EAU

NOVEMBER 2021

PROJECT ID: 1560-00-70

WITH: 1560-00-80

COUNTY: WASHBURN

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 = 506

25

N

DESIGN DESIGNATION

A.A.D.T.	2021	=	10,200
A.A.D.T.	2041	=	11,200
D.H.V.		=	1187
D.D.		=	59/41%
T.		=	14.8%
DESIGN SPEED		=	30 MPH
ESALS		=	4,3000,000

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

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1560-00-70	WISC 2022043	1
1560-00-80	———	—

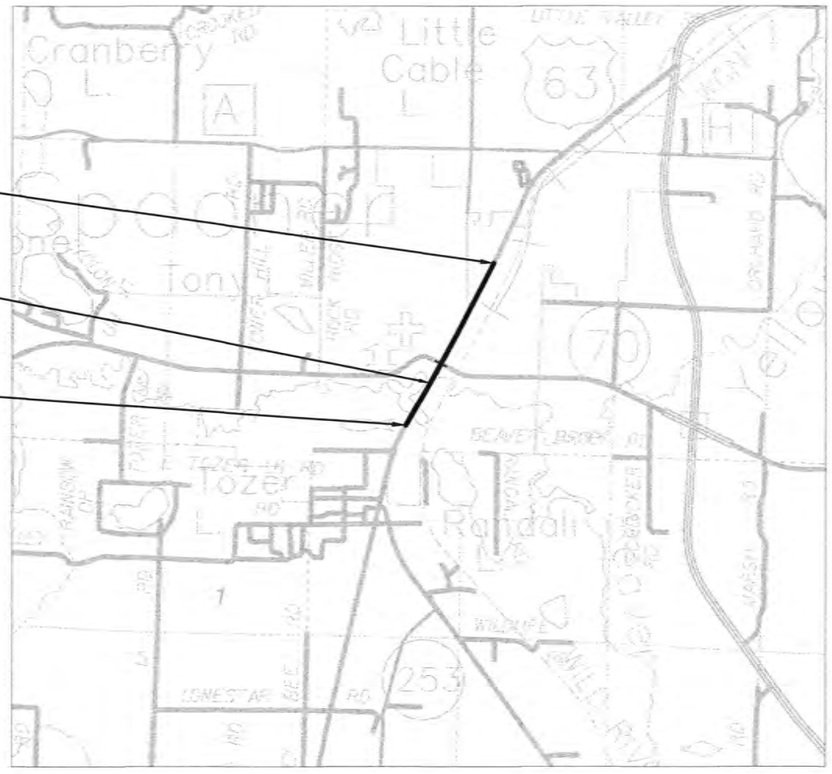
SPOONER - HAYWARD
GREENWOOD AVE TO POPLAR STREET
USH 63
WASHBURN COUNTY

STATE PROJECT NUMBER
1560-00-70

SPOONER - HAYWARD
GREENWOOD AVE TO POPLAR STREET
USH 63
WASHBURN COUNTY

STATE PROJECT NUMBER
1560-00-80

R–12–W



END PROJECT
STA 1310+68.73

EXCEPTION TO NET CENTERLINE LENGTH
STA 1254+42.13 TO STA 1255+57.15
B–64–14

BEGIN PROJECT
STA 1248+55.00
Y = 566332.146
X = 739906.746

LAYOUT
SCALE 0 — 1 MI

TOTAL NET LENGTH OF CENTERLINE = 1.155 MI

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATES, WASHBURN COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ACCEPTED FOR
CITY OF SPOONER
William Marx
Digitally signed by William Marx
DN: cn=William Marx, o, ou, email=wmarx@cityofspooner.org, c=US
Date: 2021.07.27 07:57:40 -05'00'
Date _____
(Signature and Title of Official)

ORIGINAL PLANS PREPARED BY
WISCONSIN SEH VANCE P. POWERS E-36761-6 DALLAS WIS. PROFESSIONAL ENGINEER
DATE 28 July 21
(Professional Engineer Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	SEH
Designer	SEH
Project Manager	BETH CUNNINGHAM, PE
Regional Examiner	BETH CUNNINGHAM, PE
Regional Supervisor	ANDREW STENSLAND, PE

APPROVED FOR THE DEPARTMENT
DATE 8/11/21 Andy Stensland
(Signature)

E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\010101 TI.DWG

PLOT DATE : 7/16/2021 8:04 AM

PLOT BY : ANNIE JEROME

PLOT NAME :

ORDER OF TYPICAL SECTION AND DETAIL SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
INTERSECTION DETAILS
STORM SEWER
UTILITY
CURB RAMPS
LIGHTING
SIGNAL
PAVEMENT MARKING & PERMANENT SIGNING
TRAFFIC CONTROL
ALIGNMENT

UTILITY CONTACTS

CENTURYLINK - COMMUNICATION LINE
135 N 21st STREET
SUPERIOR, WI 54880
ATTENTION: RUSSELL VANCE
TELEPHONE: (715) 919-8003 office/mobile
EMAIL: RUSSELL.VANCE@CENTURYLINK.COM

CHARTER COMMUNICATIONS - COMMUNICATION LINE
2304 S MAIN ST
RICE LAKE, WI 54868
ATTENTION: JAMEY OLDEEN
TELEPHONE: (715) 719-0561 office
(715) 651-7488 mobile
EMAIL: JAMEY.OLDEEN@CHARTER.COM

MOSAIC TELECOM - COMMUNICATION LINE
401 S 1ST ST
P.O. BOX 664
CAMERON, WI 54822
ATTENTION: DENNIS RUSSETT
TELEPHONE: (715) 458-5378 office
(715) 458-5518 mobile
EMAIL: DRUSSETT@EXPERIENCEMOSAICT.COM

SPOONER MUNICIPAL UTILITIES – WATER, SEWER AND ELEC
P.O. BOX 548
SPOONER, WI 54801-0548
ATTENTION: GARY JOHNSON
TELEPHONE: (715) 635-8769 office
(715) 520-0203 mobile
EMAIL: JOHNSONG@CITYOFSPOONER.ORG

WE ENERGIES - GAS/PETROLEUM
104 W. SOUTH STREET
RICE LAKE, WI 54868
ATTENTION: STEVEN CHAVERS
TELEPHONE: (715) 234-9605 office
(715) 213-4327 mobile
EMAIL: STEVEN.CHAVERS@WE-ENERGIES.COM

GENERAL NOTES

WHEN THE QUANTITY OF BASE AGGREGATE 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.

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.

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

THE EXACT LOCATION OF THE EROSION CONTROL DEVICES SHALL BE DETERMINED IN THE FIELD.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, ARE TO BE 4-INCH TOPSOILED, FERTILIZED, SEEDED, AND MULCHED OR EROSION MATTED AS SHOWN IN THE PLANS. FINISHED SEEDED SURFACE SHALL BE 1-INCH BELOW THE TOP OF ADJACENT CONCRETE.

ALL CURB AND GUTTER RADII, PAVEMENT DIMENSIONS AND STATIONS ARE SHOWN TO THE EDGE OF PAVEMENT UNLESS NOTED OTHERWISE.

A VERTICAL SAWCUT SHALL BE MADE THROUGH EXISTING PAVEMENTS AT REMOVAL LIMITS.

DESIGN CONTACT

SEH INC.
1701 W KNAPP ST STE B
RICE LAKE, WI 54868
TELEPHONE: 715.861.1945
ATTENTION: VANCE POWERS
EMAIL: VPOWERS@SEHINC.COM

DNR CONTACT

DNR NORTHERN REGION HQ
810 W. MAPLE STREET
SPOONER, WI 54801
TELEPHONE: 715.635.4229
ATTENTION: SHAWN HASELEU
EMAIL: SHAWN.HASELEU@WISCONSIN.GOV

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											

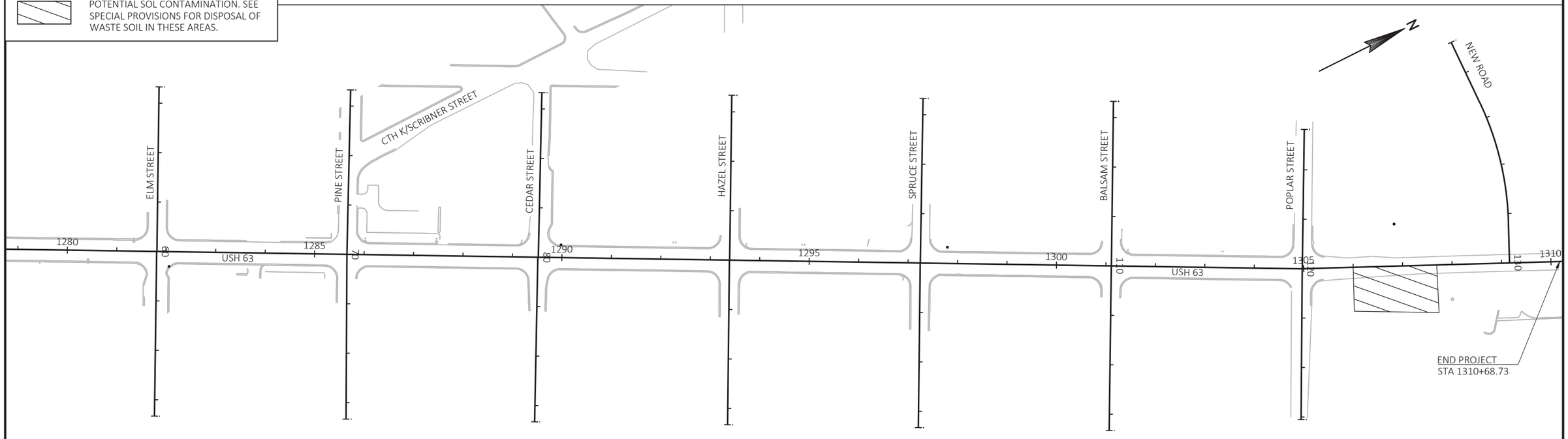
TOTAL PROJECT AREA = 11.26 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 12.86 ACRES

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

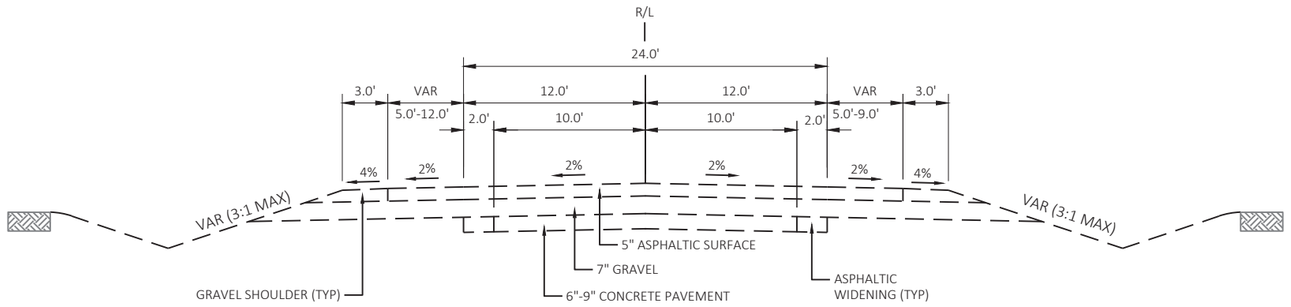
2

LEGEND

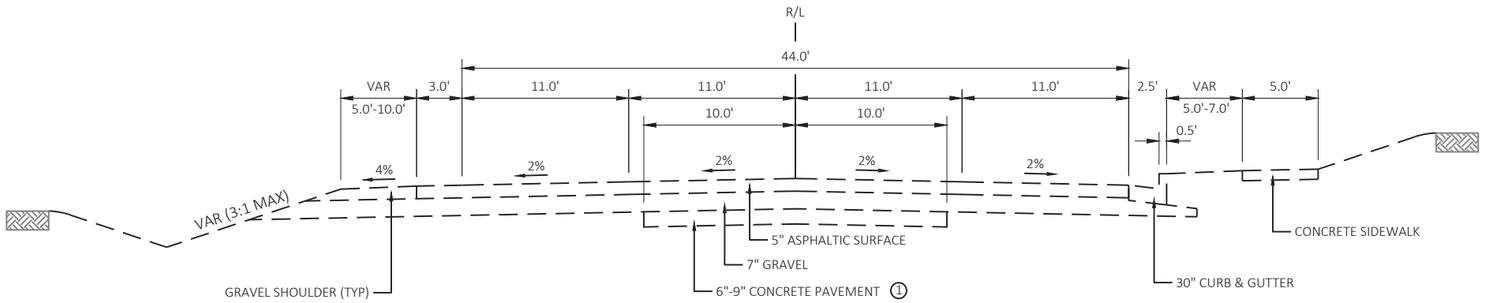
POTENTIAL SOL CONTAMINATION. SEE SPECIAL PROVISIONS FOR DISPOSAL OF WASTE SOIL IN THESE AREAS.



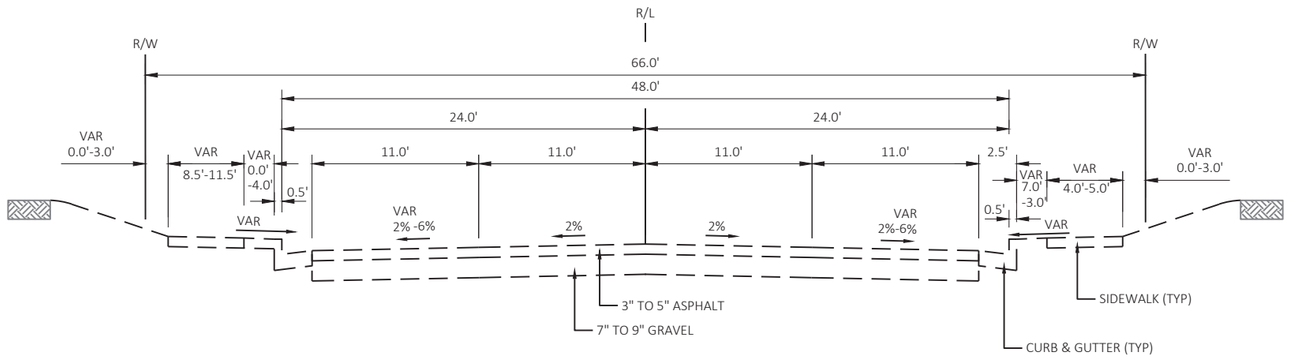
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	PROJECT OVERVIEW	SHEET 3	E



TYPICAL EXISTING SECTION
USH 63
STA 1248+55.00 TO STA 1251+50.00



TYPICAL EXISTING SECTION
USH 63
STA 1251+50.00 TO STA 1258+38.00

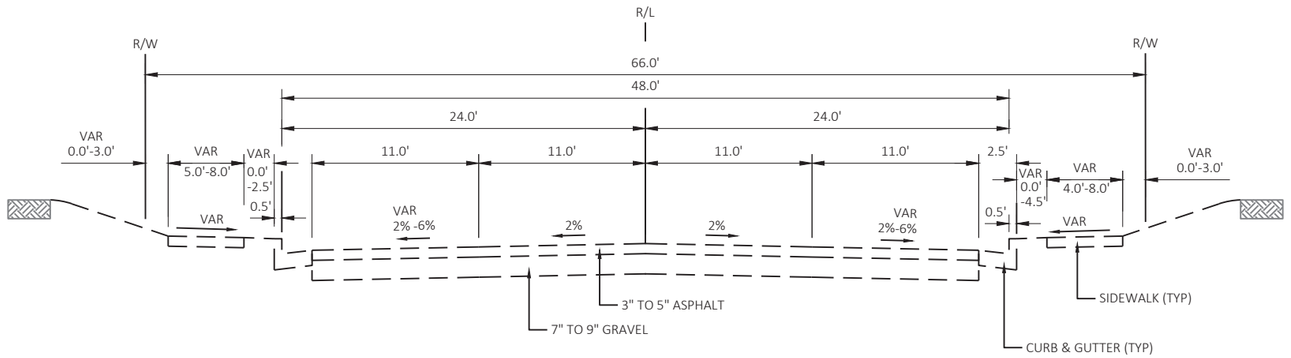


TYPICAL EXISTING SECTION
USH 63
STA 1258+38.00 TO STA 1262+00.00

NOTES:

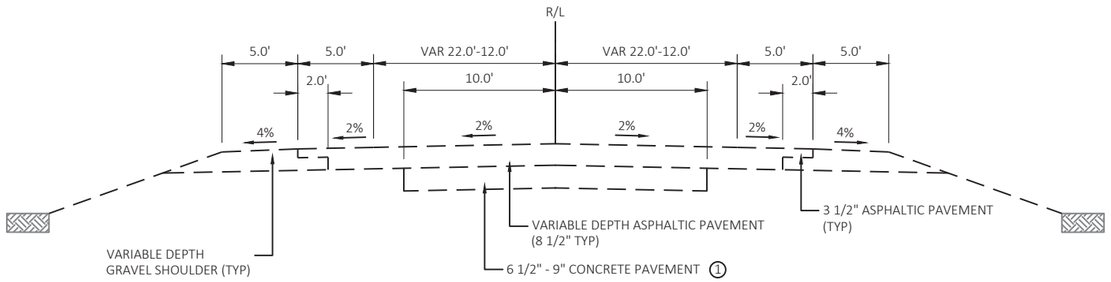
(1) END EXISTING 6"-9" CONCRETE PAVEMENT STATION 1258+00.

2



TYPICAL EXISTING SECTION

USH 63
STA 1262+00.00 TO STA 1305+40



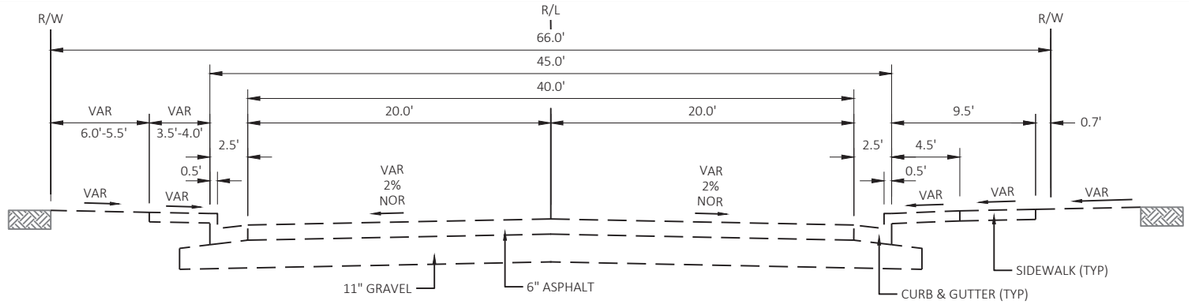
TYPICAL EXISTING SECTION

USH 63
STA 1305+40.00 TO STA 1310+68.73

NOTES:

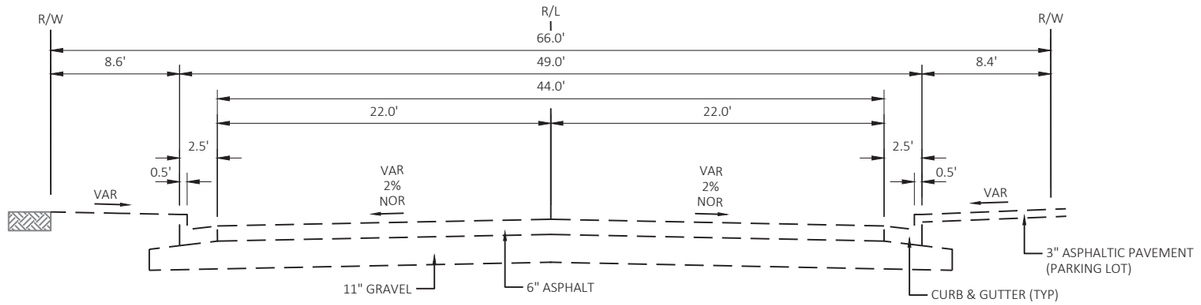
(1) BEGIN EXISTING 6"-9" CONCRETE PAVEMENT STATION 1305+75.

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	TYPICAL SECTIONS	SHEET 5	E



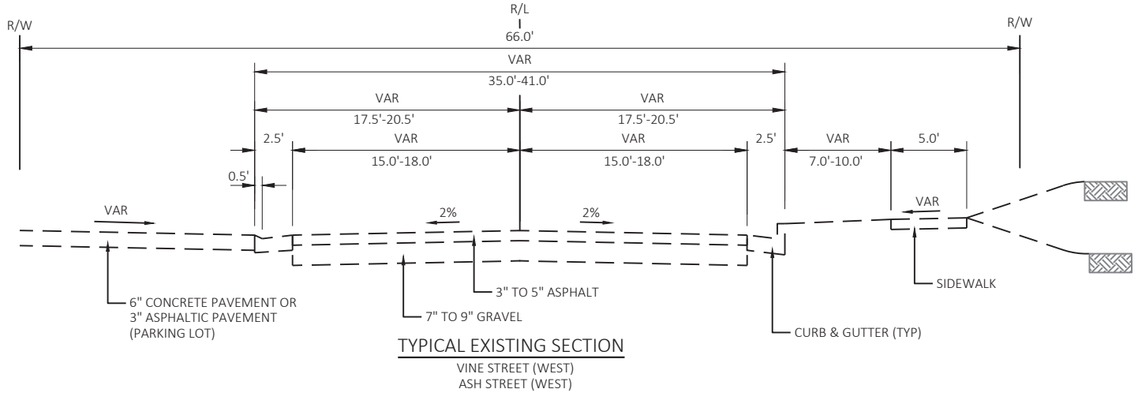
TYPICAL EXISTING SECTION

STH 70 (WEST)



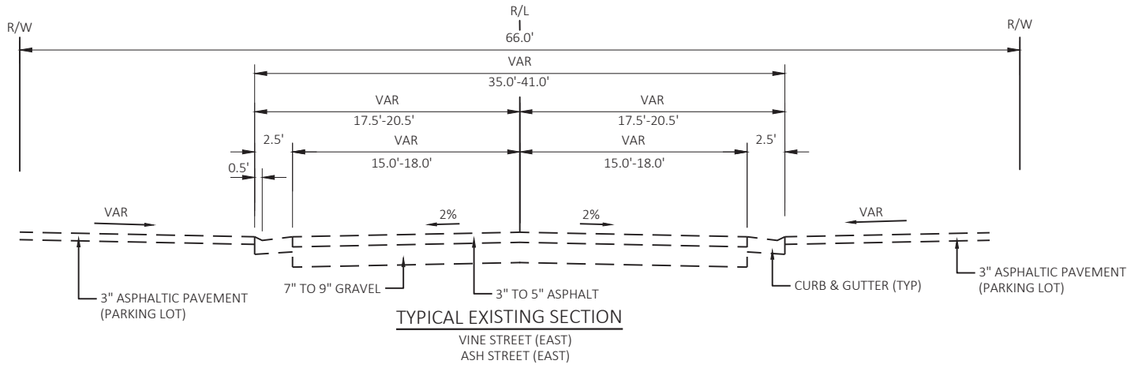
TYPICAL EXISTING SECTION

STH 70 (EAST)



TYPICAL EXISTING SECTION

VINE STREET (WEST)
ASH STREET (WEST)

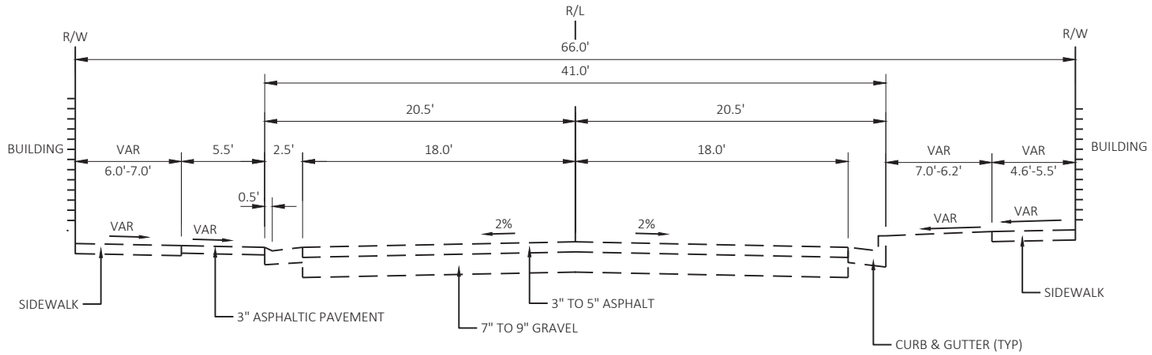


TYPICAL EXISTING SECTION

VINE STREET (EAST)
ASH STREET (EAST)

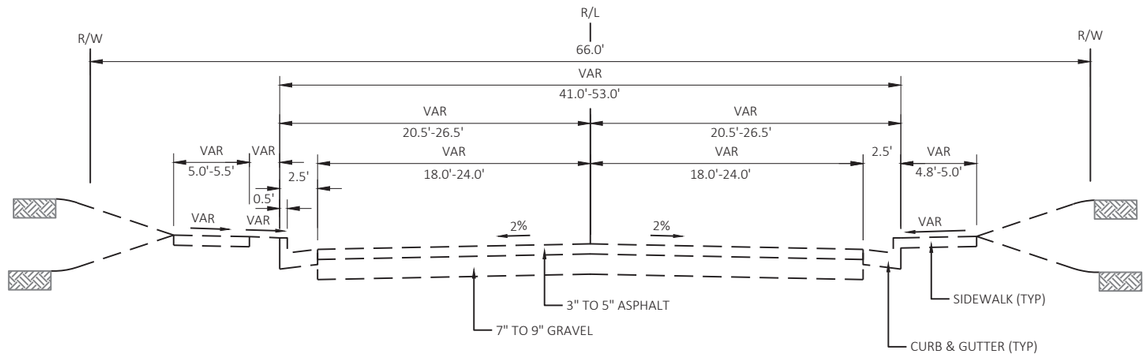
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	TYPICAL SECTIONS	SHEET 6	E

2



TYPICAL EXISTING SECTION

OAK STREET (WEST)

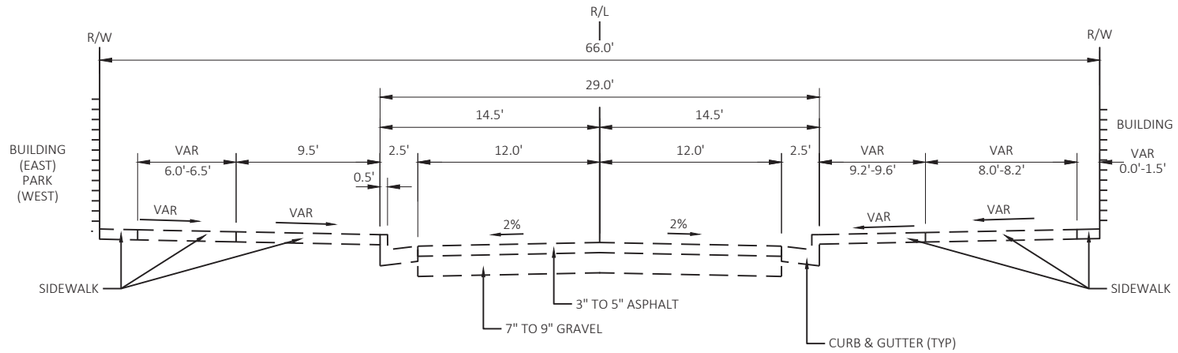


TYPICAL EXISTING SECTION

OAK STREET (EAST)

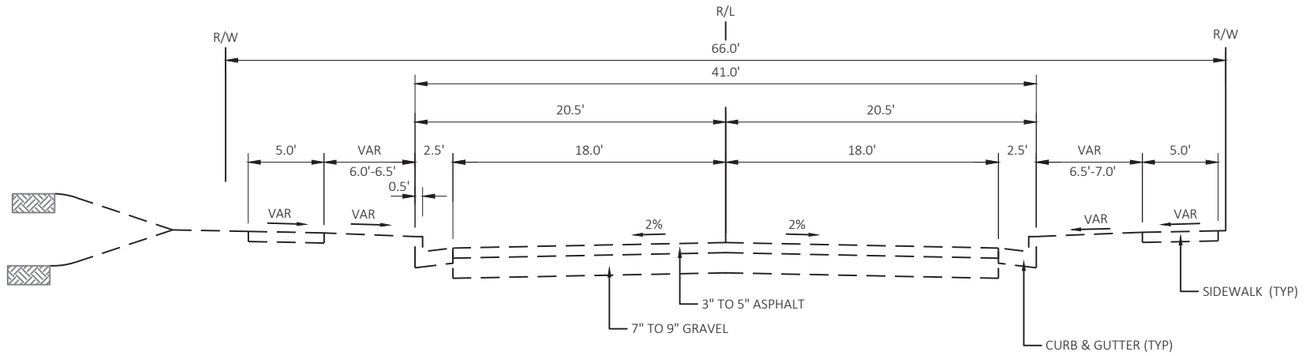
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	TYPICAL SECTIONS	SHEET 7	E

2



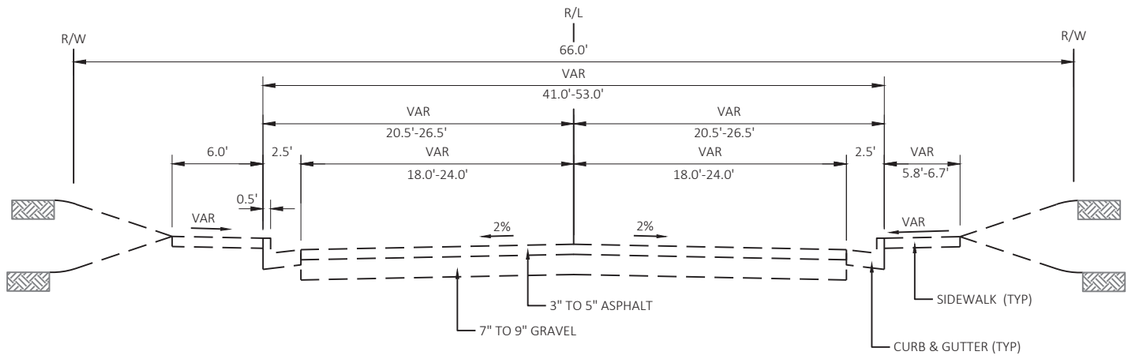
TYPICAL EXISTING SECTION

WALNUT STREET (WEST & EAST)



TYPICAL EXISTING SECTION

ELM STREET (WEST)

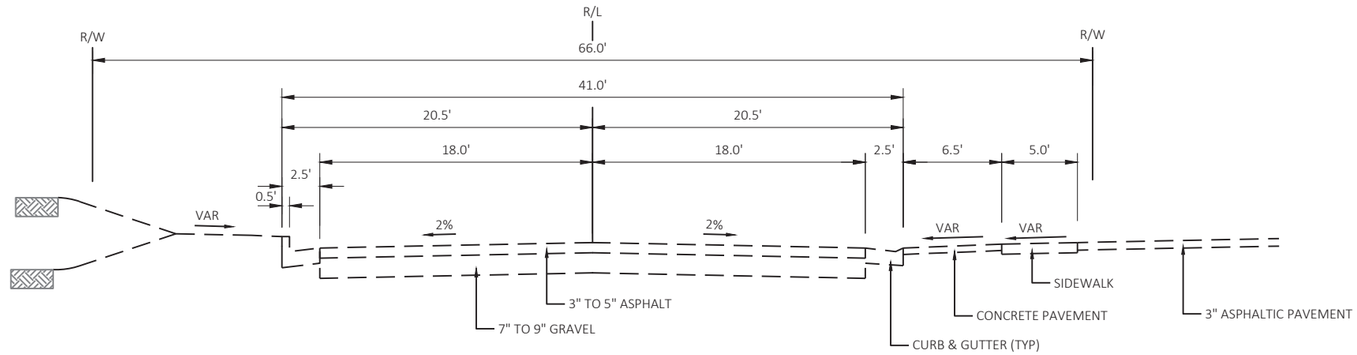


TYPICAL EXISTING SECTION

ELM STREET (EAST)

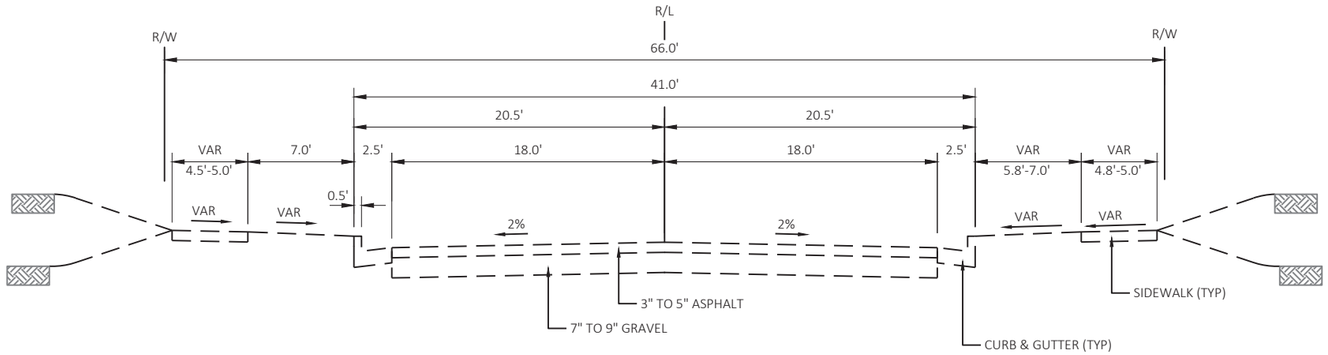
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	TYPICAL SECTIONS	SHEET	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\020301 TS.DWG
LAYOUT NAME - 05
PLOT DATE : 7/28/2021 7:50 AM
PLOT BY : ANNIE JEROME
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



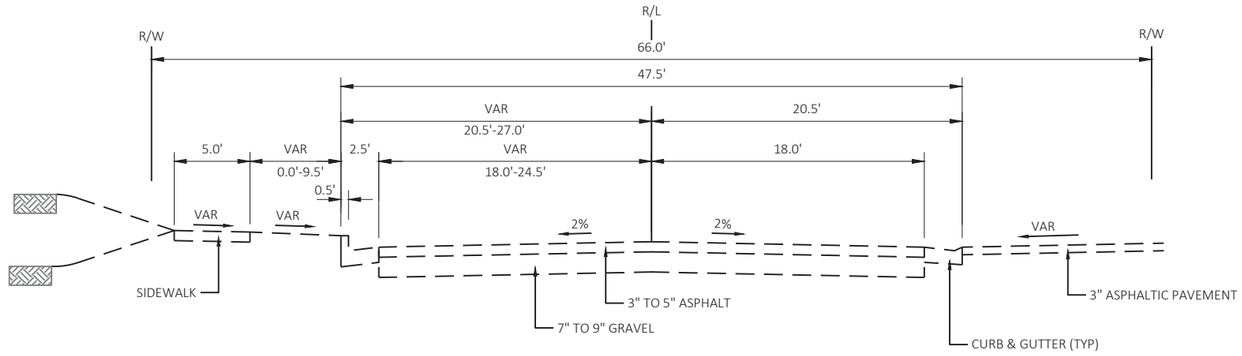
TYPICAL EXISTING SECTION

PINE STREET (WEST)



TYPICAL EXISTING SECTION

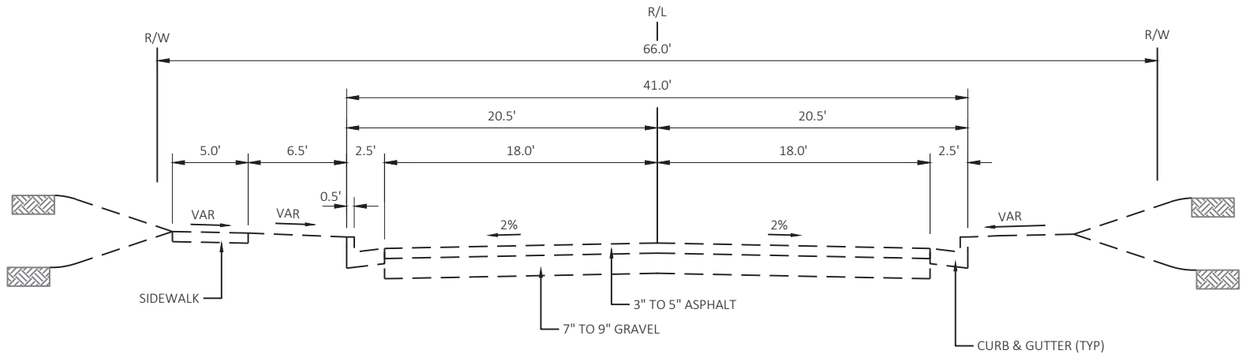
PINE STREET (EAST)
HAZEL STREET (EAST)



TYPICAL EXISTING SECTION

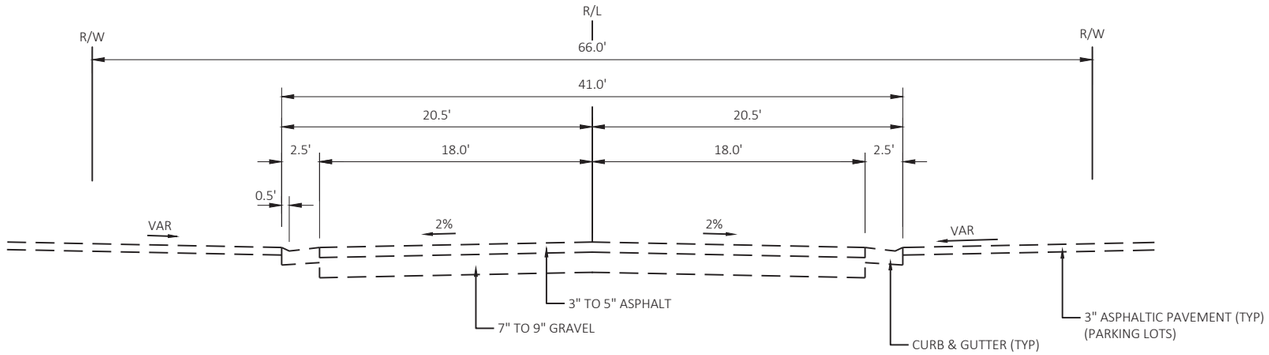
CEDAR STREET (WEST & EAST)

2



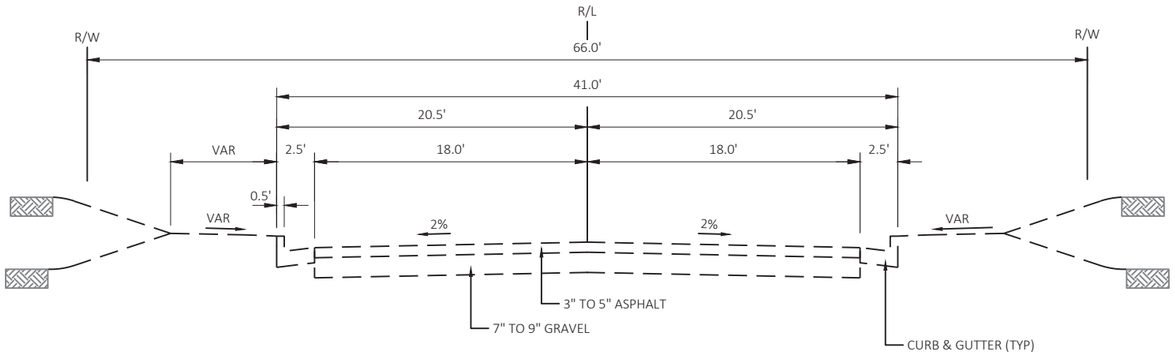
TYPICAL EXISTING SECTION

HAZEL STREET (WEST)



TYPICAL EXISTING SECTION

SPRUCE STREET (WEST

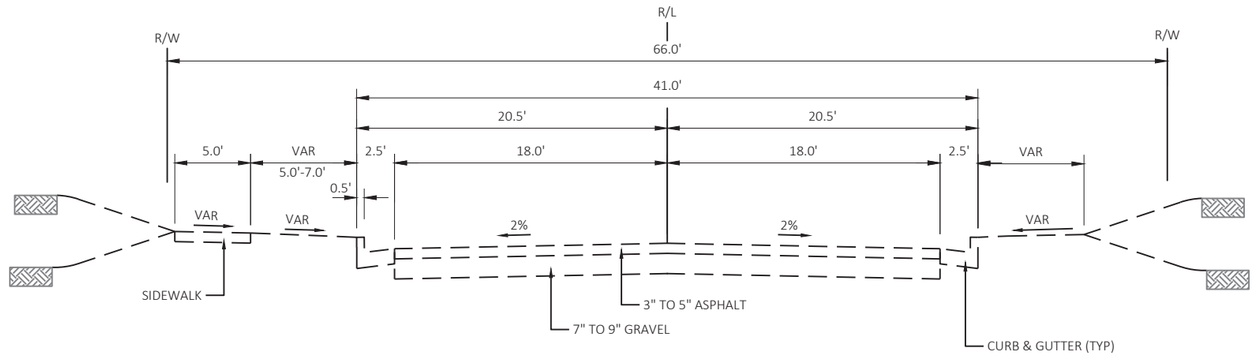


TYPICAL EXISTING SECTION

SPRUCE STREET (EAST)
LINN STREET (WEST)

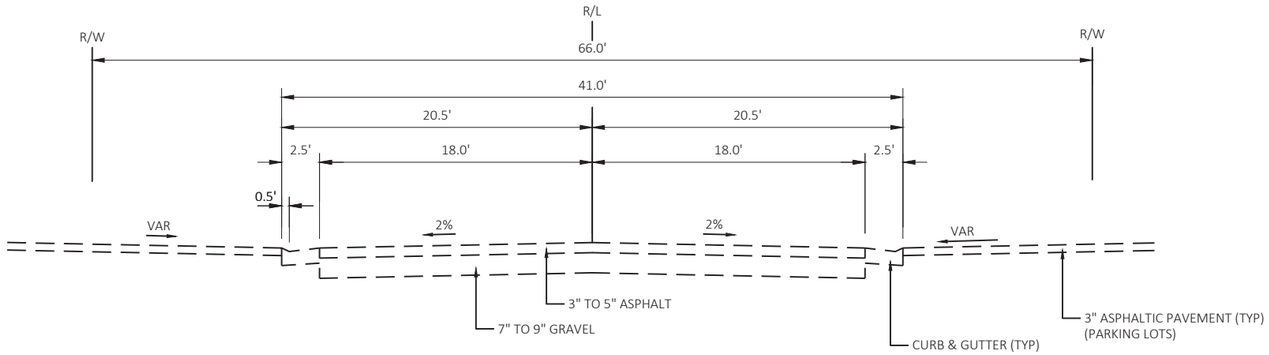
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	TYPICAL SECTIONS	SHEET 10	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\020301 TS.DWG
LAYOUT NAME - 07
PLOT DATE : 7/28/2021 7:50 AM
PLOT BY : ANNIE JEROME
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



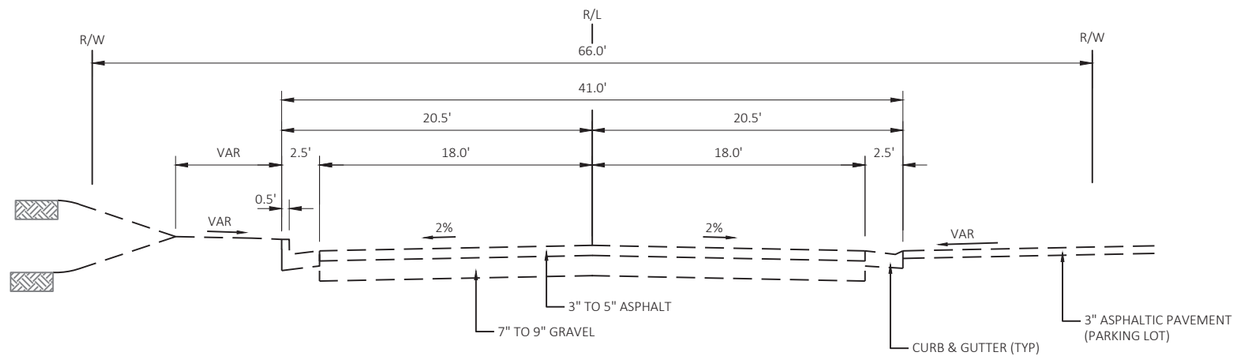
TYPICAL EXISTING SECTION

BALSAM STREET (WEST)
POPLAR STREET (WEST)



TYPICAL EXISTING SECTION

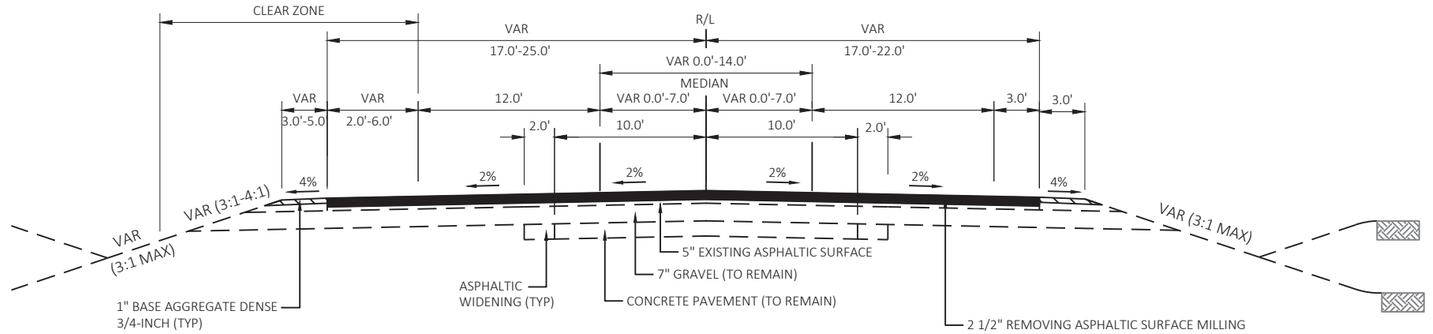
BALSAM STREET (EAST)



TYPICAL EXISTING SECTION

POPLAR STREET (EAST)

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	TYPICAL SECTIONS	SHEET 11	E

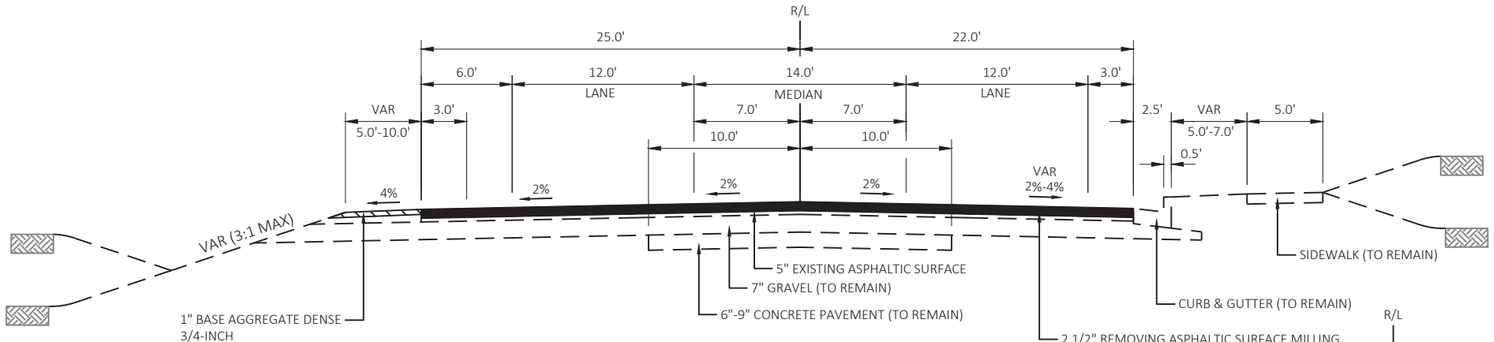


TYPICAL FINISHED SECTION

USH 63
STA 1248+55.00 TO STA 1250+93.30

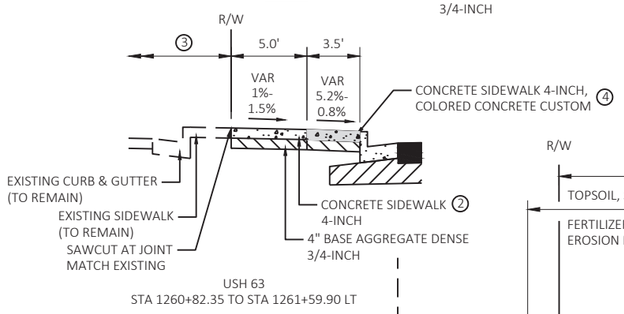
NOTES:

1. SEE EROSION CONTROL PLAN.
2. SEE PLAN & PROFILE SHEETS FOR SIDEWALK LOCATIONS.
3. SEE PLAN & PROFILE SHEETS FOR RAISED ISLAND LOCATIONS.
4. SEE INTERSECTION DETAILS AND CURB RAMP DETAILS FOR COLORED CONCRETE CUSTOM.

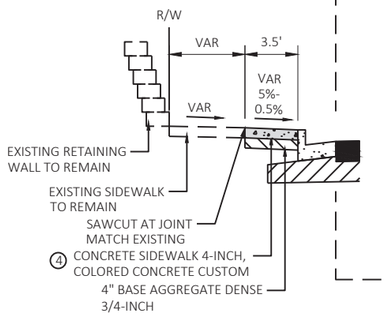


TYPICAL FINISHED SECTION

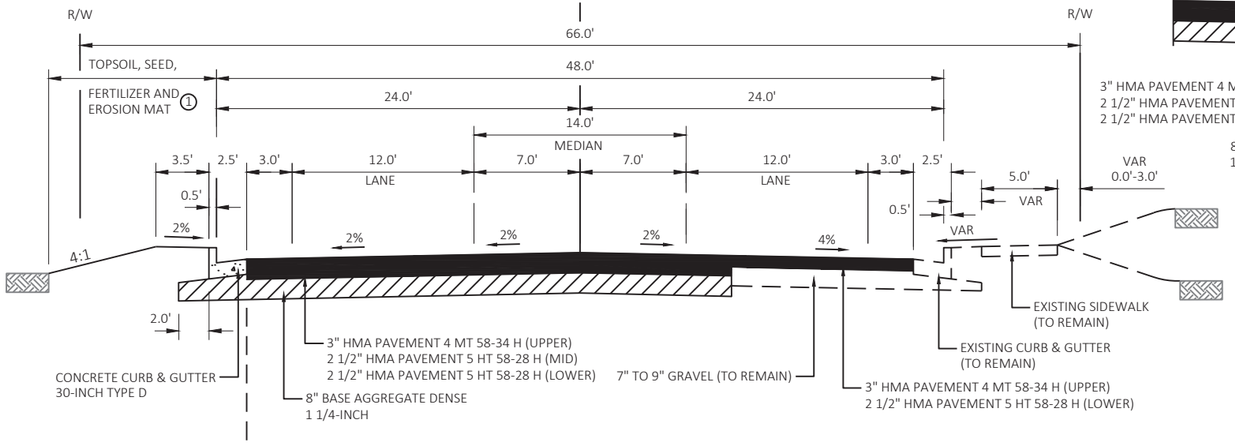
USH 63
STA 1250+93.20 TO STA 1254+42.13
STA 1255+57.15 TO STA 1258+38.20



USH 63
STA 1260+82.35 TO STA 1261+59.90 LT

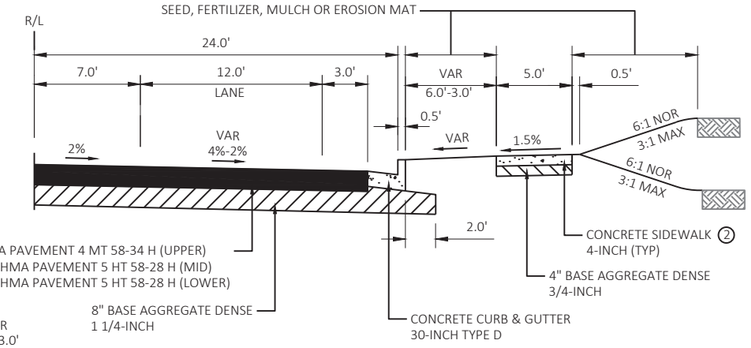


USH 63
STA 1259+72.16 TO STA 1260+82.35 LT



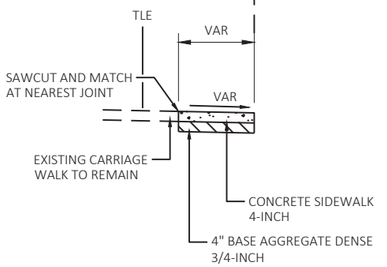
TYPICAL FINISHED SECTION

USH 63
STA 1258+38.20 TO STA 1261+59.90 LT
STA 1258+38.20 TO STA 1259+20.00 RT

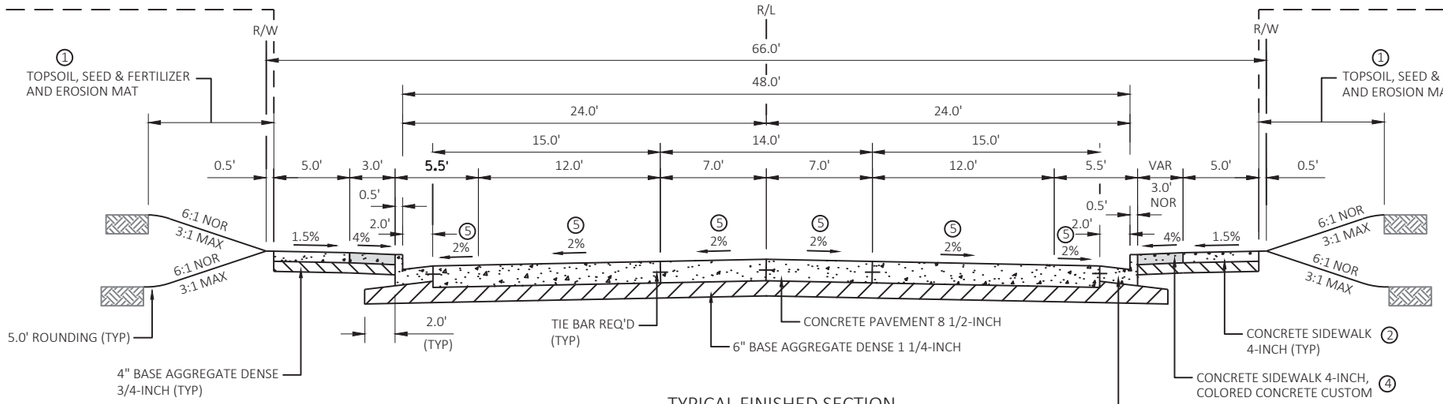


USH 63
STA 1259+20.00 TO STA 1259+90.90 LT

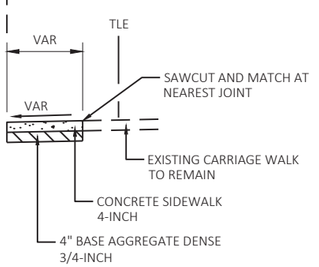
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	TYPICAL SECTIONS	SHEET 12	E



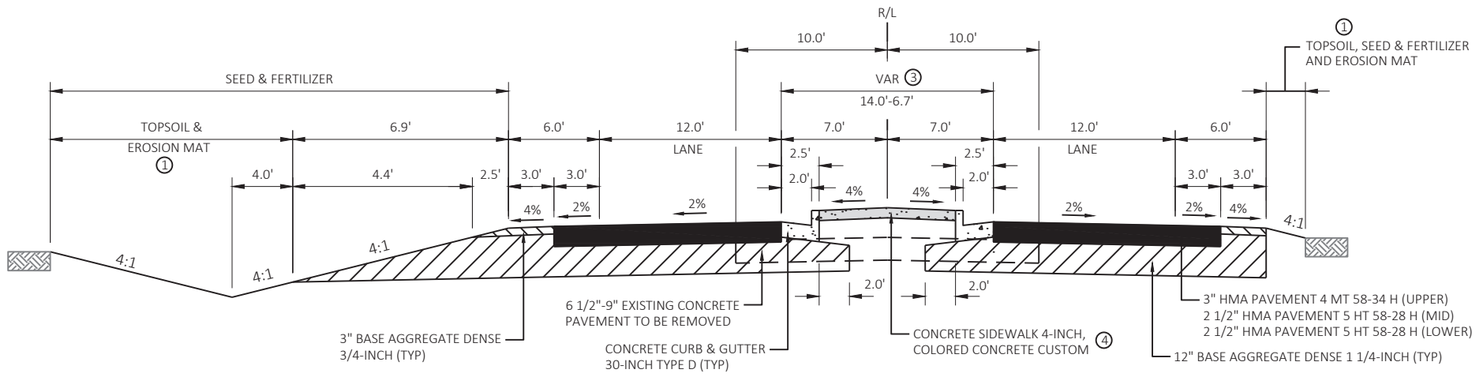
TYPICAL CARRIAGE WALK ⑥
USH 63



TYPICAL FINISHED SECTION
USH 63
STA 1259+90.90 - STA 1305+40.23



TYPICAL CARRIAGE WALK ⑥
USH 63



TYPICAL FINISHED SECTION
USH 63
STA 1305+40.23 - STA 1306+18.85

NOTES:

① SEE EROSION CONTROL PLAN.

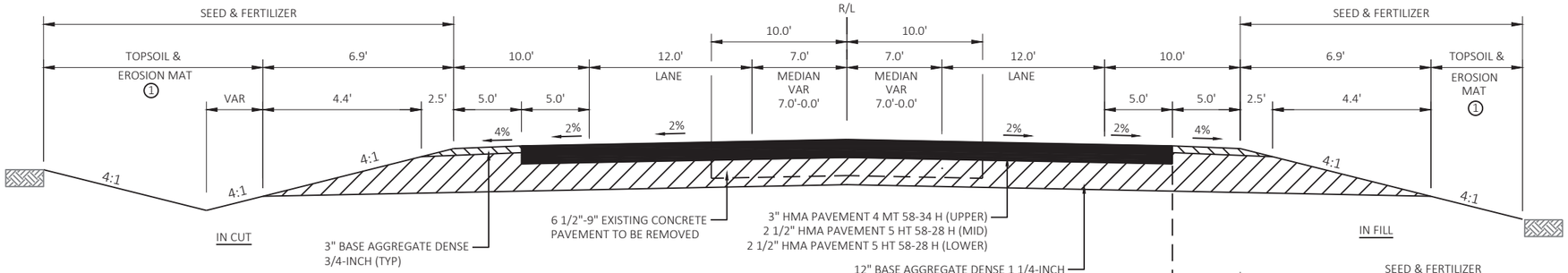
② SEE PLAN & PROFILE SHEETS FOR SIDEWALK LOCATIONS.

③ SEE PLAN & PROFILE SHEETS FOR RAISED ISLAND LOCATIONS.

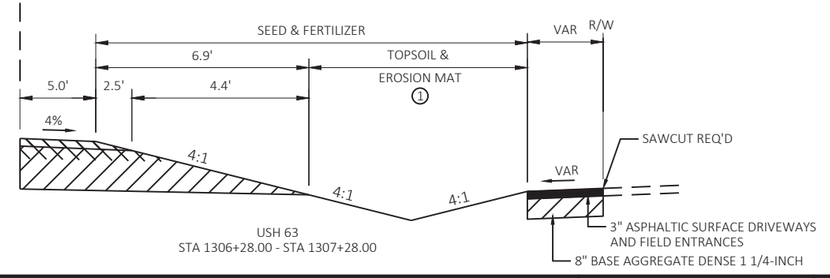
④ SEE INTERSECTION DETAILS AND CURB RAMP DETAILS FOR COLORED CONCRETE CUSTOM.

⑤ SLOPES VARIES 1.25%-2.00%. REFER TO CROSS SECTIONS AND INTERSECTION DETAILS FOR PAVEMENT SLOPES THRU USH 63/STH 70 INTERSECTION.

⑥ SEE PLAN & PROFILE SHEETS FOR CARRIAGE WALK LOCATIONS.

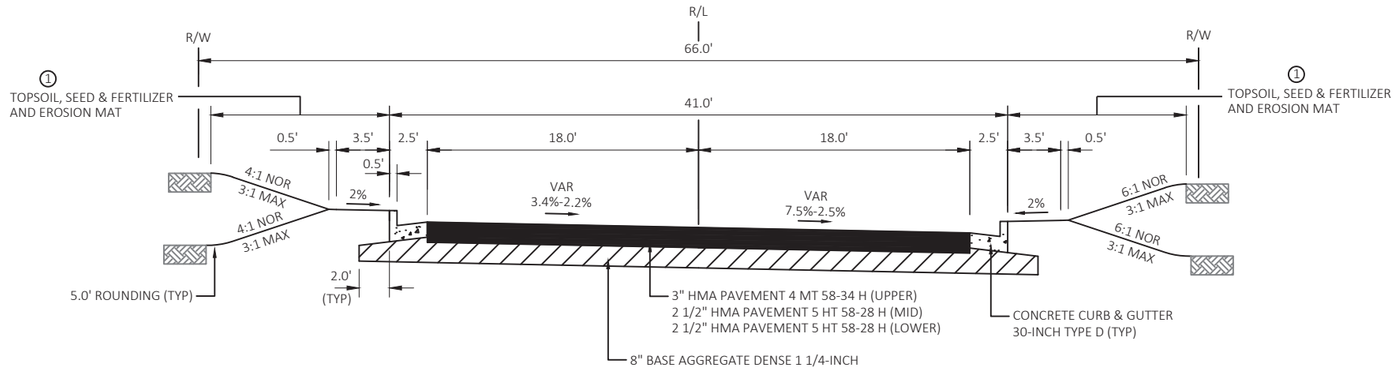


TYPICAL FINISHED SECTION
USH 63
STA 1306+18.85 - STA 1310+68.73



USH 63
STA 1306+28.00 - STA 1307+28.00

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	TYPICAL SECTIONS	SHEET 13	E



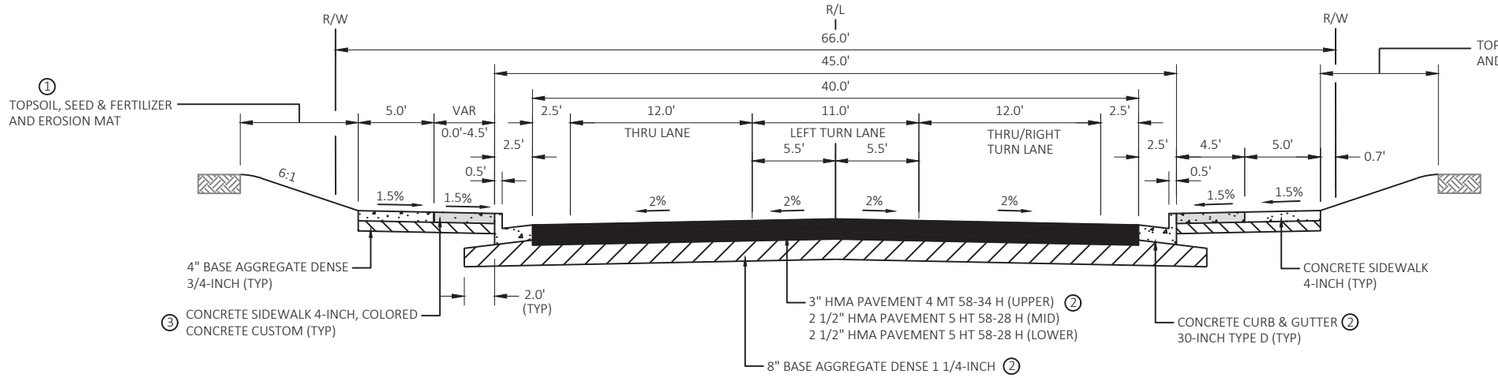
TYPICAL FINISHED SECTION
LINN STREET

NOTES:

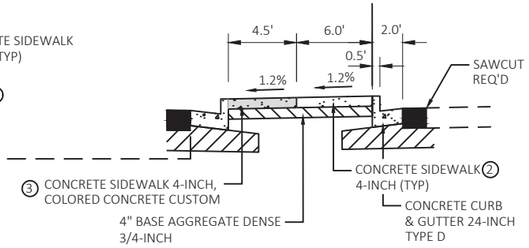
① SEE EROSION CONTROL PLAN.

② FOR CONCRETE PAVEMENT 8 1/2-INCH, 6" BASE AGGREGATE DENSE 1 1/4-INCH AND CONCRETE CURB & GUTTER 30-INCH TYPE A SEE PLAN AND PROFILE OR INTERSECTION DETAILS FOR LOCATIONS AND WIDTHS.

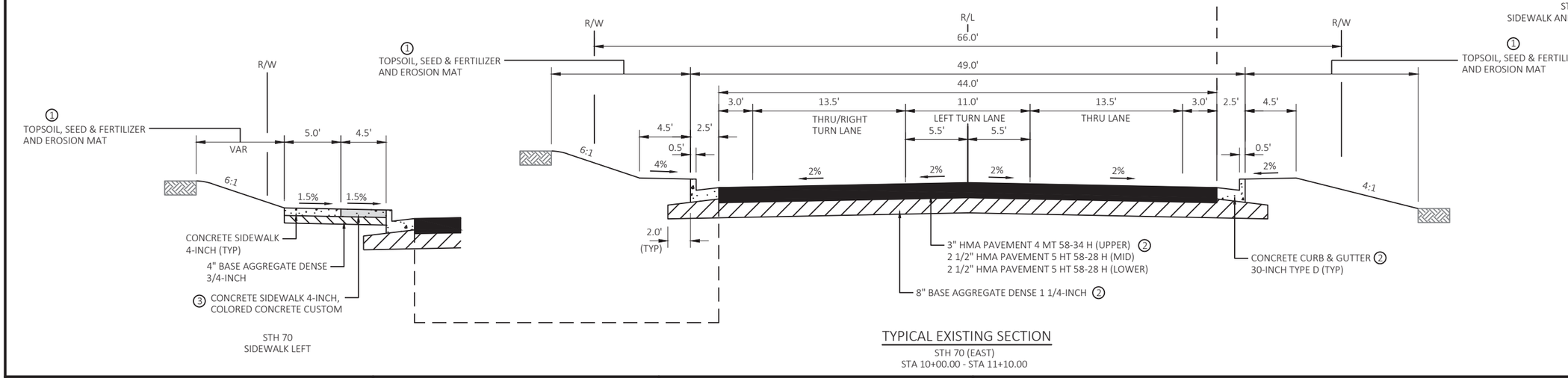
③ SEE INTERSECTION DETAILS AND CURB RAMP DETAILS FOR COLORED CONCRETE CUSTOM.



TYPICAL EXISTING SECTION
STH 70 (WEST)
STA 8+53.00 - STA 10+00.00



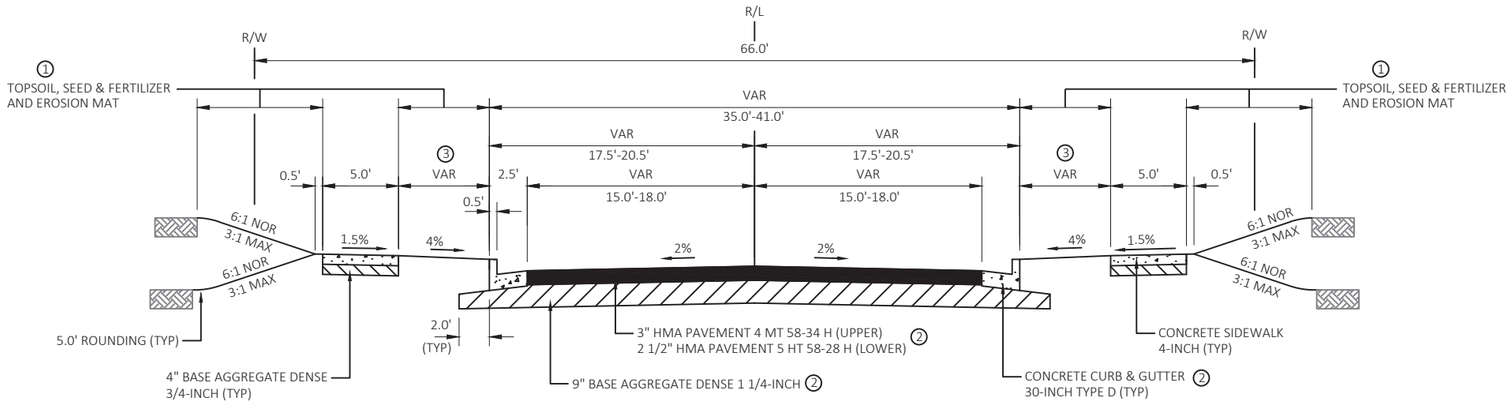
STH 70
SIDEWALK AND PARKING RIGHT



STH 70
SIDEWALK LEFT

TYPICAL EXISTING SECTION
STH 70 (EAST)
STA 10+00.00 - STA 11+10.00

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	TYPICAL SECTIONS	SHEET 14	E



TYPICAL FINISHED SECTION

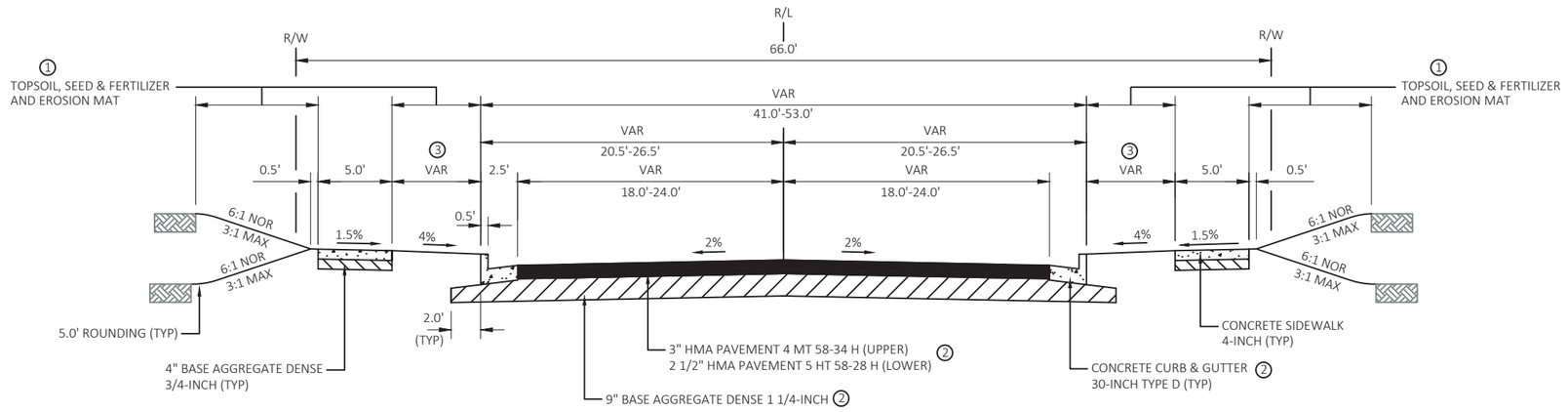
VINE STREET
ASH STREET

NOTES:

① SEE EROSION CONTROL PLAN.

② FOR CONCRETE PAVEMENT 8 1/2-INCH, 6" BASE AGGREGATE DENSE 1 1/4-INCH AND CONCRETE CURB & GUTTER 30-INCH TYPE A SEE PLAN AND PROFILE OR INTERSECTION DETAILS FOR LOCATIONS AND WIDTHS.

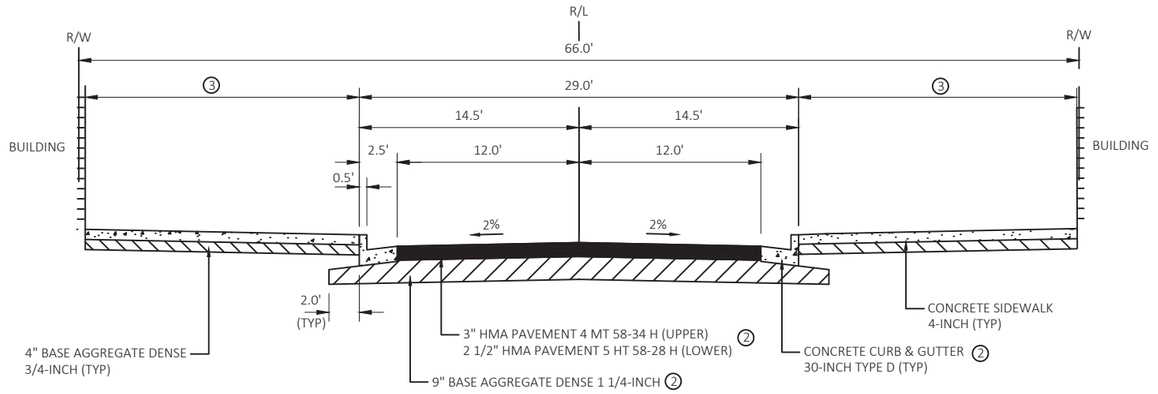
③ SEE CURB RAMP DETAILS FOR WIDTHS, JOINTS AND GRADES.



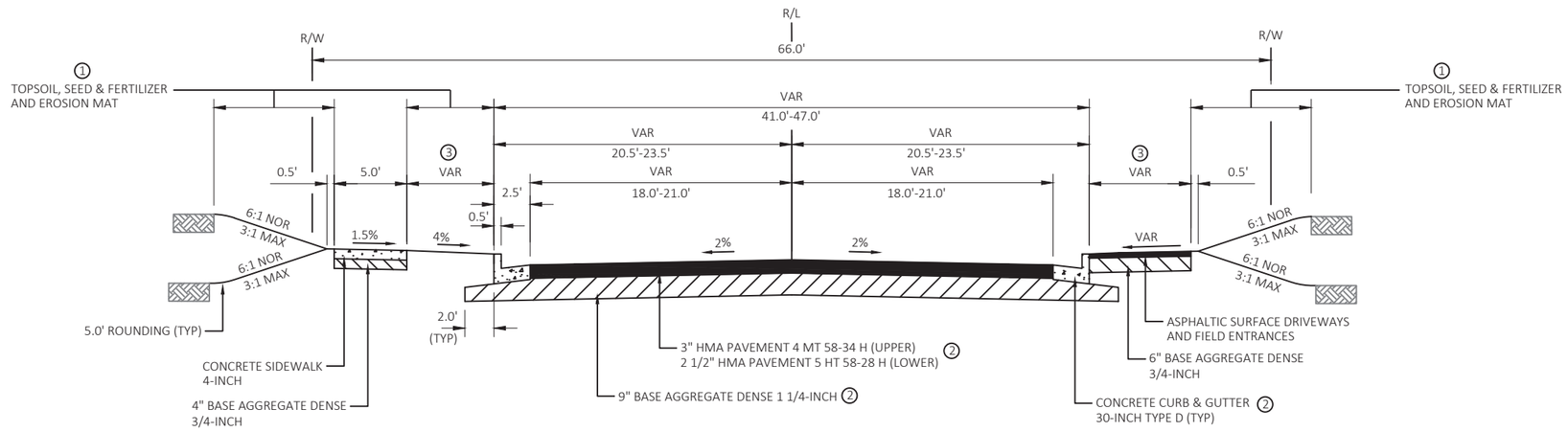
TYPICAL FINISHED SECTION

OAK STREET
ELM STREET
PINE STREET
HAZEL STREET

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	TYPICAL SECTIONS	SHEET 15	E



TYPICAL FINISHED SECTION
WALNUT STREET

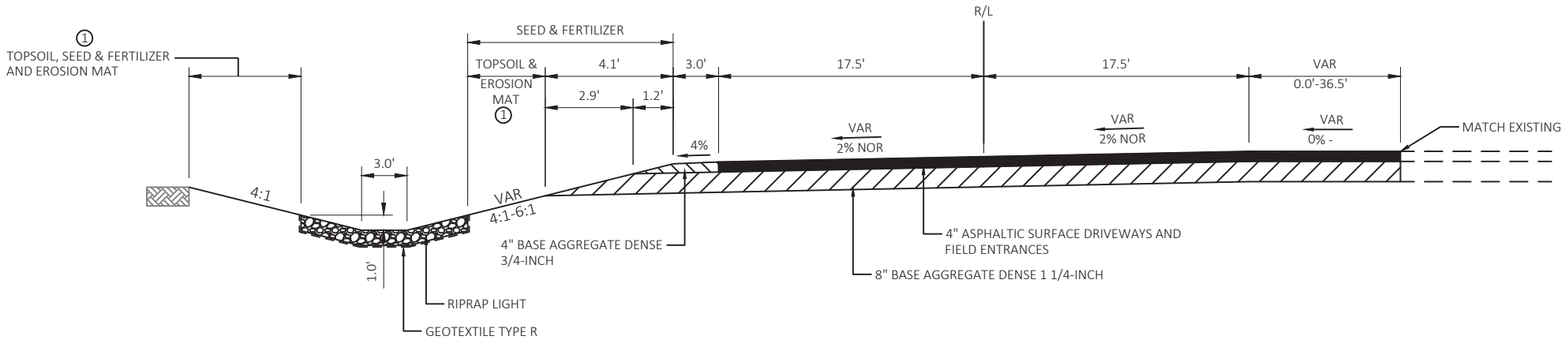


TYPICAL FINISHED SECTION
CEDAR STREET
SPRUCE STREET
BALSAM STREET
POPLAR STREET

NOTES:

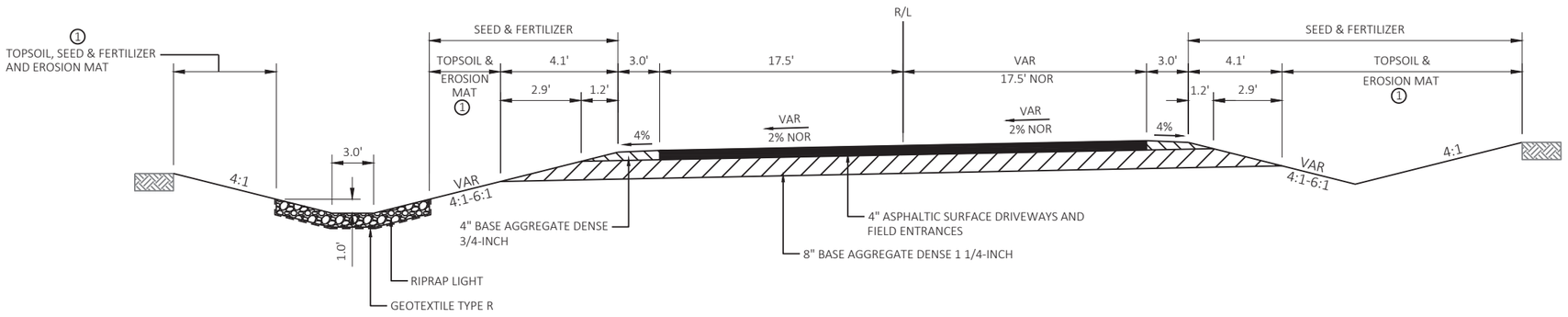
1. SEE EROSION CONTROL PLAN.
2. FOR CONCRETE PAVEMENT 8 1/2-INCH, 6" BASE AGGREGATE DENSE 1 1/4-INCH AND CONCRETE CURB & GUTTER 30-INCH TYPE A SEE PLAN AND PROFILE OR INTERSECTION DETAILS FOR LOCATIONS AND WIDTHS.
3. SEE CURB RAMP DETAILS FOR WIDTHS, JOINTS AND GRADES.

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	TYPICAL SECTIONS	SHEET 16	E



TYPICAL FINISHED SECTION

NEW ROAD
STA 128+15.24 - 129+13.02



TYPICAL FINISHED SECTION

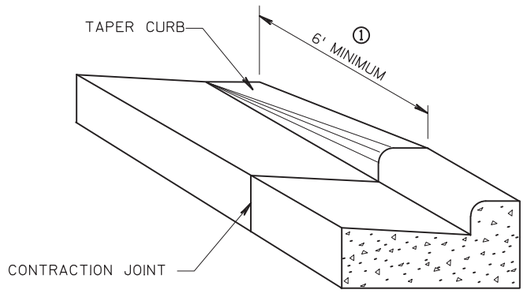
NEW ROAD
STA 129+13.02 - STA 129+78.00

NOTES:

1. SEE EROSION CONTROL PLAN.

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	TYPICAL SECTIONS	SHEET 17	E

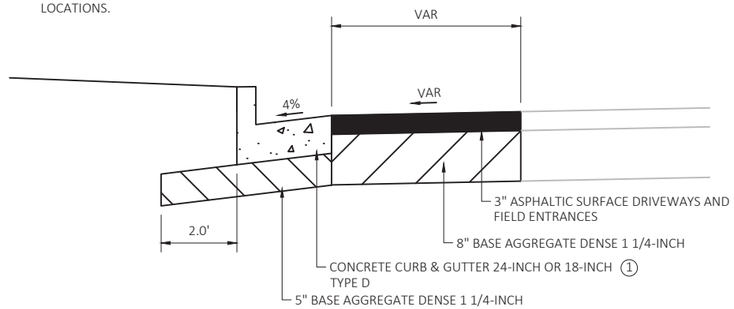
① PROVIDE TAPERED CURB HEAD AT APPROACH ENDS. INCIDENTAL TO CONCRETE CURB & GUTTER ITEMS TO WITH IT APPLIES.



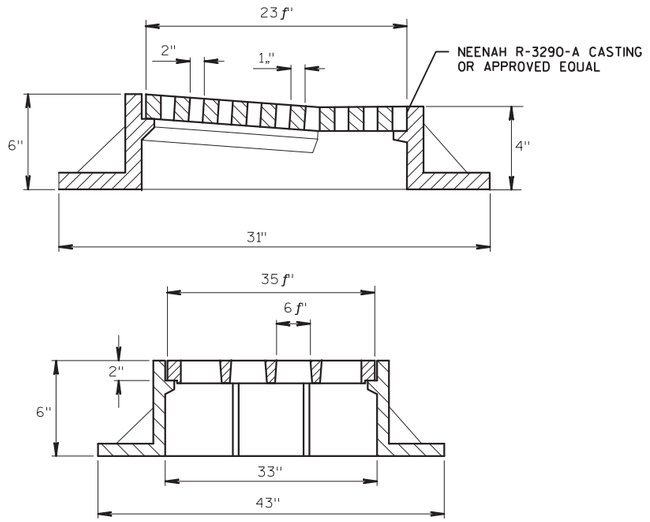
DETAIL OF CURB & GUTTER TERMINI

NOTE:

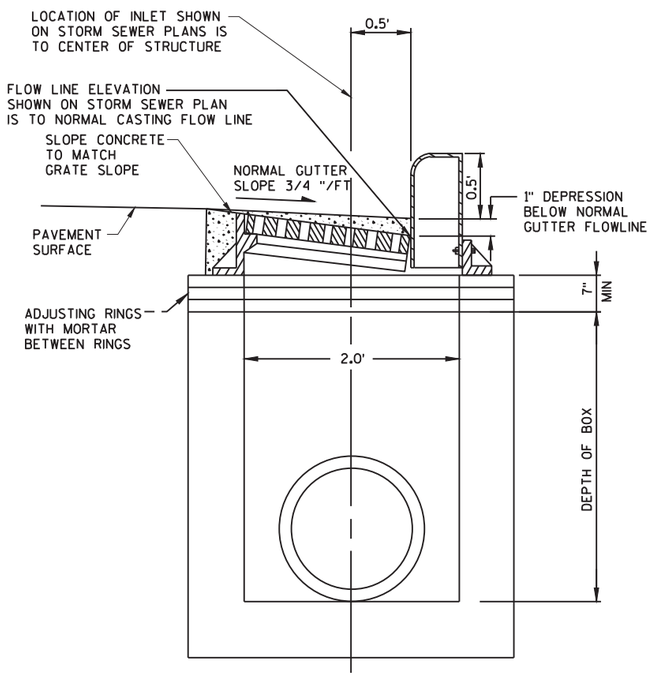
① REFER TO INTERSECTION DETAILS FOR CURB & GUTTER TYPES AND LOCATIONS.



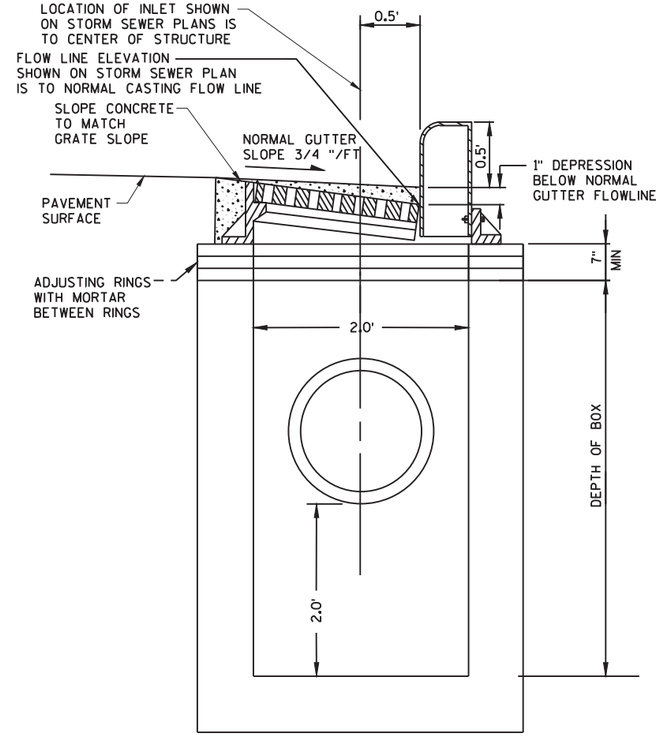
DETAIL FOR CURB & GUTTER AT DRIVEWAYS AND PARKING LOTS



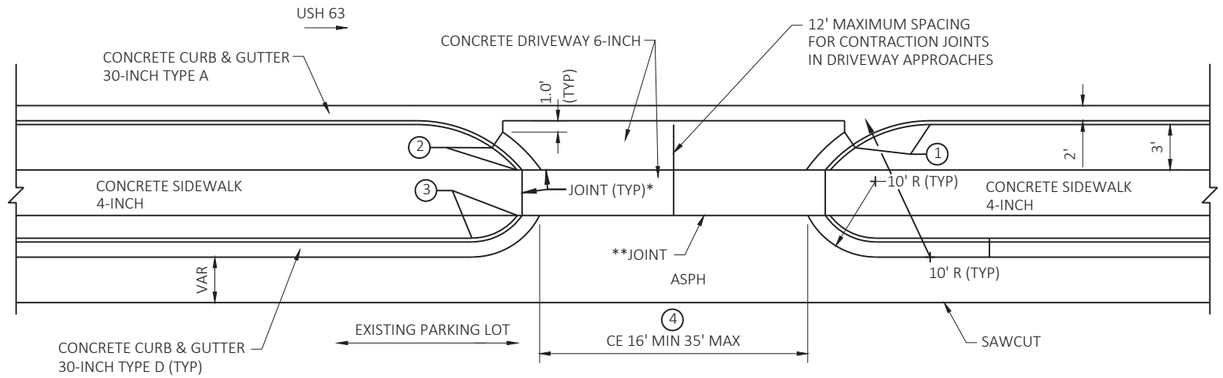
INLET COVERS TYPE H-D DETAIL



INLET



CATCH BASIN



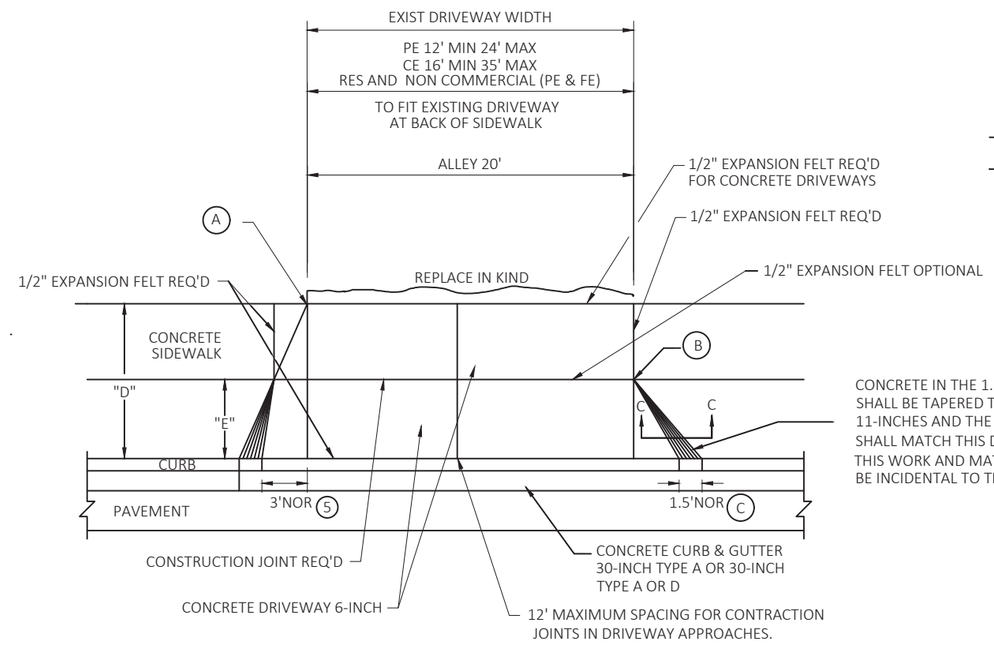
NOTES:

1. TAPER CURB HEAD FROM 6" TO 2" IN 6'-8' (TYP)
2. TAPER CURB HEAD FROM 2" TO 0" TO MATCH SIDEWALK FACE (TYP)
3. TAPER CURB HEAD FROM 6" TO 0" TO MATCH SIDEWALK BACK
4. SEE PLAN AND PROFILE SHEETS FOR DRIVEWAY WIDTHS
5. AT ALLEY LOCATIONS INCREASE THIS WIDTH FROM 3' TO 4'

* 1/2" EXPANSION FELT REQ'D

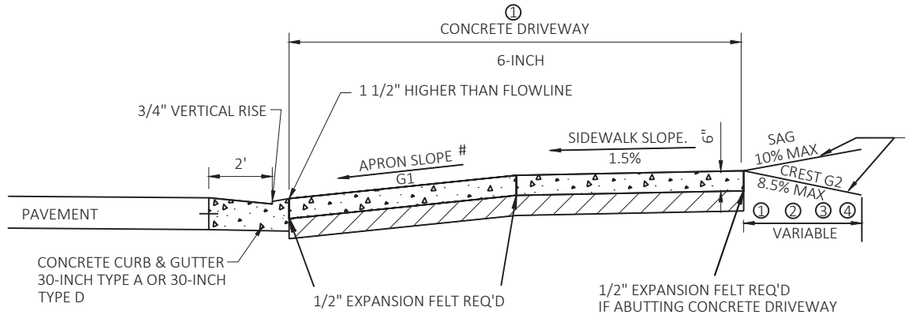
** 1/2" EXPANSION FELT REQ'D FOR CONCRETE DRIVEWAYS

COMMERCIAL ENTRANCE TYPE 1



CONCRETE IN THE 1.5' TAPER AREA SHALL BE TAPERED TO A DEPTH OF 11-INCHES AND THE EXPANSION FELT SHALL MATCH THIS DEPTH. THIS WORK AND MATERIAL WILL BE INCIDENTAL TO THE BID ITEM.

PLAN VIEW



1. CONCRETE DRIVEWAY 6-INCH WITH 6" BASE AGGREGATE DENSE 1 1/4-INCH
2. 6" BASE AGGREGATE DENSE 1 1/4-INCH
3. 3" ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES WITH 6" BASE AGGREGATE DENSE 1 1/4-INCH
4. PARKING LOTS:
   8" BASE AGGREGATE DENSE 1 1/4-INCH WITH 3" ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES

TYPICAL SIDEWALK SECTION

\#

TERRACE WIDTH	APRON SLOPE (G1)		
	MIN %	DESIRABLE %	MAX %
3 FT	5.0	6.0	8.0
4 FT	5.0	6.0	8.0
5 FT	4.0	6.0	8.0
6 FT	4.0	6.0	8.0
7 FT	3.5	6.0	8.0
8 FT	3.0	6.0	8.0

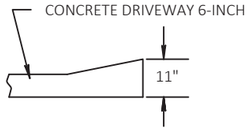
NOTE:

DEPRESS SIDEWALK PROFILE IF DRIVEWAY APRON EXCEEDS MAX SLOPE

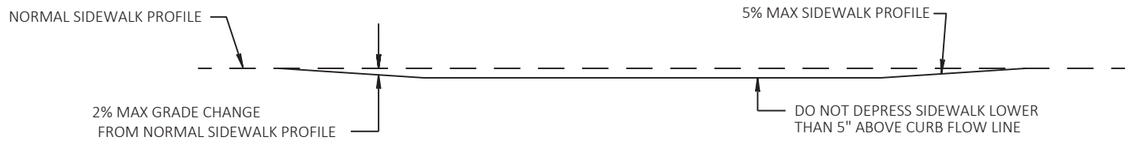
A WHEN "D" IS 13' OR LESS, ALIGN TAPER WITH BACK OF SIDEWALK

B WHEN "D" IS GREATER THAN 13', ALIGN TAPER WITH FRONT OF SIDEWALK

C WHEN "E" =0 MAKE CURB TAPER 5'



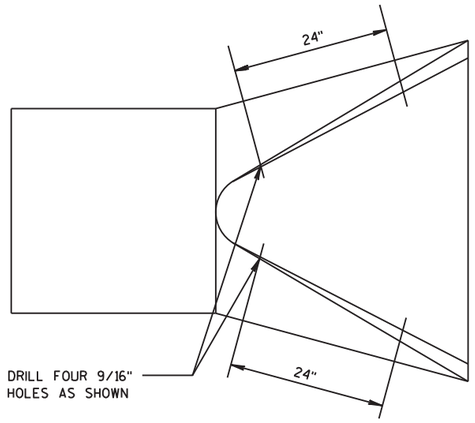
SECTION C-C

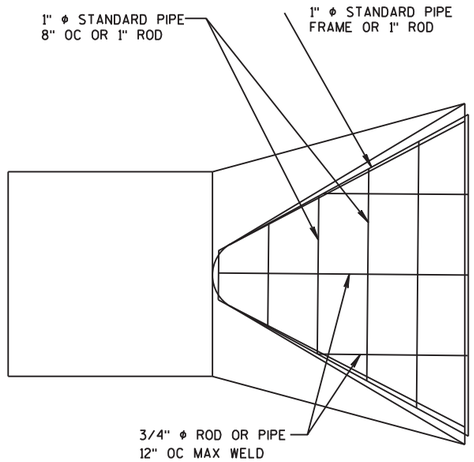


DEPRESSED SIDEWALK PROFILE

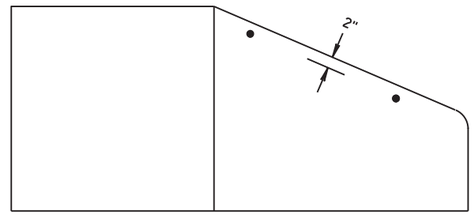
PRIVATE AND COMMERCIAL ENTRANCE TYPE 2

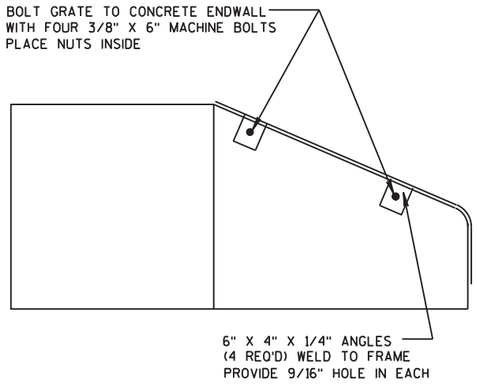
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CONSTRUCTION DETAILS	SHEET 19	E

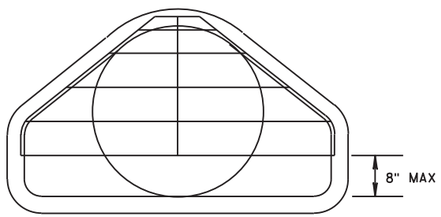




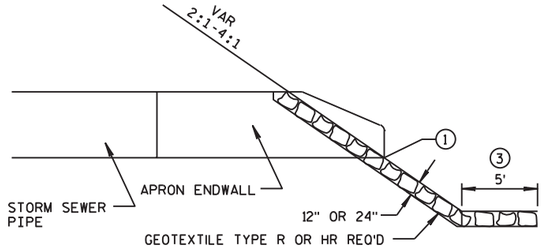
AT EACH PIPE



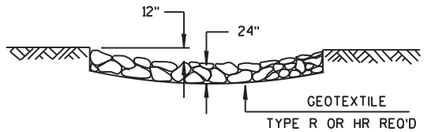




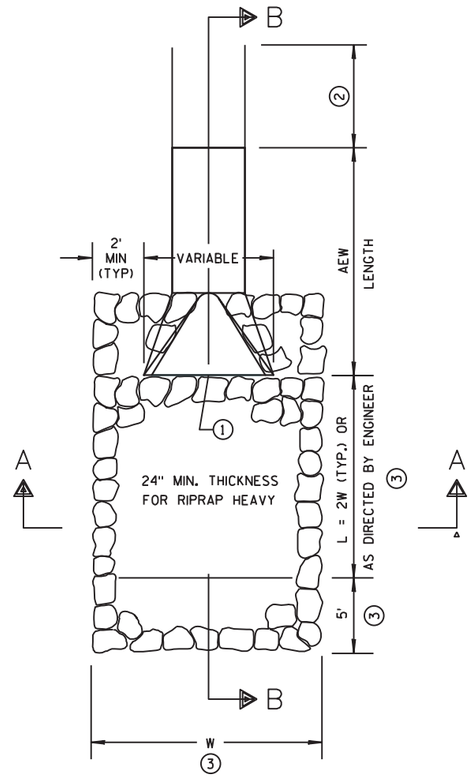
PIPE GRATE



SECTION B-B



SECTION A-A

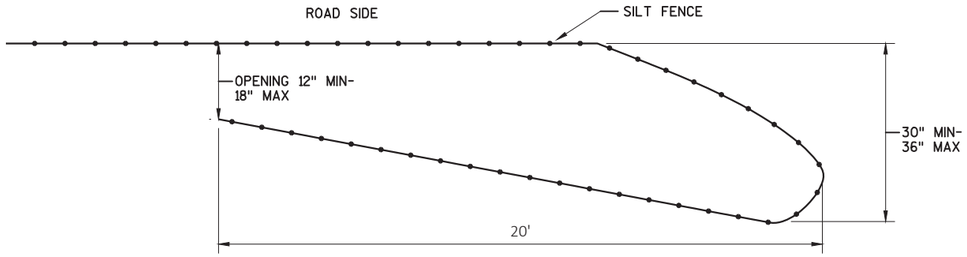


RIPRAP TREATMENT AT APRON ENDWALLS

NOTES:

1. REFER TO STORM SEWER PLAN FOR AEW STA AND OFFSET LOCATION.
2. REFER TO STORM SEWER PLAN FOR STORM SEWER AEW LENGTHS.
3. REFER TO ENERGY DISSIPATER DETAILS AND EROSION CONTROL PLAN FOR RIP RAP HEAVY PLACEMENT.

2



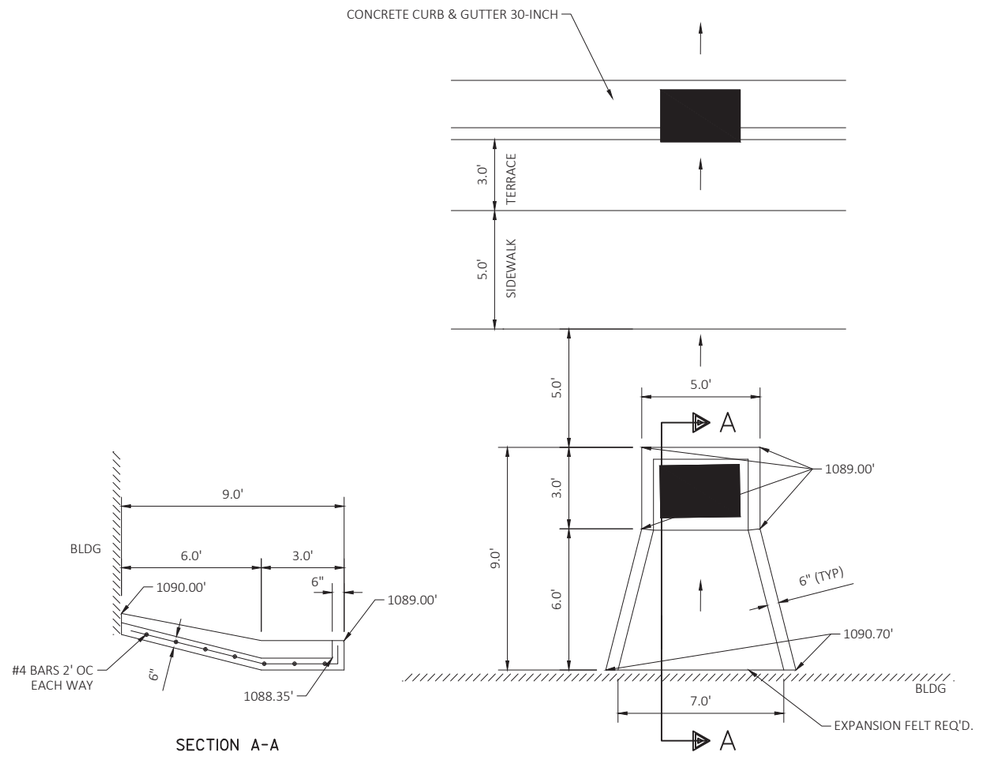
PLAN VIEW

GENERAL NOTES:

THE PURPOSE OF THE TURTLE TURN-AROUNDS ARE TO REDIRECT THE TURTLES AWAY FROM THE CONSTRUCTION ZONE. DESIGN SHOULD INCLUDE TRENCH-IN SEDIMENT FENCING AND FENCING SUPPORTS ON THE UPSLOPE SIDE OF FENCE. SILT FENCE POSTS FOR THE TURN-AROUND SHALL BE ON THE OUTSIDE OF THE TURN-AROUND. AND TRENCHED IN ACCORDING TO SILT FENCE REQUIREMENTS.

TEMPORARY SMALL ANIMAL TURN-AROUND

(INCLUDE IN SILT FENCE BID ITEM)



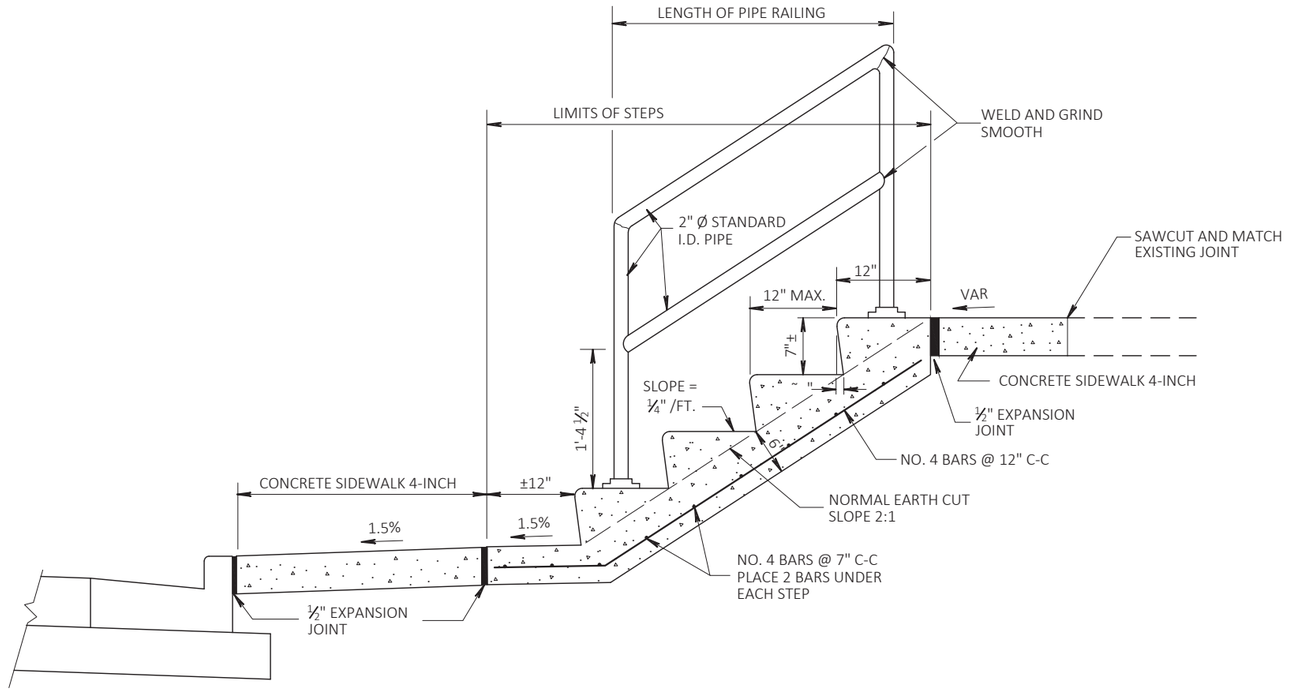
SECTION A-A

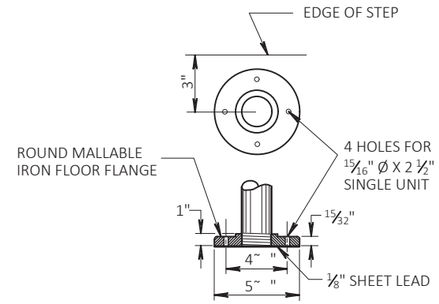
ROOF DRAIN FLUME DETAIL

STA 1283+02 RT

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CONSTRUCTION DETAILS	SHEET 21	E

2





FLANGE DETAIL

NOTE:

THE EXACT LOCATION, WIDTHS, & NUMBER OF STEPS TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

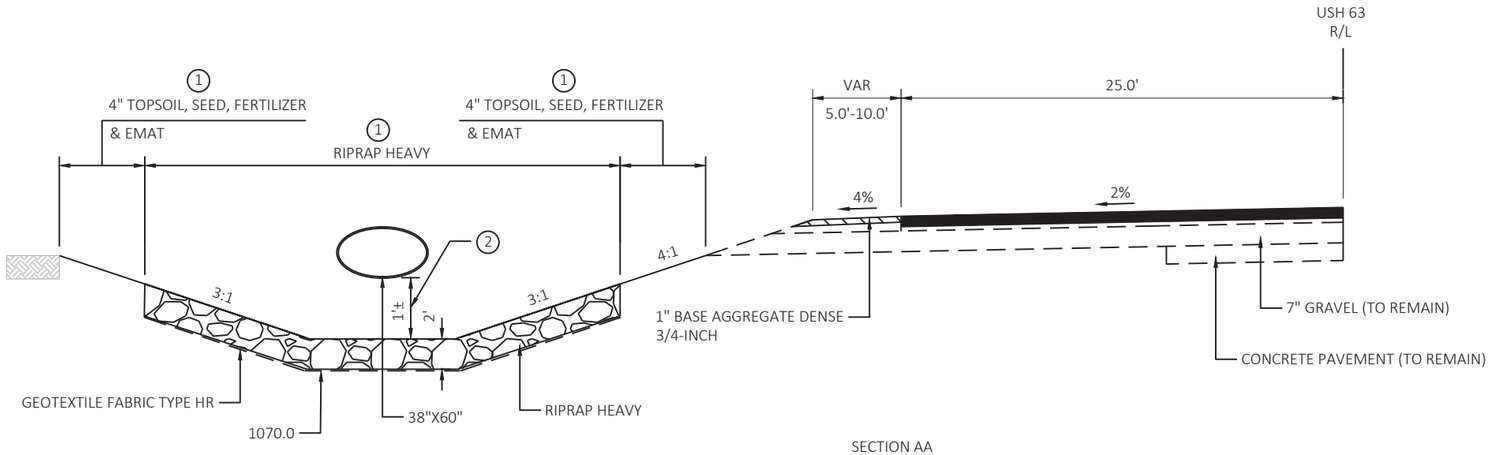
STEEL REINFORCEMENT AND PIPE RAILING NOT REQUIRED ON STEPS WITH 2 RISERS OR LESS.

MINIMUM WIDTH OF STEP EQUALS 4 FEET.

RAILING TO BE PLACED ON LEFT ASCENDING SIDE OF STEPS ONLY.

CONCRETE STEPS DETAIL

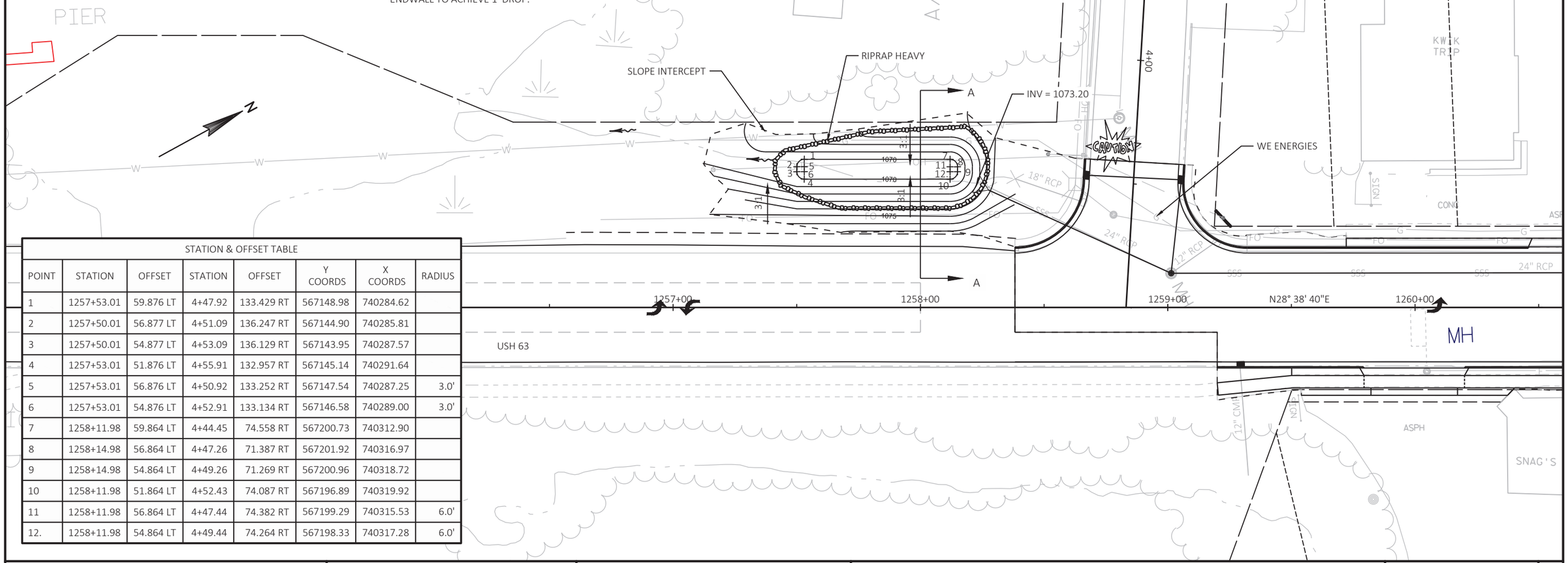
STA 1292+27.5 LT
STA 1294+87.5 LT (RAILING REQ'D)
STA 1303+34.8 LT



SECTION AA

NOTE:

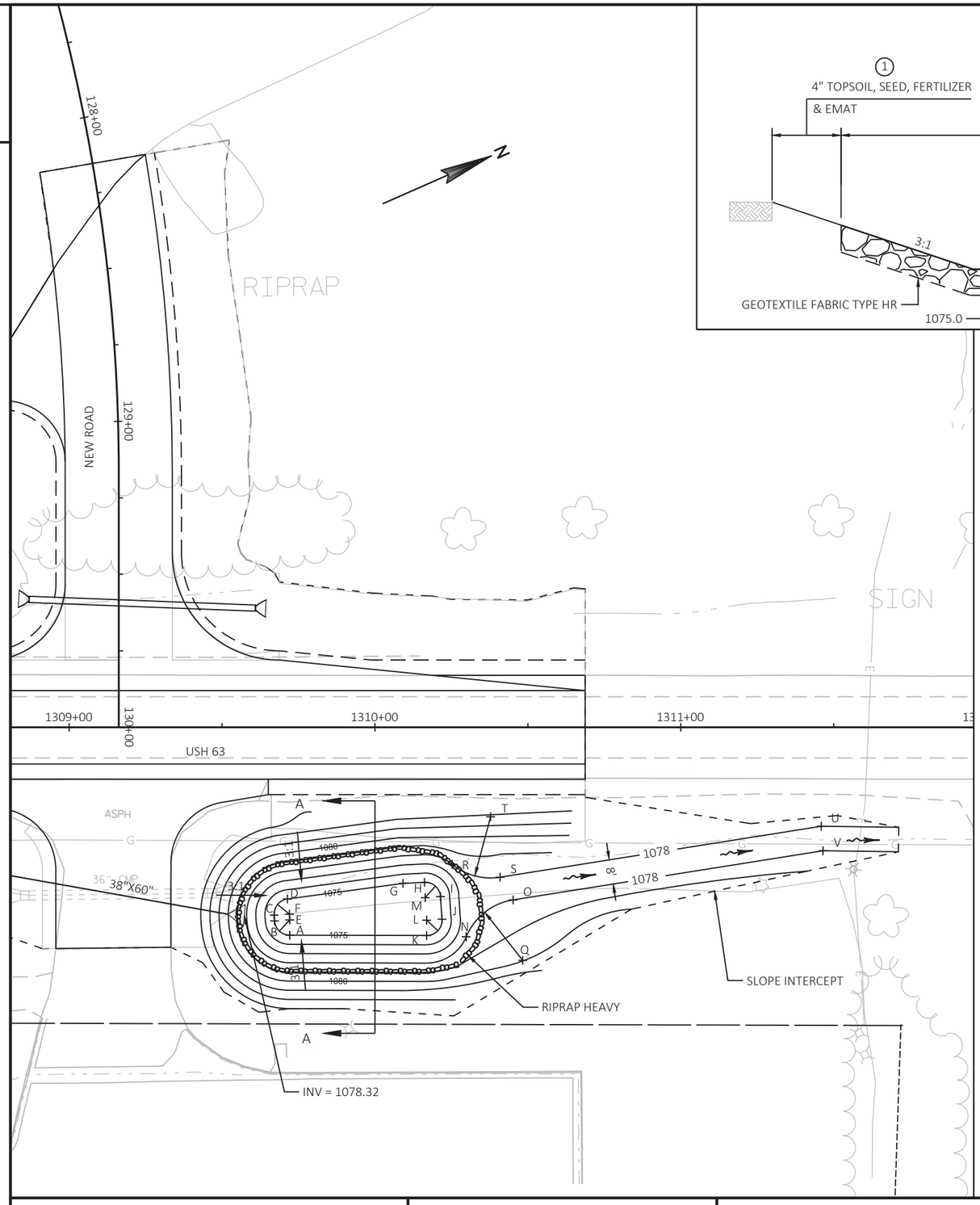
1. SEE EROSION CONTROL PLAN.
2. SHAPE RIPRAP HEAVY AROUND APRON ENDWALL TO ACHIEVE 1' DROP.

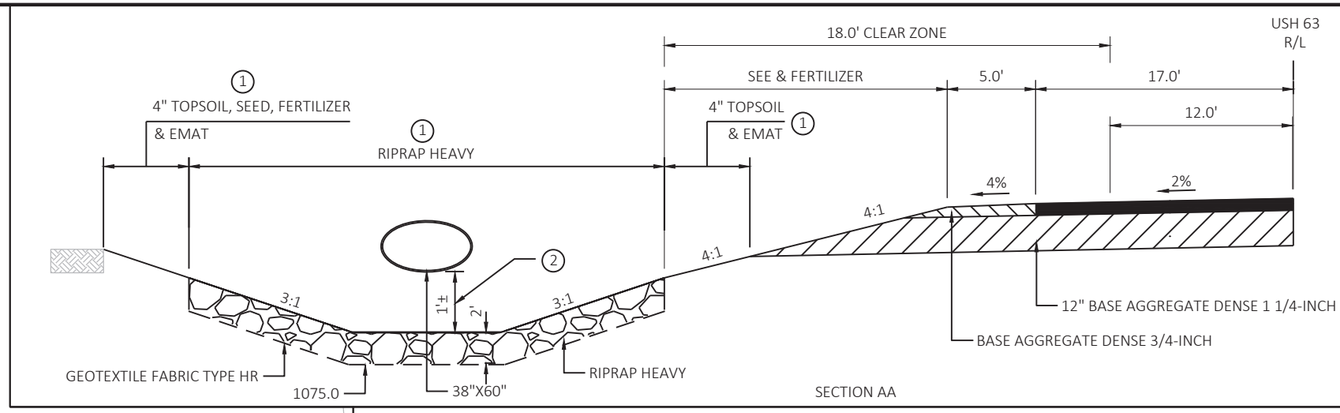


STATION & OFFSET TABLE							
POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
1	1257+53.01	59.876 LT	4+47.92	133.429 RT	567148.98	740284.62	
2	1257+50.01	56.877 LT	4+51.09	136.247 RT	567144.90	740285.81	
3	1257+50.01	54.877 LT	4+53.09	136.129 RT	567143.95	740287.57	
4	1257+53.01	51.876 LT	4+55.91	132.957 RT	567145.14	740291.64	
5	1257+53.01	56.876 LT	4+50.92	133.252 RT	567147.54	740287.25	3.0'
6	1257+53.01	54.876 LT	4+52.91	133.134 RT	567146.58	740289.00	3.0'
7	1258+11.98	59.864 LT	4+44.45	74.558 RT	567200.73	740312.90	
8	1258+14.98	56.864 LT	4+47.26	71.387 RT	567201.92	740316.97	
9	1258+14.98	54.864 LT	4+49.26	71.269 RT	567200.96	740318.72	
10	1258+11.98	51.864 LT	4+52.43	74.087 RT	567196.89	740319.92	
11	1258+11.98	56.864 LT	4+47.44	74.382 RT	567199.29	740315.53	6.0'
12.	1258+11.98	54.864 LT	4+49.44	74.264 RT	567198.33	740317.28	6.0'

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	ENERGY DISSIPATER DETAILS	SHEET	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\021002 CD.DWG
LAYOUT NAME - 01
PLOT DATE : 7/28/2021 7:53 AM
PLOT BY : ANNIE JEROME
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42





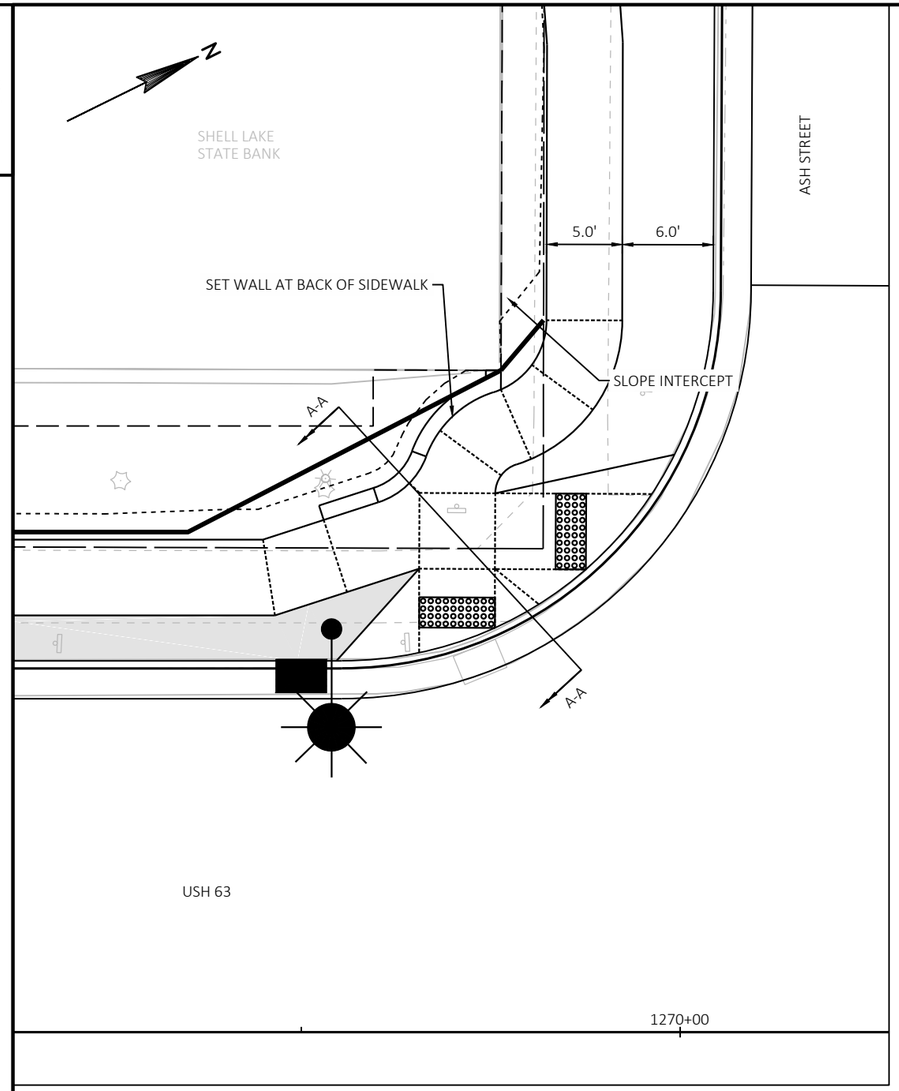
SECTION AA

NOTE:

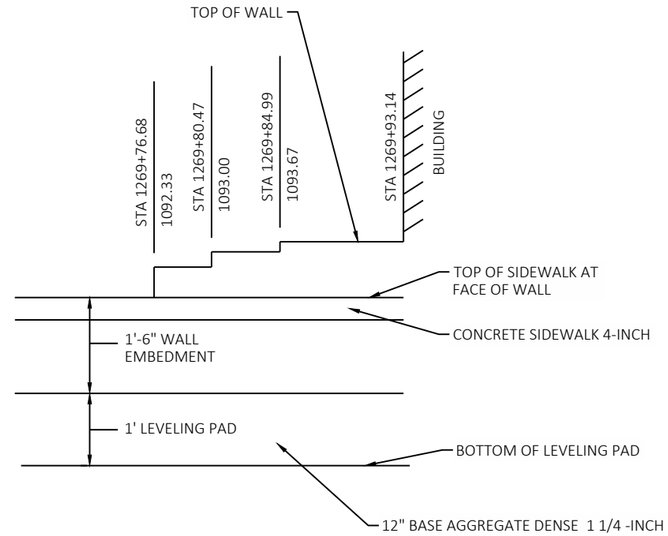
1. SEE EROSION CONTROL PLAN.
2. SHAPE RIPRAP HEAVY AROUND APRON ENDWALL TO ACHIEVE 1' DROP.

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
A	1309+72.15	67.918 RT	571773.04	742707.19	
B	1309+67.17	63.247 RT	571770.37	742700.91	
C	1309+67.05	61.380 RT	571771.01	742699.15	
D	1309+71.37	56.096 RT	571777.10	742696.06	
E	1309+72.16	62.918 RT	571775.07	742702.62	5.0'
F	1309+72.04	61.051 RT	571775.71	742700.86	5.0'
G	1310+09.16	50.993 RT	571813.74	742706.63	
H	1310+16.19	50.651 RT	571820.31	742709.15	
I	1310+21.43	55.317 RT	571823.22	742715.53	
J	1310+21.91	62.704 RT	571820.68	742722.49	
K	1310+16.91	68.033 RT	571813.96	742725.35	
L	1310+16.92	63.033 RT	571815.99	742720.78	5.0'
M	1310+16.44	55.645 RT	571818.52	742713.82	5.0'
N	1310+29.84	68.434 RT	571825.63	742730.93	
O	1310+45.16	56.397 RT	571844.50	742726.09	
Q	1310+48.29	76.150 RT	571839.40	742745.43	
R	1310+25.24	44.761 RT	571830.97	742707.41	
S	1310+40.95	48.964 RT	571843.65	742717.60	
T	1310+37.82	29.211 RT	571848.75	742698.26	
U	1311+45.94	32.305 RT	571946.43	742744.69	
V	1311+46.51	40.314 RT	571943.73	742752.25	

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	ENERGY DISSIPATER DETAIL	SHEET 24	E



PLAN



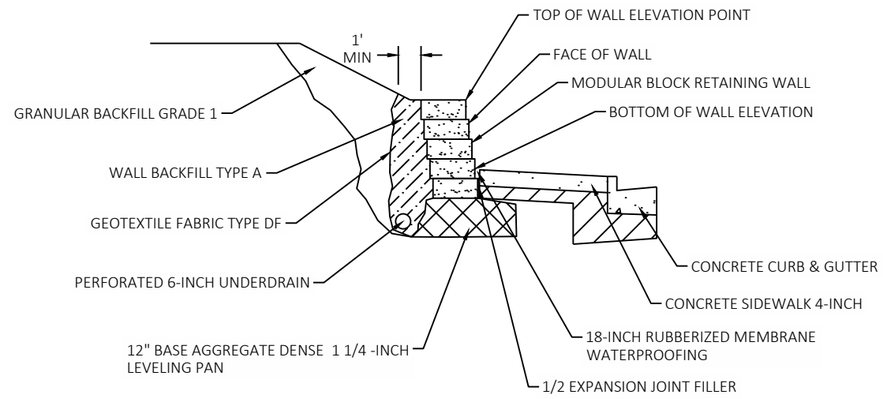
ELEVATION

LOOKING AT FRONT OF WALL
(NOT TO SCALE)

SOIL PARAMETERS

STRATUM LOCATIONS	TOTAL UNIT WEIGHT (PCF)	FRICTION ANGLE (DEGREES)	COHESION (PCF)
GRANULAR BACKFILL (REINFORCING ZONE OR BACKFILL)	120	30	0
RETAINED SOIL *	125	28	0

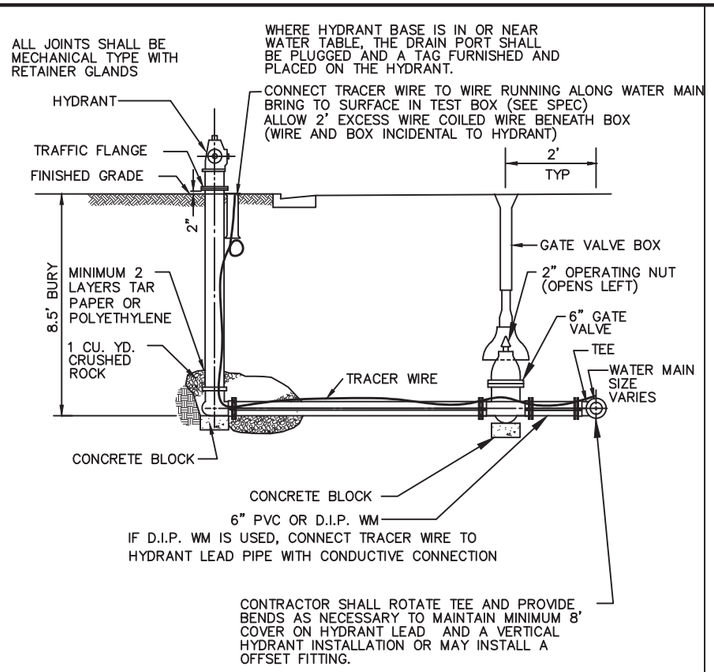
*DESIGN WALL FOR THESE VALUES



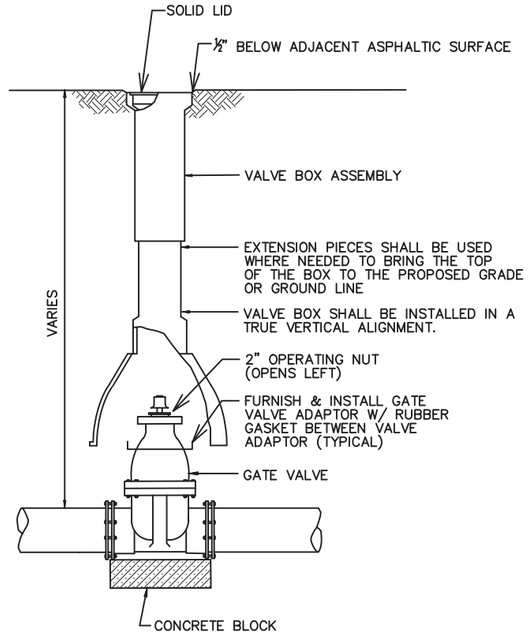
SECTION A-A
(NOT TO SCALE)

MODULAR BLOCK RETAINING WALL

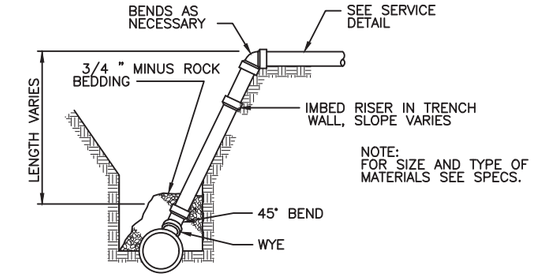
ASH STREET



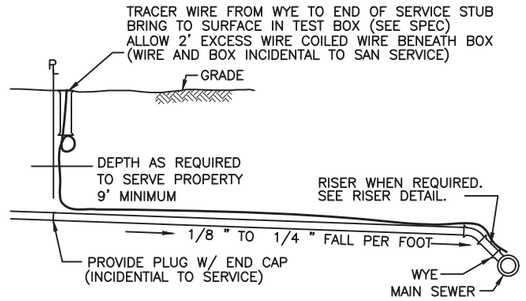
FIRE HYDRANT



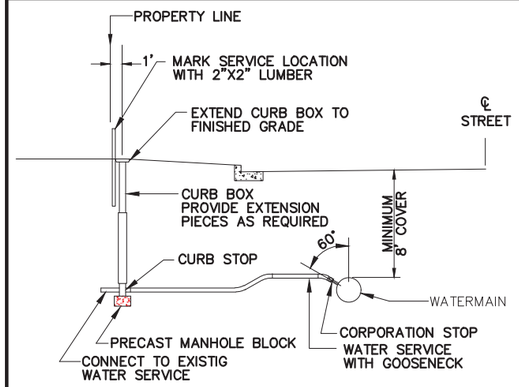
GATE VALVE & BOX



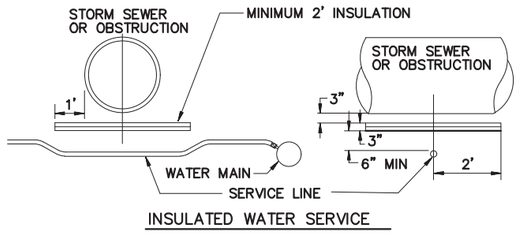
SANITARY SEWER SERVICE RISER



SANITARY SEWER SERVICE

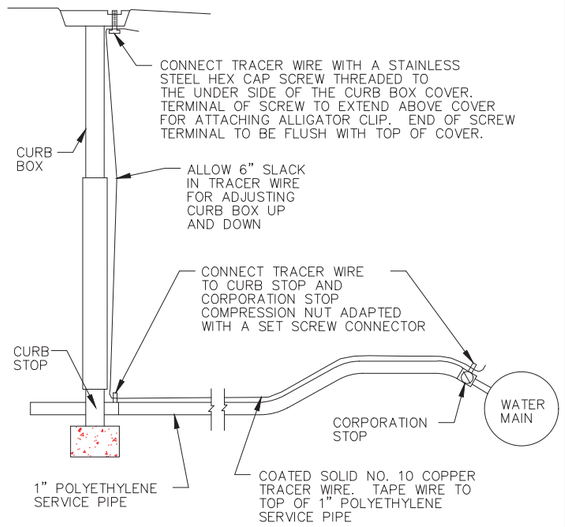


WATER SERVICE CONNECTION

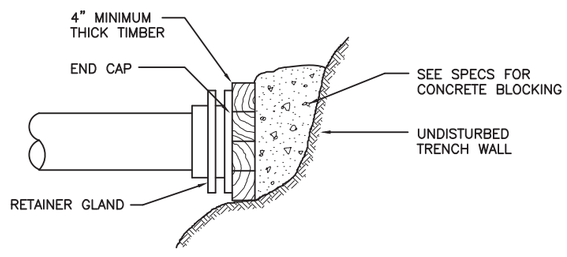


INSULATED WATER SERVICE

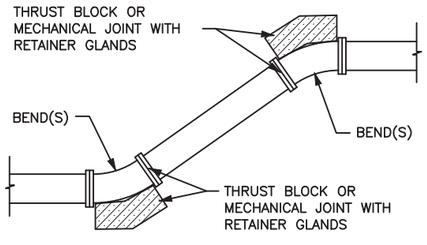
WATER SERVICE CONNECTION



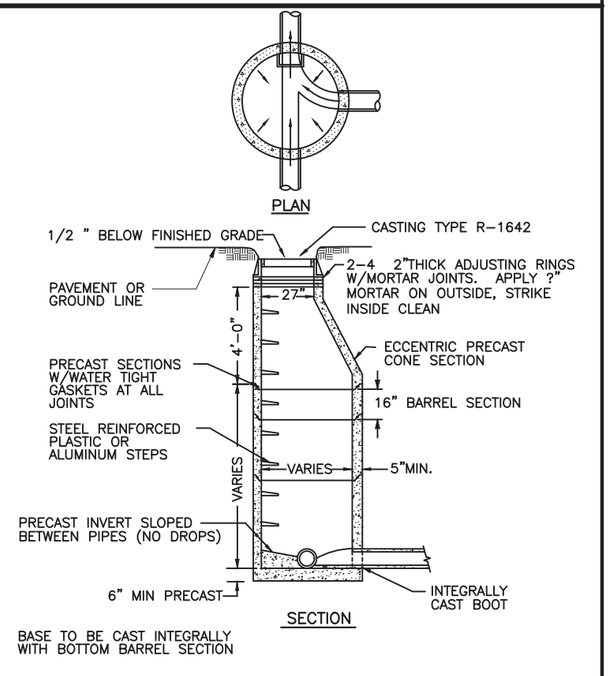
TRACER WIRE DETAIL
FOR PE WATER SERVICE



DEAD END BLOCKING

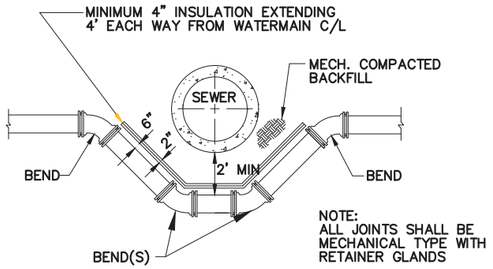


THRUST BLOCK

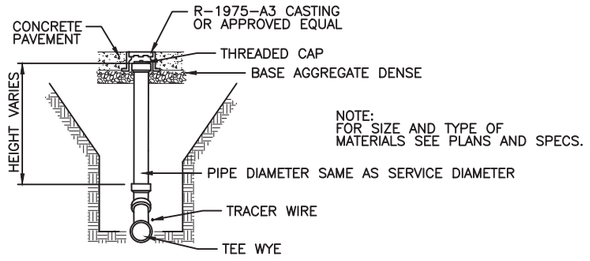


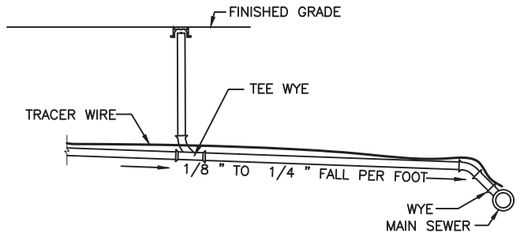
SANITARY MANHOLE

PROJECT NO: 1560-00-80	HWY: USH 63	COUNTY: WASHBURN	SANITARY SEWER AND WATER MAIN DETAILS	SHEET 26	E

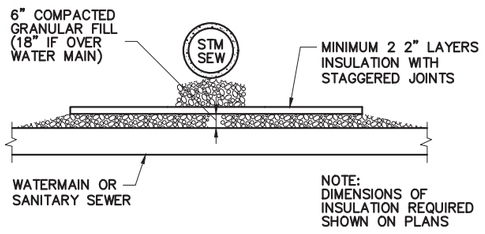


LOWER WATER MAIN





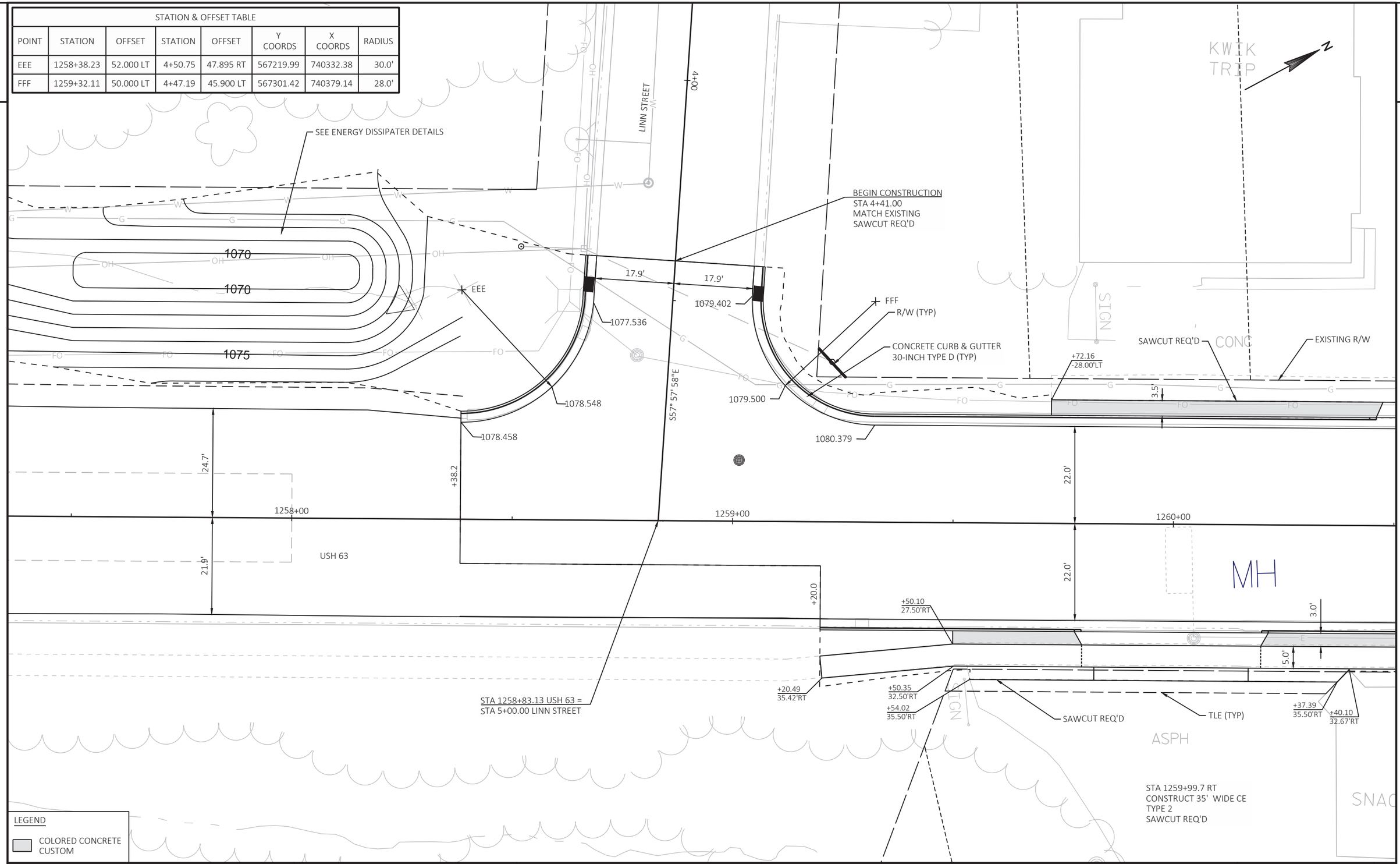
CLEANOUT



INSULATION DETAIL

2

STATION & OFFSET TABLE							
POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
EEE	1258+38.23	52.000 LT	4+50.75	47.895 RT	567219.99	740332.38	30.0'
FFF	1259+32.11	50.000 LT	4+47.19	45.900 LT	567301.42	740379.14	28.0'



PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	INTERSECTION DETAIL - LINN STREET	SHEET 28	E

2

STATION & OFFSET TABLE							
POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
AAAA	1262+95.48	60.548 RT	10+60.50	43.831 LT	567570.42	740649.89	4.0'
BBBB	1263+13.37	42.609 RT	10+42.54	61.700 LT	567594.39	740641.71	4.0'
GGG	1261+88.71	72.660 LT	9+24.83	60.000 RT	567537.47	740482.26	40.0'
HHH	1263+23.72	62.000 LT	9+37.92	71.931 LT	567649.94	740552.46	38.0'
III	1261+81.26	62.000 RT	10+59.08	72.928 RT	567466.38	740596.86	40.0'
JJJ	1263+13.63	72.684 RT	10+72.61	62.000 LT	567581.33	740668.80	40.0'
ZZZ	1261+93.28	50.006 LT	9+47.66	56.352 RT	567530.63	740504.33	2.0'

STATION & OFFSET TABLE							
POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
CCCC	1263+74.67	32.000 RT			567654.07	740659.31	10.0'
DDDD	1263+72.92	30.551 RT			567653.14	740657.23	10.0'
EEEE	1264+27.67	37.000 RT			567699.40	740687.23	15.0'

LEGEND

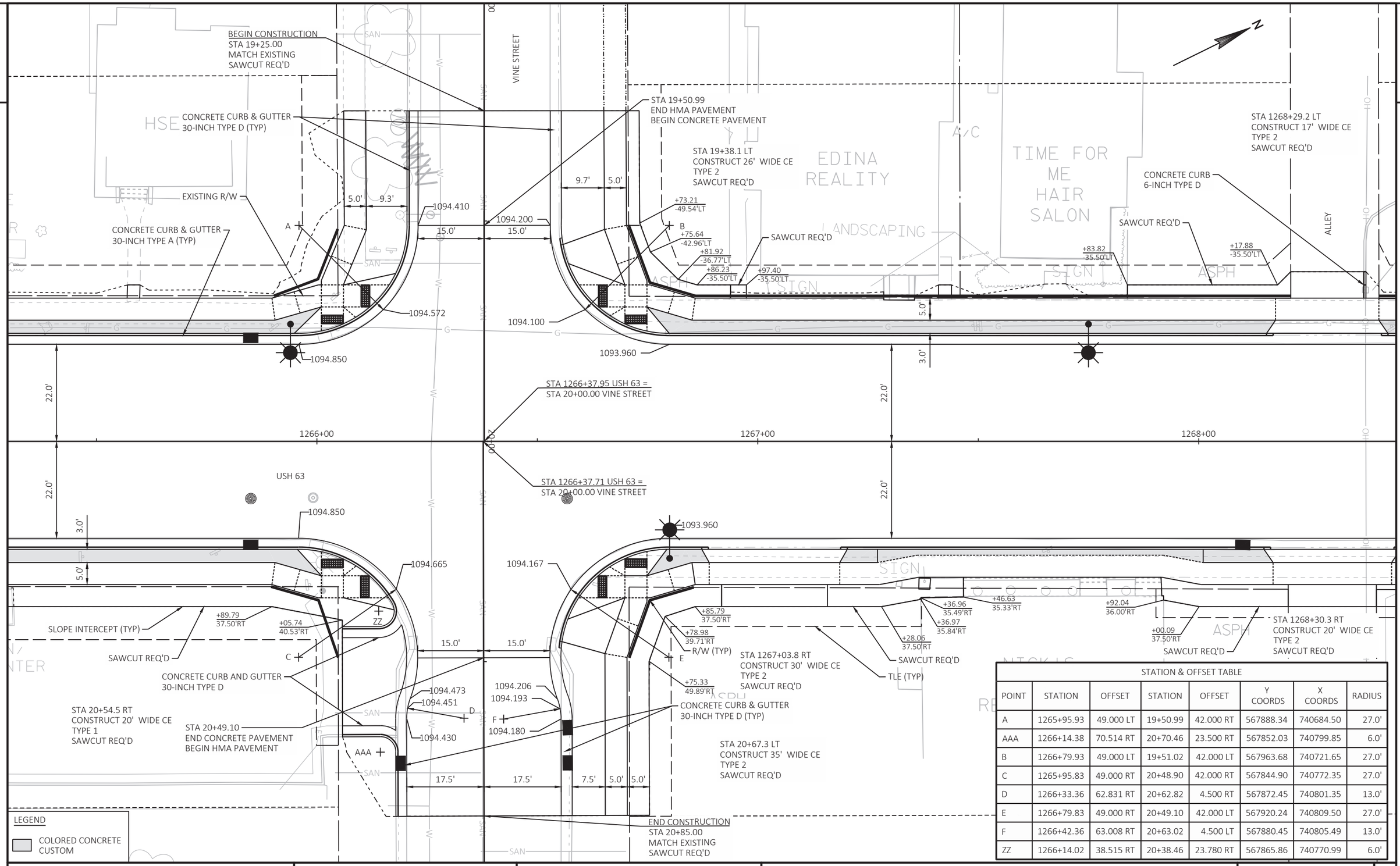
COLORED CONCRETE CUSTOM

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	INTERSECTION DETAIL - STH 70	SHEET 29 E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\021101 ID.DWG
LAYOUT NAME - 2

PLOT DATE : 7/28/2021 7:57 AM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:20 FT

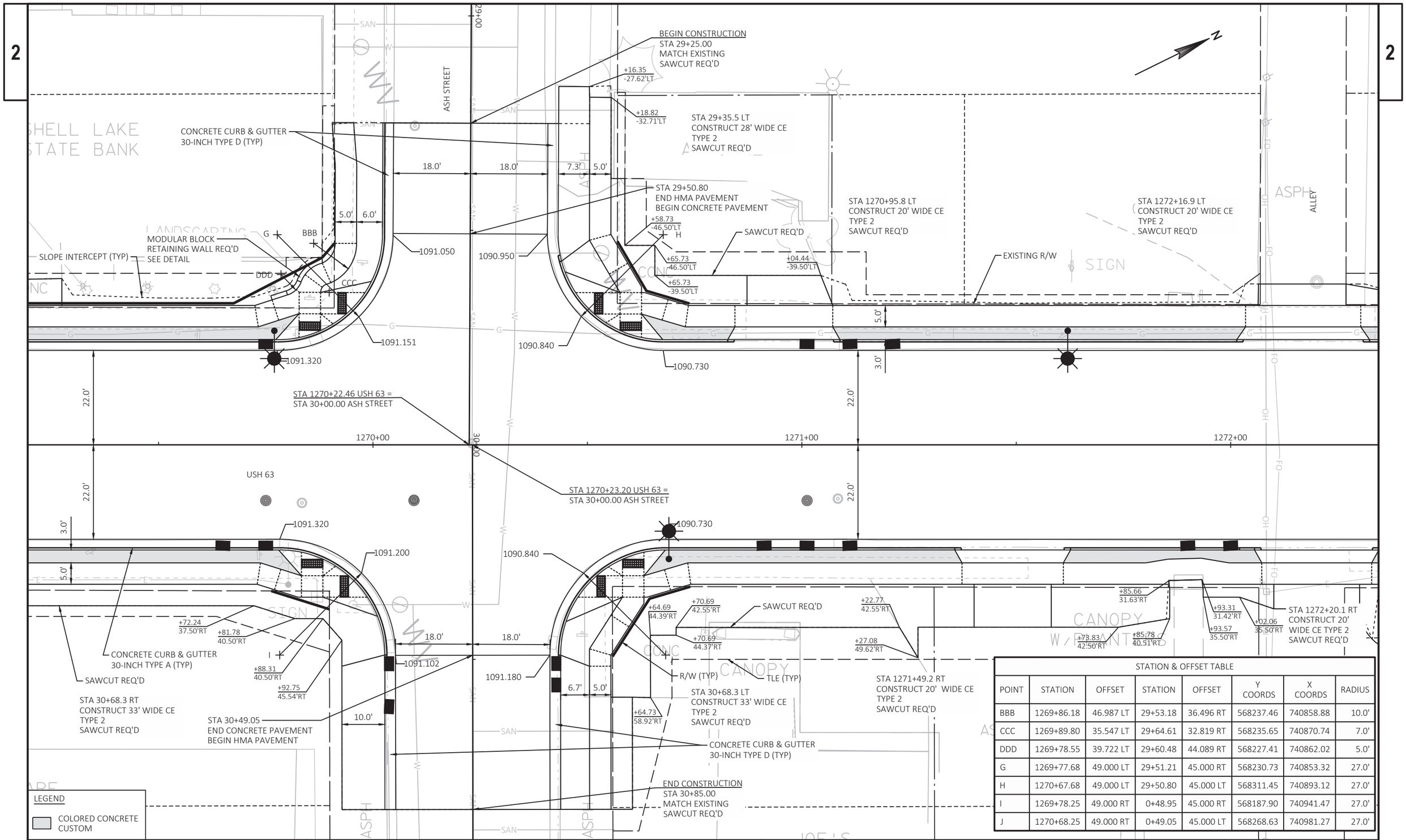
WISDOT/CADDS SHEET 42



STATION & OFFSET TABLE							
POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
A	1265+95.93	49.000 LT	19+50.99	42.000 RT	567888.34	740684.50	27.0'
AAA	1266+14.38	70.514 RT	20+70.46	23.500 RT	567852.03	740799.85	6.0'
B	1266+79.93	49.000 LT	19+51.02	42.000 LT	567963.68	740721.65	27.0'
C	1265+95.83	49.000 RT	20+48.90	42.000 RT	567844.90	740772.35	27.0'
D	1266+33.36	62.831 RT	20+62.82	4.500 RT	567872.45	740801.35	13.0'
E	1266+79.83	49.000 RT	20+49.10	42.000 LT	567920.24	740809.50	27.0'
F	1266+42.36	63.008 RT	20+63.02	4.500 LT	567880.45	740805.49	13.0'
ZZ	1266+14.02	38.515 RT	20+38.46	23.780 RT	567865.86	740770.99	6.0'

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	INTERSECTION DETAIL - VINE STREET	SHEET	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\021101 ID.DWG
LAYOUT NAME - 3
PLOT DATE : 7/28/2021 7:58 AM
PLOT BY : ANNIE JEROME
PLOT NAME :
PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42



STATION & OFFSET TABLE

POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
BBB	1269+86.18	46.987 LT	29+53.18	36.496 RT	568237.46	740858.88	10.0'
CCC	1269+89.80	35.547 LT	29+64.61	32.819 RT	568235.65	740870.74	7.0'
DDD	1269+78.55	39.722 LT	29+60.48	44.089 RT	568227.41	740862.02	5.0'
G	1269+77.68	49.000 LT	29+51.21	45.000 RT	568230.73	740853.32	27.0'
H	1270+67.68	49.000 LT	29+50.80	45.000 LT	568311.45	740893.12	27.0'
I	1269+78.25	49.000 RT	0+48.95	45.000 RT	568187.90	740941.47	27.0'
J	1270+68.25	49.000 RT	0+49.05	45.000 LT	568268.63	740981.27	27.0'

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	INTERSECTION DETAIL - ASH STREET	SHEET 31	E

2

BEGIN CONSTRUCTION
STA 39+25.00
MATCH EXISTING
SAWCUT REQ'D

+15.09
32.41'RT

STA 39+39.7 RT
CONSTRUCT 14' WIDE CE
TYPE 2
SAWCUT REQ'D

CONCRETE CURB & GUTTER
30-INCH TYPE D (TYP)

STA 39+50.98
END HMA PAVEMENT
BEGIN CONCRETE PAVEMENT

CONCRETE CURB PEDESTRIAN

CONCRETE CURB & GUTTER
30-INCH TYPE A (TYP)

+65.40
-32.80'LT

1092.130

1092.010

1091.920

1092.050

1092.130

1092.240

5.5' 6.4' 18.0' 18.0' 6.0' 6.0'

5.0'

3.0'

6.0'

STA 39+38.7 LT
CONSTRUCT 28' WIDE CE
TYPE 2
SAWCUT REQ'D

+48.91
-62.62'LT

STA 1274+96.1 LT
CONSTRUCT 26' WIDE CE
TYPE 2
SAWCUT REQ'D

SAWCUT REQ'D

+18.00
-43.00'LT

+49.08
-43.00'LT

EXISTING R/W

STA 1276+02.4 LT
CONSTRUCT 20' WIDE CE
TYPE 2
SAWCUT REQ'D

OAK STREET

OVERHANG

RET WALL &
PLANTER

DENELIE'S

HAIR ENVY
SALON

ALLEY

CONC

JNT

STA 1274+10.44 USH 63 =
STA 40+00.00 OAK STREET

STA 1274+09.81 USH 63 =
STA 40+00.00 OAK STREET

USH 63

1274+00

1275+00

1276+00

22.0'

1091.900

1092.115

1092.111

1092.740

+55.87
33.50'RT

+55.94
38.76'RT

+63.94
38.65'RT

+55.10
36.35'RT

+59.05
39.43'RT

+61.64
40.94'RT

+64.94
35.26'RT

SLOPE INTERCEPT (TYP)

SAWCUT REQ'D

CONCRETE CURB & GUTTER
30-INCH TYPE D (TYP)

1092.290

1092.335

1092.380

1092.270

1092.290

1092.310

3.0' 5.8' 18.0' 24.0'

18.0' 18.0' 5.0' 24.0'

STA 1274+82.4 RT
CONSTRUCT 18' WIDE CE
TYPE 2
SAWCUT REQ'D

+11.97
35.50'RT

+38.70
35.50'RT

R/W (TYP)

TLE (TYP)

STA 40+49.20
END CONCRETE PAVEMENT
BEGIN HMA PAVEMENT

STA 1276+02.8 RT
CONSTRUCT 20' WIDE CE
TYPE 2
SAWCUT REQ'D

ASPH

PAVERS

LANDSCAPING

MAILBOX

OH

SAN

G

W

FO

END CONSTRUCTION
STA 40+80.00
MATCH EXISTING
SAWCUT REQ'D

LEGEND

COLORED CONCRETE
CUSTOM

STATION & OFFSET TABLE

POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
K	1273+69.82	44.000 LT	39+56.01	40.000 RT	568580.23	741031.22	22.0'
L	1274+54.83	49.000 LT	39+50.98	45.000 LT	568658.68	741064.32	27.0'
M	1273+65.22	49.000 RT	40+49.20	45.000 RT	568534.98	741112.59	27.0'
N	1273+99.13	70.224 RT	40+70.27	11.000 RT	568556.00	741146.62	13.0
O	1274+55.22	49.000 RT	40+48.80	45.000 LT	568615.70	741152.39	27.0'
P	1274+21.13	69.918 RT	40+69.87	11.000 RT	568575.87	741156.08	13.0'

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	INTERSECTION DETAIL - OAK STREET	SHEET 32	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\021101 ID.DWG
LAYOUT NAME - 5

PLOT DATE : 7/28/2021 7:59 AM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

2

BEGIN CONSTRUCTION
STA 49+50.67
MATCH EXISTING
SAWCUT REQ'D

STA 49+55.94
END HMA PAVEMENT
BEGIN CONCRETE PAVEMENT

SAWCUT REQ'D

+94.75
-32.99'LT

+02.76
-32.94'LT

+31.88
-32.88'LT

+53.90
-32.84'LT

+62.61
-41.19'LT

+64.40
-38.79'LT

+50.59
-32.81'LT

+56.27
-30.73'LT

7.8'

9.2'

12.0'

1093.490

1093.560

1093.620

Q

NATURALLY NORTH

ONE-WAY

WALNUT STREET

BANK OF THE WEST

RET WALLS

CONC

FLAG

ALLEY

1093.350

12.0'

9.4'

+25.66
-40.66'LT

+61.81
-40.66'LT

R

TLE (TYP)

R/W (TYP)

SAWCUT REQ'D

CONCRETE CURB & GUTTER
30-INCH TYPE A (TYP)

STA 1279+87.9 LT
CONSTRUCT 20' WIDE CE
TYPE 2
SAWCUT REQ'D

1093.470

1093.390

5.1'

3.0'

22.0'

STA 1277+95.17 USH 63 =
STA 50+00.00 WALNUT STREET

1277+00

1278+00

1279+00

USH 63

STA 1277+96.36 USH 63 =
STA 50+00.00 WALNUT STREET

1093.600

1093.660

1093.520

1093.470

1093.580

1093.720

5.0'

1.5'

+57.97
32.36'RT

+32.47
32.43'RT

T

S

CONCRETE CURB PEDESTRIAN

CONCRETE CURB PEDESTRIAN

SLOPE INTERCEPT (TYP)

8.2'

194.2'

12.0'

12.0'

9.5'

7.0'

XXX

YYY

OVERHANG

EXISTING R/W

STA 1279+88.1 RT
CONSTRUCT 21' WIDE CE
TYPE 2
SAWCUT REQ'D

SPOONER
MERCANTILE CO

RED CROSS
PHARMAC

STA 50+40.00
END CONCRETE PAVEMENT
BEGIN HMA PAVEMENT

END CONSTRUCTION
STA 50+70.00
MATCH EXISTING
SAWCUT REQ'D

LEGEND

COLORED CONCRETE
CUSTOM

STATION & OFFSET TABLE

POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
Q	1277+71.22	34.000 LT	49+66.03	24.000 RT	568935.82	741217.69	12.0'
R	1278+29.23	44.000 LT	49+55.95	34.000 LT	568992.28	741234.38	22.0'
S	1277+62.29	44.000 RT	50+44.05	34.000 RT	568893.32	741283.70	22.0'
T	1278+20.30	34.000 RT	50+33.96	24.000 LT	568949.78	741300.39	12.0'
XXX	1277+59.27	55.913 RT	50+55.97	37.000 RT	568885.35	741293.05	25.0'
YYY	1278+33.27	56.427 RT	50+56.37	37.000 LT	568951.49	741326.24	25.0'

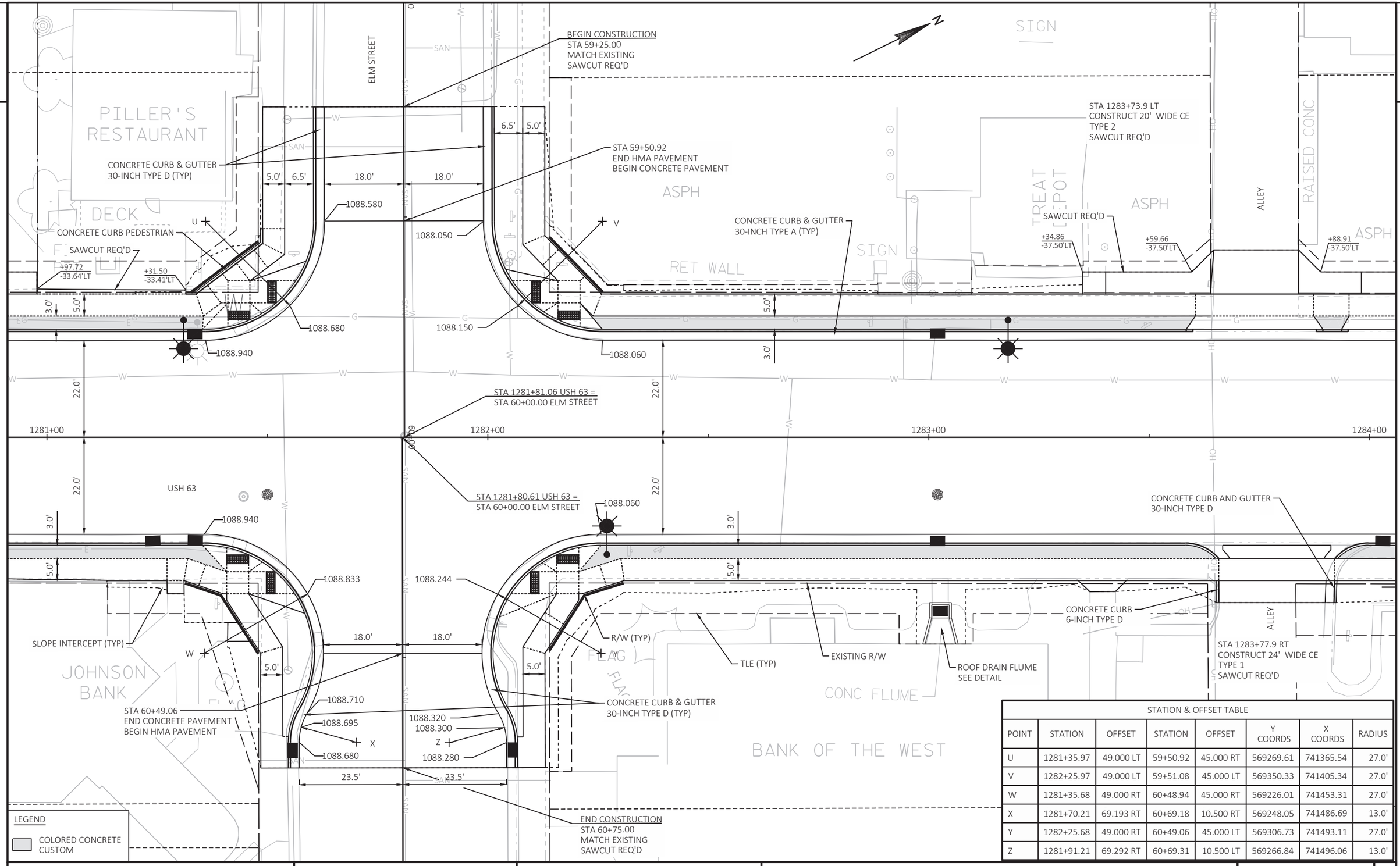
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	INTERSECTION DETAIL - WALNUT STREET	SHEET 33	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\021101 ID.DWG
LAYOUT NAME - 6

PLOT DATE : 7/28/2021 8:00 AM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

2



STATION & OFFSET TABLE							
POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
U	1281+35.97	49.000 LT	59+50.92	45.000 RT	569269.61	741365.54	27.0'
V	1282+25.97	49.000 LT	59+51.08	45.000 LT	569350.33	741405.34	27.0'
W	1281+35.68	49.000 RT	60+48.94	45.000 RT	569226.01	741453.31	27.0'
X	1281+70.21	69.193 RT	60+69.18	10.500 RT	569248.05	741486.69	13.0'
Y	1282+25.68	49.000 RT	60+49.06	45.000 LT	569306.73	741493.11	27.0'
Z	1281+91.21	69.292 RT	60+69.31	10.500 LT	569266.84	741496.06	13.0'

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	INTERSECTION DETAIL - ELM STREET	SHEET 34	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\021101 ID.DWG
LAYOUT NAME - 7
PLOT DATE : 7/28/2021 8:01 AM
PLOT BY : ANNIE JEROME
PLOT NAME :
PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

2

BEGIN CONSTRUCTION
STA 69+15.00
MATCH EXISTING
SAWCUT REQ'D

STA 69+38.2 RT
CONSTRUCT 26' WIDE CE
TYPE 2
SAWCUT REQ'D

CONCRETE CURB & GUTTER
30-INCH TYPE D (TYP)

CANOPY

8.0' 5.0' 6.1' 18.0' 18.0'

PINE STREET/
CTH K

RIVER STREET
DENTAL

STA 69+50.67
END HMA PAVEMENT
BEGIN CONCRETE PAVEMENT

ASPH

STA 1287+61.5 LT
CONSTRUCT 15' WIDE CE
TYPE 2
SAWCUT REQ'D

+26.12
-43.69'LT
AA

CONCRETE CURB PEDESTRIAN

SAWCUT REQ'D

+21.70
-37.50'LT

+81.87
-33.00'LT

1087.060

1087.160

BB

EXISTING R/W

CONCRETE CURB & GUTTER
30-INCH TYPE A (TYP)

SIGN

FLAG

CURB

5.0'

1087.280

1087.360

1087.540

3.0'

22.0'

STA 1285+65.30 USH 63 =
STA 70+00.00 PINE STREET

1285+00 1286+00 1287+00

USH 63

1087.180

1087.330

1087.230

1087.430

1087.540

CONCRETE CURB & GUTTER
24-INCH TYPE D

+12.17
41.80'RT

+21.14
41.83'RT

SAWCUT REQ'D

CC

DD

TLE (TYP)

R/W (TYP)

SLOPE INTERCEPT (TYP)

STA 70+49.44
END CONCRETE PAVEMENT
BEGIN HMA PAVEMENT

5.0' 6.0' 18.0' 360.0' 7.0' 5.0'

CONCRETE CURB & GUTTER
30-INCH TYPE D (TYP)

END CONSTRUCTION
STA 70+75.00
MATCH EXISTING
SAWCUT REQ'D

STA 1287+58.4 RT
CONSTRUCT 20' WIDE CE
TYPE 2
SAWCUT REQ'D

STAMPED CONC

ALLEY

LEGEND

COLORED CONCRETE
CUSTOM

STATION & OFFSET TABLE

POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
AA	1285+20.66	49.000 LT	69+51.33	45.000 RT	569614.63	741535.65	27.0'
BB	1286+10.66	49.000 LT	69+50.67	45.000 LT	569695.36	741575.45	27.0'
CC	1285+20.77	49.000 RT	70+48.57	45.000 RT	569571.40	741623.60	27.0'
DD	1286+10.77	49.000 RT	70+49.44	45.000 LT	569652.12	741663.40	27.0'

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	INTERSECTION DETAIL - PINE STREET	SHEET 35	E

2

LEGEND

COLORED CONCRETE CUSTOM

BEGIN CONSTRUCTION
STA 79+15.00
MATCH EXISTING
SAWCUT REQ'D

CONCRETE CURB & GUTTER
30-INCH TYPE D (TYP)

CONCRETE CURB & GUTTER
30-INCH TYPE A (TYP)

SAWCUT REQ'D

+25.00
30.50'RT

+02.01
-35.50'LT

+22.17
-41.84'LT

EE

FF

GG

HH

II

1088.760

1088.860

1088.980

1089.130

1089.460

1089.380

1089.300

1089.020

1088.750

1088.910

18.0'

24.5'

10.0'

5.0'

3.0'

22.0'

STA 79+50.72
END HMA PAVEMENT
BEGIN CONCRETE PAVEMENT

STA 1290+58.3 LT
CONSTRUCT 19' WIDE CE
TYPE 2
SAWCUT REQ'D

STA 1291+45.9 LT
CONSTRUCT 20' WIDE CE
TYPE 2
SAWCUT REQ'D

EXISTING R/W

STA 1289+52.41 USH 63 =
STA 80+00.00 CEDAR STREET

STA 1289+51.38 USH 63 =
STA 80+00.00 CEDAR STREET

USH 63

1289+00

1290+00

1291+00

80+00

79+00

CEDAR STREET

CHAIN LINK FENCE

ASPH

GRASS

INN
TOWN
MOTEL

MOTEL

SIGN

ALLEY

+00.14
37.50'RT

+09.68
40.50'RT

+24.84
40.50'RT

R/W (TYP)

TLE (TYP)

SLOPE INTERCEPT (TYP)

STA 1288+58.2 RT
CONSTRUCT 24' WIDE CE
TYPE 2
SAWCUT REQ'D

STA 80+49.21
END CONCRETE PAVEMENT
BEGIN HMA PAVEMENT

STA 80+58.3 RT
CONSTRUCT 35' WIDE CE
TYPE 2
SAWCUT REQ'D

END CONSTRUCTION
STA 80+76.00
MATCH EXISTING
SAWCUT REQ'D

CONCRETE CURB & GUTTER
30-INCH TYPE D (TYP)

STA 1290+44.2 RT
CONSTRUCT 12' WIDE PE
TYPE 2
SAWCUT REQ'D

STA 1291+45.1 RT
CONSTRUCT 20' WIDE CE
TYPE 2
SAWCUT REQ'D

FARM
INSURANCE

15.4'

16.6'

7.0'

STATION & OFFSET TABLE

POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
EE	1289+07.72	49.000 LT	79+51.28	45.000 RT	569961.79	741706.82	27.0'
FF	1289+64.36	71.066 LT	79+28.86	11.500 LT	570022.35	741712.08	13.0'
GG	1289+97.72	49.000 LT	79+50.72	45.000 LT	570042.51	741746.62	27.0'
HH	1289+06.16	49.000 RT	80+49.21	45.000 RT	569917.05	741794.03	27.0'
II	1289+96.16	49.000 RT	80+48.79	45.000 LT	569997.78	741833.83	27.0'

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	INTERSECTION DETAIL - CEDAR STREET	SHEET 36	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\021101 ID.DWG
LAYOUT NAME - 9

PLOT DATE : 7/28/2021 8:03 AM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

2

BEGIN CONSTRUCTION
STA 89+15.00
MATCH EXISTING
SAWCUT REQ'D

STA 1292+50.8 LT
CONSTRUCT 12' WIDE PE
TYPE 2
SAWCUT REQ'D

CONCRETE CURB & GUTTER
30-INCH TYPE D (TYP)

HAZEL STREET

18.0'

18.0'

6.5'

5.0'

STA 89+50.89
END HMA PAVEMENT
BEGIN CONCRETE PAVEMENT

JJ

KK

1090.630

1090.420

EXISTING R/W

CONCRETE STEPS
RAILING REQ'D
SEE DETAIL

STA 1295+08.5 LT
CONSTRUCT 12' WIDE PE
TYPE 2
SAWCUT REQ'D

STA 1295+31.9 LT
CONSTRUCT 20' WIDE PE
TYPE 2
SAWCUT REQ'D

ALLEY

WOOD RAIL FENCE

5.0'

3.0'

1090.440

1090.520

1090.605

1090.350

22.0'

STA 1293+39.23 USH 63 =
STA 90+00.00 HAZEL STREET

1293+00

1294+00

1295+00

USH 63

STA 1293+38.76 USH 63 =
STA 90+00.00 HAZEL STREET

1090.620

1090.350

1090.260

1090.500

1090.080

1090.320

SLOPE INTERCEPT (TYP)

LL

MM

R/W (TYP)

TLE (TYP)

CONCRETE CURB & GUTTER
30-INCH TYPE A (TYP)

STA 1295+31.7 RT
CONSTRUCT 20' WIDE CE
TYPE 2
SAWCUT REQ'D

STA 1292+51.2 RT
CONSTRUCT 12' WIDE PE
TYPE 2
SAWCUT REQ'D

STA 90+49.17
END CONCRETE PAVEMENT
BEGIN HMA PAVEMENT

5.0'

6.0'

7.0'

CONCRETE CURB & GUTTER
30-INCH TYPE D (TYP)

STA 1294+22.6 RT
CONSTRUCT 12' WIDE PE
TYPE 2
SAWCUT REQ'D

LEGEND

COLORED CONCRETE
CUSTOM

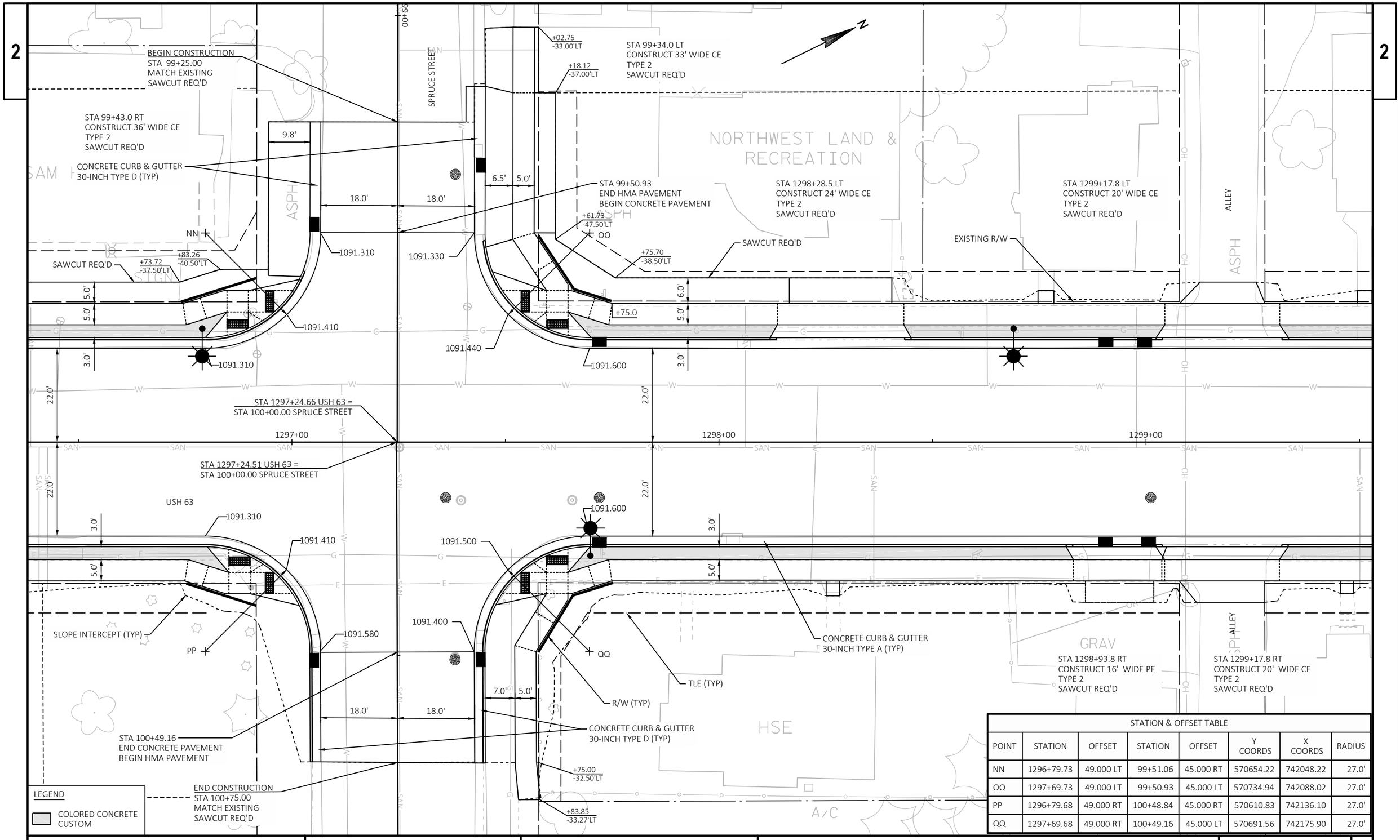
END CONSTRUCTION
STA 90+75.00
MATCH EXISTING
SAWCUT REQ'D

STATION & OFFSET TABLE

POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
JJ	1292+94.11	49.000 LT	89+50.89	45.000 RT	570308.35	741877.69	27.0'
KK	1293+84.11	49.000 LT	89+51.10	45.000 LT	570389.07	741917.49	27.0'
LL	1292+93.95	49.000 RT	90+48.83	45.000 RT	570264.87	741965.52	27.0'
MM	1293+83.95	49.000 RT	90+49.17	45.000 LT	570345.59	742005.32	27.0'

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	INTERSECTION DETAIL - HAZEL STREET	SHEET 37	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\021101 ID.DWG
LAYOUT NAME - 10
PLOT DATE : 7/28/2021 8:03 AM
PLOT BY : ANNIE JEROME
PLOT NAME :
PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42



STATION & OFFSET TABLE							
POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
NN	1296+79.73	49.000 LT	99+51.06	45.000 RT	570654.22	742048.22	27.0'
OO	1297+69.73	49.000 LT	99+50.93	45.000 LT	570734.94	742088.02	27.0'
PP	1296+79.68	49.000 RT	100+48.84	45.000 RT	570610.83	742136.10	27.0'
QQ	1297+69.68	49.000 RT	100+49.16	45.000 LT	570691.56	742175.90	27.0'

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	INTERSECTION DETAIL - SPRUCE STREET	SHEET 38	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\021101 ID.DWG
LAYOUT NAME - 11
PLOT DATE : 9/1/2021 4:00 PM
PLOT BY : VANCE POWERS
PLOT NAME :
PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

LEGEND

COLORED CONCRETE CUSTOM

BEGIN CONSTRUCTION
STA 109+35.00
MATCH EXISTING
SAWCUT REQ'D

CONCRETE CURB & GUTTER
30-INCH TYPE D (TYP)

18.0' 18.0' 6.5' 5.0'

STA 109+50.89
END HMA PAVEMENT
BEGIN CONCRETE PAVEMENT

SLOPE INTERCEPT (TYP)

RR SS TT UU

1092.560 1092.650 1092.750 1092.824 1092.850 1092.630 1092.770

EXISTING R/W

STA 1303+04.1 LT
CONSTRUCT 20' WIDE CE
TYPE 2
SAWCUT REQ'D

SAWCUT REQ'D

+68.57
-42.50'LT

CONCRETE STEPS
SEE DETAIL

BALSAM STREET

ALLEY

HSE

ALLEY CATS

SHED

GAR

A/C

SIGN

CONC

ASPH

STA 1301+11.10 USH 63 =
STA 110+00.00 BALSAM STREET

STA 1301+10.92 USH 63 =
STA 110+00.00 BALSAM STREET

1301+00 1302+00 1303+00 1100+00 1091+00

USH 63

22.0' 3.0' 5.0'

+32.41 37.50'RT
+60.77 37.50'RT
+70.31 39.50'RT
+78.49 39.50'RT
+59.57 37.50'RT
+77.82 37.50'RT

12.0'

CONCRETE CURB & GUTTER
30-INCH TYPE D (TYP)

STA 110+54.7 RT
CONSTRUCT 30' WIDE CE
TYPE 2
SAWCUT REQ'D

STA 110+49.10
END CONCRETE PAVEMENT
BEGIN HMA PAVEMENT

END CONSTRUCTION
STA 110+70.00
MATCH EXISTING
SAWCUT REQ'D

TLE (TYP)

R/W (TYP)

CONCRETE CURB & GUTTER
30-INCH TYPE A (TYP)

STA 1303+04.1 RT
CONSTRUCT 20' WIDE CE
TYPE 2
SAWCUT REQ'D

STATION & OFFSET TABLE

POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
RR	1300+65.97	49.000 LT	109+50.89	45.000 RT	571000.64	742219.03	27.0'
SS	1301+55.97	49.000 LT	109+51.12	45.000 LT	571081.36	742258.83	27.0'
TT	1300+66.02	49.000 RT	110+48.90	45.000 RT	570957.34	742306.94	27.0'
UU	1301+56.02	49.000 RT	110+49.10	45.000 LT	571038.06	742346.74	27.0'

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	INTERSECTION DETAIL - BALSAM STREET	SHEET 39	E

2

BEGIN CONSTRUCTION
STA 119+25.18
MATCH EXISTING
SAWCUT REQ'D

STA 119+48.37
END HMA PAVEMENT
BEGIN CONCRETE PAVEMENT

EXISTING R/W

CONCRETE CURB & GUTTER
30-INCH TYPE D (TYP)

SLOPE INTERCEPT (TYP)

R/W (TYP)

VV

WW

KKK

1092.170

1092.240

1092.270

1092.380

1092.026

1091.920

1092.207

CONCRETE CURB & GUTTER
30-INCH TYPE D (TYP)

CONCRETE MEDIAN
SLOPED NOSE TYPE 1

+56.24
-19.00'LT

+64.82
-19.00'LT

+69.82
-12.00'LT

+18.85
-3.37'LT
1091.519

1092.143

1092.284

STA 1304+97.17 USH 63 =
STA 120+00.00 POPLAR STREET

1306+00

1307+00

1305+00

1091.519

+69.82
12.00'RT

CONCRETE MEDIAN
SLOPED NOSE TYPE 1

1092.310

1092.199

1092.067

+64.82
19.00'RT

+40.2

1091.950

USH 63

STA 1304+96.94 USH 63 =
STA 120+00.00 POPLAR STREET

1092.380

1092.190

1092.046

NNN
OOO

MMM

REVERSE GUTTER PAN

+46.29
37.50'RT

+55.83
40.50'RT

+70.88
40.50'RT

SAWCUT REQ'D

XX

1092.090

1092.170

TLE (TYP)

YY

LLL

STA 1306+18.6 RT
CONSTRUCT 20' WIDE CE
TYPE 2
SAWCUT REQ'D

STA 120+48.83
END CONCRETE PAVEMENT
BEGIN HMA PAVEMENT

CONCRETE CURB & GUTTER
30-INCH TYPE D

END CONSTRUCTION
STA 120+73.83
MATCH EXISTING
SAWCUT REQ'D

HSE

ASPH

RIPRAP

15" CMP

SIGN BASE

LEGEND

COLORED CONCRETE
CUSTOM

STATION & OFFSET TABLE							
POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
KKK	1305+59.42	53.000 LT	119+44.46	60.000 LT	571444.12	742430.10	60.0'
LLL	1305+55.10	53.000 RT	120+50.91	60.000 LT	571397.42	742525.36	60.0'
MMM	1306+00.58	27.640 RT			571449.27	742520.49	8.0'
NNN	1306+36.71	25.232 RT			571483.30	742532.86	8.0'
OOO	1306+34.71	26.885 RT			571480.81	742533.56	6.0'
VV	1304+52.09	49.000 LT	119+51.12	44.994 RT	571346.95	742389.78	27.0'
WW	1305+44.24	49.000 LT	119+49.09	45.006 LT	571428.63	742427.64	27.0'
XX	1304+52.30	49.000 RT	120+48.83	45.000 RT	571303.80	742477.77	27.0'
YY	1305+40.23	49.000 RT	120+47.44	45.000 LT	571385.43	742515.70	27.0'

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	INTERSECTION DETAIL - POPLAR STREET	SHEET 40	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\021101 ID.DWG
LAYOUT NAME - 13

PLOT DATE : 7/28/2021 8:05 AM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:20 FT

STATION & OFFSET TABLE							
POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
PPP	1307+20.98	25.000 RT			571560.51	742566.63	8.0'
QQQ	1307+22.00	26.168 RT			571560.97	742568.11	7.0'
RRR	1307+71.98	25.000 RT			571607.19	742587.20	8.0'
SSS	1308+75.64	46.437 RT	0+00.00	0.000	571693.39	742648.62	20.0'
TTT	1309+53.30	44.249 RT	0+00.00	0.000	571765.34	742677.93	20.0'
UUU	1308+73.73	47.000 LT	129+53.00	42.500 RT	571729.33	742562.35	25.0'
VVV	1309+68.73	57.000 LT	129+43.00	52.500 LT	571820.29	742591.51	35.0'
WWW	1308+78.72	86.721 LT	129+13.04	37.505 RT	571749.91	742528.01	20.0'

LEGEND

COLORED CONCRETE CUSTOM

MATCH EXISTING

WWW

129+00

3.0'

17.5'

17.5'

3.0'

NEW ROAD

VVV

UUU

N

1310+00

1309+00

1308+00

130+00

12.0'

12.0'

USH 63

PPP

QQQ

RRR

ASPH

OH

G

GUY

SSS

36" CMP

EXISTING R/W

STA 1307+46.5 RT
CONSTRUCT 35' WIDE CE
TYPE 2
SAWCUT REQ'D

SLOPE INTERCEPT (TYP)

STA 1309+16.2 RT
CONSTRUCT 46' WIDE CE
TYPE 2
SAWCUT REQ'D

STA 1309+16.24 USH 63 =
STA 130+00.00 NEW ROAD
SEE INTERSECTION DETAIL

SEE ENERGY DISSIPATER DETAILS

TTT

1080

1075

1075

1080

2

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	INTERSECTION DETAIL - NEW ROAD	SHEET 41	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\021101 ID.DWG
LAYOUT NAME - 14

PLOT DATE : 7/28/2021 8:06 AM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

2

GENERAL CONSTRUCTION NOTES:

SLOPE ARROWS DO NOT DENOTE THE DIRECTION OF WATER FLOW RATHER THEY SHOW THE DIRECTION THAT THE ARROWS WERE DRAWN. NEGATIVE (-) VALUES DENOTE DOWNWARD SLOPE, POSITIVE (+) VALUES DENOTE UPWARD SLOPES.

DETECTABLE WARNING ARE 2 FT WIDE AND 5 FT LONG.

CONTRACTOR TO FIELD VERIFY ELEVATIONS, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.

THE ENGINEER MUST ADJUST CURB RAMP ELEVATIONS TO FIT FIELD CONDITIONS WITHIN THE REQUIREMENTS OF THE STANDARD DETAILS.

SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

ALL STATION AND OFFSET INFORMATION REFERENCE USH 63 R/L.

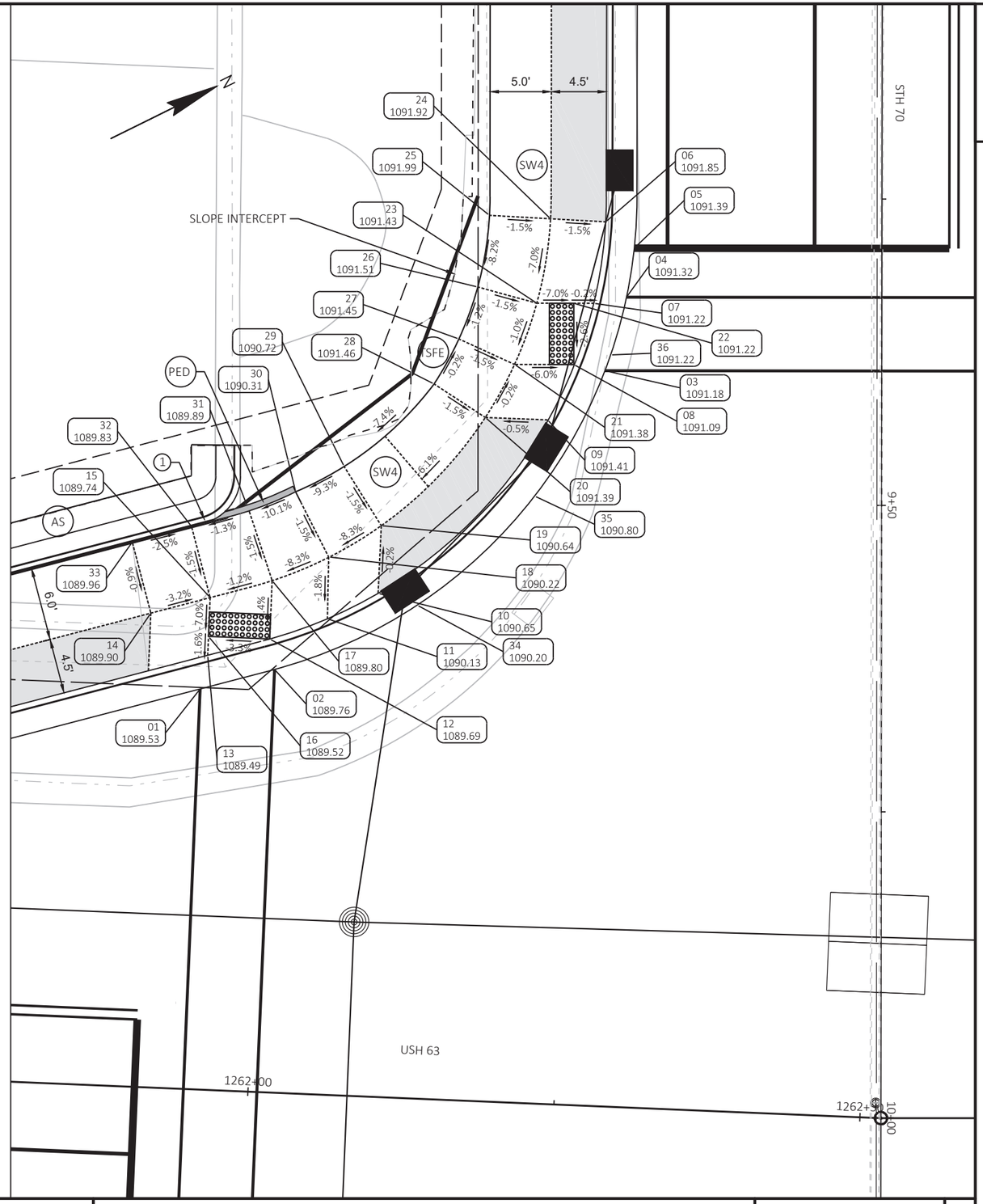
DASHED LINES REPRESENT JOINT LOCATIONS. THE ENGINEER MAY ADJUST LOCATIONS TO FIT FIELD CONDITIONS WITHIN THE REQUIREMENTS OF THE STANDARD DETAILS.

THE EXISTING TOPOGRAPHIC BASEMAP USED FOR DESIGN WAS CREATED BY FLOWN AND PHOTOGRAMMETRY METHODS. DUE TO ALLOWABLE TOLERANCES WITH FLOWN DATA, THE CONTRACTOR SHALL DETERMINE AND MAKE ADJUSTMENTS TO THE PROPOSED IMPROVEMENTS SHOWN IN THE PLANS TO FIT ACTUAL FIELD CONDITIONS.

NOTE:

(1) UTILIZE BACK OF 24" CURB AND GUTTER THRU RAMP TRANSITION FOR CONCRETE CURB PEDESTRIAN.

STH 70 NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
01	1261+94.73	32.67' LT	1089.53	567523.59	740520.24
02	1262+00.73	34.51' LT	1089.76	567529.74	740521.50
03	1262+26.65	60.00' LT	1091.18	567564.70	740511.56
04	1262+28.16	66.06' LT	1091.32	567568.94	740506.96
05	1262+28.62	70.09' LT	1091.39	567571.27	740503.65
06	1262+26.20	72.13' LT	1091.85	567570.13	740500.69
07	1262+25.51	65.46' LT	1091.22	567566.32	740506.22
08	1262+24.10	60.39' LT	1091.09	567562.65	740509.99
09	1262+22.14	55.79' LT	1091.41	567558.73	740513.09
10	1262+08.91	41.07' LT	1090.65	567540.07	740519.67
11	1262+04.87	38.82' LT	1090.13	567535.44	740519.70
12	1262+00.23	36.97' LT	1089.69	567530.48	740519.10
13	1261+95.23	35.44' LT	1089.49	567525.36	740518.05
14	1261+90.45	38.68' LT	1089.90	567522.71	740512.91
15	1261+95.23	40.14' LT	1089.74	567527.61	740513.92
16	1261+95.23	36.98' LT	1089.52	567526.09	740516.70
17	1262+00.23	41.74' LT	1089.80	567532.76	740514.92
18	1262+04.76	43.86' LT	1090.22	567537.76	740515.23
19	1262+08.94	46.59' LT	1090.64	567542.74	740514.83
20	1262+17.06	55.77' LT	1091.39	567554.26	740510.67
21	1262+19.26	60.20' LT	1091.38	567558.32	740507.84
22	1262+23.89	65.39' LT	1091.22	567564.87	740505.50
23	1262+20.87	65.27' LT	1091.43	567562.16	740504.16
24	1262+21.70	72.20' LT	1091.92	567566.21	740498.48
25	1262+16.70	72.27' LT	1091.99	567561.86	740496.02
26	1262+16.00	66.39' LT	1091.51	567558.42	740500.84
27	1262+14.63	62.08' LT	1091.45	567555.16	740503.97
28	1262+12.76	58.33' LT	1091.46	567551.72	740506.36
29	1262+05.71	51.30' LT	1090.72	567542.15	740509.16
30	1262+01.85	49.07' LT	1090.31	567537.70	740509.26
31	1261+98.11	47.35' LT	1089.89	567533.60	740508.98
32	1261+93.47	45.88' LT	1089.83	567528.82	740508.04
33	1261+88.69	44.42' LT	1089.96	567523.92	740507.04
34	1262+12.14	40.24' LT	1090.20	567542.50	740521.94
35	1262+21.35	49.54' LT	1090.80	567555.03	740518.20
36	1262+27.06	61.31' LT	1091.22	567565.69	740510.61



LEGEND

XX XXXX.XX	POINT NUMBER/ELEVATION
TSFE	TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EROSION MAT URBAN CLASS TYPE A
PED	CONCRETE CURB PEDESTRIAN
CP6	CONCRETE PAVEMENT 6-INCH
AS	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
SW4	CONCRETE SIDEWALK 4-INCH
	CONCRETE SIDEWALK 4-INCH AND COLORED CONCRETE CUSTOM

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CURB RAMP DETAIL - STH 70 SW	SHEET 42	E

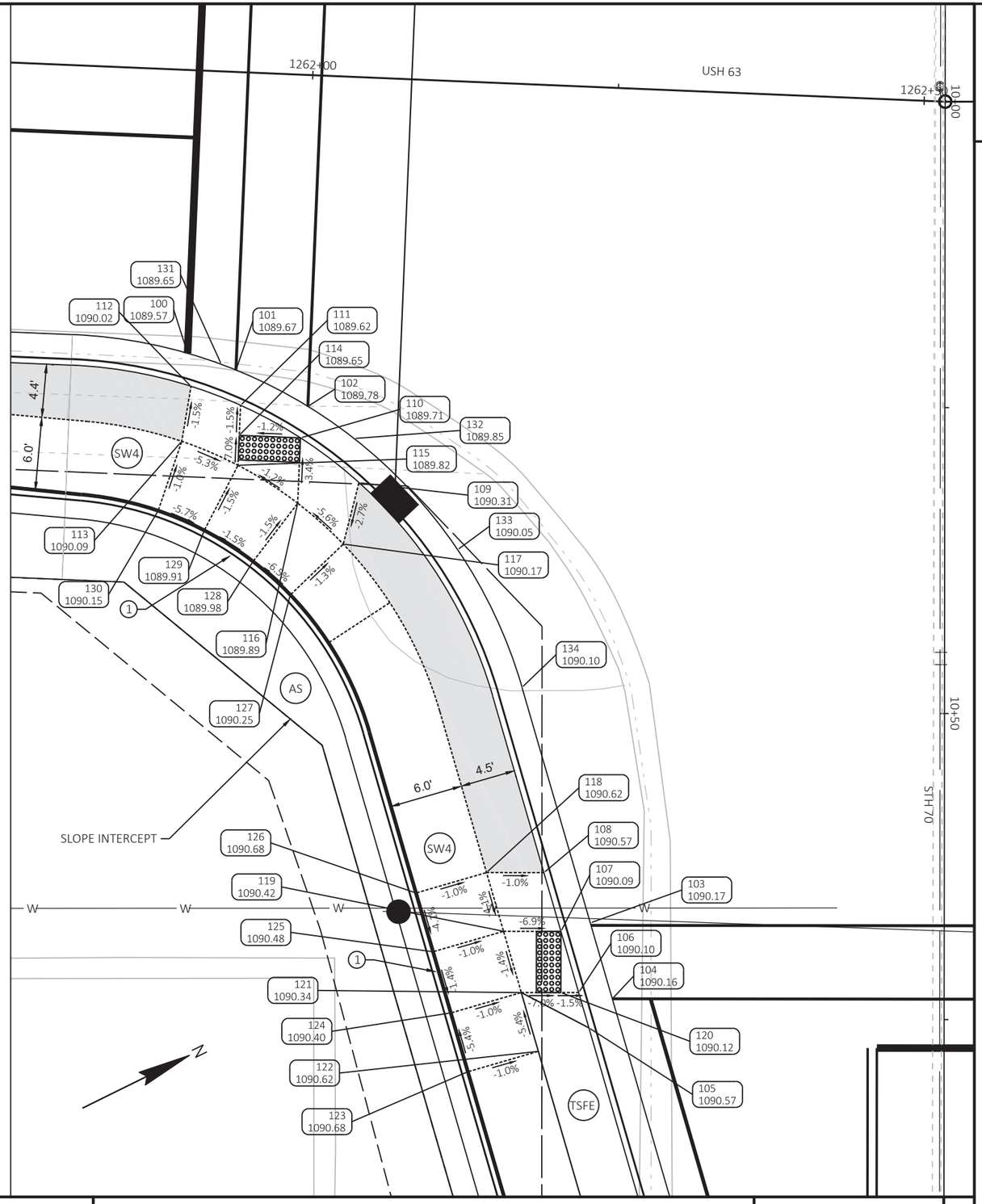
NOTE:

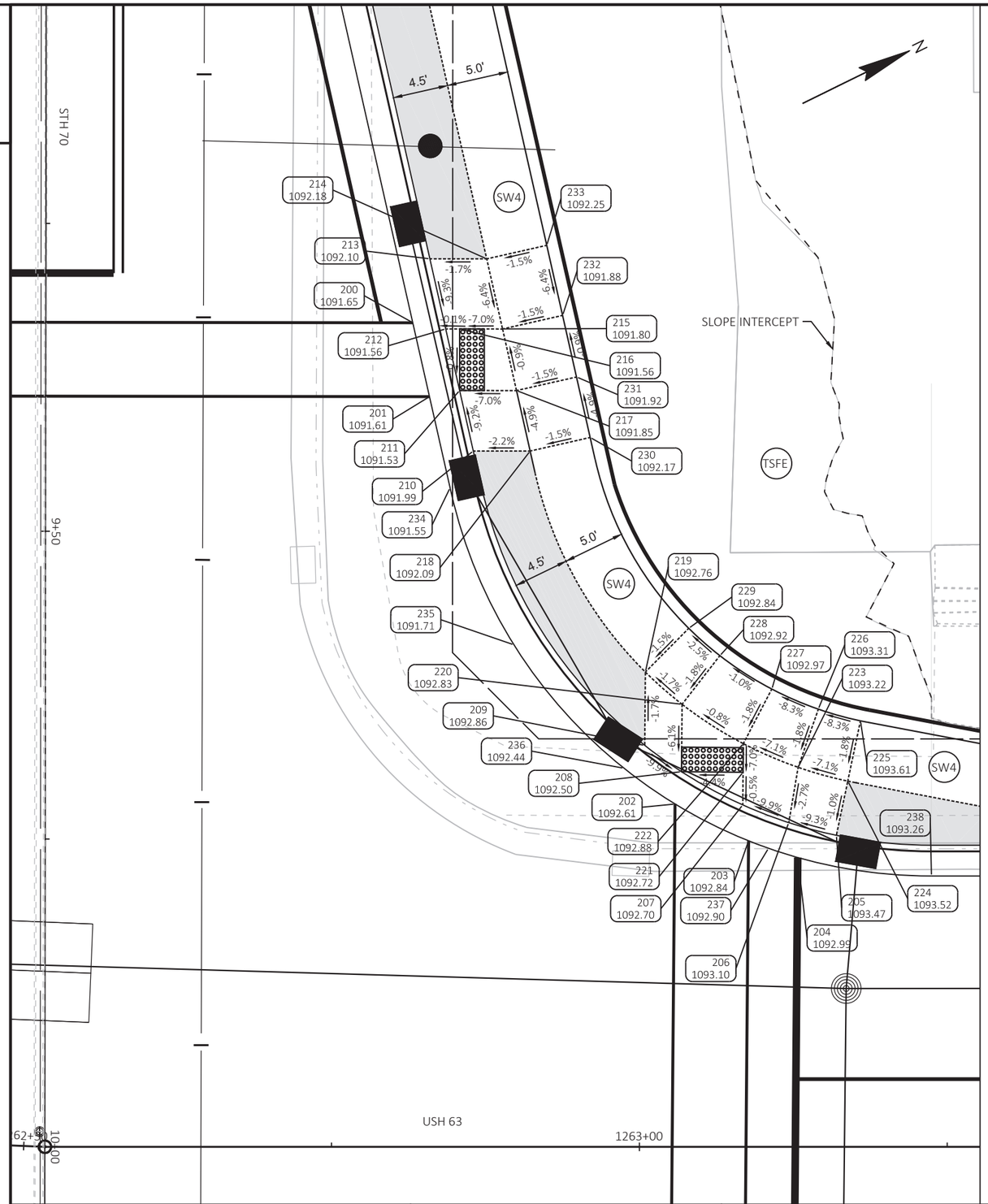
(1) UTILIZE BACK OF 24" CURB AND GUTTER THRU RAMP TRANSITION FOR CONCRETE CURB PEDESTRIAN.

STH 70 NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
100	1261+90.73	23.14' RT	1089.57	567493.33	740567.30
101	1261+94.73	24.34' RT	1089.67	567496.26	740570.27
102	1262+00.73	27.06' RT	1089.78	567500.22	740575.54
103	1262+25.55	68.26' RT	1090.17	567502.26	740623.59
104	1262+27.61	74.38' RT	1090.16	567501.13	740629.95
105	1262+25.80	76.83' RT	1090.57	567498.36	740631.23
106	1262+24.84	73.99' RT	1090.10	567498.89	740628.28
107	1262+23.18	69.05' RT	1090.09	567499.80	740623.15
108	1262+21.59	64.32' RT	1090.57	567500.67	740618.23
109	1262+05.16	33.11' RT	1090.31	567501.21	740582.97
110	1262+00.23	29.65' RT	1089.71	567498.54	740577.57
111	1261+95.23	27.20' RT	1089.62	567495.33	740573.02
112	1261+91.12	25.82' RT	1090.02	567492.38	740569.84
113	1261+90.55	30.34' RT	1090.09	567489.72	740573.53
114	1261+95.23	29.65' RT	1089.65	567494.15	740575.18
115	1261+95.23	32.10' RT	1089.82	567492.98	740577.33
116	1262+00.23	35.00' RT	1089.89	567495.98	740582.27
117	1262+04.09	38.18' RT	1090.17	567497.84	740586.90
118	1262+16.91	64.50' RT	1090.62	567496.47	740616.15
119	1262+18.50	69.24' RT	1090.42	567495.60	740621.07
120	1262+23.39	74.05' RT	1090.12	567497.58	740627.63
121	1262+20.16	74.18' RT	1090.34	567494.69	740626.20
122	1262+21.75	78.92' RT	1090.62	567493.81	740631.12
123	1262+16.06	80.83' RT	1090.68	567487.90	740630.07
124	1262+14.47	76.09' RT	1090.40	567488.78	740625.15
125	1262+12.81	71.15' RT	1090.48	567489.69	740620.02
126	1262+11.22	66.41' RT	1090.68	567490.57	740615.10
127	1261+99.94	42.51' RT	1090.25	567492.12	740588.72
128	1261+96.78	39.91' RT	1089.98	567490.60	740584.92
129	1261+92.69	37.54' RT	1089.91	567488.14	740580.88
130	1261+88.86	36.09' RT	1090.15	567485.48	740577.78
131	1261+93.52	23.93' RT	1089.65	567495.40	740569.33
132	1262+04.61	29.53' RT	1089.85	567502.45	740579.56
133	1262+13.44	38.25' RT	1090.05	567506.01	740591.45
134	1262+19.17	49.26' RT	1090.10	567505.77	740603.86

LEGEND

XX XXXX.XX	POINT NUMBER/ELEVATION
TSFE	TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EROSION MAT URBAN CLASS TYPE A
PED	CONCRETE CURB PEDESTRIAN
CP6	CONCRETE PAVEMENT 6-INCH
AS	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
SW4	CONCRETE SIDEWALK 4-INCH
	CONCRETE SIDEWALK 4-INCH AND COLORED CONCRETE CUSTOM





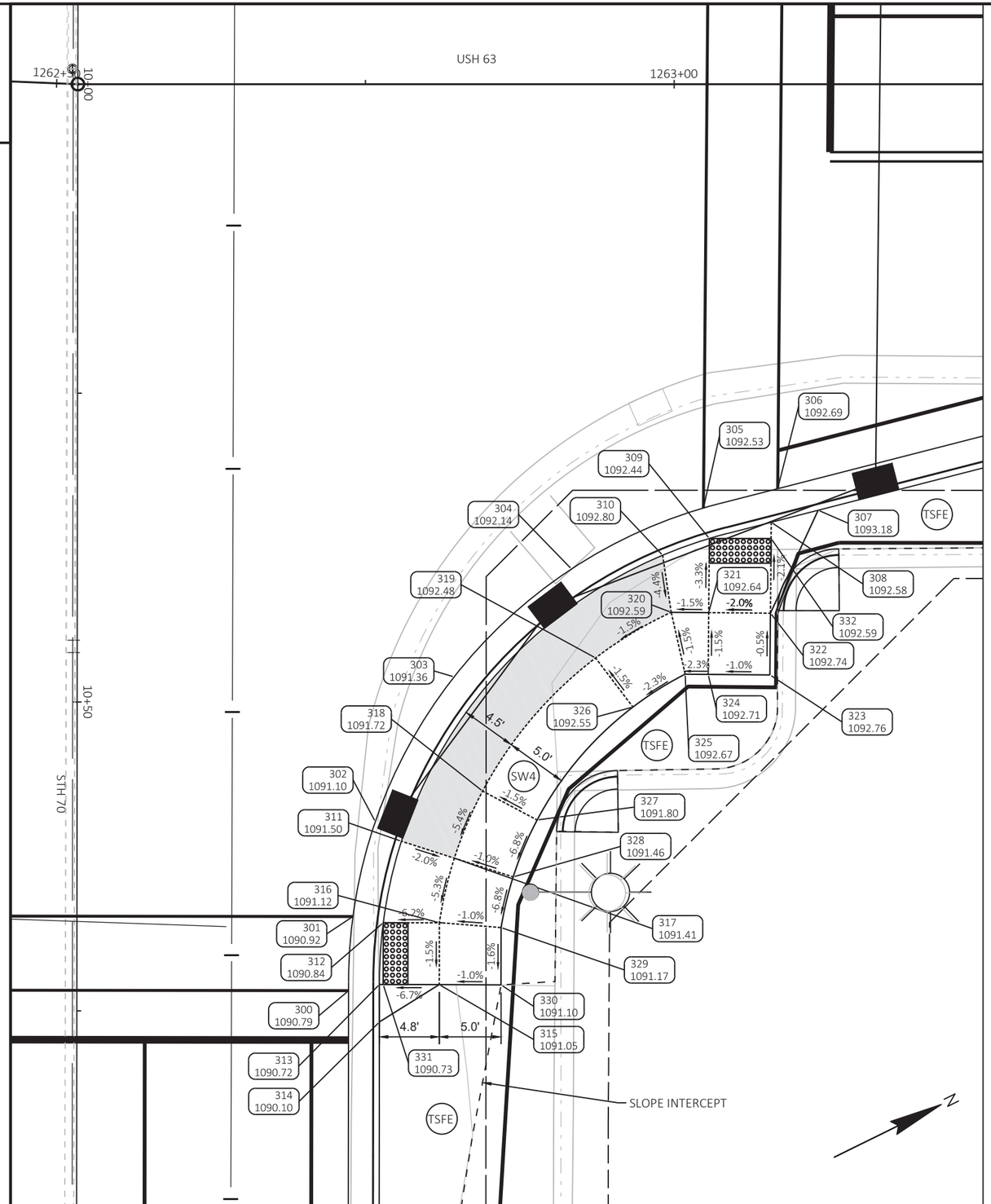
STH 70 NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
200	1262+81.60	66.93' LT	1091.65	567614.34	740529.41
201	1262+82.95	60.93' LT	1091.61	567612.90	740535.39
202	1263+02.90	27.85' LT	1092.61	567616.16	740573.89
203	1263+08.87	24.86' LT	1092.84	567620.20	740579.21
204	1263+12.86	23.50' LT	1092.99	567623.18	740582.19
205	1263+16.00	25.30' LT	1093.47	567626.79	740581.96
206	1263+12.13	26.34' LT	1093.10	567623.77	740579.33
207	1263+08.40	27.77' LT	1092.70	567621.06	740576.39
208	1263+03.42	30.47' LT	1092.50	567617.79	740571.77
209	1263+00.44	32.60' LT	1092.86	567616.06	740568.53
210	1262+86.51	56.52' LT	1091.99	567614.14	740540.93
211	1262+85.40	61.43' LT	1091.53	567615.32	740536.03
212	1262+84.27	66.43' LT	1091.56	567616.52	740531.05
213	1262+82.99	72.12' LT	1092.10	567617.88	740525.37
214	1262+87.60	72.12' LT	1092.18	567622.02	740527.42
215	1262+88.89	66.43' LT	1091.80	567620.65	740533.09
216	1262+85.47	66.41' LT	1091.56	567617.58	740531.60
217	1262+90.02	61.42' LT	1091.85	567619.46	740538.08
218	1262+91.13	56.51' LT	1092.09	567618.28	740542.97
219	1263+00.49	38.56' LT	1092.76	567618.74	740563.21
220	1263+03.47	35.95' LT	1092.83	567620.25	740566.88
221	1263+08.42	30.43' LT	1092.72	567622.25	740574.02
222	1263+08.44	32.75' LT	1092.88	567623.30	740571.94
223	1263+12.89	30.83' LT	1093.22	567626.44	740575.64
224	1263+16.92	29.71' LT	1093.52	567629.56	740578.42
225	1263+17.95	34.60' LT	1093.61	567632.65	740574.49
226	1263+14.53	35.55' LT	1093.31	567630.00	740572.12
227	1263+10.75	37.18' LT	1092.97	567627.34	740568.99
228	1263+06.54	39.89' LT	1092.92	567624.75	740564.69
229	1263+04.01	42.11' LT	1092.84	567623.46	740561.58
230	1262+96.00	57.61' LT	1092.17	567623.14	740544.14
231	1262+94.89	62.53' LT	1091.92	567624.32	740539.24
232	1262+93.76	67.53' LT	1091.88	567625.52	740534.26
233	1262+92.48	73.22' LT	1092.25	567626.88	740528.58
234	1262+84.63	53.53' LT	1091.55	567611.13	740542.77
235	1262+89.82	40.77' LT	1091.71	567610.14	740556.51
236	1262+98.74	30.76' LT	1092.44	567613.72	740569.44
237	1263+10.49	24.25' LT	1092.90	567621.38	740580.47
238	1263+23.72	22.00' LT	1093.26	567632.25	740588.34

LEGEND

- XX / XXXX.XX — POINT NUMBER/ELEVATION
- TSFE — TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EROSION MAT URBAN CLASS TYPE A
- PED — CONCRETE CURB PEDESTRIAN
- CP6 — CONCRETE PAVEMENT 6-INCH
- AS — ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
- SW4 — CONCRETE SIDEWALK 4-INCH
- CONCRETE SIDEWALK 4-INCH AND COLORED CONCRETE CUSTOM

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CURB RAMP DETAIL - STH 70 NW	SHEET 44	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\023101 CR.DWG
LAYOUT NAME - STH 70 NW
PLOT DATE : 8/24/2021 1:53 PM
PLOT BY : ANNIE JEROME
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



STH 70 NE (1)					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
300	1262+73.63	73.37' RT	1090.79	567545.16	740651.72
301	1262+73.99	67.37' RT	1090.92	567548.13	740646.50
302	1262+75.80	59.69' RT	1091.10	567553.15	740640.42
303	1262+82.19	47.97' RT	1091.36	567564.06	740632.73
304	1262+91.69	39.24' RT	1092.14	567576.44	740629.10
305	1263+02.37	34.31' RT	1092.53	567588.20	740629.40
306	1263+08.38	32.74' RT	1092.69	567594.29	740630.65
307	1263+11.66	34.48' RT	1093.18	567596.46	740633.66
308	1263+07.86	35.45' RT	1092.58	567592.62	740632.85
309	1263+02.85	36.77' RT	1092.44	567587.54	740631.82
310	1262+99.07	38.13' RT	1092.80	567583.55	740631.37
311	1262+77.91	61.27' RT	1091.50	567554.34	740642.77
312	1262+76.44	67.87' RT	1090.84	567550.11	740648.04
313	1262+76.13	72.87' RT	1090.72	567547.62	740652.38
314	1262+76.13	75.90' RT	1090.10	567546.27	740655.10
315	1262+80.98	72.87' RT	1091.05	567551.96	740654.53
316	1262+80.99	67.87' RT	1091.12	567554.18	740650.05
317	1262+82.20	62.64' RT	1091.41	567557.58	740645.89
318	1262+84.49	57.21' RT	1091.72	567562.03	740642.03
319	1262+93.63	46.44' RT	1092.48	567575.00	740636.41
320	1262+99.76	42.74' RT	1092.59	567582.13	740635.81
321	1263+02.80	42.77' RT	1092.64	567584.84	740637.18
322	1263+07.80	42.81' RT	1092.74	567589.31	740639.43
323	1263+07.75	47.81' RT	1092.76	567587.06	740643.89
324	1263+02.75	47.77' RT	1092.71	567582.59	740641.64
325	1263+00.89	47.75' RT	1092.67	567580.93	740640.80
326	1262+96.66	50.41' RT	1092.55	567575.96	740641.32
327	1262+88.90	59.55' RT	1091.80	567564.96	740646.09
328	1262+86.96	64.16' RT	1091.46	567561.18	740649.36
329	1262+85.99	68.26' RT	1091.17	567558.49	740652.61
330	1262+85.98	72.90' RT	1091.10	567556.44	740656.77
331	1262+76.44	72.87' RT	1090.73	567547.89	740652.52
332	1263+07.85	36.77' RT	1092.59	567592.02	740634.03

LEGEND

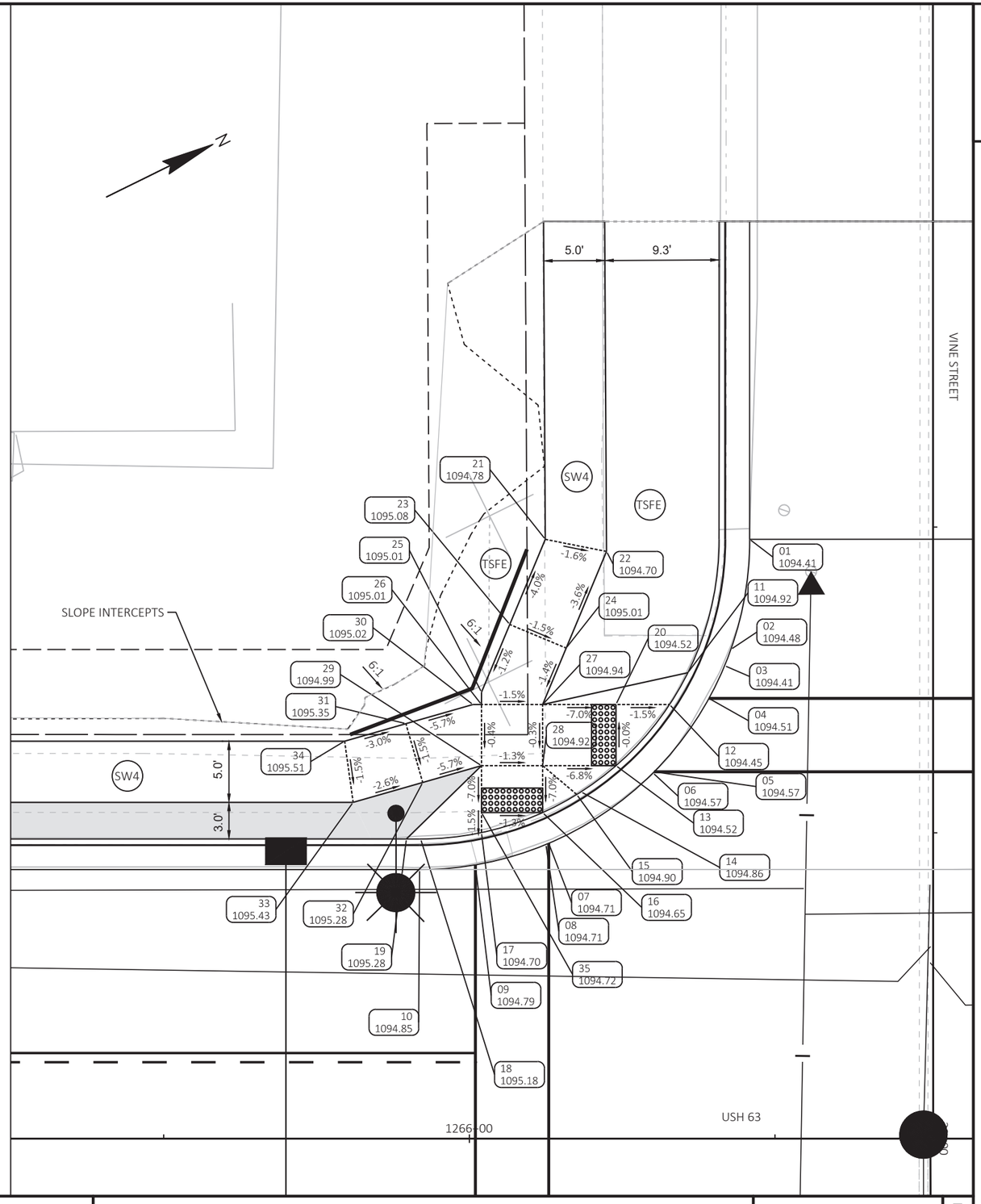
- XX / XXXX.XX — POINT NUMBER/ELEVATION
- TSFE — TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EROSION MAT URBAN CLASS TYPE A
- PED — CONCRETE CURB PEDESTRIAN
- CP6 — CONCRETE PAVEMENT 6-INCH
- AS — ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
- SW4 — CONCRETE SIDEWALK 4-INCH
- CONCRETE SIDEWALK 4-INCH AND COLORED CONCRETE CUSTOM

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CURB RAMP DETAIL - STH 70 NE	SHEET 45	E

SW VINE ST (1)					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
01	1266+22.93	49.01' LT	1094.41	567912.56	740696.43
02	1266+21.38	40.00' LT	1094.48	567907.19	740703.83
03	1266+20.87	38.67' LT	1094.41	567906.14	740704.80
04	1266+19.59	36.00' LT	1094.51	567903.81	740706.62
05	1266+15.11	30.00' LT	1094.57	567897.14	740710.02
06	1266+15.02	29.91' LT	1094.57	567897.02	740710.07
07	1266+06.49	24.15' LT	1094.71	567886.82	740711.46
08	1266+06.26	24.06' LT	1094.71	567886.57	740711.44
09	1266+00.49	22.39' LT	1094.79	567880.66	740710.39
10	1265+95.93	22.00' LT	1094.85	567876.40	740708.72
11	1266+17.87	38.10' LT	1094.92	567903.20	740703.98
12	1266+16.37	35.50' LT	1094.45	567900.70	740705.65
13	1266+11.99	30.50' LT	1094.52	567894.56	740708.20
14	1266+09.13	28.36' LT	1094.86	567891.05	740708.85
15	1266+08.78	28.14' LT	1094.90	567890.64	740708.89
16	1266+05.99	26.66' LT	1094.65	567887.48	740708.98
17	1266+00.99	25.03' LT	1094.70	567882.28	740708.24
18	1265+96.02	24.50' LT	1095.18	567877.58	740706.51
19	1265+94.85	24.51' LT	1095.28	567876.54	740705.99
20	1266+11.99	35.50' LT	1094.52	567896.77	740703.71
21	1266+06.21	49.00' LT	1094.78	567897.56	740689.04
22	1266+11.22	48.01' LT	1094.70	567901.61	740692.14
23	1266+03.30	42.04' LT	1095.08	567891.87	740694.00
24	1266+07.92	40.11' LT	1095.01	567895.16	740697.77
25	1266+00.99	36.50' LT	1095.01	567887.35	740697.95
26	1266+00.99	35.50' LT	1095.01	567886.91	740698.85
27	1266+05.99	35.50' LT	1094.94	567891.39	740701.06
28	1266+05.99	30.50' LT	1094.92	567889.18	740705.54
29	1266+00.99	30.50' LT	1094.99	567884.70	740703.33
30	1266+00.29	35.50' LT	1095.02	567886.28	740698.54
31	1265+94.81	33.93' LT	1095.35	567880.67	740697.52
32	1265+96.18	29.13' LT	1095.28	567879.78	740702.44
33	1265+90.50	27.50' LT	1095.43	567873.96	740701.38
34	1265+89.80	32.50' LT	1095.51	567875.54	740696.59
35	1266+00.99	26.66' LT	1094.72	567883.00	740706.77

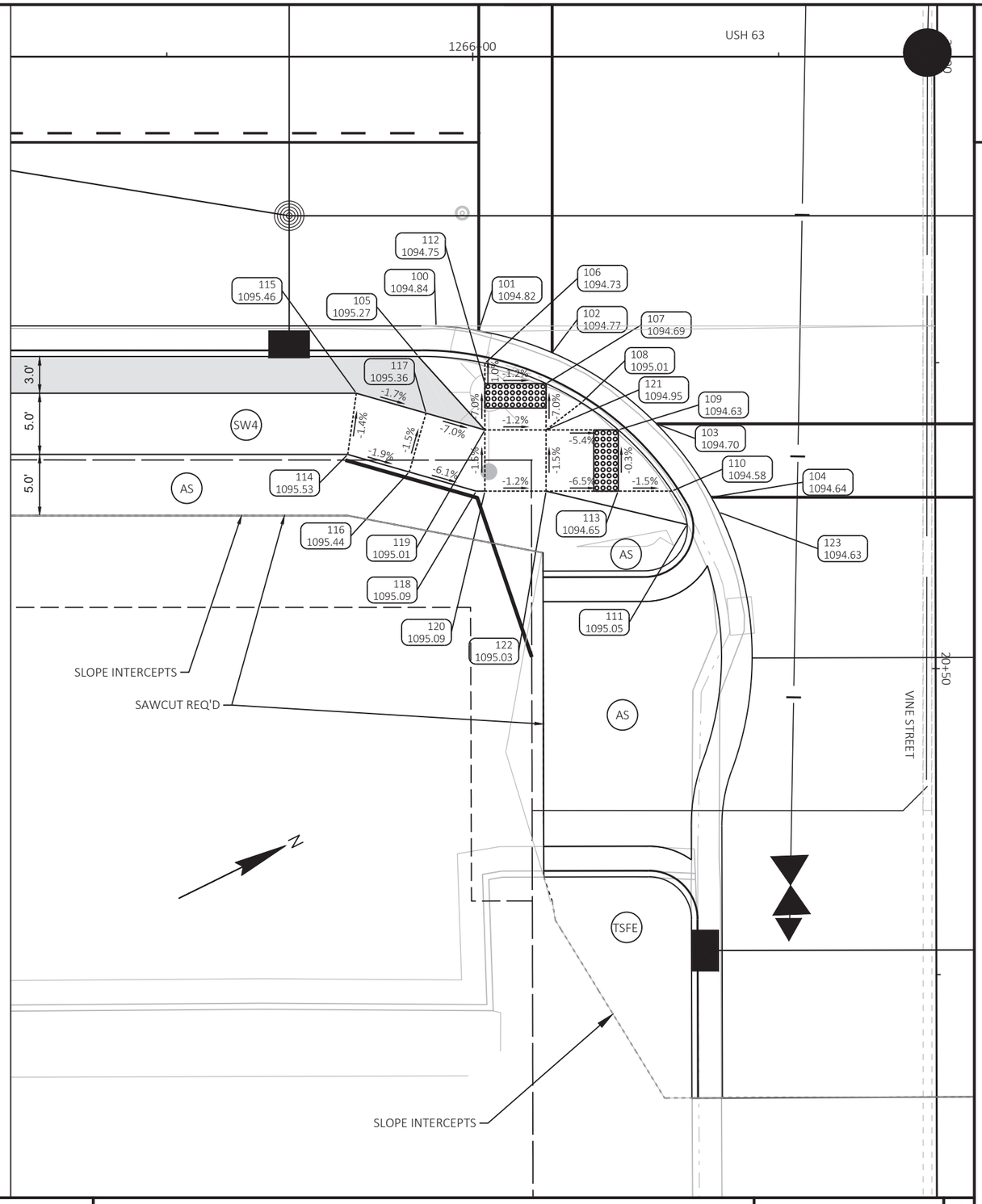
LEGEND

XX XXXX.XX	POINT NUMBER/ELEVATION
TSFE	TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EROSION MAT URBAN CLASS TYPE A
PED	CONCRETE CURB PEDESTRIAN
CP6	CONCRETE PAVEMENT 6-INCH
AS	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
SW4	CONCRETE SIDEWALK 4-INCH
	CONCRETE SIDEWALK 4-INCH AND COLORED CONCRETE CUSTOM



PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CURB RAMP DETAIL - VINE STREET SW	SHEET 46	E

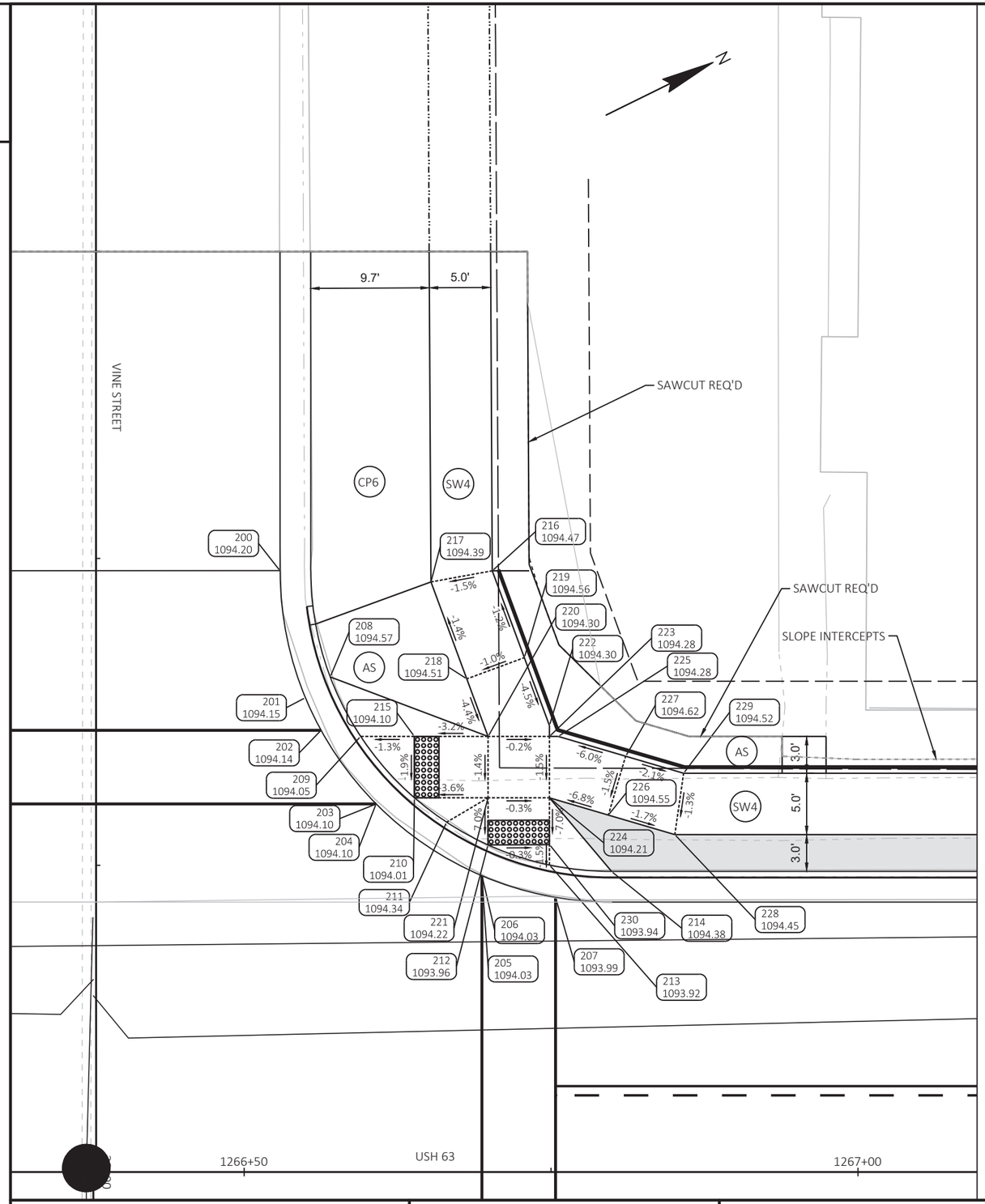
VINE ST SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
100	1265+97.00	22.03' RT	1094.84	567857.89	740748.68
101	1266+00.49	22.41' RT	1094.82	567860.85	740750.56
102	1266+06.49	24.20' RT	1094.77	567865.44	740754.82
103	1266+15.01	30.00' RT	1094.70	567870.51	740763.79
104	1266+19.49	36.00' RT	1094.64	567871.88	740771.16
105	1265+95.56	24.50' RT	1095.27	567855.50	740750.26
106	1266+00.99	25.05' RT	1094.73	567860.13	740753.15
107	1266+05.99	26.71' RT	1094.69	567863.88	740756.85
108	1266+08.88	28.27' RT	1095.01	567865.78	740759.53
109	1266+11.89	30.50' RT	1094.63	567867.49	740762.86
110	1266+16.27	35.50' RT	1094.58	567869.21	740769.28
111	1266+17.51	38.23' RT	1095.05	567869.11	740772.28
112	1266+00.99	26.71' RT	1094.75	567859.40	740754.64
113	1266+11.89	35.50' RT	1094.65	567865.28	740767.34
114	1265+89.79	32.50' RT	1095.53	567846.79	740754.88
115	1265+90.49	27.50' RT	1095.46	567849.62	740750.71
116	1265+94.81	33.93' RT	1095.44	567850.66	740758.39
117	1265+96.18	29.13' RT	1095.36	567854.01	740754.68
118	1266+00.29	35.50' RT	1095.09	567854.88	740762.22
119	1266+00.99	30.50' RT	1095.01	567857.72	740758.04
120	1266+00.99	35.50' RT	1095.09	567855.51	740762.53
121	1266+05.99	30.50' RT	1094.95	567862.20	740760.25
122	1266+05.99	35.50' RT	1095.03	567859.99	740764.74
123	1266+20.12	37.23' RT	1094.63	567871.90	740772.53



LEGEND

XX XXXX.XX	POINT NUMBER/ELEVATION
TSFE	TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EROSION MAT URBAN CLASS TYPE A
PED	CONCRETE CURB PEDESTRIAN
CP6	CONCRETE PAVEMENT 6-INCH
AS	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
SW4	CONCRETE SIDEWALK 4-INCH
	CONCRETE SIDEWALK 4-INCH AND COLORED CONCRETE CUSTOM

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CURB RAMP DETAIL - VINE STREET SE	SHEET 47	E

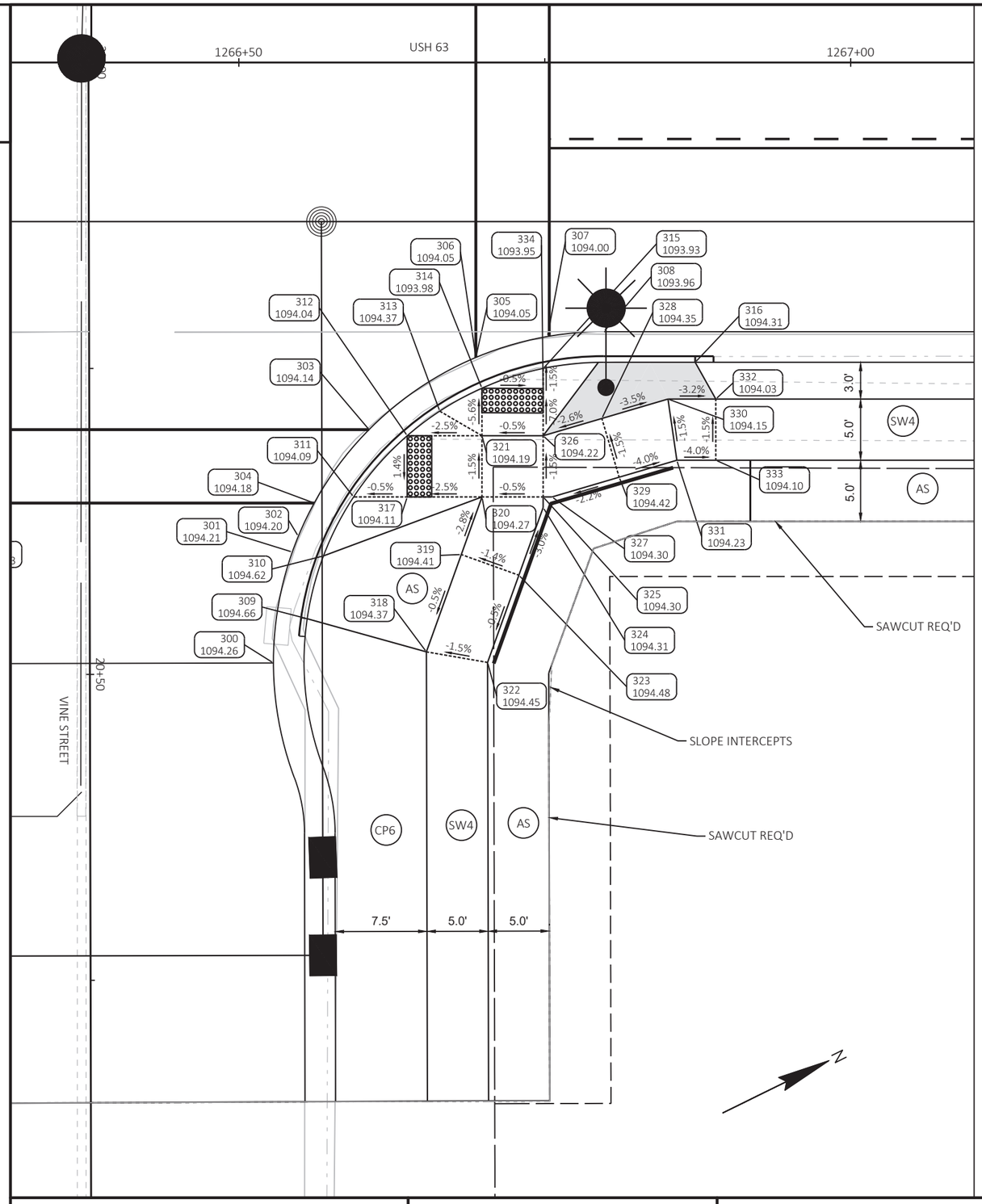


VINE ST NW (1)					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
200	1266+52.93	48.99' LT	1094.20	567939.45	740709.72
201	1266+54.99	38.66' LT	1094.15	567936.73	740719.89
202	1266+56.26	36.00' LT	1094.14	567936.70	740722.84
203	1266+60.75	30.00' LT	1094.10	567938.07	740730.20
204	1266+60.75	30.00' LT	1094.10	567938.07	740730.20
205	1266+69.37	24.15' LT	1094.03	567943.21	740739.26
206	1266+69.37	24.15' LT	1094.03	567943.21	740739.26
207	1266+75.37	22.39' LT	1093.99	567947.82	740743.50
208	1266+57.01	40.35' LT	1094.57	567939.29	740719.27
209	1266+59.48	35.50' LT	1094.05	567939.37	740724.71
210	1266+63.87	30.50' LT	1094.01	567941.09	740731.14
211	1266+66.49	28.51' LT	1094.34	567942.57	740734.08
212	1266+69.87	26.66' LT	1093.96	567944.77	740737.23
213	1266+74.87	25.03' LT	1093.92	567948.53	740740.91
214	1266+79.93	24.50' LT	1094.38	567952.84	740743.62
215	1266+63.87	35.50' LT	1094.10	567943.30	740726.65
216	1266+70.21	49.00' LT	1094.47	567954.96	740717.35
217	1266+65.22	48.09' LT	1094.39	567950.08	740715.96
218	1266+68.13	40.19' LT	1094.51	567949.20	740724.33
219	1266+72.82	41.92' LT	1094.56	567954.17	740724.85
220	1266+69.87	35.50' LT	1094.30	567948.68	740729.30
221	1266+69.87	30.50' LT	1094.22	567946.47	740733.79
222	1266+74.87	36.39' LT	1094.30	567953.56	740730.71
223	1266+74.87	35.50' LT	1094.28	567953.17	740731.52
224	1266+74.87	30.50' LT	1094.21	567950.95	740736.00
225	1266+75.59	35.50' LT	1094.28	567953.81	740731.83
226	1266+79.66	29.09' LT	1094.55	567954.63	740739.39
227	1266+81.07	33.89' LT	1094.62	567958.02	740735.71
228	1266+85.08	27.50' LT	1094.45	567958.79	740743.21
229	1266+85.80	32.50' LT	1094.52	567961.64	740739.04
230	1266+74.87	26.69' LT	1093.94	567949.27	740739.42

LEGEND

- XX / XXXX.XX — POINT NUMBER/ELEVATION
- TSFE — TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EROSION MAT URBAN CLASS TYPE A
- PED — CONCRETE CURB PEDESTRIAN
- CP6 — CONCRETE PAVEMENT 6-INCH
- AS — ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
- SW4 — CONCRETE SIDEWALK 4-INCH
- CONCRETE SIDEWALK 4-INCH AND COLORED CONCRETE CUSTOM

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CURB RAMP DETAIL - VINE STREET NW	SHEET 48	E



VINE ST NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
300	1266+52.82	49.06' RT	1094.26	567896.00	740797.61
301	1266+54.37	40.00' RT	1094.21	567901.39	740790.17
302	1266+54.86	38.71' RT	1094.20	567902.41	740789.23
303	1266+60.64	30.00' RT	1094.14	567911.44	740783.97
304	1266+56.16	36.00' RT	1094.18	567904.77	740787.37
305	1266+69.37	24.11' RT	1094.05	567921.87	740782.55
306	1266+69.37	24.11' RT	1094.05	567921.87	740782.55
307	1266+75.21	22.40' RT	1094.00	567927.87	740783.60
308	1266+79.82	22.00' RT	1093.96	567932.18	740785.28
309	1266+55.58	45.45' RT	1094.66	567900.07	740795.59
310	1266+56.91	40.32' RT	1094.62	567903.53	740791.58
311	1266+59.38	35.50' RT	1094.09	567907.88	740788.35
312	1266+63.76	30.50' RT	1094.04	567914.02	740785.80
313	1266+66.42	28.49' RT	1094.37	567917.29	740785.18
314	1266+69.87	26.61' RT	1093.98	567921.21	740785.02
315	1266+74.87	25.01' RT	1093.93	567926.41	740785.78
316	1266+87.29	24.50' RT	1094.31	567937.77	740790.82
317	1266+63.76	35.50' RT	1094.11	567911.81	740790.29
318	1266+65.32	48.16' RT	1094.37	567907.61	740802.33
319	1266+68.18	40.21' RT	1094.41	567913.69	740796.46
320	1266+69.87	35.50' RT	1094.27	567917.28	740792.98
321	1266+69.87	30.50' RT	1094.19	567919.49	740788.50
322	1266+70.32	49.02' RT	1094.45	567911.71	740805.32
323	1266+72.88	41.90' RT	1094.48	567917.16	740800.05
324	1266+74.87	36.37' RT	1094.31	567921.38	740795.98
325	1266+74.87	35.50' RT	1094.30	567921.77	740795.20
326	1266+74.87	30.50' RT	1094.22	567923.98	740790.71
327	1266+75.59	35.50' RT	1094.30	567922.41	740795.51
328	1266+79.66	29.09' RT	1094.35	567928.91	740791.57
329	1266+81.07	33.89' RT	1094.42	567928.05	740796.49
330	1266+85.07	27.50' RT	1094.15	567934.45	740792.53
331	1266+85.79	32.50' RT	1094.23	567932.89	740797.33
332	1266+88.97	27.50' RT	1094.03	567937.96	740794.26
333	1266+88.97	32.50' RT	1094.10	567935.75	740798.74
334	1266+74.87	26.64' RT	1093.95	567925.69	740787.25

LEGEND

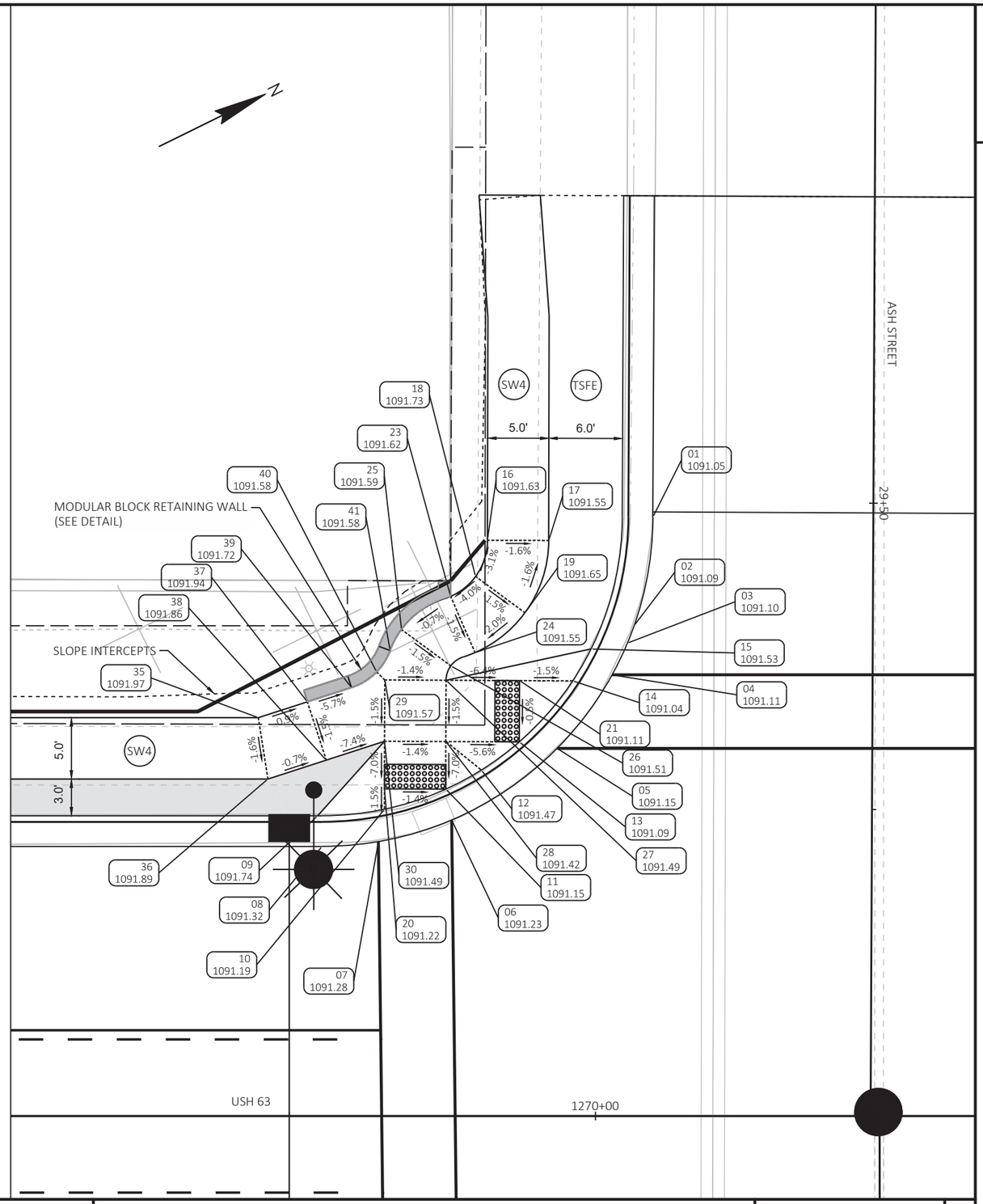
XX XXXX.XX	POINT NUMBER/ELEVATION
TSFE	TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EROSION MAT URBAN CLASS TYPE A
PED	CONCRETE CURB PEDESTRIAN
CP6	CONCRETE PAVEMENT 6-INCH
AS	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
SW4	CONCRETE SIDEWALK 4-INCH
	CONCRETE SIDEWALK 4-INCH AND COLORED CONCRETE CUSTOM

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CURB RAMP DETAIL - VINE STREET NE	SHEET 49	E

ASH STREET SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
01	1270+04.68	48.88' LT	1091.05	568254.89	740865.37
02	1270+03.14	40.00' LT	1091.09	568249.58	740872.65
03	1270+02.59	38.58' LT	1091.10	568248.47	740873.68
04	1270+01.35	36.00' LT	1091.11	568246.21	740875.44
05	1269+96.86	30.00' LT	1091.15	568239.54	740878.84
06	1269+88.26	24.16' LT	1091.23	568229.23	740880.28
07	1269+82.28	22.39' LT	1091.28	568223.09	740879.21
08	1269+77.68	22.00' LT	1091.32	568218.79	740877.53
09	1269+77.32	24.50' LT	1091.74	568219.57	740875.13
10	1269+82.78	25.04' LT	1091.19	568224.71	740877.07
11	1269+87.78	26.68' LT	1091.15	568229.92	740877.80
12	1269+90.68	28.23' LT	1091.47	568233.20	740877.69
13	1269+93.78	30.53' LT	1091.09	568237.00	740877.00
14	1269+98.13	35.51' LT	1091.04	568243.11	740874.46
15	1269+99.63	38.11' LT	1091.53	568245.60	740872.79
16	1269+91.18	46.98' LT	1091.63	568241.94	740861.10
17	1269+96.18	46.95' LT	1091.55	568246.41	740863.34
18	1269+90.21	44.03' LT	1091.73	568239.77	740863.32
19	1269+94.24	41.07' LT	1091.65	568242.08	740867.75
20	1269+82.78	26.70' LT	1091.22	568225.44	740875.57
21	1269+93.80	35.53' LT	1091.11	568239.23	740872.53
23	1269+88.17	42.40' LT	1091.62	568237.22	740863.87
24	1269+90.17	37.82' LT	1091.55	568236.99	740868.87
25	1269+84.16	39.70' LT	1091.59	568232.43	740864.53
26	1269+88.19	36.73' LT	1091.51	568234.73	740868.97
27	1269+87.80	35.56' LT	1091.49	568233.86	740869.85
28	1269+87.78	30.56' LT	1091.42	568231.63	740874.33
29	1269+82.80	35.58' LT	1091.57	568229.39	740867.62
30	1269+82.78	30.58' LT	1091.49	568227.16	740872.09
35	1269+72.47	32.50' LT	1091.97	568218.77	740865.81
36	1269+73.26	27.50' LT	1091.89	568217.26	740870.65
37	1269+76.48	33.80' LT	1091.94	568222.93	740866.42
38	1269+78.02	29.04' LT	1091.86	568222.21	740871.37
39	1269+80.09	34.97' LT	1091.72	568226.69	740866.97
40	1269+82.13	36.23' LT	1091.58	568229.08	740866.74
41	1269+83.24	37.98' LT	1091.58	568230.84	740865.66

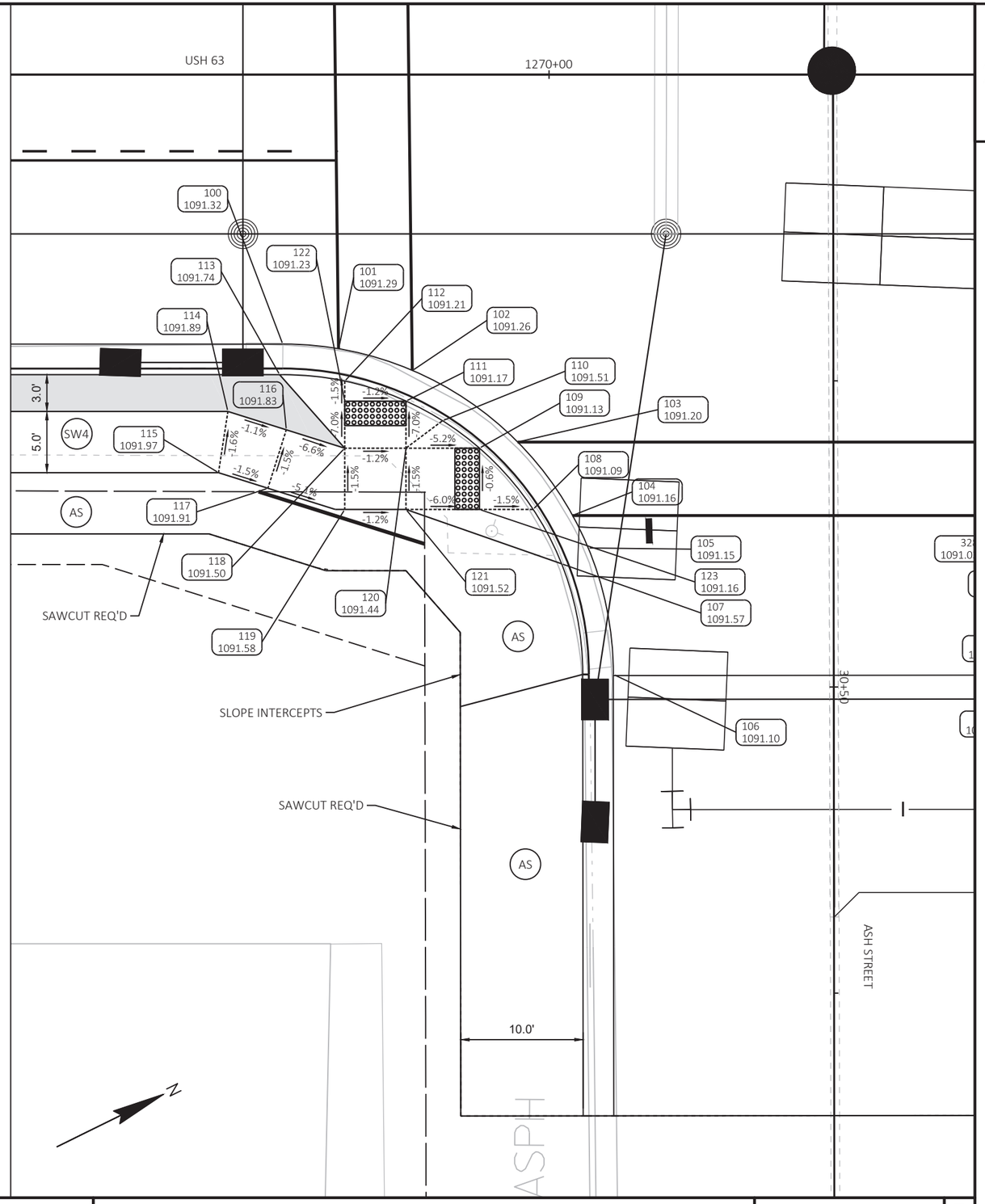
LEGEND

- XX XXXX.XX — POINT NUMBER/ELEVATION
- TSFE — TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EROSION MAT URBAN CLASS TYPE A
- PED — CONCRETE CURB PEDESTRIAN
- CP6 — CONCRETE PAVEMENT 6-INCH
- AS — ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
- SW4 — CONCRETE SIDEWALK 4-INCH
- CONCRETE SIDEWALK 4-INCH AND COLORED CONCRETE CUSTOM



PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CURB RAMP DETAIL - ASH STREET SW	SHEET E

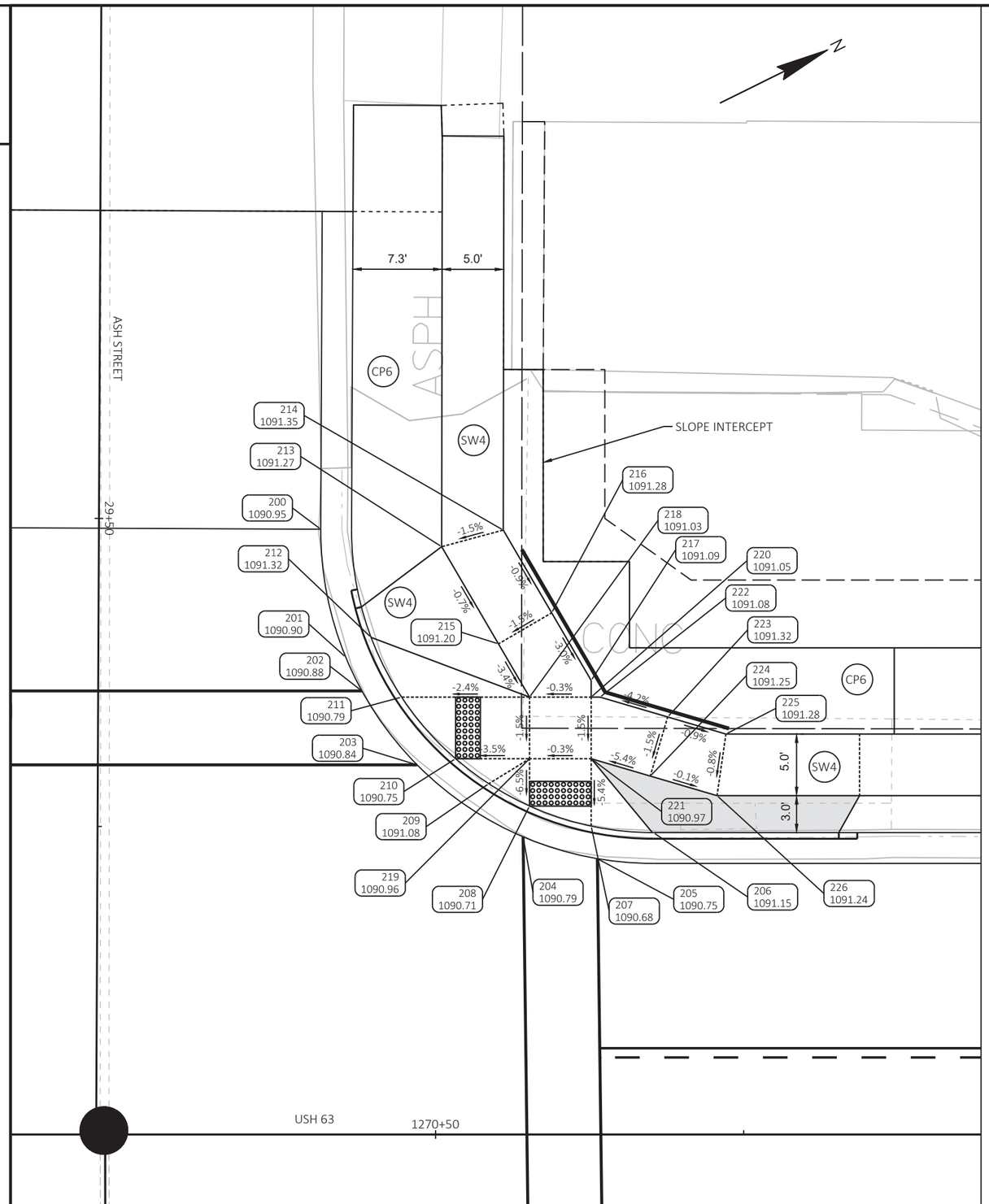
ASH STREET SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
100	1269+78.25	22.00' RT	1091.32	568199.84	740917.25
101	1269+82.81	22.39' RT	1091.29	568203.76	740919.62
102	1269+88.83	24.16' RT	1091.26	568208.38	740923.87
103	1269+97.43	30.00' RT	1091.20	568213.51	740932.91
104	1270+01.91	36.00' RT	1091.16	568214.88	740940.27
105	1270+03.19	38.65' RT	1091.15	568214.85	740943.21
106	1270+05.25	48.97' RT	1091.10	568212.13	740953.38
107	1270+01.01	39.93' RT	1091.57	568212.33	740943.40
108	1269+98.70	35.50' RT	1091.09	568212.21	740938.40
109	1269+94.31	30.50' RT	1091.13	568210.49	740931.98
110	1269+91.28	28.27' RT	1091.51	568208.76	740928.63
111	1269+88.31	26.66' RT	1091.17	568206.81	740925.88
112	1269+83.31	25.03' RT	1091.21	568203.05	740922.21
113	1269+78.00	24.50' RT	1091.74	568198.51	740919.38
114	1269+73.77	27.50' RT	1091.89	568193.40	740920.20
115	1269+73.01	32.50' RT	1091.97	568190.50	740924.35
116	1269+78.54	29.00' RT	1091.83	568197.01	740923.66
117	1269+77.04	33.77' RT	1091.91	568193.56	740927.27
118	1269+83.31	30.50' RT	1091.50	568200.63	740927.11
119	1269+83.31	35.50' RT	1091.58	568198.42	740931.60
120	1269+88.31	30.50' RT	1091.44	568205.11	740929.32
121	1269+88.31	35.50' RT	1091.52	568202.90	740933.81
122	1269+83.31	26.66' RT	1091.23	568202.32	740923.67
123	1269+94.32	35.50' RT	1091.16	568208.29	740936.46



LEGEND

XX XXXX.XX	POINT NUMBER/ELEVATION
TSFE	TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EROSION MAT URBAN CLASS TYPE A
PED	CONCRETE CURB PEDESTRIAN
CP6	CONCRETE PAVEMENT 6-INCH
AS	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
SW4	CONCRETE SIDEWALK 4-INCH
	CONCRETE SIDEWALK 4-INCH AND COLORED CONCRETE CUSTOM

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CURB RAMP DETAIL - ASH STREET SE	SHEET 51	E

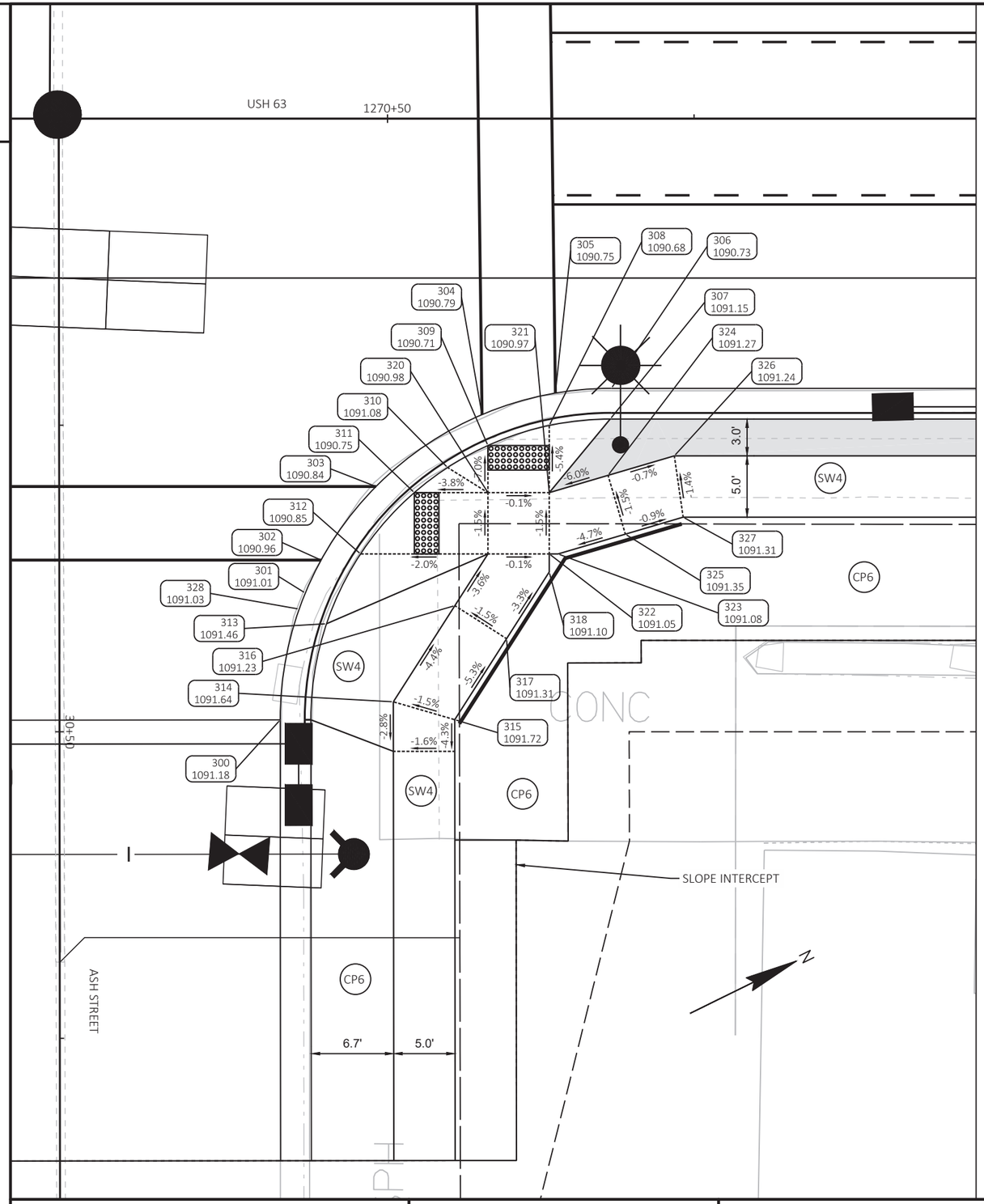


ASH STREET NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
200	1270+40.68	49.12' LT	1090.95	568287.29	740881.07
201	1270+42.70	38.75' LT	1090.90	568284.52	740891.26
202	1270+44.02	36.00' LT	1090.88	568284.48	740894.31
203	1270+48.50	30.00' LT	1090.84	568285.85	740901.68
204	1270+57.10	24.16' LT	1090.79	568290.98	740910.72
205	1270+63.12	22.39' LT	1090.75	568295.60	740914.97
206	1270+67.68	24.50' LT	1091.15	568300.62	740915.09
207	1270+62.62	25.03' LT	1090.68	568296.31	740912.38
208	1270+57.62	26.66' LT	1090.71	568292.55	740908.70
209	1270+54.31	28.47' LT	1091.08	568290.39	740905.62
210	1270+51.62	30.50' LT	1090.75	568288.87	740902.61
211	1270+47.24	35.50' LT	1090.79	568287.15	740896.19
212	1270+44.76	40.35' LT	1091.32	568287.07	740890.74
213	1270+50.49	47.71' LT	1091.27	568295.46	740886.68
214	1270+55.49	49.06' LT	1091.35	568300.54	740887.68
215	1270+55.10	39.82' LT	1091.20	568296.11	740895.79
216	1270+59.41	42.34' LT	1091.28	568301.09	740895.44
217	1270+62.62	36.85' LT	1091.09	568301.54	740901.77
218	1270+57.62	35.50' LT	1091.03	568296.46	740900.78
219	1270+57.62	30.50' LT	1090.96	568294.25	740905.26
220	1270+62.62	35.50' LT	1091.05	568300.94	740902.99
221	1270+62.62	30.50' LT	1090.97	568298.73	740907.47
222	1270+63.34	35.50' LT	1091.08	568301.59	740903.31
223	1270+68.83	33.89' LT	1091.32	568305.80	740907.18
224	1270+67.42	29.09' LT	1091.25	568302.41	740910.86
225	1270+73.55	32.50' LT	1091.28	568309.42	740910.51
226	1270+72.83	27.50' LT	1091.24	568306.57	740914.68

LEGEND

XX XXXX.XX	POINT NUMBER/ELEVATION
TSFE	TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EROSION MAT URBAN CLASS TYPE A
PED	CONCRETE CURB PEDESTRIAN
CP6	CONCRETE PAVEMENT 6-INCH
AS	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
SW4	CONCRETE SIDEWALK 4-INCH
	CONCRETE SIDEWALK 4-INCH AND COLORED CONCRETE CUSTOM

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CURB RAMP DETAIL - ASH STREET NW	SHEET 52	E



ASH STREET NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
300	1270+41.25	49.03' RT	1091.18	568244.40	740969.35
301	1270+43.30	38.69' RT	1091.01	568250.81	740960.98
302	1270+44.59	36.00' RT	1090.96	568253.15	740959.14
303	1270+49.07	30.00' RT	1090.84	568259.82	740955.74
304	1270+57.71	24.14' RT	1090.79	568270.16	740954.31
305	1270+63.69	22.39' RT	1090.75	568276.30	740955.38
306	1270+68.25	22.00' RT	1090.73	568280.57	740957.05
307	1270+68.16	24.50' RT	1091.15	568279.38	740959.25
308	1270+63.19	25.03' RT	1090.68	568274.69	740957.53
309	1270+58.19	26.66' RT	1090.71	568269.48	740956.78
310	1270+54.91	28.45' RT	1091.08	568265.75	740956.94
311	1270+52.19	30.50' RT	1090.75	568262.40	740957.57
312	1270+47.81	35.50' RT	1090.85	568256.26	740960.12
313	1270+45.03	41.19' RT	1091.46	568251.25	740963.99
314	1270+50.48	47.55' RT	1091.64	568253.33	740972.11
315	1270+55.48	49.01' RT	1091.72	568257.17	740975.63
316	1270+55.49	39.71' RT	1091.23	568261.29	740967.30
317	1270+59.71	42.41' RT	1091.31	568263.88	740971.57
318	1270+63.19	36.96' RT	1091.10	568269.41	740968.23
319	1270+58.19	35.50' RT	1091.05	568265.57	740964.71
320	1270+58.19	30.50' RT	1090.98	568267.78	740960.22
321	1270+63.19	30.50' RT	1090.97	568272.27	740962.44
322	1270+63.19	35.50' RT	1091.05	568270.06	740966.92
323	1270+63.91	35.50' RT	1091.08	568270.70	740967.24
324	1270+67.98	29.09' RT	1091.27	568277.19	740963.29
325	1270+69.40	33.89' RT	1091.35	568276.34	740968.22
326	1270+73.39	27.50' RT	1091.24	568282.74	740964.26
327	1270+74.11	32.50' RT	1091.31	568281.18	740969.06
328	1270+42.79	40.00' RT	1091.03	568249.78	740961.94

LEGEND

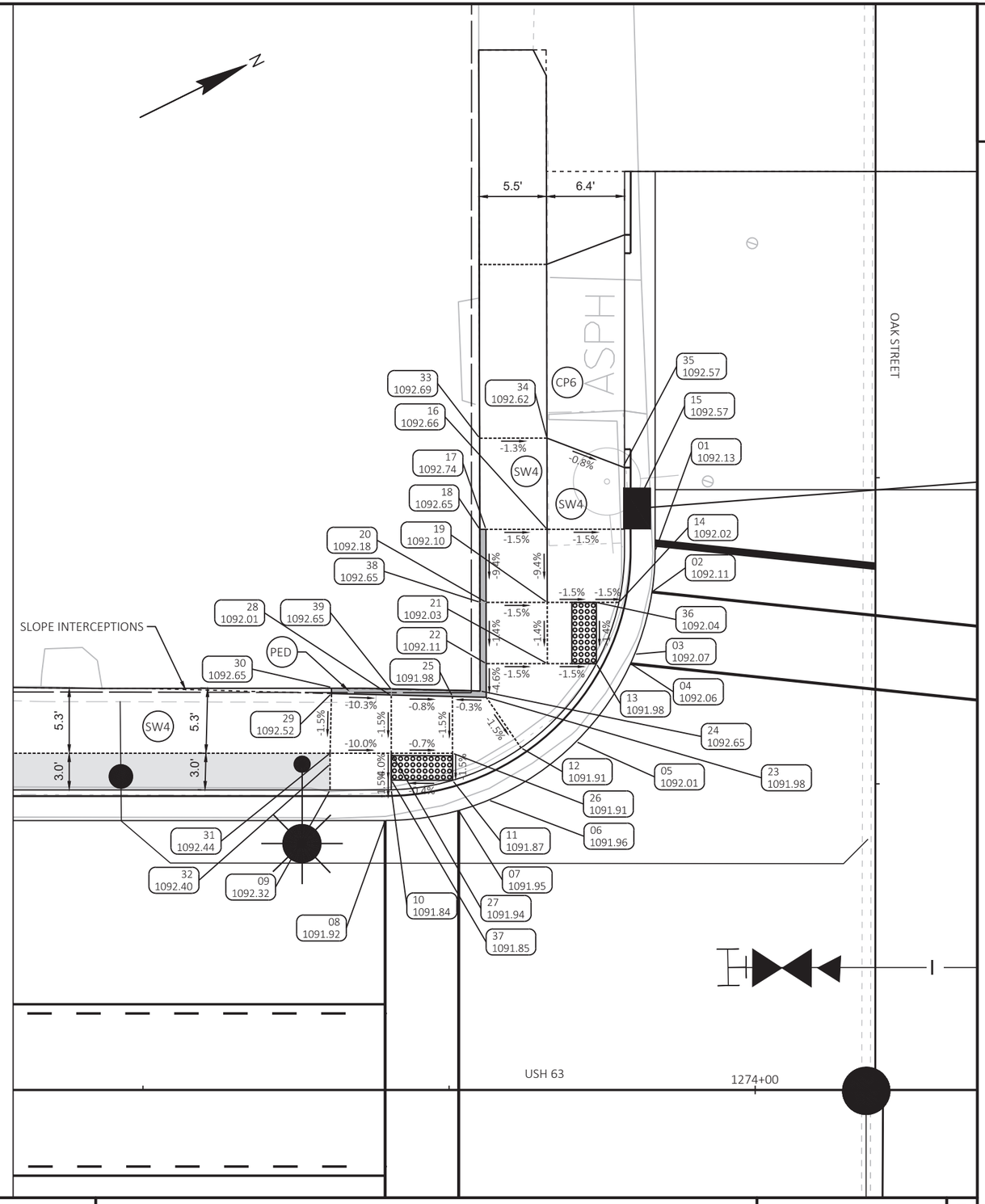
XX XXXX.XX	POINT NUMBER/ELEVATION
TSFE	TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EROSION MAT URBAN CLASS TYPE A
PED	CONCRETE CURB PEDESTRIAN
CP6	CONCRETE PAVEMENT 6-INCH
AS	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
SW4	CONCRETE SIDEWALK 4-INCH
	CONCRETE SIDEWALK 4-INCH AND COLORED CONCRETE CUSTOM

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CURB RAMP DETAIL - ASH STREET NE	SHEET 53	E

OAK STREET SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
01	1273+91.82	43.99' LT	1092.13	568599.96	741040.95
02	1273+91.57	40.66' LT	1092.11	568598.26	741043.83
03	1273+90.14	35.58' LT	1092.07	568594.74	741047.76
04	1273+89.81	34.81' LT	1092.06	568594.10	741048.30
05	1273+85.37	28.44' LT	1092.01	568587.30	741052.05
06	1273+78.24	23.67' LT	1091.96	568578.79	741053.17
07	1273+75.78	22.82' LT	1091.95	568576.21	741052.85
08	1273+69.78	22.00' LT	1091.92	568570.47	741050.93
09	1273+65.28	24.50' LT	1092.32	568567.54	741046.70
10	1273+70.28	24.51' LT	1091.84	568572.02	741048.90
11	1273+75.28	25.28' LT	1091.87	568576.85	741050.42
12	1273+80.88	27.94' LT	1091.91	568583.04	741050.51
13	1273+87.02	34.81' LT	1091.98	568591.60	741047.06
14	1273+88.87	39.81' LT	1092.02	568595.46	741043.39
15	1273+89.32	45.79' LT	1092.57	568598.52	741038.23
16	1273+83.01	45.78' LT	1092.66	568592.85	741035.45
17	1273+78.01	45.78' LT	1092.74	568588.36	741033.24
18	1273+77.51	45.78' LT	1092.65	568587.91	741033.02
19	1273+83.02	39.81' LT	1092.10	568590.22	741040.81
20	1273+78.04	39.81' LT	1092.18	568585.75	741038.60
21	1273+83.03	34.81' LT	1092.03	568588.02	741045.30
22	1273+78.03	34.81' LT	1092.11	568583.54	741043.09
23	1273+78.03	32.06' LT	1091.98	568582.32	741045.55
24	1273+77.53	32.58' LT	1092.65	568582.10	741044.87
25	1273+75.27	32.13' LT	1091.98	568579.87	741044.27
26	1273+75.28	27.50' LT	1091.91	568577.83	741048.43
27	1273+70.28	27.50' LT	1091.94	568573.35	741046.22
28	1273+70.28	32.19' LT	1092.01	568575.42	741042.01
29	1273+65.40	32.37' LT	1092.52	568571.12	741039.69
30	1273+65.42	32.87' LT	1092.65	568571.36	741039.25
31	1273+65.28	27.50' LT	1092.44	568568.86	741044.01
32	1273+65.28	26.59' LT	1092.40	568568.46	741044.82
33	1273+77.49	53.22' LT	1092.69	568591.19	741026.34
34	1273+82.99	53.23' LT	1092.62	568596.13	741028.76
35	1273+89.21	50.86' LT	1092.57	568600.66	741033.63
36	1273+87.02	39.81' LT	1092.04	568593.81	741042.58
37	1273+70.28	25.30' LT	1091.85	568572.38	741048.19
38	1273+77.54	39.81' LT	1092.65	568585.30	741038.38
39	1273+70.29	32.69' LT	1092.65	568575.65	741041.57

LEGEND

XX XXXX.XX	POINT NUMBER/ELEVATION
TSFE	TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EROSION MAT URBAN CLASS TYPE A
PED	CONCRETE CURB PEDESTRIAN
CP6	CONCRETE PAVEMENT 6-INCH
AS	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
SW4	CONCRETE SIDEWALK 4-INCH
	CONCRETE SIDEWALK 4-INCH AND COLORED CONCRETE CUSTOM



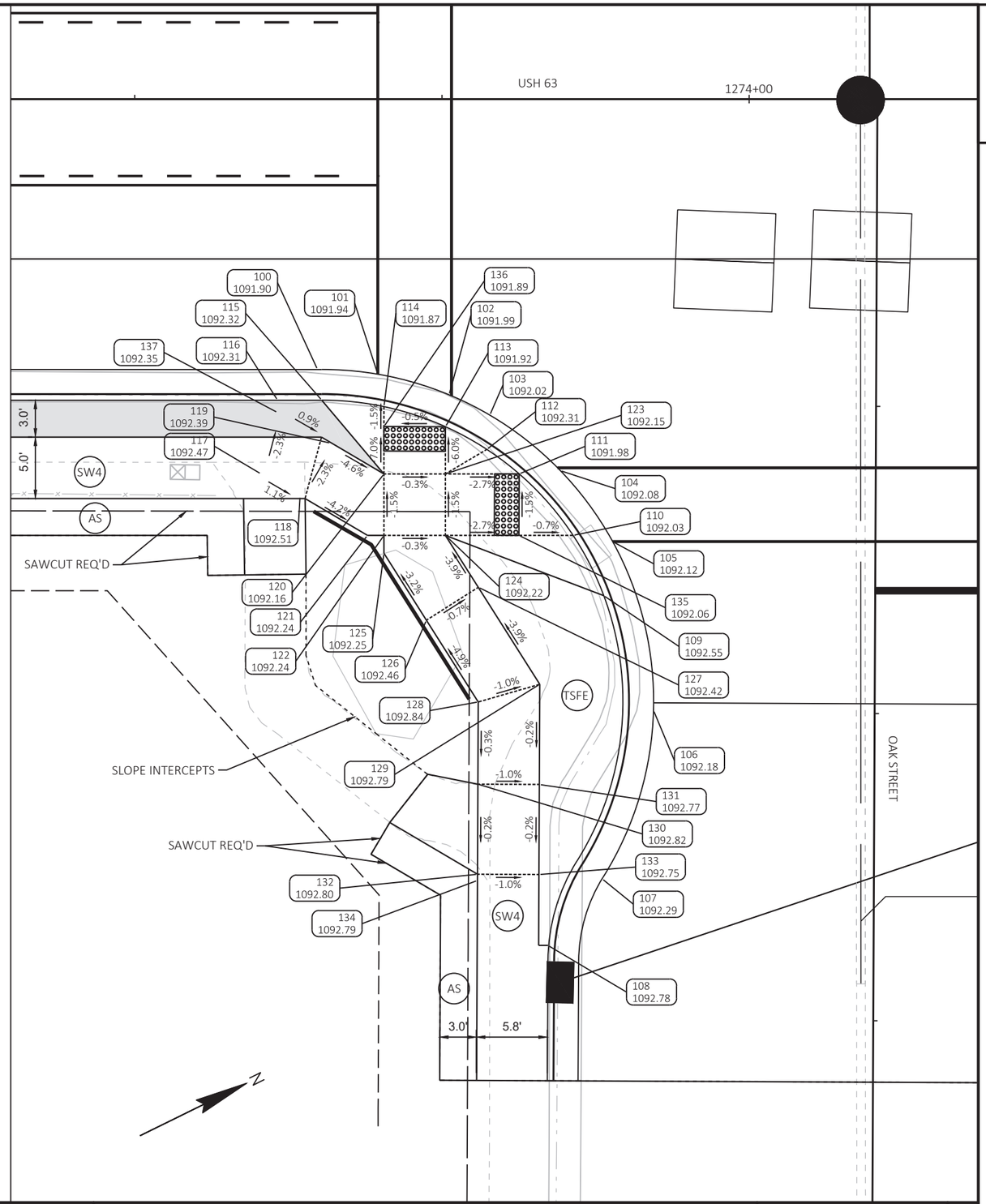
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CURB RAMP DETAIL - OAK STREET SW	SHEET 54 E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\023104 CR.DWG
LAYOUT NAME - OAK ST SW
PLOT DATE : 8/24/2021 2:03 PM
PLOT BY : ANNIE JEROME
PLOT NAME :
PLOT SCALE : 1 IN:10 FT

OAK STREET SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
100	1273+64.87	22.00' RT	1091.90	568546.61	741088.22
101	1273+69.78	22.39' RT	1091.94	568550.84	741090.74
102	1273+75.58	24.07' RT	1091.99	568555.30	741094.81
103	1273+78.90	25.72' RT	1092.02	568557.54	741097.76
104	1273+84.63	30.23' RT	1092.08	568560.69	741104.34
105	1273+88.88	36.00' RT	1092.12	568561.95	741111.40
106	1273+92.21	49.72' RT	1092.18	568558.87	741125.18
107	1273+88.03	63.45' RT	1092.29	568549.05	741135.64
108	1273+83.63	68.87' RT	1092.78	568542.71	741138.55
109	1273+88.16	40.40' RT	1092.55	568559.36	741115.02
110	1273+85.66	35.50' RT	1092.03	568559.29	741109.53
111	1273+81.28	30.50' RT	1091.98	568557.57	741103.10
112	1273+78.64	28.50' RT	1092.31	568556.08	741100.15
113	1273+75.28	26.66' RT	1091.92	568553.88	741097.01
114	1273+70.28	25.03' RT	1091.87	568550.12	741093.33
115	1273+65.22	24.50' RT	1092.32	568545.81	741090.62
116	1273+61.62	24.50' RT	1092.31	568542.59	741089.03
117	1273+60.28	30.50' RT	1092.47	568538.73	741093.82
118	1273+63.45	32.33' RT	1092.51	568540.76	741096.86
119	1273+65.95	28.00' RT	1092.39	568544.92	741094.08
120	1273+70.28	30.50' RT	1092.16	568547.70	741098.24
121	1273+68.94	35.50' RT	1092.24	568544.29	741102.13
122	1273+70.28	35.50' RT	1092.24	568545.49	741102.72
123	1273+75.28	30.50' RT	1092.15	568552.18	741100.45
124	1273+75.28	35.50' RT	1092.22	568549.97	741104.93
125	1273+70.28	36.95' RT	1092.25	568544.85	741104.02
126	1273+73.73	42.40' RT	1092.46	568545.54	741110.44
127	1273+77.96	39.72' RT	1092.42	568550.51	741109.91
128	1273+77.95	49.06' RT	1092.84	568546.38	741118.28
129	1273+82.96	47.62' RT	1092.79	568551.50	741119.20
130	1273+77.92	55.75' RT	1092.82	568543.39	741124.26
131	1273+82.92	55.77' RT	1092.77	568547.87	741126.49
132	1273+77.89	63.07' RT	1092.80	568540.12	741130.82
133	1273+82.89	63.10' RT	1092.75	568544.60	741133.05
134	1273+77.89	63.58' RT	1092.79	568539.90	741131.28
135	1273+81.26	35.50' RT	1092.06	568555.33	741107.58
136	1273+70.28	26.64' RT	1091.89	568549.41	741094.78
137	1273+61.62	25.50' RT	1092.35	568542.14	741089.92

LEGEND

- XX / XXXX.XX — POINT NUMBER/ELEVATION
- TSFE — TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EROSION MAT URBAN CLASS TYPE A
- PED — CONCRETE CURB PEDESTRIAN
- CP6 — CONCRETE PAVEMENT 6-INCH
- AS — ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
- SW4 — CONCRETE SIDEWALK 4-INCH
- CONCRETE SIDEWALK 4-INCH AND COLORED CONCRETE CUSTOM

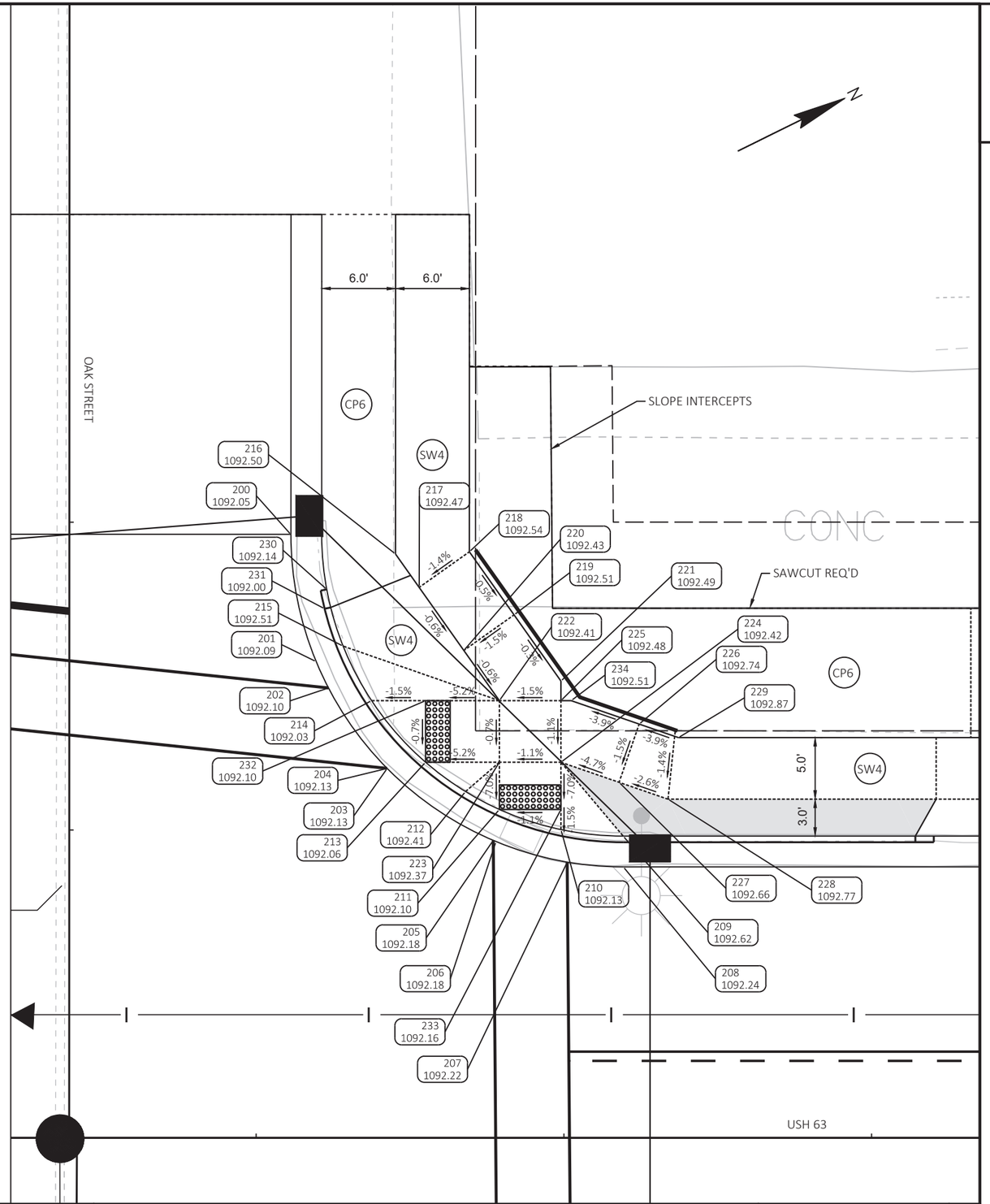


PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CURB RAMP DETAIL - OAK STREET SE	SHEET 55	E

OAK STREET NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
200	1274+27.82	48.99' LT	1092.05	568634.46	741052.39
201	1274+29.88	38.67' LT	1092.09	568631.74	741062.55
202	1274+30.87	36.53' LT	1092.10	568631.69	741064.91
203	1274+35.64	30.00' LT	1092.13	568633.08	741072.88
204	1274+35.64	30.00' LT	1092.13	568633.08	741072.88
205	1274+44.26	24.15' LT	1092.18	568638.22	741081.93
206	1274+44.49	24.06' LT	1092.18	568638.38	741082.12
207	1274+50.27	22.39' LT	1092.22	568642.83	741086.18
208	1274+54.83	22.00' LT	1092.24	568646.75	741088.54
209	1274+54.82	24.50' LT	1092.62	568647.85	741086.29
210	1274+49.76	25.03' LT	1092.13	568643.54	741083.58
211	1274+44.76	26.66' LT	1092.10	568639.78	741079.91
212	1274+42.01	28.12' LT	1092.41	568637.96	741077.38
213	1274+38.76	30.50' LT	1092.06	568636.10	741073.81
214	1274+34.38	35.50' LT	1092.03	568634.38	741067.39
215	1274+32.06	39.93' LT	1092.51	568634.26	741062.39
216	1274+36.32	47.41' LT	1092.50	568641.39	741057.56
217	1274+38.24	44.70' LT	1092.47	568641.91	741060.84
218	1274+42.32	47.59' LT	1092.54	568646.85	741060.05
219	1274+45.95	42.47' LT	1092.51	568647.84	741066.25
220	1274+41.87	39.58' LT	1092.43	568642.90	741067.04
221	1274+49.76	37.09' LT	1092.49	568648.88	741072.76
222	1274+44.76	35.50' LT	1092.41	568643.69	741071.98
223	1274+44.76	30.50' LT	1092.37	568641.48	741076.46
224	1274+49.76	30.50' LT	1092.42	568645.96	741078.67
225	1274+49.76	35.50' LT	1092.48	568648.17	741074.19
226	1274+56.12	33.60' LT	1092.74	568653.03	741078.71
227	1274+54.49	28.87' LT	1092.66	568649.48	741082.23
228	1274+58.46	27.50' LT	1092.77	568652.44	741085.21
229	1274+59.30	32.50' LT	1092.87	568655.40	741081.10
230	1274+30.73	44.54' LT	1092.14	568635.10	741057.67
231	1274+30.56	42.97' LT	1092.00	568634.26	741059.00
232	1274+38.76	35.50' LT	1092.10	568638.31	741069.33
233	1274+49.76	26.66' LT	1092.16	568644.26	741082.12
234	1274+50.60	35.50' LT	1092.51	568648.92	741074.56

LEGEND

XX XXXX.XX	POINT NUMBER/ELEVATION
TSFE	TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EROSION MAT URBAN CLASS TYPE A
PED	CONCRETE CURB PEDESTRIAN
CP6	CONCRETE PAVEMENT 6-INCH
AS	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
SW4	CONCRETE SIDEWALK 4-INCH
	CONCRETE SIDEWALK 4-INCH AND COLORED CONCRETE CUSTOM



PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CURB RAMP DETAIL - OAK STREET NW	SHEET	E

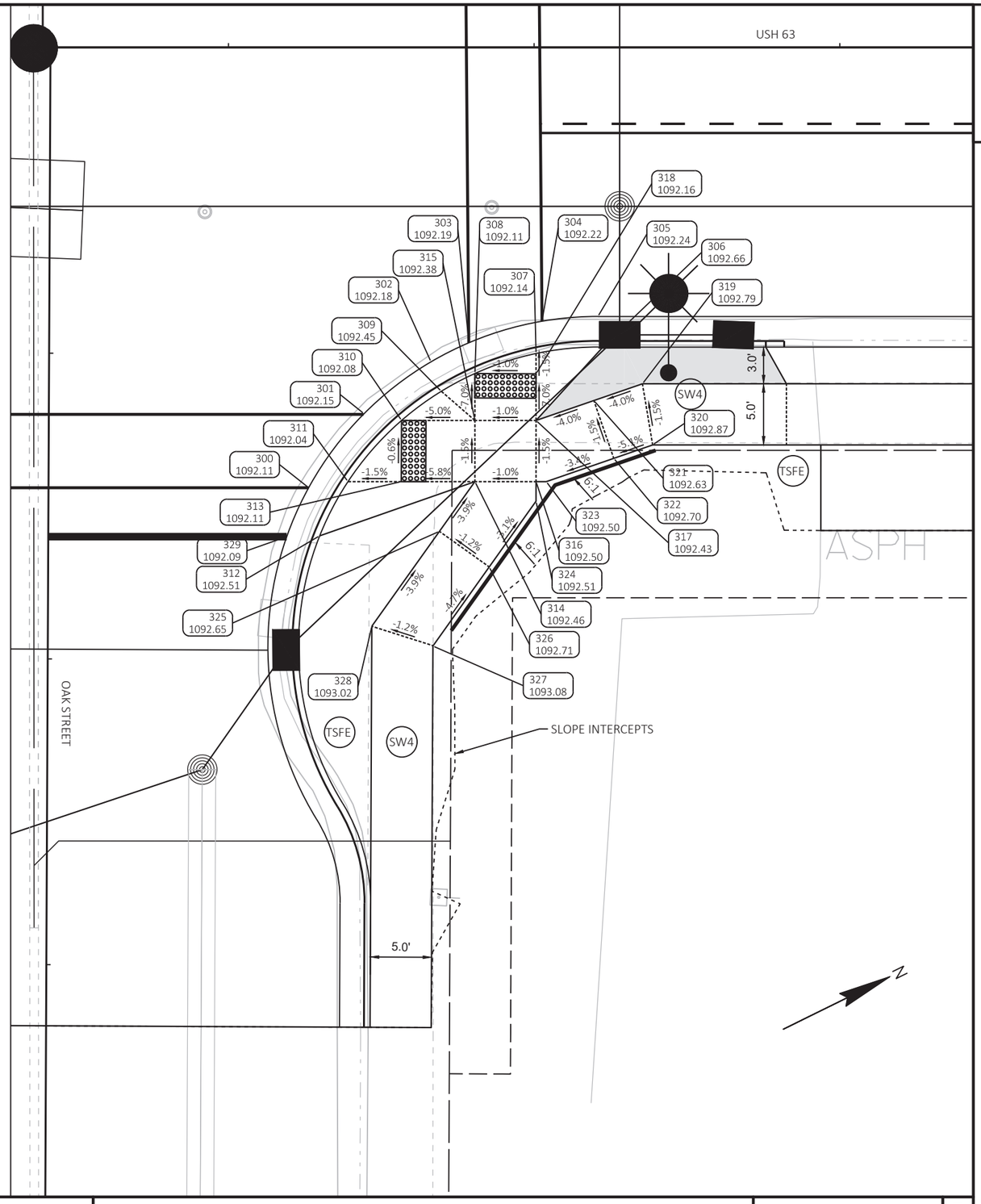
FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\023104 CR.DWG
LAYOUT NAME - OAK ST NW

PLOT DATE : 8/24/2021 2:04 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

OAK STREET NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
300	1274+31.55	36.00' RT	1092.11	568600.23	741130.27
301	1274+36.09	29.95' RT	1092.15	568606.96	741126.85
302	1274+41.56	25.71' RT	1092.18	568613.75	741125.46
303	1274+44.66	24.15' RT	1092.19	568617.22	741125.44
304	1274+50.64	22.39' RT	1092.22	568623.36	741126.50
305	1274+55.21	22.00' RT	1092.24	568627.64	741128.17
306	1274+55.62	24.50' RT	1092.66	568626.90	741130.60
307	1274+50.16	25.03' RT	1092.14	568621.76	741128.65
308	1274+45.16	26.66' RT	1092.11	568616.55	741127.91
309	1274+42.41	28.12' RT	1092.45	568613.45	741128.00
310	1274+39.16	30.50' RT	1092.08	568609.48	741128.70
311	1274+34.77	35.50' RT	1092.04	568603.33	741131.24
312	1274+32.46	39.93' RT	1092.51	568599.30	741134.20
313	1274+39.13	35.50' RT	1092.11	568607.24	741133.17
314	1274+45.16	35.50' RT	1092.46	568612.65	741135.83
315	1274+45.16	30.50' RT	1092.38	568614.86	741131.35
316	1274+50.16	35.50' RT	1092.50	568617.13	741138.05
317	1274+50.16	30.50' RT	1092.43	568619.34	741133.56
318	1274+50.16	26.68' RT	1092.16	568621.03	741130.14
319	1274+58.86	27.50' RT	1092.79	568628.47	741134.72
320	1274+59.70	32.50' RT	1092.87	568627.01	741139.57
321	1274+54.88	28.87' RT	1092.63	568624.30	741134.19
322	1274+56.51	33.60' RT	1092.70	568623.67	741139.15
323	1274+50.99	35.50' RT	1092.50	568617.88	741138.42
324	1274+50.16	37.10' RT	1092.51	568616.42	741139.48
325	1274+42.25	39.57' RT	1092.65	568608.24	741138.20
326	1274+46.33	42.47' RT	1092.71	568610.61	741142.61
327	1274+41.72	48.94' RT	1093.08	568603.62	741146.37
328	1274+36.73	47.33' RT	1093.02	568599.85	741142.72
329	1274+29.76	40.00' RT	1092.09	568596.85	741133.06

LEGEND

- XX XXXX.XX — POINT NUMBER/ELEVATION
- TSFE — TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EROSION MAT URBAN CLASS TYPE A
- PED — CONCRETE CURB PEDESTRIAN
- CP6 — CONCRETE PAVEMENT 6-INCH
- AS — ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
- SW4 — CONCRETE SIDEWALK 4-INCH
- CONCRETE SIDEWALK 4-INCH AND COLORED CONCRETE CUSTOM



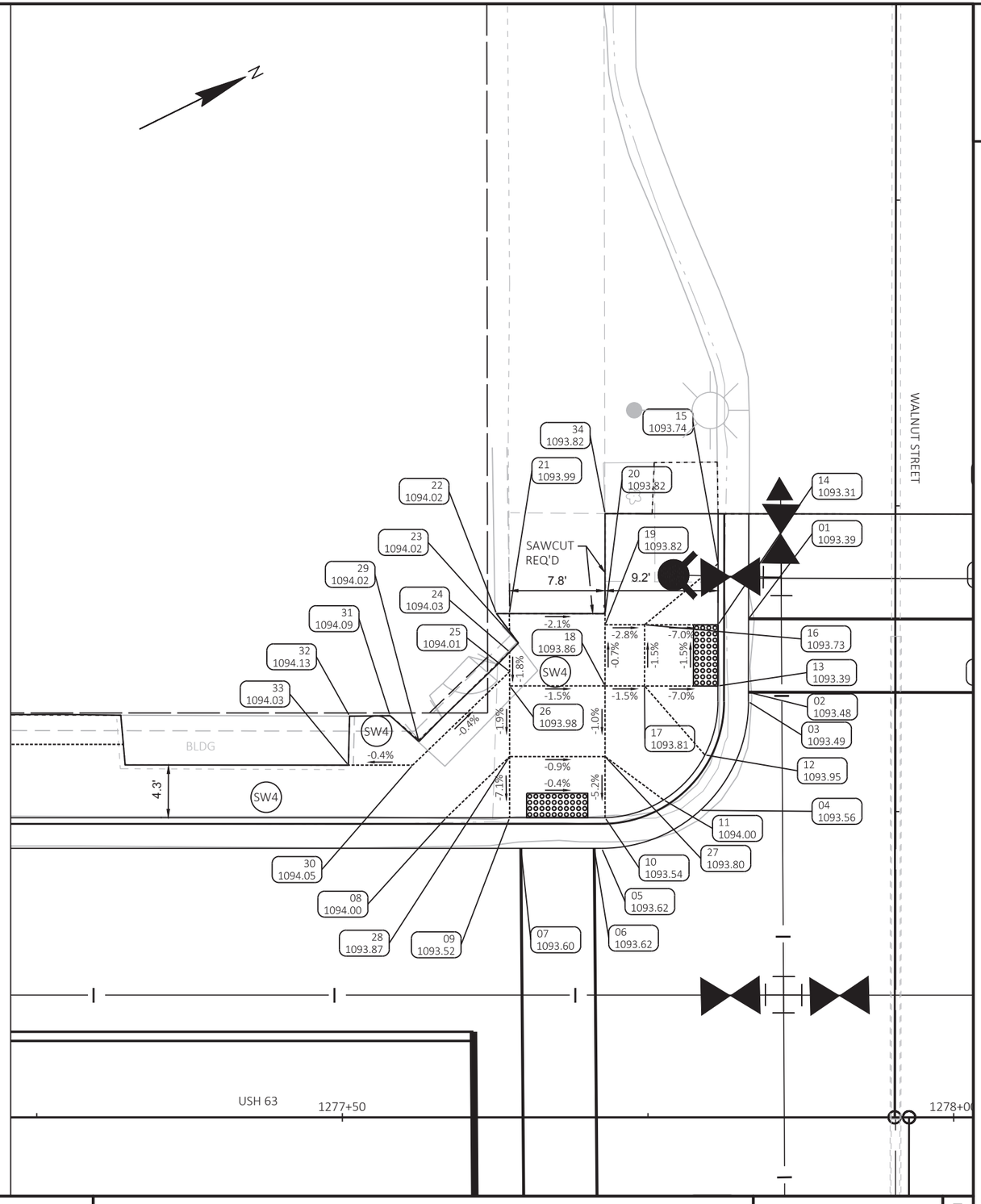
PROJECT NO: 1560-00-70 | HWY: USH 63 | COUNTY: WASHBURN | CURB RAMP DETAIL - OAK STREET NE | SHEET E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\023104 CR.DWG
LAYOUT NAME - OAK ST NE
PLOT DATE : 8/24/2021 2:05 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

WALNUT STREET SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
01	1277+83.22	40.76' LT	1093.39	568949.59	741216.93
02	1277+83.22	34.76' LT	1093.48	568946.93	741222.31
03	1277+83.22	33.99' LT	1093.49	568946.58	741223.01
04	1277+79.24	25.10' LT	1093.56	568939.09	741229.22
05	1277+71.22	22.00' LT	1093.62	568930.52	741228.45
06	1277+70.60	22.00' LT	1093.62	568929.97	741228.18
07	1277+64.60	22.00' LT	1093.60	568924.58	741225.53
08	1277+58.49	24.50' LT	1094.00	568920.21	741220.58
09	1277+63.69	24.50' LT	1093.52	568924.87	741222.88
10	1277+71.49	24.50' LT	1093.54	568931.87	741226.33
11	1277+76.27	25.96' LT	1094.00	568936.80	741227.14
12	1277+79.65	29.63' LT	1093.95	568941.46	741225.34
13	1277+80.72	35.27' LT	1093.39	568944.91	741220.75
14	1277+80.72	40.27' LT	1093.31	568947.12	741216.27
15	1277+80.73	45.27' LT	1093.74	568949.34	741211.79
16	1277+74.72	40.28' LT	1093.73	568941.75	741213.61
17	1277+74.72	35.28' LT	1093.81	568939.53	741218.09
18	1277+71.49	35.28' LT	1093.86	568936.64	741216.66
19	1277+71.49	40.28' LT	1093.82	568938.85	741212.18
20	1277+71.49	41.19' LT	1093.82	568939.25	741211.37
21	1277+63.65	41.19' LT	1093.99	568932.22	741207.90
22	1277+62.61	41.19' LT	1094.02	568931.28	741207.44
23	1277+64.40	38.79' LT	1094.02	568931.83	741210.38
24	1277+63.69	38.06' LT	1094.03	568930.86	741210.72
25	1277+63.69	36.44' LT	1094.01	568930.15	741212.17
26	1277+63.69	35.28' LT	1093.98	568929.64	741213.21
27	1277+71.49	29.50' LT	1093.80	568934.08	741221.85
28	1277+63.69	29.50' LT	1093.87	568927.08	741218.40
29	1277+56.27	30.73' LT	1094.02	568920.97	741214.01
30	1277+55.75	28.80' LT	1094.05	568919.65	741215.52
31	1277+53.90	32.84' LT	1094.09	568919.79	741211.07
32	1277+50.59	32.81' LT	1094.13	568916.80	741209.64
33	1277+50.49	28.80' LT	1094.03	568914.94	741213.19
34	1277+71.49	49.36' LT	1093.82	568942.86	741204.03

LEGEND

XX XXXX.XX	POINT NUMBER/ELEVATION
TSFE	TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EROSION MAT URBAN CLASS TYPE A
PED	CONCRETE CURB PEDESTRIAN
CP6	CONCRETE PAVEMENT 6-INCH
AS	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
SW4	CONCRETE SIDEWALK 4-INCH
	CONCRETE SIDEWALK 4-INCH AND COLORED CONCRETE CUSTOM

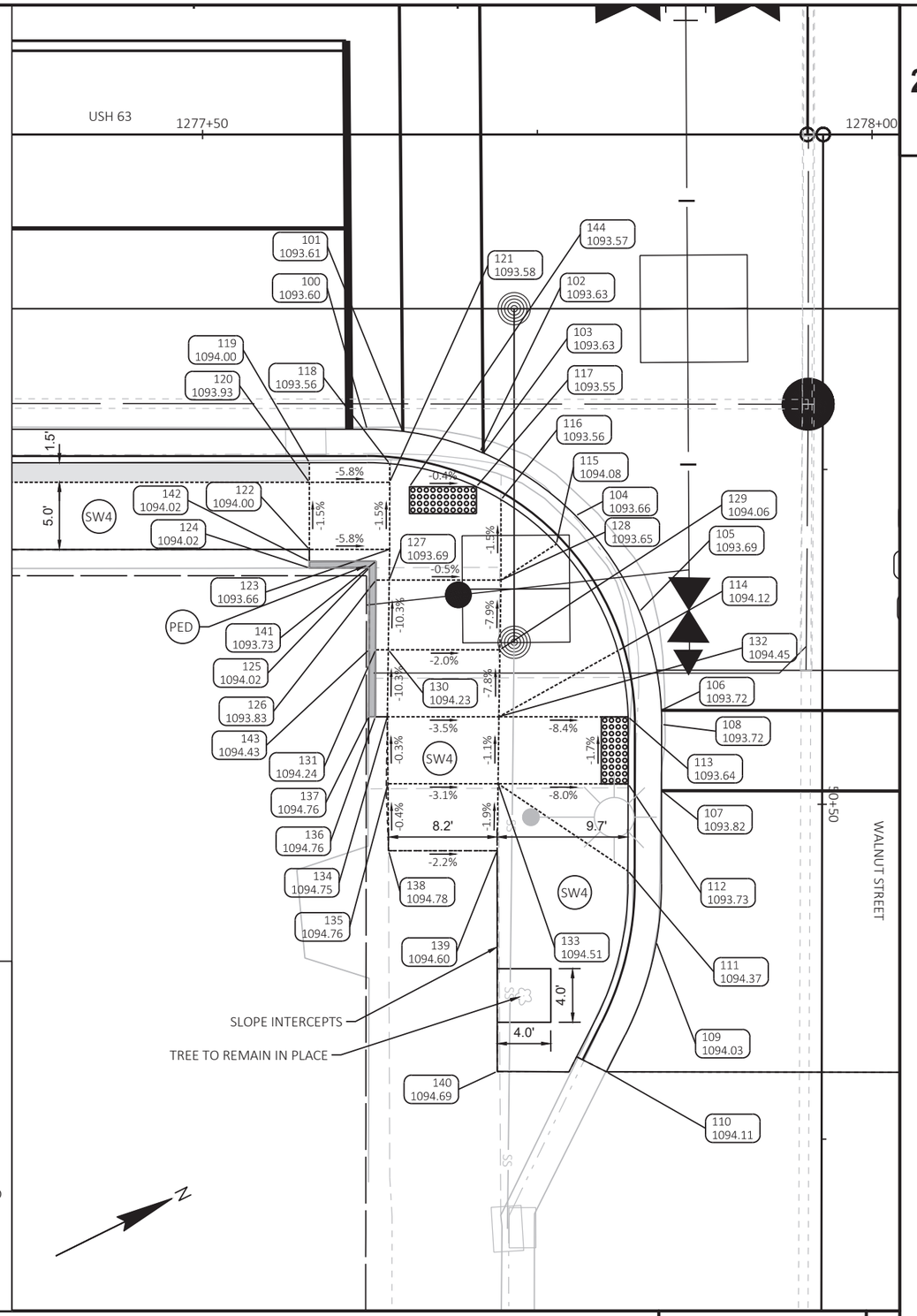


PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CURB RAMP DETAIL - WALNUT STREET SW	SHEET	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\023105 CR.DWG
LAYOUT NAME - WALNUT ST SW
PLOT DATE : 8/24/2021 2:07 PM
PLOT BY : ANNIE JEROME
PLOT NAME :
PLOT SCALE : 1 IN:10 FT

WALNUT STREET SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
100	1277+62.29	22.00' RT	1093.60	568903.06	741263.97
101	1277+64.95	22.16' RT	1093.61	568905.37	741265.29
102	1277+70.71	23.68' RT	1093.63	568909.87	741269.20
103	1277+70.97	23.78' RT	1093.63	568910.05	741269.41
104	1277+77.86	28.46' RT	1093.66	568914.16	741276.64
105	1277+82.62	35.60' RT	1093.69	568915.28	741285.16
106	1277+84.26	42.98' RT	1093.72	568913.48	741292.51
107	1277+84.28	48.98' RT	1093.82	568910.85	741297.89
108	1277+84.29	44.03' RT	1093.72	568913.04	741293.46
109	1277+83.89	60.27' RT	1094.03	568905.50	741307.85
110	1277+80.17	69.98' RT	1094.11	568897.87	741314.91
111	1277+81.77	54.98' RT	1094.37	568905.94	741302.17
112	1277+81.78	48.48' RT	1093.73	568908.83	741296.34
113	1277+81.78	43.48' RT	1093.64	568911.04	741291.85
114	1277+81.01	38.54' RT	1094.12	568912.53	741287.08
115	1277+76.42	30.58' RT	1094.08	568911.93	741277.91
116	1277+72.29	27.26' RT	1093.56	568909.70	741273.11
117	1277+70.45	26.29' RT	1093.55	568908.48	741271.43
118	1277+63.97	24.57' RT	1093.56	568903.43	741267.02
119	1277+57.97	24.50' RT	1094.00	568898.08	741264.30
120	1277+57.97	25.96' RT	1093.93	568897.43	741265.61
121	1277+63.97	25.96' RT	1093.58	568902.81	741268.27
122	1277+57.97	30.96' RT	1094.00	568895.22	741270.10
123	1277+63.97	30.96' RT	1093.66	568900.60	741272.75
124	1277+57.97	32.36' RT	1094.02	568894.60	741271.35
125	1277+62.46	32.35' RT	1094.02	568898.63	741273.32
126	1277+62.95	33.26' RT	1093.83	568898.67	741274.36
127	1277+63.94	33.26' RT	1093.69	568899.56	741274.80
128	1277+72.29	33.26' RT	1093.65	568907.04	741278.49
129	1277+72.21	38.46' RT	1094.06	568904.67	741283.12

WALNUT STREET SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
130	1277+63.87	38.46' RT	1094.23	568897.19	741279.43
131	1277+62.93	38.46' RT	1094.24	568896.35	741279.02
132	1277+72.14	43.46' RT	1094.45	568902.39	741287.57
133	1277+72.07	48.46' RT	1094.51	568900.12	741292.03
134	1277+63.80	43.46' RT	1094.75	568894.92	741283.89
135	1277+63.84	48.46' RT	1094.76	568892.75	741288.39
136	1277+62.90	43.46' RT	1094.76	568894.11	741283.49
137	1277+62.40	43.46' RT	1094.76	568893.67	741283.27
138	1277+63.89	53.46' RT	1094.78	568890.57	741292.90
139	1277+72.00	53.46' RT	1094.60	568897.85	741296.48
140	1277+72.01	69.94' RT	1094.69	568890.58	741311.26
141	1277+62.96	31.84' RT	1093.73	568899.30	741273.09
142	1277+57.97	31.86' RT	1094.02	568894.82	741270.90
143	1277+62.43	38.46' RT	1094.43	568895.90	741278.79
144	1277+65.45	26.29' RT	1093.57	568903.99	741269.22



LEGEND

XX XXXX.XX	POINT NUMBER/ELEVATION
TSFE	TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EROSION MAT URBAN CLASS TYPE A
PED	CONCRETE CURB PEDESTRIAN
CP6	CONCRETE PAVEMENT 6-INCH
AS	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
SW4	CONCRETE SIDEWALK 4-INCH
	CONCRETE SIDEWALK 4-INCH AND COLORED CONCRETE CUSTOM

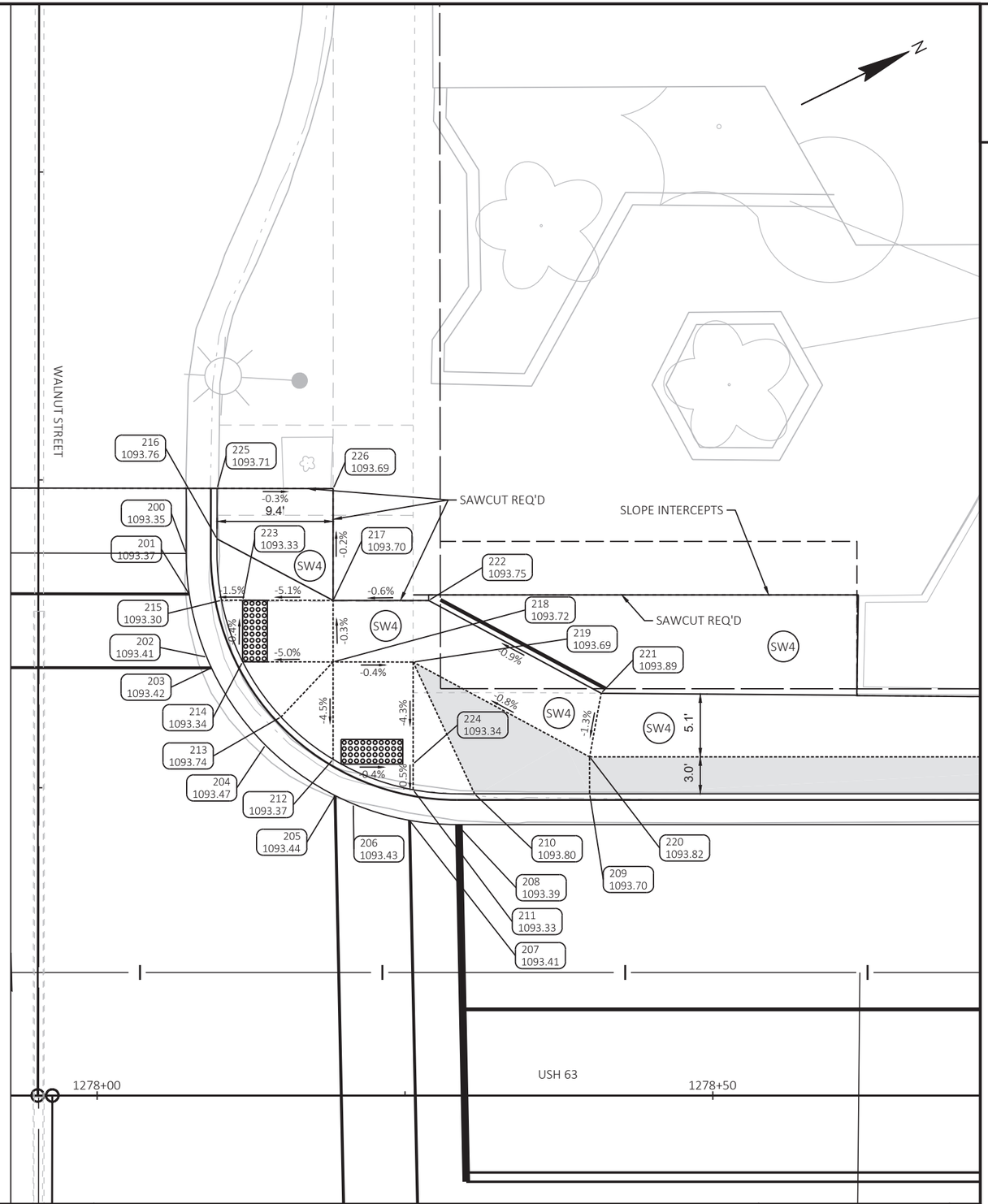
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CURB RAMP DETAIL - WALNUT STREET SE	SHEET E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\023105 CR.DWG
LAYOUT NAME - WALNUT ST SE
PLOT DATE : 8/24/2021 2:08 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WALNUT STREET NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
200	1278+07.23	44.03' LT	1093.35	568972.56	741224.62
201	1278+07.47	40.73' LT	1093.37	568971.32	741227.69
202	1278+08.90	35.60' LT	1093.41	568970.33	741232.92
203	1278+09.28	34.73' LT	1093.42	568970.29	741233.87
204	1278+13.66	28.45' LT	1093.47	568971.44	741241.43
205	1278+19.32	24.36' LT	1093.44	568974.71	741247.61
206	1278+20.80	23.68' LT	1093.43	568975.74	741248.88
207	1278+25.38	22.34' LT	1093.41	568979.25	741252.10
208	1278+29.23	22.00' LT	1093.39	568982.55	741254.11
209	1278+40.00	24.50' LT	1093.70	568993.31	741256.63
210	1278+30.65	24.50' LT	1093.80	568984.93	741252.49
211	1278+25.66	24.83' LT	1093.33	568980.60	741249.99
212	1278+19.16	27.30' LT	1093.37	568975.86	741244.90
213	1278+14.93	30.75' LT	1093.74	568973.60	741239.94
214	1278+11.82	35.22' LT	1093.34	568972.78	741234.55
215	1278+10.10	40.23' LT	1093.30	568973.45	741229.30
216	1278+09.73	45.21' LT	1093.76	568975.33	741224.67
217	1278+19.16	40.21' LT	1093.70	568981.57	741233.33
218	1278+19.16	35.21' LT	1093.72	568979.37	741237.80
219	1278+25.66	35.20' LT	1093.69	568985.19	741240.69
220	1278+40.00	27.50' LT	1093.82	568994.64	741253.94
221	1278+40.93	32.67' LT	1093.89	568997.77	741249.71
222	1278+26.92	40.20' LT	1093.75	568988.53	741236.76
223	1278+11.82	40.22' LT	1093.33	568975.00	741230.06
224	1278+25.66	26.92' LT	1093.34	568981.53	741248.12
225	1278+09.74	49.31' LT	1093.71	568977.14	741220.99
226	1278+19.17	49.29' LT	1093.69	568985.59	741225.18

LEGEND

XX XXXX.XX	POINT NUMBER/ELEVATION
TSFE	TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EROSION MAT URBAN CLASS TYPE A
PED	CONCRETE CURB PEDESTRIAN
CP6	CONCRETE PAVEMENT 6-INCH
AS	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
SW4	CONCRETE SIDEWALK 4-INCH
	CONCRETE SIDEWALK 4-INCH AND COLORED CONCRETE CUSTOM

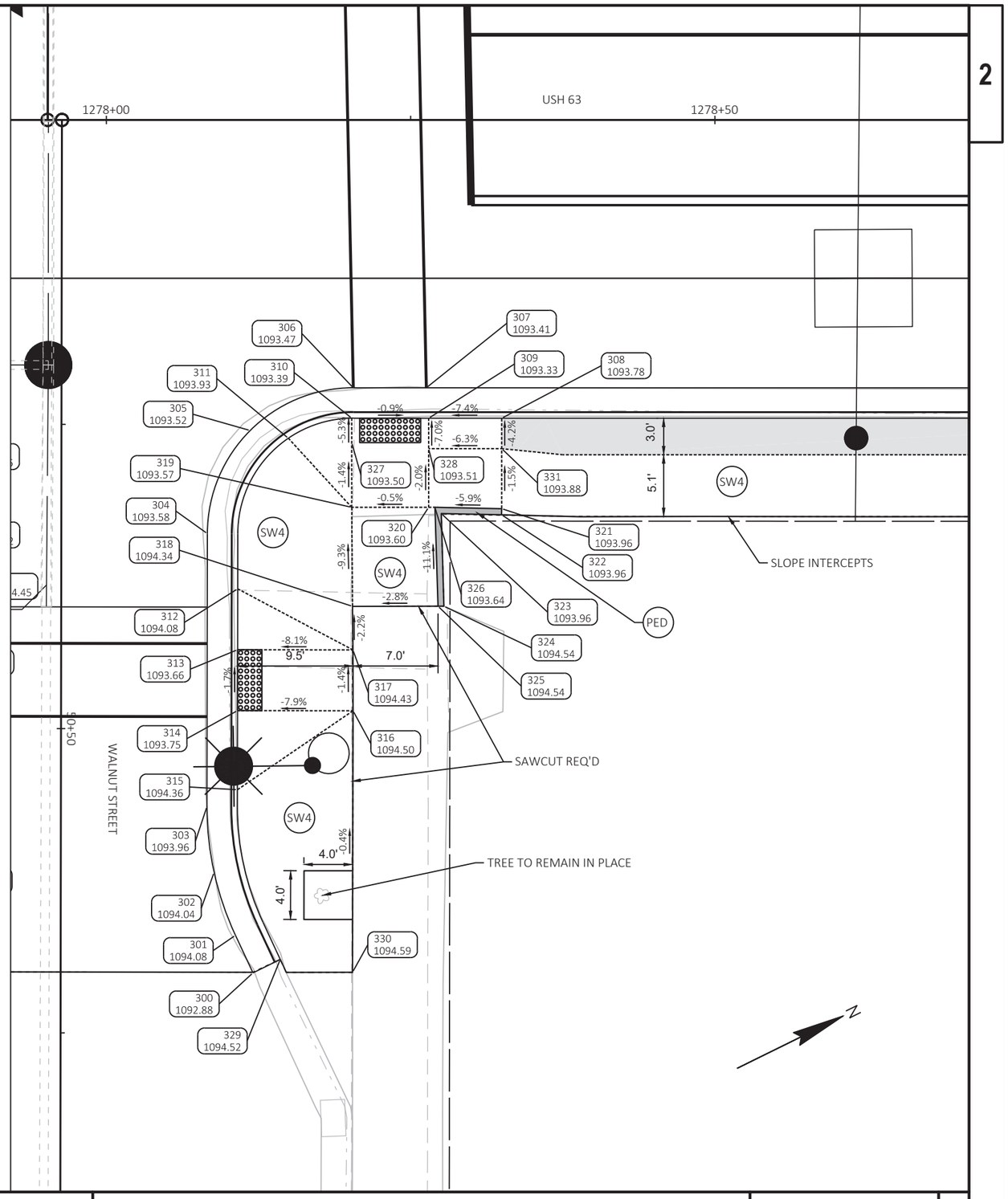


PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CURB RAMP DETAIL - WALNUT STREET NW	SHEET 60	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\023105 CR.DWG
LAYOUT NAME - WALNUT ST NW

PLOT DATE : 8/24/2021 2:09 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WALNUT STREET NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
300	1278+12.05	70.07' RT	1092.88	568926.42	741329.09
301	1278+10.61	66.98' RT	1094.08	568926.50	741325.68
302	1278+08.86	61.82' RT	1094.04	568927.21	741320.27
303	1278+08.27	56.41' RT	1093.96	568929.08	741315.17
304	1278+08.30	33.98' RT	1093.58	568939.03	741295.06
305	1278+11.82	25.51' RT	1093.52	568945.93	741289.02
306	1278+20.29	22.00' RT	1093.47	568955.08	741289.62
307	1278+26.29	22.00' RT	1093.41	568960.46	741292.27
308	1278+32.48	24.50' RT	1093.78	568964.90	741297.25
309	1278+26.48	24.50' RT	1093.33	568959.52	741294.60
310	1278+20.16	24.50' RT	1093.39	568953.86	741291.81
311	1278+14.96	26.15' RT	1093.93	568948.46	741290.98
312	1278+10.80	38.52' RT	1094.08	568939.25	741300.24
313	1278+10.79	43.52' RT	1093.66	568937.04	741304.72
314	1278+10.78	48.52' RT	1093.75	568934.82	741309.20
315	1278+10.77	55.03' RT	1094.36	568931.93	741315.03
316	1278+20.27	48.54' RT	1094.50	568943.32	741313.41
317	1278+20.26	43.54' RT	1094.43	568945.52	741308.92
318	1278+20.23	39.96' RT	1094.34	568947.08	741305.70
319	1278+20.16	31.82' RT	1093.57	568950.62	741298.37
320	1278+26.48	31.82' RT	1093.60	568956.28	741301.17
321	1278+32.48	31.93' RT	1093.96	568961.62	741303.92
322	1278+32.47	32.43' RT	1093.96	568961.39	741304.36
323	1278+27.52	32.33' RT	1093.96	568956.99	741302.08
324	1278+27.74	39.95' RT	1094.54	568953.82	741309.01
325	1278+27.25	39.95' RT	1094.54	568953.38	741308.79
326	1278+27.00	31.82' RT	1093.64	568956.75	741301.40
327	1278+20.16	26.50' RT	1093.50	568952.97	741293.60
328	1278+26.48	27.00' RT	1093.51	568958.42	741296.84
329	1278+14.29	68.97' RT	1094.52	568928.92	741329.09
330	1278+20.22	70.03' RT	1094.59	568933.78	741332.66
331	1278+32.48	27.00' RT	1093.88	568963.80	741299.49



LEGEND

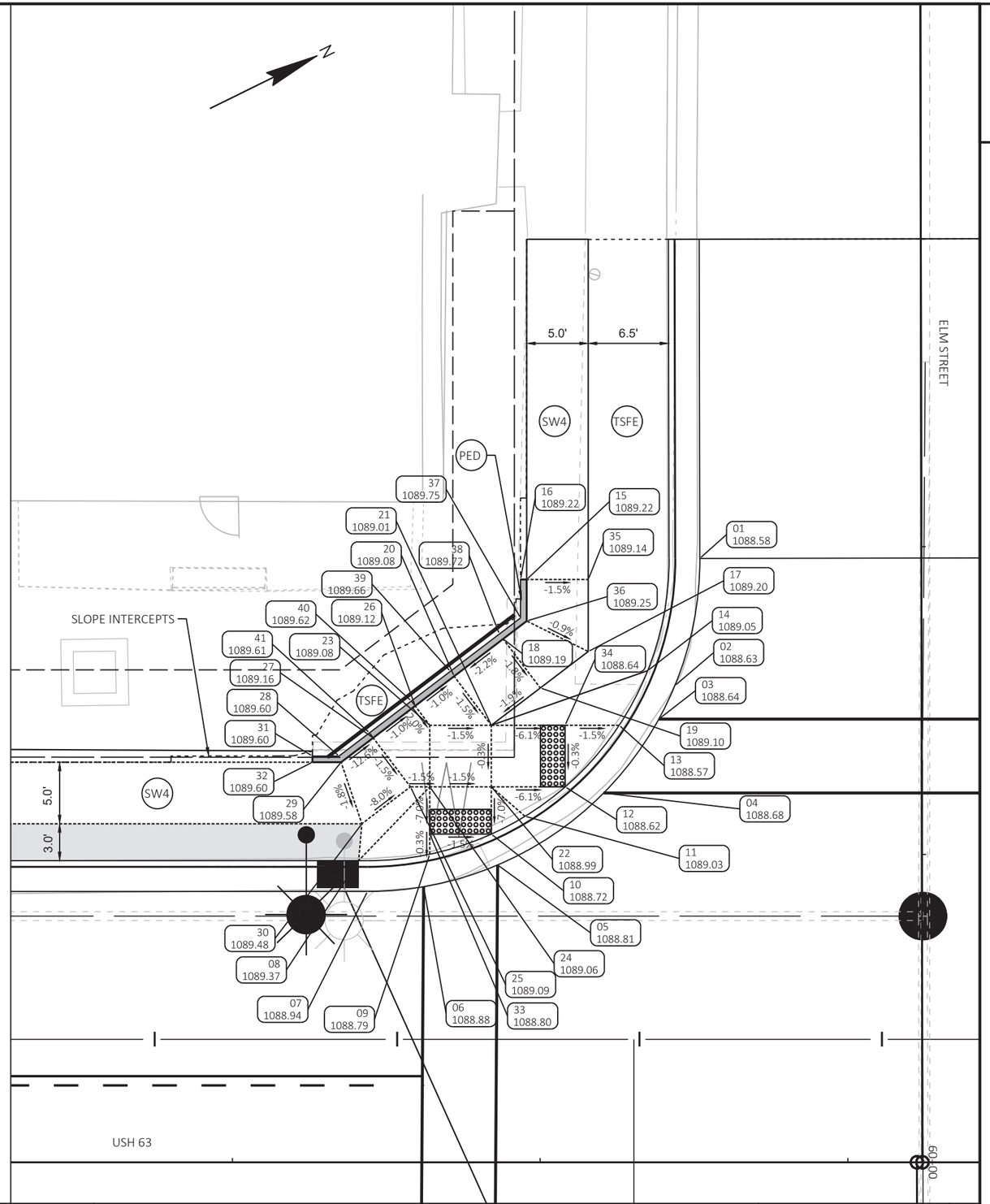
XX XXXX.XX	POINT NUMBER/ELEVATION
TSFE	TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EROSION MAT URBAN CLASS TYPE A
PED	CONCRETE CURB PEDESTRIAN
CP6	CONCRETE PAVEMENT 6-INCH
AS	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
SW4	CONCRETE SIDEWALK 4-INCH
	CONCRETE SIDEWALK 4-INCH AND COLORED CONCRETE CUSTOM

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CURB RAMP DETAIL - WALNUT STREET NE	SHEET 61	E

ELM STREET SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
01	1281+62.97	49.05' LT	1088.58	569293.85	741377.44
02	1281+60.93	38.70' LT	1088.63	569287.44	741385.81
03	1281+59.64	36.00' LT	1088.64	569285.09	741387.66
04	1281+55.15	30.00' LT	1088.68	569278.41	741391.06
05	1281+46.55	24.16' LT	1088.81	569268.11	741392.50
06	1281+40.53	22.39' LT	1088.88	569261.93	741391.42
07	1281+35.97	22.00' LT	1088.94	569257.67	741389.76
08	1281+35.25	24.51' LT	1089.37	569258.14	741387.19
09	1281+41.03	25.03' LT	1088.79	569263.55	741389.28
10	1281+46.03	26.66' LT	1088.72	569268.76	741390.02
11	1281+48.76	28.11' LT	1089.03	569271.84	741389.93
12	1281+52.03	30.50' LT	1088.62	569275.83	741389.23
13	1281+56.42	35.50' LT	1088.57	569281.98	741386.69
14	1281+58.73	39.93' LT	1089.05	569286.01	741383.74
15	1281+48.91	47.34' LT	1089.22	569280.48	741372.75
16	1281+48.41	47.34' LT	1089.22	569280.03	741372.53
17	1281+53.91	41.49' LT	1089.20	569282.37	741380.21
18	1281+46.99	42.51' LT	1089.19	569276.62	741376.23
19	1281+50.01	38.53' LT	1089.10	569277.57	741381.14
20	1281+43.01	39.48' LT	1089.08	569271.71	741377.19
21	1281+46.03	35.50' LT	1089.01	569272.66	741382.10
22	1281+46.03	30.50' LT	1088.99	569270.45	741386.58
23	1281+41.03	35.50' LT	1089.08	569268.18	741379.89
24	1281+41.03	30.50' LT	1089.06	569265.97	741384.37
25	1281+39.46	30.50' LT	1089.09	569264.56	741383.67
26	1281+39.84	37.07' LT	1089.12	569267.80	741377.95
27	1281+36.43	34.48' LT	1089.16	569263.60	741378.77
28	1281+33.66	33.00' LT	1089.60	569260.46	741378.87
29	1281+33.83	32.50' LT	1089.58	569260.39	741379.39
30	1281+35.51	27.50' LT	1089.48	569259.69	741384.62
31	1281+31.50	33.00' LT	1089.60	569258.52	741377.91
32	1281+31.50	32.50' LT	1089.60	569258.30	741378.36
33	1281+41.03	26.66' LT	1088.80	569264.27	741387.81
34	1281+52.03	35.50' LT	1088.64	569278.04	741384.75
35	1281+53.91	47.34' LT	1089.14	569284.96	741374.96
36	1281+48.91	43.97' LT	1089.25	569278.99	741375.77
37	1281+48.41	44.22' LT	1089.75	569278.65	741375.33
38	1281+46.68	42.90' LT	1089.72	569276.52	741375.74
39	1281+42.70	39.88' LT	1089.66	569271.61	741376.70
40	1281+39.54	37.47' LT	1089.62	569267.71	741377.46
41	1281+36.13	34.88' LT	1089.61	569263.51	741378.28

LEGEND

- XX / XXXX.XX — POINT NUMBER/ELEVATION
- TSFE — TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EROSION MAT URBAN CLASS TYPE A
- PED — CONCRETE CURB PEDESTRIAN
- CP6 — CONCRETE PAVEMENT 6-INCH
- AS — ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
- SW4 — CONCRETE SIDEWALK 4-INCH
- CONCRETE SIDEWALK 4-INCH AND COLORED CONCRETE CUSTOM



PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CURB RAMP DETAIL - ELM STREET SW	SHEET 62	E

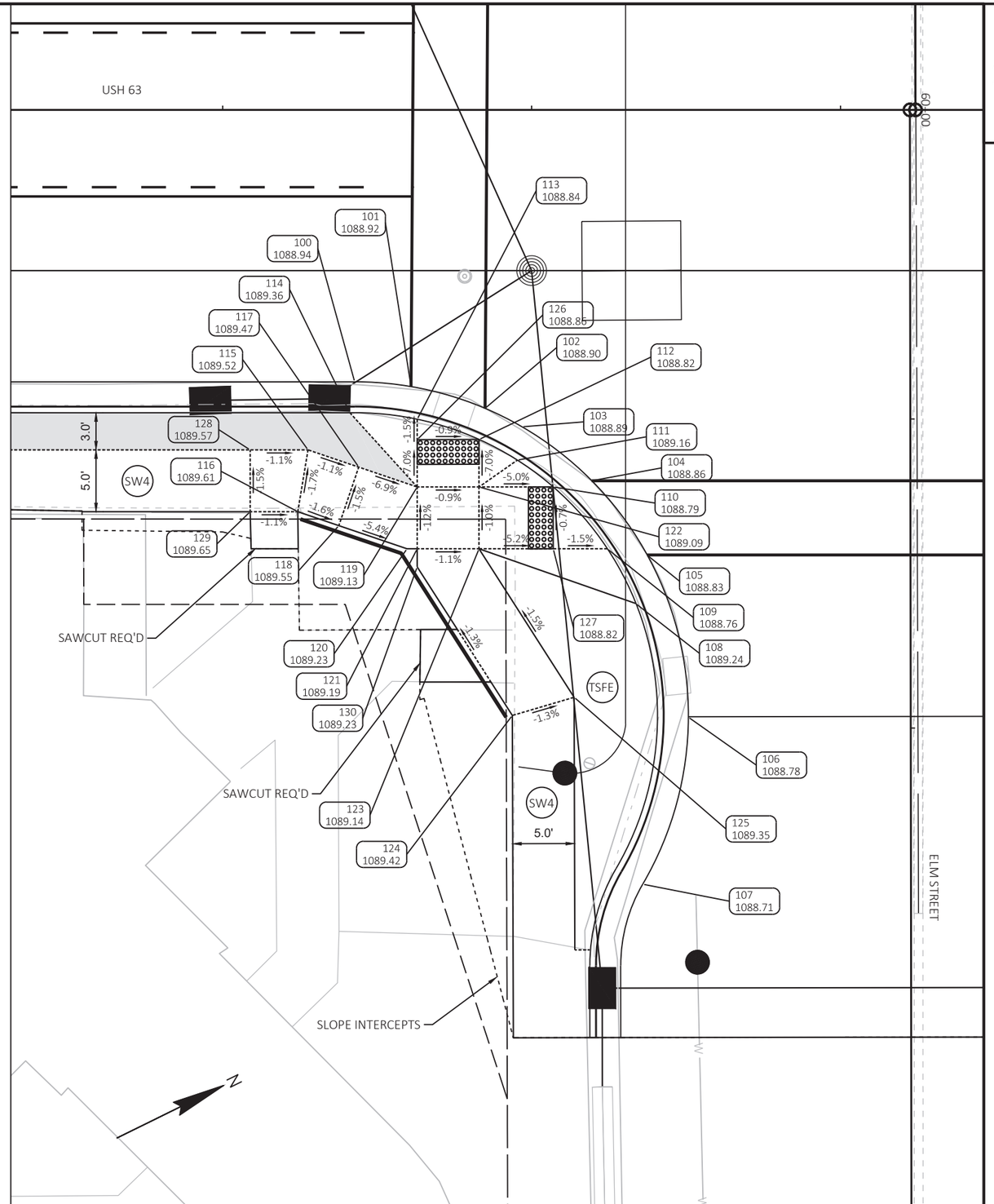
FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\023106 CR.DWG
LAYOUT NAME - ELM ST SW

PLOT DATE : 8/24/2021 2:12 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

ELM STREET SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
100	1281+35.68	22.00' RT	1088.94	569237.95	741429.09
101	1281+40.24	22.39' RT	1088.92	569241.87	741431.46
102	1281+46.23	24.15' RT	1088.90	569246.47	741435.68
103	1281+49.21	25.64' RT	1088.89	569248.48	741438.34
104	1281+54.87	30.00' RT	1088.86	569251.62	741444.75
105	1281+59.35	36.00' RT	1088.83	569252.99	741452.11
106	1281+62.68	49.11' RT	1088.78	569250.18	741465.35
107	1281+58.99	62.63' RT	1088.71	569240.89	741475.84
108	1281+58.42	39.92' RT	1089.24	569250.42	741455.22
109	1281+56.13	35.50' RT	1088.76	569250.32	741450.24
110	1281+51.74	30.50' RT	1088.79	569248.60	741443.82
111	1281+48.84	28.33' RT	1089.16	569246.95	741440.59
112	1281+45.74	26.66' RT	1088.82	569244.92	741437.72
113	1281+40.74	25.03' RT	1088.84	569241.15	741434.05
114	1281+35.30	24.50' RT	1089.36	569236.50	741431.16
115	1281+31.91	27.50' RT	1089.52	569232.13	741432.35
116	1281+31.08	32.50' RT	1089.61	569229.18	741436.47
117	1281+36.01	28.89' RT	1089.47	569235.20	741435.42
118	1281+34.40	33.63' RT	1089.55	569231.66	741438.95
119	1281+40.74	30.50' RT	1089.13	569238.73	741438.95
120	1281+39.92	35.50' RT	1089.23	569235.78	741443.07
121	1281+40.74	35.50' RT	1089.19	569236.52	741443.44
122	1281+45.74	30.50' RT	1089.09	569243.22	741441.16
123	1281+45.74	35.50' RT	1089.14	569241.01	741445.65
124	1281+48.44	48.98' RT	1089.42	569237.47	741458.93
125	1281+53.44	47.51' RT	1089.35	569242.60	741459.82
126	1281+40.74	26.67' RT	1088.86	569240.43	741435.52
127	1281+51.75	35.50' RT	1088.82	569246.40	741448.31
128	1281+27.22	27.50' RT	1089.57	569227.93	741430.28
129	1281+27.22	32.50' RT	1089.65	569225.72	741434.77
130	1281+40.74	36.96' RT	1089.23	569235.88	741444.75

LEGEND

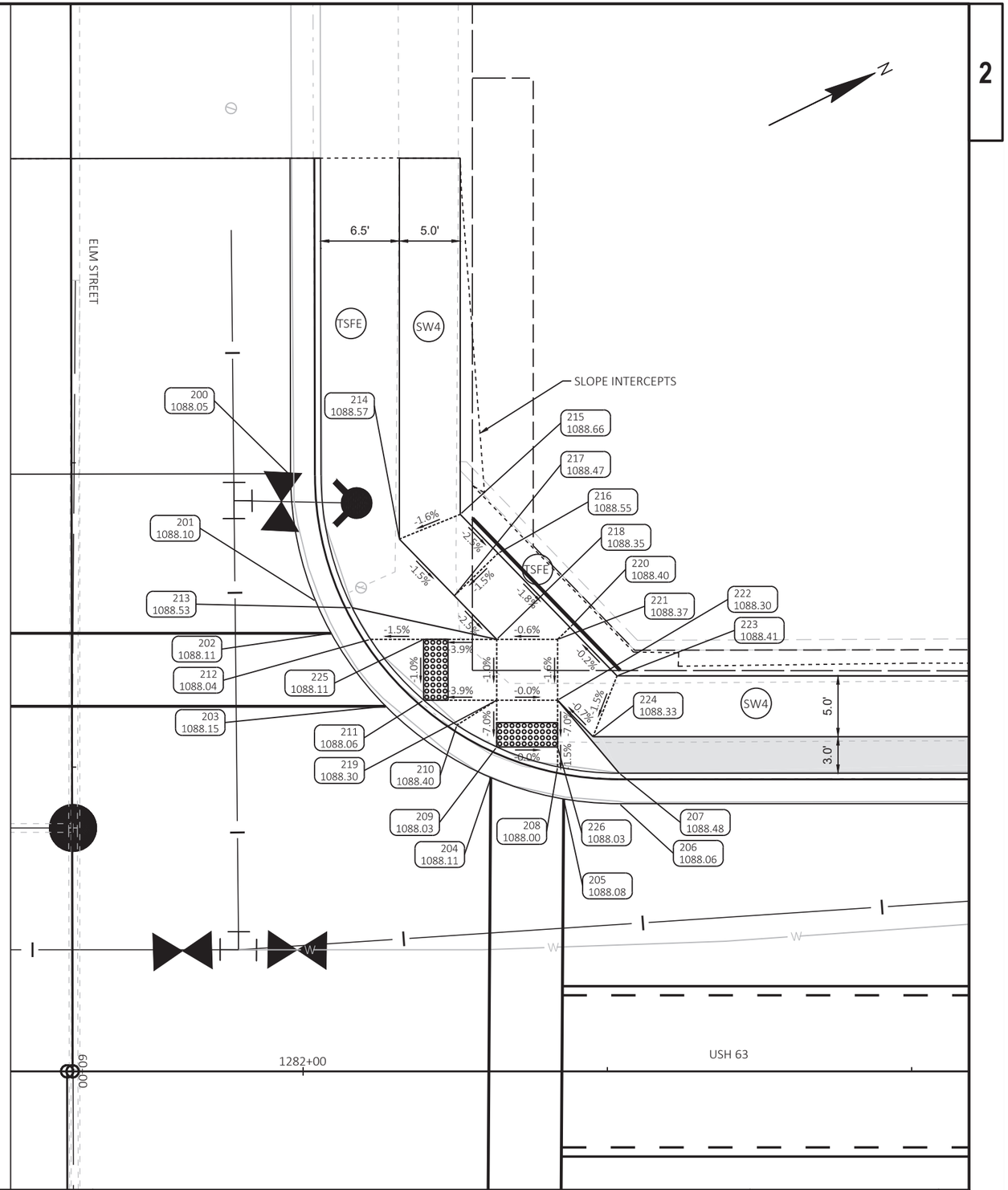
- XX / XXXX.XX — POINT NUMBER/ELEVATION
- TSFE — TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EROSION MAT URBAN CLASS TYPE A
- PED — CONCRETE CURB PEDESTRIAN
- CP6 — CONCRETE PAVEMENT 6-INCH
- AS — ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
- SW4 — CONCRETE SIDEWALK 4-INCH
- CONCRETE SIDEWALK 4-INCH AND COLORED CONCRETE CUSTOM



PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CURB RAMP DETAIL - ELM STREET SE	SHEET 63	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\023106 CR.DWG
LAYOUT NAME - ELM ST SE
PLOT DATE : 8/24/2021 2:13 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

ELM STREET NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
200	1281+98.97	48.95' LT	1088.05	569326.09	741393.44
201	1282+01.04	38.63' LT	1088.10	569323.39	741403.61
202	1282+02.31	36.00' LT	1088.11	569323.36	741406.53
203	1282+06.79	30.00' LT	1088.15	569324.72	741413.90
204	1282+15.42	24.15' LT	1088.11	569329.88	741422.96
205	1282+21.41	22.39' LT	1088.08	569334.47	741427.19
206	1282+25.97	22.00' LT	1088.06	569338.39	741429.56
207	1282+25.97	24.50' LT	1088.48	569339.50	741427.31
208	1282+20.91	25.03' LT	1088.00	569335.19	741424.60
209	1282+15.91	26.66' LT	1088.03	569331.43	741420.92
210	1282+12.64	28.46' LT	1088.40	569329.29	741417.87
211	1282+09.91	30.50' LT	1088.06	569327.74	741414.83
212	1282+05.53	35.50' LT	1088.04	569326.02	741408.41
213	1282+04.03	38.10' LT	1088.53	569325.83	741405.41
214	1282+07.91	43.74' LT	1088.57	569331.81	741402.06
215	1282+12.91	45.77' LT	1088.66	569337.19	741402.46
216	1282+16.01	42.57' LT	1088.55	569338.56	741406.70
217	1282+12.43	39.09' LT	1088.47	569333.80	741408.24
218	1282+15.91	35.50' LT	1088.35	569335.34	741413.00
219	1282+15.91	30.50' LT	1088.30	569333.13	741417.48
220	1282+21.92	36.48' LT	1088.40	569341.16	741414.77
221	1282+20.91	35.50' LT	1088.37	569339.82	741415.21
222	1282+20.91	30.50' LT	1088.30	569337.61	741419.69
223	1282+25.79	32.50' LT	1088.41	569342.87	741420.06
224	1282+23.82	27.50' LT	1088.33	569338.89	741423.67
225	1282+09.90	35.50' LT	1088.11	569329.95	741410.34
226	1282+20.91	26.66' LT	1088.03	569335.91	741423.14



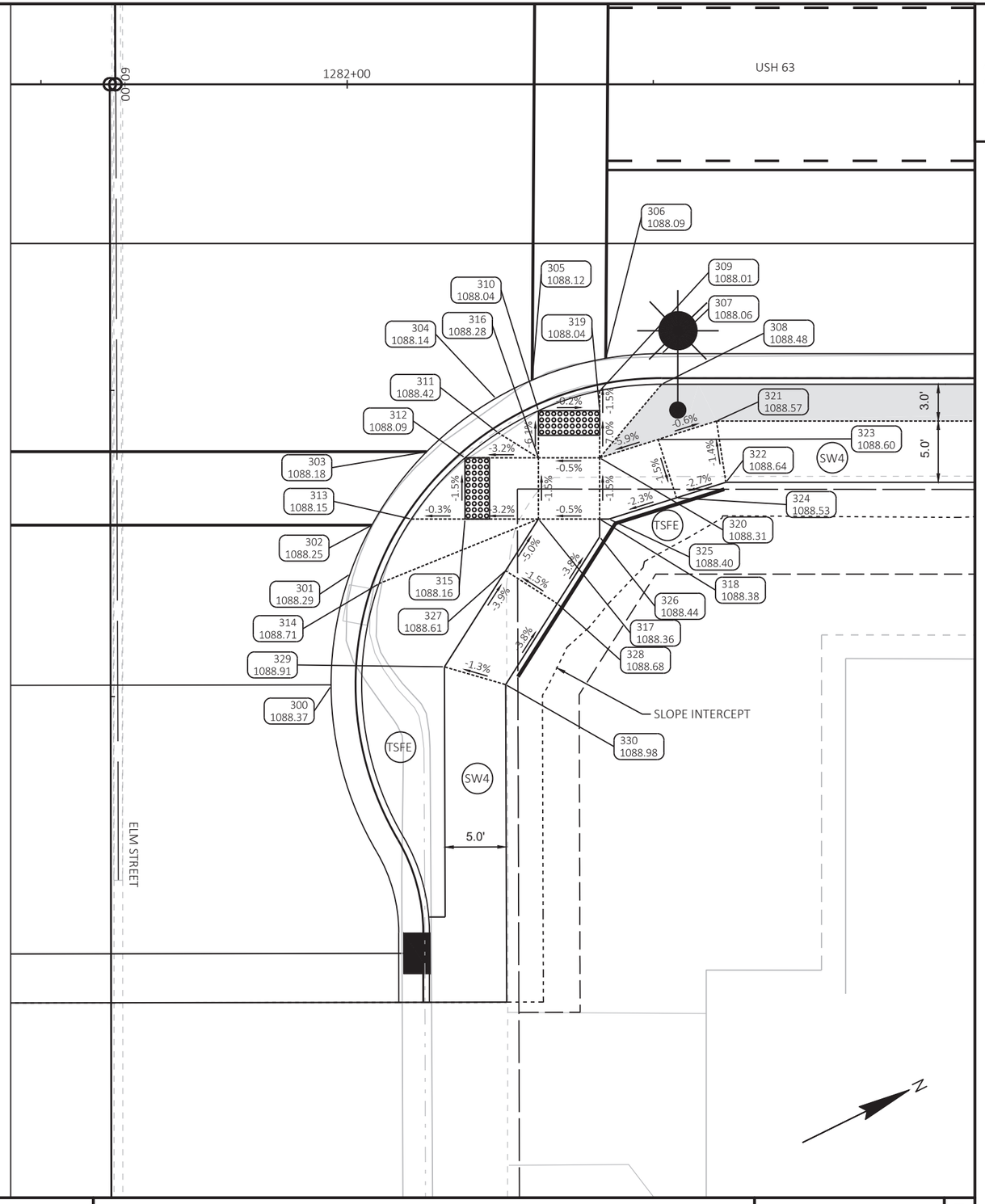
LEGEND

XX XXXX.XX	POINT NUMBER/ELEVATION
TSFE	TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EROSION MAT URBAN CLASS TYPE A
PED	CONCRETE CURB PEDESTRIAN
CP6	CONCRETE PAVEMENT 6-INCH
AS	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
SW4	CONCRETE SIDEWALK 4-INCH
	CONCRETE SIDEWALK 4-INCH AND COLORED CONCRETE CUSTOM

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CURB RAMP DETAIL - ELM STREET NW	SHEET	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\023106 CR.DWG
LAYOUT NAME - ELM ST NW
PLOT DATE : 8/24/2021 2:13 PM
PLOT BY : ANNIE JEROME
PLOT NAME :
PLOT SCALE : 1 IN:10 FT

ELM STREET NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
300	1281+98.68	49.14' RT	1088.37	569282.46	741481.29
301	1282+00.23	40.00' RT	1088.29	569287.88	741473.78
302	1282+02.02	36.00' RT	1088.25	569291.26	741470.98
303	1282+06.50	30.00' RT	1088.18	569297.93	741467.58
304	1282+12.13	25.65' RT	1088.14	569304.91	741466.17
305	1282+15.11	24.16' RT	1088.12	569308.24	741466.15
306	1282+21.12	22.39' RT	1088.09	569314.41	741467.22
307	1282+25.68	22.00' RT	1088.06	569318.67	741468.89
308	1282+25.68	24.50' RT	1088.48	569317.57	741471.13
309	1282+20.62	25.03' RT	1088.01	569312.79	741469.37
310	1282+15.62	26.66' RT	1088.04	569307.59	741468.62
311	1282+12.34	28.46' RT	1088.42	569303.85	741468.79
312	1282+09.62	30.50' RT	1088.09	569300.51	741469.41
313	1282+05.24	35.50' RT	1088.15	569294.37	741471.96
314	1282+02.62	40.76' RT	1088.71	569289.69	741475.52
315	1282+09.62	35.50' RT	1088.16	569298.30	741473.90
316	1282+15.62	30.50' RT	1088.28	569305.89	741472.07
317	1282+15.62	35.50' RT	1088.36	569303.68	741476.55
318	1282+20.62	35.50' RT	1088.38	569308.16	741478.76
319	1282+20.62	26.65' RT	1088.04	569312.08	741470.82
320	1282+20.62	30.50' RT	1088.31	569310.37	741474.28
321	1282+30.16	27.50' RT	1088.57	569320.26	741475.80
322	1282+30.93	32.50' RT	1088.64	569318.73	741480.63
323	1282+25.39	29.00' RT	1088.60	569315.32	741475.04
324	1282+26.89	33.77' RT	1088.53	569314.55	741479.98
325	1282+21.39	35.50' RT	1088.40	569308.85	741479.10
326	1282+20.62	36.96' RT	1088.44	569307.52	741480.07
327	1282+12.94	39.72' RT	1088.61	569299.41	741479.15
328	1282+17.15	42.40' RT	1088.68	569302.00	741483.42
329	1282+07.94	47.57' RT	1088.91	569291.45	741483.98
330	1282+12.94	49.02' RT	1088.98	569295.30	741487.49

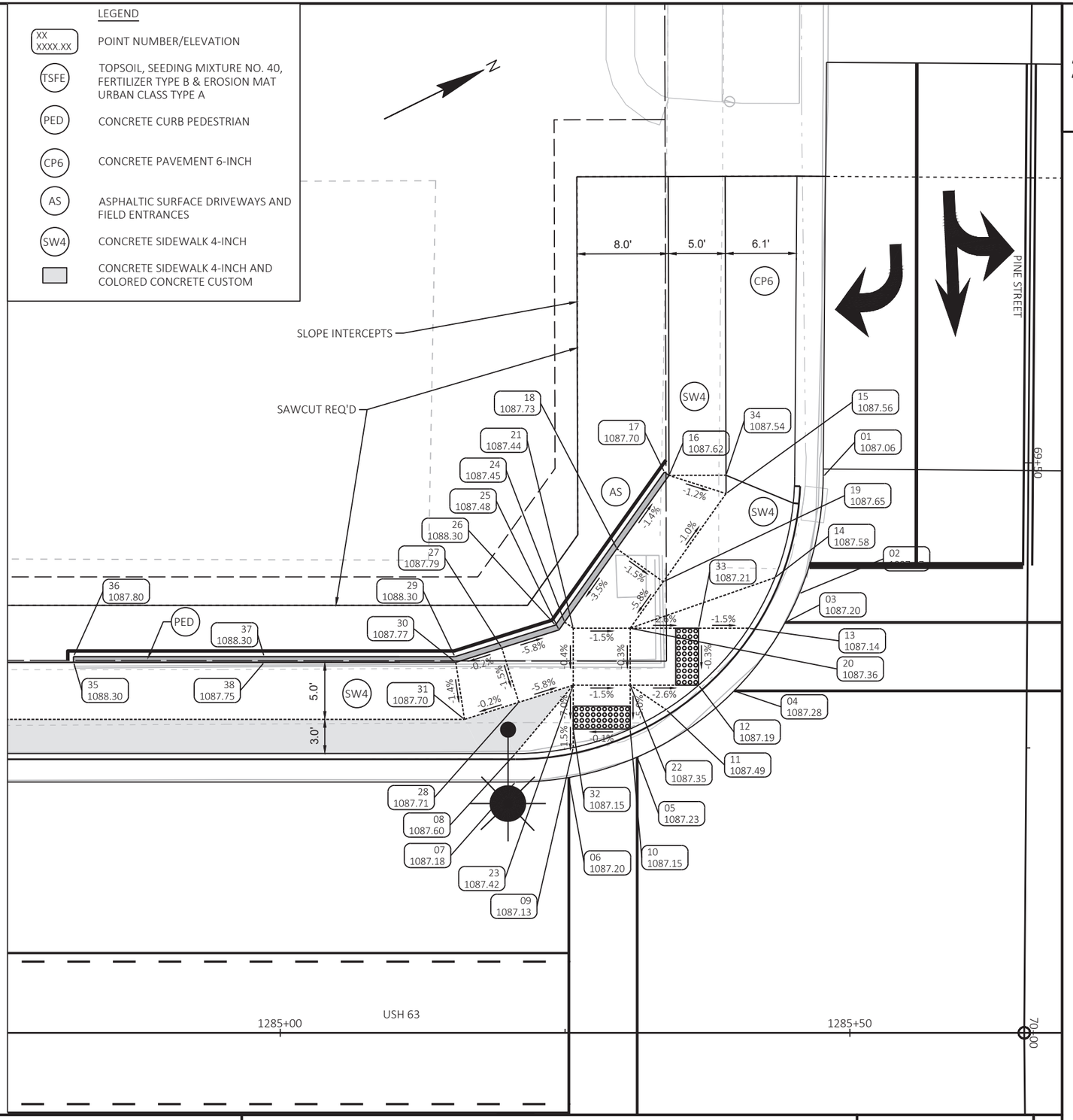


LEGEND

XX XXXX.XX	POINT NUMBER/ELEVATION
TSFE	TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EROSION MAT URBAN CLASS TYPE A
PED	CONCRETE CURB PEDESTRIAN
CP6	CONCRETE PAVEMENT 6-INCH
AS	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
SW4	CONCRETE SIDEWALK 4-INCH
	CONCRETE SIDEWALK 4-INCH AND COLORED CONCRETE CUSTOM

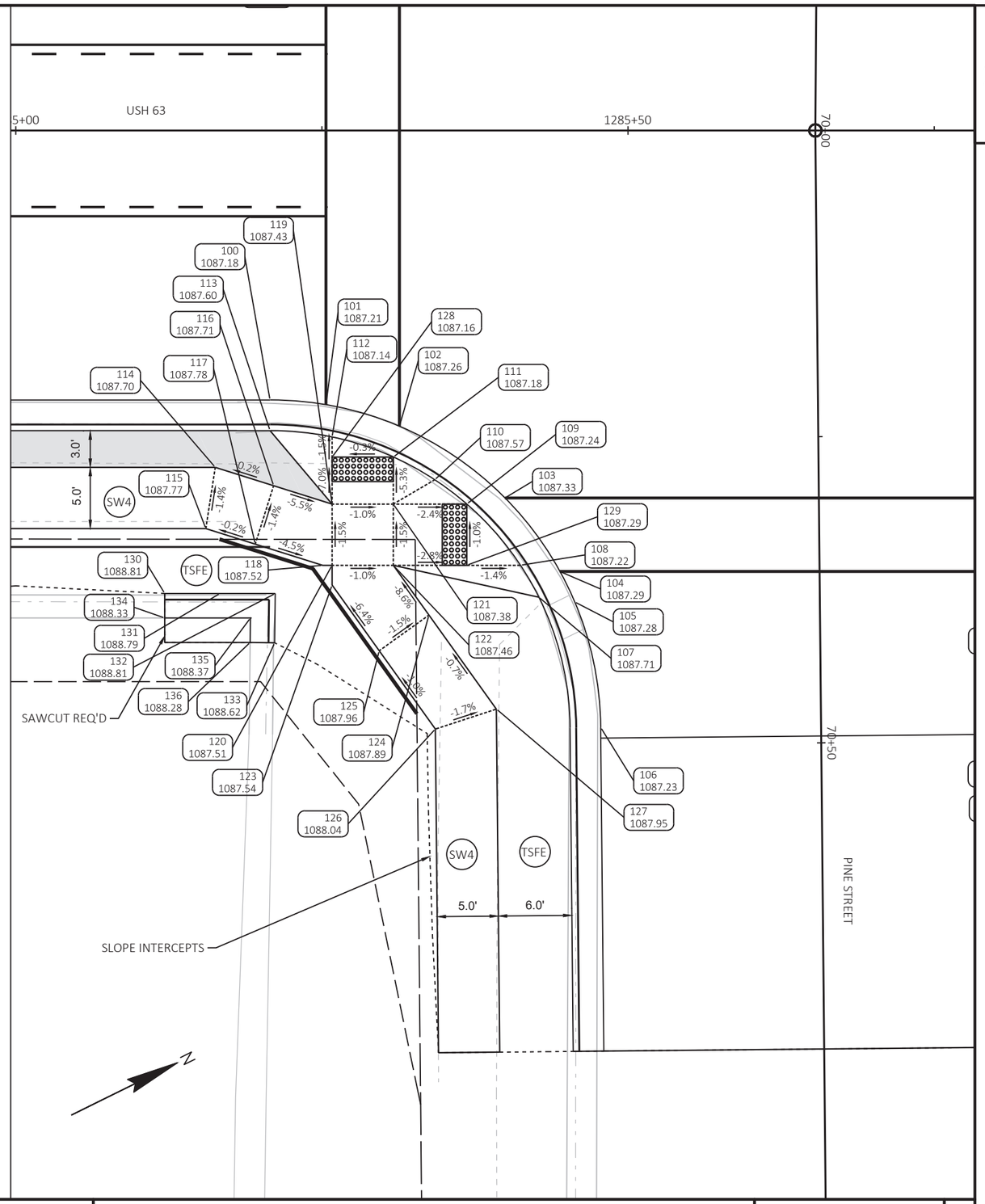
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CURB RAMP DETAIL - ELM STREET NE	SHEET 65	E

PINE STREET SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
01	1285+47.65	48.80' LT	1087.06	569638.76	741547.77
02	1285+45.54	38.53' LT	1087.17	569632.33	741556.05
03	1285+44.32	36.00' LT	1087.20	569630.11	741557.78
04	1285+39.84	30.00' LT	1087.28	569623.44	741561.18
05	1285+31.33	24.20' LT	1087.23	569613.24	741562.62
06	1285+25.33	22.41' LT	1087.20	569607.07	741561.57
07	1285+20.65	22.00' LT	1087.18	569602.69	741559.87
08	1285+20.65	24.50' LT	1087.60	569603.80	741557.63
09	1285+25.72	25.03' LT	1087.13	569608.57	741559.39
10	1285+30.72	26.66' LT	1087.15	569613.78	741560.14
11	1285+33.86	28.36' LT	1087.49	569617.35	741560.00
12	1285+36.72	30.50' LT	1087.19	569620.86	741559.35
13	1285+41.10	35.50' LT	1087.14	569627.00	741556.80
14	1285+43.41	39.93' LT	1087.58	569631.04	741553.85
15	1285+39.13	47.31' LT	1087.56	569630.46	741545.34
16	1285+34.12	48.90' LT	1087.62	569626.67	741541.70
17	1285+33.72	49.19' LT	1087.70	569626.43	741541.26
18	1285+29.55	42.47' LT	1087.73	569619.72	741545.44
19	1285+33.62	39.57' LT	1087.65	569622.09	741549.84
20	1285+30.72	35.50' LT	1087.36	569617.69	741552.21
21	1285+25.72	35.50' LT	1087.44	569613.20	741550.00
22	1285+30.72	30.50' LT	1087.35	569615.48	741556.70
23	1285+25.72	30.50' LT	1087.42	569610.99	741554.49
24	1285+24.96	36.04' LT	1087.45	569612.76	741549.18
25	1285+24.47	35.35' LT	1087.48	569612.02	741549.58
26	1285+24.16	35.78' LT	1088.30	569611.93	741549.06
27	1285+19.45	33.77' LT	1087.79	569606.82	741548.78
28	1285+20.95	29.00' LT	1087.71	569606.05	741553.72
29	1285+15.33	33.00' LT	1088.30	569602.79	741547.65
30	1285+15.41	32.50' LT	1087.77	569602.63	741548.13
31	1285+16.18	27.50' LT	1087.70	569601.11	741552.96
32	1285+25.72	26.66' LT	1087.15	569609.30	741557.93
33	1285+36.72	35.50' LT	1087.21	569623.07	741554.86
34	1285+39.12	48.91' LT	1087.54	569631.16	741543.90
35	1284+81.87	32.51' LT	1088.30	569572.55	741533.29
36	1284+81.87	33.02' LT	1087.80	569572.78	741532.83
37	1284+98.60	33.00' LT	1088.30	569587.78	741540.25
38	1284+98.60	32.50' LT	1087.75	569587.56	741540.70



PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CURB RAMP DETAIL - PINE STREET SW	SHEET 66	E

PINE STREET SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
100	1285+20.77	22.00' RT	1087.18	569583.34	741599.38
101	1285+25.33	22.39' RT	1087.21	569587.26	741601.75
102	1285+31.33	24.15' RT	1087.26	569591.86	741605.98
103	1285+39.95	30.00' RT	1087.33	569597.01	741615.04
104	1285+44.43	36.00' RT	1087.29	569598.37	741622.41
105	1285+45.64	38.49' RT	1087.28	569598.35	741625.17
106	1285+47.77	48.74' RT	1087.23	569595.73	741635.31
107	1285+42.71	38.10' RT	1087.71	569595.90	741623.53
108	1285+41.21	35.50' RT	1087.22	569595.70	741620.53
109	1285+36.83	30.50' RT	1087.24	569593.99	741614.11
110	1285+34.21	28.52' RT	1087.57	569592.51	741611.17
111	1285+30.83	26.66' RT	1087.18	569590.30	741608.01
112	1285+25.83	25.03' RT	1087.14	569586.54	741604.34
113	1285+20.77	24.50' RT	1087.60	569582.23	741601.63
114	1285+16.29	27.50' RT	1087.70	569576.89	741602.34
115	1285+15.52	32.50' RT	1087.77	569573.99	741606.48
116	1285+21.06	29.00' RT	1087.71	569580.50	741605.79
117	1285+19.56	33.77' RT	1087.78	569577.05	741609.41
118	1285+25.06	35.50' RT	1087.52	569581.22	741613.39
119	1285+25.83	30.50' RT	1087.43	569584.12	741609.25
120	1285+25.83	35.50' RT	1087.51	569581.91	741613.73
121	1285+30.83	30.50' RT	1087.38	569588.60	741611.46
122	1285+30.83	35.50' RT	1087.46	569586.39	741615.94
123	1285+25.83	37.11' RT	1087.54	569581.20	741615.17
124	1285+33.74	39.56' RT	1087.89	569587.21	741620.87
125	1285+29.68	42.48' RT	1087.96	569582.28	741621.69
126	1285+34.27	48.87' RT	1088.04	569583.56	741629.45
127	1285+39.25	47.24' RT	1087.95	569588.75	741630.20
128	1285+25.83	26.66' RT	1087.16	569585.82	741605.80
129	1285+36.83	35.50' RT	1087.29	569591.77	741618.60
130	1285+12.17	37.80' RT	1088.81	569568.64	741609.75
131	1285+16.68	37.80' RT	1088.79	569572.68	741611.75
132	1285+21.19	37.80' RT	1088.81	569576.73	741613.74
133	1285+21.14	41.83' RT	1088.62	569574.91	741617.33
134	1285+12.17	39.80' RT	1088.33	569567.75	741611.55
135	1285+19.17	39.80' RT	1088.37	569574.03	741614.64
136	1285+19.14	41.80' RT	1088.28	569573.12	741616.42



LEGEND

XX XXXX.XX	POINT NUMBER/ELEVATION
TSFE	TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EROSION MAT URBAN CLASS TYPE A
PED	CONCRETE CURB PEDESTRIAN
CP6	CONCRETE PAVEMENT 6-INCH
AS	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
SW4	CONCRETE SIDEWALK 4-INCH
	CONCRETE SIDEWALK 4-INCH AND COLORED CONCRETE CUSTOM

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CURB RAMP DETAIL - PINE STREET SE	SHEET 67	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\023107 CR.DWG
LAYOUT NAME - PINE ST SE

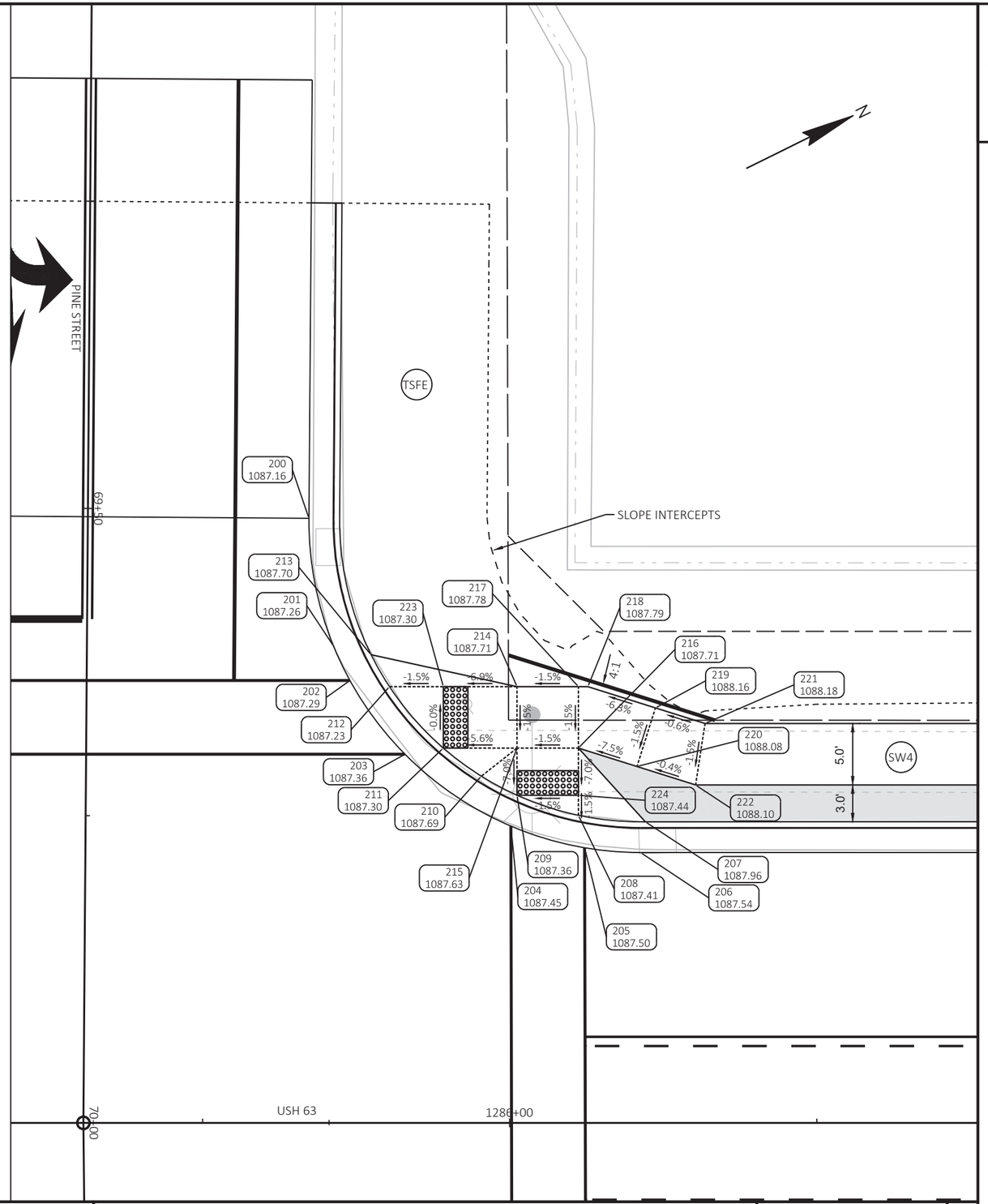
PLOT DATE : 8/24/2021 2:16 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

PINE STREET NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
200	1285+83.66	49.20' LT	1087.16	569671.23	741563.34
201	1285+85.65	38.81' LT	1087.26	569668.43	741573.54
202	1285+86.99	36.00' LT	1087.29	569668.38	741576.65
203	1285+91.47	30.00' LT	1087.36	569669.75	741584.01
204	1286+00.09	24.15' LT	1087.45	569674.90	741593.07
205	1286+06.10	22.39' LT	1087.50	569679.50	741597.31
206	1286+10.66	22.00' LT	1087.54	569683.42	741599.67
207	1286+11.04	24.50' LT	1087.96	569684.87	741597.60
208	1286+05.59	25.03' LT	1087.41	569680.22	741594.72
209	1286+00.59	26.66' LT	1087.36	569676.45	741591.04
210	1285+97.70	28.22' LT	1087.69	569674.55	741588.36
211	1285+94.59	30.50' LT	1087.30	569672.77	741584.94
212	1285+90.21	35.50' LT	1087.23	569671.05	741578.52
213	1285+88.71	38.10' LT	1087.70	569670.86	741575.53
214	1286+00.59	35.50' LT	1087.71	569680.36	741583.11
215	1286+00.59	30.50' LT	1087.63	569678.15	741587.60
216	1286+05.59	30.50' LT	1087.71	569682.64	741589.81
217	1286+05.59	35.50' LT	1087.78	569684.85	741585.32
218	1286+06.36	35.50' LT	1087.79	569685.54	741585.66
219	1286+11.86	33.77' LT	1088.16	569689.71	741589.65
220	1286+10.36	29.00' LT	1088.08	569686.25	741593.26
221	1286+15.90	32.50' LT	1088.18	569692.76	741592.57
222	1286+15.13	27.50' LT	1088.10	569689.87	741596.72
223	1285+94.59	35.50' LT	1087.30	569674.98	741580.46
224	1286+05.59	26.66' LT	1087.44	569680.94	741593.25

LEGEND

- XX / XXXX.XX — POINT NUMBER/ELEVATION
- TSFE — TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EROSION MAT URBAN CLASS TYPE A
- PED — CONCRETE CURB PEDESTRIAN
- CP6 — CONCRETE PAVEMENT 6-INCH
- AS — ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
- SW4 — CONCRETE SIDEWALK 4-INCH
- CONCRETE SIDEWALK 4-INCH AND COLORED CONCRETE CUSTOM



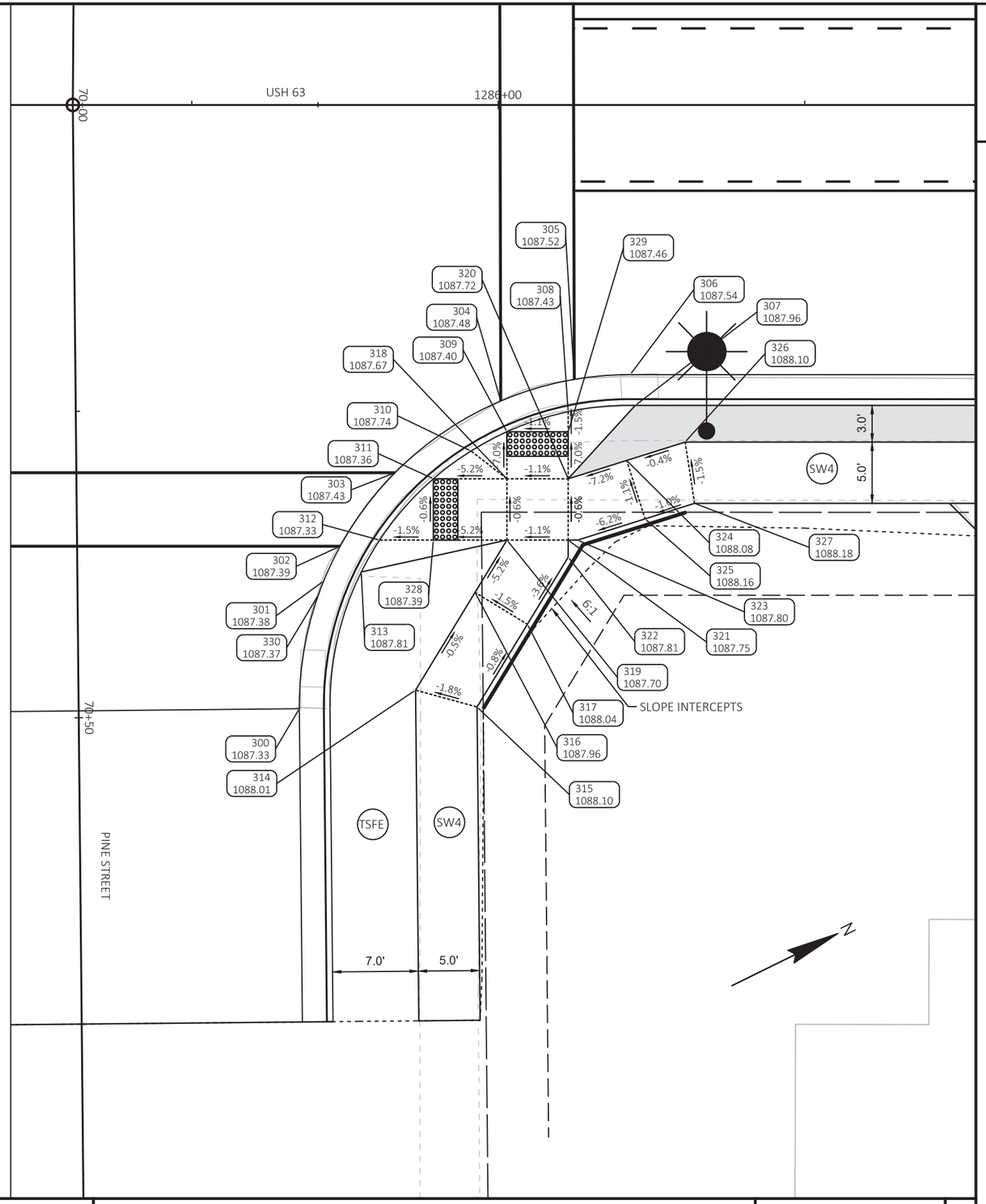
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CURB RAMP DETAIL - PINE STREET NW	SHEET 68	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\023107 CR.DWG
LAYOUT NAME - PINE ST NW

PLOT DATE : 8/24/2021 2:17 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

PINE STREET NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
300	1285+83.77	49.26' RT	1087.33	569627.79	741651.70
301	1285+85.75	38.85' RT	1087.38	569634.17	741643.23
302	1285+87.11	36.00' RT	1087.39	569636.65	741641.28
303	1285+91.59	30.00' RT	1087.43	569643.32	741637.88
304	1286+00.21	24.15' RT	1087.48	569653.64	741636.44
305	1286+06.20	22.39' RT	1087.52	569659.80	741637.52
306	1286+10.77	22.00' RT	1087.54	569664.06	741639.19
307	1286+11.18	24.51' RT	1087.96	569663.32	741641.62
308	1286+05.71	25.03' RT	1087.43	569658.18	741639.66
309	1286+00.71	26.66' RT	1087.40	569652.98	741638.92
310	1285+97.78	28.23' RT	1087.74	569649.65	741639.03
311	1285+94.71	30.50' RT	1087.36	569645.90	741639.71
312	1285+90.33	35.50' RT	1087.33	569639.76	741642.25
313	1285+88.83	38.10' RT	1087.81	569637.26	741643.92
314	1285+93.26	47.74' RT	1088.01	569636.97	741654.53
315	1285+98.27	49.12' RT	1088.10	569640.86	741657.98
316	1285+98.11	39.77' RT	1087.96	569644.85	741649.53
317	1286+02.38	42.37' RT	1088.04	569647.53	741653.75
318	1286+00.71	30.50' RT	1087.67	569651.28	741642.36
319	1286+00.71	35.50' RT	1087.70	569649.07	741646.84
320	1286+05.71	30.50' RT	1087.72	569655.76	741644.57
321	1286+05.71	35.50' RT	1087.75	569653.55	741649.06
322	1286+05.71	36.90' RT	1087.81	569652.93	741650.31
323	1286+06.48	35.50' RT	1087.80	569654.24	741649.39
324	1286+10.48	29.00' RT	1088.08	569660.70	741645.33
325	1286+11.98	33.77' RT	1088.16	569659.94	741650.28
326	1286+15.25	27.50' RT	1088.10	569665.65	741646.10
327	1286+16.02	32.50' RT	1088.18	569664.12	741650.92
328	1285+94.71	35.50' RT	1087.39	569643.69	741644.19
329	1286+05.71	26.66' RT	1087.46	569657.46	741641.13
330	1285+85.32	40.00' RT	1087.37	569633.27	741644.07



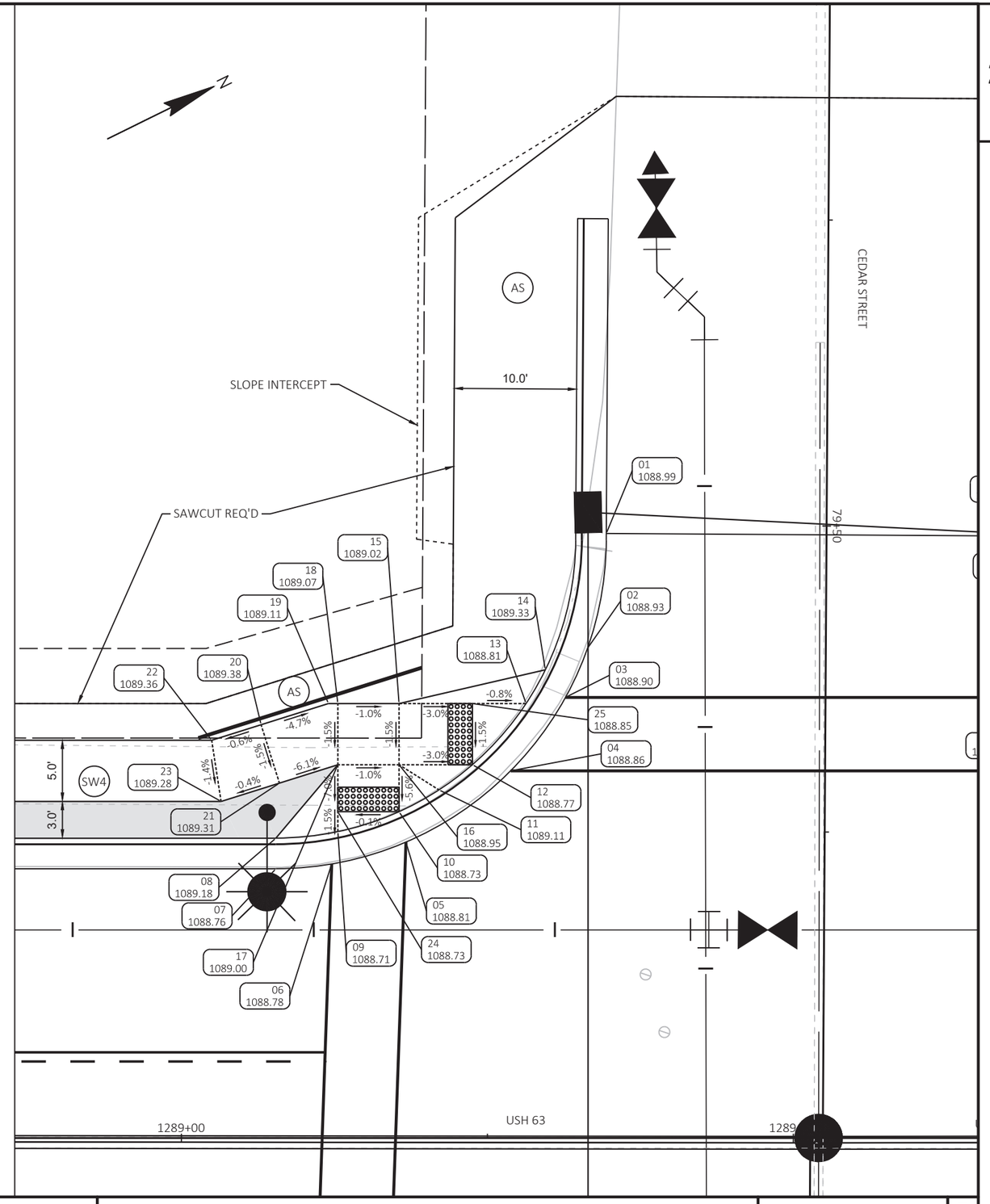
LEGEND

XX XXXX.XX	POINT NUMBER/ELEVATION
TSFE	TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EROSION MAT URBAN CLASS TYPE A
PED	CONCRETE CURB PEDESTRIAN
CP6	CONCRETE PAVEMENT 6-INCH
AS	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
SW4	CONCRETE SIDEWALK 4-INCH
	CONCRETE SIDEWALK 4-INCH AND COLORED CONCRETE CUSTOM

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CURB RAMP DETAIL - PINE STREET NE	SHEET 69	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\023107 CR.DWG
LAYOUT NAME - PINE ST NE
PLOT DATE : 8/24/2021 2:17 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

CEDAR STREET SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
01	1289+34.72	49.39' LT	1088.99	569986.18	741718.41
02	1289+33.17	40.00' LT	1088.93	569980.64	741726.15
03	1289+31.38	36.00' LT	1088.90	569977.27	741728.94
04	1289+26.90	30.00' LT	1088.86	569970.59	741732.34
05	1289+18.34	24.18' LT	1088.81	569960.35	741733.78
06	1289+12.28	22.39' LT	1088.78	569954.11	741732.71
07	1289+07.71	22.00' LT	1088.76	569949.85	741731.04
08	1289+07.71	24.50' LT	1089.18	569950.96	741728.79
09	1289+12.78	25.03' LT	1088.71	569955.73	741730.56
10	1289+17.78	26.66' LT	1088.73	569960.94	741731.31
11	1289+21.04	28.44' LT	1089.11	569964.65	741731.15
12	1289+23.78	30.50' LT	1088.77	569968.02	741730.52
13	1289+28.16	35.50' LT	1088.81	569974.16	741727.97
14	1289+29.73	38.26' LT	1089.33	569976.79	741726.19
15	1289+17.78	35.50' LT	1089.02	569964.85	741723.38
16	1289+17.78	30.50' LT	1088.95	569962.63	741727.86
17	1289+12.78	30.50' LT	1089.00	569958.15	741725.65
18	1289+12.78	35.50' LT	1089.07	569960.36	741721.17
19	1289+12.01	35.50' LT	1089.11	569959.67	741720.83
20	1289+06.51	33.77' LT	1089.38	569953.97	741719.95
21	1289+08.01	29.00' LT	1089.31	569953.21	741724.89
22	1289+02.47	32.50' LT	1089.36	569949.79	741719.30
23	1289+03.24	27.50' LT	1089.28	569948.27	741724.12
24	1289+12.78	26.66' LT	1088.73	569956.45	741729.09
25	1289+23.78	35.50' LT	1088.85	569970.23	741726.03

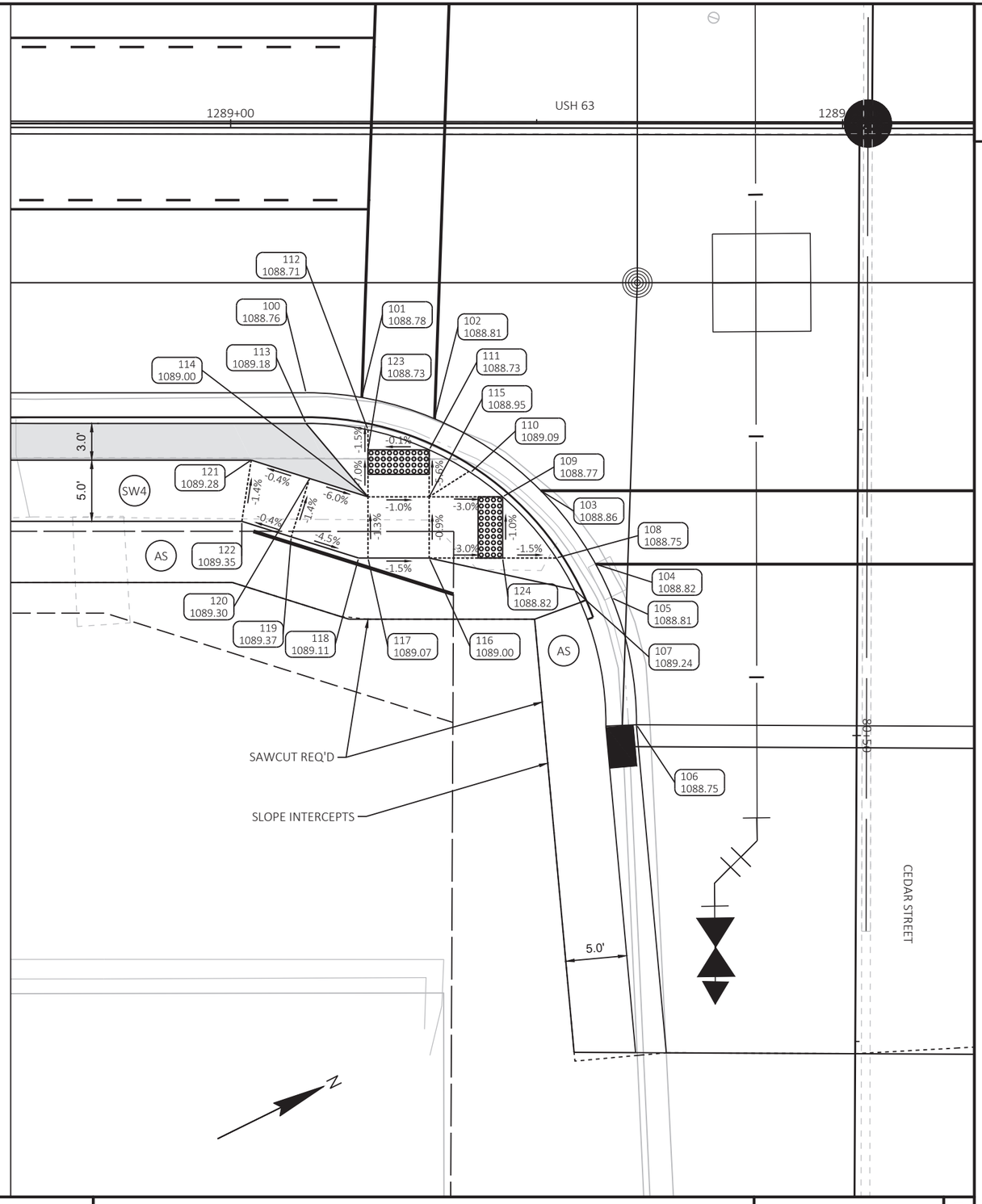


LEGEND

XX XXXX.XX	POINT NUMBER/ELEVATION
TSFE	TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EROSION MAT URBAN CLASS TYPE A
PED	CONCRETE CURB PEDESTRIAN
CP6	CONCRETE PAVEMENT 6-INCH
AS	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
SW4	CONCRETE SIDEWALK 4-INCH
	CONCRETE SIDEWALK 4-INCH AND COLORED CONCRETE CUSTOM

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CURB RAMP DETAIL - CEDAR STREET SW	SHEET 70	E

CEDAR STREET SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
100	1289+06.15	22.00' RT	1088.76	569928.99	741769.81
101	1289+10.72	22.39' RT	1088.78	569932.91	741772.18
102	1289+16.66	24.13' RT	1088.81	569937.48	741776.36
103	1289+25.34	30.00' RT	1088.86	569942.66	741785.47
104	1289+29.82	36.00' RT	1088.82	569944.03	741792.83
105	1289+31.14	38.75' RT	1088.81	569943.99	741795.88
106	1289+33.15	49.13' RT	1088.75	569941.21	741806.08
107	1289+28.10	38.10' RT	1089.24	569941.55	741793.95
108	1289+26.60	35.50' RT	1088.75	569941.36	741790.96
109	1289+22.22	30.50' RT	1088.77	569939.64	741784.54
110	1289+19.60	28.52' RT	1089.09	569938.17	741781.60
111	1289+16.22	26.66' RT	1088.73	569935.96	741778.44
112	1289+11.22	25.03' RT	1088.71	569932.19	741774.77
113	1289+06.15	24.50' RT	1089.18	569927.89	741772.05
114	1289+11.22	30.50' RT	1089.00	569929.78	741779.67
115	1289+16.22	30.50' RT	1088.95	569934.26	741781.88
116	1289+16.22	35.50' RT	1089.00	569932.05	741786.37
117	1289+11.22	35.50' RT	1089.07	569927.56	741784.16
118	1289+10.45	35.50' RT	1089.11	569926.88	741783.82
119	1289+04.95	33.77' RT	1089.37	569922.71	741779.83
120	1289+06.45	29.00' RT	1089.30	569926.16	741776.22
121	1289+01.68	27.50' RT	1089.28	569922.55	741772.76
122	1289+00.91	32.50' RT	1089.35	569919.65	741776.91
123	1289+11.22	26.66' RT	1088.73	569931.47	741776.23
124	1289+22.22	35.50' RT	1088.82	569937.43	741789.02



LEGEND

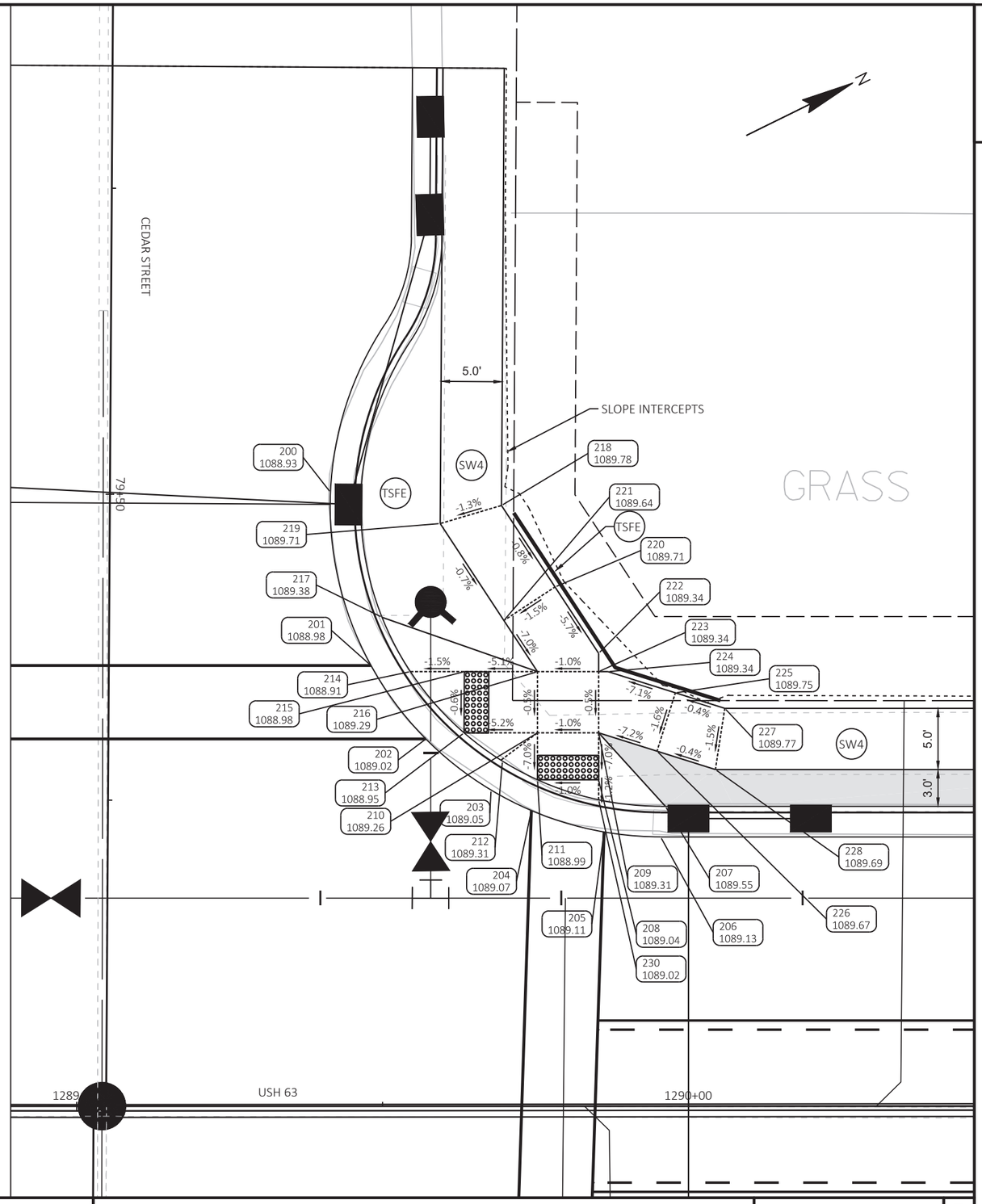
XX XXXX.XX	POINT NUMBER/ELEVATION
TSFE	TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EROSION MAT URBAN CLASS TYPE A
PED	CONCRETE CURB PEDESTRIAN
CP6	CONCRETE PAVEMENT 6-INCH
AS	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
SW4	CONCRETE SIDEWALK 4-INCH
	CONCRETE SIDEWALK 4-INCH AND COLORED CONCRETE CUSTOM

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CURB RAMP DETAIL - CEDAR STREET SE	SHEET 71	E

CEDAR STREET NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
200	1289+70.74	50.16' LT	1088.93	570018.83	741733.66
201	1289+74.05	36.00' LT	1088.98	570015.54	741747.82
202	1289+78.53	30.00' LT	1089.02	570016.91	741755.18
203	1289+83.86	25.82' LT	1089.05	570019.84	741761.28
204	1289+87.15	24.15' LT	1089.07	570022.05	741764.24
205	1289+93.10	22.40' LT	1089.11	570026.61	741768.44
206	1289+97.72	22.00' LT	1089.13	570030.57	741770.84
207	1289+98.10	24.51' LT	1089.55	570032.03	741768.76
208	1289+92.65	26.66' LT	1089.04	570028.10	741764.42
209	1289+92.65	30.50' LT	1089.31	570029.79	741760.97
210	1289+87.65	30.50' LT	1089.26	570025.31	741758.76
211	1289+87.65	26.66' LT	1088.99	570023.61	741762.21
212	1289+84.79	28.20' LT	1089.31	570021.72	741759.57
213	1289+81.65	30.50' LT	1088.95	570019.93	741756.11
214	1289+77.27	35.50' LT	1088.91	570018.21	741749.69
215	1289+81.69	35.50' LT	1088.98	570022.17	741751.64
216	1289+87.65	35.50' LT	1089.29	570027.52	741754.28
217	1289+74.95	39.95' LT	1089.38	570018.09	741744.67
218	1289+84.72	49.08' LT	1089.78	570030.89	741740.80
219	1289+79.71	47.60' LT	1089.71	570025.74	741739.91
220	1289+89.09	42.42' LT	1089.71	570031.87	741748.70
221	1289+84.91	39.68' LT	1089.64	570026.91	741749.32
222	1289+92.65	37.00' LT	1089.34	570032.66	741755.15
223	1289+92.65	35.50' LT	1089.34	570032.00	741756.49
224	1289+93.42	35.50' LT	1089.34	570032.69	741756.83
225	1289+98.92	33.77' LT	1089.75	570036.86	741760.81
226	1289+97.42	29.00' LT	1089.67	570033.41	741764.43
227	1290+02.96	32.50' LT	1089.77	570039.92	741763.74
228	1290+02.19	27.50' LT	1089.69	570037.02	741767.88
230	1289+92.65	25.03' LT	1089.02	570027.37	741765.88

LEGEND

XX XXXX.XX	POINT NUMBER/ELEVATION
TSFE	TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EROSION MAT URBAN CLASS TYPE A
PED	CONCRETE CURB PEDESTRIAN
CP6	CONCRETE PAVEMENT 6-INCH
AS	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
SW4	CONCRETE SIDEWALK 4-INCH
	CONCRETE SIDEWALK 4-INCH AND COLORED CONCRETE CUSTOM

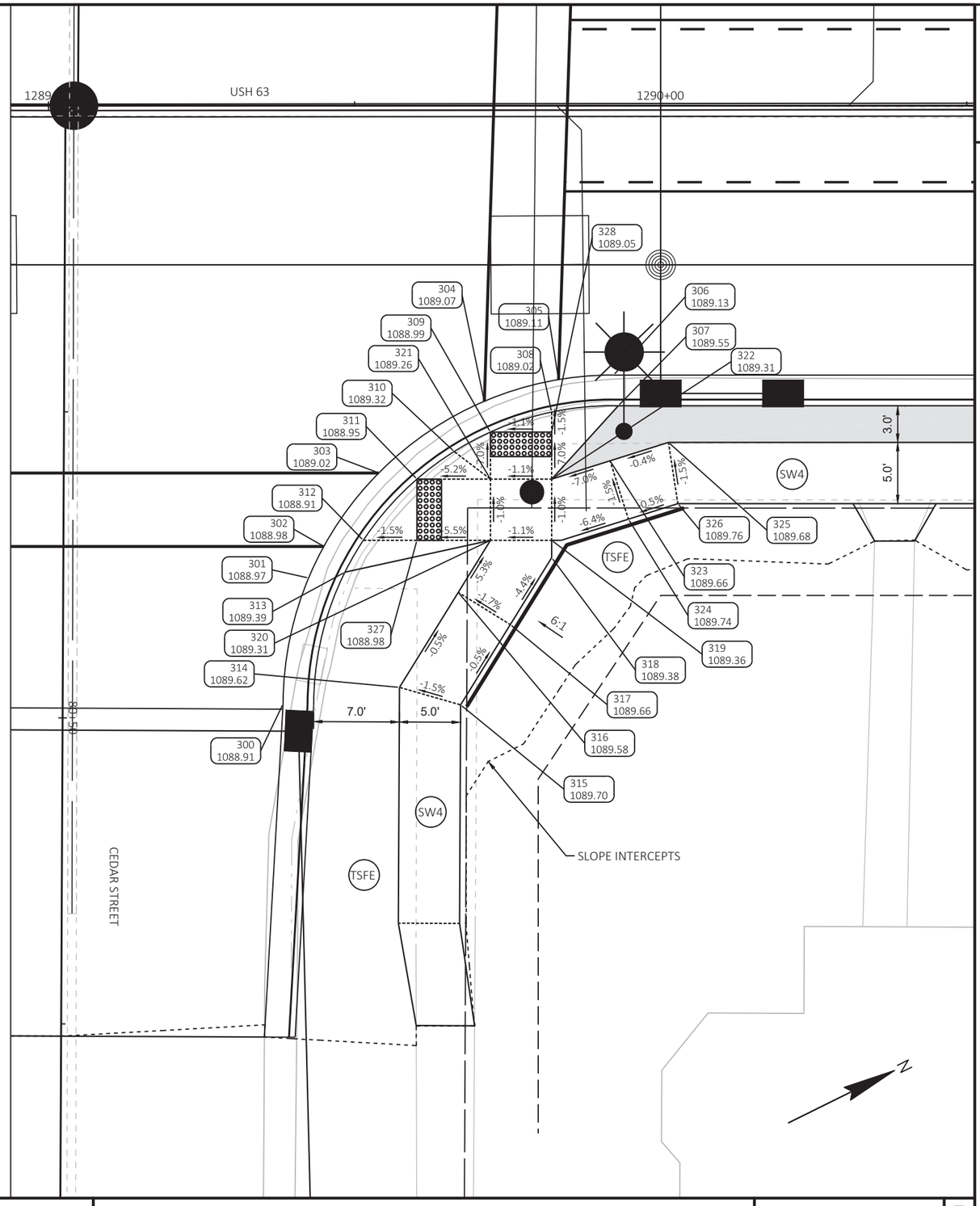


PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CURB RAMP DETAIL - CEDAR STREET NW	SHEET 72	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\023108 CR.DWG
LAYOUT NAME - CEDAR ST NW

PLOT DATE : 8/24/2021 2:20 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

CEDAR STREET NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
300	1289+69.16	48.87' RT	1088.91	569973.62	741821.78
301	1289+71.25	38.58' RT	1088.97	569980.04	741813.47
302	1289+72.49	36.00' RT	1088.98	569982.30	741811.70
303	1289+76.97	30.00' RT	1089.02	569988.97	741808.30
304	1289+85.59	24.15' RT	1089.07	569999.29	741806.87
305	1289+91.65	22.38' RT	1089.11	570005.51	741807.96
306	1289+96.16	22.00' RT	1089.13	570009.72	741809.61
307	1289+96.53	24.51' RT	1089.55	570008.95	741812.03
308	1289+91.09	25.03' RT	1089.02	570003.84	741810.09
309	1289+86.09	26.66' RT	1088.99	569998.63	741809.34
310	1289+83.14	28.26' RT	1089.32	569995.28	741809.47
311	1289+80.09	30.50' RT	1088.95	569991.55	741810.13
312	1289+75.71	35.50' RT	1088.91	569985.41	741812.68
313	1289+74.21	38.10' RT	1089.39	569982.92	741814.35
314	1289+78.66	47.51' RT	1089.62	569982.75	741824.75
315	1289+83.66	48.94' RT	1089.70	569986.59	741828.25
316	1289+83.46	39.75' RT	1089.58	569990.48	741819.92
317	1289+87.71	42.38' RT	1089.66	569993.13	741824.16
318	1289+91.09	36.92' RT	1089.38	569998.58	741820.76
319	1289+91.09	35.50' RT	1089.36	569999.21	741819.48
320	1289+86.09	35.50' RT	1089.31	569994.72	741817.27
321	1289+86.09	30.50' RT	1089.26	569996.93	741812.78
322	1289+91.09	30.50' RT	1089.31	570001.42	741815.00
323	1289+95.86	29.00' RT	1089.66	570006.36	741815.76
324	1289+97.36	33.77' RT	1089.74	570005.59	741820.70
325	1290+00.63	27.50' RT	1089.68	570011.30	741816.52
326	1290+01.40	32.50' RT	1089.76	570009.78	741821.35
327	1289+80.09	35.50' RT	1088.98	569989.34	741814.62
328	1289+91.09	26.66' RT	1089.05	570003.11	741811.55



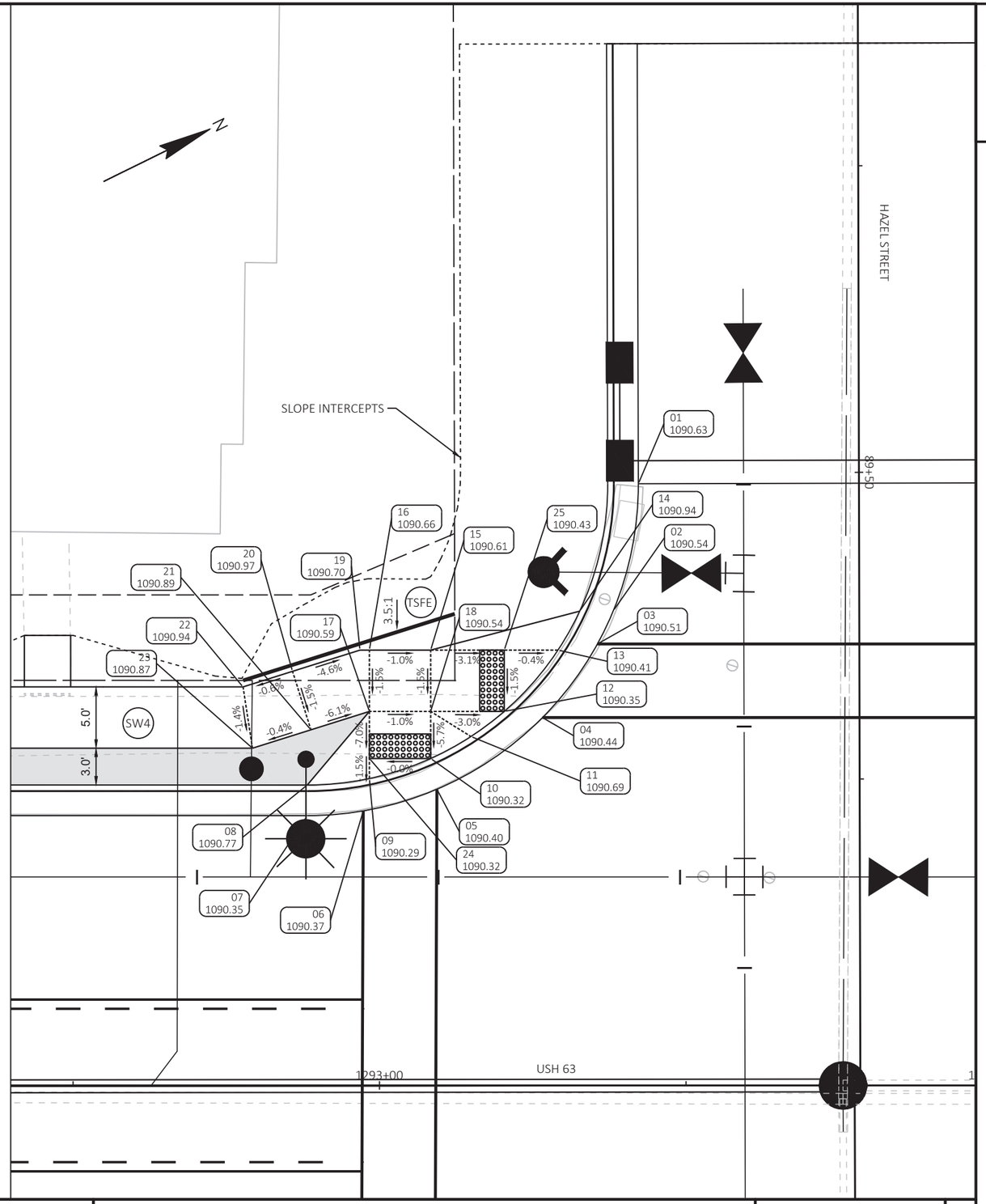
LEGEND

XX XXXX.XX	POINT NUMBER/ELEVATION
TSFE	TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EROSION MAT URBAN CLASS TYPE A
PED	CONCRETE CURB PEDESTRIAN
CP6	CONCRETE PAVEMENT 6-INCH
AS	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
SW4	CONCRETE SIDEWALK 4-INCH
	CONCRETE SIDEWALK 4-INCH AND COLORED CONCRETE CUSTOM

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CURB RAMP DETAIL - CEDAR STREET NE	SHEET 73	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\023108 CR.DWG
LAYOUT NAME - CEDAR ST NE
PLOT DATE : 8/24/2021 2:21 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

HAZEL STREET SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
01	1293+21.11	49.07' LT	1090.63	570332.60	741889.57
02	1293+19.07	38.71' LT	1090.54	570326.19	741897.96
03	1293+17.77	36.00' LT	1090.51	570323.83	741899.82
04	1293+13.29	30.00' LT	1090.44	570317.15	741903.22
05	1293+04.68	24.15' LT	1090.40	570306.84	741904.65
06	1292+98.67	22.39' LT	1090.37	570300.67	741903.58
07	1292+94.11	22.00' LT	1090.35	570296.41	741901.91
08	1292+94.13	24.52' LT	1090.77	570297.54	741899.65
09	1292+99.17	25.03' LT	1090.29	570302.29	741901.43
10	1293+04.17	26.66' LT	1090.32	570307.50	741902.18
11	1293+07.45	28.45' LT	1090.69	570311.23	741902.02
12	1293+10.17	30.50' LT	1090.35	570314.58	741901.39
13	1293+14.55	35.50' LT	1090.41	570320.72	741898.84
14	1293+16.33	38.67' LT	1090.94	570323.71	741896.78
15	1293+04.17	35.50' LT	1090.61	570311.41	741894.25
16	1292+99.17	35.50' LT	1090.66	570306.92	741892.04
17	1292+99.17	30.50' LT	1090.59	570304.71	741896.52
18	1293+04.17	30.50' LT	1090.54	570309.19	741898.73
19	1292+98.40	35.50' LT	1090.70	570306.23	741891.70
20	1292+92.90	33.77' LT	1090.97	570300.53	741890.82
21	1292+94.40	29.00' LT	1090.89	570299.77	741895.76
22	1292+88.86	32.50' LT	1090.94	570296.35	741890.17
23	1292+89.63	27.50' LT	1090.87	570294.83	741895.00
24	1292+99.17	26.66' LT	1090.32	570303.01	741899.97
25	1293+10.17	35.50' LT	1090.43	570316.79	741896.90



LEGEND

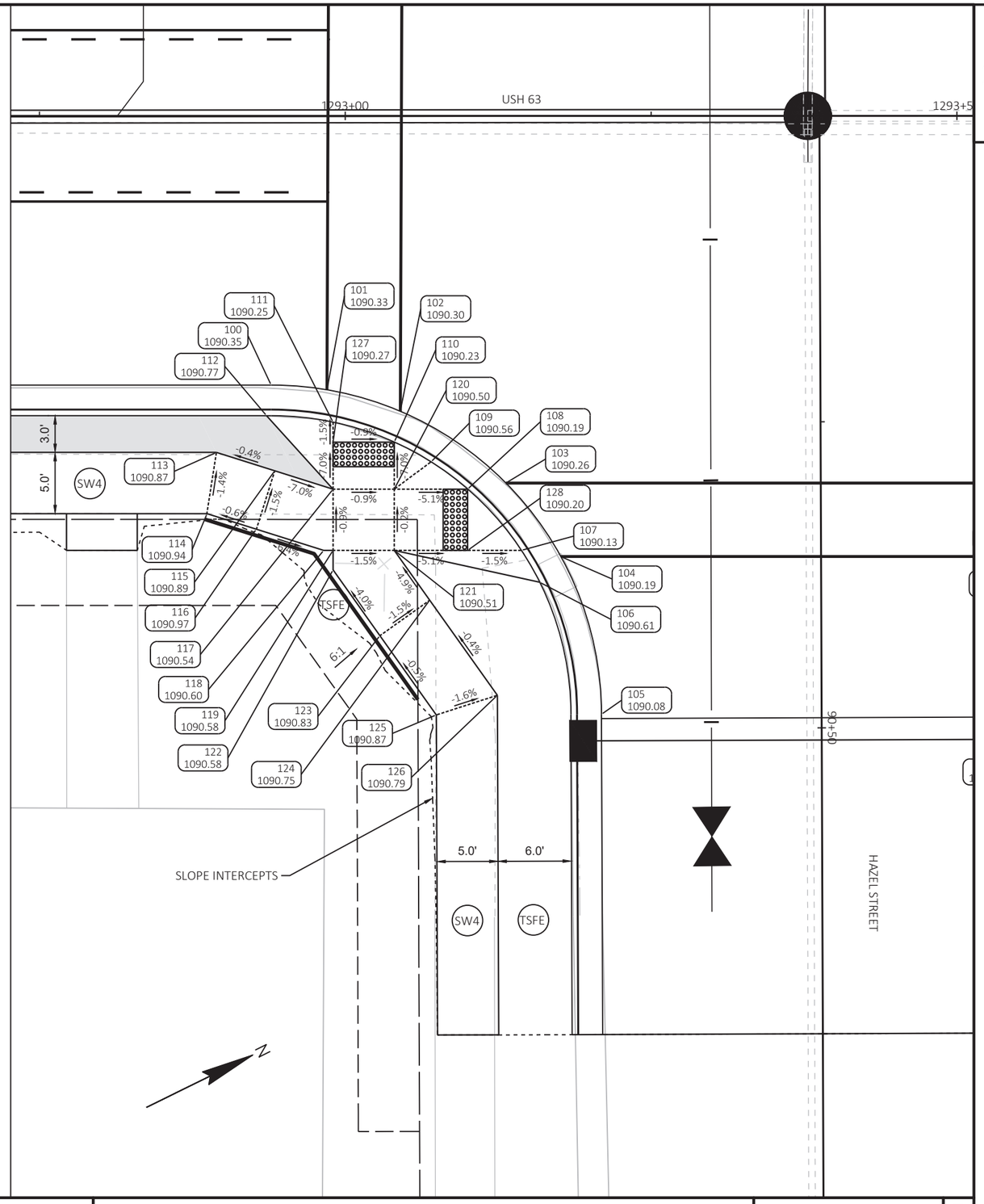
XX XXXX.XX	POINT NUMBER/ELEVATION
TSFE	TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EROSION MAT URBAN CLASS TYPE A
PED	CONCRETE CURB PEDESTRIAN
CP6	CONCRETE PAVEMENT 6-INCH
AS	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
SW4	CONCRETE SIDEWALK 4-INCH
	CONCRETE SIDEWALK 4-INCH AND COLORED CONCRETE CUSTOM

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CURB RAMP DETAIL - HAZEL STREET SW	SHEET 74	E

HAZEL STREET SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
100	1292+93.94	22.00' RT	1090.35	570276.81	741941.30
101	1292+98.51	22.39' RT	1090.33	570280.73	741943.67
102	1293+04.50	24.15' RT	1090.30	570285.32	741947.90
103	1293+13.13	30.00' RT	1090.26	570290.47	741956.96
104	1293+17.61	36.00' RT	1090.19	570291.84	741964.32
105	1293+20.94	48.90' RT	1090.08	570289.13	741977.36
106	1293+15.89	38.10' RT	1090.61	570289.37	741965.44
107	1293+14.39	35.50' RT	1090.13	570289.17	741962.45
108	1293+10.01	30.50' RT	1090.19	570287.45	741956.03
109	1293+07.01	28.27' RT	1090.56	570285.75	741952.70
110	1293+04.01	26.66' RT	1090.23	570283.77	741949.93
111	1292+99.01	25.03' RT	1090.25	570280.01	741946.25
112	1292+93.57	24.50' RT	1090.77	570275.36	741943.37
113	1292+89.47	27.50' RT	1090.87	570270.36	741944.25
114	1292+88.70	32.50' RT	1090.94	570267.46	741948.40
115	1292+94.24	29.00' RT	1090.89	570273.97	741947.71
116	1292+92.74	33.77' RT	1090.97	570270.52	741951.32
117	1292+99.01	30.50' RT	1090.54	570277.59	741951.16
118	1292+98.24	35.50' RT	1090.60	570274.69	741955.31
119	1292+99.01	35.50' RT	1090.58	570275.38	741955.65
120	1293+04.01	30.50' RT	1090.50	570282.07	741953.37
121	1293+04.01	35.50' RT	1090.51	570279.86	741957.86
122	1292+99.01	37.10' RT	1090.58	570274.67	741957.08
123	1293+02.83	42.47' RT	1090.83	570275.72	741963.59
124	1293+06.91	39.57' RT	1090.75	570280.66	741962.79
125	1293+07.44	48.95' RT	1090.87	570277.00	741971.44
126	1293+12.44	47.34' RT	1090.79	570282.19	741972.21
127	1292+99.01	26.66' RT	1090.27	570279.28	741947.72
128	1293+10.01	35.50' RT	1090.20	570285.24	741960.51

LEGEND

XX XXXX.XX	POINT NUMBER/ELEVATION
TSFE	TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EROSION MAT URBAN CLASS TYPE A
PED	CONCRETE CURB PEDESTRIAN
CP6	CONCRETE PAVEMENT 6-INCH
AS	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
SW4	CONCRETE SIDEWALK 4-INCH
	CONCRETE SIDEWALK 4-INCH AND COLORED CONCRETE CUSTOM



PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CURB RAMP DETAIL - HAZEL STREET SE	SHEET 75	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\023109 CR.DWG
LAYOUT NAME - HAZEL ST SE

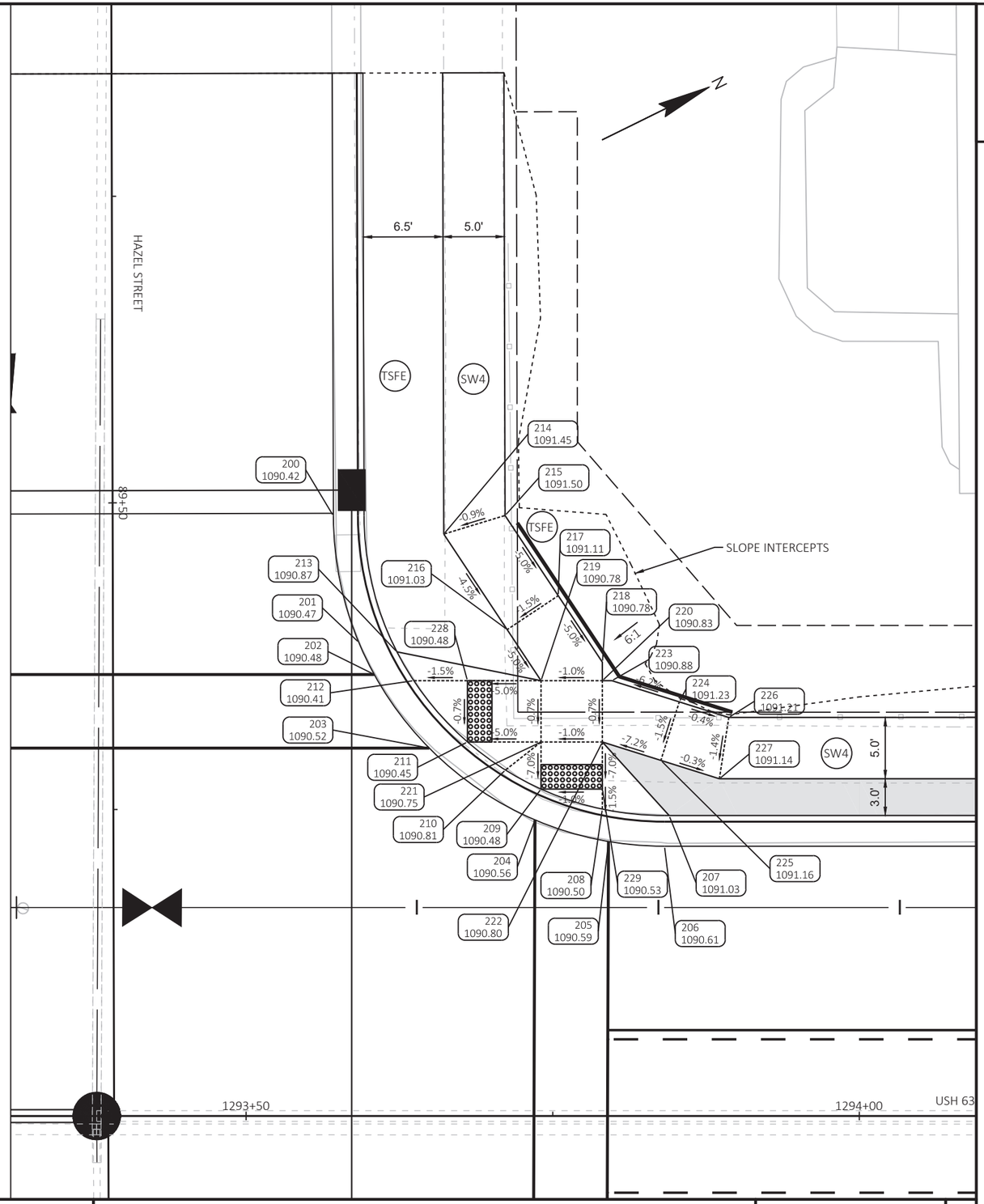
PLOT DATE : 8/24/2021 2:23 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

HAZEL STREET NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
200	1293+57.11	48.93' LT	1090.42	570364.83	741905.61
201	1293+59.18	38.62' LT	1090.47	570362.13	741915.78
202	1293+60.44	36.00' LT	1090.48	570362.10	741918.69
203	1293+64.93	30.00' LT	1090.52	570363.46	741926.05
204	1293+73.55	24.15' LT	1090.56	570368.61	741935.11
205	1293+79.55	22.39' LT	1090.59	570373.21	741939.34
206	1293+84.11	22.00' LT	1090.61	570377.13	741941.71
207	1293+84.49	24.50' LT	1091.03	570378.58	741939.63
208	1293+79.05	25.03' LT	1090.50	570373.93	741936.75
209	1293+74.05	26.66' LT	1090.48	570370.17	741933.08
210	1293+71.15	28.22' LT	1090.81	570368.26	741930.40
211	1293+68.05	30.50' LT	1090.45	570366.48	741926.98
212	1293+63.66	35.50' LT	1090.41	570364.76	741920.56
213	1293+62.30	37.85' LT	1090.87	570364.57	741917.85
214	1293+66.11	47.45' LT	1091.45	570372.25	741910.92
215	1293+71.11	48.97' LT	1091.50	570377.40	741911.77
216	1293+71.28	39.67' LT	1091.03	570373.44	741920.19
217	1293+75.45	42.43' LT	1091.11	570378.40	741919.55
218	1293+79.05	37.01' LT	1090.78	570379.23	741926.01
219	1293+74.05	35.50' LT	1090.78	570374.08	741925.15
220	1293+79.05	35.50' LT	1090.83	570378.56	741927.36
221	1293+74.05	30.50' LT	1090.75	570371.87	741929.63
222	1293+79.05	30.50' LT	1090.80	570376.35	741931.85
223	1293+79.81	35.50' LT	1090.88	570379.25	741927.70
224	1293+85.32	33.77' LT	1091.23	570383.42	741931.69
225	1293+83.82	29.00' LT	1091.16	570379.97	741935.30
226	1293+89.35	32.50' LT	1091.21	570386.48	741934.61
227	1293+88.59	27.50' LT	1091.14	570383.58	741938.76
228	1293+68.05	35.50' LT	1090.48	570368.70	741922.50
229	1293+79.05	26.66' LT	1090.53	570374.65	741935.29

LEGEND

- XX XXXX.XX — POINT NUMBER/ELEVATION
- TSFE — TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EROSION MAT URBAN CLASS TYPE A
- PED — CONCRETE CURB PEDESTRIAN
- CP6 — CONCRETE PAVEMENT 6-INCH
- AS — ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
- SW4 — CONCRETE SIDEWALK 4-INCH
- CONCRETE SIDEWALK 4-INCH AND COLORED CONCRETE CUSTOM



PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CURB RAMP DETAIL - HAZEL STREET NW	SHEET 76	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\023109 CR.DWG
LAYOUT NAME - HAZEL ST NW

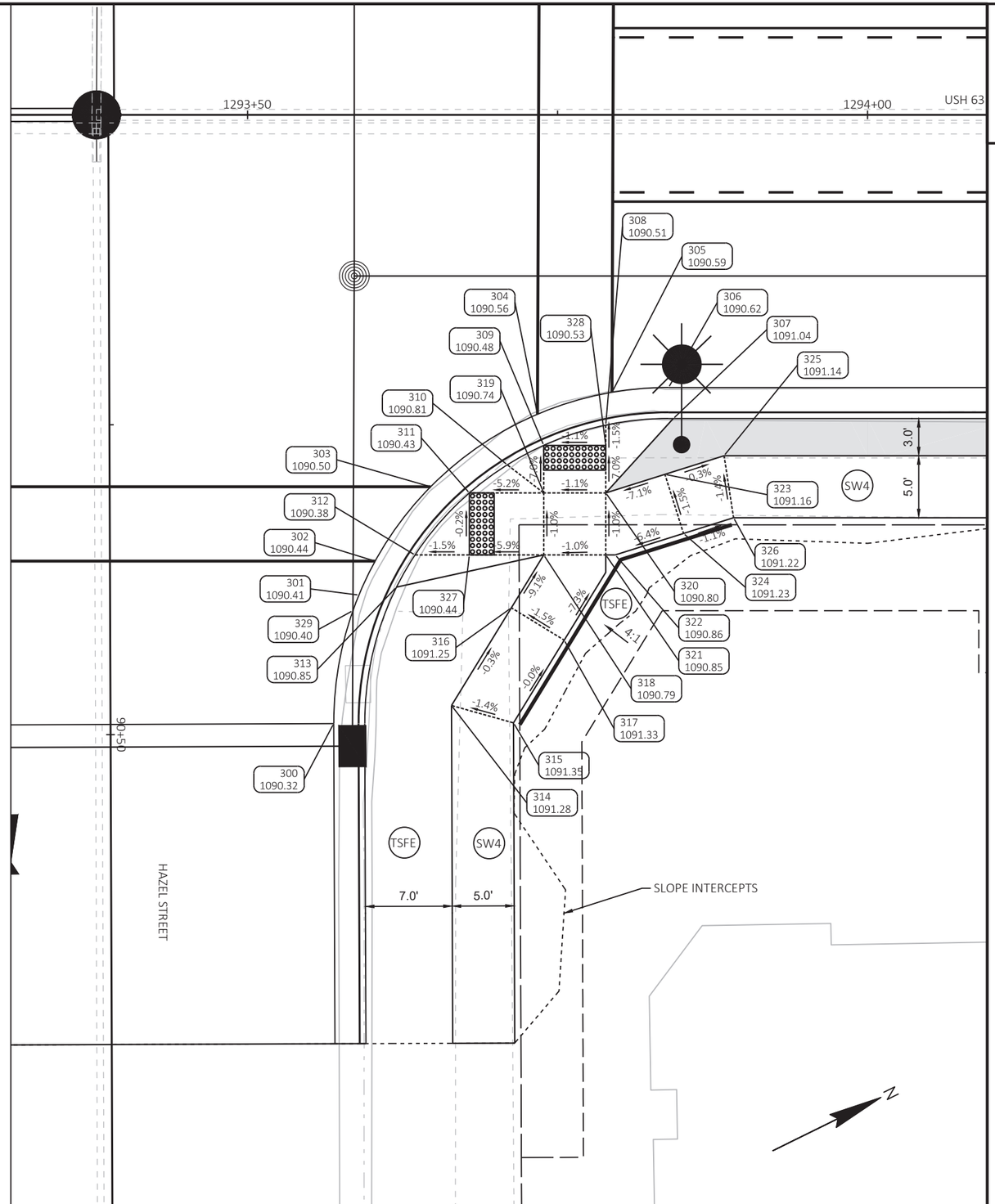
PLOT DATE : 8/24/2021 2:24 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

HAZEL STREET NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
300	1293+56.95	49.10' RT	1090.32	570321.33	741993.47
301	1293+58.97	38.74' RT	1090.41	570327.73	741985.07
302	1293+60.28	36.00' RT	1090.44	570330.11	741983.19
303	1293+64.76	30.00' RT	1090.50	570336.78	741979.79
304	1293+73.38	24.15' RT	1090.56	570347.10	741978.36
305	1293+79.38	22.39' RT	1090.59	570353.26	741979.43
306	1293+83.95	22.00' RT	1090.62	570357.53	741981.10
307	1293+84.33	24.50' RT	1091.04	570356.76	741983.51
308	1293+78.88	25.03' RT	1090.51	570351.65	741981.58
309	1293+73.88	26.66' RT	1090.48	570346.44	741980.83
310	1293+70.95	28.23' RT	1090.81	570343.11	741980.94
311	1293+67.88	30.50' RT	1090.43	570339.36	741981.62
312	1293+63.50	35.50' RT	1090.38	570333.22	741984.17
313	1293+62.00	38.10' RT	1090.85	570330.73	741985.84
314	1293+66.44	47.65' RT	1091.28	570330.49	741996.36
315	1293+71.45	49.05' RT	1091.35	570334.36	741999.83
316	1293+71.27	39.76' RT	1091.25	570338.30	741991.43
317	1293+75.53	42.38' RT	1091.33	570340.97	741995.66
318	1293+73.88	35.50' RT	1090.79	570342.53	741988.76
319	1293+73.88	30.50' RT	1090.74	570344.74	741984.27
320	1293+78.88	30.50' RT	1090.80	570349.23	741986.48
321	1293+78.88	35.50' RT	1090.85	570347.02	741990.97
322	1293+79.65	35.50' RT	1090.86	570347.71	741991.31
323	1293+83.65	29.00' RT	1091.16	570354.17	741987.25
324	1293+85.15	33.77' RT	1091.23	570353.41	741992.19
325	1293+88.42	27.50' RT	1091.14	570359.11	741988.01
326	1293+89.19	32.50' RT	1091.22	570357.59	741992.84
327	1293+67.88	35.50' RT	1090.44	570337.15	741986.10
328	1293+78.88	26.66' RT	1090.53	570350.93	741983.04
329	1293+58.49	40.00' RT	1090.40	570326.74	741985.99

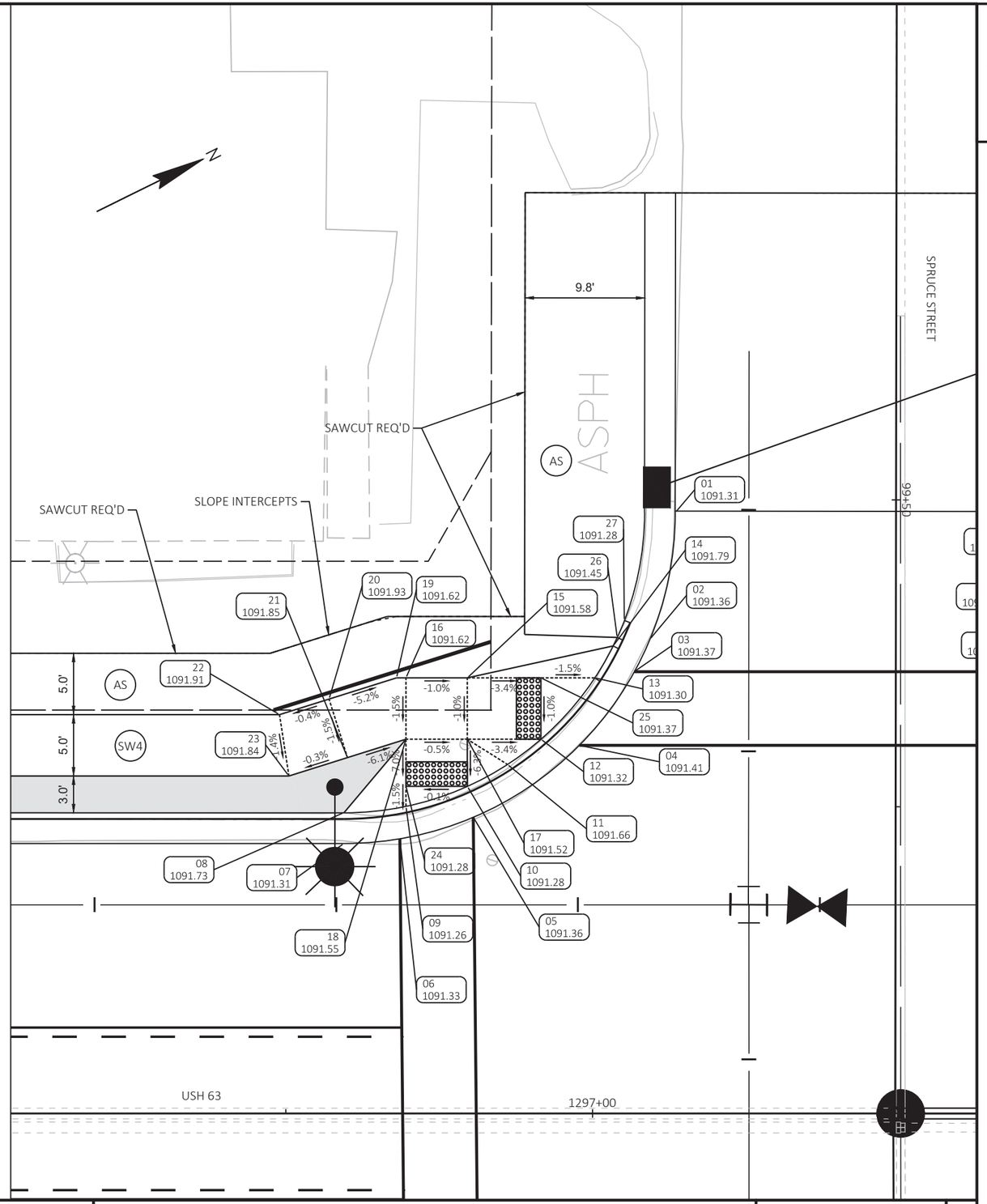
LEGEND

- XX / XXXX.XX — POINT NUMBER/ELEVATION
- TSFE — TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EROSION MAT URBAN CLASS TYPE A
- PED — CONCRETE CURB PEDESTRIAN
- CP6 — CONCRETE PAVEMENT 6-INCH
- AS — ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
- SW4 — CONCRETE SIDEWALK 4-INCH
- CONCRETE SIDEWALK 4-INCH AND COLORED CONCRETE CUSTOM



PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CURB RAMP DETAIL - HAZEL STREET NE	SHEET 77	E

SPRUCE STREET SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
01	1297+06.73	48.96' LT	1091.31	570678.42	742060.19
02	1297+04.66	38.64' LT	1091.36	570672.00	742068.54
03	1297+03.39	36.00' LT	1091.37	570669.69	742070.35
04	1296+98.91	30.00' LT	1091.41	570663.02	742073.75
05	1296+90.27	24.14' LT	1091.36	570652.68	742075.18
06	1296+84.29	22.39' LT	1091.33	570646.54	742074.11
07	1296+79.73	22.00' LT	1091.31	570642.28	742072.44
08	1296+79.75	24.53' LT	1091.73	570643.41	742070.18
09	1296+84.79	25.03' LT	1091.26	570648.16	742071.96
10	1296+89.79	26.66' LT	1091.28	570653.36	742072.71
11	1296+93.06	28.44' LT	1091.66	570657.08	742072.55
12	1296+95.79	30.50' LT	1091.32	570660.44	742071.92
13	1297+00.17	35.50' LT	1091.30	570666.58	742069.37
14	1297+01.67	38.10' LT	1091.79	570669.08	742067.70
15	1296+89.79	35.50' LT	1091.58	570657.27	742064.78
16	1296+84.79	35.50' LT	1091.62	570652.79	742062.57
17	1296+89.79	30.50' LT	1091.52	570655.06	742069.26
18	1296+84.79	30.50' LT	1091.55	570650.58	742067.05
19	1296+84.02	35.50' LT	1091.62	570652.10	742062.23
20	1296+78.52	33.77' LT	1091.93	570646.40	742061.35
21	1296+80.02	29.00' LT	1091.85	570645.63	742066.29
22	1296+74.49	32.50' LT	1091.91	570642.22	742060.70
23	1296+75.25	27.50' LT	1091.84	570640.69	742065.53
24	1296+84.79	26.66' LT	1091.28	570648.88	742070.50
25	1296+95.79	35.50' LT	1091.37	570662.65	742067.43
26	1297+02.00	38.79' LT	1091.45	570669.68	742067.23
27	1297+02.59	40.18' LT	1091.28	570670.81	742066.24



LEGEND

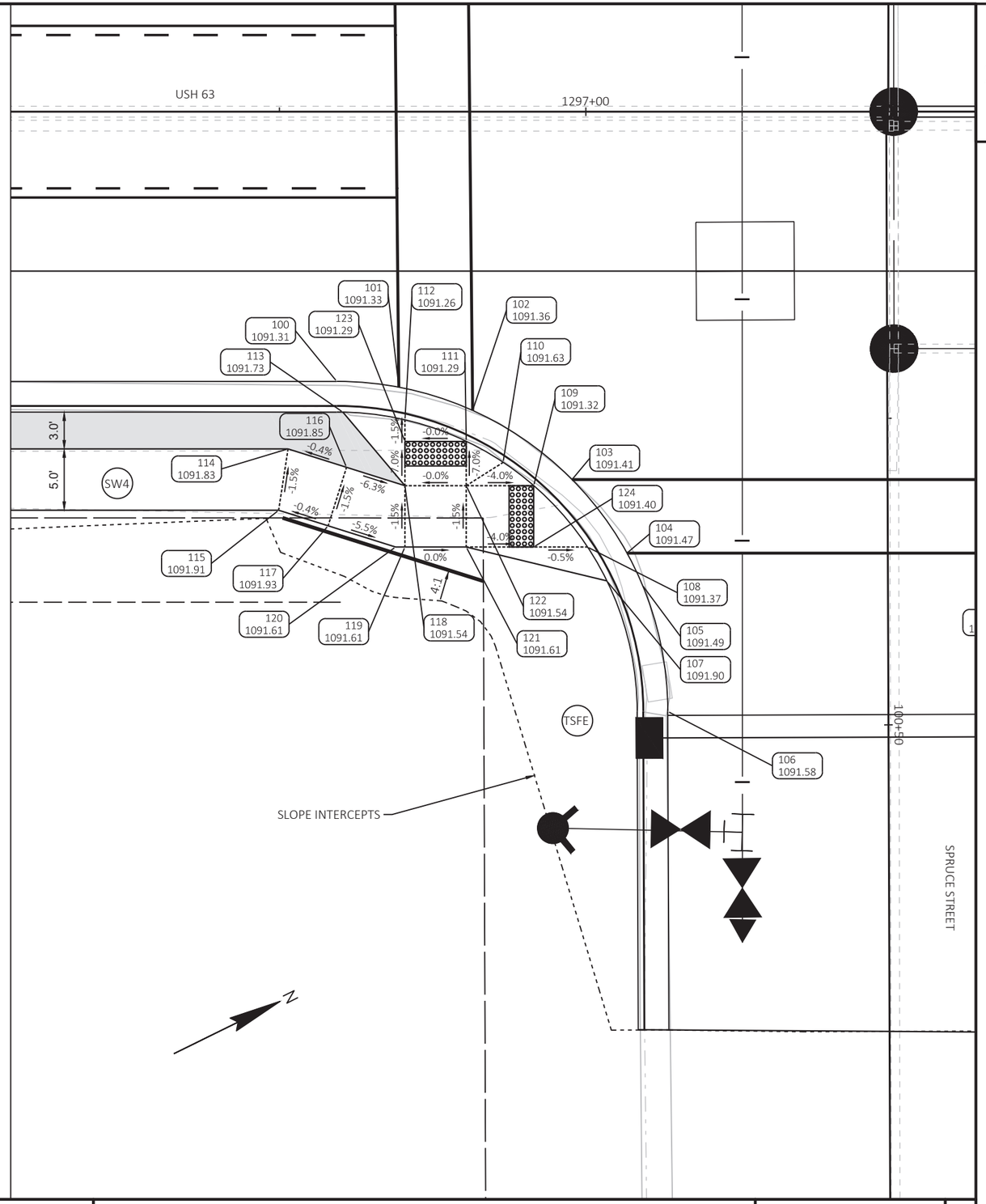
XX XXXX.XX	POINT NUMBER/ELEVATION
TSFE	TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EROSION MAT URBAN CLASS TYPE A
PED	CONCRETE CURB PEDESTRIAN
CP6	CONCRETE PAVEMENT 6-INCH
AS	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
SW4	CONCRETE SIDEWALK 4-INCH
	CONCRETE SIDEWALK 4-INCH AND COLORED CONCRETE CUSTOM

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CURB RAMP DETAIL - SPRUCE STREET SW	SHEET 78	E

SPRUCE STREET SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
100	1296+79.68	22.00' RT	1091.31	570622.77	742111.88
101	1296+84.74	22.48' RT	1091.33	570627.10	742114.55
102	1296+90.76	24.38' RT	1091.36	570631.66	742118.91
103	1296+98.86	30.00' RT	1091.41	570636.44	742127.54
104	1297+03.34	36.00' RT	1091.47	570637.81	742134.90
105	1297+04.60	38.60' RT	1091.49	570637.78	742137.79
106	1297+06.68	48.90' RT	1091.58	570635.09	742147.95
107	1297+01.70	38.26' RT	1091.90	570635.33	742136.20
108	1297+00.12	35.50' RT	1091.37	570635.14	742133.03
109	1296+95.74	30.50' RT	1091.32	570633.42	742126.61
110	1296+93.25	28.60' RT	1091.63	570632.02	742123.80
111	1296+90.24	26.89' RT	1091.29	570630.08	742120.94
112	1296+85.24	25.14' RT	1091.26	570626.37	742117.16
113	1296+80.18	24.51' RT	1091.73	570622.11	742114.35
114	1296+75.70	27.50' RT	1091.83	570616.77	742115.05
115	1296+74.93	32.50' RT	1091.91	570613.87	742119.20
116	1296+80.47	29.00' RT	1091.85	570620.39	742118.51
117	1296+78.97	33.77' RT	1091.93	570616.93	742122.12
118	1296+85.24	30.50' RT	1091.54	570624.00	742121.96
119	1296+85.24	35.50' RT	1091.61	570621.79	742126.45
120	1296+84.47	35.50' RT	1091.61	570621.10	742126.11
121	1296+90.24	35.50' RT	1091.61	570626.28	742128.66
122	1296+90.24	30.50' RT	1091.54	570628.49	742124.17
123	1296+85.24	26.89' RT	1091.29	570625.60	742118.73
124	1296+95.74	35.50' RT	1091.40	570631.21	742131.09

LEGEND

- XX XXXX.XX — POINT NUMBER/ELEVATION
- TSFE — TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EROSION MAT URBAN CLASS TYPE A
- PED — CONCRETE CURB PEDESTRIAN
- CP6 — CONCRETE PAVEMENT 6-INCH
- AS — ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
- SW4 — CONCRETE SIDEWALK 4-INCH
- CONCRETE SIDEWALK 4-INCH AND COLORED CONCRETE CUSTOM



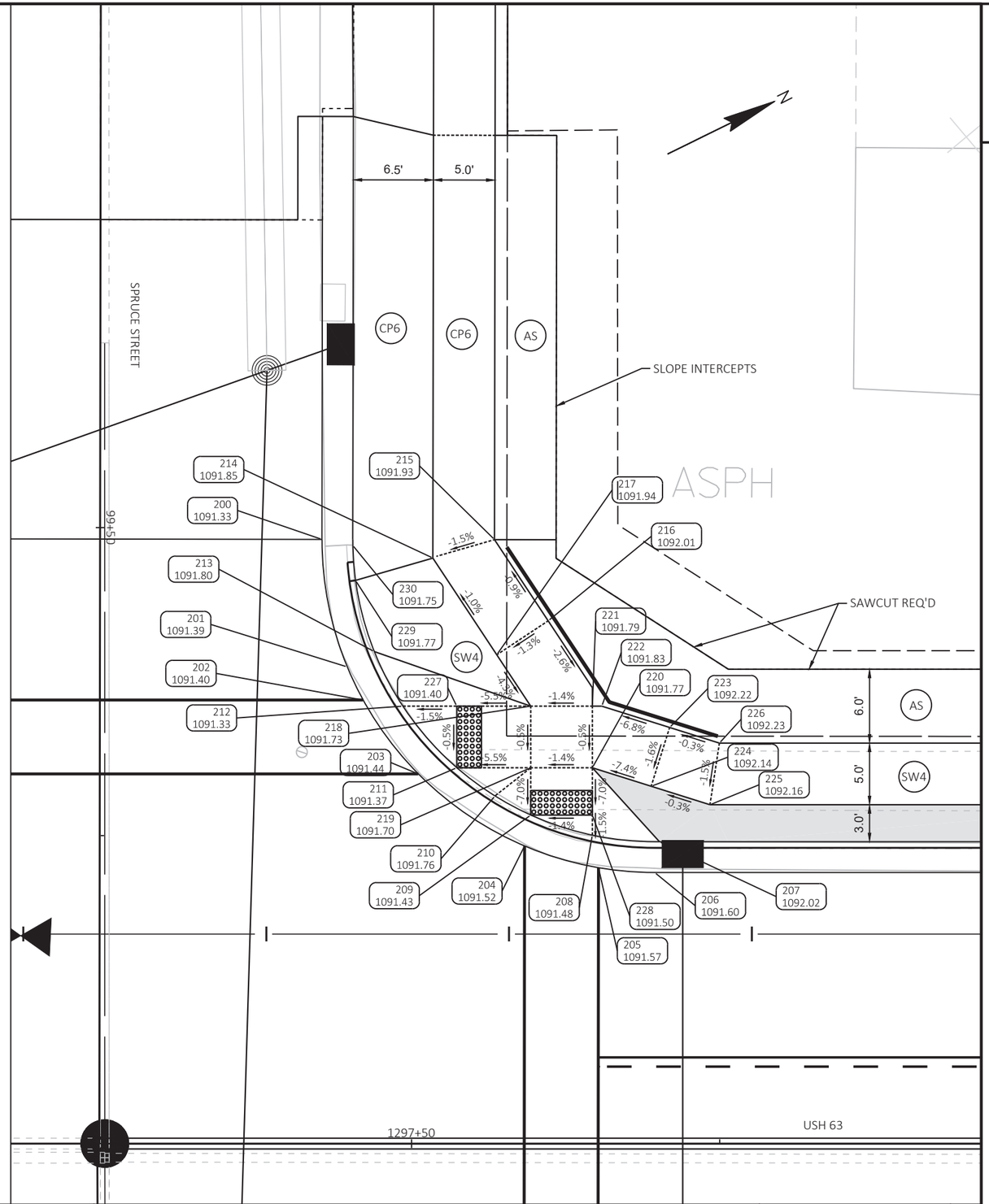
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CURB RAMP DETAIL - SPRUCE STREET SE	SHEET 79	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\023110 CR.DWG
LAYOUT NAME - SPRUCE ST SE
PLOT DATE : 8/24/2021 2:27 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

SPRUCE STREET NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
200	1297+42.73	49.04' LT	1091.33	570710.74	742076.05
201	1297+44.77	38.69' LT	1091.39	570708.00	742086.23
202	1297+46.07	36.00' LT	1091.40	570707.96	742089.22
203	1297+50.55	30.00' LT	1091.44	570709.33	742096.58
204	1297+59.17	24.15' LT	1091.52	570714.48	742105.64
205	1297+65.17	22.39' LT	1091.57	570719.08	742109.87
206	1297+69.73	22.00' LT	1091.60	570723.00	742112.24
207	1297+70.11	24.50' LT	1092.02	570724.44	742110.16
208	1297+64.67	25.03' LT	1091.48	570719.80	742107.28
209	1297+59.67	26.66' LT	1091.43	570716.03	742103.61
210	1297+56.77	28.22' LT	1091.76	570714.13	742100.93
211	1297+53.67	30.50' LT	1091.37	570712.35	742097.51
212	1297+49.28	35.50' LT	1091.33	570710.63	742091.09
213	1297+46.97	39.93' LT	1091.80	570710.51	742086.09
214	1297+51.73	47.52' LT	1091.85	570718.14	742081.39
215	1297+56.73	49.02' LT	1091.93	570723.29	742082.26
216	1297+61.08	42.43' LT	1092.01	570724.28	742090.09
217	1297+56.91	39.67' LT	1091.94	570719.32	742090.72
218	1297+59.67	35.50' LT	1091.73	570719.94	742095.68
219	1297+59.67	30.50' LT	1091.70	570717.73	742100.16
220	1297+64.67	30.50' LT	1091.77	570722.22	742102.38
221	1297+64.67	35.50' LT	1091.79	570724.43	742097.89
222	1297+65.44	35.50' LT	1091.83	570725.12	742098.23
223	1297+70.94	33.77' LT	1092.22	570729.29	742102.22
224	1297+69.44	29.00' LT	1092.14	570725.83	742105.83
225	1297+74.21	27.50' LT	1092.16	570729.45	742109.28
226	1297+74.97	32.50' LT	1092.23	570732.34	742105.14
227	1297+53.67	35.50' LT	1091.40	570714.56	742093.03
228	1297+64.67	26.66' LT	1091.50	570720.52	742105.82
229	1297+45.45	45.71' LT	1091.77	570711.71	742080.24
230	1297+45.21	48.57' LT	1091.75	570712.76	742077.57

LEGEND

XX XXXX.XX	POINT NUMBER/ELEVATION
TSFE	TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EROSION MAT URBAN CLASS TYPE A
PED	CONCRETE CURB PEDESTRIAN
CP6	CONCRETE PAVEMENT 6-INCH
AS	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
SW4	CONCRETE SIDEWALK 4-INCH
	CONCRETE SIDEWALK 4-INCH AND COLORED CONCRETE CUSTOM

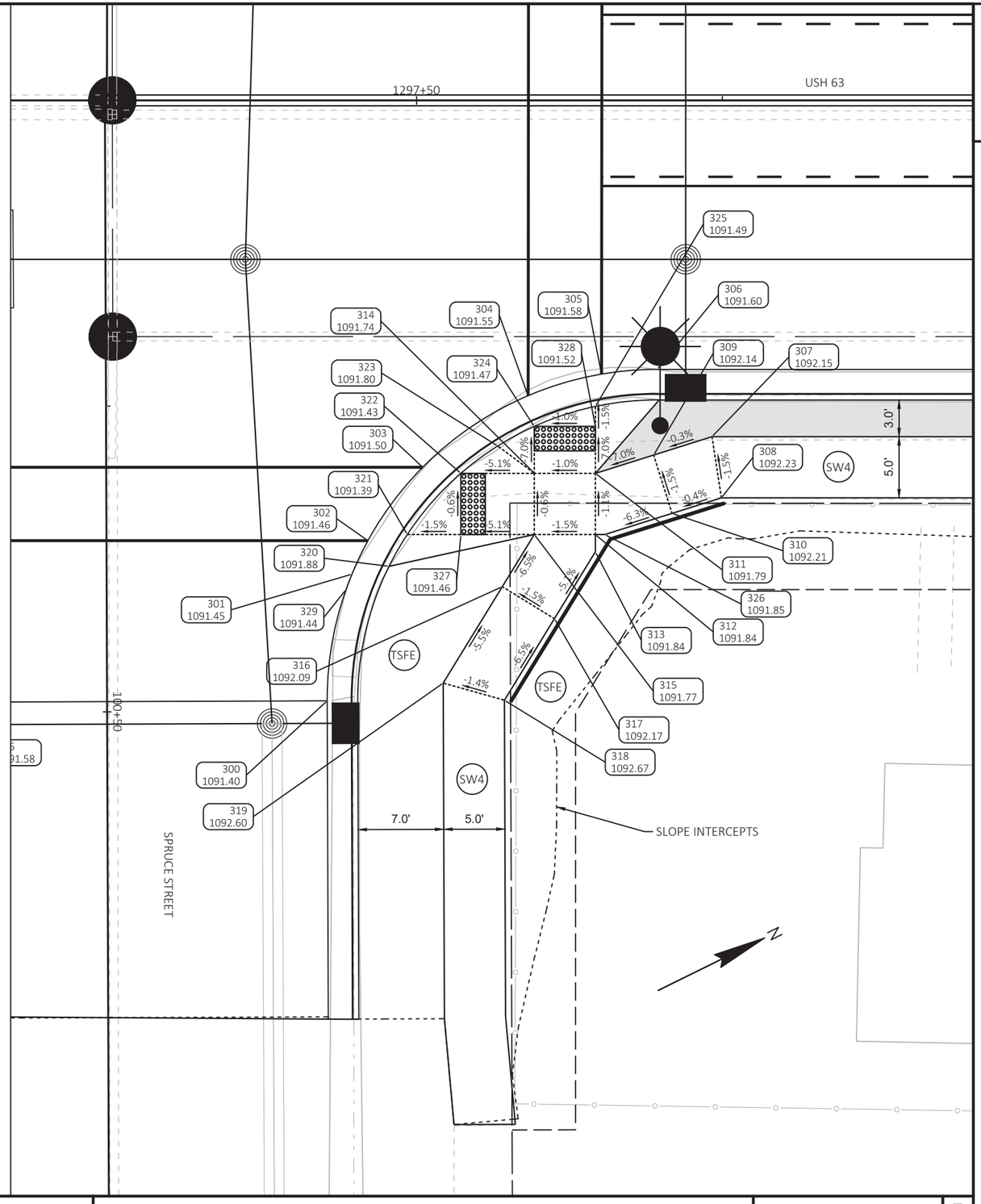


PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CURB RAMP DETAIL - SPRUCE STREET NW	SHEET 80	E

SPRUCE STREET NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
300	1297+42.68	49.10' RT	1091.40	570667.30	742164.04
301	1297+44.71	38.74' RT	1091.45	570673.70	742155.65
302	1297+46.02	36.00' RT	1091.46	570676.08	742153.77
303	1297+50.50	30.00' RT	1091.50	570682.75	742150.37
304	1297+59.12	24.15' RT	1091.55	570693.07	742148.94
305	1297+65.12	22.39' RT	1091.58	570699.23	742150.01
306	1297+69.68	22.00' RT	1091.60	570703.50	742151.68
307	1297+74.16	27.50' RT	1092.15	570705.08	742158.59
308	1297+74.92	32.50' RT	1092.23	570703.56	742163.42
309	1297+69.39	29.00' RT	1092.14	570700.14	742157.83
310	1297+70.89	33.77' RT	1092.21	570699.37	742162.77
311	1297+64.62	30.50' RT	1091.79	570695.20	742157.06
312	1297+64.62	35.50' RT	1091.84	570692.98	742161.55
313	1297+64.62	36.91' RT	1091.84	570692.36	742162.81
314	1297+59.65	30.50' RT	1091.74	570690.74	742154.87
315	1297+59.62	35.50' RT	1091.77	570688.50	742159.34
316	1297+57.00	39.76' RT	1092.09	570684.27	742162.01
317	1297+61.27	42.38' RT	1092.17	570686.94	742166.23
318	1297+57.18	49.05' RT	1092.67	570680.32	742170.41
319	1297+52.18	47.64' RT	1092.60	570676.45	742166.94
320	1297+47.74	38.10' RT	1091.88	570676.70	742156.42
321	1297+49.24	35.50' RT	1091.39	570679.19	742154.75
322	1297+53.62	30.50' RT	1091.43	570685.33	742152.20
323	1297+56.65	28.27' RT	1091.80	570689.03	742151.54
324	1297+59.62	26.66' RT	1091.47	570692.41	742151.41
325	1297+64.62	25.03' RT	1091.49	570697.62	742152.16
326	1297+65.39	35.50' RT	1091.85	570693.67	742161.89
327	1297+53.62	35.50' RT	1091.46	570683.12	742156.68
328	1297+64.62	26.66' RT	1091.52	570696.89	742153.62
329	1297+44.22	40.00' RT	1091.44	570672.70	742156.57

LEGEND

XX XXXX.XX	POINT NUMBER/ELEVATION
TSFE	TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EROSION MAT URBAN CLASS TYPE A
PED	CONCRETE CURB PEDESTRIAN
CP6	CONCRETE PAVEMENT 6-INCH
AS	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
SW4	CONCRETE SIDEWALK 4-INCH
	CONCRETE SIDEWALK 4-INCH AND COLORED CONCRETE CUSTOM



PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CURB RAMP DETAIL - SPRUCE STREET NE	SHEET 81	E

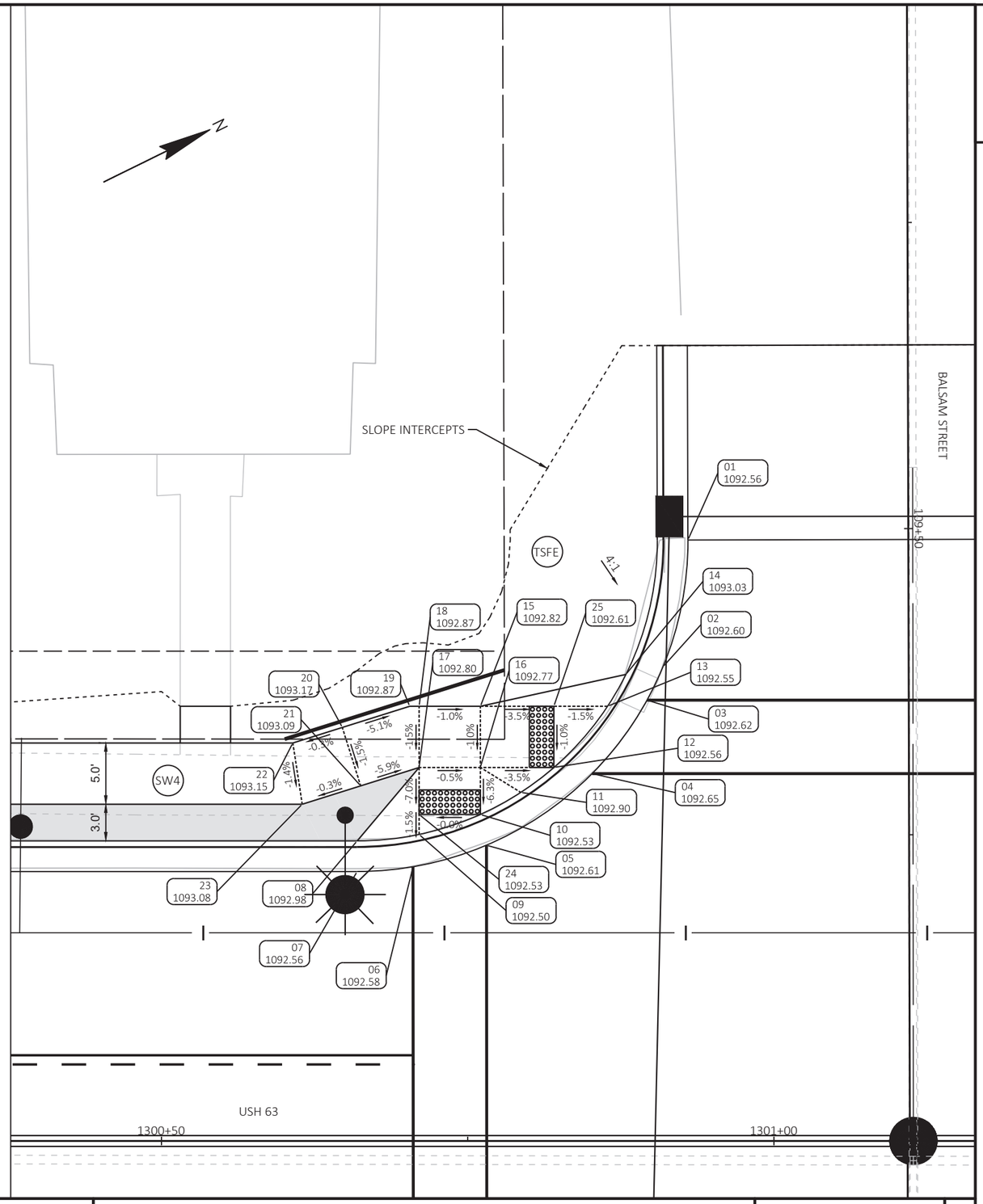
FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\023110 CR.DWG
LAYOUT NAME - SPRUCE ST NE

PLOT DATE : 8/24/2021 2:28 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

BALSAM STREET SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
01	1300+92.97	49.07' LT	1092.56	571024.89	742230.90
02	1300+90.94	38.72' LT	1092.60	571018.48	742239.29
03	1300+89.64	36.00' LT	1092.62	571016.11	742241.15
04	1300+85.15	30.00' LT	1092.65	571009.44	742244.55
05	1300+76.53	24.15' LT	1092.61	570999.12	742245.98
06	1300+70.54	22.39' LT	1092.58	570992.96	742244.91
07	1300+65.97	22.00' LT	1092.56	570988.70	742243.24
08	1300+65.97	24.50' LT	1092.98	570989.80	742241.00
09	1300+71.03	25.03' LT	1092.50	570994.58	742242.76
10	1300+76.03	26.66' LT	1092.53	570999.79	742243.51
11	1300+79.32	28.47' LT	1092.90	571003.54	742243.34
12	1300+82.03	30.50' LT	1092.56	571006.86	742242.72
13	1300+86.42	35.50' LT	1092.55	571013.01	742240.18
14	1300+87.91	38.10' LT	1093.03	571015.50	742238.51
15	1300+76.03	35.50' LT	1092.82	571003.69	742235.58
16	1300+76.03	30.50' LT	1092.77	571001.48	742240.07
17	1300+71.03	30.50' LT	1092.80	570997.00	742237.86
18	1300+71.03	35.50' LT	1092.87	570999.21	742233.37
19	1300+70.27	35.50' LT	1092.87	570998.52	742233.03
20	1300+64.76	33.77' LT	1093.17	570992.82	742232.15
21	1300+66.26	29.00' LT	1093.09	570992.06	742237.09
22	1300+60.73	32.50' LT	1093.15	570988.64	742231.51
23	1300+61.49	27.50' LT	1093.08	570987.12	742236.33
24	1300+71.03	26.66' LT	1092.53	570995.30	742241.30
25	1300+82.03	35.50' LT	1092.61	571009.08	742238.24

LEGEND

XX XXXX.XX	POINT NUMBER/ELEVATION
TSFE	TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EROSION MAT URBAN CLASS TYPE A
PED	CONCRETE CURB PEDESTRIAN
CP6	CONCRETE PAVEMENT 6-INCH
AS	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
SW4	CONCRETE SIDEWALK 4-INCH
	CONCRETE SIDEWALK 4-INCH AND COLORED CONCRETE CUSTOM

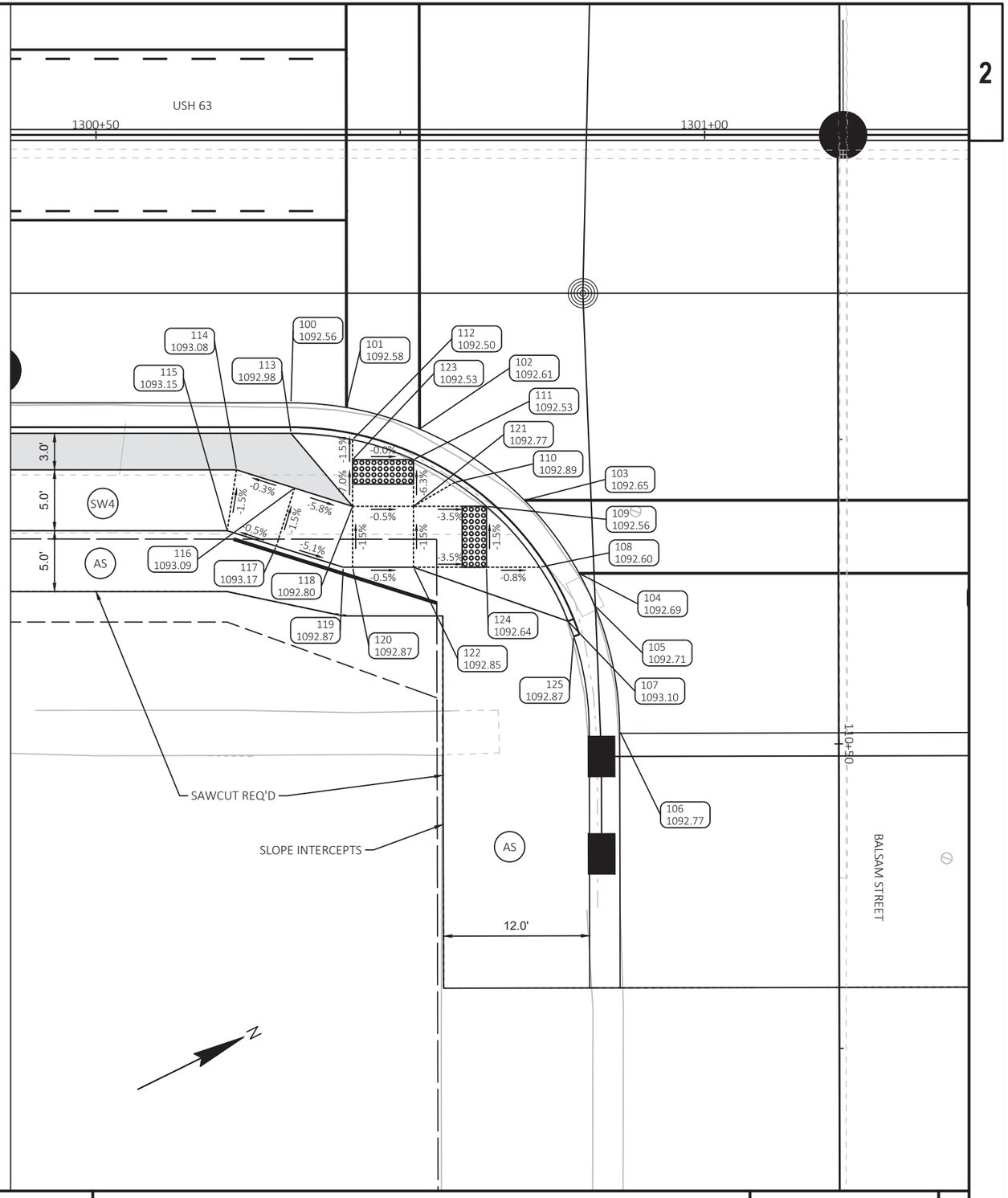


PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CURB RAMP DETAIL - BALSAM STREET SW	SHEET	E

BALSAM STREET SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
100	1300+66.02	22.00' RT	1092.56	570969.28	742282.73
101	1300+70.58	22.39' RT	1092.58	570973.20	742285.09
102	1300+76.58	24.15' RT	1092.61	570977.80	742289.33
103	1300+85.20	30.00' RT	1092.65	570982.95	742298.39
104	1300+89.68	36.00' RT	1092.69	570984.32	742305.75
105	1300+90.95	38.63' RT	1092.71	570984.29	742308.66
106	1300+93.02	48.94' RT	1092.77	570981.58	742318.83
107	1300+88.78	39.93' RT	1093.10	570981.77	742308.87
108	1300+86.46	35.50' RT	1092.60	570981.65	742303.88
109	1300+82.08	30.50' RT	1092.56	570979.93	742297.45
110	1300+79.46	28.53' RT	1092.89	570978.45	742294.53
111	1300+76.08	26.66' RT	1092.53	570976.25	742291.36
112	1300+71.08	25.03' RT	1092.50	570972.48	742287.68
113	1300+66.02	24.50' RT	1092.98	570968.18	742284.97
114	1300+61.54	27.50' RT	1093.08	570962.84	742285.68
115	1300+60.77	32.50' RT	1093.15	570959.94	742289.82
116	1300+66.31	29.00' RT	1093.09	570966.45	742289.13
117	1300+64.81	33.77' RT	1093.17	570963.00	742292.75
118	1300+71.08	30.50' RT	1092.80	570970.06	742292.59
119	1300+70.31	35.50' RT	1092.87	570967.16	742296.73
120	1300+71.08	35.50' RT	1092.87	570967.85	742297.07
121	1300+76.08	30.50' RT	1092.77	570974.55	742294.80
122	1300+76.08	35.50' RT	1092.85	570972.34	742299.28
123	1300+71.08	26.66' RT	1092.53	570971.76	742289.15
124	1300+82.08	35.50' RT	1092.64	570977.72	742301.94
125	1300+89.24	41.18' RT	1092.87	570981.63	742310.20

LEGEND

XX XXXX.XX	POINT NUMBER/ELEVATION
TSFE	TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EROSION MAT URBAN CLASS TYPE A
PED	CONCRETE CURB PEDESTRIAN
CP6	CONCRETE PAVEMENT 6-INCH
AS	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
SW4	CONCRETE SIDEWALK 4-INCH
	CONCRETE SIDEWALK 4-INCH AND COLORED CONCRETE CUSTOM



PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CURB RAMP DETAIL - BALSAM STREET SE	SHEET 83	E

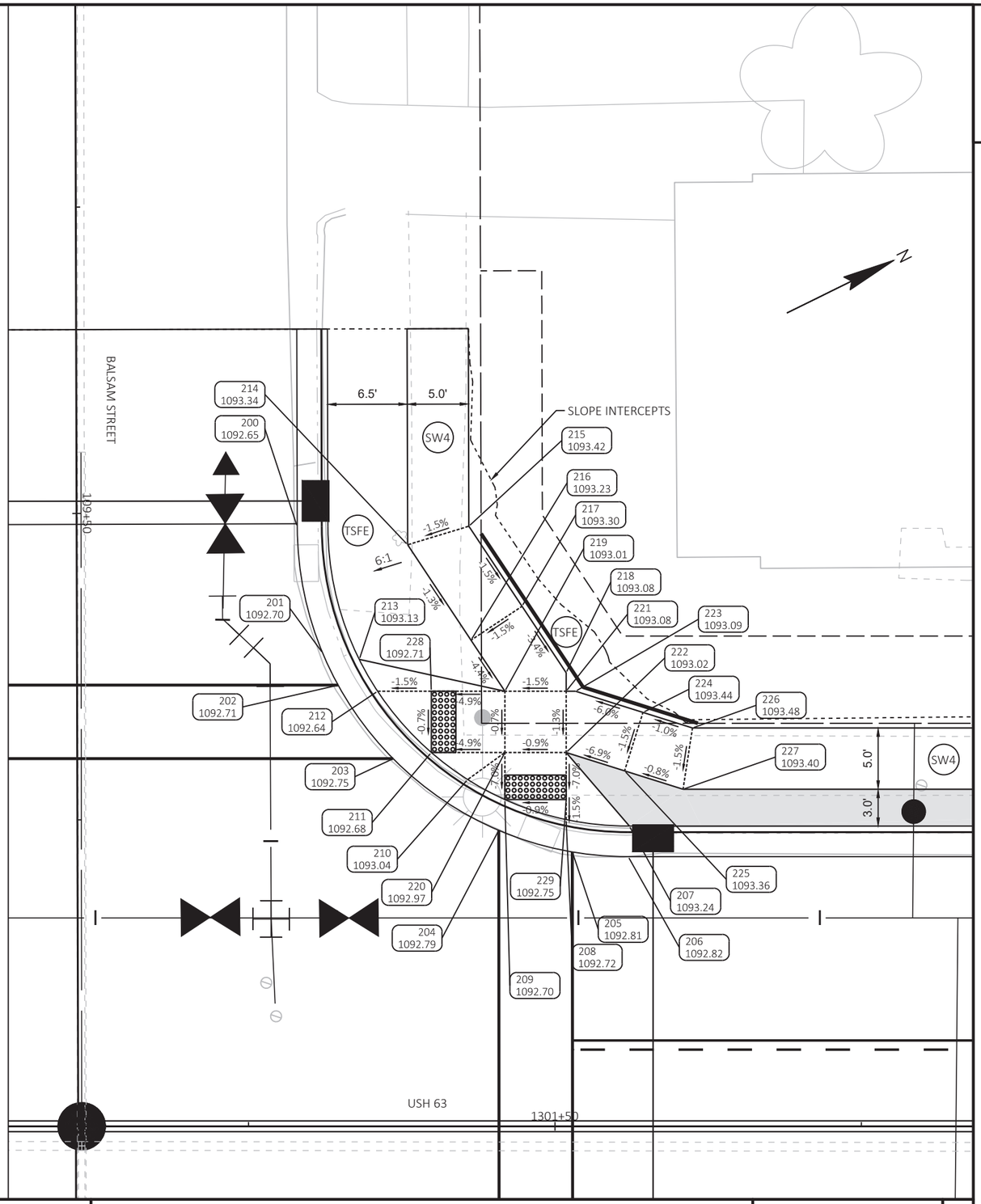
FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\023111 CR.DWG
LAYOUT NAME - BALSAM ST SE

PLOT DATE : 8/24/2021 2:31 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

BALSAM STREET NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
200	1301+28.97	48.93' LT	1092.65	571057.11	742246.95
201	1301+31.05	38.62' LT	1092.70	571054.41	742257.11
202	1301+32.31	36.00' LT	1092.71	571054.39	742260.02
203	1301+36.79	30.00' LT	1092.75	571055.75	742267.38
204	1301+45.41	24.15' LT	1092.79	571060.90	742276.44
205	1301+51.41	22.39' LT	1092.81	571065.50	742280.68
206	1301+55.97	22.00' LT	1092.82	571069.42	742283.04
207	1301+56.06	24.51' LT	1093.24	571070.61	742280.83
208	1301+50.91	25.03' LT	1092.72	571066.22	742278.09
209	1301+45.91	26.66' LT	1092.70	571062.46	742274.41
210	1301+42.88	28.29' LT	1093.04	571060.46	742271.61
211	1301+39.91	30.50' LT	1092.68	571058.77	742268.32
212	1301+35.53	35.50' LT	1092.64	571057.05	742261.89
213	1301+34.03	38.10' LT	1093.13	571056.86	742258.90
214	1301+37.98	47.45' LT	1093.34	571064.53	742252.26
215	1301+42.97	48.97' LT	1093.42	571069.69	742253.11
216	1301+43.14	39.67' LT	1093.23	571065.73	742261.53
217	1301+47.31	42.43' LT	1093.30	571070.69	742260.89
218	1301+50.91	37.01' LT	1093.08	571071.52	742267.34
219	1301+45.91	35.50' LT	1093.01	571066.37	742266.48
220	1301+45.91	30.50' LT	1092.97	571064.15	742270.97
221	1301+50.91	35.50' LT	1093.08	571070.85	742268.70
222	1301+50.91	30.50' LT	1093.02	571068.64	742273.18
223	1301+51.68	35.50' LT	1093.09	571071.54	742269.03
224	1301+57.18	33.77' LT	1093.44	571075.71	742273.02
225	1301+55.68	29.00' LT	1093.36	571072.25	742276.63
226	1301+61.22	32.50' LT	1093.48	571078.77	742275.94
227	1301+60.45	27.50' LT	1093.40	571075.87	742280.09
228	1301+39.91	35.50' LT	1092.71	571060.98	742263.83
229	1301+50.91	26.66' LT	1092.75	571066.94	742276.62

LEGEND

XX XXXX.XX	POINT NUMBER/ELEVATION
TSFE	TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EROSION MAT URBAN CLASS TYPE A
PED	CONCRETE CURB PEDESTRIAN
CP6	CONCRETE PAVEMENT 6-INCH
AS	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
SW4	CONCRETE SIDEWALK 4-INCH
	CONCRETE SIDEWALK 4-INCH AND COLORED CONCRETE CUSTOM

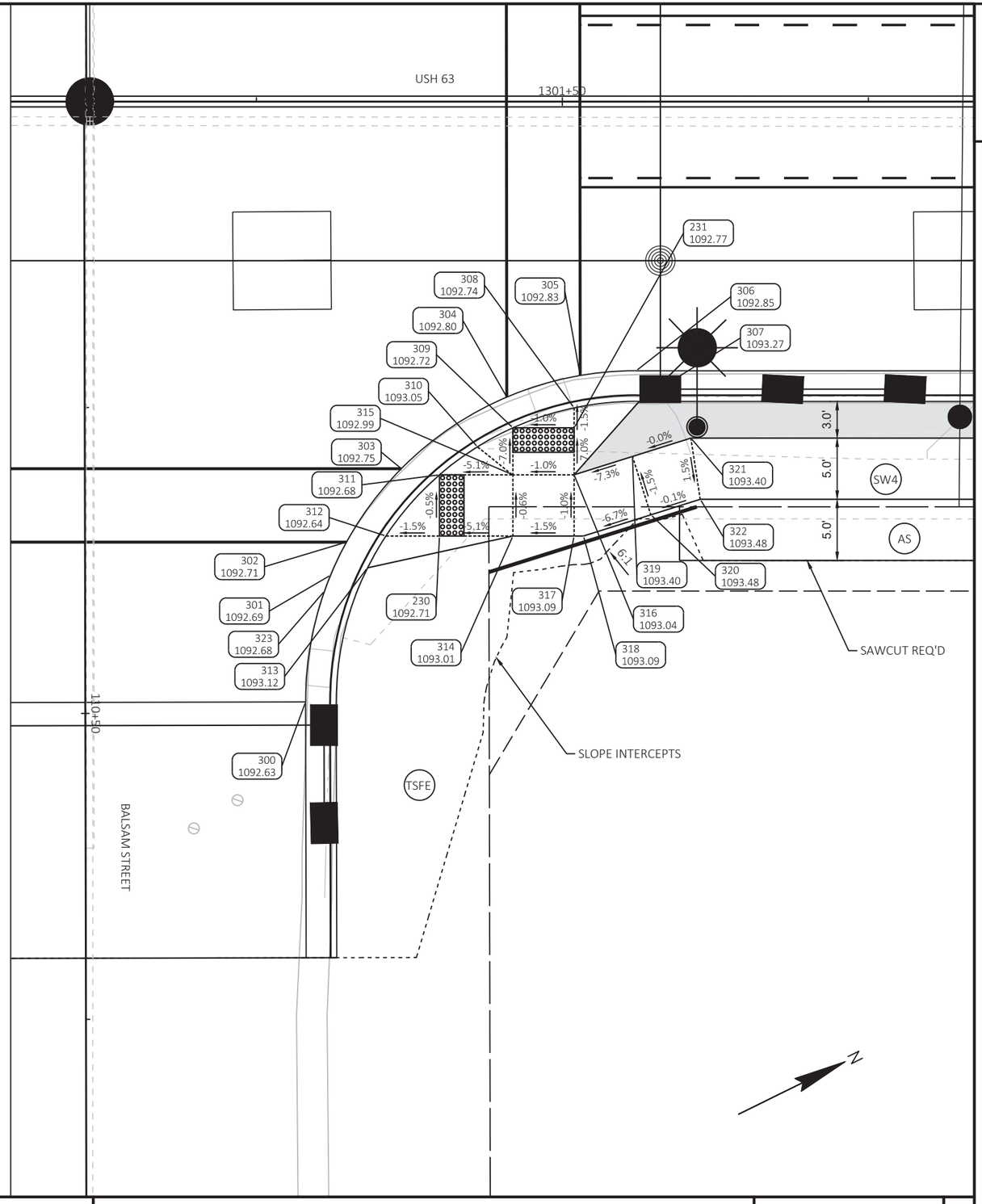


PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CURB RAMP DETAIL - BALSAM STREET NW	SHEET	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\023111 CR.DWG
LAYOUT NAME - BALSAM ST NW

PLOT DATE : 8/24/2021 2:32 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

BALSAM STREET NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
230	1301+39.96	35.50' RT	1092.71	571029.63	742327.53
231	1301+50.96	26.66' RT	1092.77	571043.40	742324.47
300	1301+29.02	49.06' RT	1092.63	571013.82	742334.85
301	1301+31.06	38.71' RT	1092.69	571020.23	742326.47
302	1301+32.35	36.00' RT	1092.71	571022.59	742324.62
303	1301+36.84	30.00' RT	1092.75	571029.26	742321.22
304	1301+45.46	24.15' RT	1092.80	571039.58	742319.79
305	1301+51.45	22.39' RT	1092.83	571045.74	742320.86
306	1301+56.02	22.00' RT	1092.85	571050.00	742322.53
307	1301+56.27	24.51' RT	1093.27	571049.12	742324.89
308	1301+50.96	25.03' RT	1092.74	571044.12	742323.00
309	1301+45.96	26.66' RT	1092.72	571038.92	742322.26
310	1301+43.06	28.22' RT	1093.05	571035.64	742322.37
311	1301+39.96	30.50' RT	1092.68	571031.84	742323.05
312	1301+35.57	35.50' RT	1092.64	571025.70	742325.59
313	1301+34.08	38.10' RT	1093.12	571023.21	742327.26
314	1301+45.96	35.50' RT	1093.01	571035.01	742330.19
315	1301+45.96	30.50' RT	1092.99	571037.22	742325.70
316	1301+50.96	30.50' RT	1093.04	571041.71	742327.91
317	1301+50.96	35.50' RT	1093.09	571039.49	742332.40
318	1301+51.72	35.50' RT	1093.09	571040.18	742332.74
319	1301+55.73	29.00' RT	1093.40	571046.65	742328.68
320	1301+57.23	33.77' RT	1093.48	571045.88	742333.62
321	1301+60.50	27.50' RT	1093.40	571051.59	742329.44
322	1301+61.26	32.50' RT	1093.48	571050.07	742334.26
323	1301+30.56	40.00' RT	1092.68	571019.21	742327.41



LEGEND

XX XXXX.XX	POINT NUMBER/ELEVATION
TSFE	TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EROSION MAT URBAN CLASS TYPE A
PED	CONCRETE CURB PEDESTRIAN
CP6	CONCRETE PAVEMENT 6-INCH
AS	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
SW4	CONCRETE SIDEWALK 4-INCH
	CONCRETE SIDEWALK 4-INCH AND COLORED CONCRETE CUSTOM

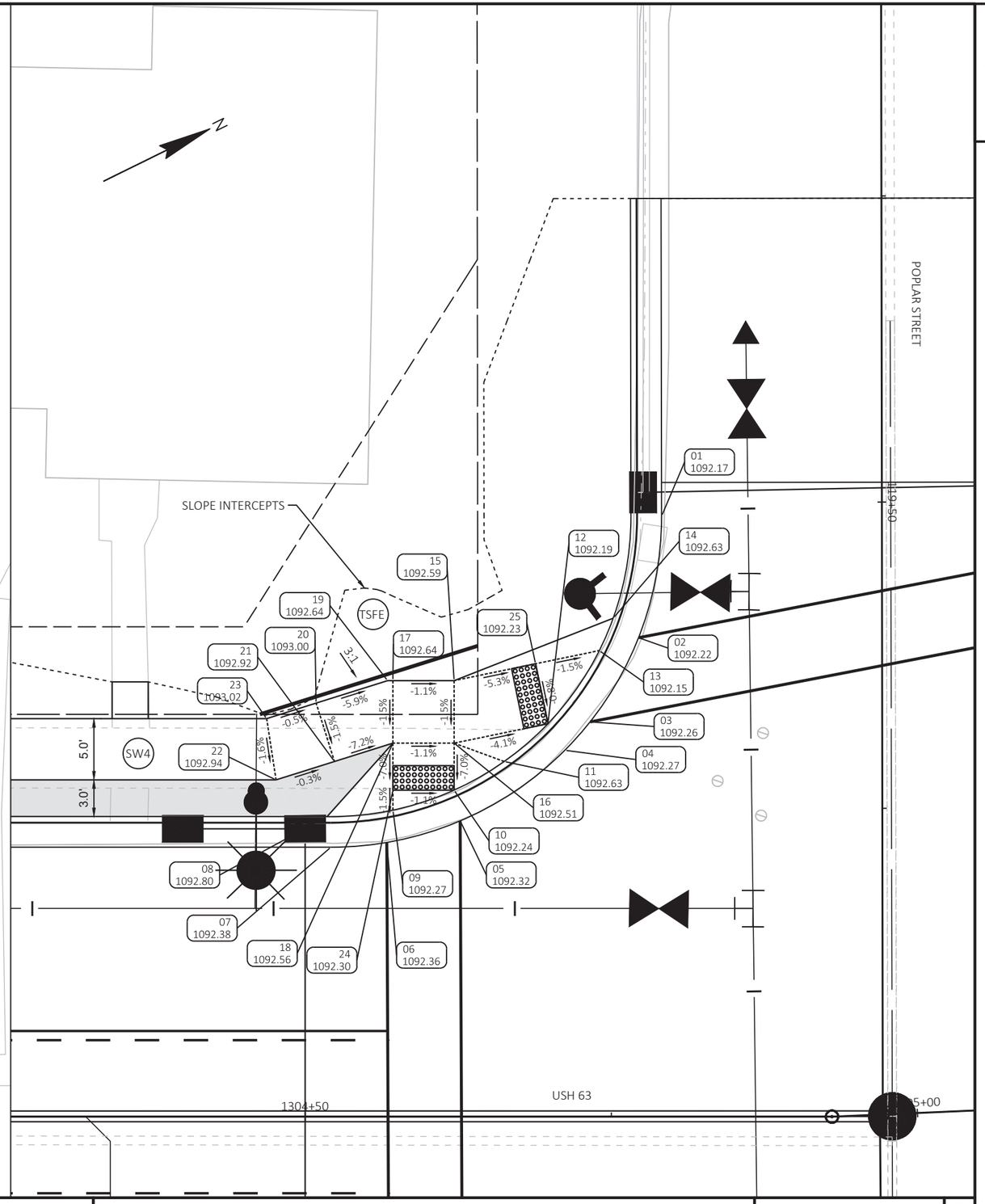
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CURB RAMP DETAIL - BALSAM STREET NE	SHEET 85	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\023111 CR.DWG
LAYOUT NAME - BALSAM ST NE

PLOT DATE : 8/24/2021 2:33 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

POPLAR STREET SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
01	1304+79.09	49.04' LT	1092.17	571371.19	742401.68
02	1304+77.22	39.11' LT	1092.22	571365.12	742409.76
03	1304+73.26	32.24' LT	1092.26	571358.53	742414.17
04	1304+71.20	29.92' LT	1092.27	571355.65	742415.34
05	1304+62.65	24.15' LT	1092.32	571345.43	742416.73
06	1304+56.66	22.39' LT	1092.36	571339.28	742415.66
07	1304+52.09	22.00' LT	1092.38	571335.01	742413.99
08	1304+51.76	24.50' LT	1092.80	571335.82	742411.60
09	1304+57.16	25.03' LT	1092.27	571340.89	742413.52
10	1304+62.16	26.66' LT	1092.24	571346.10	742414.26
11	1304+66.25	29.00' LT	1092.63	571350.80	742413.97
12	1304+69.82	32.09' LT	1092.19	571355.37	742412.79
13	1304+74.02	38.06' LT	1092.15	571361.78	742409.28
14	1304+75.15	40.71' LT	1092.63	571363.96	742407.41
15	1304+62.16	35.61' LT	1092.59	571350.06	742406.24
16	1304+62.16	30.50' LT	1092.51	571347.80	742410.82
17	1304+57.16	35.61' LT	1092.64	571345.57	742404.03
18	1304+57.16	30.50' LT	1092.56	571343.31	742408.61
19	1304+56.73	35.61' LT	1092.64	571345.19	742403.84
20	1304+50.89	33.77' LT	1093.00	571339.14	742402.90
21	1304+52.39	29.00' LT	1092.92	571338.37	742407.84
22	1304+47.62	27.50' LT	1092.94	571333.43	742407.08
23	1304+46.85	32.50' LT	1093.02	571334.95	742402.26
24	1304+57.16	26.66' LT	1092.30	571341.62	742412.05
25	1304+68.81	36.98' LT	1092.23	571356.63	742407.95



LEGEND

XX XXXX.XX	POINT NUMBER/ELEVATION
TSFE	TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EROSION MAT URBAN CLASS TYPE A
PED	CONCRETE CURB PEDESTRIAN
CP6	CONCRETE PAVEMENT 6-INCH
AS	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
SW4	CONCRETE SIDEWALK 4-INCH
	CONCRETE SIDEWALK 4-INCH AND COLORED CONCRETE CUSTOM

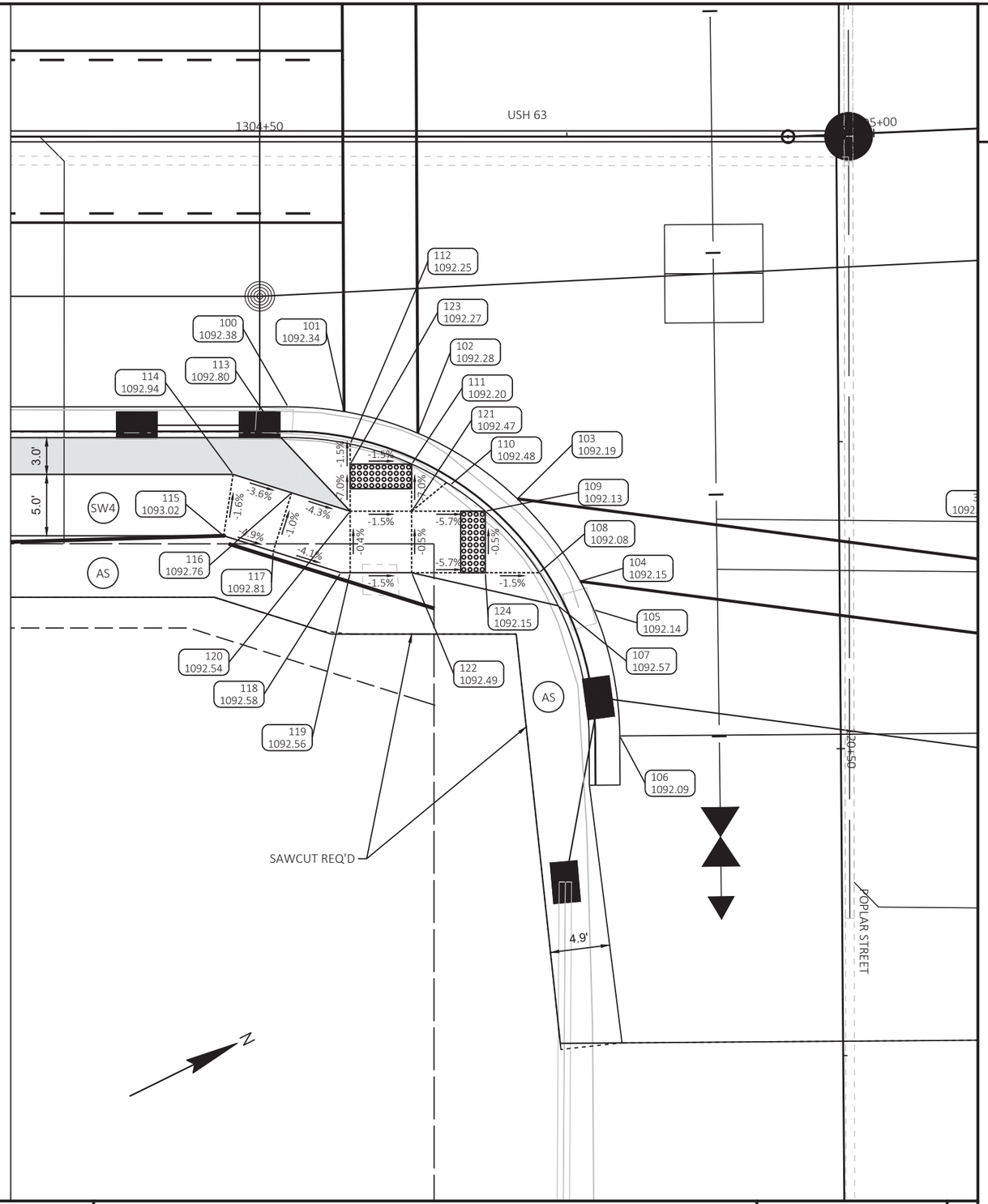
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CURB RAMP DETAIL - POPLAR STREET SW	SHEET 86	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\023112 CR.DWG
LAYOUT NAME - POPLAR ST SW

PLOT DATE : 8/24/2021 2:35 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

POPLAR STREET SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
100	1304+52.30	22.00' RT	1092.38	571315.74	742453.55
101	1304+56.87	22.39' RT	1092.34	571319.66	742455.92
102	1304+62.87	24.16' RT	1092.28	571324.27	742460.16
103	1304+70.97	29.49' RT	1092.19	571329.17	742468.52
104	1304+76.08	36.21' RT	1092.15	571330.79	742476.81
105	1304+77.19	38.53' RT	1092.14	571330.76	742479.38
106	1304+79.30	48.80' RT	1092.09	571328.11	742489.52
107	1304+74.29	38.19' RT	1092.57	571328.30	742477.79
108	1304+72.75	35.50' RT	1092.08	571328.11	742474.70
109	1304+68.37	30.50' RT	1092.13	571326.39	742468.28
110	1304+65.51	28.36' RT	1092.48	571324.77	742465.09
111	1304+62.37	26.66' RT	1092.20	571322.71	742462.18
112	1304+57.37	25.03' RT	1092.25	571318.94	742458.51
113	1304+51.72	24.50' RT	1092.80	571314.11	742455.53
114	1304+47.83	27.50' RT	1092.94	571309.30	742456.50
115	1304+47.06	32.50' RT	1093.02	571306.40	742460.65
116	1304+52.60	29.00' RT	1092.76	571312.91	742459.96
117	1304+51.10	33.77' RT	1092.81	571309.46	742463.57
118	1304+56.60	35.50' RT	1092.58	571313.63	742467.56
119	1304+57.37	35.50' RT	1092.56	571314.31	742467.90
120	1304+57.37	30.50' RT	1092.54	571316.53	742463.41
121	1304+62.37	30.50' RT	1092.47	571321.01	742465.62
122	1304+62.37	35.50' RT	1092.49	571318.80	742470.11
123	1304+57.37	26.66' RT	1092.27	571318.22	742459.97
124	1304+68.37	35.50' RT	1092.15	571324.18	742472.76



LEGEND

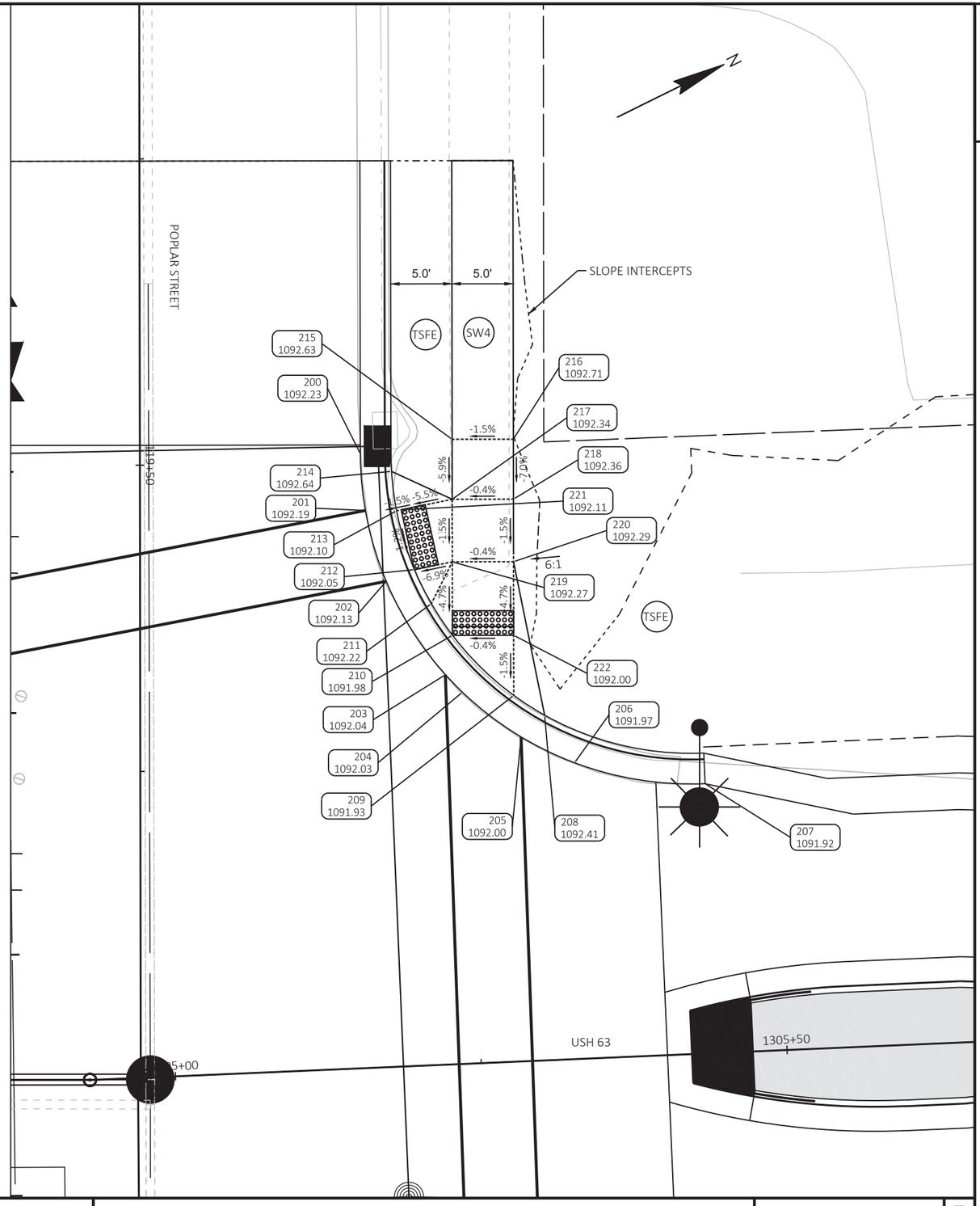
XX XXXX.XX	POINT NUMBER/ELEVATION
TSFE	TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EROSION MAT URBAN CLASS TYPE A
PED	CONCRETE CURB PEDESTRIAN
CP6	CONCRETE PAVEMENT 6-INCH
AS	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
SW4	CONCRETE SIDEWALK 4-INCH
	CONCRETE SIDEWALK 4-INCH AND COLORED CONCRETE CUSTOM

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CURB RAMP DETAIL - POPLAR STREET SE	SHEET 87	E

POPLAR STREET NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
200	1305+17.27	50.12' LT	1092.23	571404.39	742415.74
201	1305+17.48	45.47' LT	1092.19	571402.71	742420.07
202	1305+18.92	39.62' LT	1092.13	571401.68	742426.01
203	1305+23.44	31.80' LT	1092.04	571402.65	742434.99
204	1305+24.76	30.31' LT	1092.03	571403.26	742436.89
205	1305+29.39	26.45' LT	1092.00	571405.94	742442.29
206	1305+33.65	24.16' LT	1091.97	571408.92	742446.10
207	1305+44.24	22.00' LT	1091.92	571417.74	742452.35
208	1305+31.39	28.14' LT	1092.41	571408.45	742441.54
209	1305+28.94	29.87' LT	1091.93	571406.90	742438.97
210	1305+24.15	34.99' LT	1091.98	571404.58	742432.36
211	1305+22.54	37.64' LT	1092.22	571404.18	742429.28
212	1305+21.27	40.48' LT	1092.05	571404.17	742426.18
213	1305+20.02	45.34' LT	1092.10	571404.98	742421.22
214	1305+19.75	48.58' LT	1092.64	571406.04	742418.15
215	1305+24.81	50.98' LT	1092.63	571411.64	742418.00
216	1305+29.81	50.77' LT	1092.71	571416.13	742420.20
217	1305+24.61	46.08' LT	1092.34	571409.48	742422.39
218	1305+29.60	45.88' LT	1092.36	571413.97	742424.59
219	1305+24.39	40.98' LT	1092.27	571407.23	742426.97
220	1305+29.39	40.78' LT	1092.29	571411.72	742429.18
221	1305+20.40	45.40' LT	1092.11	571405.36	742421.32
222	1305+29.14	34.78' LT	1092.00	571409.07	742434.56

LEGEND

- XX / XXXX.XX — POINT NUMBER/ELEVATION
- TSFE — TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EROSION MAT URBAN CLASS TYPE A
- PED — CONCRETE CURB PEDESTRIAN
- CP6 — CONCRETE PAVEMENT 6-INCH
- AS — ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
- SW4 — CONCRETE SIDEWALK 4-INCH
- CONCRETE SIDEWALK 4-INCH AND COLORED CONCRETE CUSTOM

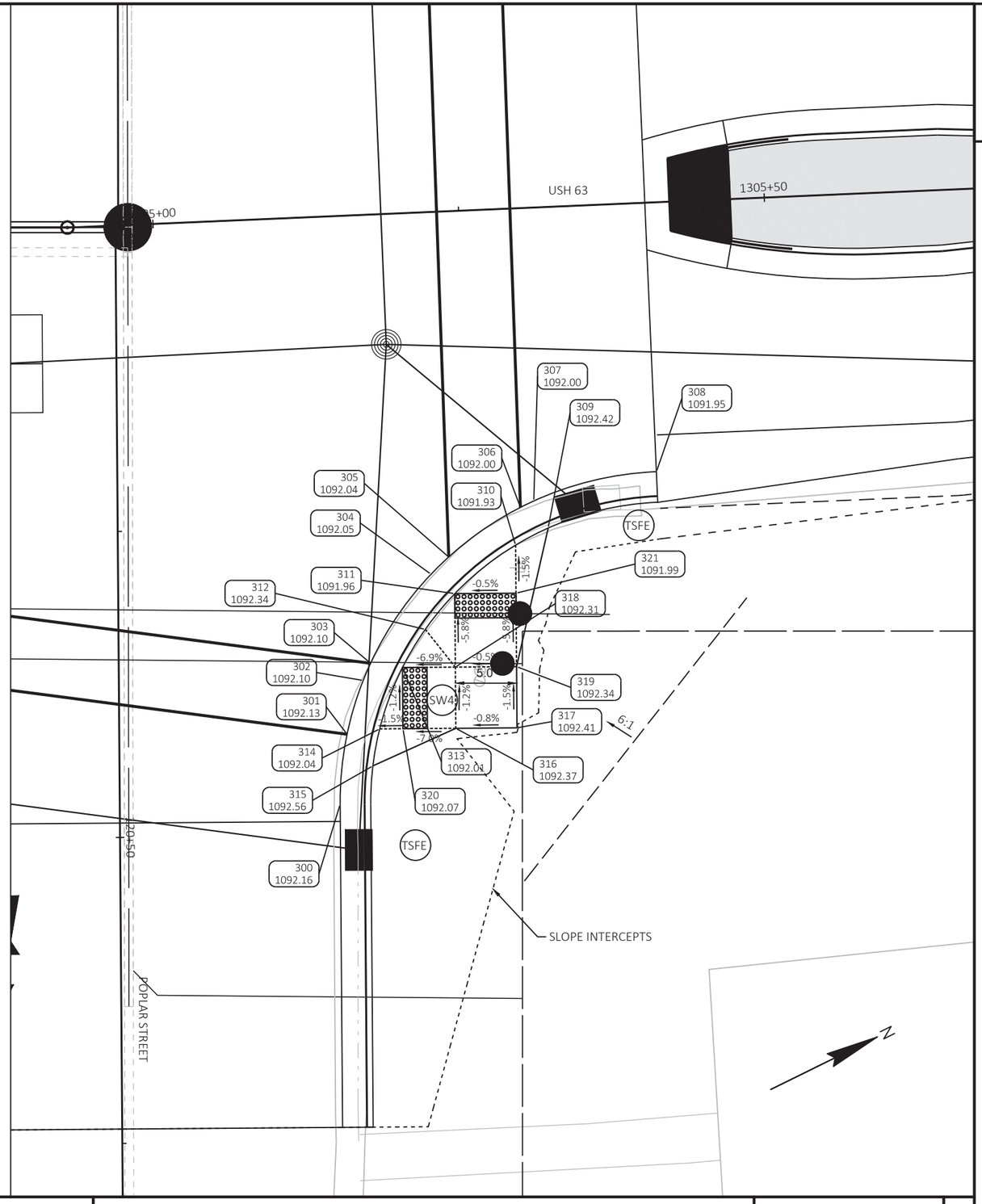


PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CURB RAMP DETAIL - POPLAR STREET NW	SHEET 88	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\023112 CR.DWG
LAYOUT NAME - POPLAR ST NW

PLOT DATE : 8/24/2021 2:36 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

POPLAR STREET NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
300	1305+13.24	48.04' RT	1092.16	571361.12	742503.94
301	1305+14.06	42.34' RT	1092.13	571364.17	742499.05
302	1305+15.57	38.01' RT	1092.10	571367.30	742495.70
303	1305+16.23	36.63' RT	1092.10	571368.46	742494.70
304	1305+21.48	29.57' RT	1092.05	571376.11	742490.36
305	1305+22.98	28.23' RT	1092.04	571378.02	742489.74
306	1305+29.01	24.44' RT	1092.00	571385.07	742488.70
307	1305+30.12	23.96' RT	1092.00	571386.27	742488.71
308	1305+40.23	22.00' RT	1091.95	571396.32	742490.99
309	1305+31.20	26.22' RT	1092.42	571386.35	742491.22
310	1305+28.48	27.50' RT	1091.93	571383.35	742491.29
311	1305+23.35	31.24' RT	1091.96	571377.14	742492.64
312	1305+20.82	34.06' RT	1092.34	571373.70	742494.20
313	1305+18.82	37.09' RT	1092.01	571370.64	742496.17
314	1305+16.74	42.02' RT	1092.04	571366.76	742499.84
315	1305+16.05	45.01' RT	1092.56	571364.92	742502.30
316	1305+22.96	42.24' RT	1092.37	571372.35	742502.55
317	1305+27.95	42.41' RT	1092.41	571376.85	742504.72
318	1305+23.13	37.24' RT	1092.31	571374.53	742498.05
319	1305+28.13	37.42' RT	1092.34	571379.03	742500.22
320	1305+18.64	42.08' RT	1092.07	571368.47	742500.67
321	1305+28.34	31.42' RT	1091.99	571381.64	742494.82



LEGEND

XX XXXX.XX	POINT NUMBER/ELEVATION
TSFE	TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EROSION MAT URBAN CLASS TYPE A
PED	CONCRETE CURB PEDESTRIAN
CP6	CONCRETE PAVEMENT 6-INCH
AS	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
SW4	CONCRETE SIDEWALK 4-INCH
	CONCRETE SIDEWALK 4-INCH AND COLORED CONCRETE CUSTOM

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CURB RAMP DETAIL - POPLAR STREET NE	SHEET 89	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\023112 CR.DWG
LAYOUT NAME - POPLAR ST NE

PLOT DATE : 8/24/2021 2:37 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

2

2

PIER

N

A/C

SIGN

SIGN

1249+00 1250+00 1251+00 1252+00 1253+00 1254+00

MATCHLINE STA 1254+50.00

USH 63

BEGIN PROJECT
STA 1248+55.00

SIGN SIGN SIGN

GREENWOOD AVENUE

1+00

MH

END CONSTRUCTION
STA 0+50.64

LEGEND

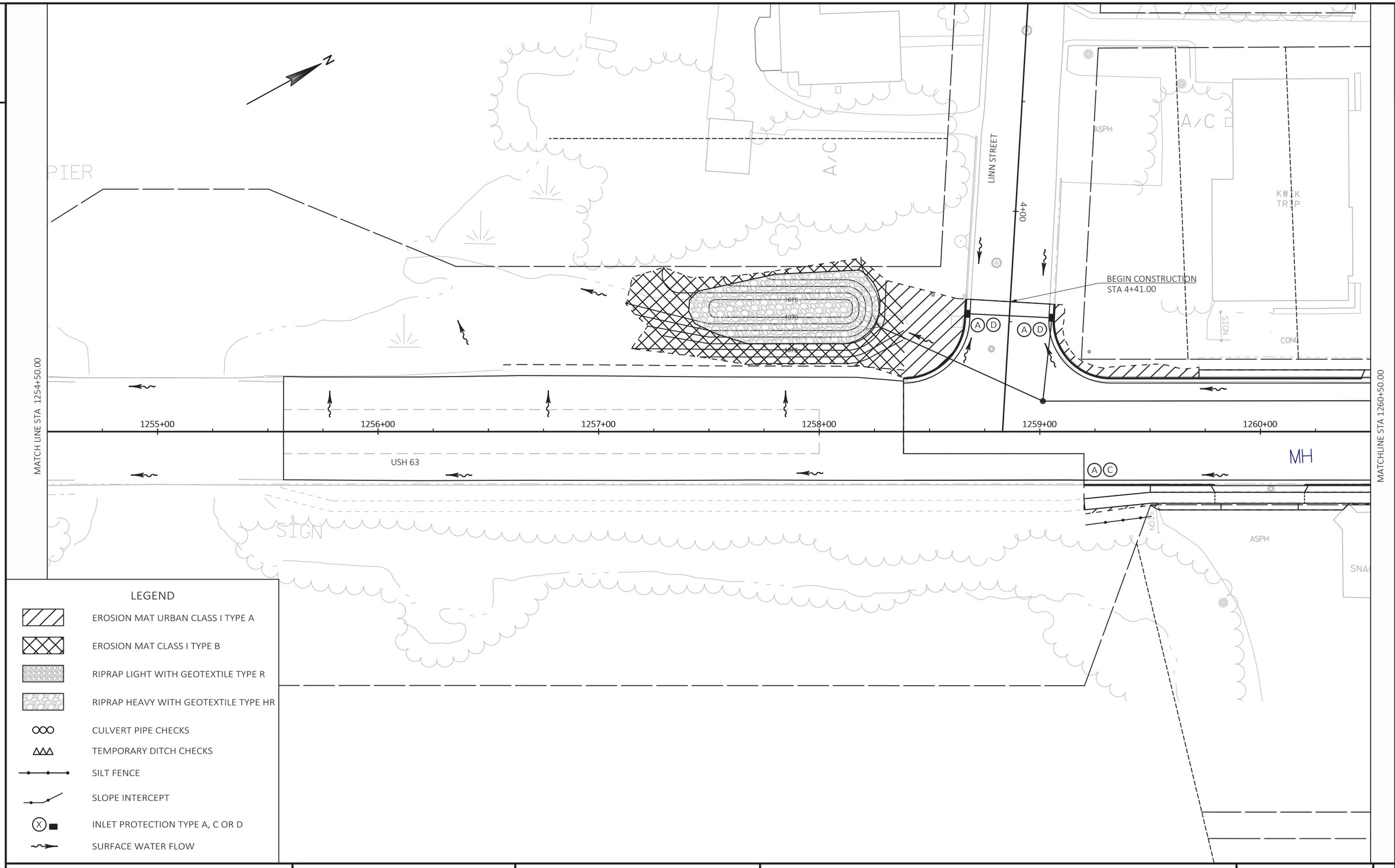
- EROSION MAT URBAN CLASS I TYPE A
- EROSION MAT CLASS I TYPE B
- RIPRAP LIGHT WITH GEOTEXTILE TYPE R
- RIPRAP HEAVY WITH GEOTEXTILE TYPE HR
- CULVERT PIPE CHECKS
- TEMPORARY DITCH CHECKS
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION TYPE A, C OR D
- SURFACE WATER FLOW

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	EROSION CONTROL	SHEET 90	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 1

PLOT DATE : 8/24/2021 9:14 AM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



LEGEND

- EROSION MAT URBAN CLASS I TYPE A
- EROSION MAT CLASS I TYPE B
- RIPRAP LIGHT WITH GEOTEXTILE TYPE R
- RIPRAP HEAVY WITH GEOTEXTILE TYPE HR
- CULVERT PIPE CHECKS
- TEMPORARY DITCH CHECKS
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION TYPE A, C OR D
- SURFACE WATER FLOW

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	EROSION CONTROL	SHEET	E

2

BEGIN CONSTRUCTION
STA 8+53.00

MATCH LINE STA 1260+50.00

MATCHLINE STA 1265+50.00

STH 70

USH 63

9+00

10+00

11+00

1261+00

1262+00

1263+00

1264+00

1265+00

CANOPY

CONC

ASPH

FILLER CAPS

SIGN

GAR

HSE

ALLEY

WOOD FENCE

AMERICAN INSURANCE

A/C

WOOD/ LANDSCAPE

PLANTER

CONC

SAW THIS

'S BAR

SIGN/ BOLLARDS

COLDWELL BANKER REALTY

POST

SIGN/ PLANTER

SDWK

MC DONALDS

TOURIST INFORMATION CENTER

MH

END CONSTRUCTION
STA 11+10.00

LEGEND

- EROSION MAT URBAN CLASS I TYPE A
- EROSION MAT CLASS I TYPE B
- RIPRAP LIGHT WITH GEOTEXTILE TYPE R
- RIPRAP HEAVY WITH GEOTEXTILE TYPE HR
- CULVERT PIPE CHECKS
- TEMPORARY DITCH CHECKS
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION TYPE A, C OR D
- SURFACE WATER FLOW

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	EROSION CONTROL	SHEET 92	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 3

PLOT DATE : 8/24/2021 9:15 AM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

VINE STREET

ASH STREET

ALLEY

BEGIN CONSTRUCTION
STA 19+25.00

BEGIN CONSTRUCTION
STA 29+25.00

END CONSTRUCTION
STA 20+85.00

END CONSTRUCTION
STA 30+85.00

MATCH LINE STA 1265+50.00

MATCHLINE STA 1271+00.00

19+00

20+00

21+00

29+00

30+00

31+00

1266+00

1267+00

1268+00

1269+00

1270+00

USH 63

HSE

EDINA REALITY

TIME FOR ME HAIR SALON

LANDSCAPING

SIGN

ASPH

SHELL LAKE STATE BANK

FLAG

SHRUBS W/ LIGHTS

CONC

ROBERT ATTORNEY

NICK'S FAMILY RESTAURANT

ACE HARDWARE

CANOPY

TRAD

A/C

LEGEND

- EROSION MAT URBAN CLASS I TYPE A
- EROSION MAT CLASS I TYPE B
- RIPRAP LIGHT WITH GEOTEXTILE TYPE R
- RIPRAP HEAVY WITH GEOTEXTILE TYPE HR
- CULVERT PIPE CHECKS
- TEMPORARY DITCH CHECKS
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION TYPE A, C OR D
- SURFACE WATER FLOW

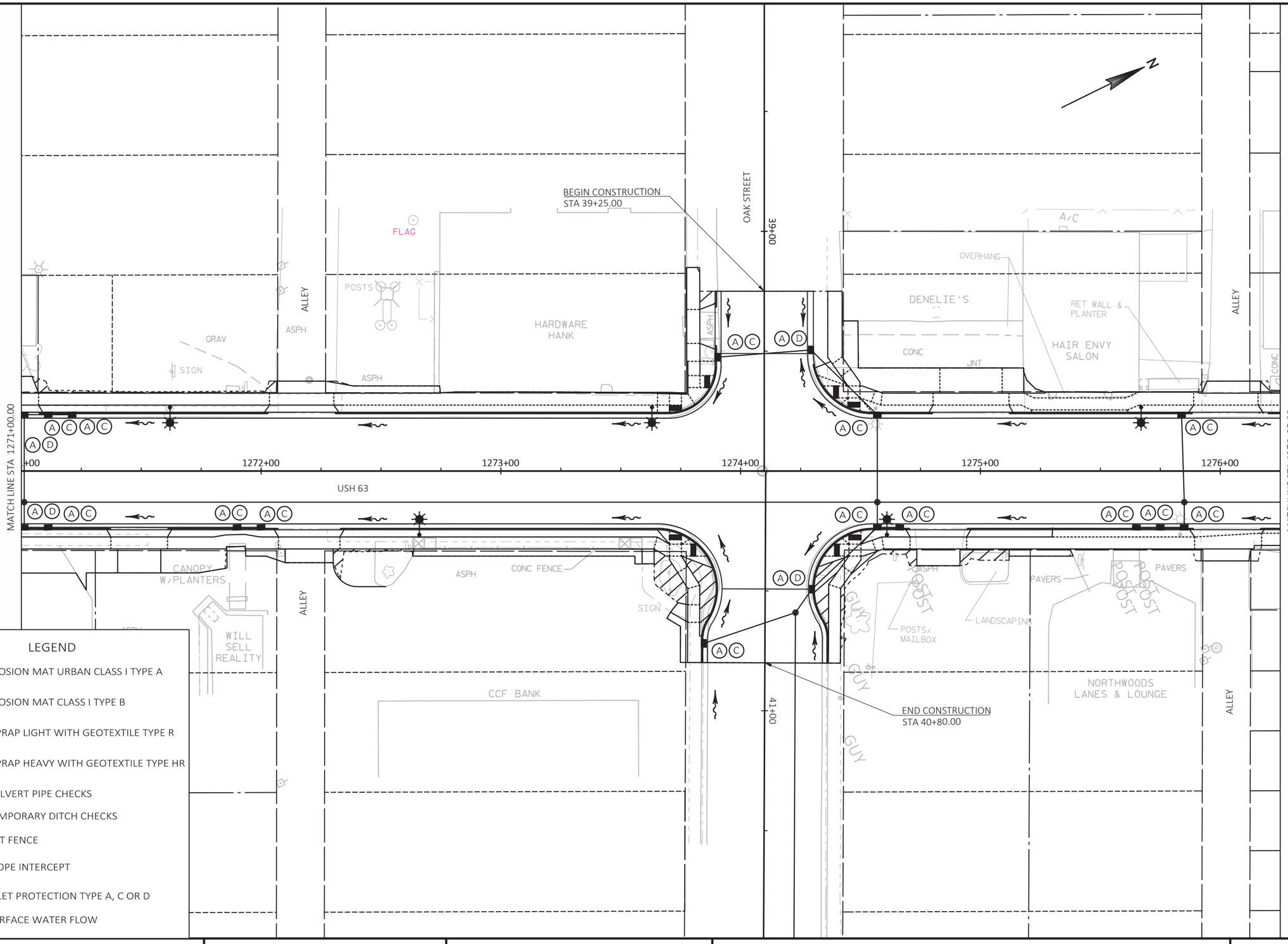
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	EROSION CONTROL	SHEET 93	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 4

PLOT DATE : 8/24/2021 9:16 AM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



LEGEND

- EROSION MAT URBAN CLASS I TYPE A
- EROSION MAT CLASS I TYPE B
- RIPRAP LIGHT WITH GEOTEXTILE TYPE R
- RIPRAP HEAVY WITH GEOTEXTILE TYPE HR
- CULVERT PIPE CHECKS
- TEMPORARY DITCH CHECKS
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION TYPE A, C OR D
- SURFACE WATER FLOW

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	EROSION CONTROL	SHEET 94	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 5
PLOT DATE : 8/24/2021 9:16 AM
PLOT BY : ANNIE JEROME
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

N

WALNUT STREET

49+00

BANK OF THE WEST

BEGIN CONSTRUCTION
STA 49+50.67

NORTHWIND
BOOK & FIBER

NATURALLY NORTH

RET WALLS

CONC

FLAG

ALLEY

RIVER STREET
FAMILY
RESTAURANT

STAMPED
CONC

ASPH

OVERHANG

A C

MATCH LINE STA 1276+25.00

1277+00

1278+00

1279+00

1280+00

1281

MATCHLINE STA 1281+00.00

USH 63

CAT'S
MEOW

STEPS

SPOONER
MERCANTILE CO

RED CROSS
PHARMACY

OVERHANG

ALLEY

ASPH

ASPH

WOOD FENCE

SIDEWALK

END CONSTRUCTION
STA 50+70.00

51+00

LEGEND

- EROSION MAT URBAN CLASS I TYPE A
- EROSION MAT CLASS I TYPE B
- RIPRAP LIGHT WITH GEOTEXTILE TYPE R
- RIPRAP HEAVY WITH GEOTEXTILE TYPE HR
- CULVERT PIPE CHECKS
- TEMPORARY DITCH CHECKS
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION TYPE A, C OR D
- SURFACE WATER FLOW

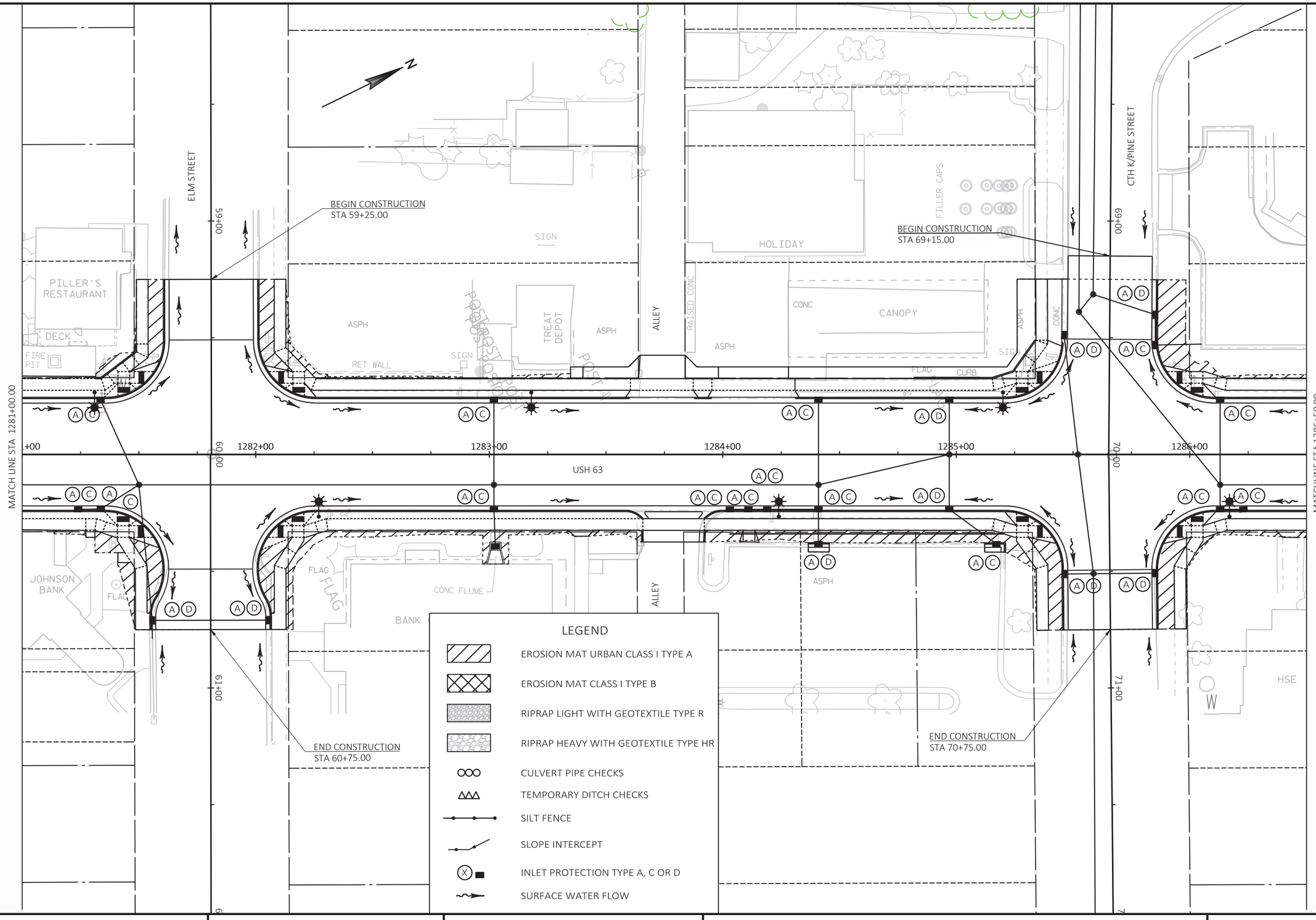
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	EROSION CONTROL	SHEET 95	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 6

PLOT DATE : 8/24/2021 9:17 AM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:40 FT

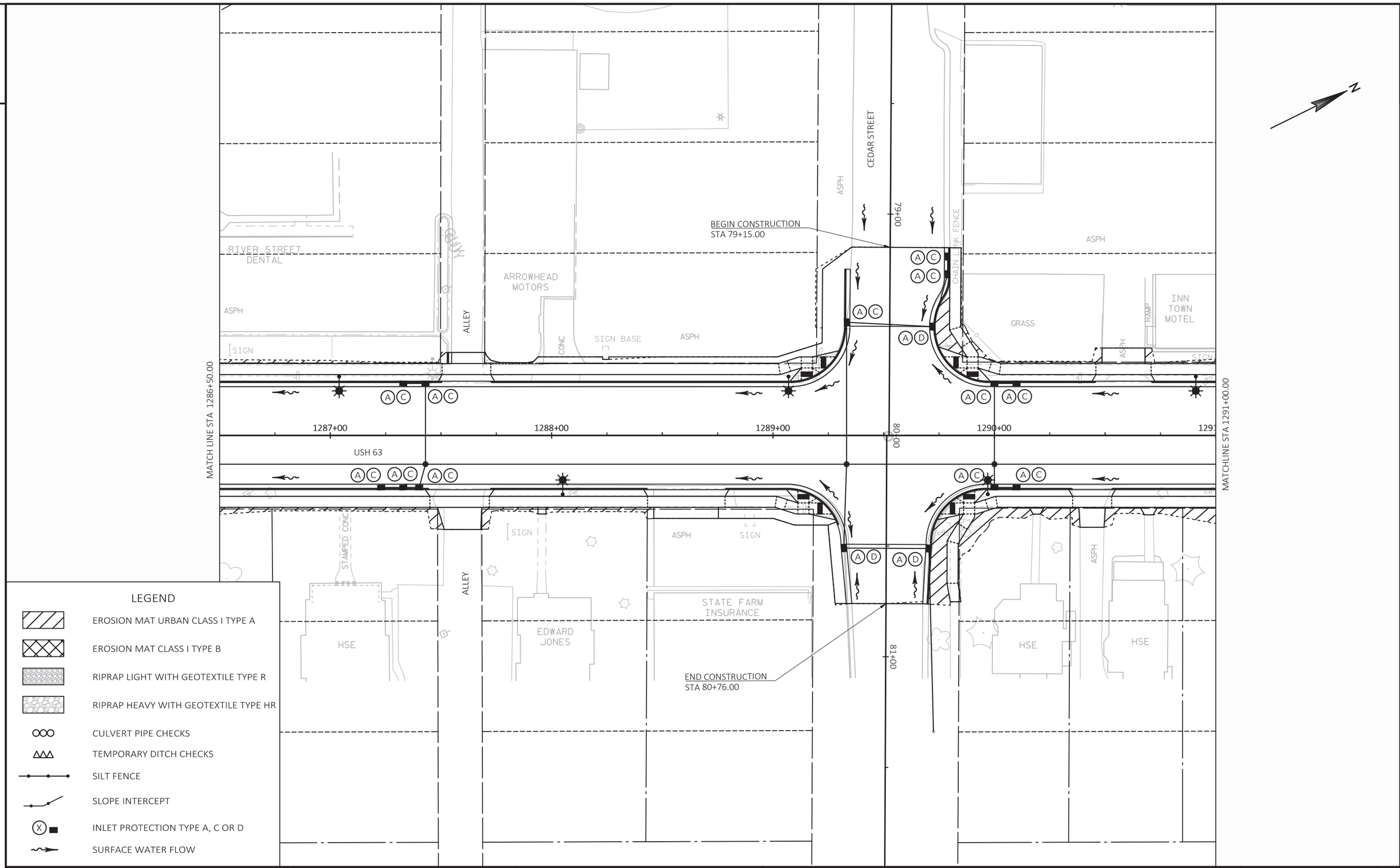
WISDOT/CADDS SHEET 42

2



PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	EROSION CONTROL	SHEET 96	E

2



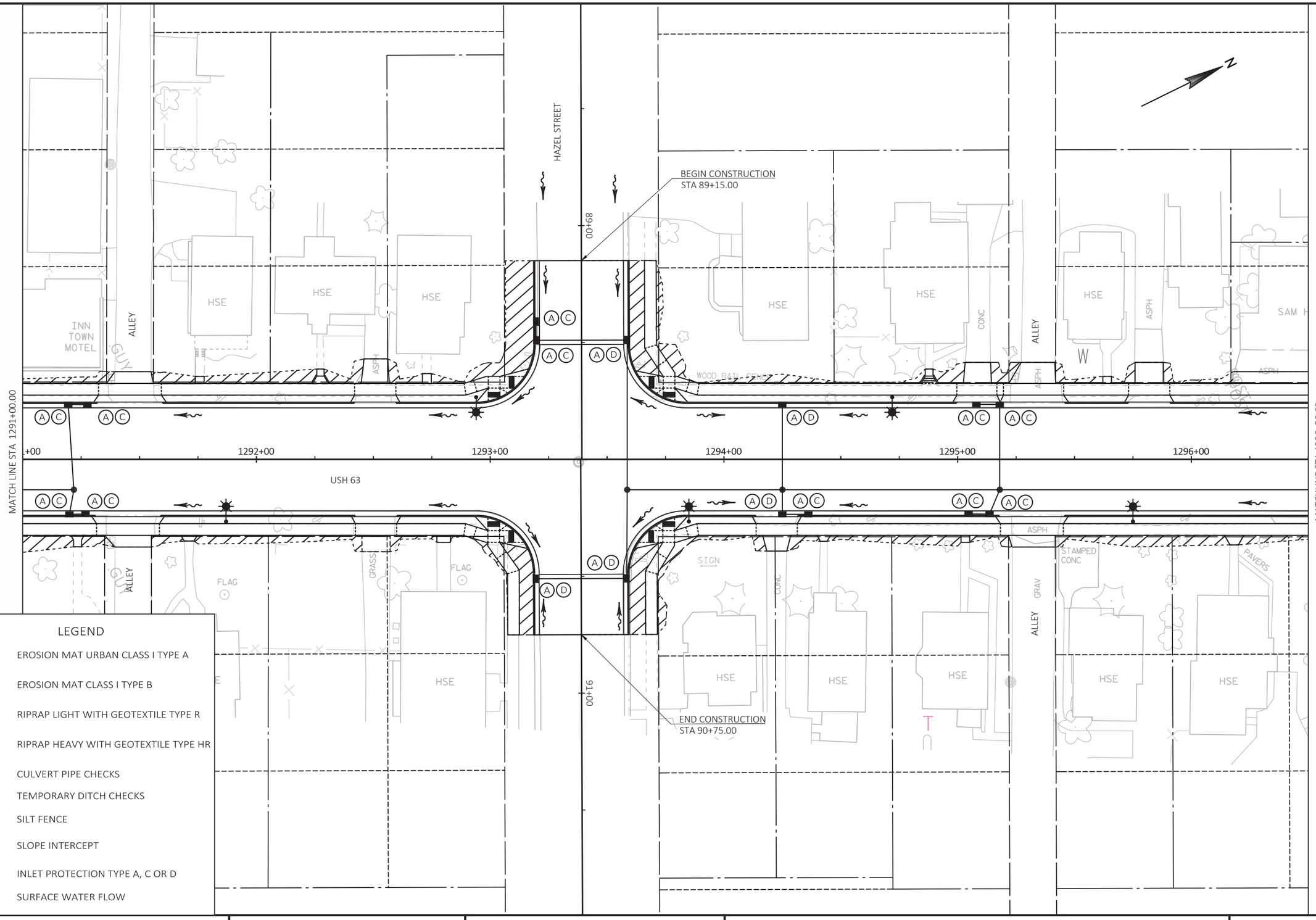
LEGEND

- EROSION MAT URBAN CLASS I TYPE A
- EROSION MAT CLASS I TYPE B
- RIPRAP LIGHT WITH GEOTEXTILE TYPE R
- RIPRAP HEAVY WITH GEOTEXTILE TYPE HR
- CULVERT PIPE CHECKS
- TEMPORARY DITCH CHECKS
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION TYPE A, C OR D
- SURFACE WATER FLOW

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	EROSION CONTROL	SHEET 97	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 8
PLOT DATE : 8/24/2021 9:18 AM
PLOT BY : ANNIE JEROME
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2



LEGEND

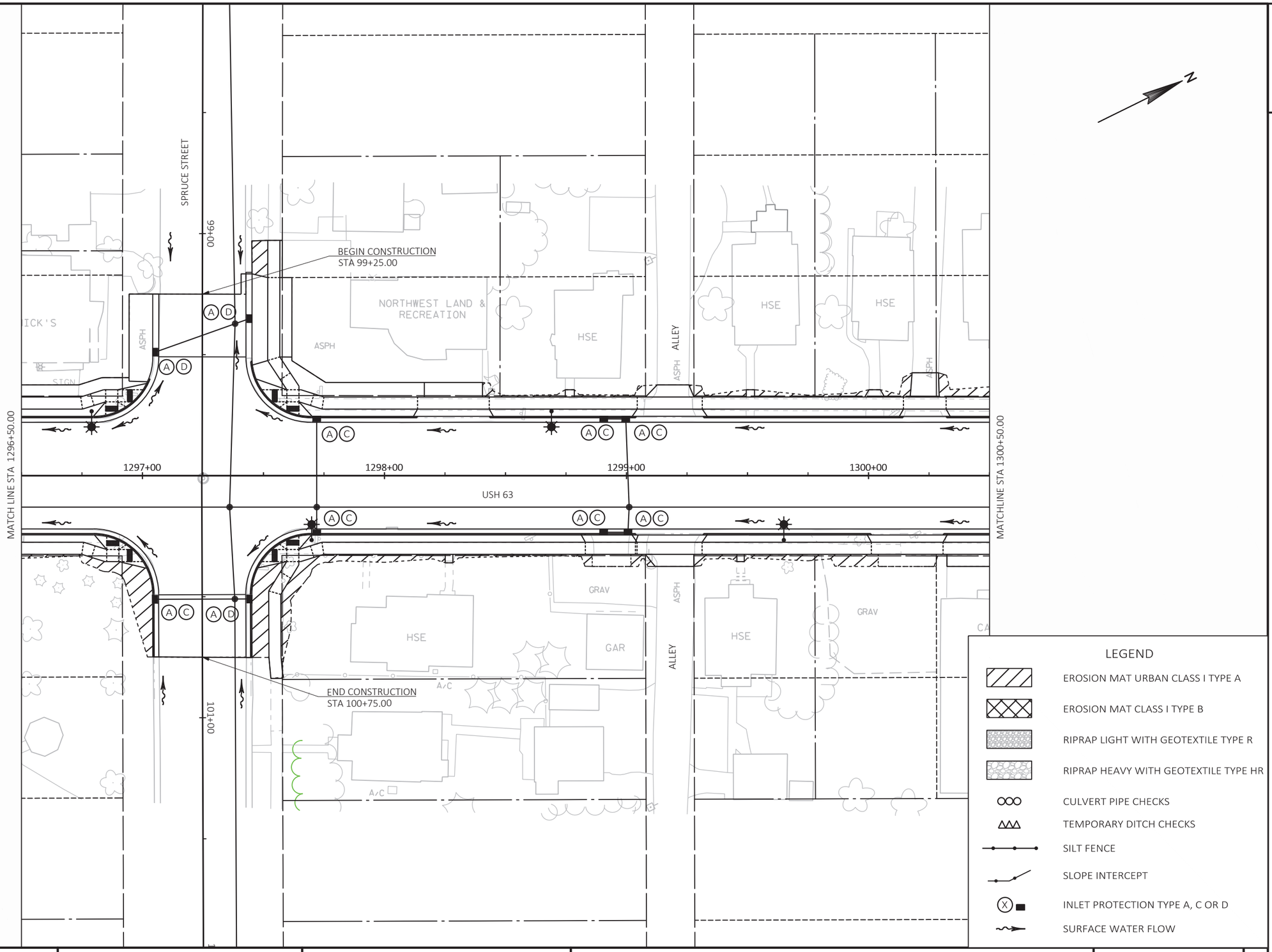
- EROSION MAT URBAN CLASS I TYPE A
- EROSION MAT CLASS I TYPE B
- RIPRAP LIGHT WITH GEOTEXTILE TYPE R
- RIPRAP HEAVY WITH GEOTEXTILE TYPE HR
- CULVERT PIPE CHECKS
- TEMPORARY DITCH CHECKS
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION TYPE A, C OR D
- SURFACE WATER FLOW

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	EROSION CONTROL	SHEET	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 9

PLOT DATE : 8/24/2021 9:18 AM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

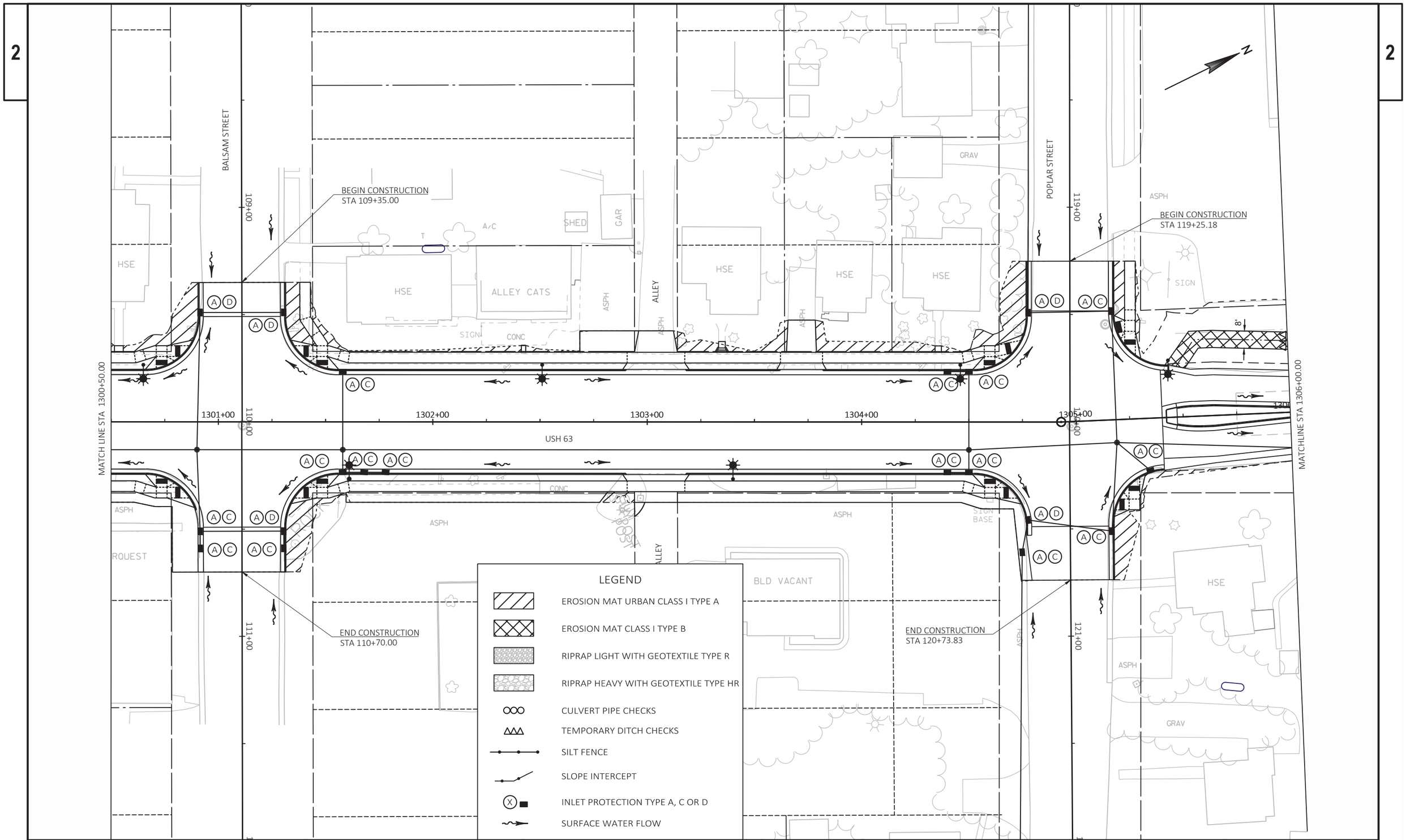


LEGEND

- EROSION MAT URBAN CLASS I TYPE A
- EROSION MAT CLASS I TYPE B
- RIPRAP LIGHT WITH GEOTEXTILE TYPE R
- RIPRAP HEAVY WITH GEOTEXTILE TYPE HR
- CULVERT PIPE CHECKS
- TEMPORARY DITCH CHECKS
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION TYPE A, C OR D
- SURFACE WATER FLOW

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	EROSION CONTROL	SHEET 99	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 10
PLOT DATE : 8/24/2021 9:19 AM
PLOT BY : ANNIE JEROME
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42



PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	EROSION CONTROL	SHEET 100	E

2

REILLY AUTO PARTS

BEGIN CONSTRUCTION
STA 128+15.24

RIPRAP

NEW DRIVEWAY

129+00

12'

ASPH

8"

15" CMP

10'

END PROJECT
STA 1310+68.73

SIGN

MATCH LINE STA 1306+00.00

1307+00

1308+00

1309+00

1310+00

1311+00

1312+00

USH 63

ASPH

ASPH

ASPH

36" CMP

12'

GRAV

1080

1075

1075

1080

LEGEND

- EROSION MAT URBAN CLASS I TYPE A
- EROSION MAT CLASS I TYPE B
- RIPRAP LIGHT WITH GEOTEXTILE TYPE R
- RIPRAP HEAVY WITH GEOTEXTILE TYPE HR
- CULVERT PIPE CHECKS
- TEMPORARY DITCH CHECKS
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION TYPE A, C OR D
- SURFACE WATER FLOW

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	EROSION CONTROL	SHEET 101	E

LINN STREET

KWIK TRIP

STH 70

USH 63

1258+00 1260+00 1262+00 1264+00

1B STA 1258+67, 53.5' LT
INLETS 2x3-H-S

1A STA 1259+05, 51.6' LT
CATCH BASINS 4-H-S

P-1B CAUTION P-1 P-1A

1C STA 1258+28, 47.5' LT
APRON ENDWALLS FOR CPRCHE 38x60-INCH

1 STA 1259+01, 13.8' LT
MANHOLES 8-J

STA 1259+30, 23.5' RT
1-RECONSTRUCTING INLETS

P-2

2C STA 1262+27, 76.4' LT
INLETS 2x3-H

2B STA 1262+22, 53.6' LT
INLETS 2x3-H

2A STA 1262+11, 41.3' LT
CATCH BASINS 2x3-H

2 STA 1262+08, 14.2' LT
MANHOLES 8-J

P-2B P-2A P-2D

2D STA 1262+08, 34.3' RT
CATCH BASINS 2x3-H

P-3

3D STA 1262+81, 75.0' LT
INLETS 2x3-H

3C STA 1262+86, 54.3' LT
INLETS 2x3-H-S

3B STA 1262+98, 33.1' LT
INLETS 2x3-H

3A STA 1263+18, 24.0' LT
CATCH BASINS 2x3-H

P-3D P-3C P-3B P-3A P-3E P-3F P-3G

3 STA 1263+17, 12.9' LT
MANHOLES 8-J

3E STA 1263+16, 32.2' RT
CATCH BASINS 2x3-H

3F STA 1262+90, 42.2' RT
INLETS 2x3-H

3G STA 1262+78, 59.1' RT
INLETS 2x3-H

P-4

4A STA 1264+25, 23.5' LT
CATCH BASINS 2x3-H

4 STA 1264+25, 13.0' LT
MANHOLES 8-J

P-4A P-4B P-5

4B STA 1264+28, 23.5' RT
CATCH BASINS 2x3-H

STA 1265+85,
MANHOLES 8-

TOURIST INFORMATION CENTER

COLDWELL BANKER REALTY

MC DONALDS

APPROXIMATE PROFILE AT STRUCTURE

1
RIM ELEV = 1079.81
SUMP ELEV = 1073.55

2
RIM ELEV = 1090.38
SUMP ELEV = 1075.37

3
RIM ELEV = 1093.27
SUMP ELEV = 1075.52

4
RIM ELEV = 1094.91
SUMP ELEV = 1075.82

P-1
SSPRCHE CLASS HE-III 38X60-INCH
LENGTH: 81 FT
INV UP: 1073.55
INV DN: 1073.20
SLOPE: 0.43%

P-2
SSPRC CLASS IV 48-INCH
LENGTH: 307 FT
INV UP: 1075.37
INV DN: 1073.55
SLOPE: 0.59%

P-3
SSPRC CLASS III 48-INCH
LENGTH: 108 FT
INV UP: 1075.52
INV DN: 1075.37
SLOPE: 0.14%

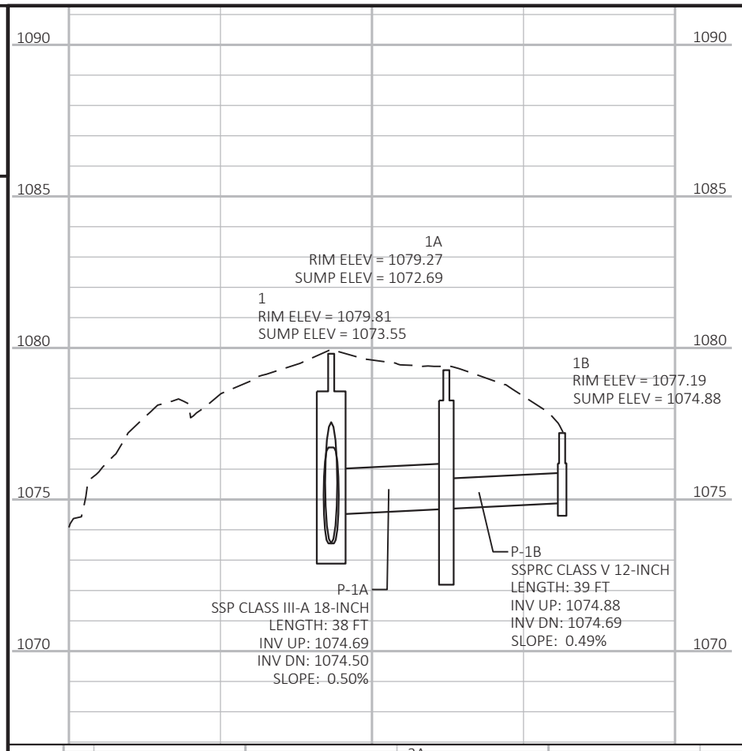
P-4
SSPRC CLASS IV 48-INCH
LENGTH: 108 FT
INV UP: 1075.82
INV DN: 1075.52
SLOPE: 0.28%

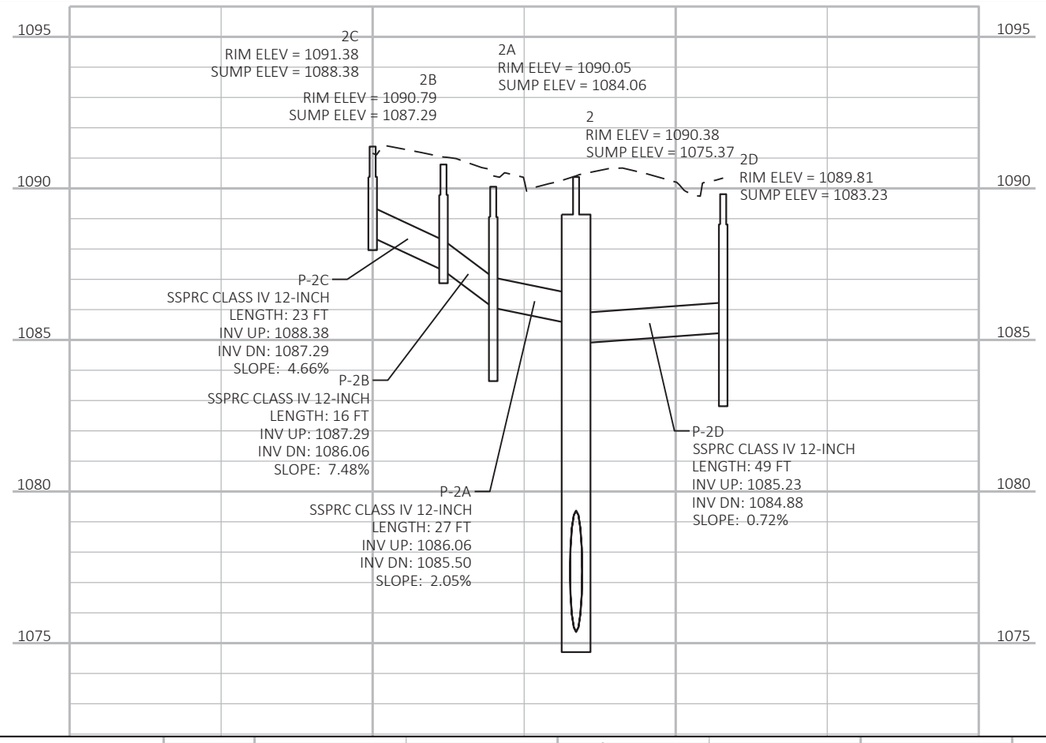
P-5
SSPRC CLASS IV 48-INCH
LENGTH: 162 FT
INV UP: 1076.12
INV DN: 1075.82
SLOPE: 0.19%

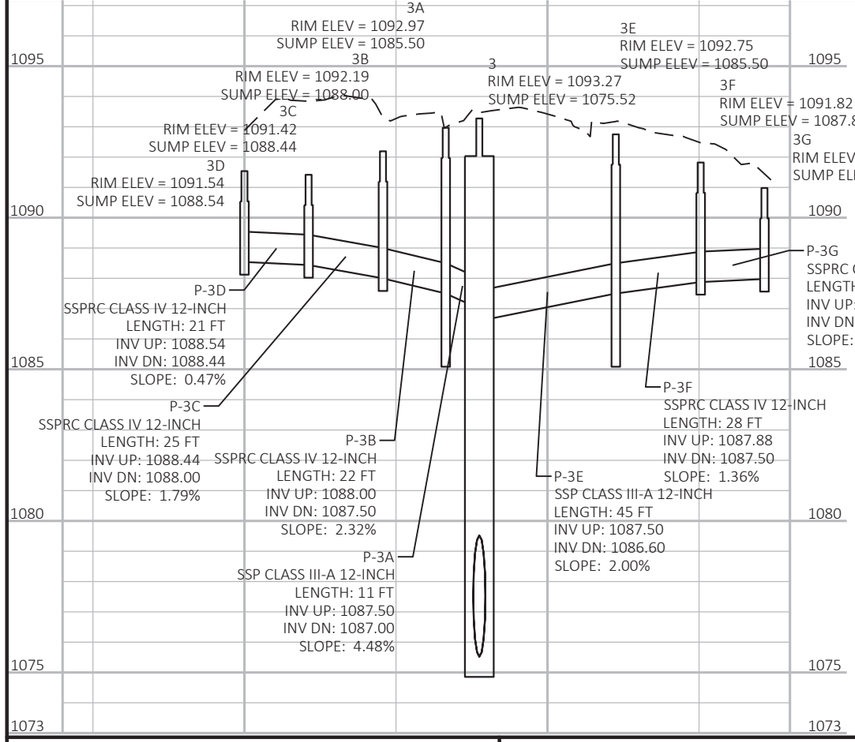
1095 1090 1085 1080 1075 1072

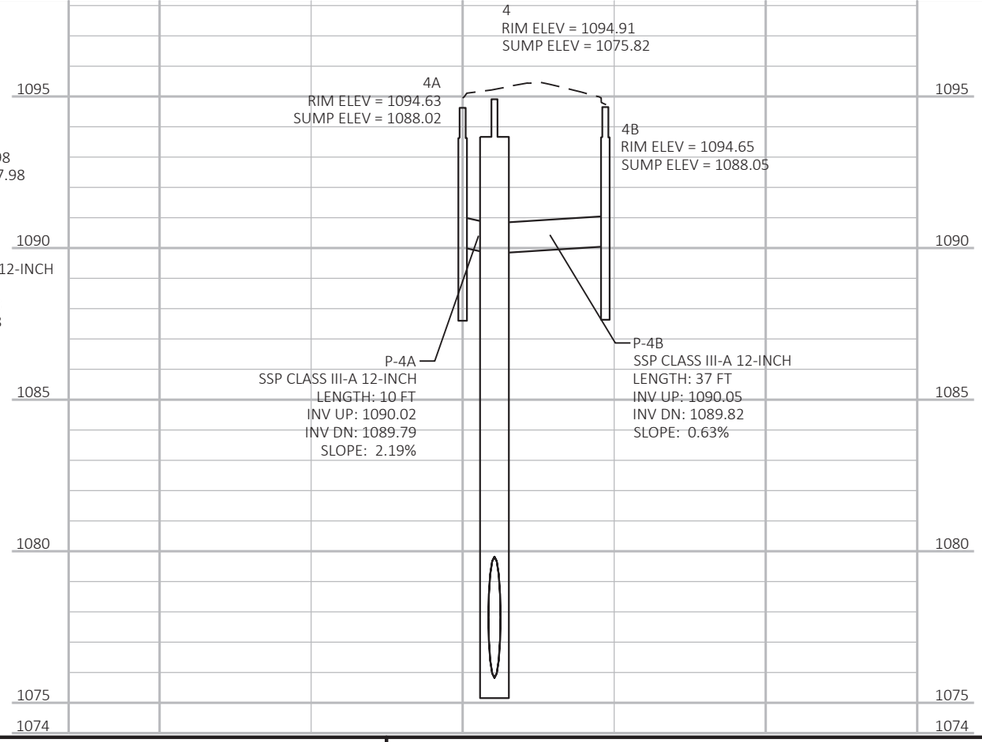
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	STORM SEWER	SHEET 102	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\022501 SS.DWG
LAYOUT NAME - 022501
PLOT DATE : 8/24/2021 2:39 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 41

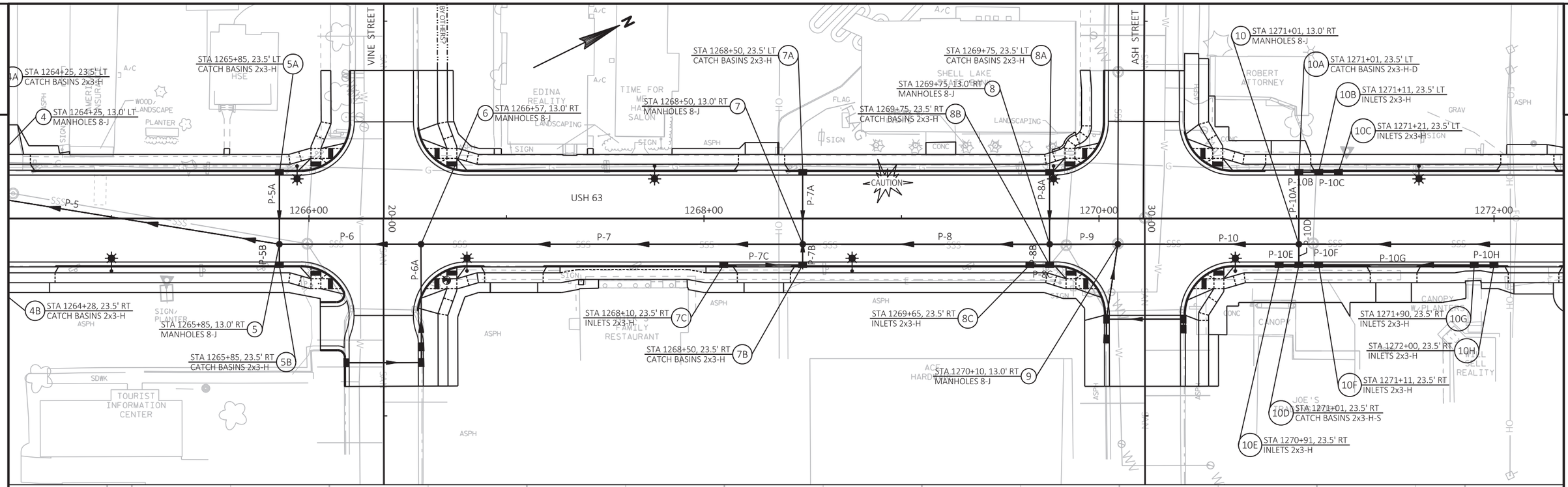


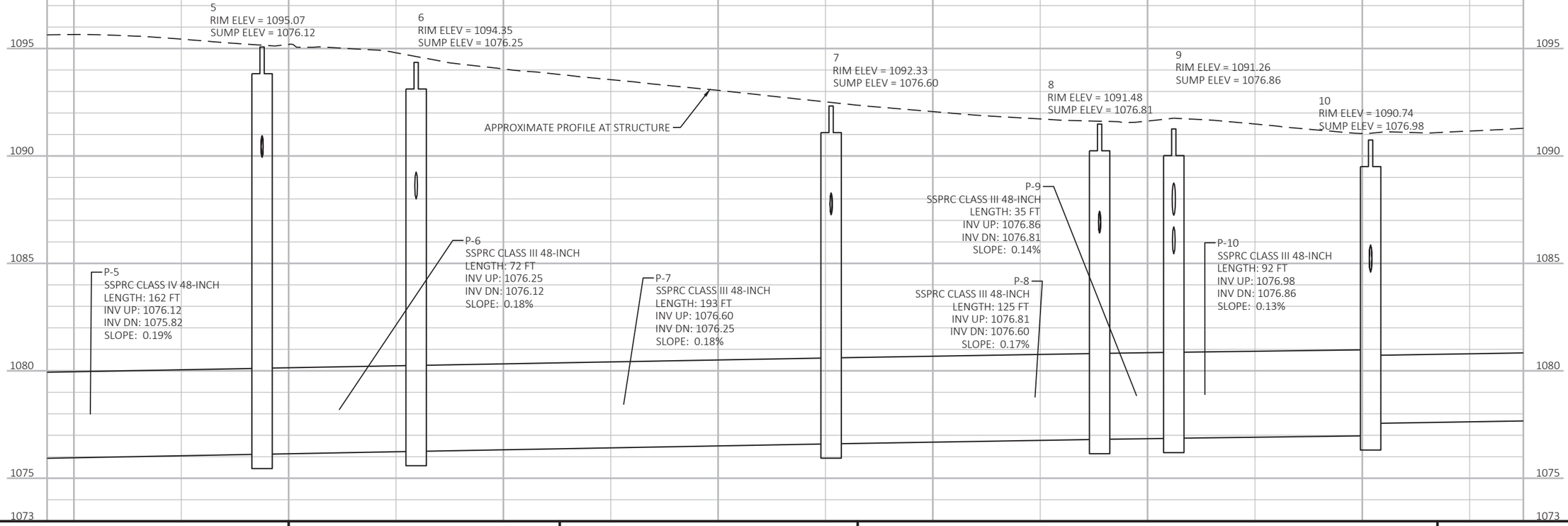




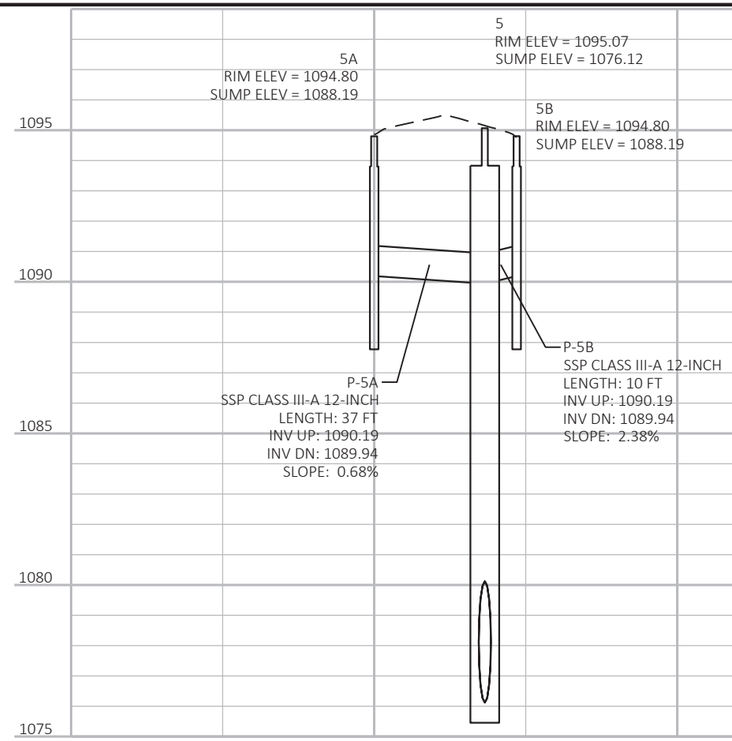


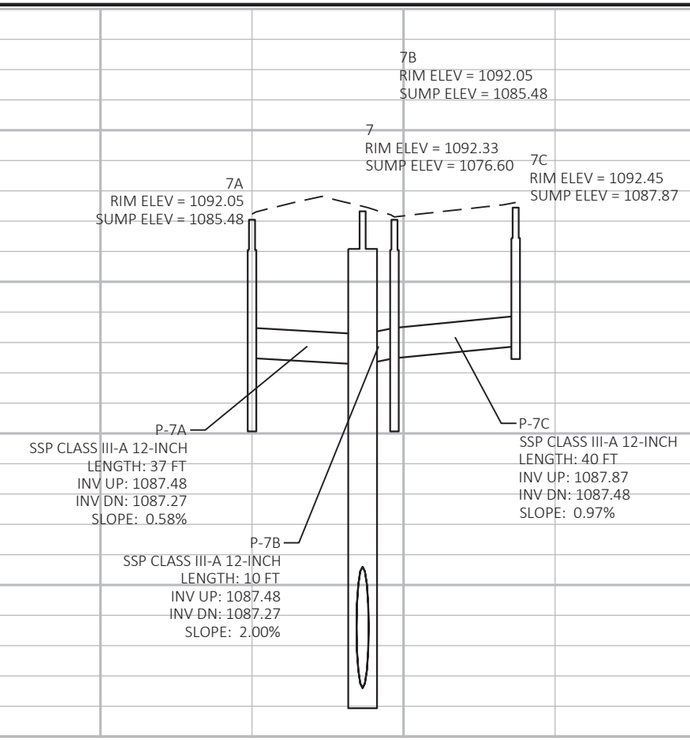
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	STORM SEWER	SHEET 103	E

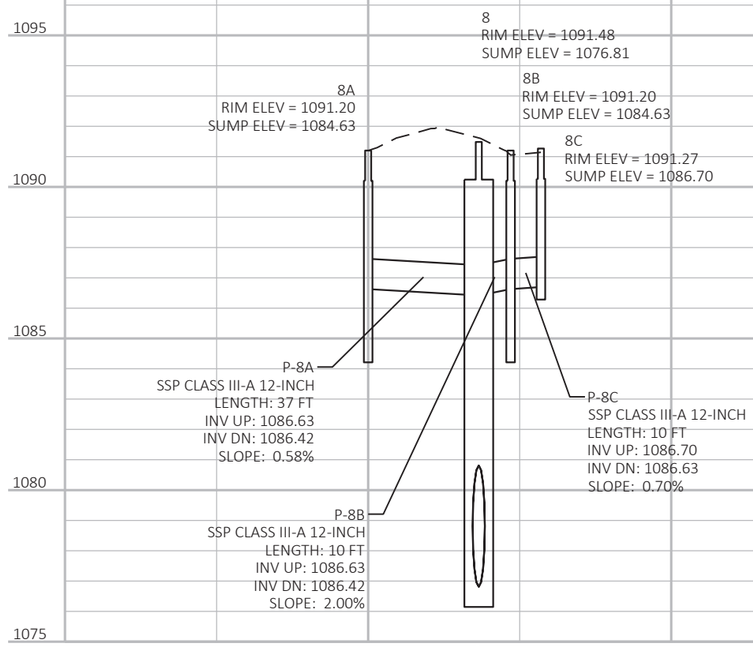


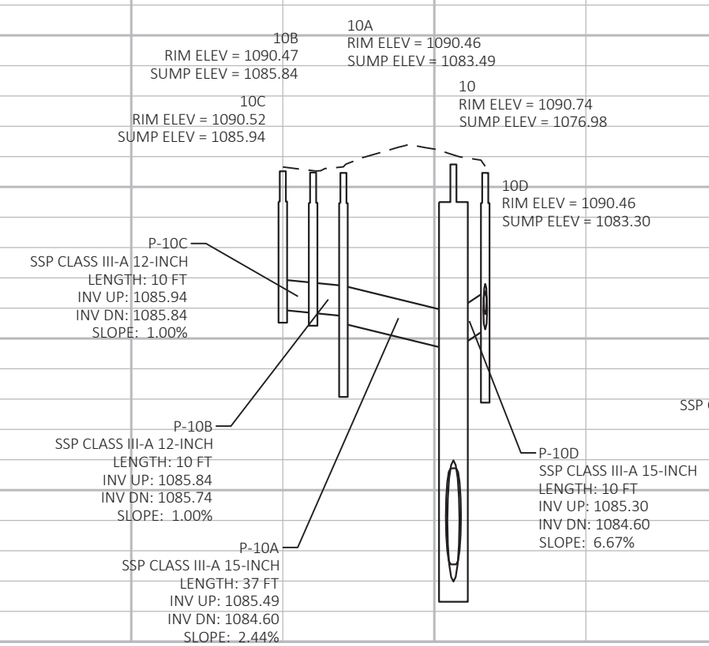


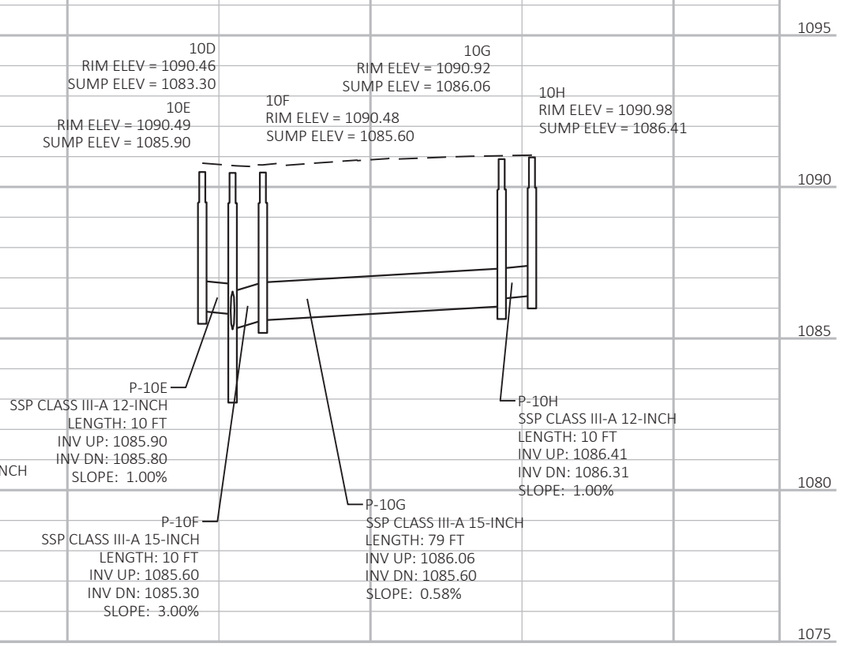
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	STORM SEWER	SHEET 104 E



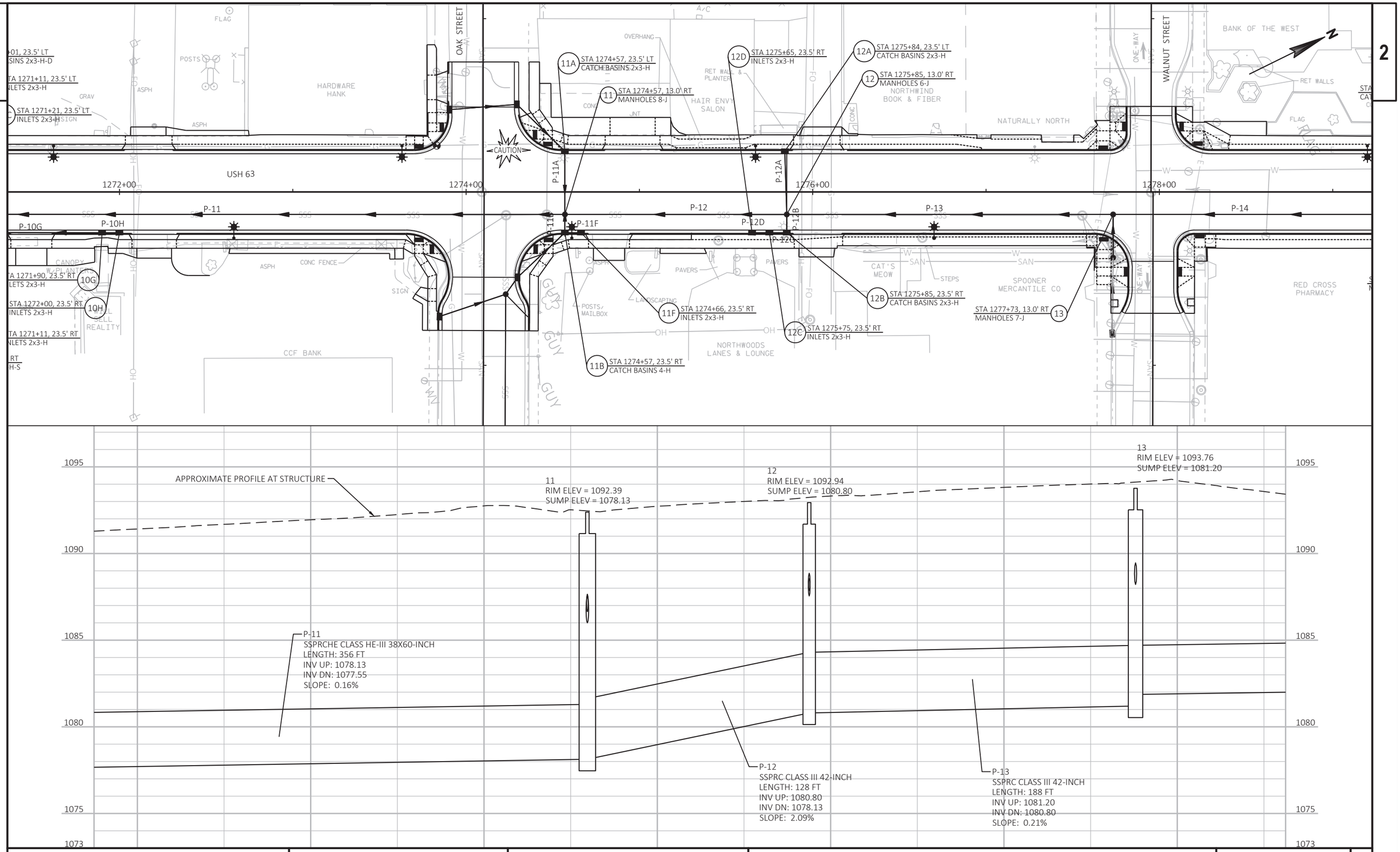




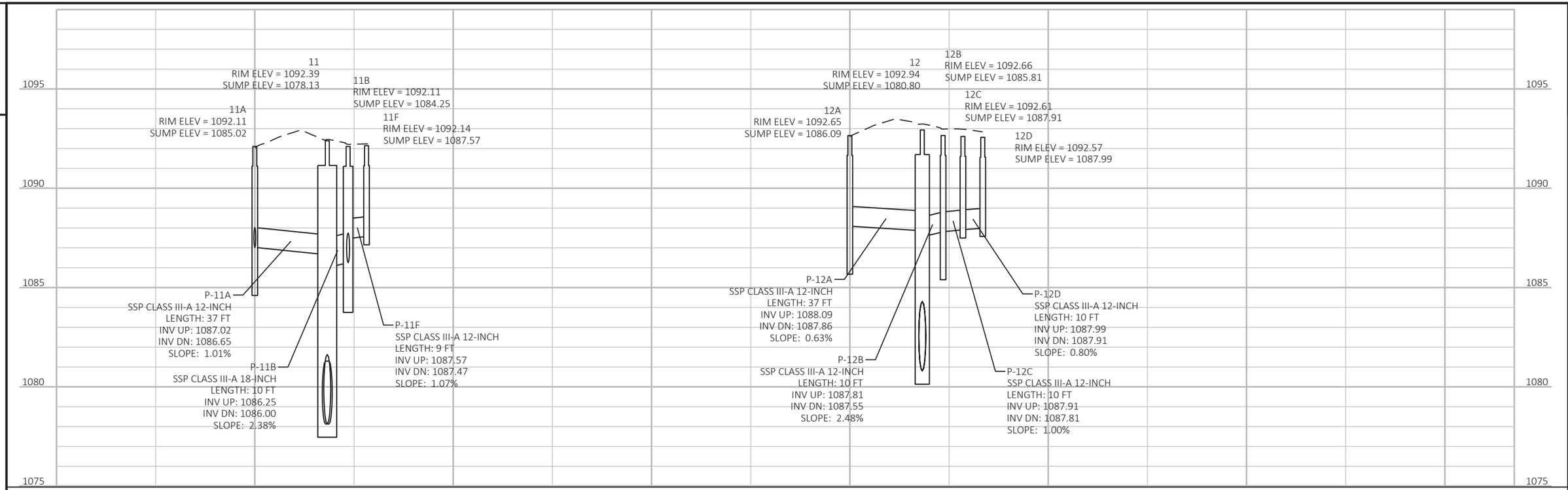




PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	STORM SEWER	SHEET 105	E



PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	STORM SEWER	SHEET 106 E

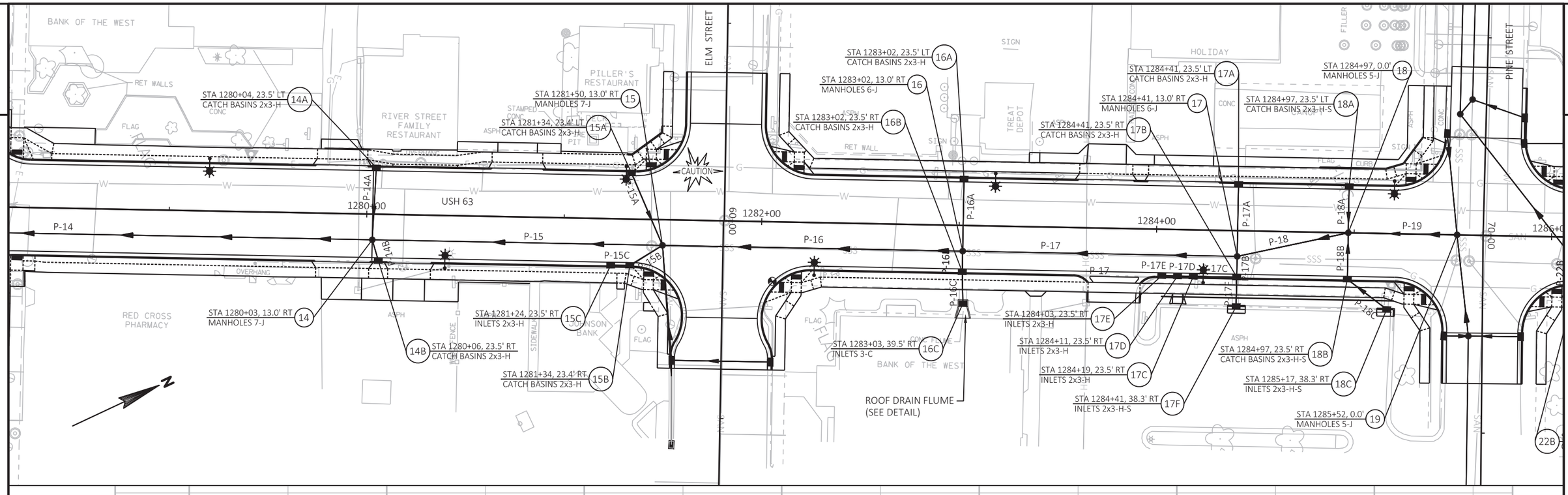


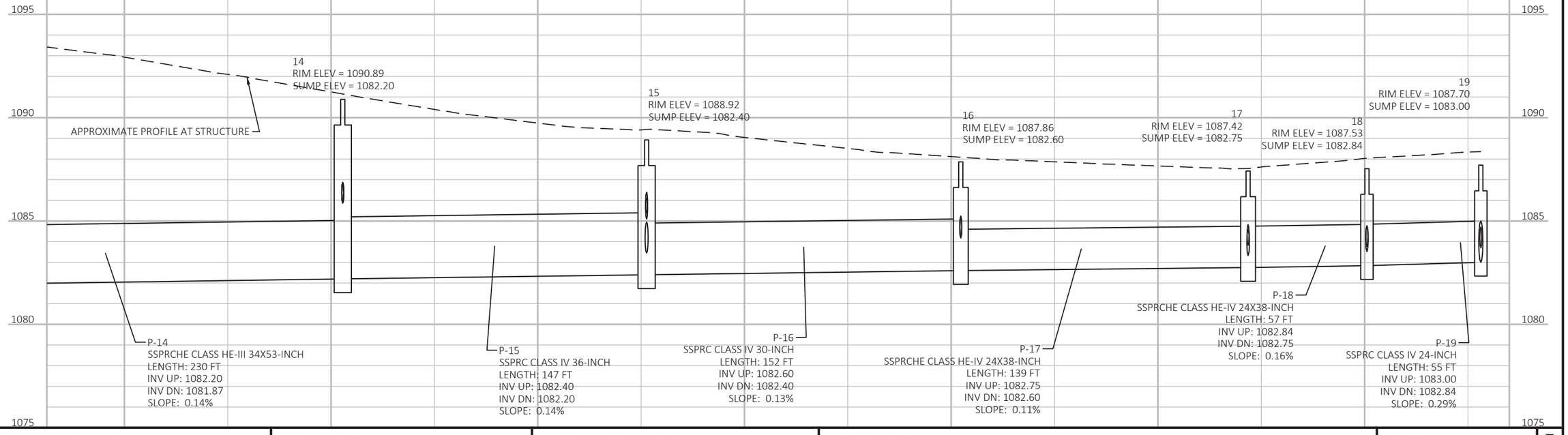
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	STORM SEWER	SHEET 107	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\022501 SS.DWG
LAYOUT NAME - 022503a

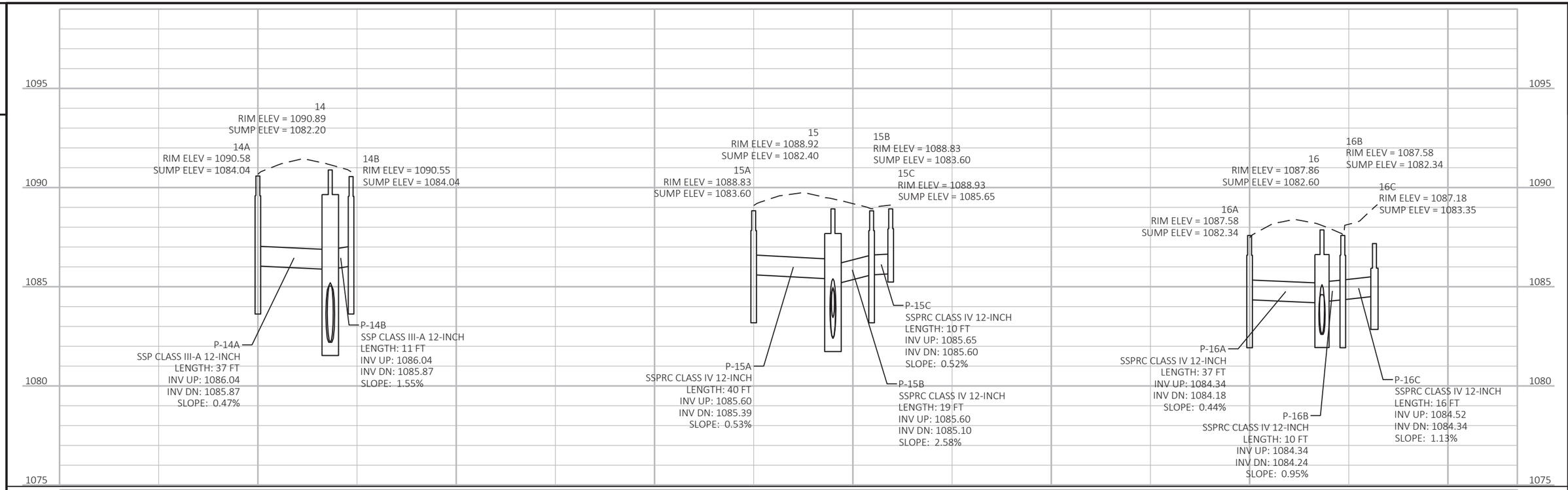
PLOT DATE : 7/28/2021 8:24 AM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 41



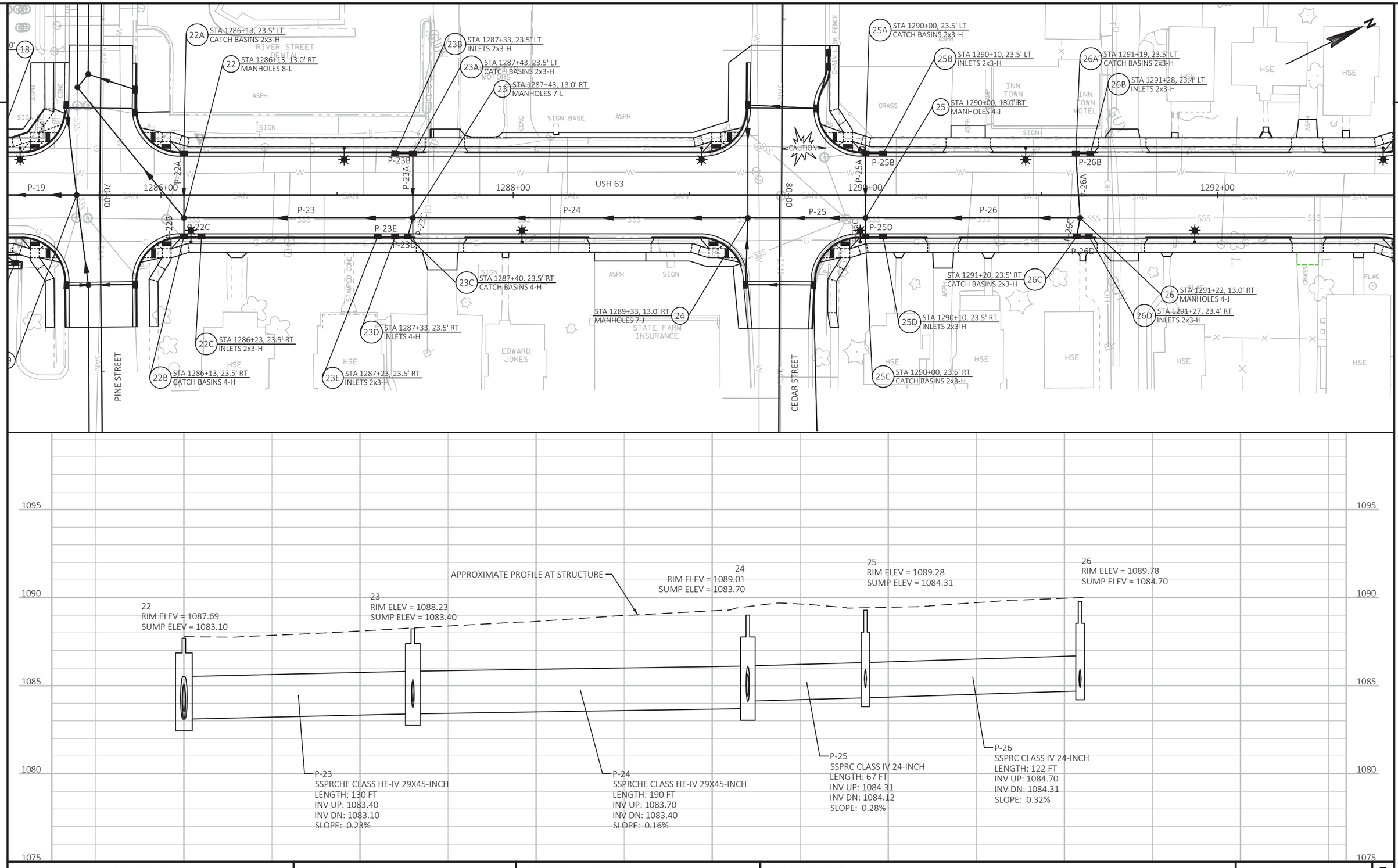


PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	STORM SEWER	SHEET 108 E



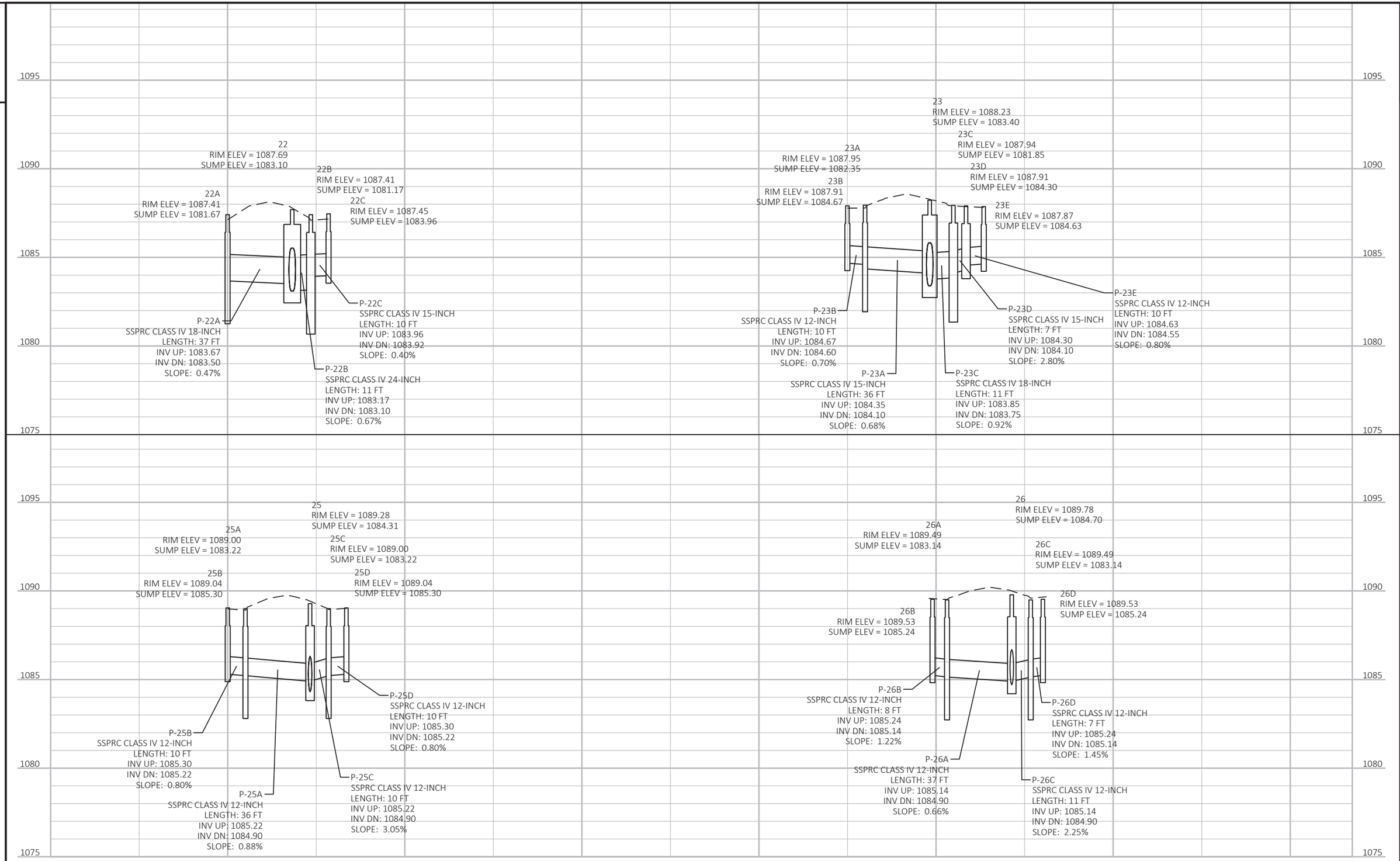
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	STORM SEWER	SHEET 109 E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\022501 SS.DWG
LAYOUT NAME - 022504a
PLOT DATE : 7/28/2021 8:27 AM
PLOT BY : ANNIE JEROME
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 41



PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	STORM SEWER	SHEET 110 E

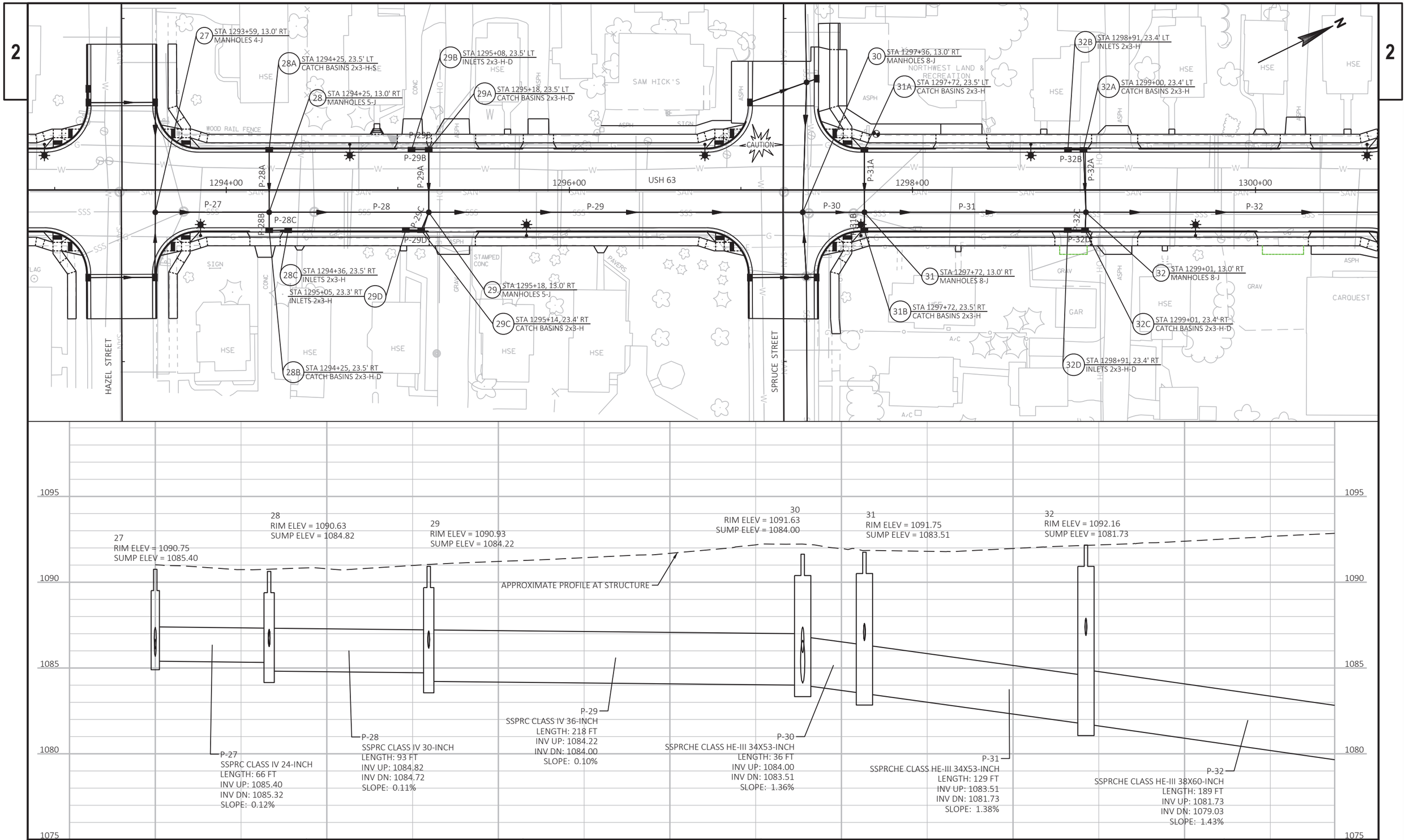
FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\022501 SS.DWG
LAYOUT NAME - 022505
PLOT DATE : 7/28/2021 8:28 AM
PLOT BY : ANNIE JEROME
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 41



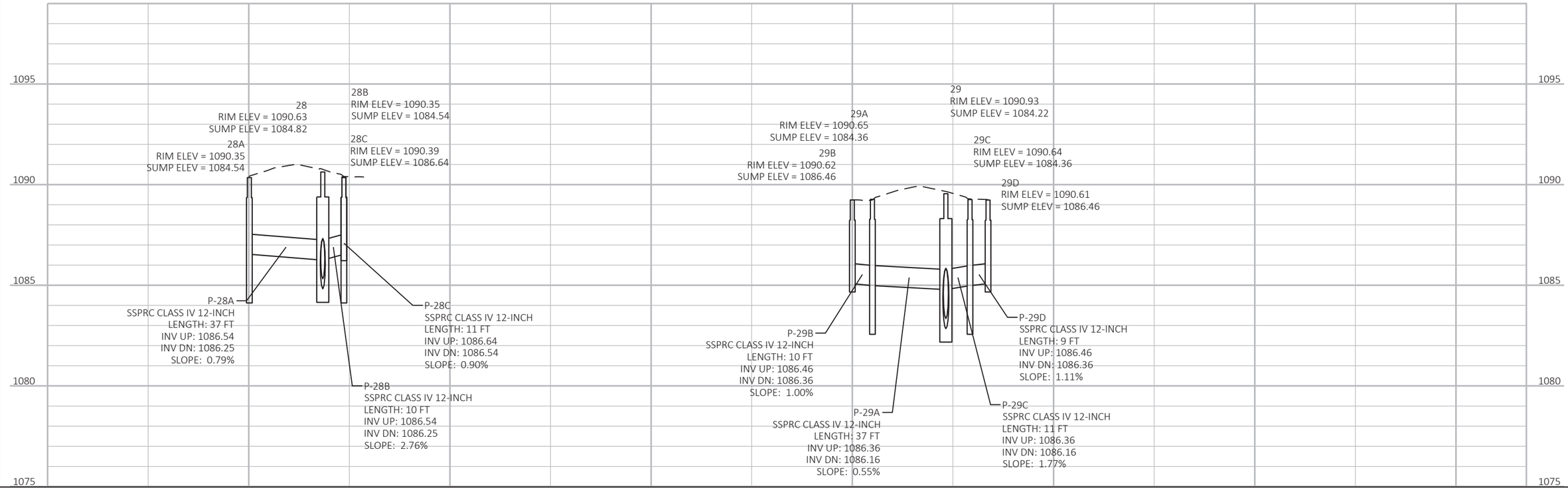
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	STORM SEWER	SHEET 111 E

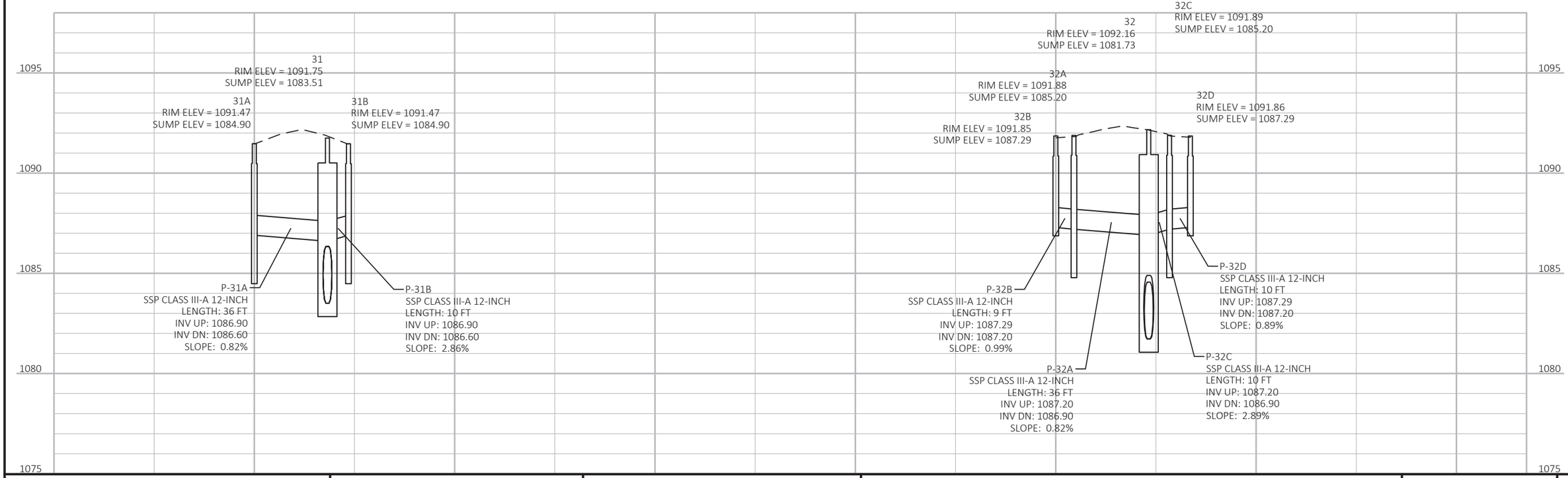
FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\022501 SS.DWG
LAYOUT NAME - 022505a

PLOT DATE : 7/28/2021 8:29 AM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:50 FT

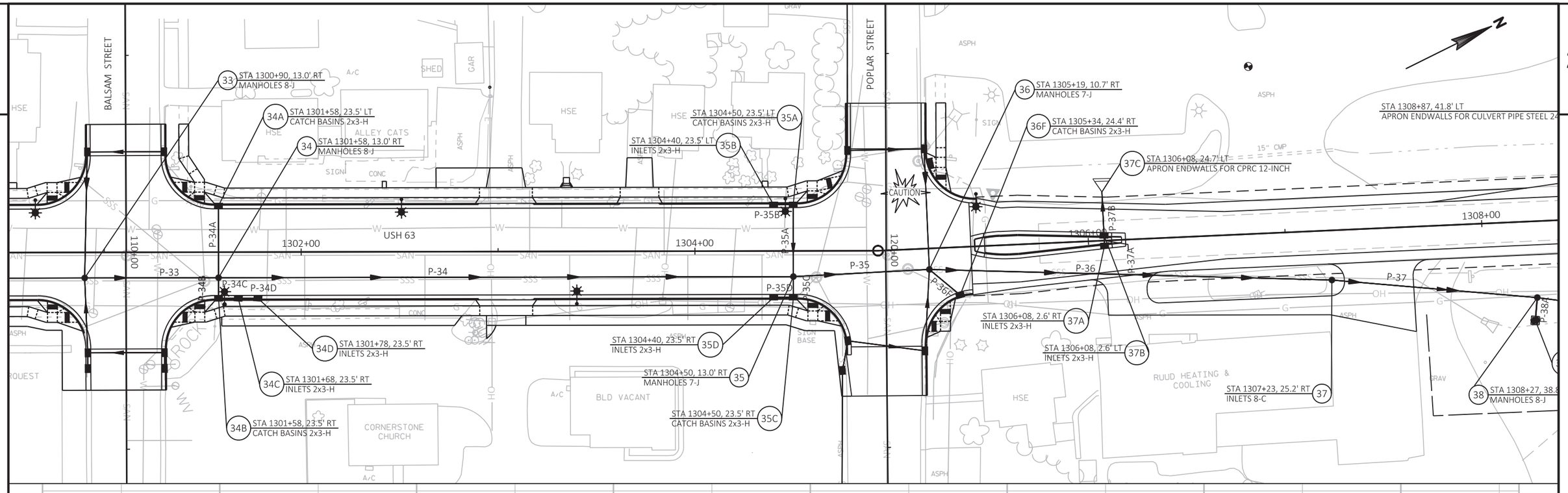


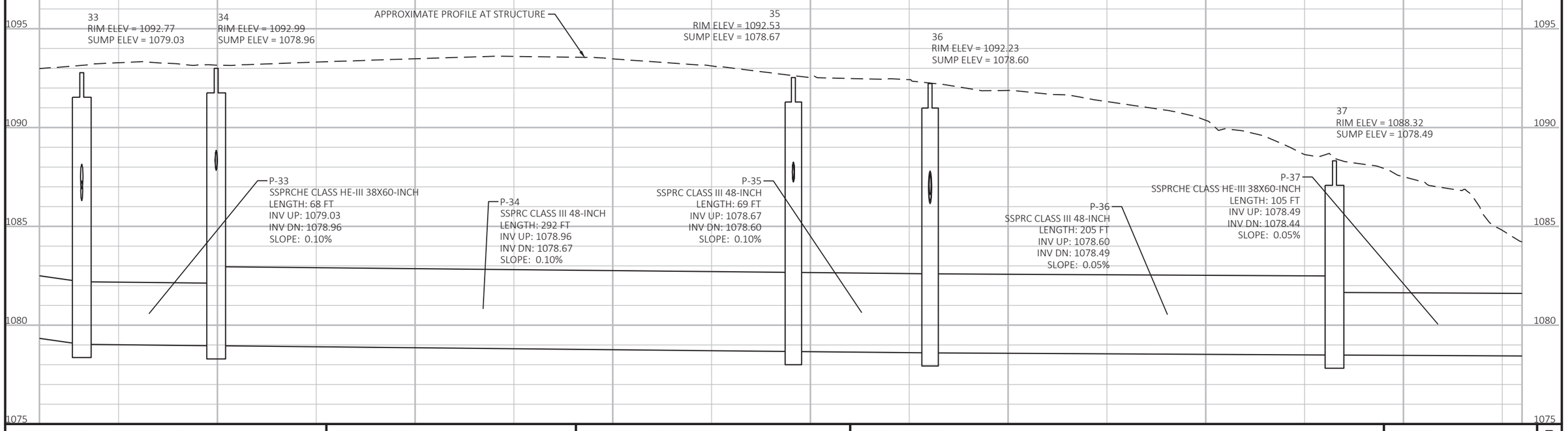
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	STORM SEWER	SHEET 112 E



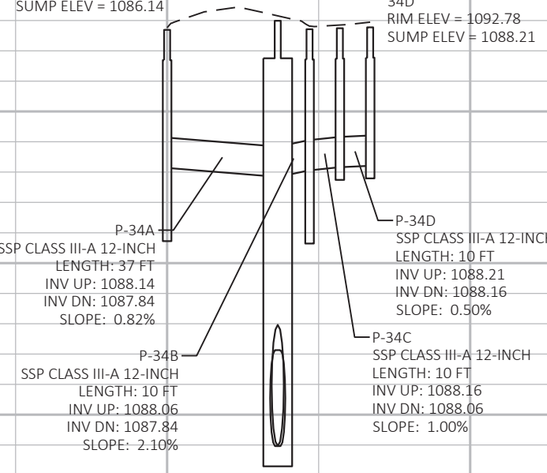


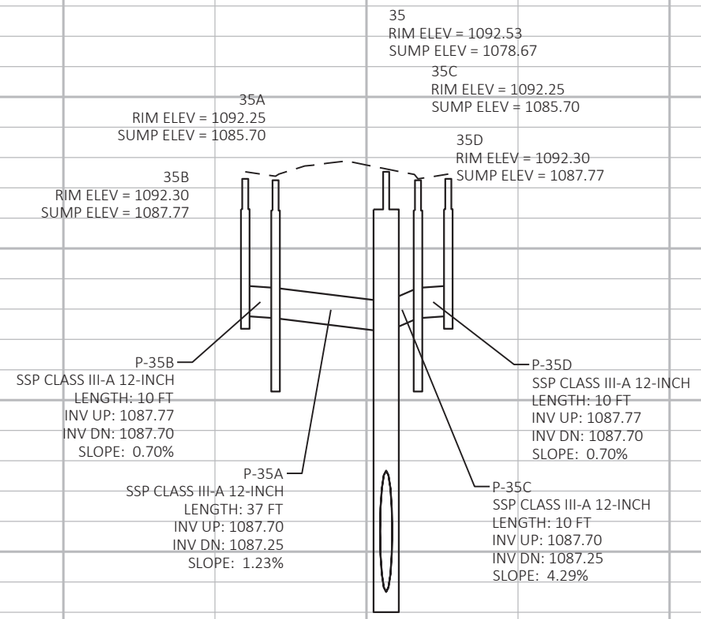
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	STORM SEWER	SHEET 113	E

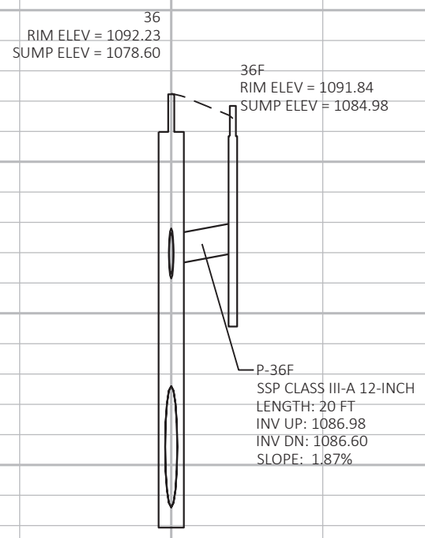


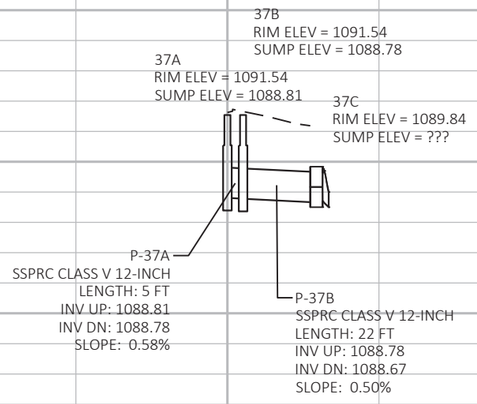


PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	STORM SEWER	SHEET 114 E

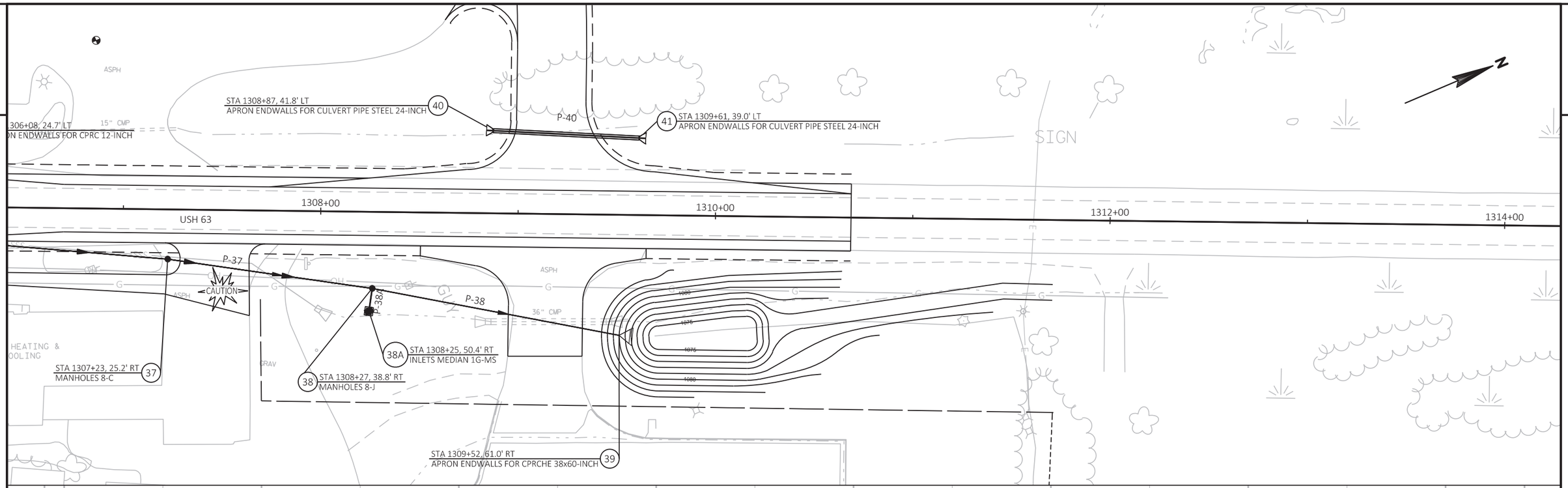


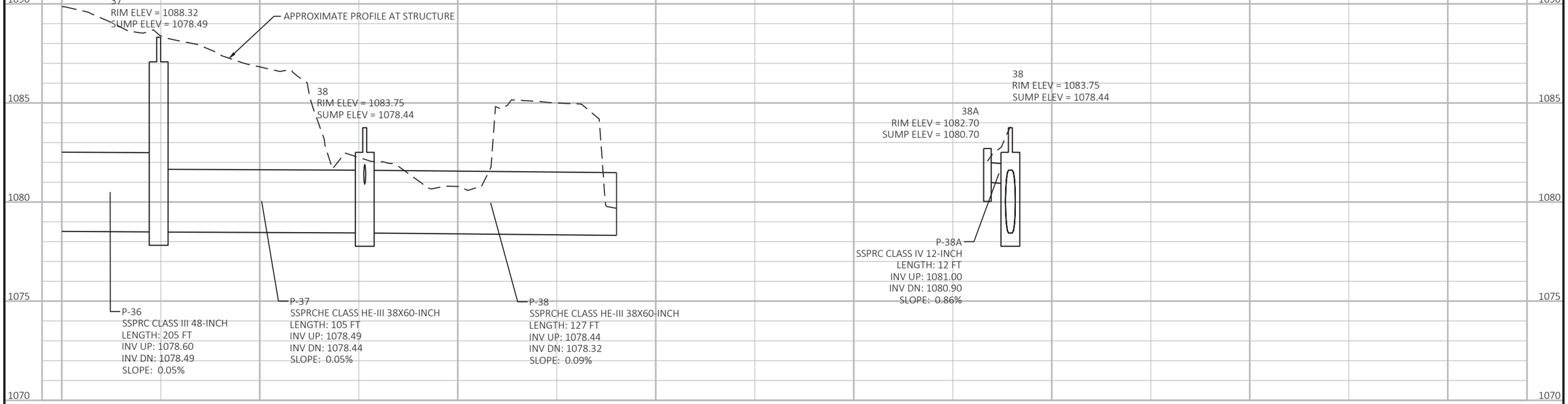






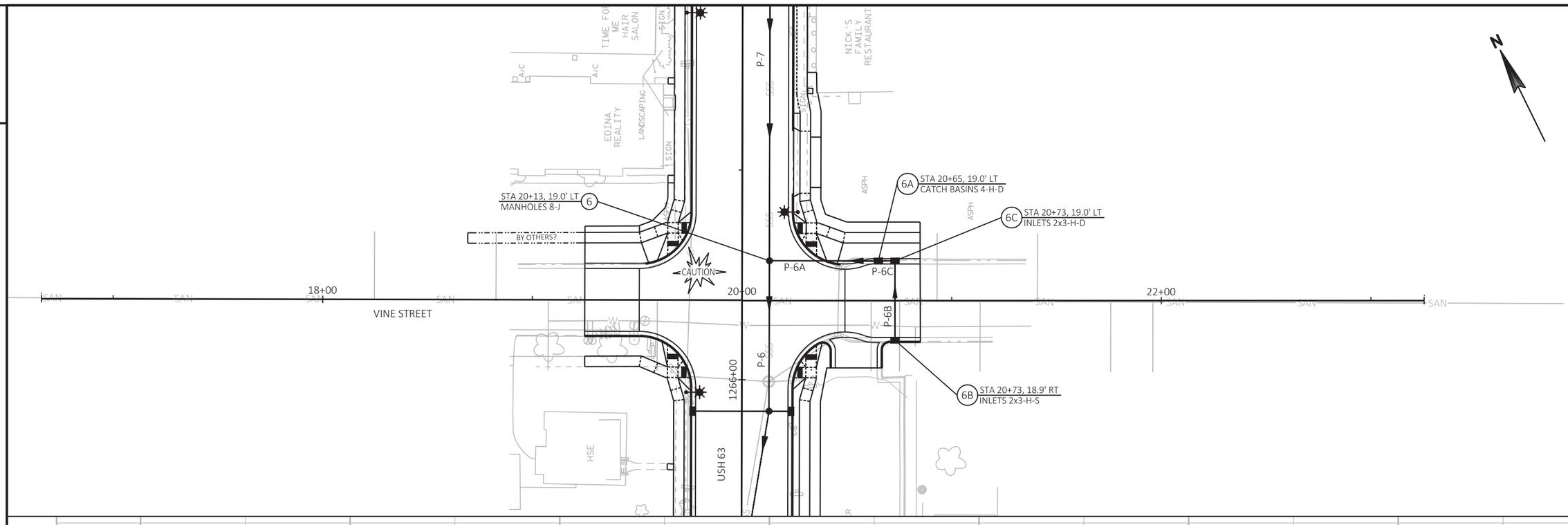
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	STORM SEWER	SHEET 115 E

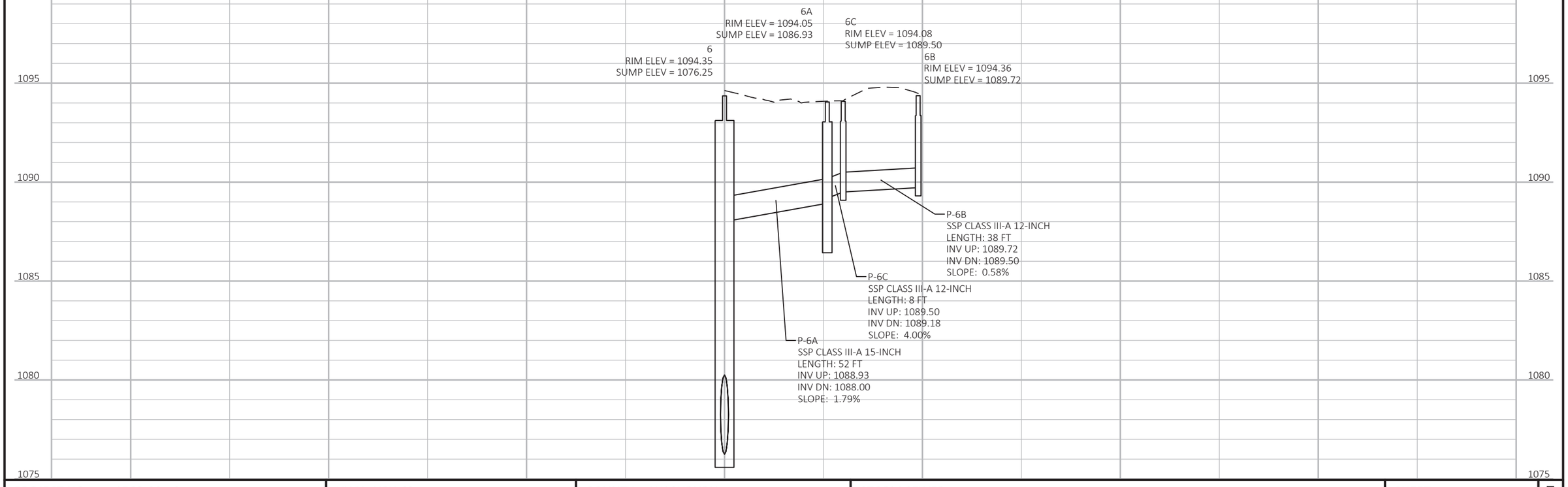




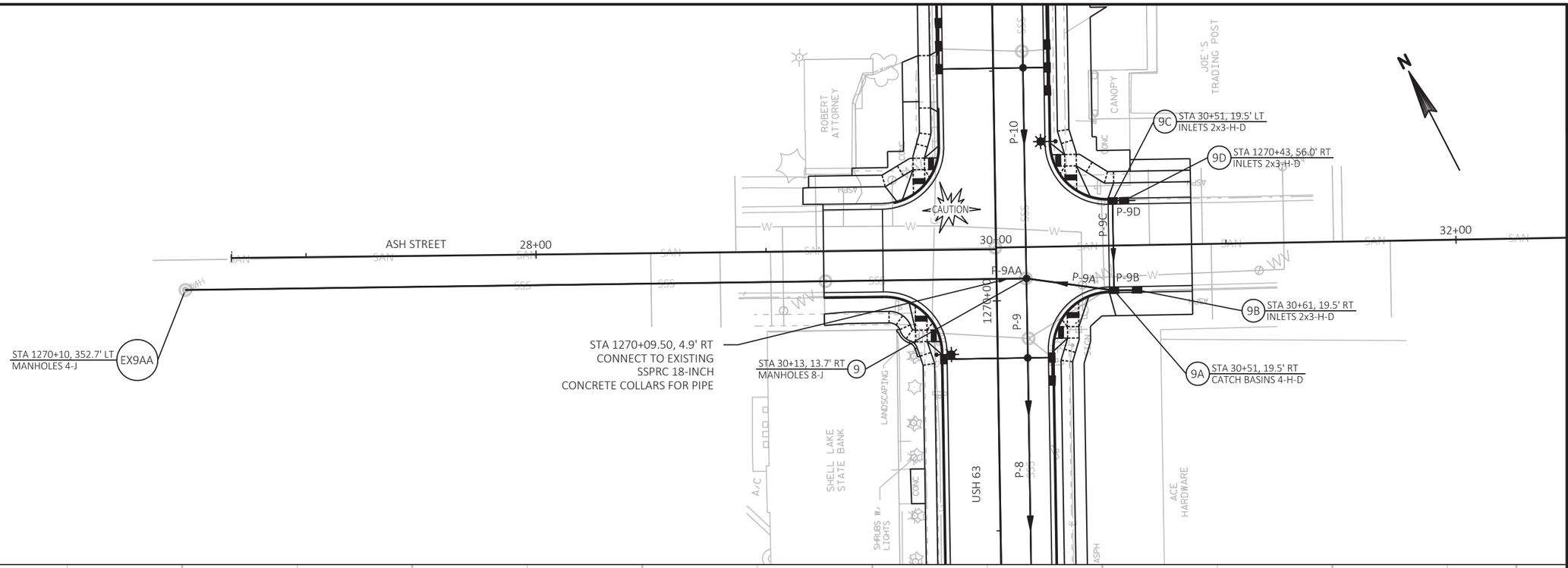
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	STORM SEWER	SHEET 116	E

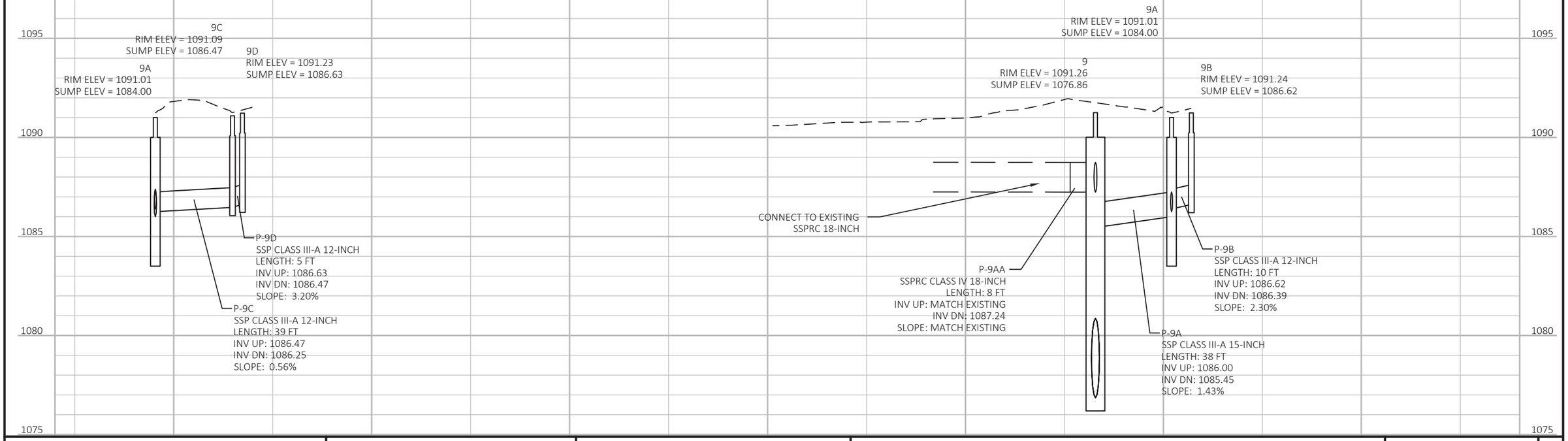
2



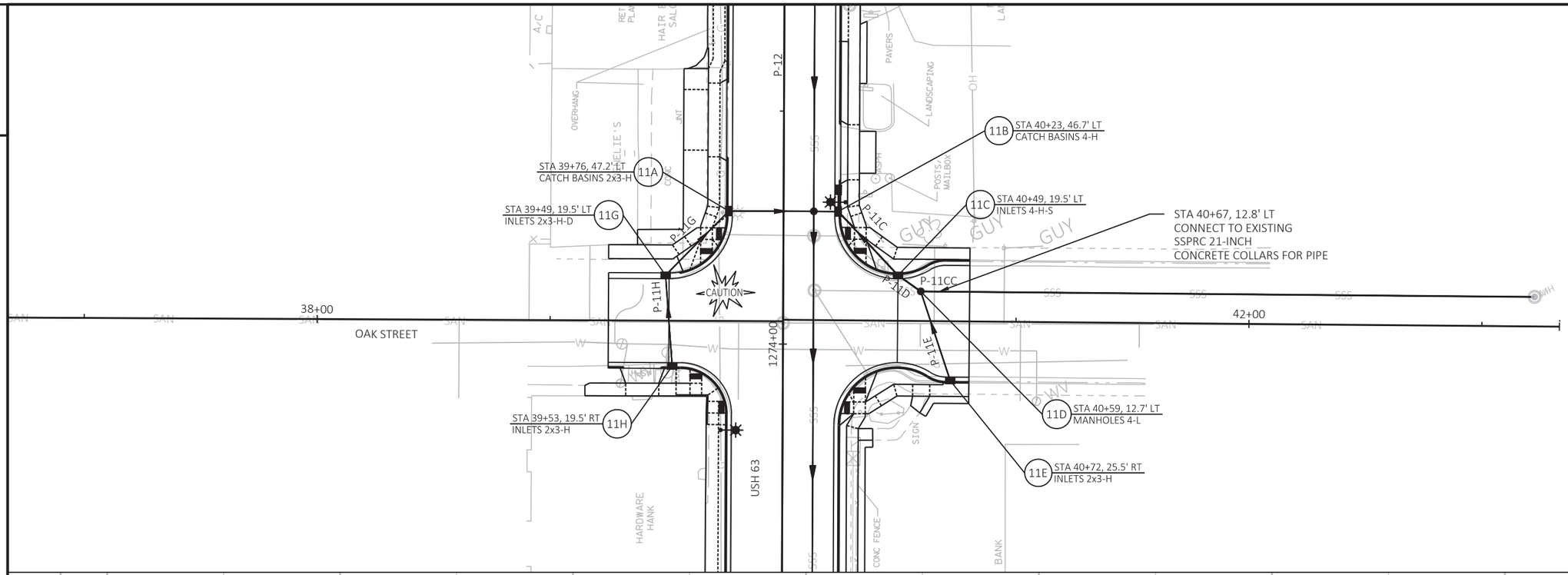


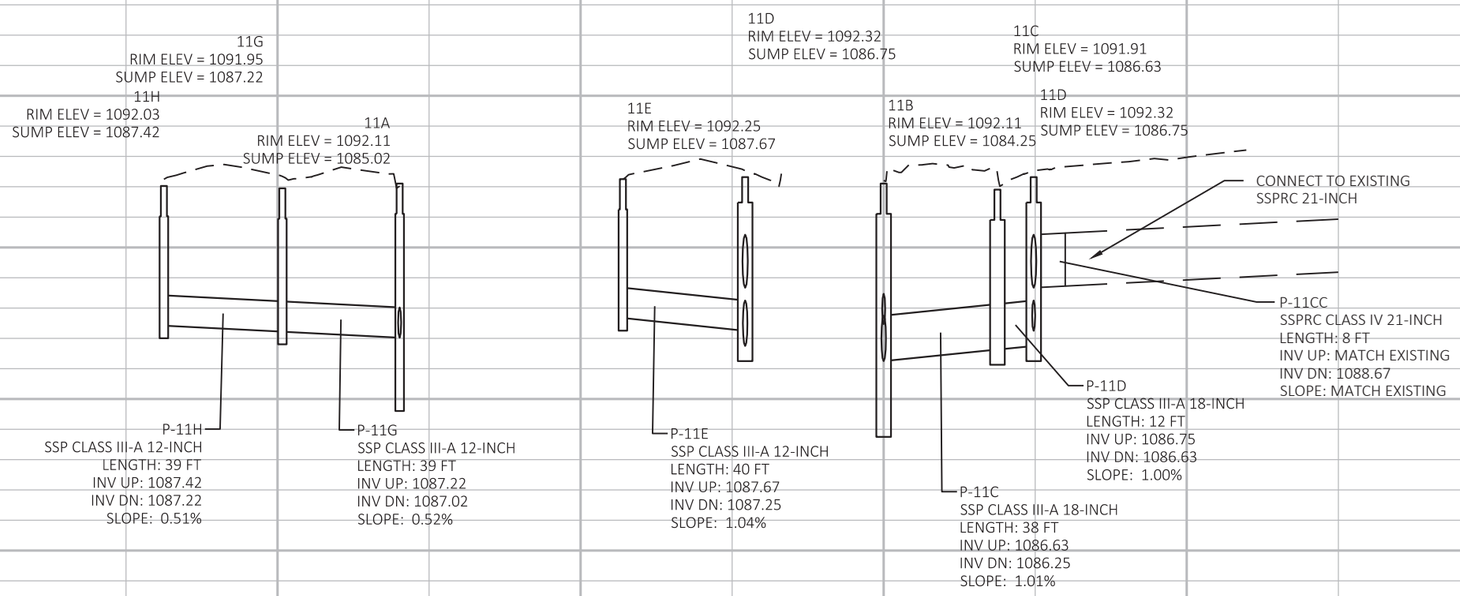
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	STORM SEWER	SHEET 117 E





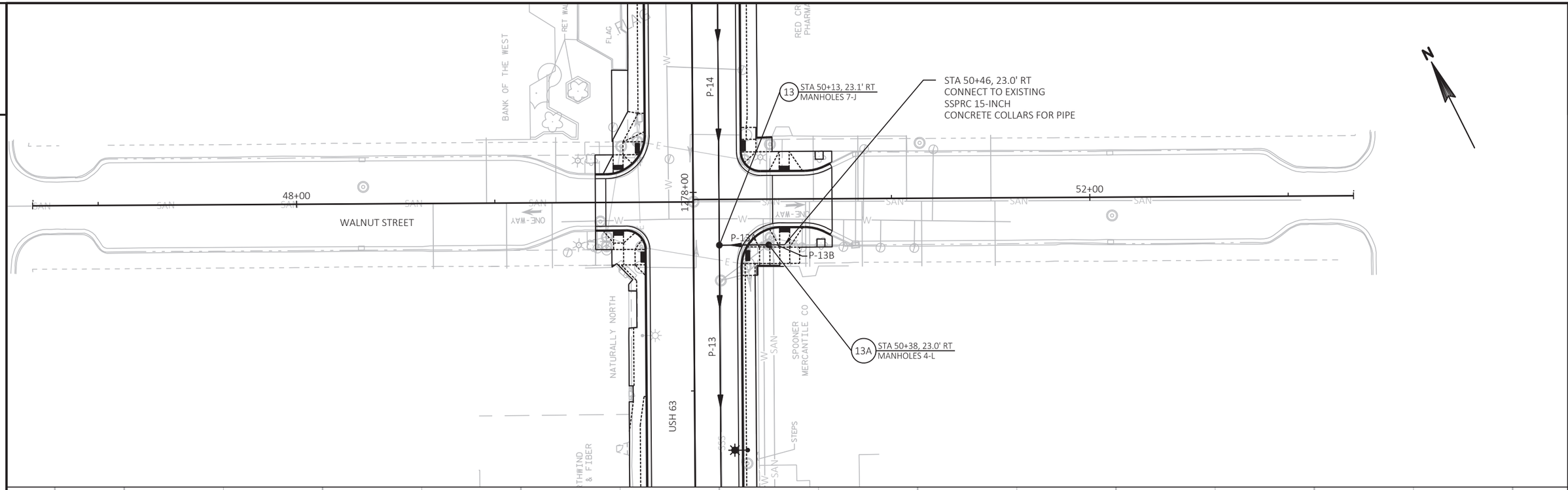
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	STORM SEWER	SHEET 118 E

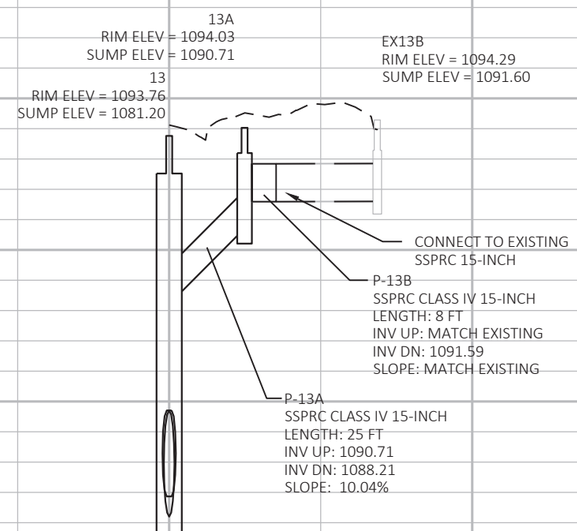




PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	STORM SEWER	SHEET 119 E

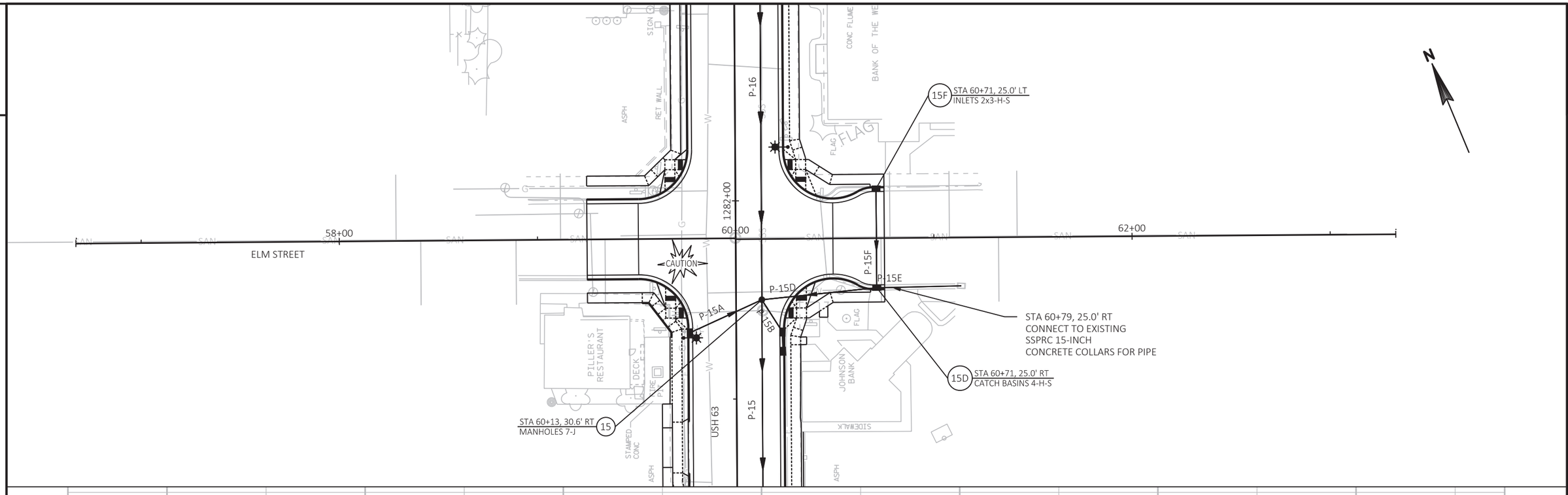
2

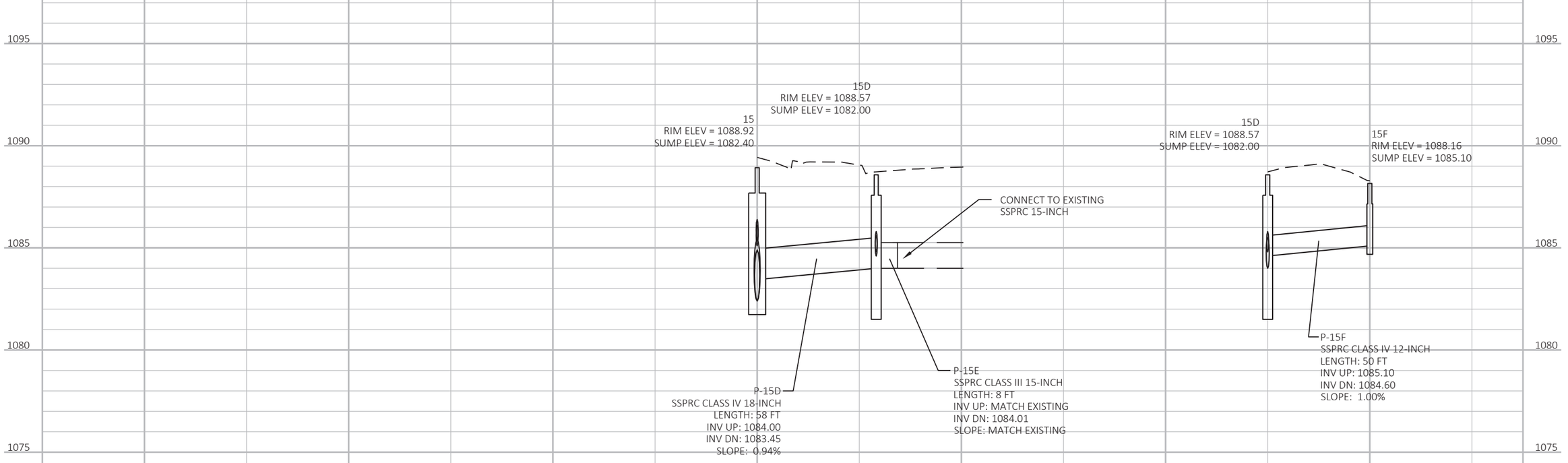




PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	STORM SEWER	SHEET 120	E

2

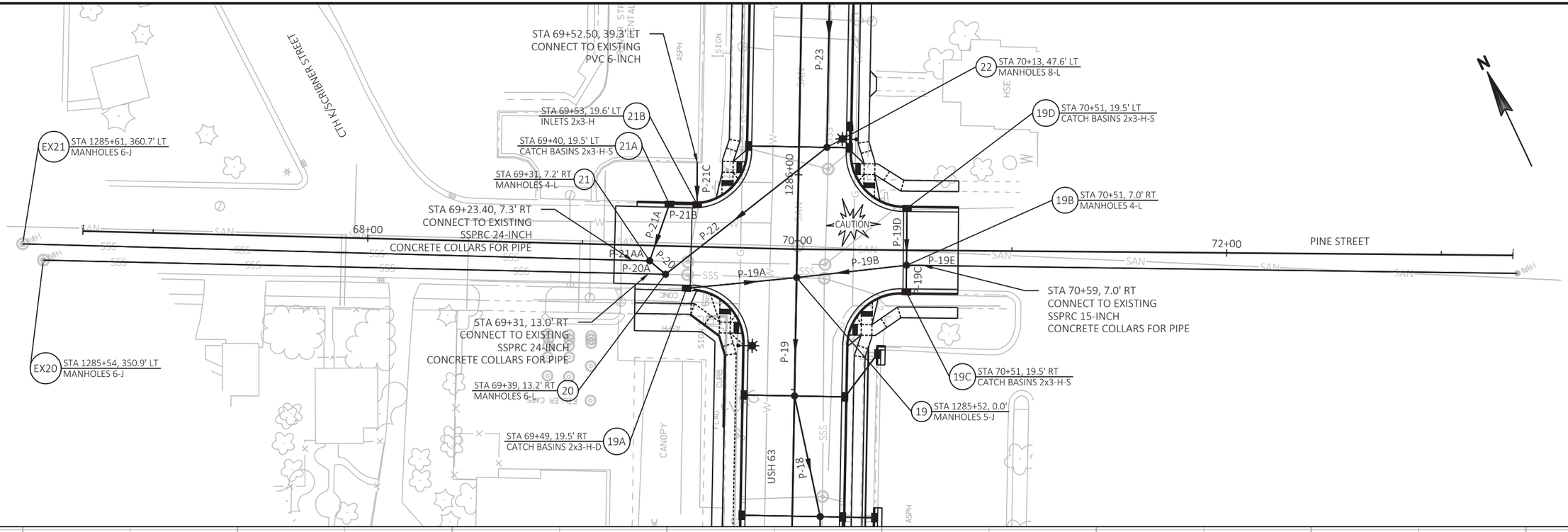


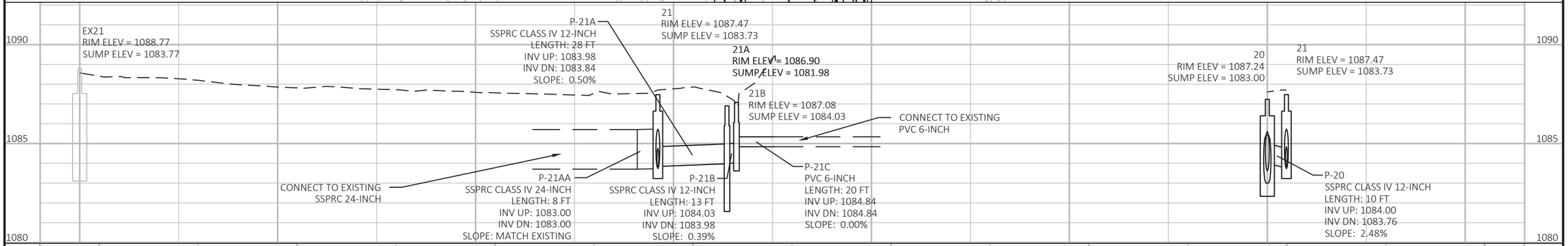


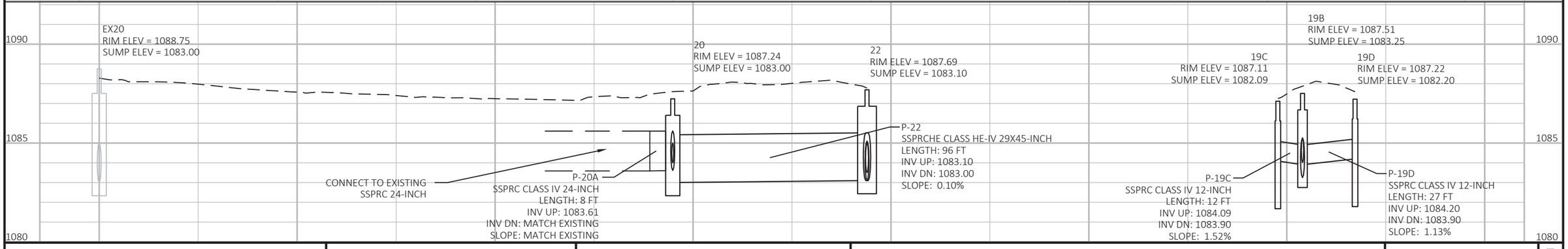
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	STORM SEWER	SHEET E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\022502 SS.DWG
LAYOUT NAME - 022512

PLOT DATE : 7/28/2021 8:42 AM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:50 FT

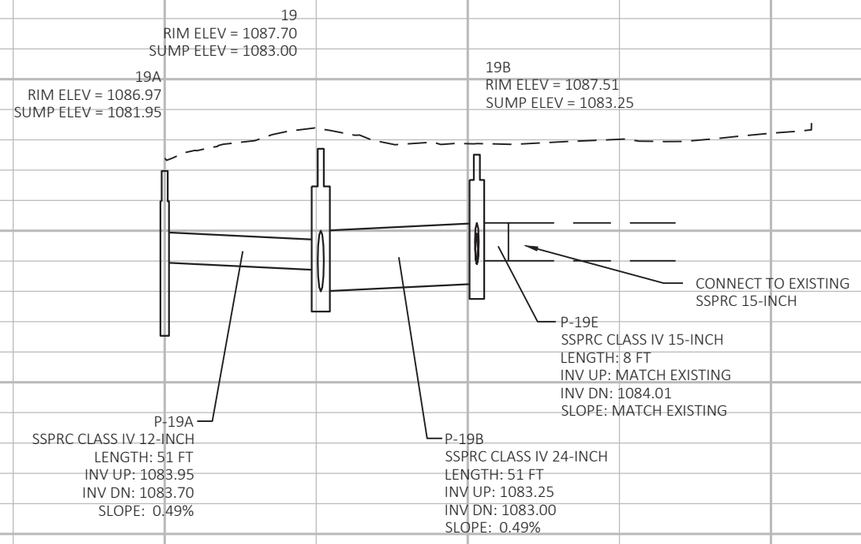






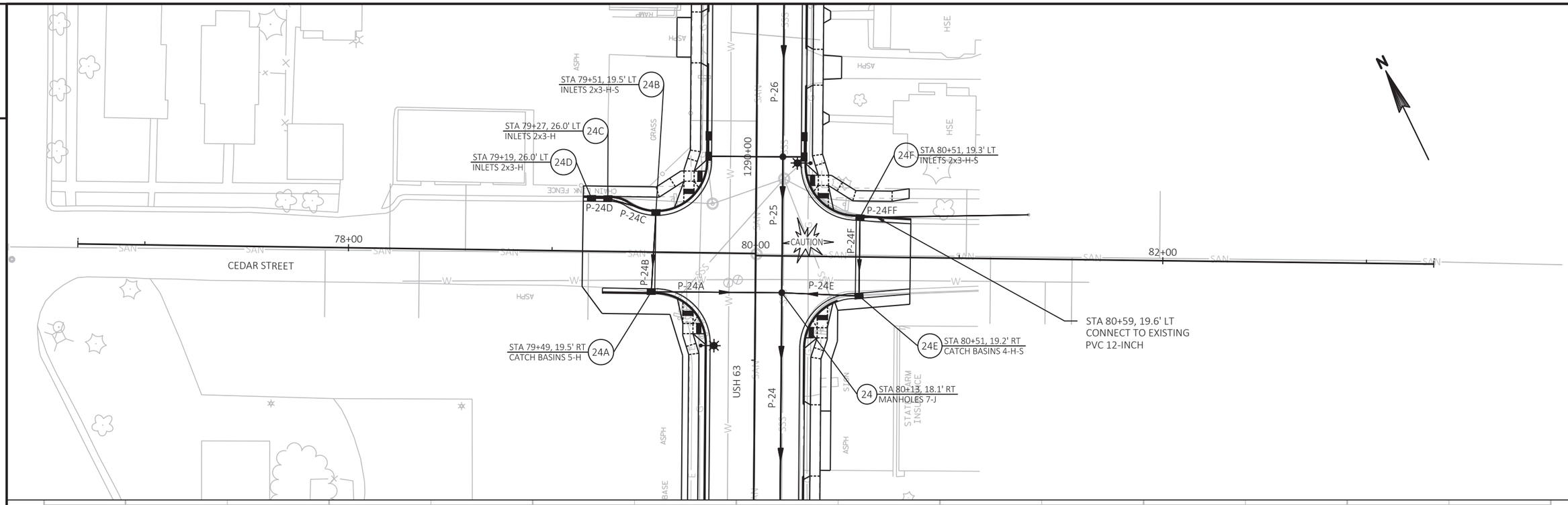
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	STORM SEWER	SHEET 122	E

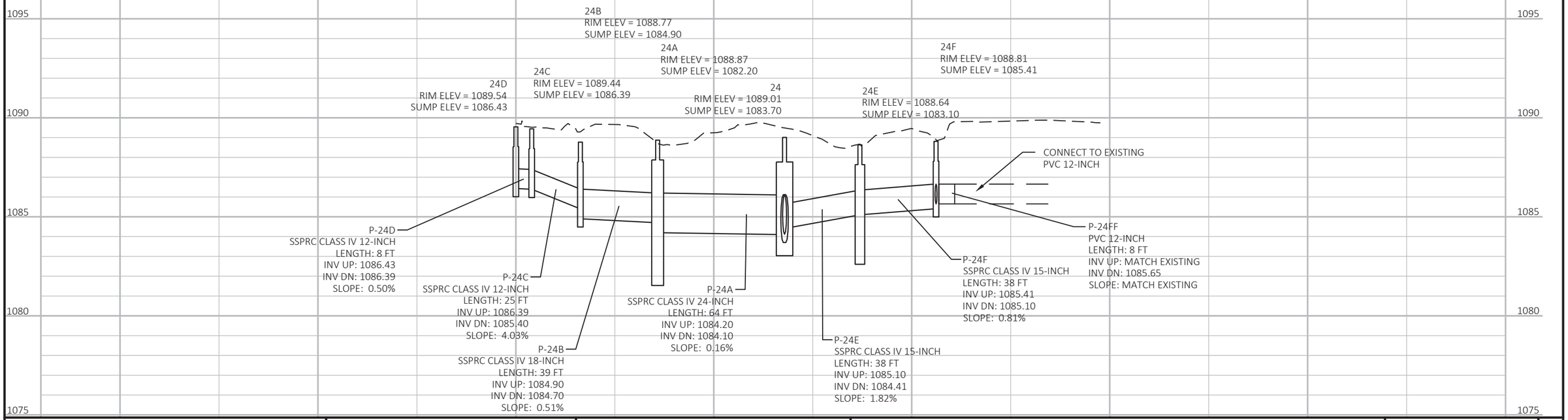
2



PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	STORM SEWER	SHEET 123	E

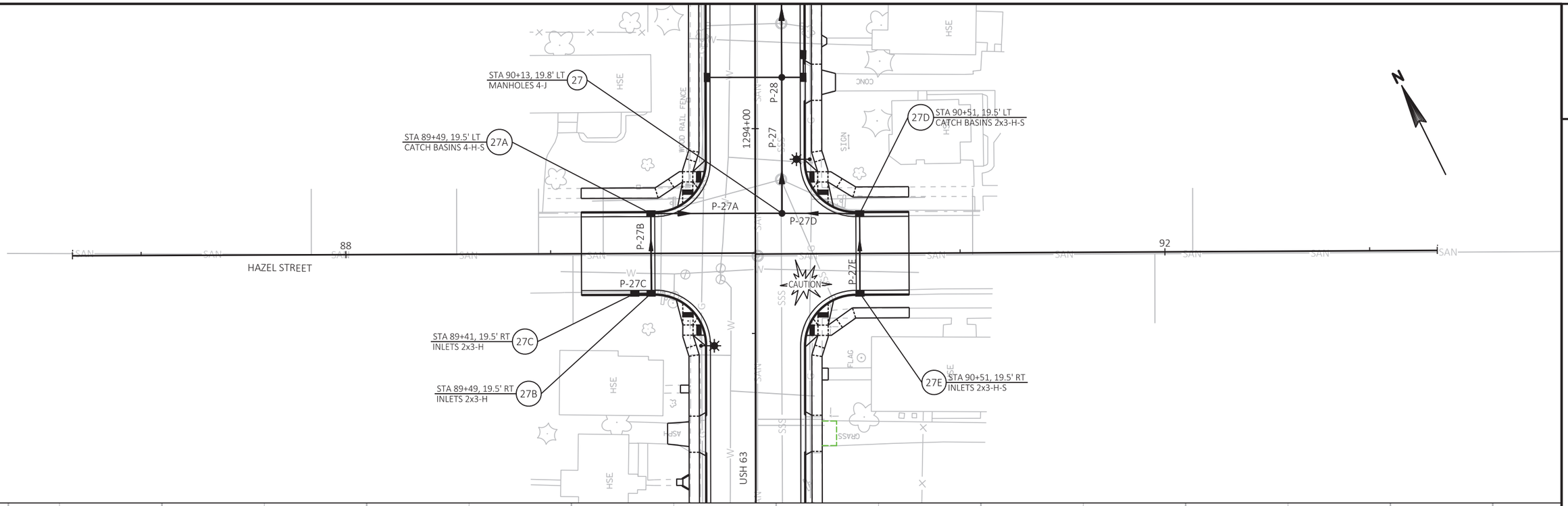
2

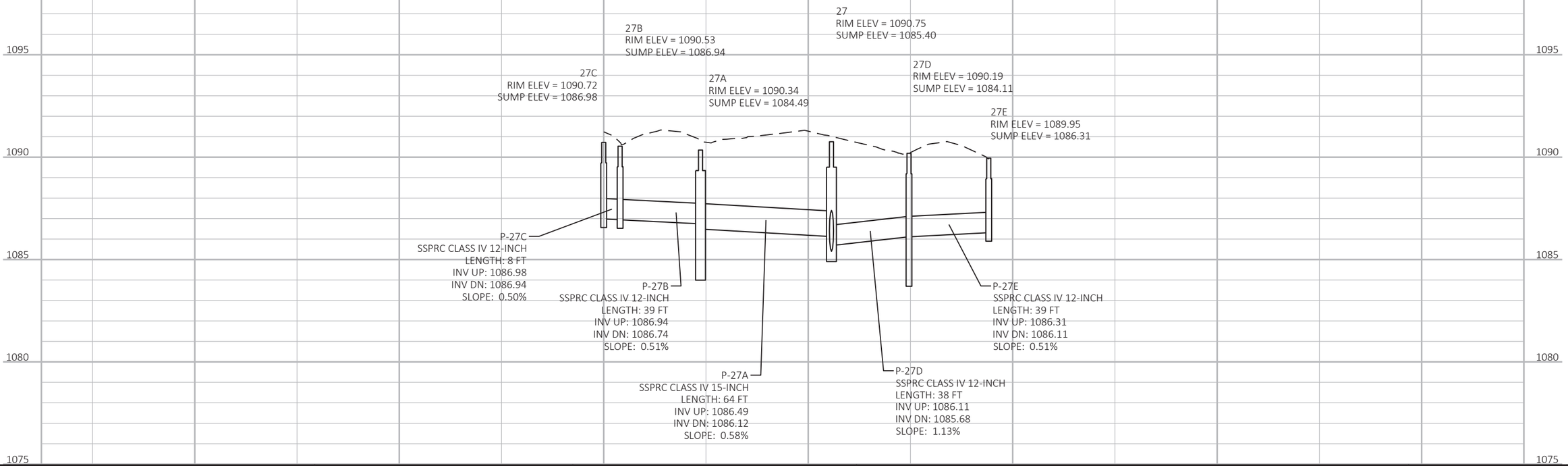




PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	STORM SEWER	SHEET 124	E

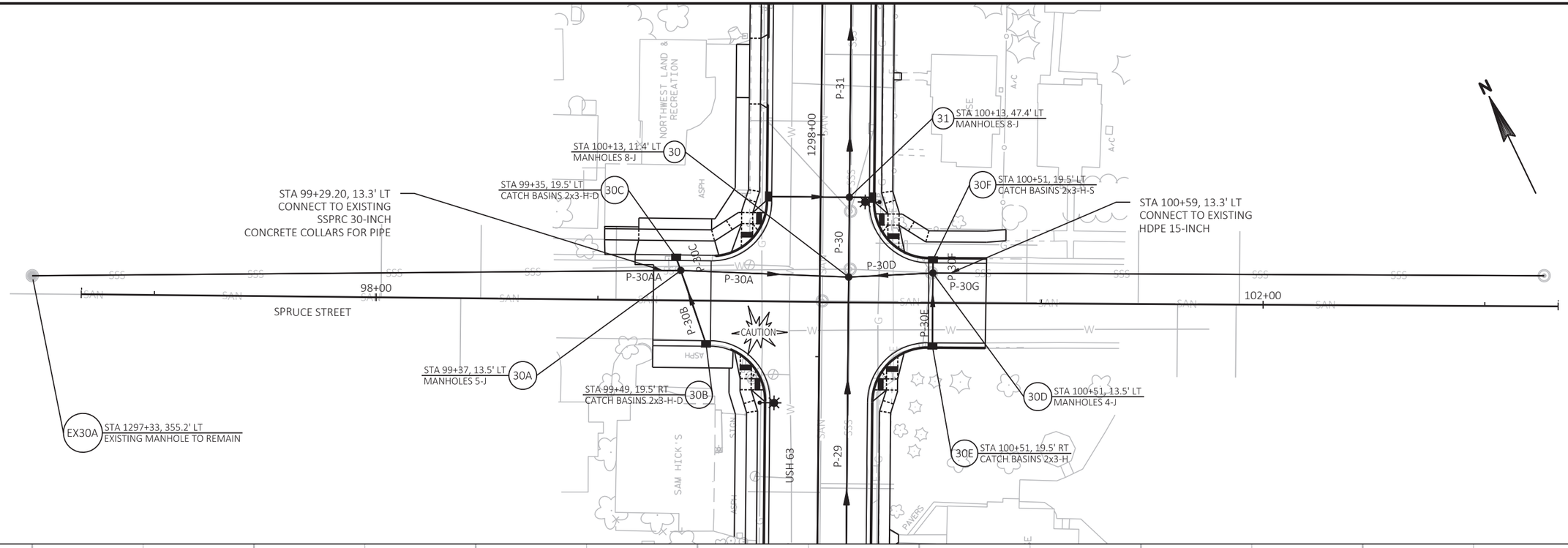
2

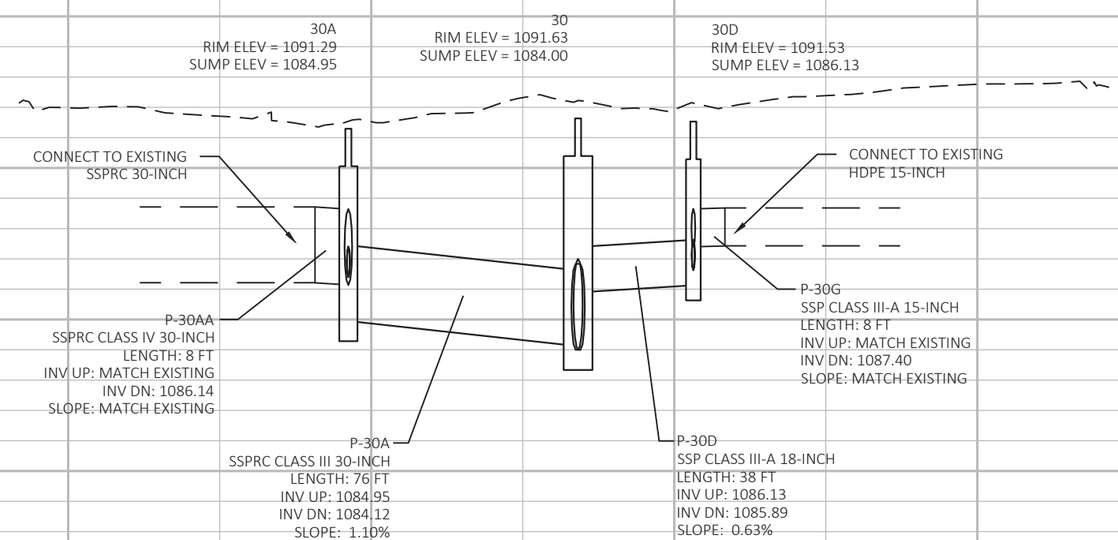




PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	STORM SEWER	SHEET 125	E

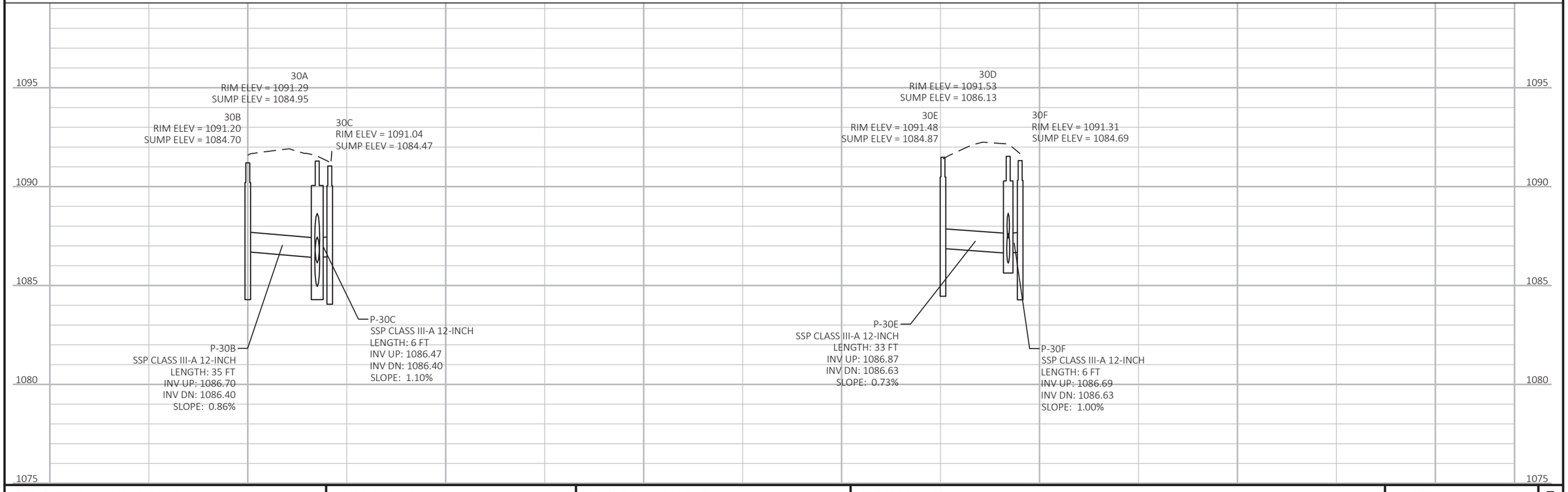
2





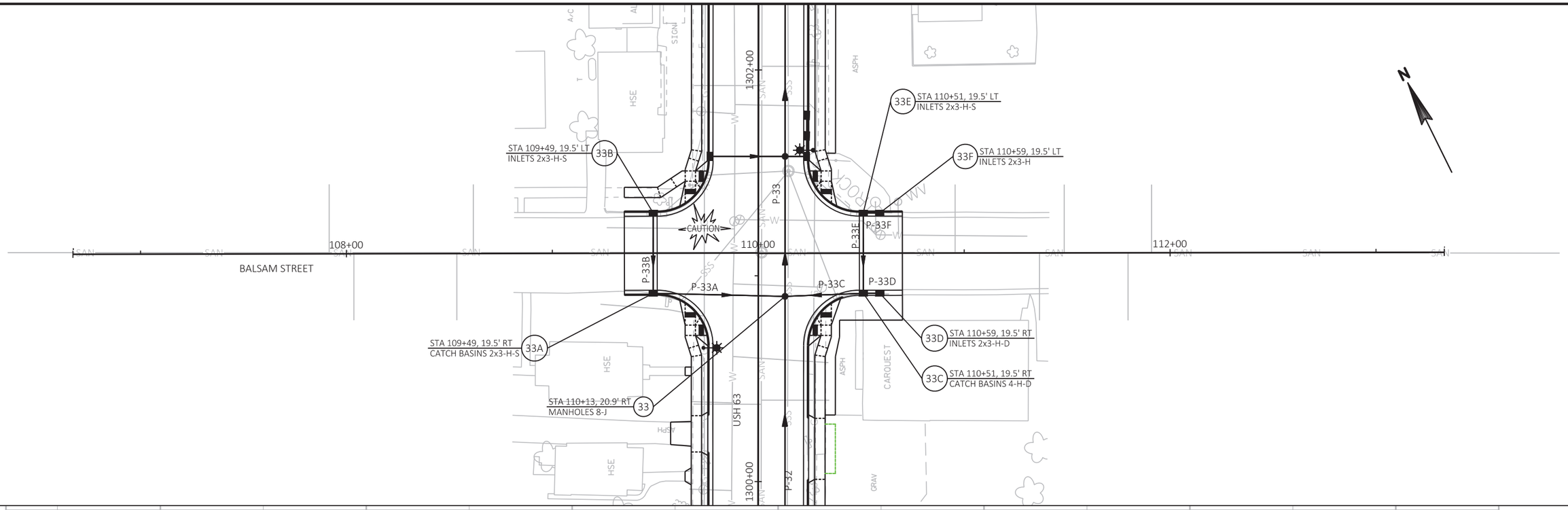
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	STORM SEWER	SHEET 126	E

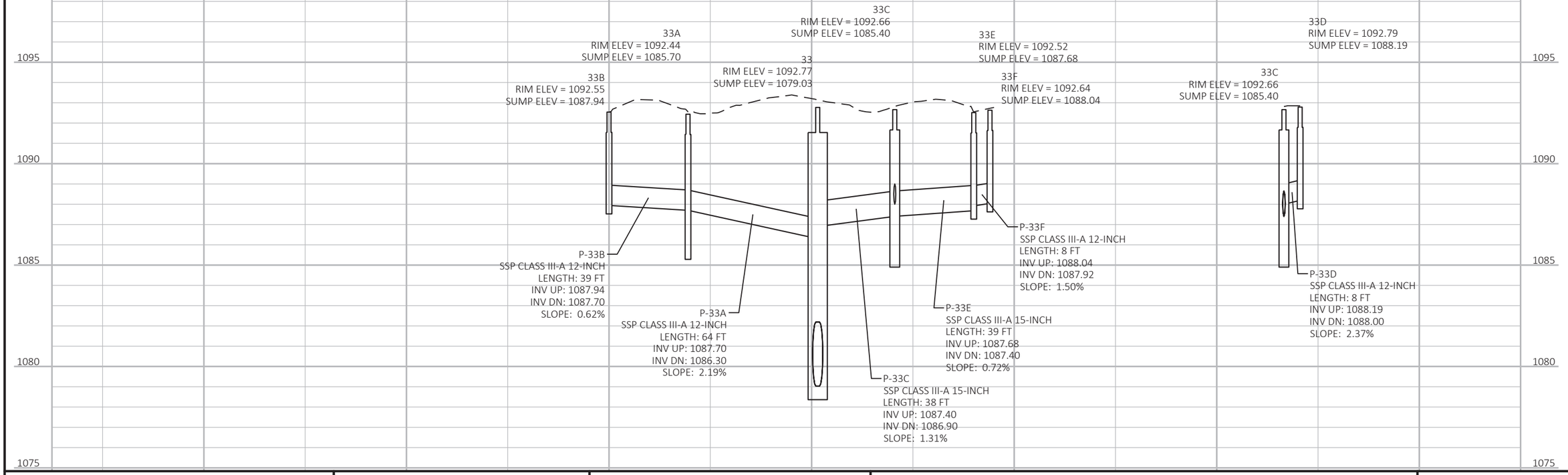
2



PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	STORM SEWER	SHEET 127 E

2

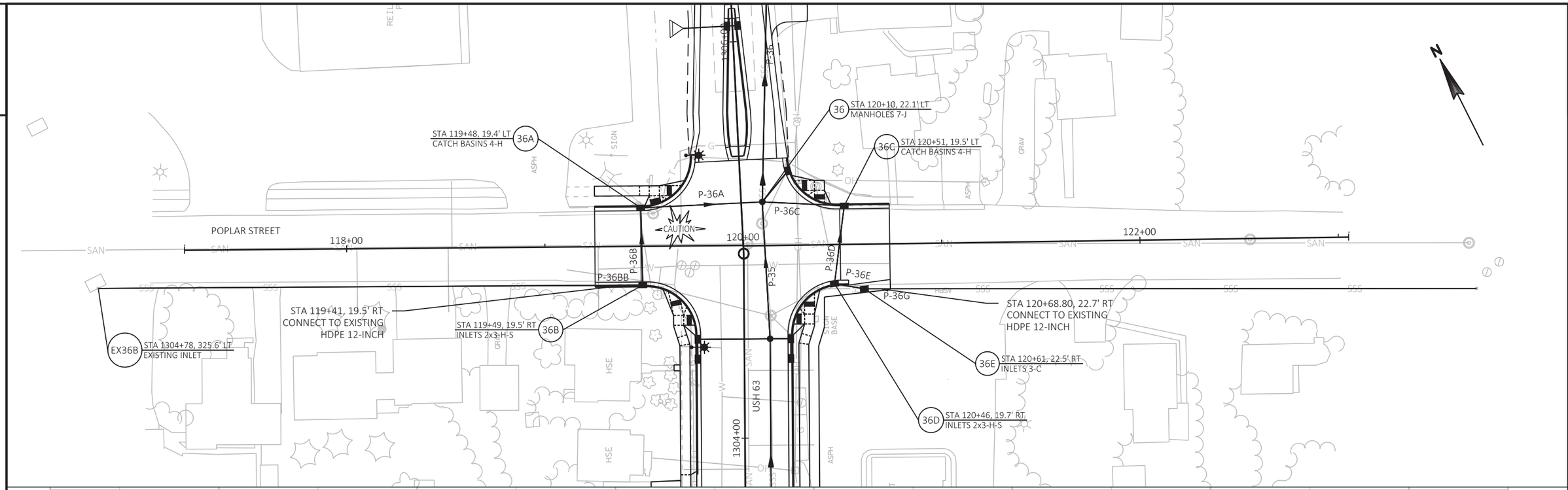


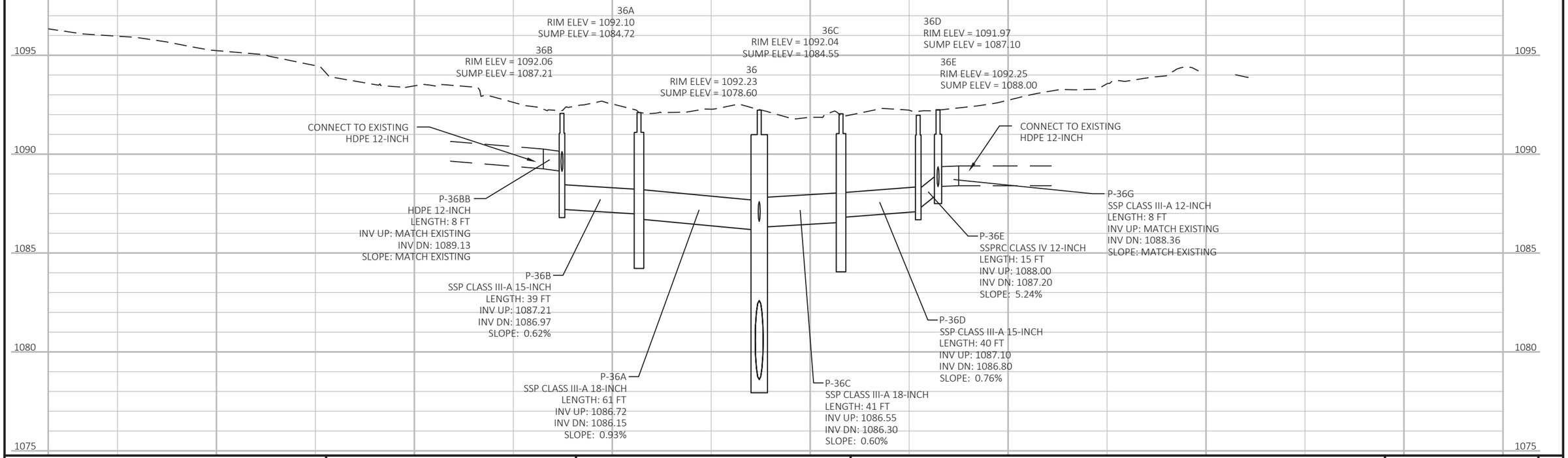


PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	STORM SEWER	SHEET 128	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\022502 SS.DWG
LAYOUT NAME - 022517
PLOT DATE : 7/28/2021 8:49 AM
PLOT BY : ANNIE JEROME
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 41

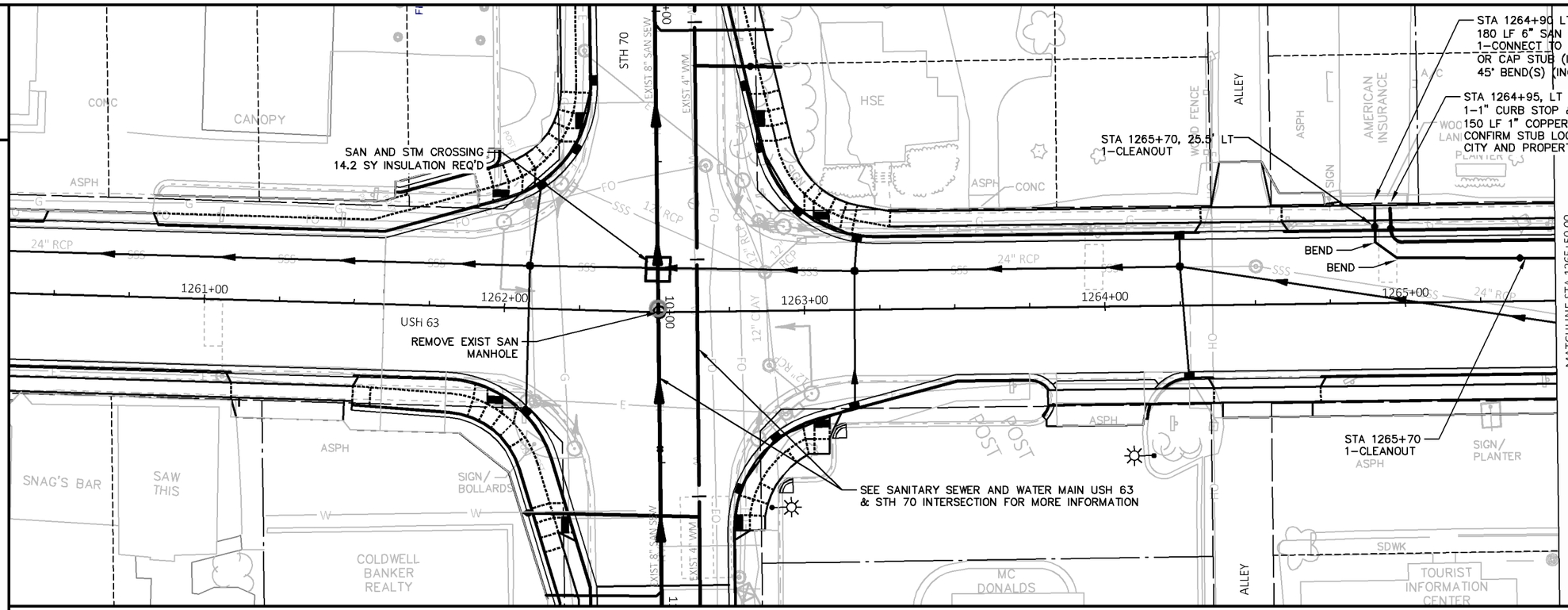
2



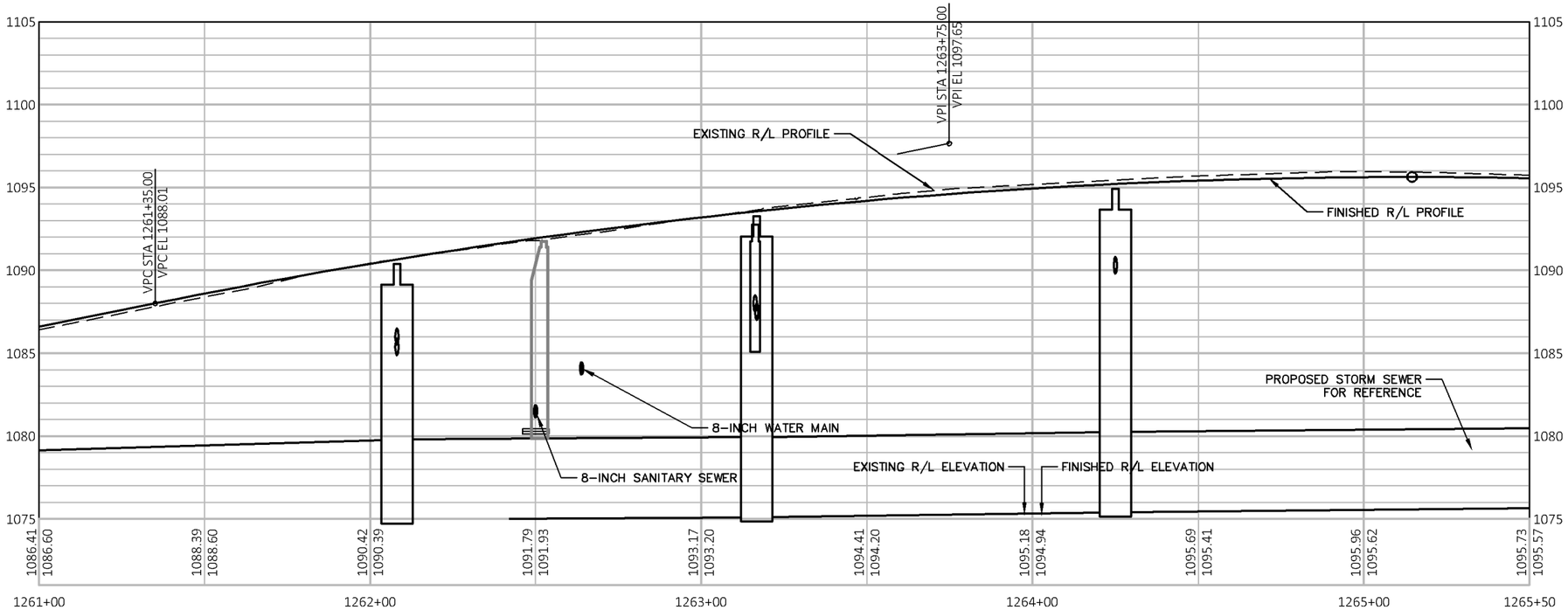


PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	STORM SEWER	SHEET 129	E

2



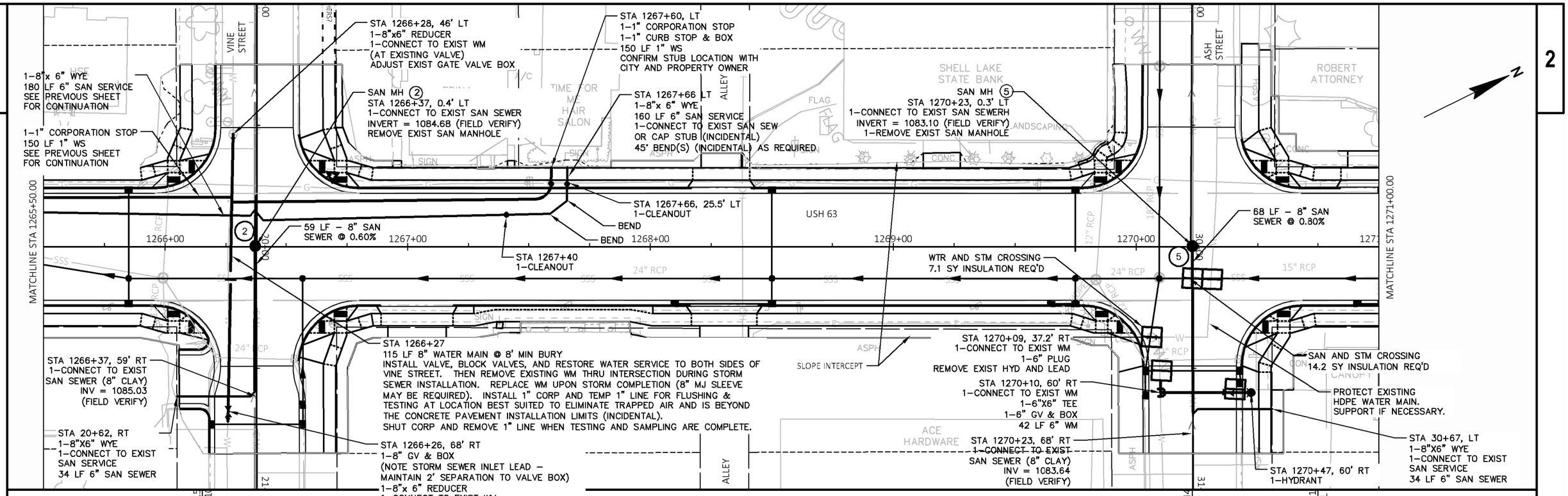
NOTE:
SANITARY SEWER AND WATER MAIN PLANS ARE BASED ON FIELD OBSERVATIONS AND RECORD PLANS. EXACT LOCATIONS, SIZES, MATERIAL, AND CONDITION MAY VARY FROM THAT SHOWN ON PLAN. CONTRACTOR SHOULD HAVE VARYING MATERIALS ON HAND TO MAKE CONNECTIONS AS REQUIRED. WATER AND SEWER SERVICE LATERALS MAY VARY FROM WHAT IS SHOWN, AND ADDITIONAL SERVICES MAY EXIST. CONTRACTOR SHOULD BE VIGILANT FOR SERVICE PIPES AND REPLACE THOSE ENCOUNTERED DURING EXCAVATION, WORKING WITH CITY AND PROPERTY OWNERS TO DETERMINE CONNECTIONS AND BEST REPLACEMENT SCENARIO.

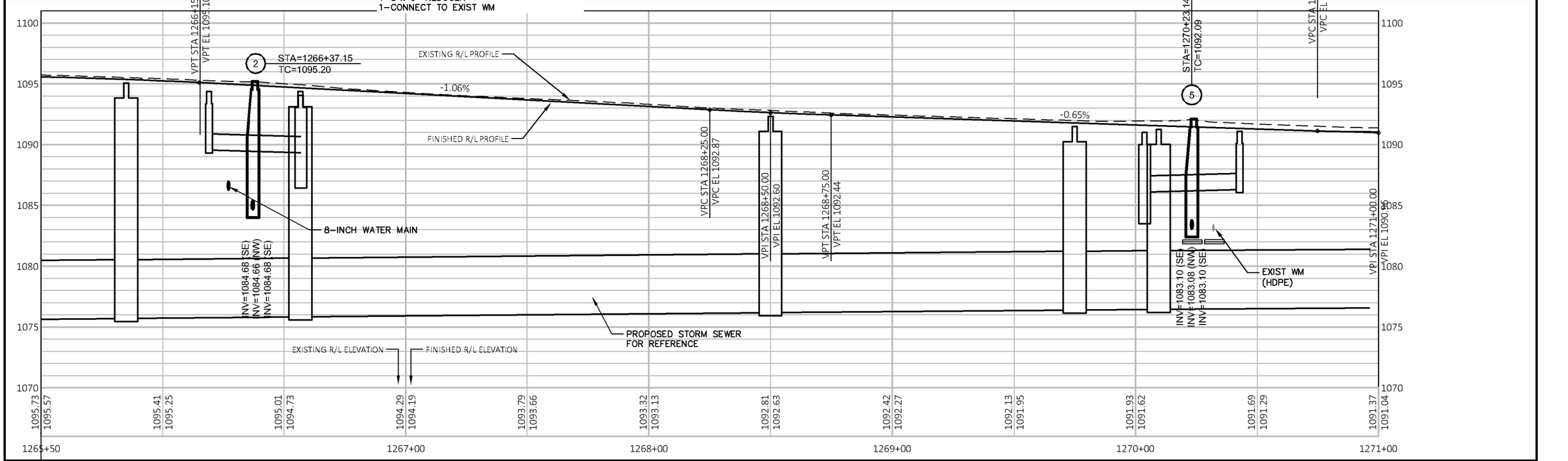


PROJECT NO: 1560-00-80	HWY: USH 63	COUNTY: WASHBURN	SANITARY SEWER AND WATER MAIN USH 63	SHEET	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\023001_UP.DWG
LAYOUT NAME - 1

PLOT DATE : 7/31/2021 7:18 PM PLOT BY : BRYAN CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:40 FT





PROJECT NO: 1560-00-80	HWY: USH 63	COUNTY: WASHBURN	SANITARY SEWER AND WATER MAIN USH 63	SHEET E

2

ADJUST EXIST GATE VALVE BOX

STA 1273+98, 10' LT
1–CONNECT TO EXIST WM (HDPE)
1–6"X6" TEE
1–8"X6" REDUCER
1–8" GV & BOX
6 LF 6" WM

STA 1273+48 LT
1–CONNECT TO 8" SAN MAIN W/6" SADDLE
75 LF 6" SAN SERVICE
PROVIDE 45° BEND(S) AND CLEANOUT(S) AS REQ'D
1–CONNECT TO EXIST SAN SERVICE
STA 1273+48, 25.5' LT
1–CLEANOUT

STA 1274+09, 10.0' LT
SAN & WTR CROSSING
MAINTAIN 6" MINIMUM VERTICAL CLEARANCE FROM OUTSIDE PIPES WHEN WTR IS OVER SAN

SAN MH 8
STA 1274+09, 0.0' LT
1–CONNECT TO EXIST SAN SEWER
INVERT = 1082.41 (FIELD VERIFY)
REMOVE EXIST SAN MANHOLE

STA 1273+48, 22.0' LT

STA 1273+52, 18.5' LT

CRITICAL UNDERGROUND PHONE CONDUIT. COORDINATE WITH PHONE COMPANY.

EXIST 6" WM

WTR AND STM CROSSING
14.2 SY INSULATION REQ'D
PROTECT EXISTING WTR MAIN

SAN AND STM CROSSING
14.2 SY INSULATION REQ'D

SLOPE INTERCEPT

72 LF – 8" SAN SEWER @ 0.41%

WTR AND STM CROSSING
14.2 SY INSULATION REQ'D

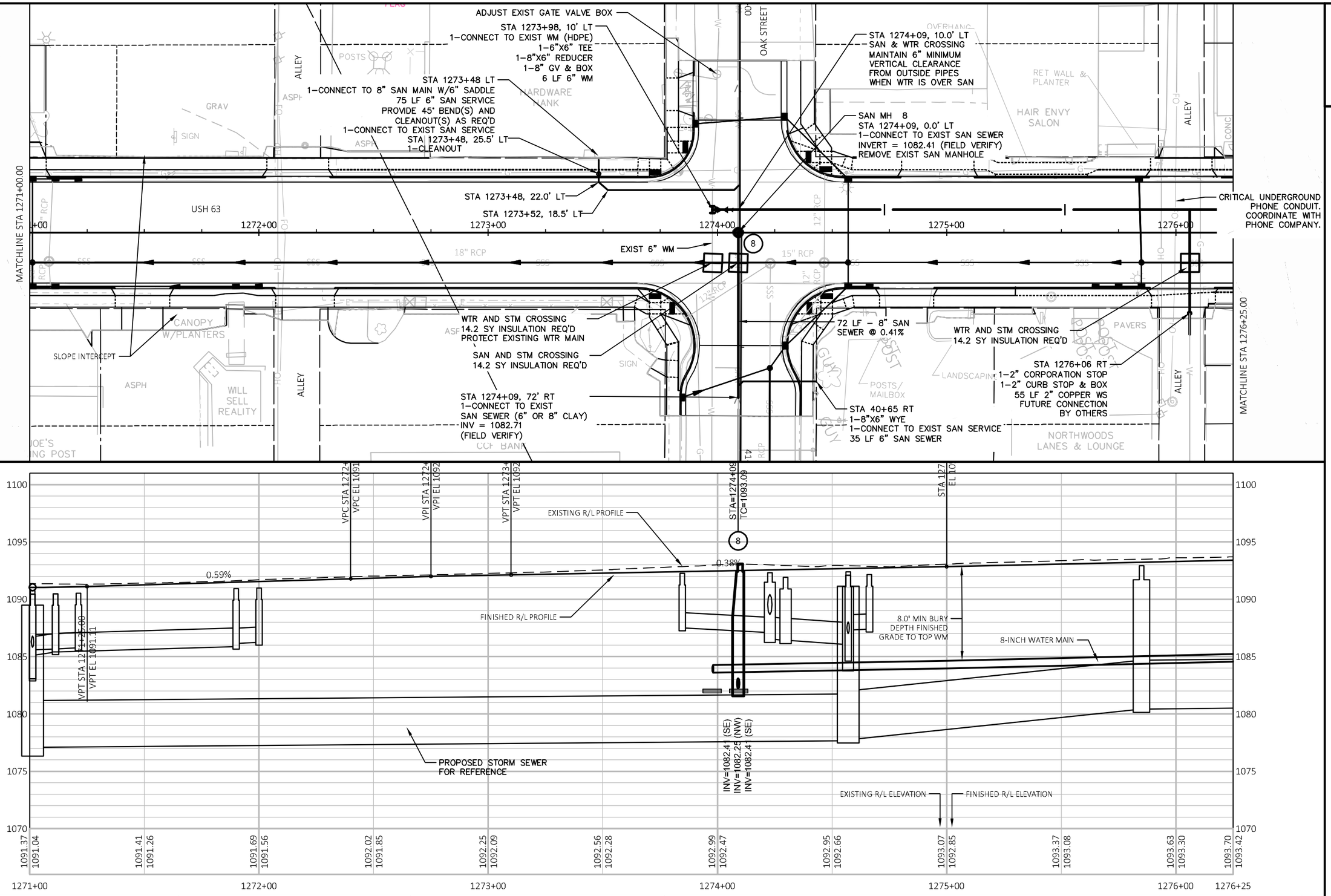
STA 1276+06 RT
1–2" CORPORATION STOP
1–2" CURB STOP & BOX
55 LF 2" COPPER WS
FUTURE CONNECTION BY OTHERS

STA 1274+09, 72' RT
1–CONNECT TO EXIST SAN SEWER (6" OR 8" CLAY)
INV = 1082.71
(FIELD VERIFY)

STA 40+65 RT
1–8"X6" WYE
1–CONNECT TO EXIST SAN SERVICE
35 LF 6" SAN SEWER

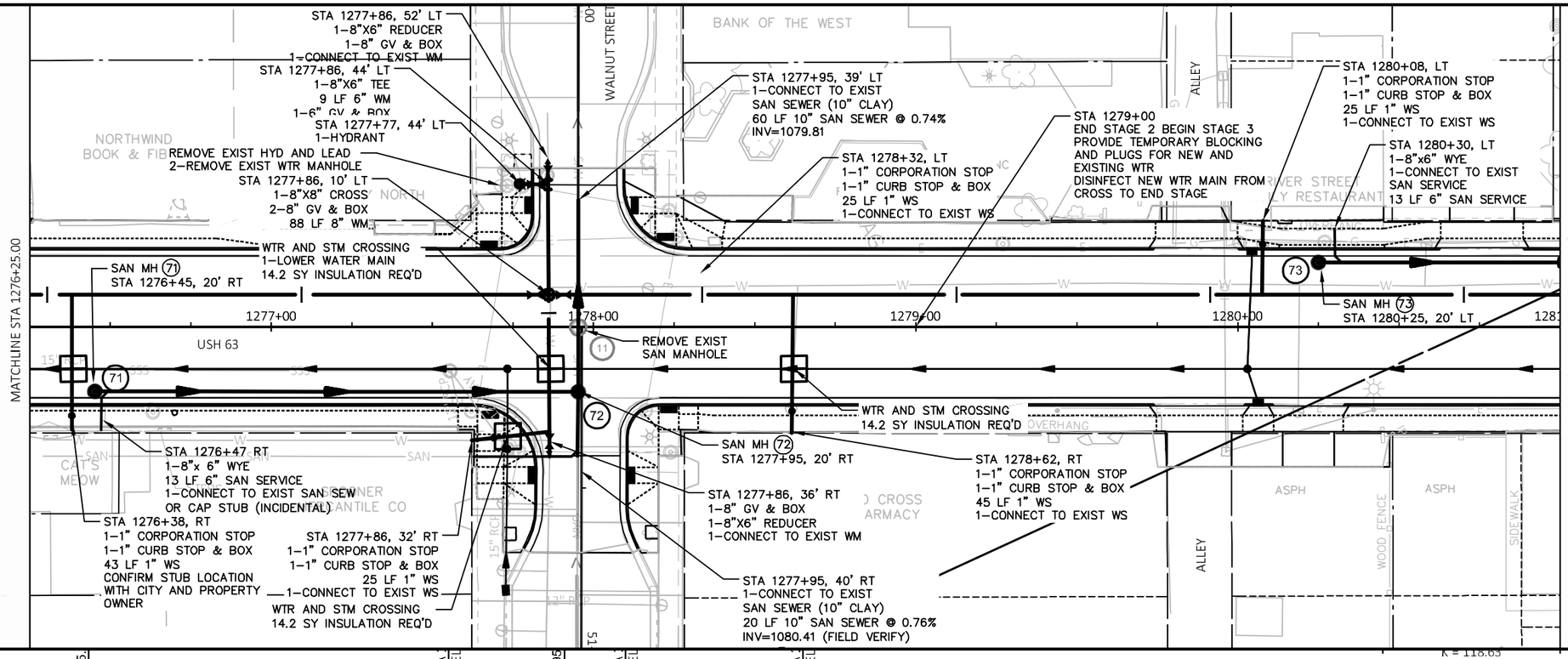
MATCHLINE STA 1271+00.00

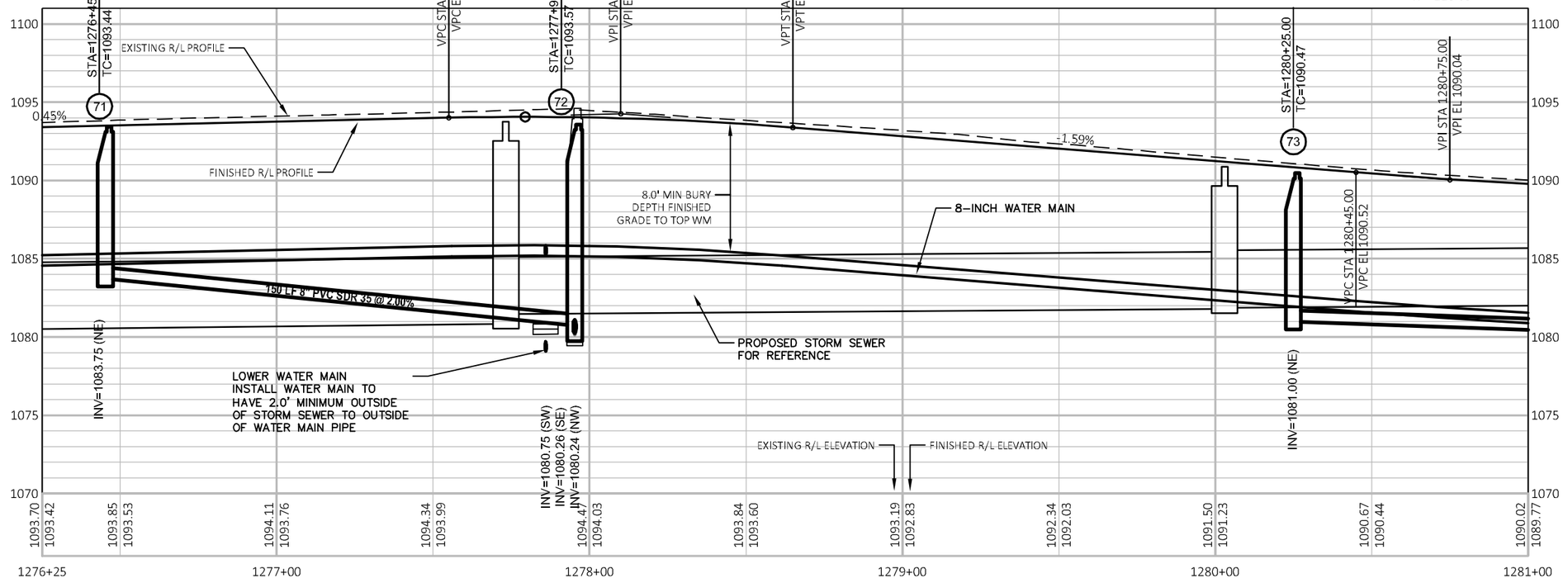
MATCHLINE STA 1276+25.00



PROJECT NO: 1560-00-80	HWY: USH 63	COUNTY: WASHBURN	SANITARY SEWER AND WATER MAIN USH 63	SHEET E

2





PROJECT NO: 1560-00-80	HWY: USH 63	COUNTY: WASHBURN	SANITARY SEWER AND WATER MAIN USH 63	SHEET E

IF NEW CONNECTION IS MADE AT 1281+90, 77.0' LT
REMOVE WATER SERVICE TO EAST IN EXCAVATION.
WATER SERVICE REMOVAL INCIDENTAL.
CLOSE CORP AT MAIN. VERIFY WITH CITY
AND PROPERTY OWNER

STA 1281+81, 65' LT
1-CONNECT TO EXIST
SAN SEWER (8" CLAY)
45 LF 8" SAN SEWER @ 0.47%
INV=1079.20 (FIELD VERIFY)

STA 1281+95, 70' LT
1-CONNECT TO EXIST WM (8" PVC 2019)
REMOVE 8"x 4" REDUCER (INCIDENTAL)

STA 1281+95, 47' LT
1-8"X6" TEE
1-6" GV & BOX
10 LF 6" WM

STA 1282+04, 47' LT
1-HYDRANT

REMOVE EXIST HYD AND LEAD

SAN MH (74)
STA 1281+81, 20' LT

STA 1282+77, 17' LT
1-1" CORPORATION STOP
1-1" CURB STOP & BOX
18 LF 1" WS
CONFIRM STUB LOCATION WITH
CITY AND PROPERTY OWNER

WTR AND STM CROSSING
14.2 SY INSULATION REQ'D

STA 1285+77, 69' LT
1-6" GV & BOX
1-CONNECT TO EXIST WM

SAN MH (68)
STA 1285+67.2, 70.6' LT
TC=1087.68
1-CONNECT TO EXIST
SAN SEWER (10" CLAY)
71 LF 12" SAN SEWER @ 0.31%
INV=1077.71 SE & NW (FIELD VERIFY)

STA 1285+77, 17' LT
1-8"X6" TEE
52 LF 6" WM
1-8" GV & BOX

WTR AND STM CROSSING
14.2 SY INSULATION REQ'D

STA 1285+77, 39' LT
1-6"X6" TEE
1-6" GV & BOX
17 LF 6" WM

STA 1285+93, 39' LT
1-HYDRANT

REMOVE EXIST HYD
AND LEAD

MATCHLINE STA 1281+00.00

MATCHLINE STA 1286+50.00

ELM STREET

PINE STREET/ CTH K

USH 63

ALLEY

ALLEY

10'

17'

REMOVE EXIST
SAN MANHOLE

WTR AND STM CROSSING
14.2 SY INSULATION REQ'D

WM AND SAN CROSSING
1-LOWER WATER MAIN

STA 1281+53, 54' RT
1-1" CORPORATION STOP
1-1" CURB STOP & BOX
77 LF 1" WS
1-CONNECT TO EXIST WS

STA 1281+64, 69' RT
1-EXPLORATORY EXCAVATION
1-1" CURB STOP & BOX
1-CONNECT TO EXIST WS
WATER SERVICE LIVE TO EAST

STA 1281+95, 10' LT
1-8"X8" TEE
2-8" GV & BOX
60 LF 8" WM (W)
UTILIZE VERTICAL BENDS SO
VALVES ARE STANDARD DEPTH

STA 1281+81, 65' RT
1-CONNECT TO EXIST
SAN SEWER (8" CLAY)
85 LF 8" SAN SEWER @ 0.39%
INV=1079.76 (FIELD VERIFY)

STA 1282+67, RT
1-1" CORPORATION STOP
1-1" CURB STOP & BOX
50 LF 1" WS
1-CONNECT TO EXIST WS

DEFLECT WATER MAIN
STA 1282+00 TO 1283+00
OR USE 11° BENDS IF REQ'D

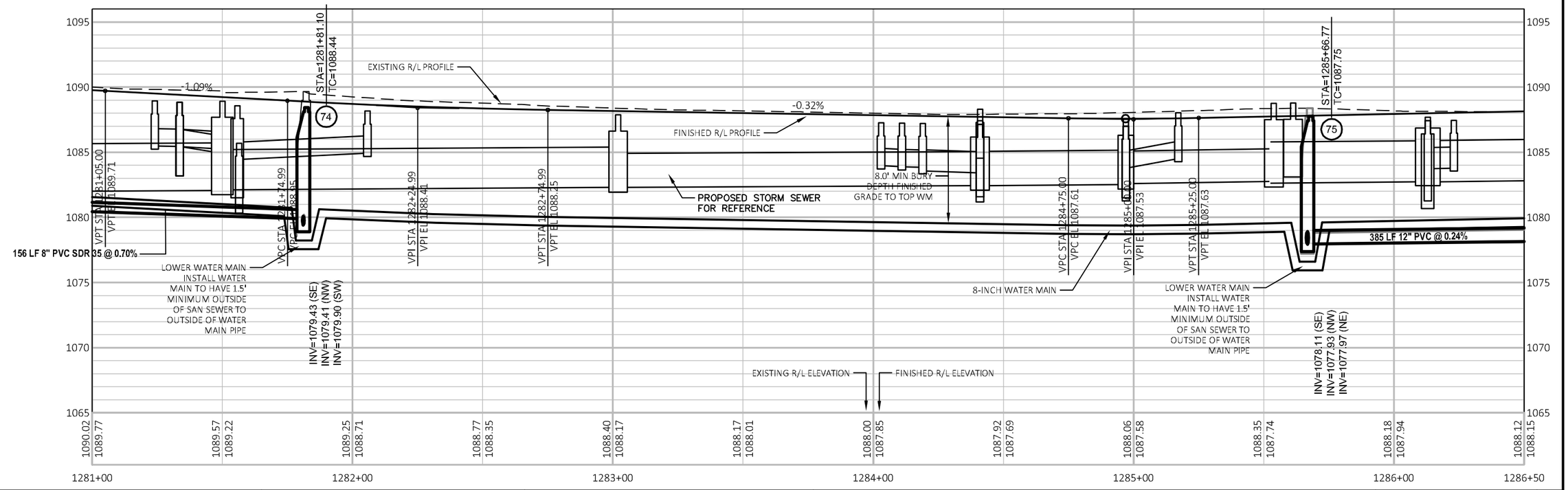
SLOPE INTERCEPT

WM AND SAN CROSSING
1-LOWER WATER MAIN

STA 1284+00 – 1285+20 RT
3 EXISTING WATER SERVICES
ARE ANTICIPATED TO BE
ENCOUNTERED DURING INSTALLATION
DO NOT REINSTATE SERVICES

STA 1285+65, 65' RT
1-CONNECT TO EXIST
SAN SEWER (8" CLAY)
65 LF 8" SAN SEWER @ 0.44%
INV=1078.42 (FIELD VERIFY)

SAN MH (75)
STA 1285+67, R/L
REMOVE EXIST SAN
MANHOLE

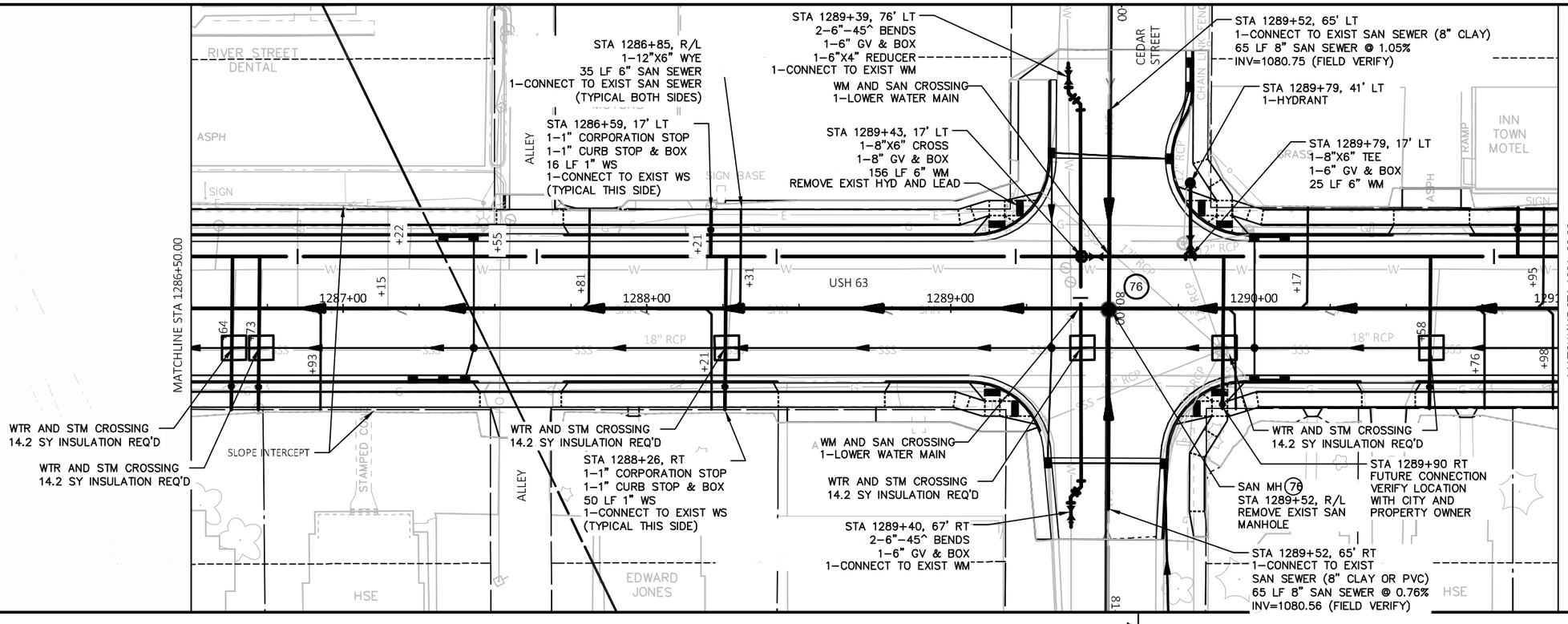


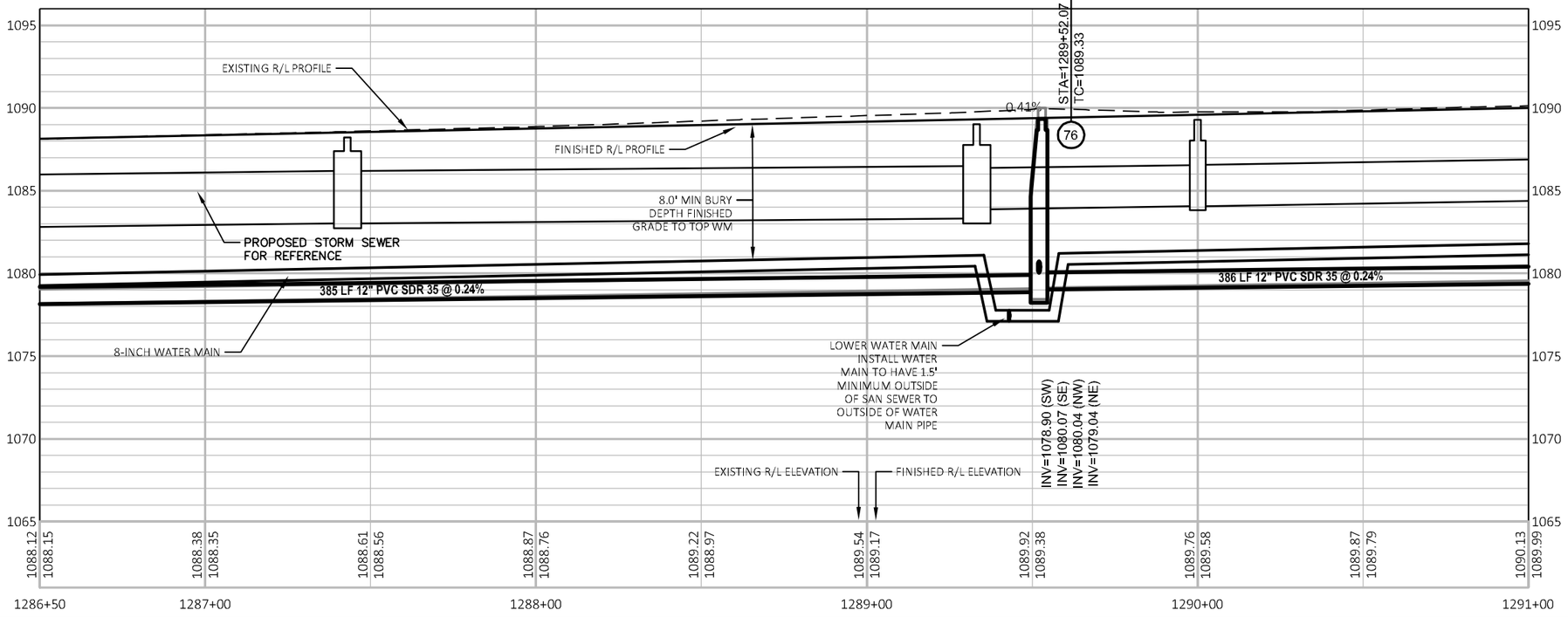
PROJECT NO: 1560-00-80	HWY: USH 63	COUNTY: WASHBURN	SANITARY SEWER AND WATER MAIN USH 63	SHEET E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\023001_UP.DWG
LAYOUT NAME - 5

PLOT DATE : 7/31/2021 7:21 PM PLOT BY : BRYAN CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:40 FT

DS SHEET 44





PROJECT NO: 1560-00-80	HWY: USH 63	COUNTY: WASHBURN	SANITARY SEWER AND WATER MAIN USH 63	SHEET E

2

STA 1293+30, 65' LT
1-CONNECT TO EXIST WM
1-10" GV & BOX

STA 1293+38, 65' LT
1-CONNECT TO EXIST SAN SEWER (8" CLAY)
65 LF 8" SAN SEWER @ 0.89%
INV=1081.89 (FIELD VERIFY)

WTR AND SAN CROSSING
MAINTAIN 6" MINIMUM VERTICAL
SEPARATION BETWEEN THE OUTSIDE
PIPE EDGES (IF WTR IS ABOVE SAN)

STA 1292+11, LT
1-1" CORPORATION STOP
1-1" CURB STOP & BOX
17 LF 1" WS
1-CONNECT TO EXIST WS
(TYPICAL THIS SIDE)

STA 1293+30, 42' LT
1-10"X6" TEE
1-6" GV & BOX
17 LF 6" WM

STA 1293+13, 42' LT
1-HYDRANT
REMOVE EXIST HYD AND LEAD

SAN MH (77)
STA 1293+38, R/L
REMOVE EXIST SAN MANHOLE

MATCHLINE STA 1291+00.00

MATCHLINE STA 1296+50.00

WTR AND STM CROSSING
14.2 SY INSULATION REQ'D

STA 1291+53, R/L
1-12"X6" WYE
35 LF 6" SAN SEWER
1-CONNECT TO EXIST SAN SEWER
(TYPICAL BOTH SIDES TO MH 77)

SLOPE INTERCEPT

STA 1292+70, RT
1-1" CORPORATION STOP
1-1" CURB STOP & BOX
50 LF 1" WS
1-CONNECT TO EXIST WS
(TYPICAL THIS SIDE)

STA 1293+30, 17' LT
1-10"X8" CROSS
1-8" GV & BOX
130 LF 10" WM

STA 1293+30, 65' RT
1-CONNECT TO EXIST WM
1-10" GV & BOX

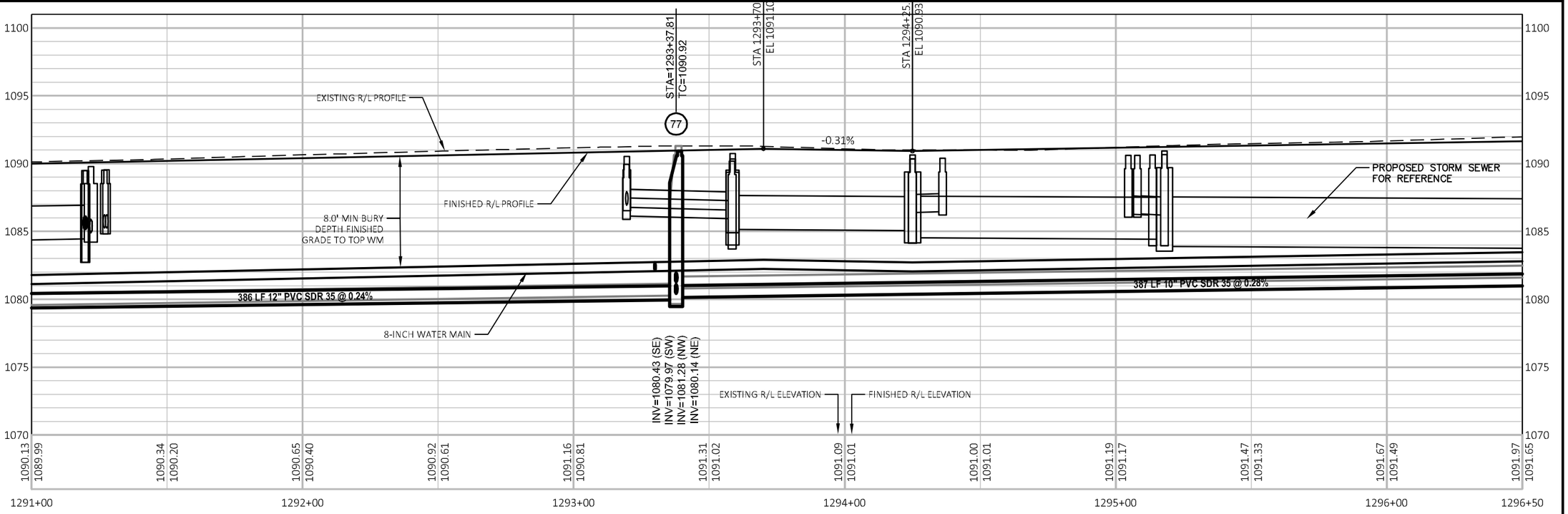
WTR AND STM CROSSING
14.2 SY INSULATION REQ'D

STA 1294+71, R/L
1-10"X6" WYE
35 LF 6" SAN SEWER
1-CONNECT TO EXIST SAN SEWER
(TYPICAL BOTH SIDES FROM
MH 77 TO MH 78)

STA 1293+38
1-CONNECT TO EXIST SAN SEWER (8" PVC)
5 LF SAN SEW (SE) IF REQ'D

WTR AND STM CROSSING
14.2 SY INSULATION REQ'D

WTR AND STM CROSSING
14.2 SY INSULATION REQ'D



PROJECT NO: 1560-00-80	HWY: USH 63	COUNTY: WASHBURN	SANITARY SEWER AND WATER MAIN USH 63	SHEET E

2

STA 1297+25, 65' LT
1-CONNECT TO EXIST
SAN SEWER (8" CLAY)
65 LF 8" SAN SEWER @ 0.40%
INV=1082.23 (FIELD VERIFY)

STA 1297+13, 62' LT
1-CONNECT TO EX WM

STA 1297+13, 17' LT
1-8"X6" CROSS
1-8" GV & BOX
85 LF 6" WM (E)
45 LF 6" WM (W)

REMOVE EXIST HYD
AND LEAD

WM AND SAN CROSSING
1-LOWER WATER MAIN

WM AND SAN CROSSING
1-LOWER WATER MAIN

WTR AND STM CROSSING
14.2 SY INSULATION REQ'D

19 LF - 8" PVC SAN
SEWER 0.52%
UP INV = 1081.50
DN INV = 1081.40

STA 1297+13, 58.4' RT
1-6"X6" TEE
1-6" GV & BOX
16 LF 6" WM
1-HYDRANT

STA 1297+13, 68' RT
1-6" GV & BOX
1-6"X4" REDUCER
1-CONNECT TO EXIST WM

SAN MH (78)
STA 1297+25, R/L
REMOVE EXIST SAN MANHOLE

SAN MH (79)
STA 1297+25, 19' RT

STA 1297+25, 19' RT
1-CONNECT TO EXIST
SAN SEWER (6" CLAY)
INV=1082.51 (FIELD VERIFY)
5 LF SAN SEW (SE) IF REQ'D

STA 1298+47 LT
FUTURE CONNECTION
CONFIRM LOCATION WITH
CITY AND PROPERTY
OWNER

WTR AND STM CROSSING
14.2 SY INSULATION REQ'D

STA 1298+63, 17' LT
1-1" CORPORATION STOP
1-1" CURB STOP & BOX
16 LF 1" WS
1-CONNECT TO EXIST WS
(TYPICAL THIS SIDE)

PARALLEL LINE
SANITARY SEWER

SLOPE INTERCEPT

WTR AND STM CROSSING
14.2 SY INSULATION REQ'D

STA 1299+53, 17' LT
1-1" CORPORATION STOP
1-1" CURB STOP & BOX
50 LF 1" WS
1-CONNECT TO EXIST WS
(TYPICAL THIS SIDE)

STA 1299+78, R/L
1-10"X6" WYE
35 LF 6" SAN SEWER
1-CONNECT TO EXIST SAN SEWER
(TYPICAL THIS SIDE)

WTR AND STM CROSSING
14.2 SY INSULATION REQ'D

SAN MH (80)
STA 1300+42, 19' RT

STA 1300+39, 19' RT
1-8"X6" WYE
15 LF 6" SAN SEWER
1-CONNECT TO EXIST SAN SEWER
(TYPICAL THIS SIDE)

MATCHLINE STA 1296+50.00

MATCHLINE STA 1300+50.00

SPRUCE STREET

USH 63

ALLEY

ASPH

HSE

GRAV

36" RCP

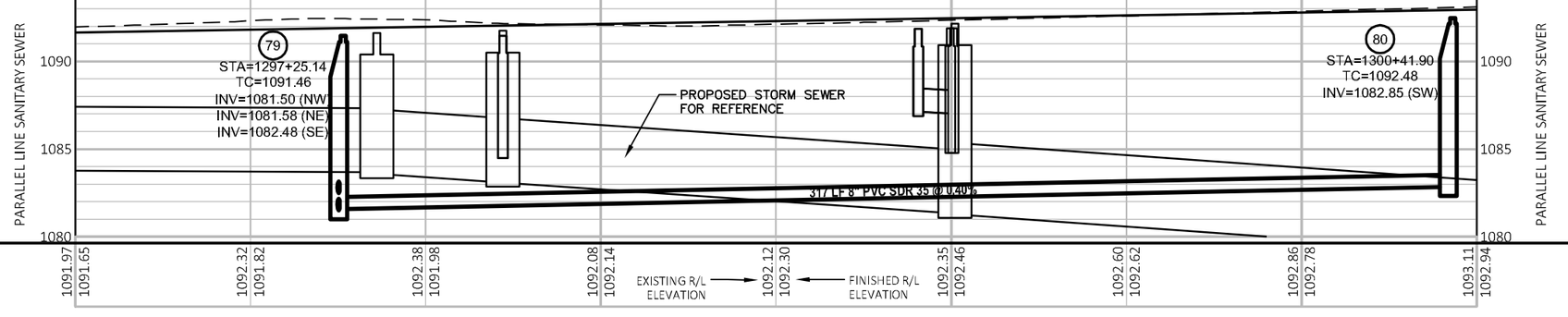
15" HDPE

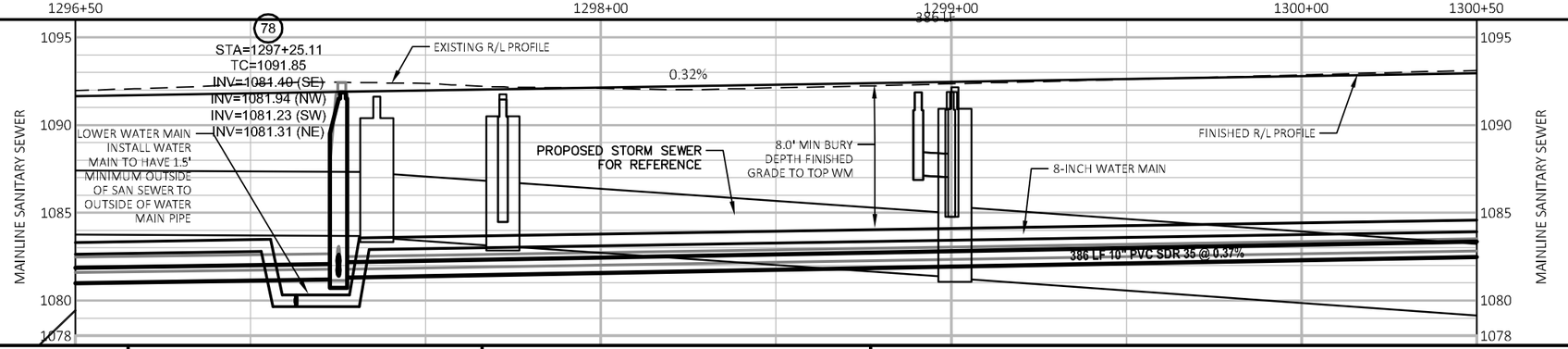
1297+00

1298+00

1299+00

1300+00





PROJECT NO: 1560-00-80	HWY: USH 63	COUNTY: WASHBURN	SANITARY SEWER AND WATER MAIN USH 63	SHEET E

STA 1301+11, 55' LT
1–CONNECT TO EXIST
SAN SEWER (8" CLAY)
55 LF 8" SAN SEWER
@ 0.58%
INV=1084.12
(FIELD VERIFY)

STA 1301+23, 55' LT
2– 6" 45^ BENDS
1–6"X4" REDUCER
1–6" GV & BOX
1–CONNECT TO EXIST WM

WTR AND SAN CROSSING
MAINTAIN 6" MINIMUM VERTICAL
SEPARATION BETWEEN THE OUTSIDE
PIPE EDGES (IF WTR IS ABOVE SAN)

STA 1301+27, 17' LT
1–8"X6" CROSS
2–8" GV & BOX
47 LF 6" WM
1–CONNECT TO EXIST WM

STA 1303+32, 17' LT
1–1" CORPORATION STOP
1–1" CURB STOP & BOX
16 LF 1" WS
1–CONNECT TO EXIST WS
(TYPICAL THIS SIDE)

FUTURE CONNECTION
CONFIRM LOCATION WITH
CITY AND PROPERTY
OWNER

WTR AND STM CROSSING
14.2 SY INSULATION REQ'D

STA 1304+86, 43' LT
1–8"X6" TEE
1–6" GV & BOX
14 LF 6" WM

STA 1304+72, 43' LT
1–HYDRANT
REMOVE EXIST HYD AND
LEAD

STA 1304+87, 17.0' LT
1–8"X8" TEE
1–8" GV & BOX
129 LF 8" WM

STA 1304+86, 65' LT
1–8" GV & BOX
1–8"X6" REDUCER
1–CONNECT TO EXIST WM

STA 1305+00, 65' LT
1–CONNECT TO EXIST
SAN SEWER (8" CLAY)
65 LF 8" SAN SEWER @ 1.49%
INV=1085.21 (FIELD VERIFY)

WM AND SAN CROSSING
1–LOWER WATER MAIN

WTR AND STM CROSSING
14.2 SY INSULATION REQ'D

MATCHLINE STA 1300+50.00

SAN MH (81)
STA 1301+11, R/L
REMOVE EXIST SAN MANHOLE

WTR AND STM CROSSING
14.2 SY INSULATION REQ'D

EXIST HYD TO REMAIN

STA 1301+11, 61' RT
1–CONNECT TO EXIST
SAN SEWER (6" CLAY) WITH
ECCENTRIC FLEXIBLE COUPLING
61 LF 8" SAN SEWER @ 0.62%
INV=1083.63 (FIELD VERIFY)

ADJUST EXIST GATE
VALVE BOX

STA 1302+63, R/L
1–10"X6" WYE
35 LF 6" SAN SEWER
1–CONNECT TO EXIST SAN SEWER
(TYPICAL BOTH SIDES)

SLOPE INTERCEPT

WTR AND STM CROSSING
14.2 SY INSULATION REQ'D

STA 1304+18, RT
1–1" CORPORATION STOP
1–1" CURB STOP & BOX
50 LF 1" WS
1–CONNECT TO EXIST WS
(TYPICAL THIS SIDE)

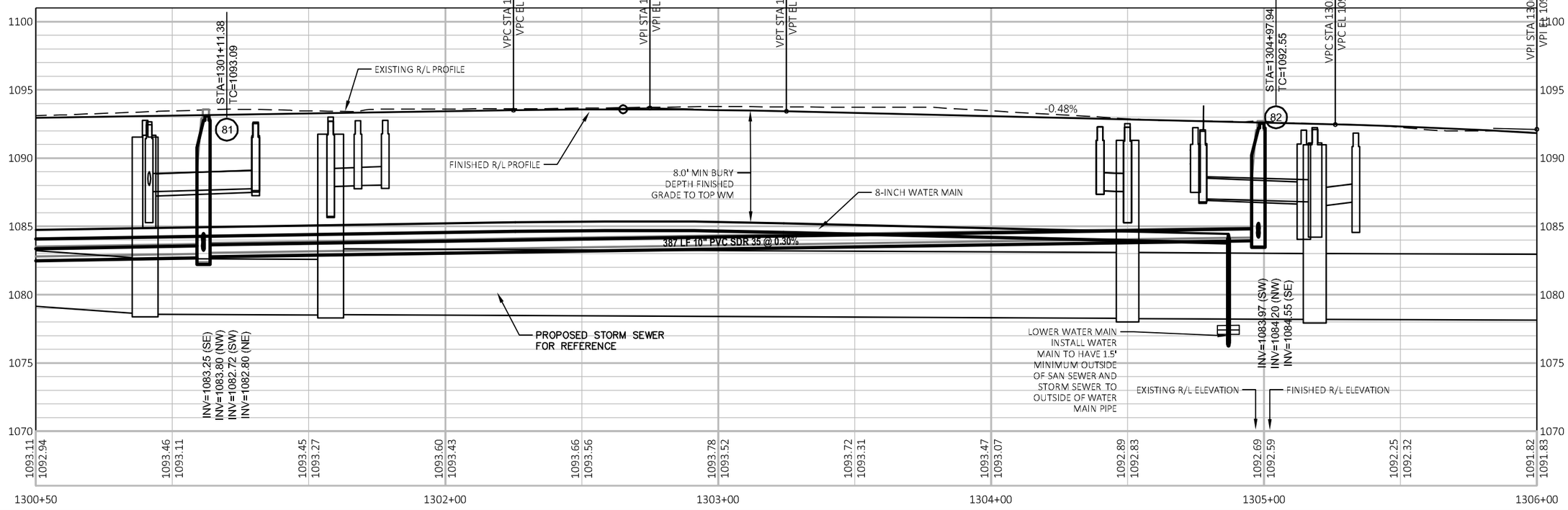
STA 1304+88, 64' RT
1–8" GV & BOX
1–8"X6" REDUCER
1–CONNECT TO EXIST WM

SAN MH (82)
STA 1304+98, R/L
REMOVE EXIST SAN MANHOLE

STA 120+32 & 120+36 LT
2–1" CORPORATION STOP
2–1" CURB STOP & BOX
94 LF – 1" WS
FUTURE CONNECTION
CONFIRM LOCATION WITH CITY
AND PROPERTY OWNER

STA 120+65 LT
1–8"X6" WYE
33 LF 6" SAN SERVICE
FUTURE CONNECTION
CONFIRM LOCATION WITH CITY
AND PROPERTY OWNER

STA 1304+98, 64' RT
1–CONNECT TO EXIST
SAN SEWER (8" CLAY)
64 LF 8" SAN SEWER @ 0.60%
INV=1084.98 (FIELD VERIFY)



PROJECT NO: 1560-00-80	HWY: USH 63	COUNTY: WASHBURN	SANITARY SEWER AND WATER MAIN USH 63	SHEET E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\023001_UP.DWG
LAYOUT NAME - 9
PLOT DATE : 7/31/2021 7:24 PM
PLOT BY : BRYAN CUNNINGHAM
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

STA 8+63 & 9+06
2–8"X6" WYE
72 LF 6" SAN SEWER
2–CONNECT TO EXIST SAN SERVICE
(IF IN SERVICE)

STA 9+19, RT/LT
1–1" CORPORATION STOP
1–1" CURB STOP & BOX
28 LF 1" WS
1–CONNECT TO EXIST WS
(IF IN SERVICE)

STA 8+58, 12.9' LT
1–CONNECT TO EXIST WM
1–8"x4" REDUCER
1–8" GV & BOX

STA 11+02, 12.5' LT
1–CONNECT TO EXIST WM
1–8"x4" REDUCER
1–8" GV & BOX

WORK BY OTHERS
CITY OF SPOONER
TO COORDINATE

PI: 1262+51.72

REMOVE EXISTING SAN MH

PROJECT LIMITS

STH 70

END HMA PAVEMENT
BEGIN CONCRETE PAVEMENT

END CONCRETE PAVEMENT
BEGIN HMA PAVEMENT

SAN MH (69)
STA 11+01, 0.6' RT
1–CONNECT TO EXIST SAN SEWER

WORK BY OTHERS
CITY OF SPOONER
TO COORDINATE
STA 8+16
1.5" CORPORATION STOP
1.5" CURB STOP & BOX
1.5" WS
CONNECT TO EXIST WS

SAN MH (70)
STA 8+61, 0.4' RT
1–CONNECT TO EXIST
SAN SEWER

SAN AND STM CROSSING
INSULATION REQ'D

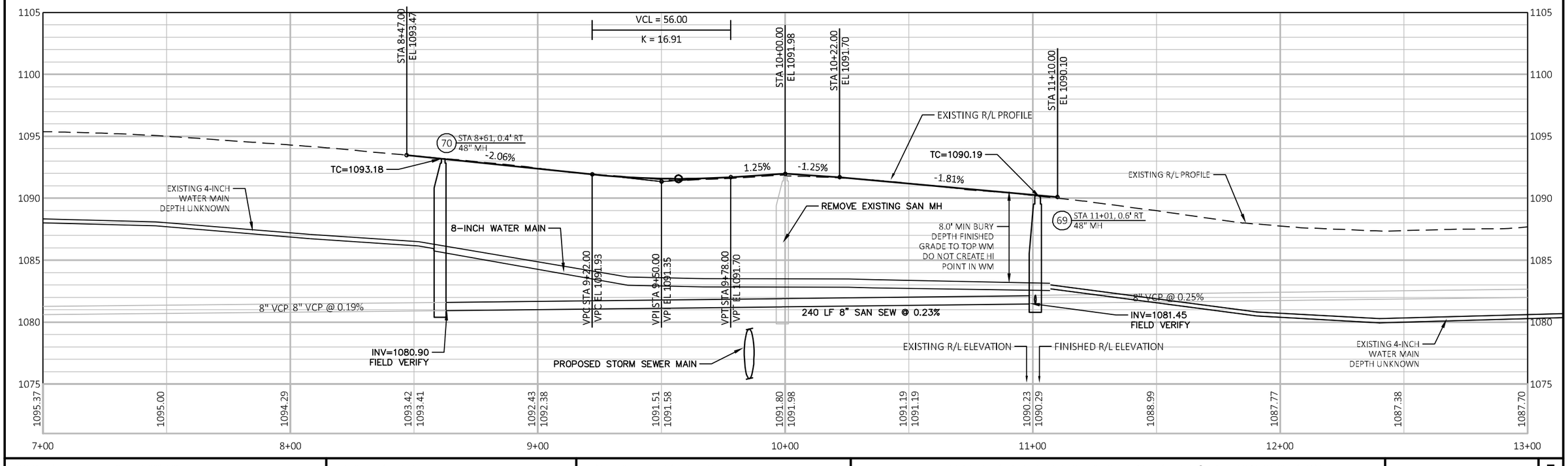
STA 8+69, 12.5' LT
1–8"X6" TEE
1–6" GV & BOX
17 LF 6" WM
1–HYDRANT, 29.0' LT

STA 10+93
1–8"X6" WYE
42 LF 6" SAN SEWER
1–CONNECT TO EXIST SAN SERVICE

STA 10+66, RT
1–1" CORPORATION STOP
1–1" CURB STOP & BOX, 45'RT
60 LF 1" WS
1–CONNECT TO EXIST WS

USH 63

N26° 14' 44"E



PROJECT NO: 1560-00-80	HWY: USH 63	COUNTY: WASHBURN	SANITARY SEWER AND WATER MAIN USH 63 & STH 70 INTERSECTION	SHEET	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\023001_UP 2.DWG
LAYOUT NAME - 001

PLOT DATE : 7/31/2021 7:34 PM PLOT BY : BRYAN CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

INSTALL
R3-9D
24"X6"
END

1-4

1-3

CENTER LANE
ONLY

R3-9B
24"X36"

MOVE

NO PARKING ANY TIME

1-7

R7-1D
18"X24"

MOVE
R2-1
24"X30"

SPEED LIMIT 35

1-10

1249+00

1250+00

1251+00

1252+00

1253+00

1254+00

USH 63

MATCHLINE STA 1254+50.00

BEGIN PROJECT
STA 1248+55.00

INSTALL
R3-9C
24"X6"
BEGIN

1-2

1-1

CENTER LANE
ONLY

R3-9B
24"X36"

GREENWOOD AVENUE

1+00

Δ MOVE

1-5

STOP

R1-1
30"X30"

INSTALL

1-6

NO PARKING ANY TIME

R7-1L
18"X24"

Δ MOVE

1-8

JCT
70

J1-1
24"X39"

MOVE

1-9

SPEED LIMIT 25

R2-1
24"X30"

SIGNING LEGEND

- EXISTING SIGN ON VARIED POST(S)
- EXISTING SIGN ON LIGHT/SIGNAL POLE
- PROPOSED SIGN ON STEEL POST(S)
- PROPOSED SIGN ON LIGHT/SIGNAL POLE
- (X-X) DENOTES SIGN NUMBER
- * BAND TO TRAFFIC SIGNAL
- Δ SALVAGE POST

NOTES:

SIGNS PLATES WERE REPLACED IN 2020.

MOVE = REMOVE THE NEAREST EXISTING SIGN PLATE AND REINSTALL ON NEW STEEL POST(S).

INSTALL = INSTALL NEW SIGN PLATE ON NEW POST(S).

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	PERMANENT SIGNING	SHEET 140	E

2

2

MATCH LINE STA 1254+50.00

MATCHLINE STA 1260+50.00

N

REMOVE

REMOVE

Δ MOVE
R1-1
36"X36"
STOP
2-9

LINN STREET

4+00

MOVE
R2-1
24"X30"
SPEED LIMIT 25
2-10

MOVE
R7-1D
18"X24"
NO PARKING ANY TIME
2-12

MOVE
2-6

2-5

MOVE
NO PARKING ANY TIME
2-4
R7-1D
18"X24"

G

FO

1255+00 1256+00 1257+00 1258+00 1259+00 1260+00

USH 63

MH

STSN

MOVE
2-2
NORTH WEST
63 70
J2-2
48"X57"

INSTALL
2-3
NO PARKING ANY TIME
R7-1D
18"X24"

2-7
REMOVE

MOVE
2-8
NO PARKING ANY TIME
R7-1D
18"X24"

INSTALL
2-13
ONLY
R3-8A
36"X30"

SIGNING LEGEND

- EXISTING SIGN ON VARIED POST(S)
- EXISTING SIGN ON LIGHT/SIGNAL POLE
- PROPOSED SIGN ON STEEL POST(S)
- PROPOSED SIGN ON LIGHT/SIGNAL POLE
- (X-X) DENOTES SIGN NUMBER
- * BAND TO TRAFFIC SIGNAL
- Δ SALVAGE POST

NOTES:

SIGNS PLATES WERE REPLACED IN 2020.

MOVE = REMOVE THE NEAREST EXISTING SIGN PLATE AND REINSTALL ON NEW STEEL POST(S).

INSTALL = INSTALL NEW SIGN PLATE ON NEW POST(S).

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	PERMANENT SIGNING	SHEET 141	E

2

INSTALL
R3-8A
36"X30"
3-13

3-31
INSTALL *
Maple St
M1-94S
84"X18"

MOVE *
R1-1F
36"X36"
STOP
3-12

INSTALL
R3-9B
24"X36"
CENTER LANE
ONLY
3-3

INSTALL
R7-1D
18"X24"
NO PARKING ANY TIME
3-14

INSTALL *
J13-1
24"X45"
63
3-15

3-33
INSTALL *
River St
M1-94S
84"X18"

INSTALL
R3-8A
36"X30"
ONLY
3-25

REMOVE
3-30

MOVE
J4-1
24"X36"
SOUTH
63
3-5

MOVE *
J13-1
24"X45"
70
3-7

MOVE
R7-1L
18"X24"
NO PARKING ANY TIME
3-4

MOVE *
R1-1F
36"X36"
STOP
3-16

MOVE
R7-1R
18"X24"
NO PARKING ANY TIME
3-22

MOVE
R7-1D
18"X24"
NO PARKING ANY TIME
3-26

ALLEY

STH 70

SIGN

MATCH LINE STA 1260+50.00

1261+00

1262+00

1263+00

1264+00

1265+00

206'

162'

USH 63

MATCHLINE STA 1265+50.00

MOVE
3-1
R7-1D
18"X24"
NO PARKING ANY TIME

MOVE
TO
53
J22-1
24"X57"
3-6

MOVE *
STOP
R1-1F
36"X36"
3-10

SIGN
BOLLARD

MOVE *
63
J13-1
24"X45"
3-9

INSTALL *
STH 70
D1-1
48"X18"

MOVE *
STOP
R1-1F
36"X36"
3-17

MOVE *
3-21
70
J13-1
24"X45"

MOVE
3-23
NORTH
63
J4-1
24"X36"

INSTALL *
3-34
River St
M1-94S
84"X18"

INSTALL *
3-32
Maple St
M1-94S
84"X18"

MOVE
3-27
R7-1D
18"X24"
NO PARKING ANY TIME

MOVE
3-28
SPEED LIMIT
25
R2-1
24"X30"

3-29
REMOVE

SIGNING LEGEND

- EXISTING SIGN ON VARIED POST(S)
- EXISTING SIGN ON LIGHT/SIGNAL POLE
- PROPOSED SIGN ON STEEL POST(S)
- PROPOSED SIGN ON LIGHT/SIGNAL POLE
- (X-X) DENOTES SIGN NUMBER
- * BAND TO TRAFFIC SIGNAL
- Δ SALVAGE POST

NOTES:

SIGNS PLATES WERE REPLACED IN 2020.

MOVE = REMOVE THE NEAREST EXISTING SIGN PLATE AND REINSTALL ON NEW STEEL POST(S).

INSTALL = INSTALL NEW SIGN PLATE ON NEW POST(S).

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	PERMANENT SIGNING	SHEET 142	E

2

N

MATCH LINE STA 1265+50.00

MATCHLINE STA 1271+00.00

VINE STREET

ASH STREET

ALLEY

ALLEY

BY OTHERS?

USH 63

1266+00

1267+00

1268+00

1269+00

1270+00

19+00

20+00

21+00

29+00

30+00

31+00

MOVE
R1-1
36"X36"
STOP
4-3

MOVE
R7-1D
18"X24"
NO PARKING ANY TIME
4-2

MOVE
J2-2
48"X57"
EAST 70 | WEST 70
4-6

MOVE
R7-1D
18"X24"
NO PARKING ANY TIME
4-7

MOVE
4-12
Tourist Info
J1-1
24"X39"
JCT 70
4-11

MOVE
R1-1
36"X36"
STOP
4-15

MOVE
4-1
NO PARKING ANY TIME
R7-1D
18"X24"

MOVE
4-4
STOP
R1-1
36"X36"

MOVE
4-5
NO PARKING ANY TIME
R7-1D
18"X24"

INSTALL
4-8
CENTER LANE ONLY
R3-9B
24"X36"

MOVE
4-10
NO PARKING ANY TIME
R7-1D
18"X24"

MOVE
4-16
STOP
R1-1
36"X36"

SIGN

SIGNING LEGEND

- EXISTING SIGN ON VARIED POST(S)
- EXISTING SIGN ON LIGHT/SIGNAL POLE
- PROPOSED SIGN ON STEEL POST(S)
- PROPOSED SIGN ON LIGHT/SIGNAL POLE
- X-X DENOTES SIGN NUMBER
- * BAND TO TRAFFIC SIGNAL
- Δ SALVAGE POST

NOTES:

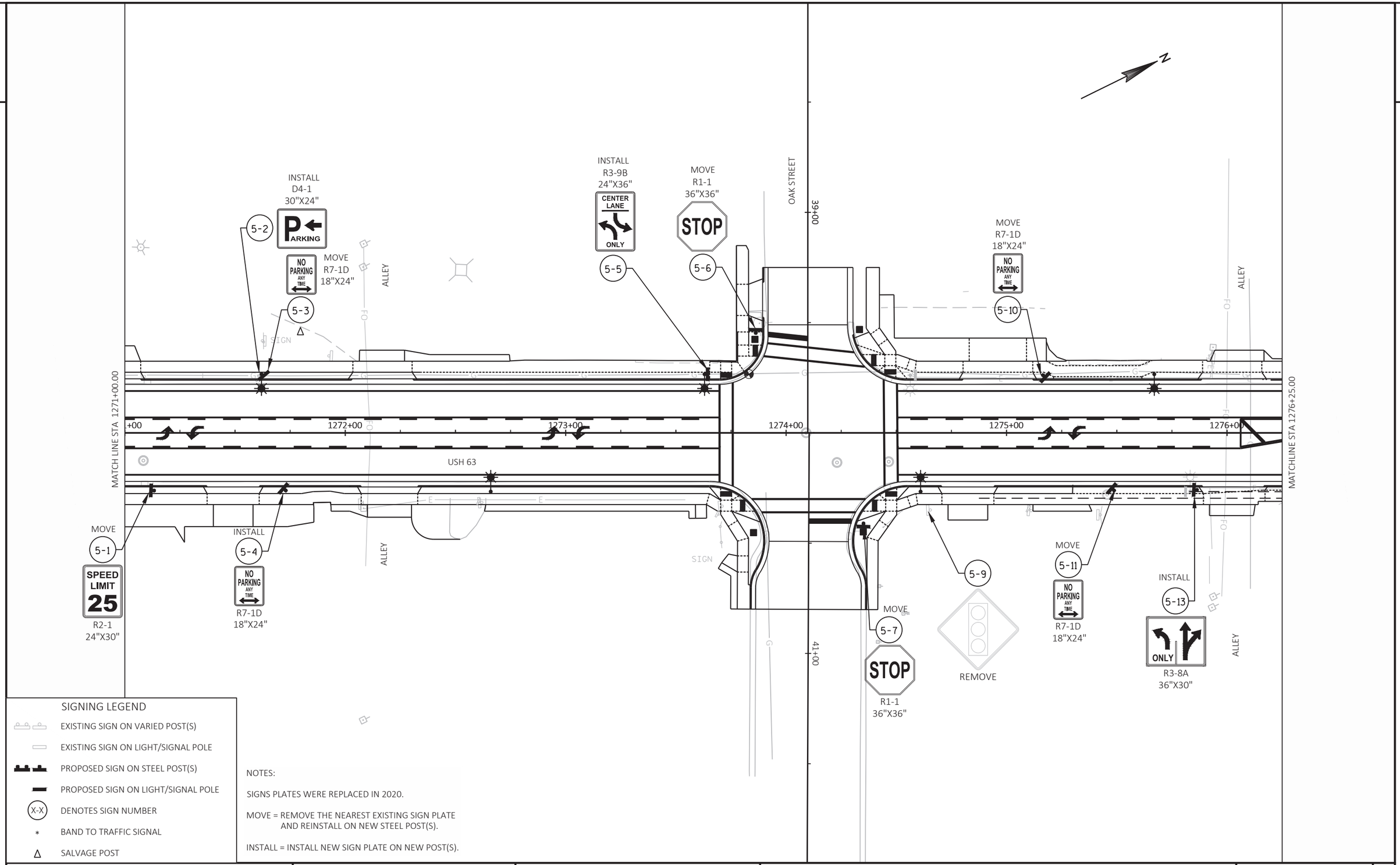
SIGNS PLATES WERE REPLACED IN 2020.

MOVE = REMOVE THE NEAREST EXISTING SIGN PLATE AND REINSTALL ON NEW STEEL POST(S).

INSTALL = INSTALL NEW SIGN PLATE ON NEW POST(S).

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	PERMANENT SIGNING	SHEET 143	E

2



SIGNING LEGEND

- EXISTING SIGN ON VARIED POST(S)
- EXISTING SIGN ON LIGHT/SIGNAL POLE
- PROPOSED SIGN ON STEEL POST(S)
- PROPOSED SIGN ON LIGHT/SIGNAL POLE
- (X-X) DENOTES SIGN NUMBER
- * BAND TO TRAFFIC SIGNAL
- Δ SALVAGE POST

NOTES:

SIGNS PLATES WERE REPLACED IN 2020.

MOVE = REMOVE THE NEAREST EXISTING SIGN PLATE AND REINSTALL ON NEW STEEL POST(S).

INSTALL = INSTALL NEW SIGN PLATE ON NEW POST(S).

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	PERMANENT SIGNING	SHEET 144	E

FILE NAME : P:\UZ\W\WITNW\137959\FROM NWBE\SIGN CAD FILES\023201-PS.DWG
LAYOUT NAME - 5
PLOT DATE : 04/27/2021 9:15 AM
PLOT BY : ANNIE JEROME
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

MOVE
R2-1
24"X30"
SPEED LIMIT 25
6-1

MOVE
NO PARKING ANY TIME
6-2
R7-1D
18"X24"

WALNUT STREET

49+00

ONE-WAY

INSTALL *
6-10
Walnut St
M1-94H
78"X18"

MOVE
R7-1D
18"X24"
NO PARKING ANY TIME
6-6

INSTALL
R3-8A
36"X30"
ONLY
6-9

ALLEY

MATCH LINE STA 1276+25.00

1277+00

1278+00

1279+00

1280+00

MATCHLINE STA 1281+00.00

USH 63

INSTALL *
6-11
Walnut St
M1-94H
78"X18"

ONE-WAY

51+00

MOVE
6-4
NO PARKING ANY TIME
R7-1D
18"X24"

MOVE
6-5
SPEED LIMIT 25
R2-1
24"X30"

ALLEY

INSTALL
6-8
NO PARKING ANY TIME
R7-1D
18"X24"

SIGNING LEGEND

- EXISTING SIGN ON VARIED POST(S)
- EXISTING SIGN ON LIGHT/SIGNAL POLE
- PROPOSED SIGN ON STEEL POST(S)
- PROPOSED SIGN ON LIGHT/SIGNAL POLE
- (X-X) DENOTES SIGN NUMBER
- * BAND TO TRAFFIC SIGNAL
- Δ SALVAGE POST

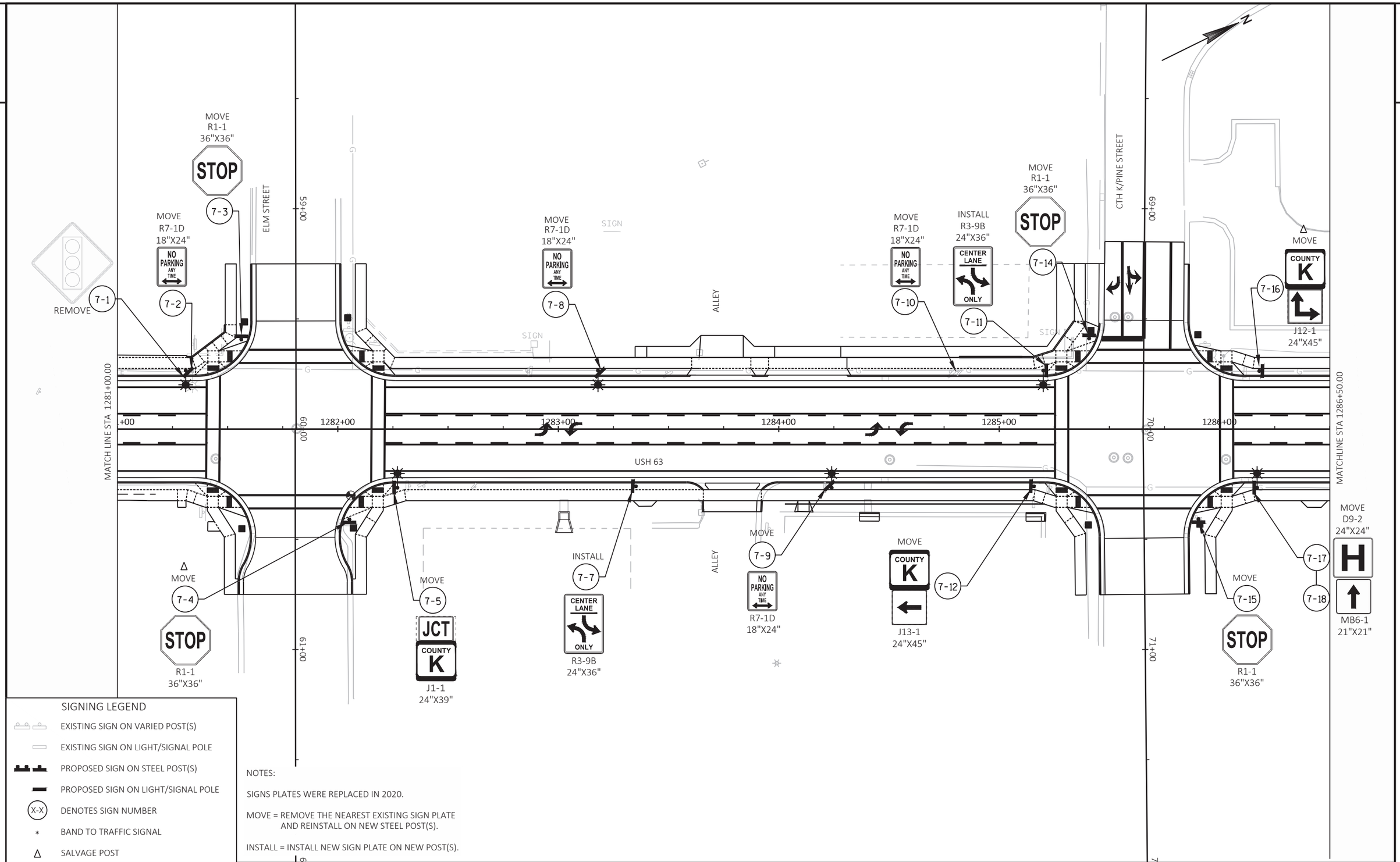
NOTES:

SIGNS PLATES WERE REPLACED IN 2020.

MOVE = REMOVE THE NEAREST EXISTING SIGN PLATE AND REINSTALL ON NEW STEEL POST(S).

INSTALL = INSTALL NEW SIGN PLATE ON NEW POST(S).

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	PERMANENT SIGNING	SHEET 145	E



SIGNING LEGEND

- EXISTING SIGN ON VARIED POST(S)
- EXISTING SIGN ON LIGHT/SIGNAL POLE
- PROPOSED SIGN ON STEEL POST(S)
- PROPOSED SIGN ON LIGHT/SIGNAL POLE
- (X-X) DENOTES SIGN NUMBER
- * BAND TO TRAFFIC SIGNAL
- Δ SALVAGE POST

NOTES:

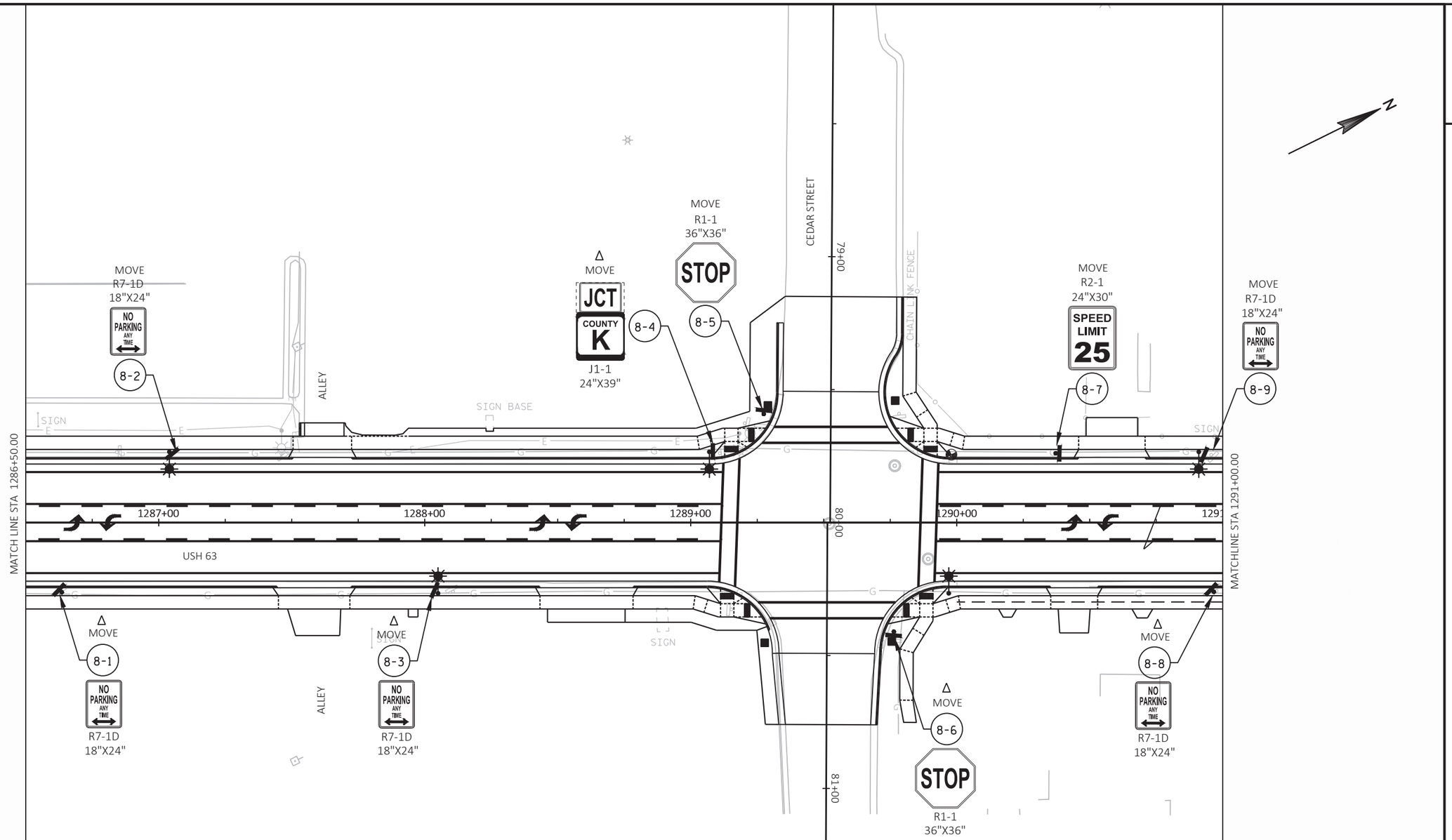
SIGNS PLATES WERE REPLACED IN 2020.

MOVE = REMOVE THE NEAREST EXISTING SIGN PLATE AND REINSTALL ON NEW STEEL POST(S).

INSTALL = INSTALL NEW SIGN PLATE ON NEW POST(S).

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	PERMANENT SIGNING	SHEET 146	E

2



SIGNING LEGEND

- EXISTING SIGN ON VARIED POST(S)
- EXISTING SIGN ON LIGHT/SIGNAL POLE
- PROPOSED SIGN ON STEEL POST(S)
- PROPOSED SIGN ON LIGHT/SIGNAL POLE
- (X-X) DENOTES SIGN NUMBER
- * BAND TO TRAFFIC SIGNAL
- Δ SALVAGE POST

NOTES:

SIGNS PLATES WERE REPLACED IN 2020.

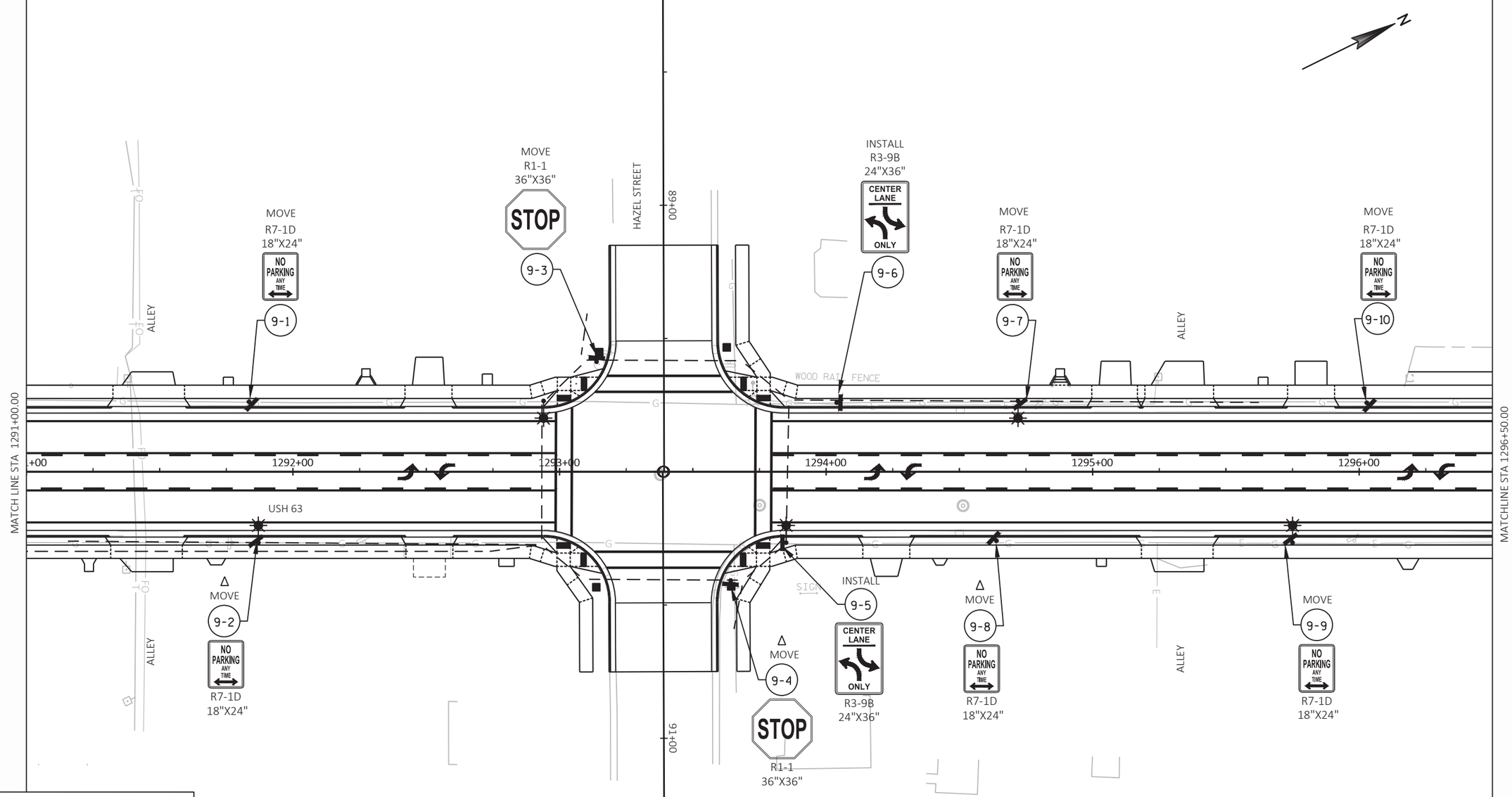
MOVE = REMOVE THE NEAREST EXISTING SIGN PLATE AND REINSTALL ON NEW STEEL POST(S).

INSTALL = INSTALL NEW SIGN PLATE ON NEW POST(S).

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	PERMANENT SIGNING	SHEET 147	E

FILE NAME : P:\UZ\W\WITNW\137959\FROM NWBE\SIGN CAD FILES\023201-PS.DWG
LAYOUT NAME - 8
PLOT DATE : 04/27/2021 9:15 AM
PLOT BY : ANNIE JEROME
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



SIGNING LEGEND

- EXISTING SIGN ON VARIED POST(S)
- EXISTING SIGN ON LIGHT/SIGNAL POLE
- PROPOSED SIGN ON STEEL POST(S)
- PROPOSED SIGN ON LIGHT/SIGNAL POLE
- (X-X) DENOTES SIGN NUMBER
- * BAND TO TRAFFIC SIGNAL
- Δ SALVAGE POST

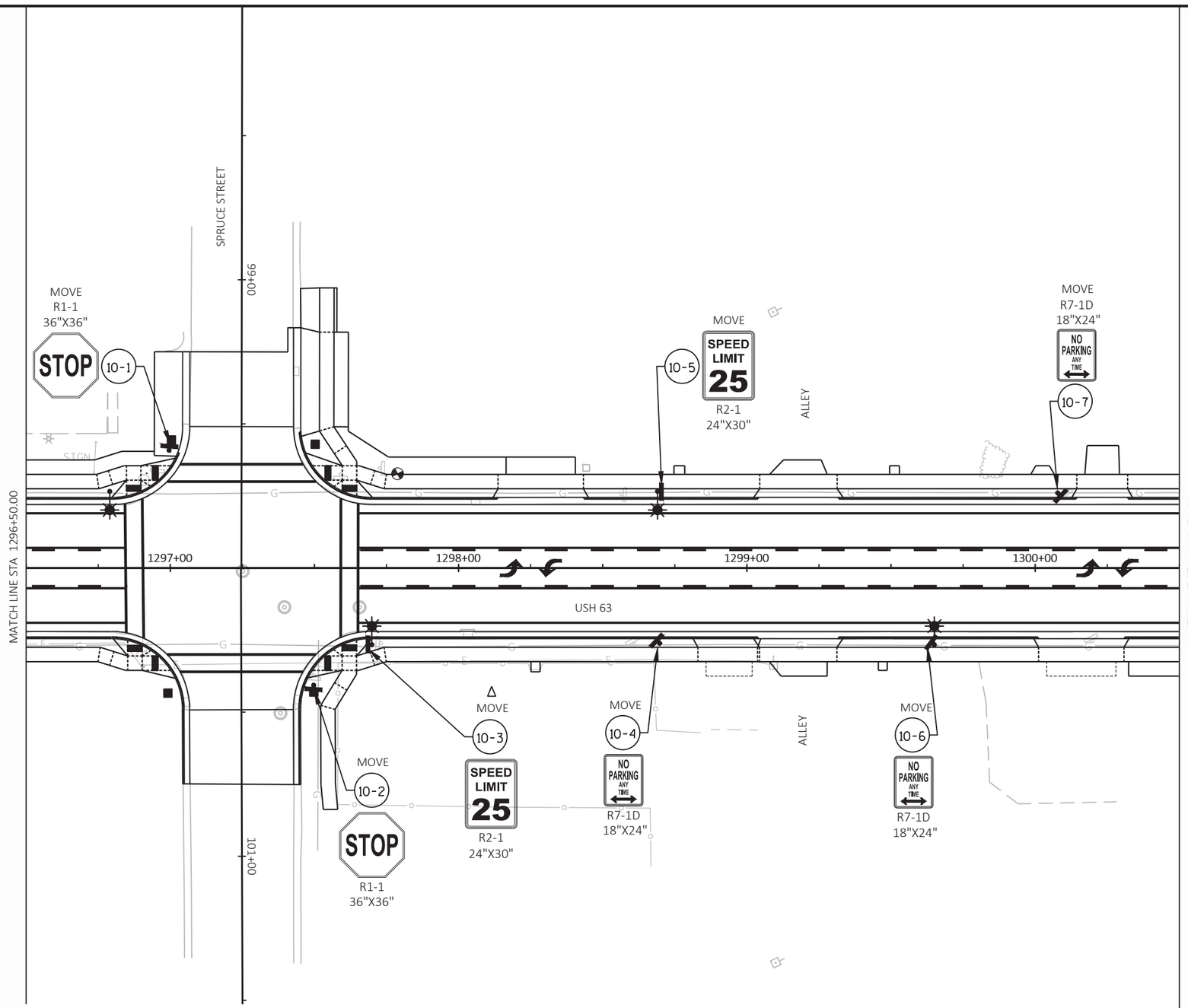
NOTES:

SIGNS PLATES WERE REPLACED IN 2020.

MOVE = REMOVE THE NEAREST EXISTING SIGN PLATE AND REINSTALL ON NEW STEEL POST(S).

INSTALL = INSTALL NEW SIGN PLATE ON NEW POST(S).

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	PERMANENT SIGNING	SHEET 148	E



SIGNING LEGEND

- EXISTING SIGN ON VARIED POST(S)
- EXISTING SIGN ON LIGHT/SIGNAL POLE
- PROPOSED SIGN ON STEEL POST(S)
- PROPOSED SIGN ON LIGHT/SIGNAL POLE
- (X-X) DENOTES SIGN NUMBER
- * BAND TO TRAFFIC SIGNAL
- Δ SALVAGE POST

NOTES:

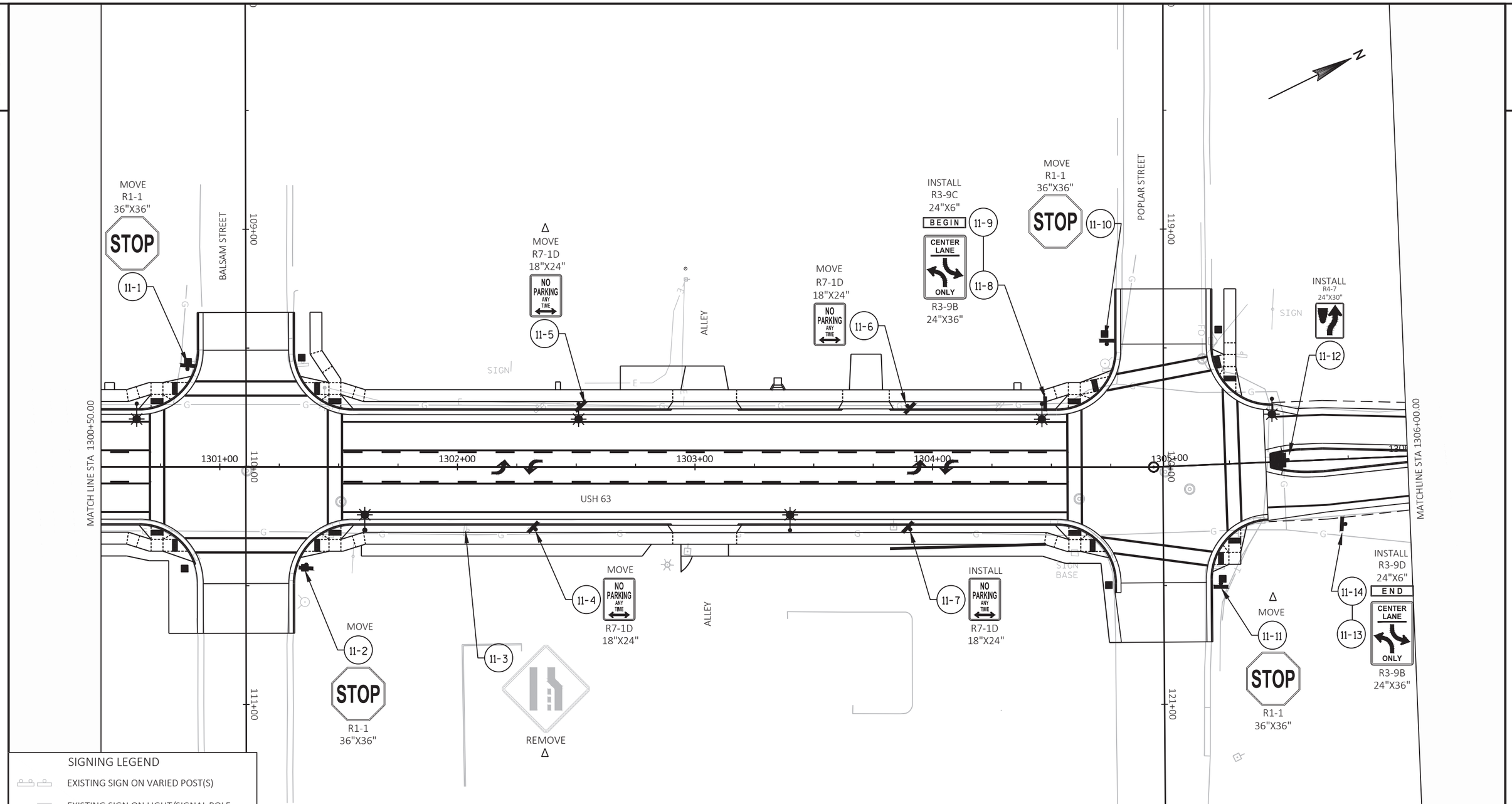
SIGNS PLATES WERE REPLACED IN 2020.

MOVE = REMOVE THE NEAREST EXISTING SIGN PLATE AND REINSTALL ON NEW STEEL POST(S).

INSTALL = INSTALL NEW SIGN PLATE ON NEW POST(S).

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	PERMANENT SIGNING	SHEET 149	E

2



SIGNING LEGEND

- EXISTING SIGN ON VARIED POST(S)
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- PROPOSED SIGN ON STEEL POST(S)
- PROPOSED SIGN ON LIGHT/SIGNAL POLE
- (X-X) DENOTES SIGN NUMBER
- * BAND TO TRAFFIC SIGNAL
- Δ SALVAGE POST

NOTES:

SIGNS PLATES WERE REPLACED IN 2020.

MOVE = REMOVE THE NEAREST EXISTING SIGN PLATE AND REINSTALL ON NEW STEEL POST(S).

INSTALL = INSTALL NEW SIGN PLATE ON NEW POST(S).

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	PERMANENT SIGNING	SHEET 150	E

FILE NAME : P:\UZ\W\WITNW\137959\FROM NWBE\SIGN CAD FILES\023201-PS.DWG
LAYOUT NAME - 11
PLOT DATE : 04/27/2021 9:15 AM
PLOT BY : ANNIE JEROME
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

MATCH LINE STA 1306+00.00

1307+00

1308+00

1309+00

1310+00

1311+00

1312+00

USH 63

NEW COMMERCIAL ENTRANCE

FIRE STATION ENTRANCE

Δ
MOVE
R2-1
24"X30"
SPEED LIMIT 25
12-2

MOVE
TOURIST INFORMATION 1/2 MILE
12-3

Δ
MOVE
12-1
SPEED LIMIT 55
R2-1
24"X30"

Δ
MOVE
12-4
Hayward 25
D2-3
SIZE-TBD

END PROJECT
STA 1310+68.73

SIGNING LEGEND

- EXISTING SIGN ON VARIED POST(S)
- EXISTING SIGN ON LIGHT/SIGNAL POLE
- PROPOSED SIGN ON STEEL POST(S)
- PROPOSED SIGN ON LIGHT/SIGNAL POLE
- (X-X) DENOTES SIGN NUMBER
- * BAND TO TRAFFIC SIGNAL
- Δ SALVAGE POST

NOTES:

SIGNS PLATES WERE REPLACED IN 2020.

MOVE = REMOVE THE NEAREST EXISTING SIGN PLATE AND REINSTALL ON NEW STEEL POST(S).

INSTALL = INSTALL NEW SIGN PLATE ON NEW POST(S).

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	PERMANENT SIGNING	SHEET 151	E

FILE NAME : P:\UZ\W\WITNW\137959\FROM NWBE\SIGN CAD FILES\023201-PS.DWG
LAYOUT NAME - 12

PLOT DATE : 04/27/2021 9:15 AM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

SIGNING LEGEND

- EXISTING SIGN ON VARIED POST(S)
- EXISTING SIGN ON LIGHT/SIGNAL POLE
- PROPOSED SIGN ON STEEL POST(S)
- PROPOSED SIGN ON LIGHT/SIGNAL POLE
- (X-X) DENOTES SIGN NUMBER
- * BAND TO TRAFFIC SIGNAL
- Δ SALVAGE POST

NOTES:

SIGNS PLATES WERE REPLACED IN 2020.

MOVE = REMOVE THE NEAREST EXISTING SIGN PLATE AND REINSTALL ON NEW STEEL POST(S).

INSTALL = INSTALL NEW SIGN PLATE ON NEW POST(S).

2

N

D1-3
78"X42"
Siren
Shell Lake
Superior
70-3

R7-1D
18"X24"
NO PARKING ANY TIME
70-2

D9-2
24"X24"
H
70-4
70-5
MB6-1
21"X21"

R3-8A
36"X30"
ONLY
70-11

R7-1D
18"X24"
NO PARKING ANY TIME
70-12

N. FRONT STREET

W3-3
36"X36"
70-18

D7-59R
54"X36"
TOURIST INFORMATION
70-21

R7-1D
18"X24"
NO PARKING ANY TIME
70-22

TO REMAIN INPLACE

J1-1
24"X39"
JCT
63
70-23

R3-9C
24"X6"
BEGIN
CENTER LANE
ONLY
70-28
R3-9B
24"X36"
70-27

R7-1D
18"X24"
NO PARKING ANY TIME
70-29

R2-1
24"X30"
SPEED LIMIT
25
70-30

ROUNDHOUSE ROAD

STH 70

11+00 12+00 13+00

STH 70

70-1
EAST
70
J1-1
24"X39"

70-7
SPEED LIMIT
25
R2-1
24"X30"

70-6
NO PARKING ANY TIME
R7-1D
18"X24"

70-32
R3-2
24"X24"

R3-9C
24"X6"
BEGIN
CENTER LANE
ONLY
R3-9B
24"X36"
70-9
70-8

70-13
REMOVE
HERITAGE

70-14
Wild Rivers Trail Parking
SPECIAL
66"X36"

70-15
Wild Rivers Trail Parking
SPECIAL
66"X36"

70-16
REMOVE

70-17
W3-3
36"X36"

70-19
NO PARKING ANY TIME
R7-1D
18"X24"

WILD RIVER STATE TRAIL

S. FRONT STREET

R3-9D
24"X6"
END
CENTER LANE
ONLY
R3-9B
24"X36"
70-24
70-25

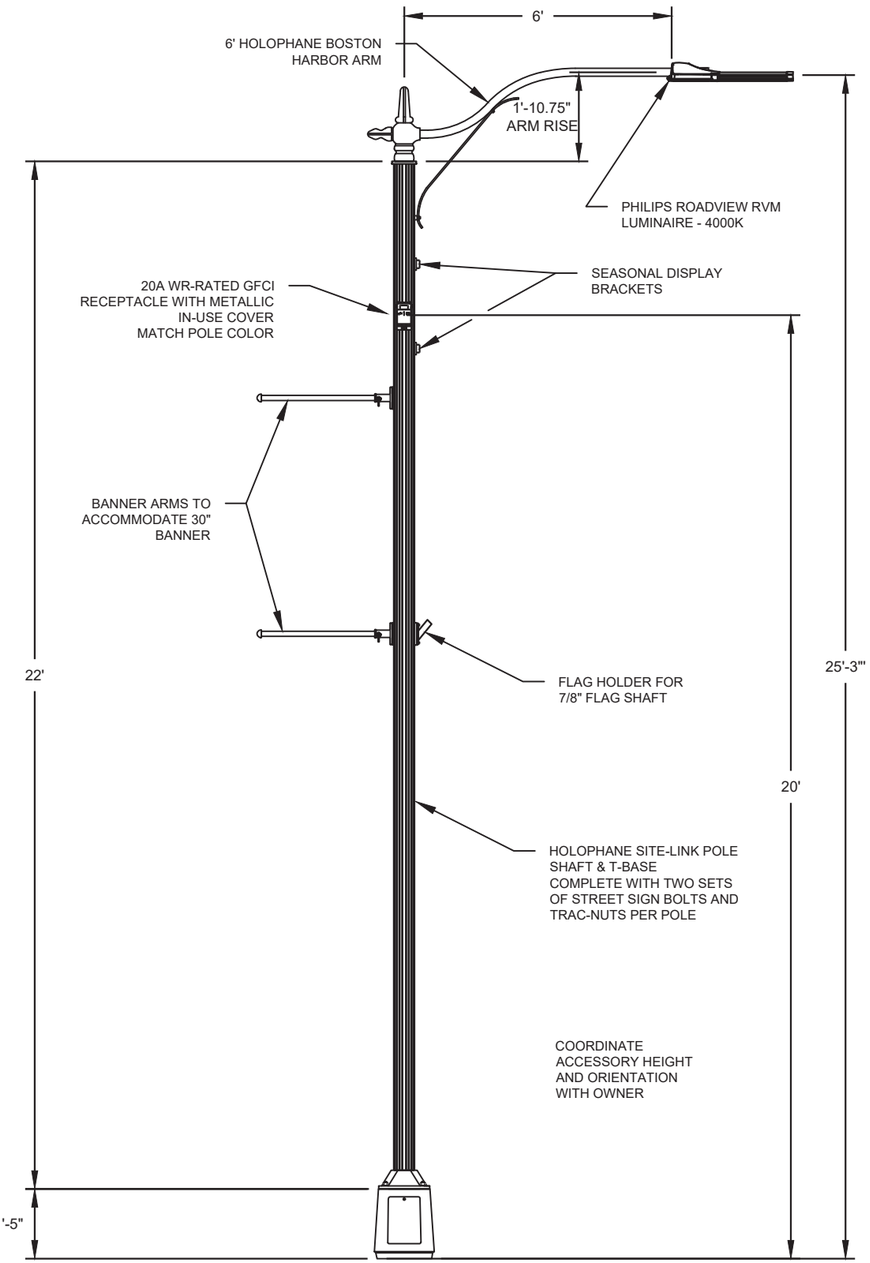
70-26
NO PARKING ANY TIME
R7-1D
18"X24"

70-31
SPEED LIMIT
40
R2-1
24"X30"

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	PERMANENT SIGNING	SHEET 152	E

EQUIPMENT SCHEDULE

SYMBOL	DESCRIPTION	LAMP SOURCE	MOUNTING	OPTICS	MANUFACTURER & SERIES #
✳	LIGHTING UNIT TYPE SPECIAL LED LUMINAIRE ON DECORATIVE ARM AND FLUTED SITELINK POLE SHAFT MOUNTED ON ALUMINUM T-BASE. POLE ACCESSORIES INCLUDE A 20A WR-RATED GFCI RECEPTACLE AND METALLIC IN-USE COVER, SEASONAL DISPLAY BRACKETS, FLAG HOLDER, BANNER ARMS, AND SIGN BOLTS & TRAC NUTS..	119 WATT LED 4000K	22' POLE WITH T-BASE ON CONCRETE BASE TYPE SPECIAL	TYPE III	SIGNIFY - LUMINAIRE: RVM-125W112LED4K-G2-LE3-UNV-DMG-FAWS-RAL 6005 AT 40% GLOSS HOLOPHANE - POLE: SLA-22-SL5-SB-C05-GN-LAB-FGIUS-GN ARM: BHC-72IN-1A-BO-SL5-GN SEASONAL DISPLAY BRACKET: (2) PER POLE BANNER ARMS: (2) BA-33-1A-BO-SL5-BL-075P-GN FLAG HOLDER: FPH-1F-BO-SL5-100P-GN TRANSFORMER BASE: SLTB1-17SL5-GN SIGN BOLTS AND TRAC NUTS: (2) SETS PER POLE



LIGHTING UNIT TYPE SPECIAL DETAIL

2

GENERAL NOTES:

BASES SHALL BE EXCAVATED BY USE OF A CIRCULAR AUGER EXCEPT WHEN EXCAVATING WITHIN 18-INCHES OF UNDERGROUND UTILITIES. WHEN EXCAVATING WITHIN 18-INCHES OF UTILITIES THE BASE SHALL BE DUG BY HAND.

TOP SURFACES OF CONCRETE BASES SHALL BE TROWEL FINISHED AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE AS 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 AT THE ENTRANCE OF THE BASE.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 2 INCHES. 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 NONMETALLIC 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 OF CABLE OR WIRE.

ENDS OF CONDUIT INSTALLED BELOW GRADE FOR FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC.

WHEN REQUIRED TO CONNECT NONMETALLIC 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).

THE EQUIPMENT GROUNDING CONDUCTOR SHALL ENTER THE BASE 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.

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 BY THE ENGINEER.

(2) ANCHOR RODS BY POLE SUPPLIER. TWO GALVANIZED HEX NUTS & WASHERS PER ANCHOR BOLT.

(3) (6) NO. 4 X 4'-8" BAR STEEL REINFORCEMENT.

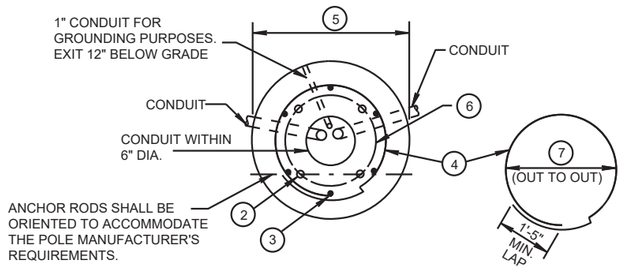
(4) (5) NO. 4 X 6'-2" BAR STEEL REINFORCEMENT @ 1'-0" C-C.

(5) 24".

(6) BOLT CIRCLE PER POLE MANUFACTURER'S REQUIREMENTS.

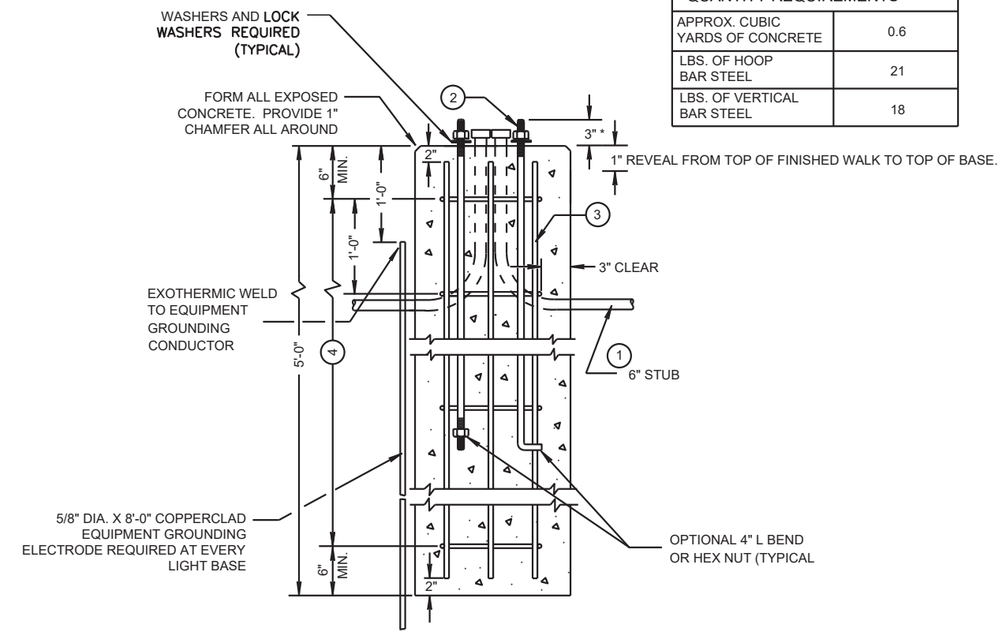
(7) DIAMETER SIZE TO CONTAIN ANCHOR BOLTS.

BOLT CIRCLE SHALL BE PERFECTLY CENTERED IN CONCRETE BASE. ANY BASE THAT FAILS TO MEET THIS REQUIREMENT SHALL BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.

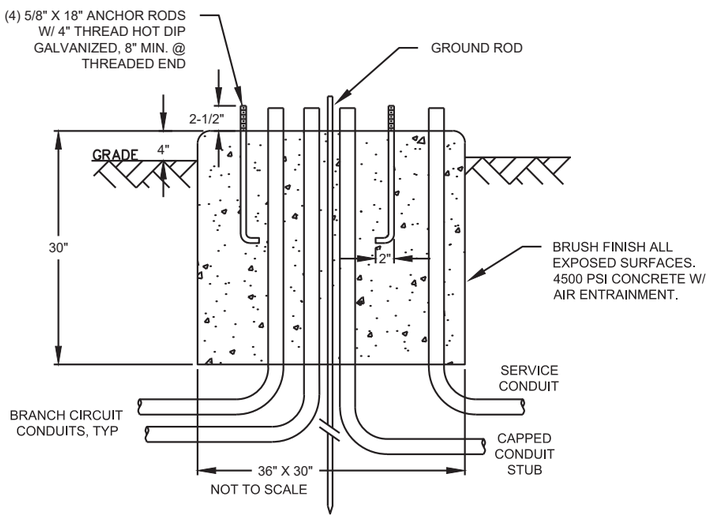


*ANCHOR ROD PROJECTION SHALL BE PER MANUFACTURERS REQUIREMENTS.

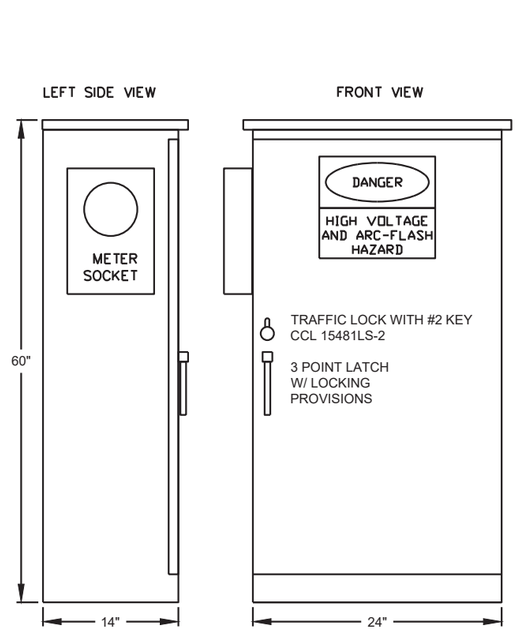
QUANTITY REQUIREMENTS	
APPROX. CUBIC YARDS OF CONCRETE	0.6
LBS. OF HOOP BAR STEEL	21
LBS. OF VERTICAL BAR STEEL	18

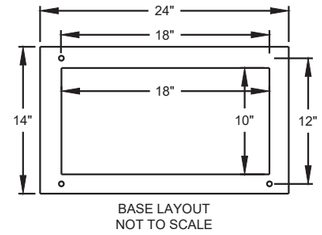


CONCRETE BASE TYPE SPECIAL



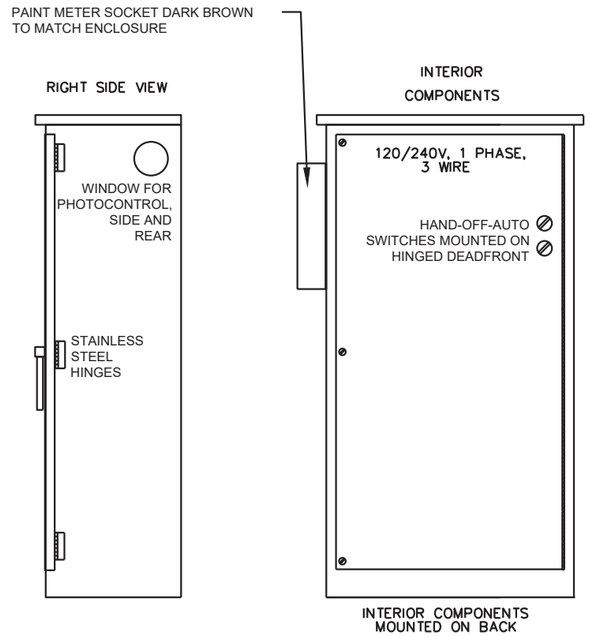
CONCRETE CONTROL CABINET BASE TYPE SPECIAL





CABINET CONSTRUCTION

-NEMA 3R
-INTERIOR COMPONENTS MOUNTED ON BACK PANEL BEHIND DEAD FRONT
-1/8" ANODIZED ALUMINUM (DURANODIC 314, DARK BRONZE)
-NEOPRENE GASKETED DOORS
-STAINLESS STEEL HARDWARE
-ETL LISTED IN ACCORDANCE WITH UL508A



SERVICE CABINET NOTES:

A. PROVIDE METER SOCKET PER UTILITY COMPANY REQUIREMENTS.

B. CIRCUIT BREAKERS SHALL BE 120/240 VOLT AC, 60Hz AND SHALL BE CLEARLY MARKED WITH THE "ON" AND "OFF" POSITIONS AND IDENTIFIED WITH THE LOAD WHICH IT IS CARRYING.

C. SHORT CIRCUIT RATING - 22,000 AIC SYMMETRICAL.

D. 3-POSITION SELECTOR SWITCH ALLEN BRADLEY #800T-J2A.

E. CIRCUIT CONTACTORS SHALL HAVE A 240 VOLT RATING, WITH 120 VOLT COIL.

F. PROVIDE PANEL WITH DIMENSIONS AS REQUIRED TO FIT EQUIPMENT PROPOSED.

G. PROVIDE 50KA SURGE PROTECTOR.

H. PROVIDE A 25-OHM GROUND AT CABINET AS PER NEC.

I. TIME CLOCK SHALL BE NEMA 3R WITH A CAPACITOR BACK-UP, AUTOMATIC DAYLIGHT SAVINGS TIME, AND LEAP YEAR ADJUSTMENTS. TORK, MODEL E101B.

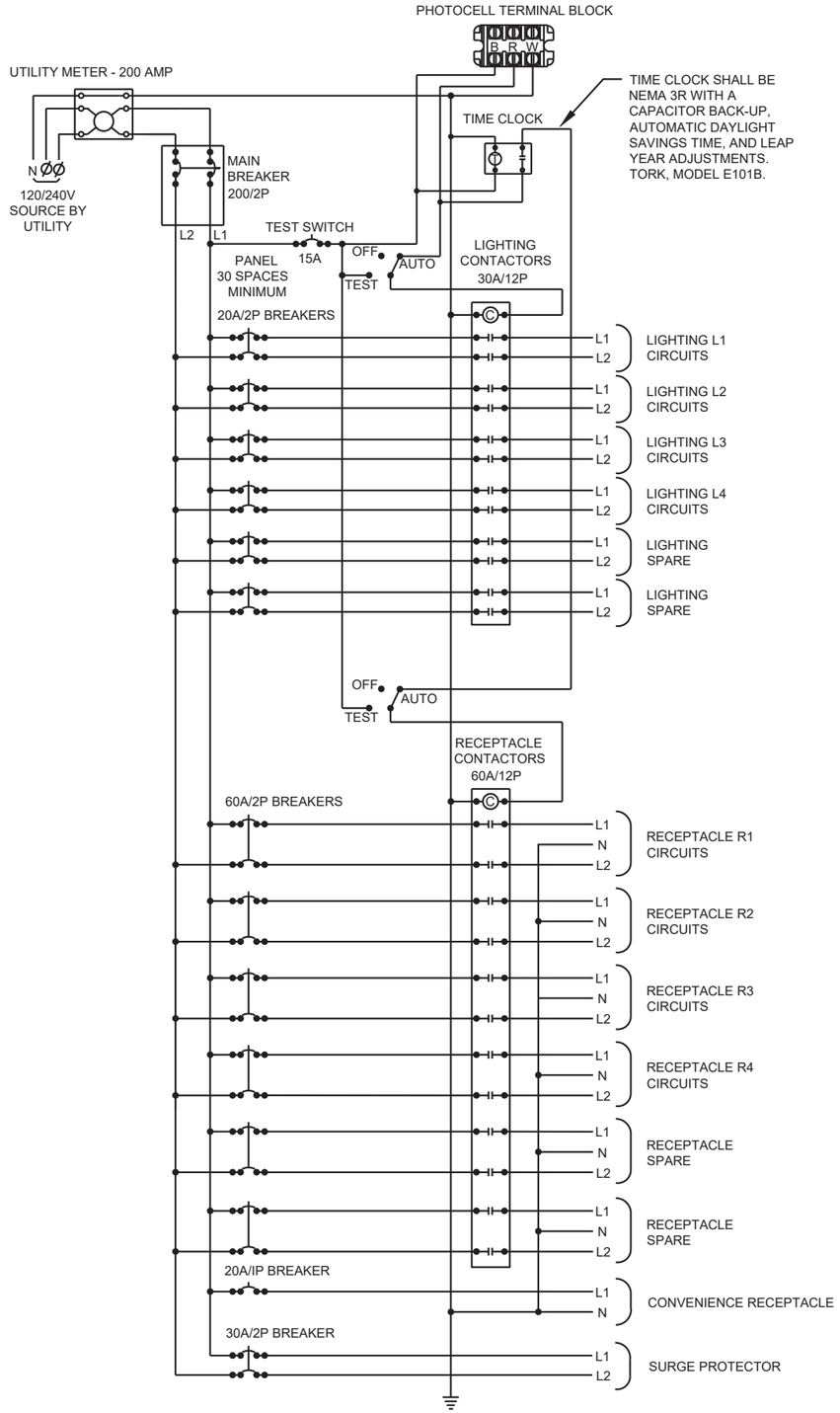
J. PROVIDE 20A WR-RATED GFCI RECEPTACLE MOUNTED TO CABINET DEAD-FRONT.

K. BOTH PHOTOCONTROL AND ITS SOCKET SHALL BE 3 TERMINAL, POLARIZED, TWIST-LOCK TYPE. IT SHALL BE EQUIPPED WITH A MOVRO TYPE LIGHTNING ARRESTER.

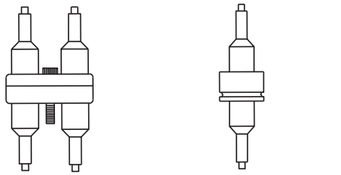
L. CABINET SHALL BE MANUFACTURED BY POVOLNY SPECIALTIES INC. 651.452.7335.

M. COORDINATE SERVICE CONNECTION WITH GARY JOHNSON AT SPOONER UTILITIES, 715-635-8583.

LIGHTING CONTROL CABINET TYPE SPECIAL DETAILS

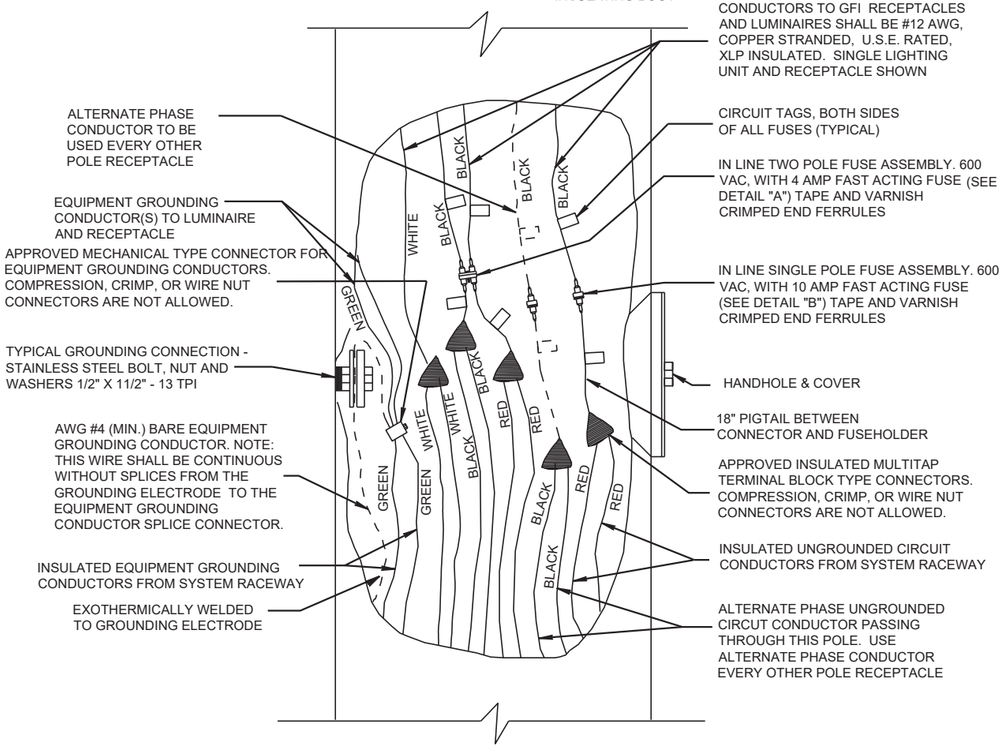


LIGHTING CONTROL CABINET SCHEMATIC



DETAIL "A"
BREAKAWAY DOUBLE POLE
WITH WATERPROOF
INSULATING BOOT

DETAIL "B"
BREAKAWAY
SINGLE POLE WITH
WATERPROOF
INSULATING BOOT



2 WIRE - 240 VAC (UNGROUNDED CONDUCTOR)
FOR LIGHTING
AND
3 WIRE - 120 VAC (UNGROUNDED CONDUCTOR)
WITH GROUNDED CONDUCTOR AND
WITH EQUIPMENT GROUNDING CONDUCTOR
FOR GFI RECEPTACLES

NOTE: REFER TO S.D.D. "NON-FREEWAY LIGHTING UNIT POLE WIRING" FOR FUSING INFORMATION

2

2

BEGIN CONSTRUCTION
STA 8+53.00

N

MATCHLINE STA 1260+50.00

MATCHLINE STA 1265+50.00

STH 70

USH 63

ALLEY

1261+00

1262+00

1263+00

1264+00

1265+00

9+00

10+00

11+00

X-21

3

SIGN

FILLER CAPS

CANOPY

CONC

ASPH

GAR

HSE

WOOD FENCE

AMERICAN INSURANCE

A/C

WOOD/ LANDSCAPE

PLANTER

SAW THIS

S BAR

SIGN/ BOLLARDS

COLDWELL BANKER REALTY

POST

SIGN/ PLANTER

SDWK

TOURIST INFORMATION CENTER

DONALDS

MH

PROTECT EXISTING LIGHTING UNIT DURING CONSTRUCTION

END CONSTRUCTION
STA 11+10.00

KEY NOTES: (#)

1. REMOVE CABLES, CONDUIT, AND PULLBOXES (INCIDENTAL UNLESS OTHERWISE NOTED).
2. REMOVE LIGHTING UNIT AND CONCRETE BASE.
3. SALVAGE AND/OR DISPOSE OF LIGHTING UNIT EQUIPMENT, AND REMOVE CONCRETE BASE.

LEGEND

- EXISTING LIGHTING UNIT
- EXISTING CIRCUIT IN CONDUIT
- EXISTING CONCRETE BASE
- EXISTING PULL BOX

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	REMOVAL LIGHTING PLAN	SHEET 157	E

2

2

N

VINE STREET

ASH STREET

ALLEY

BEGIN CONSTRUCTION
STA 19+25.00

BEGIN CONSTRUCTION
STA 29+25.00

END CONSTRUCTION
STA 20+85.00

END CONSTRUCTION
STA 30+85.00

HSE

EDINA REALITY

TIME FOR ME HAIR SALON

SHELL LAKE STATE BANK

ROBERT ATTORNEY

NICK'S FAMILY RESTAURANT

ACE HARDWARE

USH 63

MATCHLINE STA 1265+50.00

MATCHLINE STA 1271+00.00

1266+00 1267+00 1268+00 1269+00 1270+00

19+00 20+00 21+00 29+00 30+00 31+00

X-1 X-2

KEY NOTES: (#)

1. REMOVE CABLES, CONDUIT, AND PULLBOXES (INCIDENTAL UNLESS OTHERWISE NOTED).
2. REMOVE LIGHTING UNIT AND CONCRETE BASE.
3. SALVAGE AND/OR DISPOSE OF LIGHTING UNIT EQUIPMENT, AND REMOVE CONCRETE BASE.

LEGEND

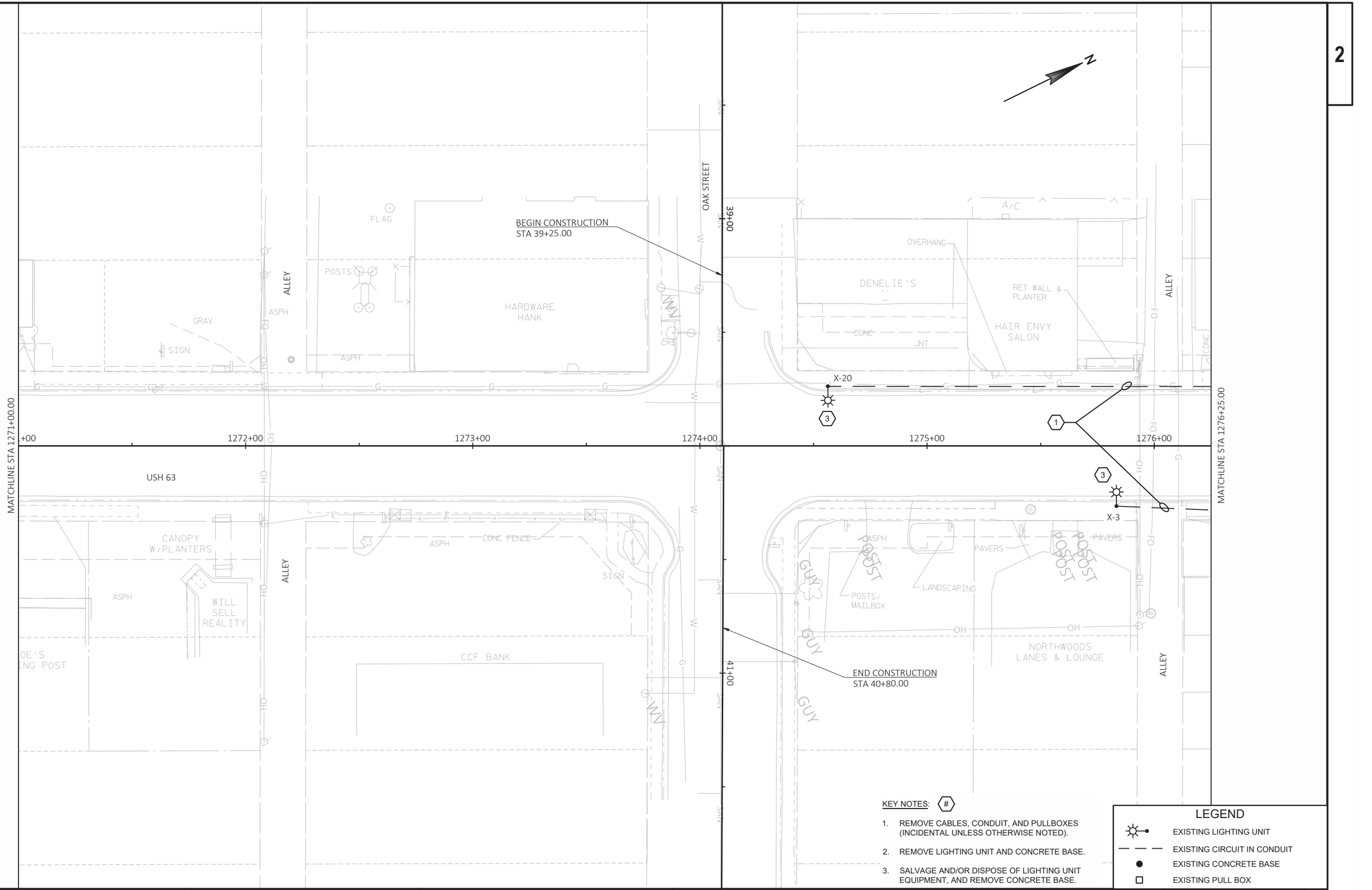
- EXISTING LIGHTING UNIT
- EXISTING CIRCUIT IN CONDUIT
- EXISTING CONCRETE BASE
- EXISTING PULL BOX

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	REMOVAL LIGHTING PLAN	SHEET 158	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\023501 LP - REMOVALS.DWG
LAYOUT NAME - 4

PLOT DATE : 7/30/2021 6:33 AM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:40 FT

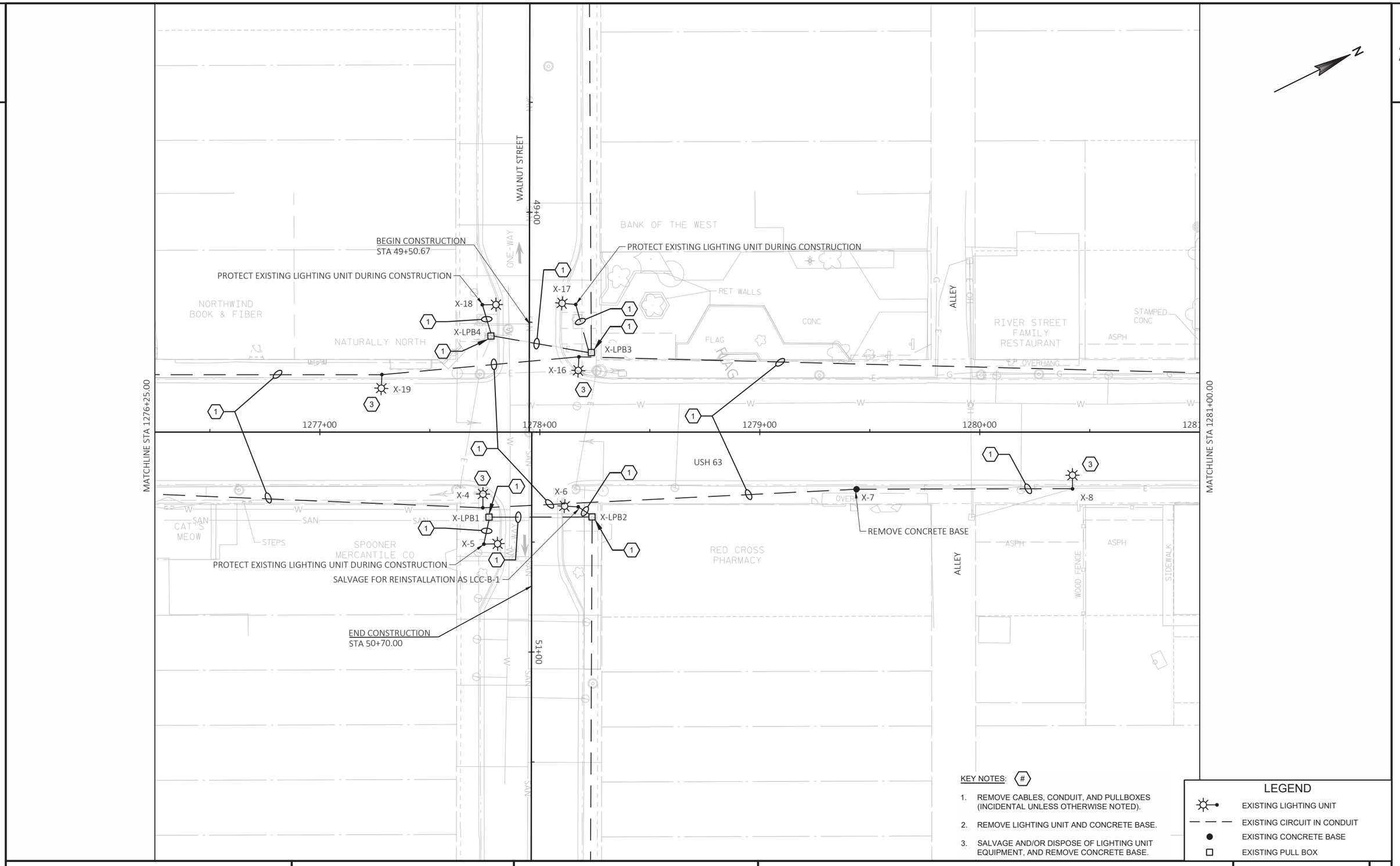
2



PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	REMOVAL LIGHTING PLAN	SHEET 159 E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\023501 LP - REMOVALS.DWG
LAYOUT NAME - 5
PLOT DATE : 7/30/2021 6:33 AM
PLOT BY : ANNIE JEROME
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



KEY NOTES: (#)

1. REMOVE CABLES, CONDUIT, AND PULLBOXES (INCIDENTAL UNLESS OTHERWISE NOTED).
2. REMOVE LIGHTING UNIT AND CONCRETE BASE.
3. SALVAGE AND/OR DISPOSE OF LIGHTING UNIT EQUIPMENT, AND REMOVE CONCRETE BASE.

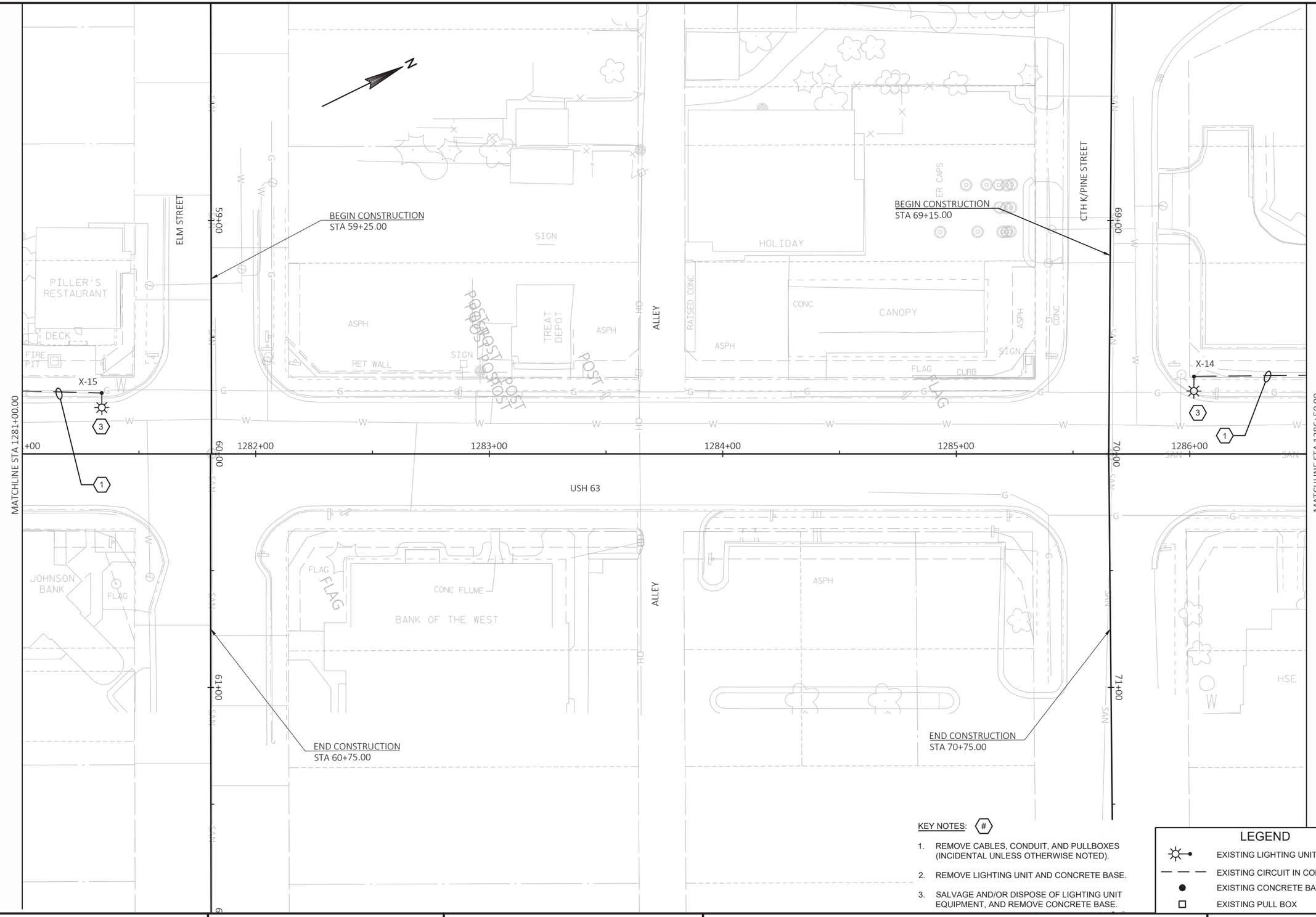
LEGEND

- EXISTING LIGHTING UNIT
- EXISTING CIRCUIT IN CONDUIT
- EXISTING CONCRETE BASE
- EXISTING PULL BOX

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	REMOVAL LIGHTING PLAN	SHEET 160	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\023501 LP - REMOVALS.DWG
LAYOUT NAME - 6
PLOT DATE : 7/30/2021 6:34 AM
PLOT BY : ANNIE JEROME
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



KEY NOTES: (#)

1. REMOVE CABLES, CONDUIT, AND PULLBOXES (INCIDENTAL UNLESS OTHERWISE NOTED).
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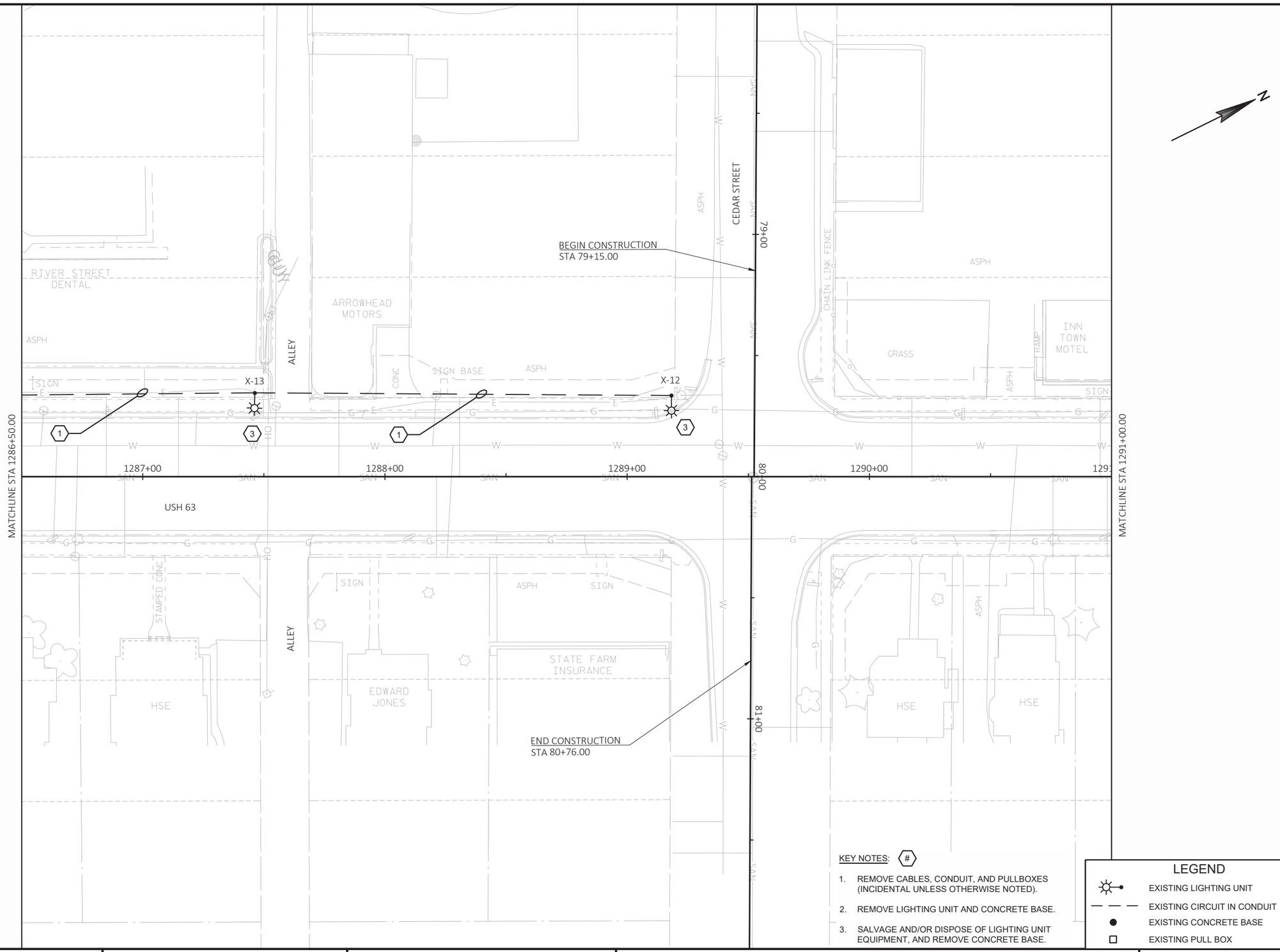
LEGEND

- EXISTING LIGHTING UNIT
- EXISTING CIRCUIT IN CONDUIT
- EXISTING CONCRETE BASE
- EXISTING PULL BOX

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	REMOVAL LIGHTING PLAN	SHEET 161	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\023501 LP - REMOVALS.DWG
LAYOUT NAME - 7
PLOT DATE : 7/30/2021 6:34 AM
PLOT BY : ANNIE JEROME
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



KEY NOTES: (#)

1. REMOVE CABLES, CONDUIT, AND PULLBOXES (INCIDENTAL UNLESS OTHERWISE NOTED).
2. REMOVE LIGHTING UNIT AND CONCRETE BASE.
3. SALVAGE AND/OR DISPOSE OF LIGHTING UNIT EQUIPMENT, AND REMOVE CONCRETE BASE.

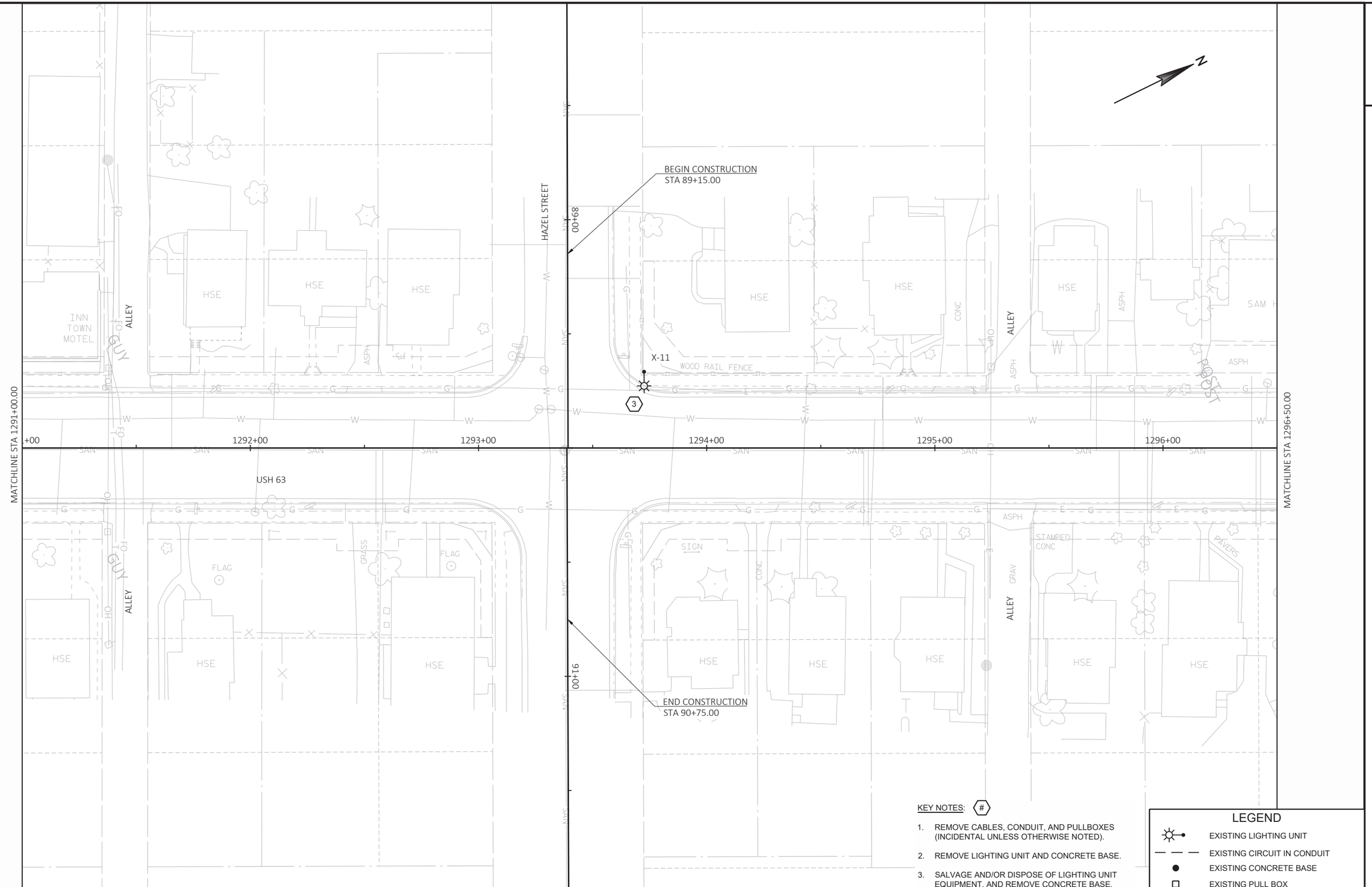
LEGEND

- EXISTING LIGHTING UNIT
- EXISTING CIRCUIT IN CONDUIT
- EXISTING CONCRETE BASE
- EXISTING PULL BOX

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	REMOVAL LIGHTING PLAN	SHEET 162	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\023501 LP - REMOVALS.DWG
LAYOUT NAME - 8
PLOT DATE : 7/30/2021 6:35 AM
PLOT BY : ANNIE JEROME
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



KEY NOTES: (#)

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2. REMOVE LIGHTING UNIT AND CONCRETE BASE.
3. SALVAGE AND/OR DISPOSE OF LIGHTING UNIT EQUIPMENT, AND REMOVE CONCRETE BASE.

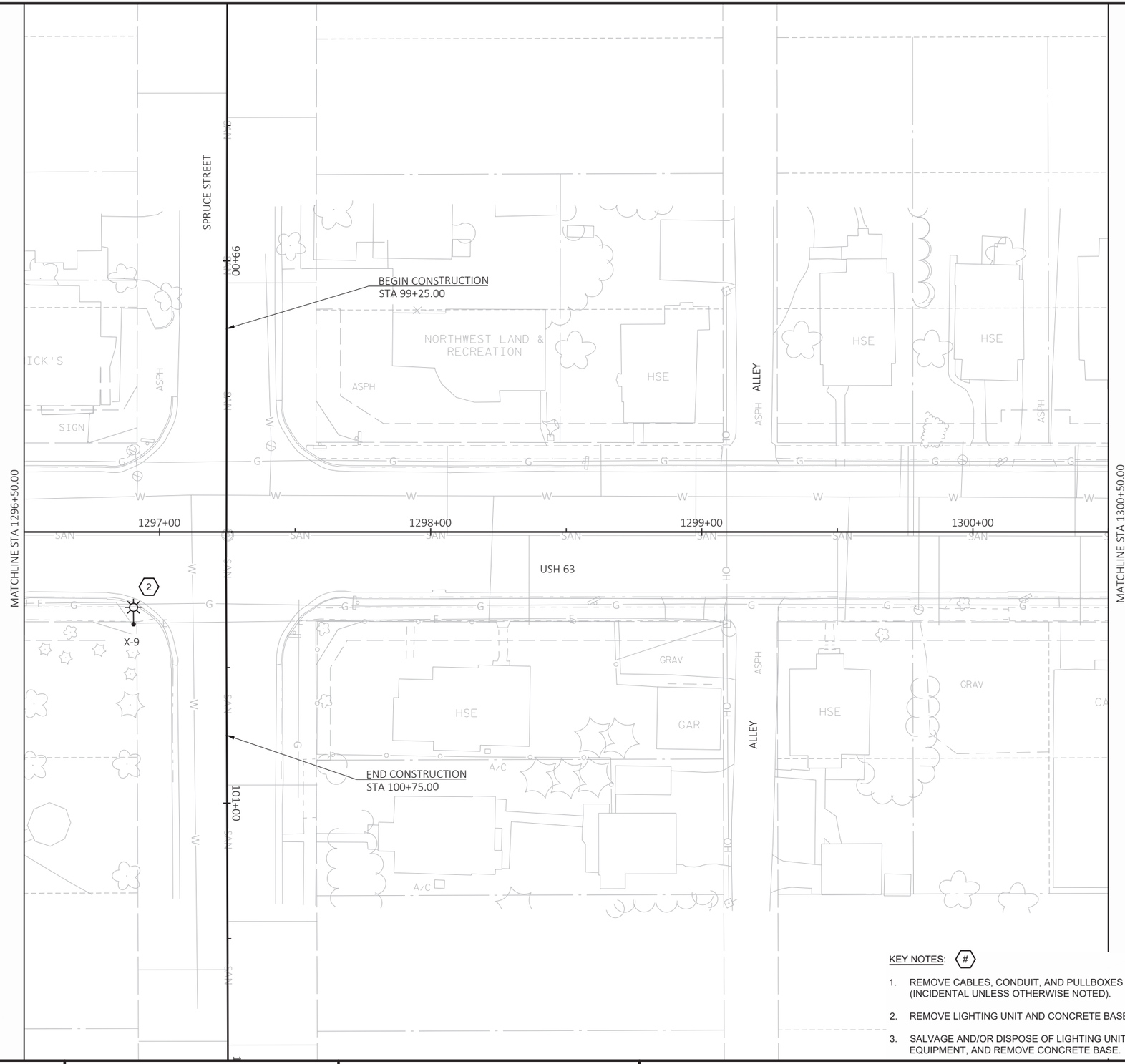
LEGEND

- EXISTING LIGHTING UNIT
- EXISTING CIRCUIT IN CONDUIT
- EXISTING CONCRETE BASE
- EXISTING PULL BOX

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	REMOVAL LIGHTING PLAN	SHEET 163 E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\023501 LP - REMOVALS.DWG
LAYOUT NAME - 9
PLOT DATE : 7/30/2021 6:35 AM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



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2. REMOVE LIGHTING UNIT AND CONCRETE BASE.
3. SALVAGE AND/OR DISPOSE OF LIGHTING UNIT EQUIPMENT, AND REMOVE CONCRETE BASE.

LEGEND

- EXISTING LIGHTING UNIT
- EXISTING CIRCUIT IN CONDUIT
- EXISTING CONCRETE BASE
- EXISTING PULL BOX

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	REMOVAL LIGHTING PLAN	SHEET 164	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\023501 LP - REMOVALS.DWG
LAYOUT NAME - 10
PLOT DATE : 7/30/2021 6:36 AM
PLOT BY : ANNIE JEROME
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

BEGIN CONSTRUCTION
STA 109+35.00

BEGIN CONSTRUCTION
STA 119+25.18

END CONSTRUCTION
STA 110+70.00

END CONSTRUCTION
STA 120+73.83

BALSAM STREET

POPLAR STREET

ALLEY

ALLEY

USH 63

MATCHLINE STA 1300+50.00

MATCHLINE STA 1306+00.00

1301+00 1302+00 1303+00 1304+00 1305+00

109+00 110+00 111+00 119+00 120+00 121+00

X-10

3

HSE ALLEY CATS SHED GAR A/C T ASPH SIGN CONC GRAV SIGN

HSE HSE HSE HSE

ASPH ROCK ASPH SIGN BASE

CORNERSTONE CHURCH A/C

BLD VACANT A/C

ASPH SIGN HSE ASPH GRAV

KEY NOTES: (#)

1. REMOVE CABLES, CONDUIT, AND PULLBOXES (INCIDENTAL UNLESS OTHERWISE NOTED).
2. REMOVE LIGHTING UNIT AND CONCRETE BASE.
3. SALVAGE AND/OR DISPOSE OF LIGHTING UNIT EQUIPMENT, AND REMOVE CONCRETE BASE.

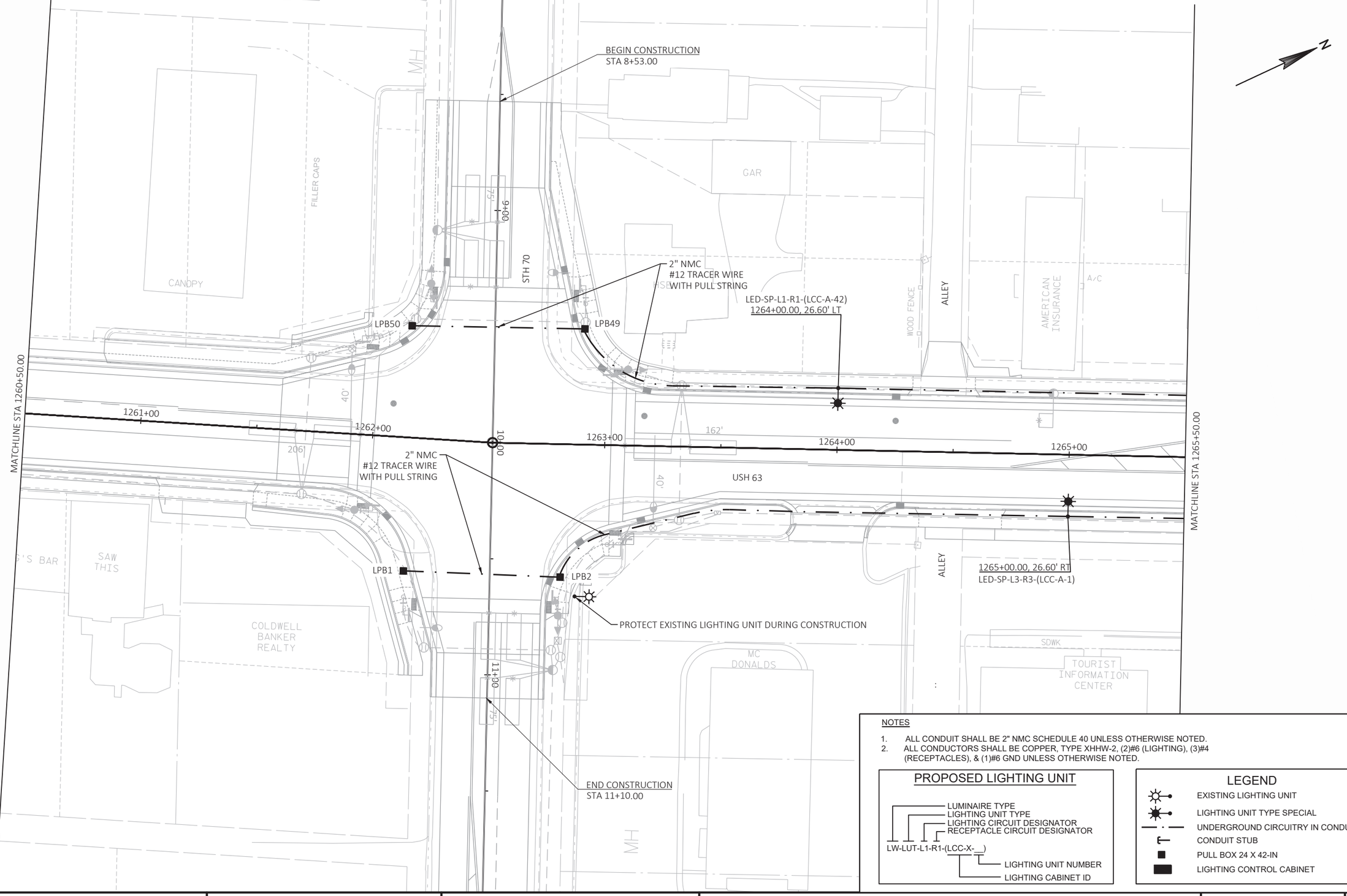
LEGEND

- EXISTING LIGHTING UNIT
- EXISTING CIRCUIT IN CONDUIT
- EXISTING CONCRETE BASE
- EXISTING PULL BOX

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	REMOVAL LIGHTING PLAN	SHEET 165	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\023501 LP - REMOVALS.DWG
LAYOUT NAME - 11
PLOT DATE : 7/30/2021 6:36 AM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



NOTES

1. ALL CONDUIT SHALL BE 2" NMC SCHEDULE 40 UNLESS OTHERWISE NOTED.
2. ALL CONDUCTORS SHALL BE COPPER, TYPE XHHW-2, (2)#6 (LIGHTING), (3)#4 (RECEPTACLES), & (1)#6 GND UNLESS OTHERWISE NOTED.

PROPOSED LIGHTING UNIT

LW-LUT-L1-R1-(LCC-X-__)

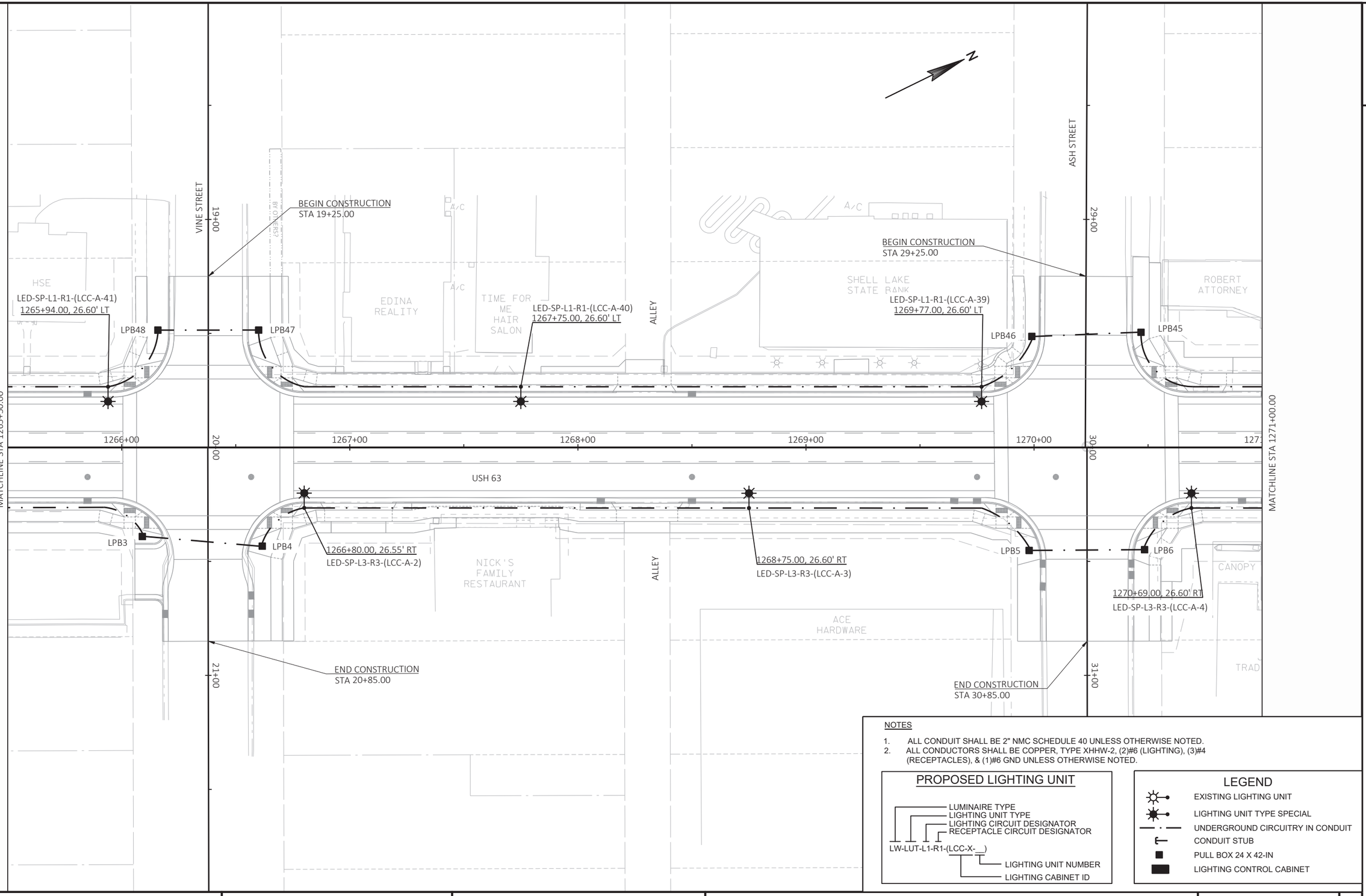
- LUMINAIRE TYPE
- LIGHTING UNIT TYPE
- LIGHTING CIRCUIT DESIGNATOR
- RECEPTACLE CIRCUIT DESIGNATOR
- LIGHTING UNIT NUMBER
- LIGHTING CABINET ID

LEGEND

- EXISTING LIGHTING UNIT
- LIGHTING UNIT TYPE SPECIAL
- UNDERGROUND CIRCUITRY IN CONDUIT
- CONDUIT STUB
- PULL BOX 24 X 42-IN
- LIGHTING CONTROL CABINET

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	LIGHTING PLAN	SHEET 166	E

2



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PROPOSED LIGHTING UNIT

LW-LUT-L1-R1-(LCC-X-__)

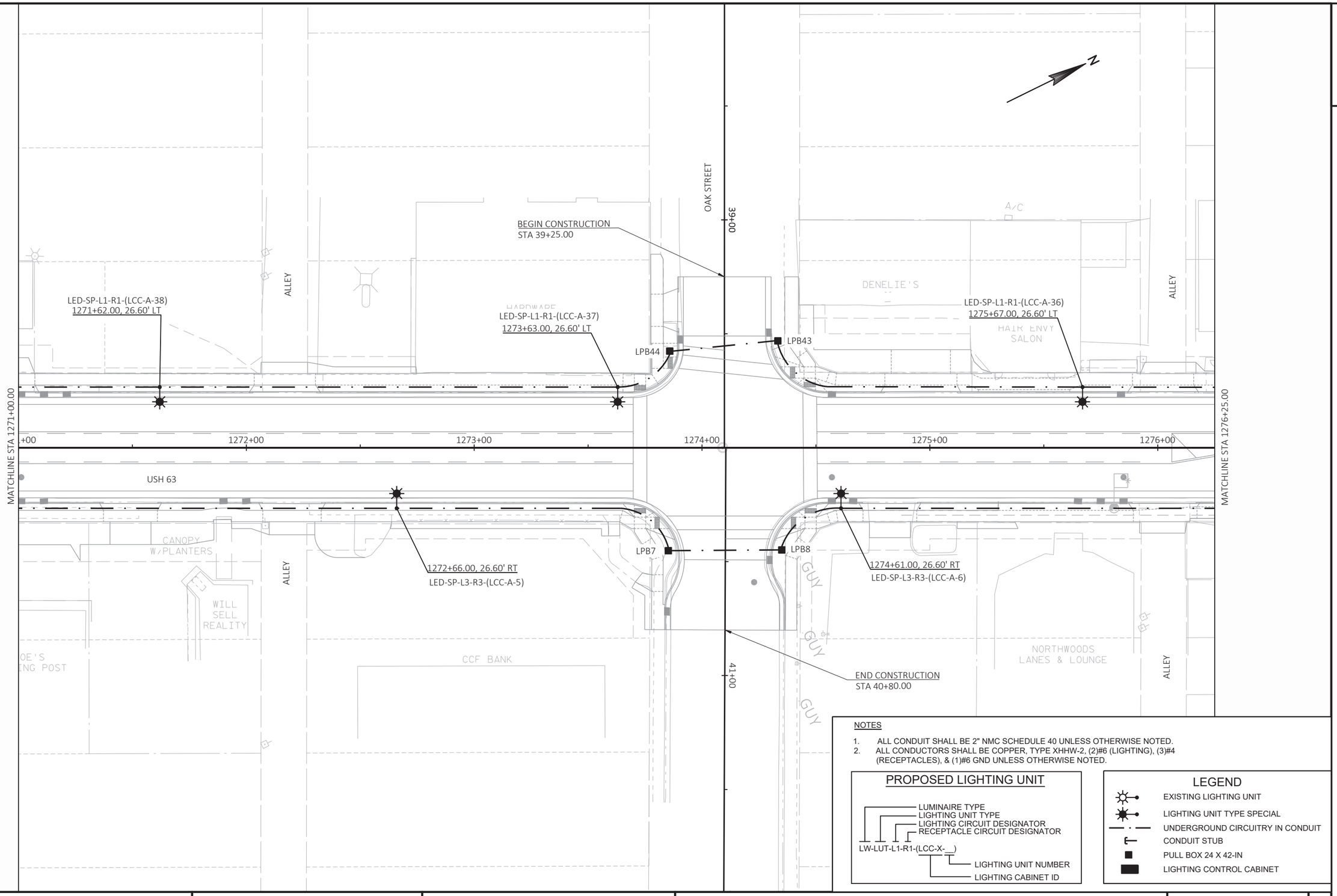
- LUMINAIRE TYPE
- LIGHTING UNIT TYPE
- LIGHTING CIRCUIT DESIGNATOR
- RECEPTACLE CIRCUIT DESIGNATOR
- LIGHTING UNIT NUMBER
- LIGHTING CABINET ID

LEGEND

- EXISTING LIGHTING UNIT
- LIGHTING UNIT TYPE SPECIAL
- UNDERGROUND CIRCUITRY IN CONDUIT
- CONDUIT STUB
- PULL BOX 24 X 42-IN
- LIGHTING CONTROL CABINET

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	LIGHTING PLAN	SHEET 167	E

2



NOTES

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PROPOSED LIGHTING UNIT

LW-LUT-L1-R1-(LCC-X-__)

- LUMINAIRE TYPE
- LIGHTING UNIT TYPE
- LIGHTING CIRCUIT DESIGNATOR
- RECEPTACLE CIRCUIT DESIGNATOR
- LIGHTING UNIT NUMBER
- LIGHTING CABINET ID

LEGEND

- EXISTING LIGHTING UNIT
- LIGHTING UNIT TYPE SPECIAL
- UNDERGROUND CIRCUITRY IN CONDUIT
- CONDUIT STUB
- PULL BOX 24 X 42-IN
- LIGHTING CONTROL CABINET

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	LIGHTING PLAN	SHEET 168	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\023501 LP.DWG
LAYOUT NAME - 5
PLOT DATE : 7/30/2021 6:38 AM
PLOT BY : ANNIE JEROME
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

N

WALNUT STREET

49+00

ONE-WAY

BANK OF THE WEST

NORTHWIND BOOK & FIBER

NATURALLY NORTH

RIVER STREET FAMILY

ALLEY

BEGIN CONSTRUCTION
STA 49+50.67

INTERCEPT EXISTING 4" CONDUIT WITH (5)#6 FROM N. SUMMIT STREET TO FEED EXISTING LIGHTING UNIT X17 AND X18. SPLICE TO EXISTING CIRCUITRY IN PULL BOX WITH WATERPROOF ENCAPSULATED SPLICE KIT

X18

X17

2" NMC,
(2)#6 (LIGHTING), (2)#6 (RECEPTACLES),
(1)#6 GND

LPB42

LPB41

LED-SP-L1-R1-(LCC-A-35)
1279+20.00, 26.60' LT

LCC-A 120 / 240 V

LPB40

3" NMC,
(2)#6 (LIGHTING), (3)#4 (RECEPTACLES),
(1)#6 GND

2" NMC,
(4)#6 (LIGHTING), (3)#4 (RECEPTACLES), (2)#6 (RECEPTACLES), (2)#6 GND

3" NMC,
(4)#6 (LIGHTING), (6)#4 (RECEPTACLES),
(2)#6 GND

MATCHLINE STA 1276+25.00

1277+00

1278+00

1279+00

1280+00

1281

MATCHLINE STA 1281+00.00

2" NMC,
(4)#6 (LIGHTING), (3)#4 (RECEPTACLES), (2)#6 GND

USH 63

LPB9

LPB10

LPB11

CAT'S MEOW

1276+70.00, 26.60' RT
LED-SP-L3-R3-(LCC-A-7)

X5

INTERCEPT EXISTING 4" CONDUIT WITH (3)#6 FROM FRONT STREET TO FEED EXISTING LIGHTING UNIT X5 AND SALVAGED LIGHTING UNIT LCC-B-1. SPLICE TO EXISTING CIRCUITRY IN PULL BOX WITH WATERPROOF ENCAPSULATED SPLICE KIT

LED-SALVAGE-L1-R1-(LCC-B-1)

1280+40.00, 26.60' RT
LED-SP-L4-R4-(LCC-A-8)

WOOD FENCE

2" NMC,
(2)#6 (LIGHTING),
(1)#6 GND

END CONSTRUCTION
STA 50+70.00

51+00

NOTES

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PROPOSED LIGHTING UNIT

LW-LUT-L1-R1-(LCC-X-__)

- LUMINAIRE TYPE
- LIGHTING UNIT TYPE
- LIGHTING CIRCUIT DESIGNATOR
- RECEPTACLE CIRCUIT DESIGNATOR
- LIGHTING UNIT NUMBER
- LIGHTING CABINET ID

LEGEND

- EXISTING LIGHTING UNIT
- LIGHTING UNIT TYPE SPECIAL
- UNDERGROUND CIRCUITRY IN CONDUIT
- CONDUIT STUB
- PULL BOX 24 X 42-IN
- LIGHTING CONTROL CABINET

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	LIGHTING PLAN	SHEET 169	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\023501 LP.DWG
LAYOUT NAME - 6

PLOT DATE : 7/30/2021 6:38 AM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

ELM STREET

59+00

BEGIN CONSTRUCTION
STA 59+25.00

PILLER'S RESTAURANT

DECK

LED-SP-L2-R2-(LCC-A-34)
1281+31.00, 26.60' LT

LPB39

LPB38

LED-SP-L2-R2-(LCC-A-33)
1283+18.00, 26.60' LT

TREAT DEPOT

ALLEY

HOLIDAY

CANOPY

LED-SP-L2-R2-(LCC-A-32)
1285+20.00, 26.60' LT

BEGIN CONSTRUCTION
STA 69+15.00

CTH K/PINE STREET

69+00

LPB37

LPB36

MATCHLINE STA 1281+00.00

+00

1282+00

1283+00

1284+00

1285+00

70+00

1286+00

MATCHLINE STA 1286+50.00

USH 63

LPB12

LPB13

1282+27.00, 26.60' RT
LED-SP-L4-R4-(LCC-A-9)

JOHNSON BANK

BANK OF THE WEST

ALLEY

1284+24.00, 26.60' RT
LED-SP-L4-R4-(LCC-A-10)

LPB14

LPB15

1286+17.00, 26.60' RT
LED-SP-L4-R4-(LCC-A-11)

61+00

71+00

HSE

END CONSTRUCTION
STA 60+75.00

END CONSTRUCTION
STA 70+75.00

NOTES

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PROPOSED LIGHTING UNIT

LW-LUT-L1-R1-(LCC-X-__)

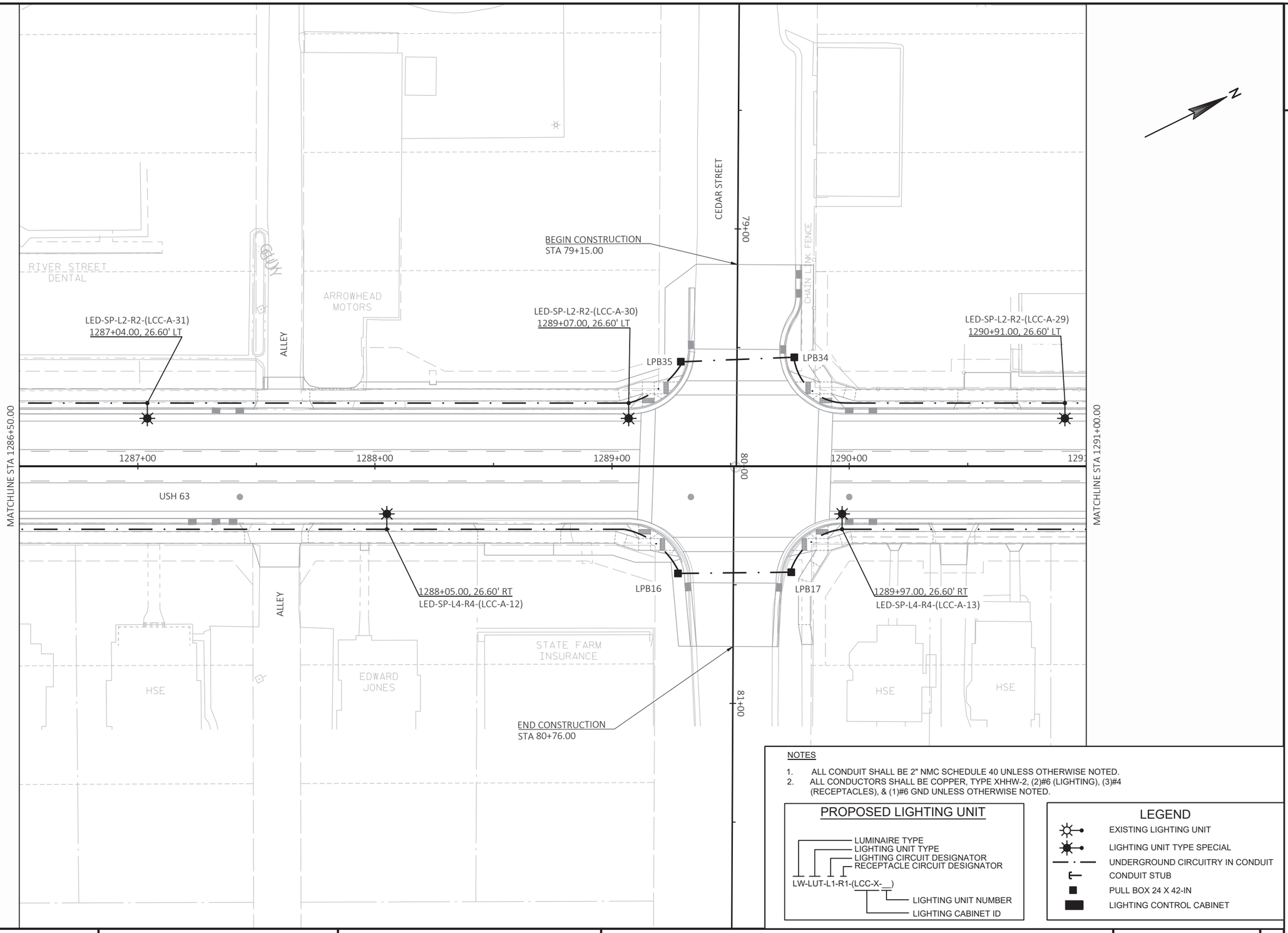
- LUMINAIRE TYPE
- LIGHTING UNIT TYPE
- LIGHTING CIRCUIT DESIGNATOR
- RECEPTACLE CIRCUIT DESIGNATOR
- LIGHTING UNIT NUMBER
- LIGHTING CABINET ID

LEGEND

- EXISTING LIGHTING UNIT
- LIGHTING UNIT TYPE SPECIAL
- UNDERGROUND CIRCUITRY IN CONDUIT
- CONDUIT STUB
- PULL BOX 24 X 42-IN
- LIGHTING CONTROL CABINET

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	LIGHTING PLAN	SHEET 170	E

2



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- LUMINAIRE TYPE
- LIGHTING UNIT TYPE
- LIGHTING CIRCUIT DESIGNATOR
- RECEPTACLE CIRCUIT DESIGNATOR
- LIGHTING UNIT NUMBER
- LIGHTING CABINET ID

LEGEND

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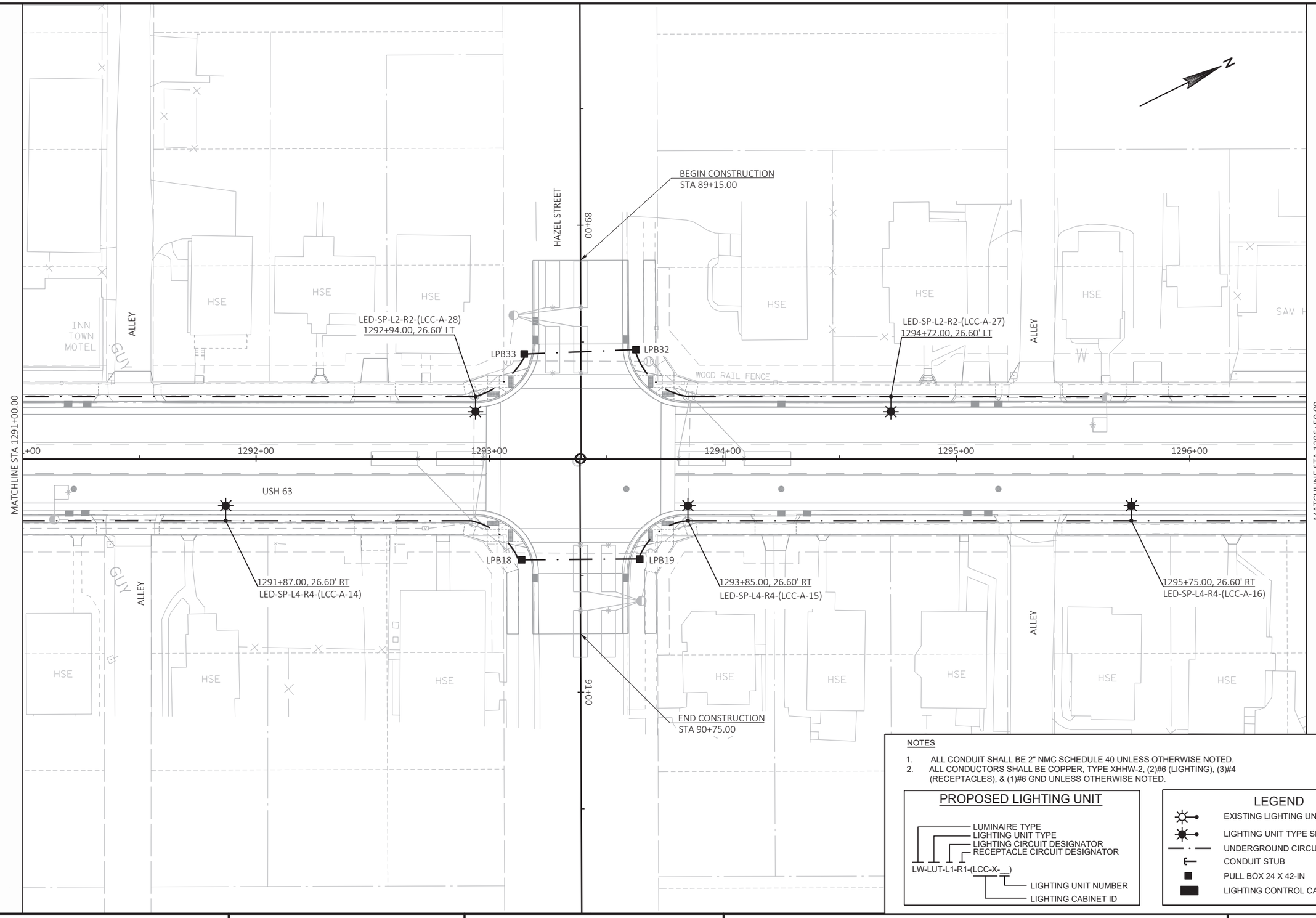
- LIGHTING UNIT TYPE SPECIAL
- UNDERGROUND CIRCUITRY IN CONDUIT
- CONDUIT STUB
- PULL BOX 24 X 42-IN
- LIGHTING CONTROL CABINET

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	LIGHTING PLAN	SHEET 171	E

2



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LEGEND

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- CONDUIT STUB
- PULL BOX 24 X 42-IN
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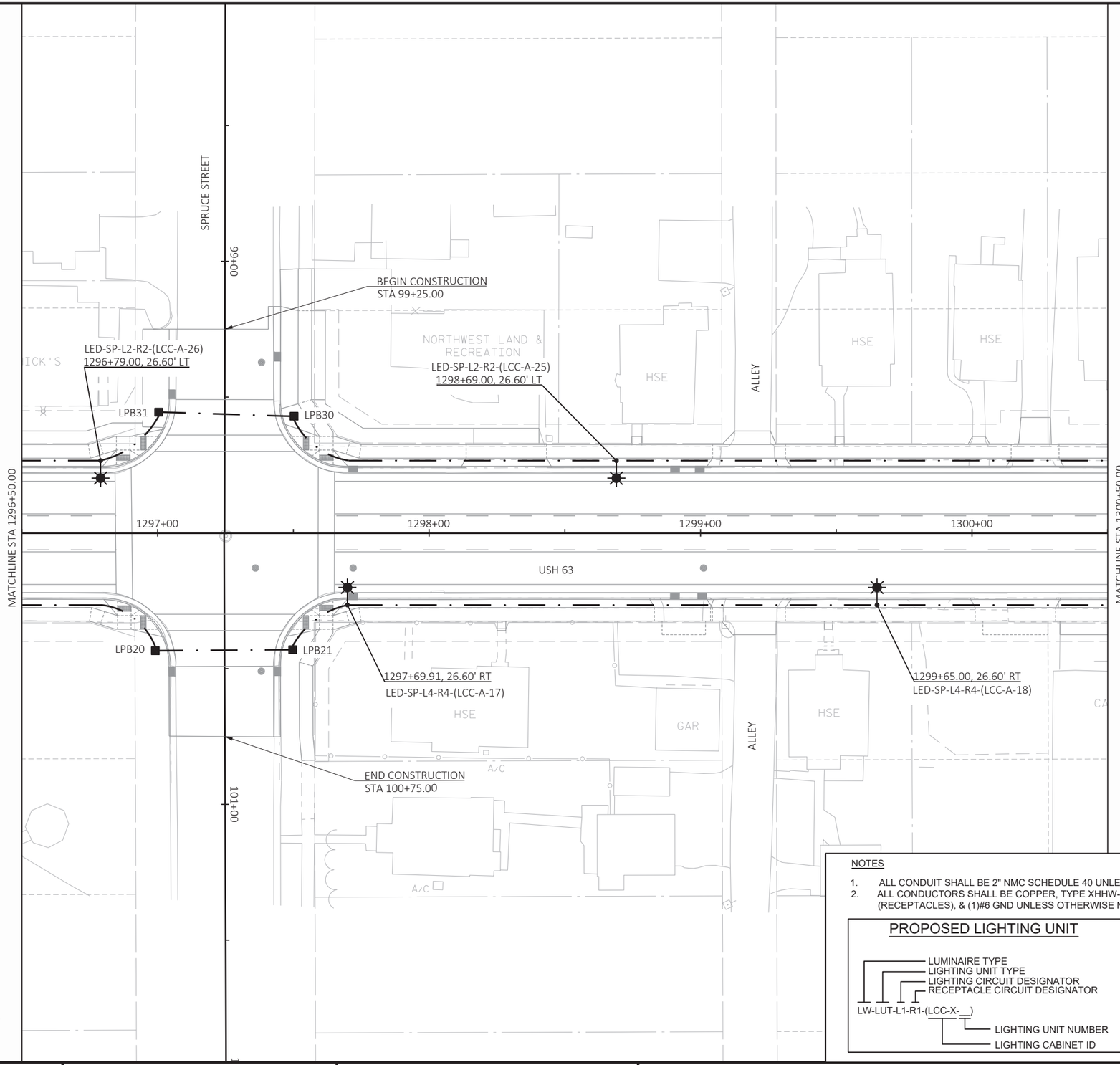
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	LIGHTING PLAN	SHEET 172	E

2



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PROPOSED LIGHTING UNIT

LW-LUT-L1-R1-(LCC-X-__)

- LUMINAIRE TYPE
- LIGHTING UNIT TYPE
- LIGHTING CIRCUIT DESIGNATOR
- RECEPTACLE CIRCUIT DESIGNATOR
- LIGHTING UNIT NUMBER
- LIGHTING CABINET ID

LEGEND

- EXISTING LIGHTING UNIT
- LIGHTING UNIT TYPE SPECIAL
- UNDERGROUND CIRCUITRY IN CONDUIT
- CONDUIT STUB
- PULL BOX 24 X 42-IN
- LIGHTING CONTROL CABINET

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	LIGHTING PLAN	SHEET 173	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\023501 LP.DWG
LAYOUT NAME - 10
PLOT DATE : 7/30/2021 6:40 AM
PLOT BY : ANNIE JEROME
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

BEGIN CONSTRUCTION
STA 109+35.00

BEGIN CONSTRUCTION
STA 119+25.18

LED-SP-L2-R2-(LCC-A-24)
1300+65.00, 26.60' LT

LED-SP-L2-R2-(LCC-A-23)
1302+51.00, 26.60' LT

LED-SP-L2-R2-(LCC-A-22)
1304+46.00, 26.60' LT

LED-SP-L2-R2-(LCC-A-21)
1305+43.99, 26.60' LT

LPB29 LPB28 LPB27 LPB26

LPB22 LPB23 LPB24 LPB25

1301+61.00, 26.60' RT
LED-SP-L4-R4-(LCC-A-19)

1303+40.00, 26.60' RT
LED-SP-L4-R4-(LCC-A-20)

2" NMC
#12 TRACER WIRE
WITH PULL STRING

END CONSTRUCTION
STA 110+70.00

END CONSTRUCTION
STA 120+73.83

BALSAM STREET
POPLAR STREET
ALLEY
USH 63
MATCHLINE STA 1300+50.00
MATCHLINE STA 1306+00.00
1301+00 1302+00 1303+00 1304+00
109+00 110+00 111+00 119+00 120+00 121+00
HSE SHED CAR A/C CATS BLD VACANT CORNERSTONE CHURCH ROUEST

NOTES

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PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	LIGHTING PLAN	SHEET 174	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\023501 LP.DWG
LAYOUT NAME - 11
PLOT DATE : 7/30/2021 6:40 AM
PLOT BY : ANNIE JEROME
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

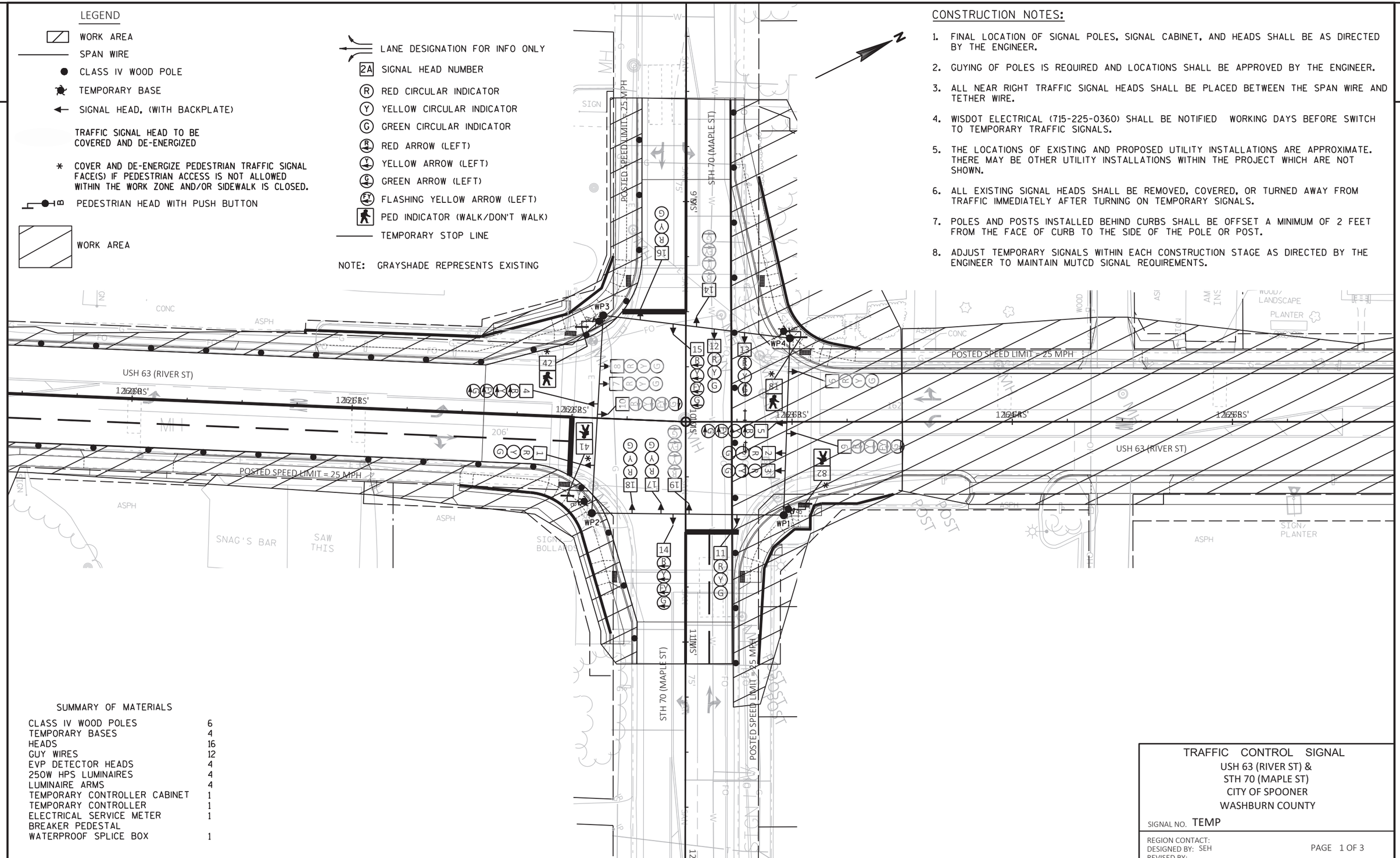
LEGEND

- WORK AREA
- SPAN WIRE
- CLASS IV WOOD POLE
- TEMPORARY BASE
- SIGNAL HEAD, (WITH BACKPLATE)
- TRAFFIC SIGNAL HEAD TO BE COVERED AND DE-ENERGIZED
- * COVER AND DE-ENERGIZE PEDESTRIAN TRAFFIC SIGNAL FACE(S) IF PEDESTRIAN ACCESS IS NOT ALLOWED WITHIN THE WORK ZONE AND/OR SIDEWALK IS CLOSED.
- PEDESTRIAN HEAD WITH PUSH BUTTON
- WORK AREA
- LANE DESIGNATION FOR INFO ONLY
- 2A SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- (R) RED ARROW (LEFT)
- (Y) YELLOW ARROW (LEFT)
- (G) GREEN ARROW (LEFT)
- (FY) FLASHING YELLOW ARROW (LEFT)
- PED INDICATOR (WALK/DON'T WALK)
- TEMPORARY STOP LINE

NOTE: GRAYSHADE REPRESENTS EXISTING

CONSTRUCTION NOTES:

1. FINAL LOCATION OF SIGNAL POLES, SIGNAL CABINET, AND HEADS SHALL BE AS DIRECTED BY THE ENGINEER.
2. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
3. ALL NEAR RIGHT TRAFFIC SIGNAL HEADS SHALL BE PLACED BETWEEN THE SPAN WIRE AND TETHER WIRE.
4. WISDOT ELECTRICAL (715-225-0360) SHALL BE NOTIFIED WORKING DAYS BEFORE SWITCH TO TEMPORARY TRAFFIC SIGNALS.
5. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
6. ALL EXISTING SIGNAL HEADS SHALL BE REMOVED, COVERED, OR TURNED AWAY FROM TRAFFIC IMMEDIATELY AFTER TURNING ON TEMPORARY SIGNALS.
7. POLES AND POSTS INSTALLED BEHIND CURBS SHALL BE OFFSET A MINIMUM OF 2 FEET FROM THE FACE OF CURB TO THE SIDE OF THE POLE OR POST.
8. ADJUST TEMPORARY SIGNALS WITHIN EACH CONSTRUCTION STAGE AS DIRECTED BY THE ENGINEER TO MAINTAIN MUTCD SIGNAL REQUIREMENTS.



SUMMARY OF MATERIALS

CLASS IV WOOD POLES	6
TEMPORARY BASES	4
HEADS	16
GUY WIRES	12
EVP DETECTOR HEADS	4
250W HPS LUMINAIRES	4
LUMINAIRE ARMS	4
TEMPORARY CONTROLLER CABINET	1
TEMPORARY CONTROLLER	1
ELECTRICAL SERVICE METER	1
BREAKER PEDESTAL	
WATERPROOF SPLICE BOX	1

TRAFFIC CONTROL SIGNAL
USH 63 (RIVER ST) &
STH 70 (MAPLE ST)
CITY OF SPOONER
WASHBURN COUNTY

SIGNAL NO. TEMP

REGION CONTACT:
DESIGNED BY: SEH
REVISED BY:

PAGE 1 OF 3

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	TEMPORARY TRAFFIC SIGNAL PLAN - ALL STAGES	SHEET 175	E

2

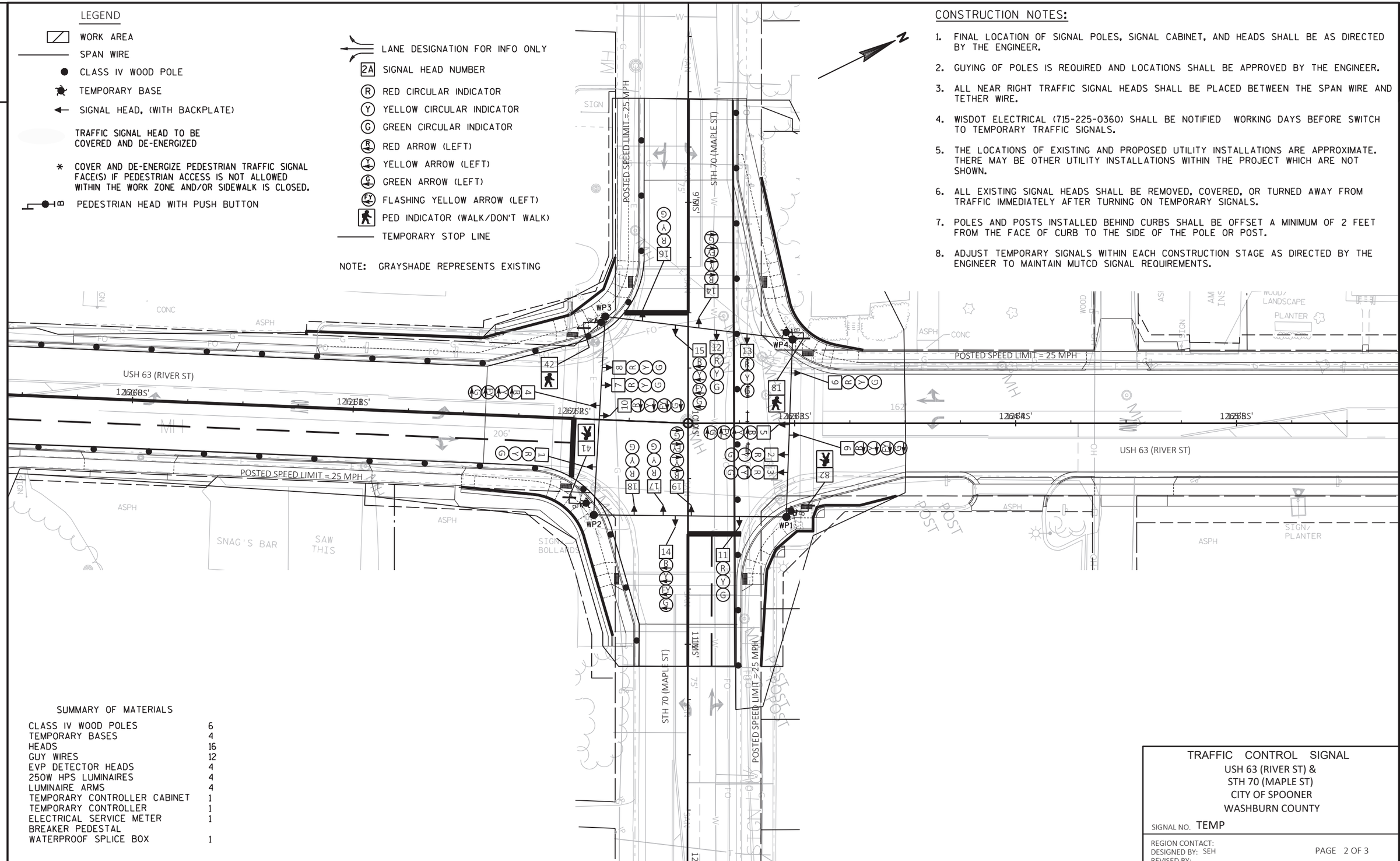
LEGEND

- WORK AREA
- SPAN WIRE
- CLASS IV WOOD POLE
- TEMPORARY BASE
- SIGNAL HEAD, (WITH BACKPLATE)
- TRAFFIC SIGNAL HEAD TO BE COVERED AND DE-ENERGIZED
- * COVER AND DE-ENERGIZE PEDESTRIAN TRAFFIC SIGNAL FACE(S) IF PEDESTRIAN ACCESS IS NOT ALLOWED WITHIN THE WORK ZONE AND/OR SIDEWALK IS CLOSED.
- PEDESTRIAN HEAD WITH PUSH BUTTON
- LANE DESIGNATION FOR INFO ONLY
- 2A SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- RED ARROW (LEFT)
- YELLOW ARROW (LEFT)
- GREEN ARROW (LEFT)
- FLASHING YELLOW ARROW (LEFT)
- PED INDICATOR (WALK/DON'T WALK)
- TEMPORARY STOP LINE

NOTE: GRAYSHADE REPRESENTS EXISTING

CONSTRUCTION NOTES:

1. FINAL LOCATION OF SIGNAL POLES, SIGNAL CABINET, AND HEADS SHALL BE AS DIRECTED BY THE ENGINEER.
2. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
3. ALL NEAR RIGHT TRAFFIC SIGNAL HEADS SHALL BE PLACED BETWEEN THE SPAN WIRE AND TETHER WIRE.
4. WISDOT ELECTRICAL (715-225-0360) SHALL BE NOTIFIED WORKING DAYS BEFORE SWITCH TO TEMPORARY TRAFFIC SIGNALS.
5. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
6. ALL EXISTING SIGNAL HEADS SHALL BE REMOVED, COVERED, OR TURNED AWAY FROM TRAFFIC IMMEDIATELY AFTER TURNING ON TEMPORARY SIGNALS.
7. POLES AND POSTS INSTALLED BEHIND CURBS SHALL BE OFFSET A MINIMUM OF 2 FEET FROM THE FACE OF CURB TO THE SIDE OF THE POLE OR POST.
8. ADJUST TEMPORARY SIGNALS WITHIN EACH CONSTRUCTION STAGE AS DIRECTED BY THE ENGINEER TO MAINTAIN MUTCD SIGNAL REQUIREMENTS.



SUMMARY OF MATERIALS

CLASS IV WOOD POLES	6
TEMPORARY BASES	4
HEADS	16
GUY WIRES	12
EVP DETECTOR HEADS	4
250W HPS LUMINAIRES	4
LUMINAIRE ARMS	4
TEMPORARY CONTROLLER CABINET	1
TEMPORARY CONTROLLER	1
ELECTRICAL SERVICE METER	1
BREAKER PEDESTAL	
WATERPROOF SPLICE BOX	1

TRAFFIC CONTROL SIGNAL
USH 63 (RIVER ST) &
STH 70 (MAPLE ST)
CITY OF SPOONER
WASHBURN COUNTY

SIGNAL NO. TEMP

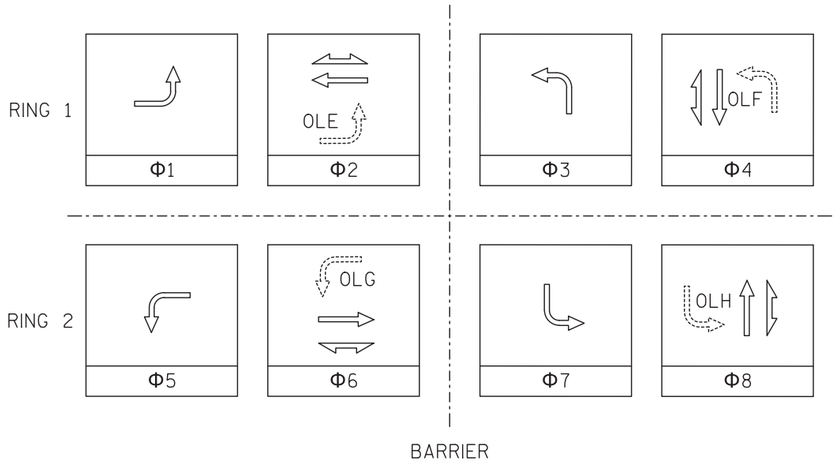
REGION CONTACT:
DESIGNED BY: SEH
REVISED BY:

PAGE 2 OF 3

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	TEMPORARY TRAFFIC SIGNAL PLAN - POST CONSTRUCTION	SHEET 176	E

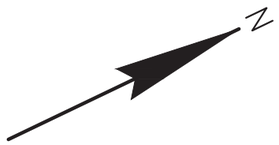
FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\024000_SP_TEMP.DWG
LAYOUT NAME - 024016_sp
PLOT DATE : 7/30/2021 10:53 AM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1.0 IN = 40.0 FT

	HEAD NUMBERS	FLASH
Φ1	4,5	R ←
Φ2	6,7,8	R
Φ3	14,15	R ←
Φ4	16,17,18	R
Φ5	9,10	R ←
Φ6	1,2,3	R
Φ7	19,20	R ←
Φ8	11,12,13	R
Φ2 P	21,22	
Φ4 P	41,42	
Φ6 P	61,62	
Φ8 P	81,82	
OLE	4,5	-
OLF	14,15	-
OLG	9,10	-
OLH	19,20	-



GENERAL NOTES: SEQUENCE OF OPERATION

1. ANY ACTUATED PHASE FOR WHICH THERE IS NO CALL SHALL BE SKIPPED.
2. WHEN ONE PHASE IS ON ALONE, ANY NONCONFLICTING PHASE MAY START TIMING CONCURRENTLY. SEE CHART 1.
3. IF ANY OPPOSING THRU PHASES ARE TIMING CONCURRENTLY, THEY SHALL TERMINATE TOGETHER DUE TO PERMISSIVE LEFT TURN CONFLICT.



CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W/Φ	PHASE RECALL	PHASE ACTIVE
1		6		X
2	X	6	MIN.	X
3		8		X
4		8		X
5		2		X
6	X	2	MIN.	X
7		4		X
8		4		X

CHART 1

PHASE ON	NONCONFLICTING PHASE ALLOWED TO TIME CONCURRENTLY	PHASES IN CONFLICT WITH PHASE ON
1	5 OR 6	2,3,4,7,8
2	5 OR 6	1,3,4,7,8
3	7 OR 8	1,2,4,5,6
4	7 OR 8	1,2,3,5,6
5	1 OR 2	3.4,6,7,8
6	1 OR 2	3,4,5,7,8
7	3 OR 4	1,2,5,6,8
8	3 OR 4	1,2,5,6,7

TYPE OF INTERCONNECT/COMMUNICATION

NONE	X
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	

TYPE OF COORDINATION

NONE	X
TBC	
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NUMBER	S_-_-____
SIGNAL SYSTEM NUMBER	SS-_-_-____

TYPE OF LIGHTING

BY OTHER AGENCY	
IN TRAFFIC SIGNAL CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF PRE-EMPT

NONE	X
RAILROAD	
EMERGENCY VEHICLE	
GTT	
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTION	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	9	15	13	19	11	17	23	21	27	25	31	29
PLAN LOOP DETECTOR*(S)	11	21	31	41	51	61	71	81								
CALLED PHASE	1	2	3	4	5	6	7	8								
CALL OPTION	X	X	X	X	X	X	X	X								
DELAY TIME																
EXTENTION OPTION	X	X	X	X	X	X	X	X								
EXTEND TIME																
USE ADDED INITIAL	X	X	X	X	X	X	X	X								
CROSS SWITCH PHASE																

DETECTOR INPUT	4	2	8	6	10	16	14	20	12	18	24	22	28	26	32	30
PLAN LOOP DETECTOR*(S)																
CALLED PHASE																
CALL OPTION																
DELAY TIME																
EXTENTION OPTION																
EXTEND TIME																
USE ADDED INITIAL																
CROSS SWITCH PHASE																

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
PREEMPTION CHANNEL	1	2	3	4
MOVEMENT				
DIRECTION	NB	SB	EB	WB
PHASE	6+1	2+5	4+7	8+3

NOTES: FULL CLEARANCE AND MINIMUM GREEN INTERVALS SHALL ALWAYS BE PROVIDED.

TRAFFIC CONTROL SIGNAL
USH 63 (RIVER ST) &
STH 70 (MAPLE ST)
CITY OF SPOONER
WASHBURN COUNTY

SIGNAL NO. TEMP

REGION CONTACT:
DESIGNED BY: SEH
REVISED BY:

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	TEMPORARY SEQUENCE OF OPERATION	SHEET 177	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\024000_SP_TEMP.DWG
LAYOUT NAME - 024017_sp_ph
PLOT DATE : 7/30/2021 10:53 AM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : NTS
WISDOT/CADDS SHEET 42

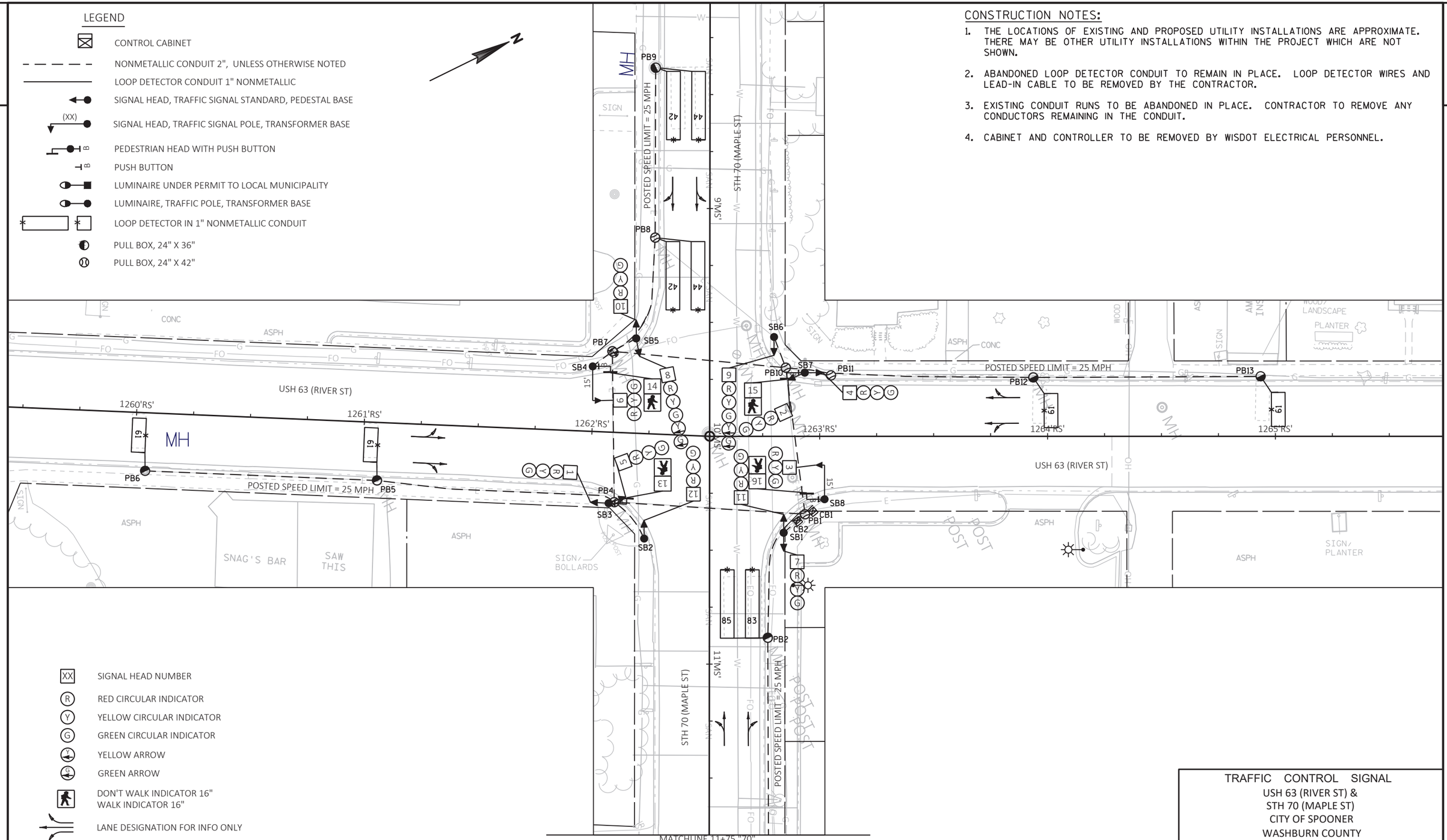
2

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- PEDESTRIAN HEAD WITH PUSH BUTTON
- PUSH BUTTON
- LUMINAIRE UNDER PERMIT TO LOCAL MUNICIPALITY
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"

CONSTRUCTION NOTES:

1. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
2. ABANDONED LOOP DETECTOR CONDUIT TO REMAIN IN PLACE. LOOP DETECTOR WIRES AND LEAD-IN CABLE TO BE REMOVED BY THE CONTRACTOR.
3. EXISTING CONDUIT RUNS TO BE ABANDONED IN PLACE. CONTRACTOR TO REMOVE ANY CONDUCTORS REMAINING IN THE CONDUIT.
4. CABINET AND CONTROLLER TO BE REMOVED BY WISDOT ELECTRICAL PERSONNEL.



- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- Y YELLOW ARROW
- G GREEN ARROW
- DON'T WALK INDICATOR 16" / WALK INDICATOR 16"
- LANE DESIGNATION FOR INFO ONLY

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING

TRAFFIC CONTROL SIGNAL

USH 63 (RIVER ST) &
STH 70 (MAPLE ST)
CITY OF SPOONER
WASHBURN COUNTY

SIGNAL NO. S65-0197

REGION CONTACT:
DESIGNED BY: SEH
REVISED BY:

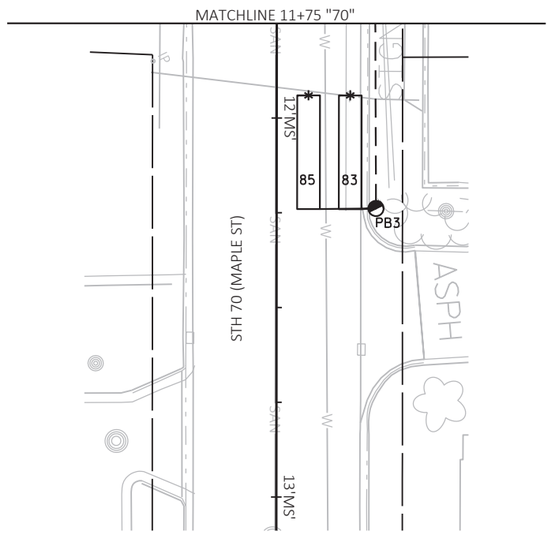
PAGE 1 OF 2

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 178	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\024000_SP (REM).DWG
LAYOUT NAME - 024015_sp
PLOT DATE : 7/30/2021 10:54 AM
PLOT BY : ANNIE JEROME
PLOT NAME :
PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

2



TRAFFIC CONTROL SIGNAL
USH 63 (RIVER ST) &
STH 70 (MAPLE ST)
CITY OF SPOONER
WASHBURN COUNTY

SIGNAL NO. S65-0197

REGION CONTACT:
DESIGNED BY: SEH
REVISED BY:

PAGE 2 OF 2

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 179	E

2

2

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) MONOTUBE BASE SPECIAL, POLE, 35'-45' ARM
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) MONOTUBE BASE, POLE, 35'-55' ARM
- PEDESTRIAN HEAD WITH PUSH BUTTON
- PUSH BUTTON
- LUMINAIRE UNDER PERMIT TO LOCAL MUNICIPALITY
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE, LED C UNLESS OTHERWISE NOTED
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"

- EVP DESIGNATOR
- EVP DETECTOR HEAD
- SIGNAL HEAD NUMBER
- RED CIRCULAR INDICATOR
- YELLOW CIRCULAR INDICATOR
- GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- SIGNAL HEAD WITH RETROREFLECTIVE BACKPLATE
- SIGNAL HEAD WITH RETROREFLECTIVE BACKPLATE AND TUNNEL VISORS *
- DON'T WALK INDICATOR 16"
  WALK INDICATOR 16"

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING

CONSTRUCTION NOTES:

1. * LOCATION IS TO FRONT CENTER OF DETECTOR LOOP.
2. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING SIGNAL CABLE INTO SYSTEM. CONTACT THE WISDOT ELECTRICAL FIELD UNIT TO MAKE ARRANGEMENTS. (715) 577-0662.
3. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
4. THE ENGINEER MAY ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH EXISTING UTILITY FACILITIES.
5. ALL LUMINAIRES ARE LED CATEGORY C UNLESS OTHERWISE NOTED.
6. TRAFFIC SIGNAL CABINET AND CONTROLLER TO BE FURNISHED AND INSTALLED BY WISDOT PERSONNEL.
7. WISDOT TO FURNISH EVP DETECTORS AND MOUNTING BRACKETS. CONTRACTOR TO INSTALL EVP DETECTORS AND MOUNTING BRACKETS. CONTRACTOR TO FURNISH AND INSTALL EVP CABLE AND ALL INCIDENTALS TO COMPLETE THE WORK.
8. DO NOT INSTALL HDPE CONDUITS INTO SIDEWALLS OF CINC VAULTS. SWEEP HDPE CONDUIT UNDER AND UP INTO CINC VAULTS. COORDINATE WITH DAREN BAUER (715) 836-5286 AT LEAST 5 WORKING DAYS IN ADVANCE OF INSTALLING CONDUIT INTO CINC VAULTS.

MATCHLINE 8+25 "70"

MATCHLINE 11+75 "70"

USH 63 (RIVER ST)

STH 70 (MAPLE ST)

POSTED SPEED LIMIT = 25 MPH

POSTED SPEED LIMIT = 35 MPH

4 - 6'X20' 3 TURNS

2 - 6'X20' 3 TURNS

2 - 6'X20' 3 TURNS

4 - 6'X20' 3 TURNS

CONNECT TO CINC VAULT 2

180' TO STOPBAR

2-2" HDPE TO WALNUT STREET

2-2" HDPE WITH TRACER WIRE

2-2" HDPE

1-2" HDPE WITH TRACER WIRE

SNAG'S BAR

SAW THIS

LANDSCAPE PLANTER

SIGNY PLANTER

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	TRAFFIC SIGNAL PLAN	SHEET 180 E

TRAFFIC CONTROL SIGNAL
USH 63 (RIVER ST) &
STH 70 (MAPLE ST)
CITY OF SPOONER
WASHBURN COUNTY

SIGNAL NO. S65-0197
CABINET TYPE: TS-2
CONTROLLER TYPE: ASC/3

WISCONSIN DEPARTMENT OF TRANSPORTATION

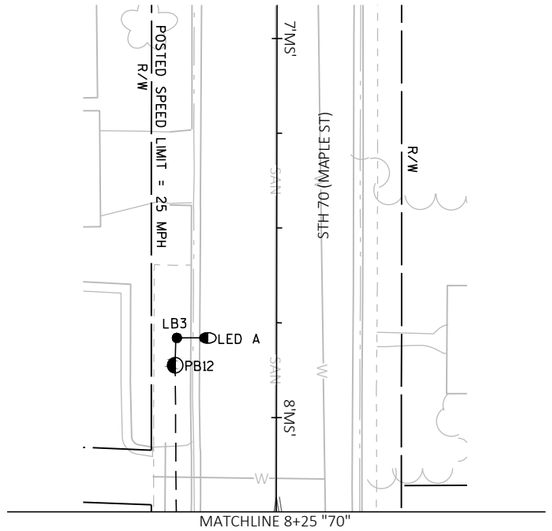
APPROVAL RECOMMENDED
DATE _____ REGION TRAFFIC ENGINEER
APPROVED
DATE _____ STATE TRAFFIC ENGINEER

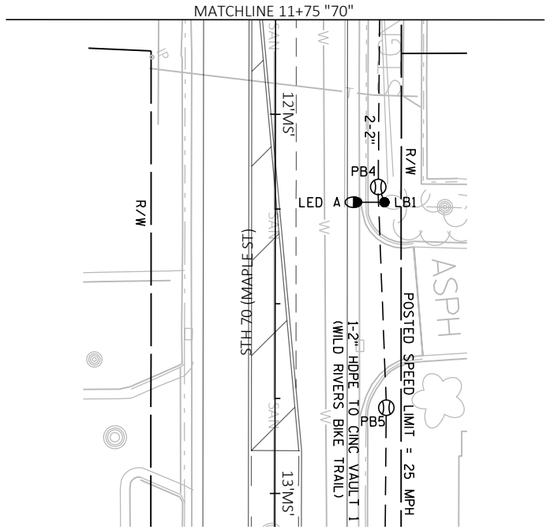
REGION CONTACT:
DESIGNED BY: SEH
REVISED BY:

PAGE 1 OF 3

FILE NAME : G:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\024000_SP.DWG
LAYOUT NAME - 024015_sp
PLOT DATE : 8/25/2021 3:33 PM
PLOT BY : JOSHUA WOLLER
PLOT NAME :
PLOT SCALE : 1.0 IN = 40.0 FT
WISDOT/CADDS SHEET 42

2





TRAFFIC CONTROL SIGNAL
USH 63 (RIVER ST) &
STH 70 (MAPLE ST)
CITY OF SPOONER
WASHBURN COUNTY

SIGNAL NO. S65-0197

REGION CONTACT:
DESIGNED BY: SEH
REVISED BY:

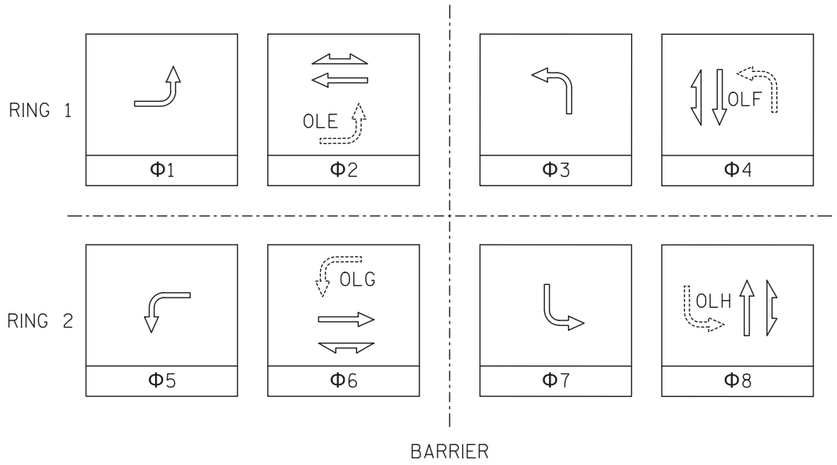
PAGE 2 OF 3

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	TRAFFIC SIGNAL PLAN	SHEET 181	E

FILE NAME : G:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\024000_SP.DWG
LAYOUT NAME - 024016_sp

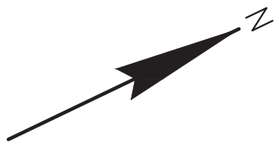
PLOT DATE : 8/25/2021 3:34 PM PLOT BY : JOSHUA WOLLER PLOT NAME : PLOT SCALE : 1.0 IN = 40.0 FT

	HEAD NUMBERS	FLASH
Φ1	4,5	R ←
Φ2	6,7,8	R
Φ3	14,15	R ←
Φ4	16,17,18	R
Φ5	9,10	R ←
Φ6	1,2,3	R
Φ7	19,20	R ←
Φ8	11,12,13	R
Φ2 P	21,22	
Φ4 P	41,42	
Φ6 P	61,62	
Φ8 P	81,82	
OLE	4,5	-
OLF	14,15	-
OLG	9,10	-
OLH	19,20	-



GENERAL NOTES: SEQUENCE OF OPERATION

1. ANY ACTUATED PHASE FOR WHICH THERE IS NO CALL SHALL BE SKIPPED.
2. WHEN ONE PHASE IS ON ALONE, ANY NONCONFLICTING PHASE MAY START TIMING CONCURRENTLY. SEE CHART 1.



CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W/Φ	PHASE RECALL	PHASE ACTIVE
1		6		X
2	X	6	MIN.	X
3		8		X
4		8		X
5		2		X
6	X	2	MIN.	X
7		4		X
8		4		X

CHART 1

PHASE ON	NONCONFLICTING PHASE ALLOWED TO TIME CONCURRENTLY	PHASES IN CONFLICT WITH PHASE ON
1	5 OR 6	2,3,4,7,8
2	5 OR 6	1,3,4,7,8
3	7 OR 8	1,2,4,5,6
4	7 OR 8	1,2,3,5,6
5	1 OR 2	3.4,6,7,8
6	1 OR 2	3,4,5,7,8
7	3 OR 4	1,2,5,6,8
8	3 OR 4	1,2,5,6,7

TYPE OF INTERCONNECT/COMMUNICATION

NONE	
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	X
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	

TYPE OF COORDINATION

NONE	X
TBC	
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NUMBER	S_-_-____
SIGNAL SYSTEM NUMBER	SS-_-_-____

TYPE OF LIGHTING

BY OTHER AGENCY	
IN TRAFFIC SIGNAL CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF PRE-EMPT

NONE	
RAILROAD	
EMERGENCY VEHICLE	X
GTT	
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTION	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13	19	17	23	21	27	25	31	29
PLAN LOOP DETECTOR*(S)	11	21	32	42	52	71	81									
CALLED PHASE	1	2	3	4	5	7	8									
CALL OPTION	X	X	X	X	X	X	X									
DELAY TIME																
EXTENTION OPTION	X	X	X	X	X	X	X									
EXTEND TIME																
USE ADDED INITIAL	X	X	X	X	X	X	X									
CROSS SWITCH PHASE																

DETECTOR INPUT	4	2	8	6	12	10	16	14	20	18	24	22	28	26	32	30
PLAN LOOP DETECTOR*(S)	12	31	41	51	61	72	82									
CALLED PHASE	1	3	4	5	6	7	8									
CALL OPTION	X	X	X	X	X	X	X									
DELAY TIME																
EXTENTION OPTION	X	X	X	X	X	X	X									
EXTEND TIME																
USE ADDED INITIAL	X	X	X	X	X	X	X									
CROSS SWITCH PHASE																

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
PREEMPTION CHANNEL	3	4	5	6
MOVEMENT	←	↰	↓	↑
DIRECTION	SB	NB	EB	WB
PHASE	2+5	6+1	4+7	8+3

NOTES: FULL CLEARANCE AND MINIMUM GREEN INTERVALS SHALL ALWAYS BE PROVIDED.

TRAFFIC CONTROL SIGNAL
USH 63 (RIVER STREET) &
STH 70 (MAPLE STREET)
CITY OF SPOONER
WASHBURN COUNTY

SIGNAL NO. S65-0197

REGION CONTACT:
DESIGNED BY: SEH
REVISED BY:

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	SEQUENCE OF OPERATION	SHEET 182	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\024000_SP.DWG
LAYOUT NAME - 024017_sp_ph
PLOT DATE : 7/30/2021 10:57 AM
PLOT BY : ANNIE JEROME
PLOT NAME :
PLOT SCALE : NTS
WISDOT/CADDS SHEET 42

PROJECT ID:	1560-00-70
INTERSECTION:	USH 63 (RIVER STREET) & STH 70 (MAPLE STREET)

SIGNAL WIRE COLOR CODING			
	BLK - BLACK	RED - RED	GRN - GREEN
	WHT - WHITE	BLU - BLUE	ORG - ORANGE

					SIGNAL INDICATION WIRE COLOR										
CB_TO	JUMPER	AWG 14 # OF COND.	HEAD NO.	PHASE	RED	YELLOW	GREEN	<RED>	<YELLOW>	<GREEN>	<FLASHING> <YELLOW>	D/WALK	WALK	PED BUTTON	OTHER
SB1		12	17	4	RED	ORG	GRN								
SB1			18	4	RED	ORG	GRN								
SB1			20	7				RED/BLK	ORG/BLK	GRN/BLK	BLU/BLK				
SB2		7	62	6 PED								BLK	BLU		
SB3		12	1	6	RED	ORG	GRN								
SB3			9	5				RED/BLK	ORG/BLK	GRN/BLK	BLU/BLK				
SB3			41	4 PED								BLK	BLU		
SB4		12	7	2	RED	ORG	GRN								
SB4			8	2	RED	ORG	GRN								
SB4			10	5				RED/BLK	ORG/BLK	GRN/BLK	BLU/BLK				
SB5		7	42	4 PED								BLK	BLU		
SB6		12	14	3				RED/BLK	ORG/BLK	GRN/BLK	BLU/BLK				
SB6			16	4	RED	ORG	GRN								
SB6			21	2 PED								BLK	BLU		
SB7		12	12	8	RED	ORG	GRN								
SB7			13	8	RED	ORG	GRN								
SB7			15	3				RED/BLK	ORG/BLK	GRN/BLK	BLU/BLK				
SB8		7	22	2 PED								BLK	BLU		
SB9		12	4	1				RED/BLK	ORG/BLK	GRN/BLK	BLU/BLK				
SB9			6	2	RED	ORG	GRN								
SB9			81	8 PED								BLK	BLU		
SB10		12	2	6	RED	ORG	GRN								
SB10			3	6	RED	ORG	GRN								
SB10			5	1				RED/BLK	ORG/BLK	GRN/BLK	BLU/BLK				
SB11		7	82	8 PED								BLK	BLU		
SB12		12	11	8	RED	ORG	GRN								
SB12			19	7				RED/BLK	ORG/BLK	GRN/BLK	BLU/BLK				
SB12			61	6 PED											

EQUIPMENT GROUNDING	
FROM	TO
CB1	SB1
SB1	SB2
SB2	SB3
SB3	SB4
SB4	SB5
SB5	SB6
SB6	SB7
SB7	SB8
SB8	SB9
SB9	SB10
SB10	SB11
SB11	SB12
SB12	CB1

PULL BOX BONDING JUMPER 10	
FROM	TO

LIGHTING UF 2-12 AWG	
FROM	TO
CB1	LB1
LB1	SB1
SB1	LB2
LB2	SB4
CB1	SB10
SB10	SB7
SB7	LB3

EVP CABLE	
FROM	TO
CB1	SB4 (HEAD A)
CB1	SB10 (HEAD B)
CB1	SB1 (HEAD C)
CB1	SB7 (HEAD D)

PED BUTTON (LOOP LEAD-IN	
FROM	TO
CB1	SB2
CB1	SB3
CB1	SB5
CB1	SB6
CB1	SB8
CB1	SB9
CB1	SB11
CB1	SB12

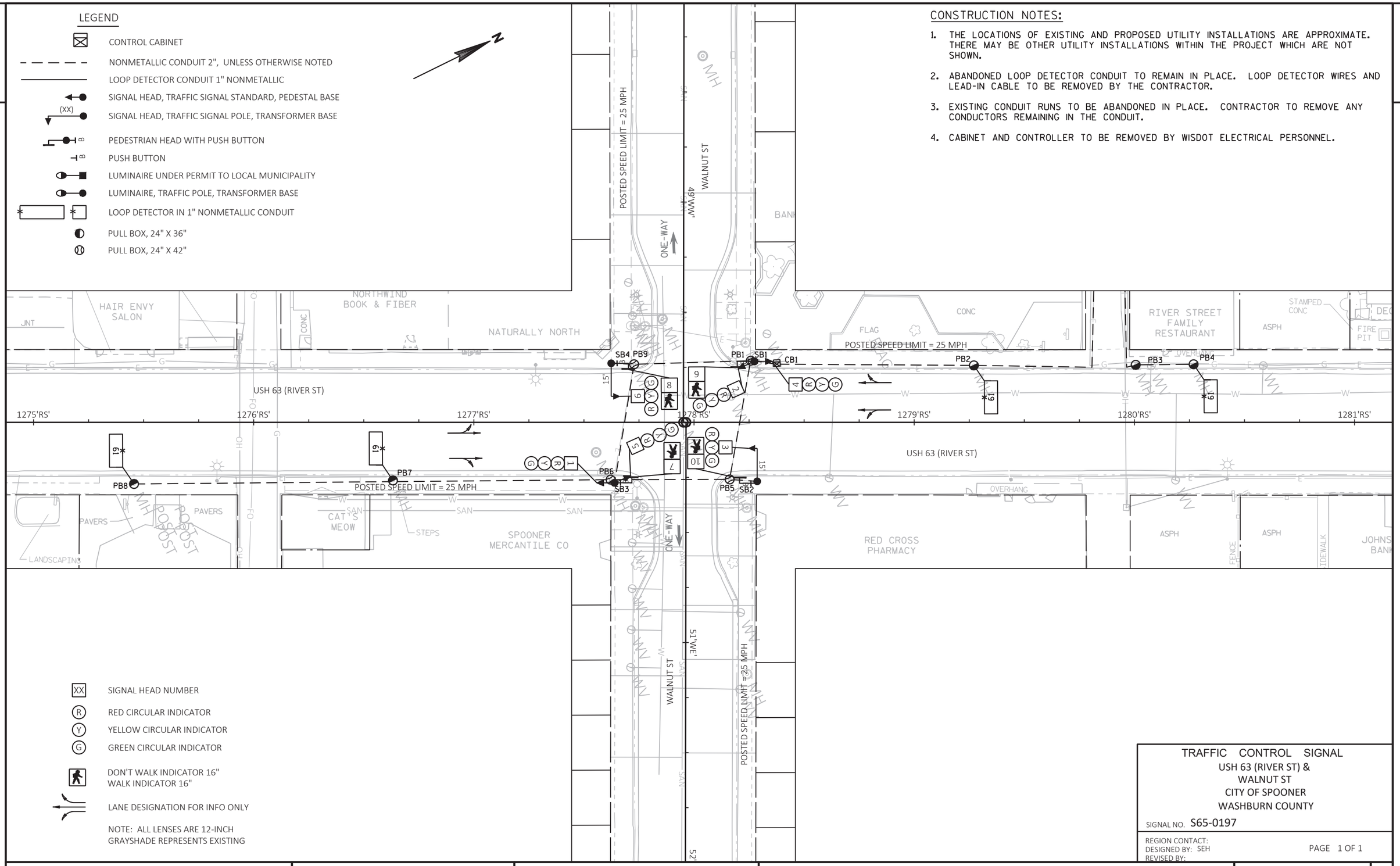
*USE THE WHITE CONDUCTOR IN THE CABLE ASSEMBLY AS THE GROUNDED CONDUCTOR FOR ALL TRAFFIC SIGNAL INDICATIONS
*ENSURE THE GROUNDED CONDUCTOR IN THE FEEDER CABLE AND THE POLE CABLES ARE BOTH 12" LONGER THAN THE UNGROUNDED CONDUCTORS.
*AT THE SIGNAL BASES, CONNECT ONE TERMINAL FROM THE PEDESTRAIN PUSH BUTTONS TO THE COLOR INDICATED IN THE CHART. CONNECT THE OTHER TERMINAL TO THE GROUNDED CONDUCTOR.
"OTHER" COLUMN MAY INCLUDE SHADOW BOX SIGN
*ALL CABLES SHALL BE LABELED WITH SIGNAL BASE NUMBER AT BOTH ENDS OF CABLE.

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- PEDESTRIAN HEAD WITH PUSH BUTTON
- PUSH BUTTON
- LUMINAIRE UNDER PERMIT TO LOCAL MUNICIPALITY
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"

CONSTRUCTION NOTES:

1. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
2. ABANDONED LOOP DETECTOR CONDUIT TO REMAIN IN PLACE. LOOP DETECTOR WIRES AND LEAD-IN CABLE TO BE REMOVED BY THE CONTRACTOR.
3. EXISTING CONDUIT RUNS TO BE ABANDONED IN PLACE. CONTRACTOR TO REMOVE ANY CONDUCTORS REMAINING IN THE CONDUIT.
4. CABINET AND CONTROLLER TO BE REMOVED BY WISDOT ELECTRICAL PERSONNEL.



- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- DON'T WALK INDICATOR 16"
  WALK INDICATOR 16"
- LANE DESIGNATION FOR INFO ONLY

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING

TRAFFIC CONTROL SIGNAL

USH 63 (RIVER ST) &
WALNUT ST
CITY OF SPOONER
WASHBURN COUNTY

SIGNAL NO. S65-0197

REGION CONTACT:
DESIGNED BY: SEH
REVISED BY:

PAGE 1 OF 1

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 184	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\024000_SP (REM).DWG
LAYOUT NAME - 0240225_sp

PLOT DATE : 7/30/2021 10:57 AM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1.0 IN = 40.0 FT

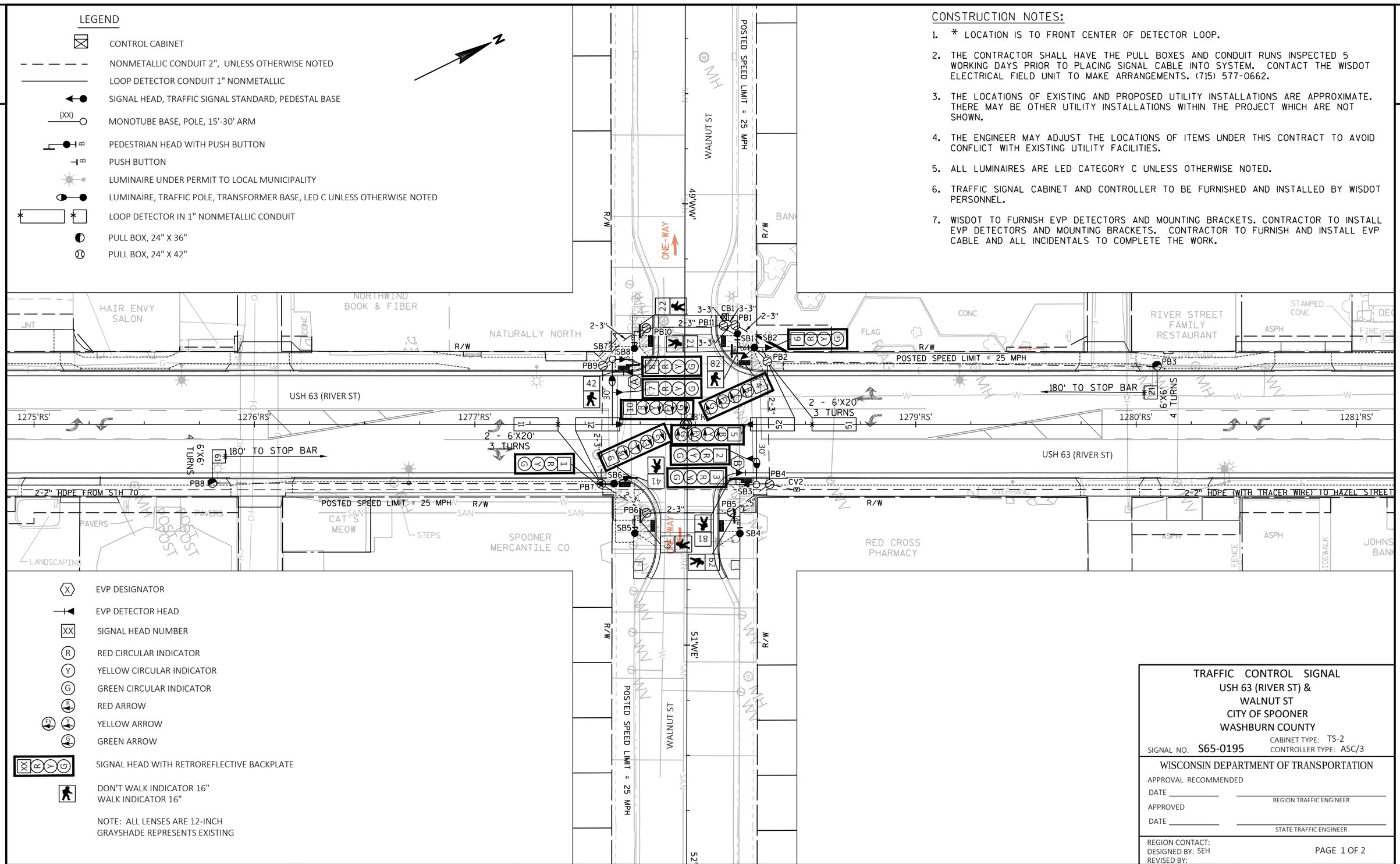
WISDOT/CADDS SHEET 42

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- PEDESTRIAN HEAD WITH PUSH BUTTON
- PUSH BUTTON
- LUMINAIRE UNDER PERMIT TO LOCAL MUNICIPALITY
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE, LED C UNLESS OTHERWISE NOTED
- * * LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"

CONSTRUCTION NOTES:

1. * LOCATION IS TO FRONT CENTER OF DETECTOR LOOP.
2. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING SIGNAL CABLE INTO SYSTEM. CONTACT THE WISDOT ELECTRICAL FIELD UNIT TO MAKE ARRANGEMENTS. (715) 577-0662.
3. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
4. THE ENGINEER MAY ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH EXISTING UTILITY FACILITIES.
5. ALL LUMINAIRES ARE LED CATEGORY C UNLESS OTHERWISE NOTED.
6. TRAFFIC SIGNAL CABINET AND CONTROLLER TO BE FURNISHED AND INSTALLED BY WISDOT PERSONNEL.
7. WISDOT TO FURNISH EVP DETECTORS AND MOUNTING BRACKETS. CONTRACTOR TO INSTALL EVP DETECTORS AND MOUNTING BRACKETS. CONTRACTOR TO FURNISH AND INSTALL EVP CABLE AND ALL INCIDENTALS TO COMPLETE THE WORK.



- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R RED ARROW
- FY Y YELLOW ARROW
- G GREEN ARROW
- SIGNAL HEAD WITH RETROREFLECTIVE BACKPLATE
- DON'T WALK INDICATOR 16"
  WALK INDICATOR 16"

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING

TRAFFIC CONTROL SIGNAL
USH 63 (RIVER ST) &
WALNUT ST
CITY OF SPOONER
WASHBURN COUNTY

SIGNAL NO. S65-0195
CABINET TYPE: TS-2
CONTROLLER TYPE: ASC/3

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
DATE _____ REGION TRAFFIC ENGINEER
APPROVED
DATE _____ STATE TRAFFIC ENGINEER

REGION CONTACT:
DESIGNED BY: SEH
REVISED BY:

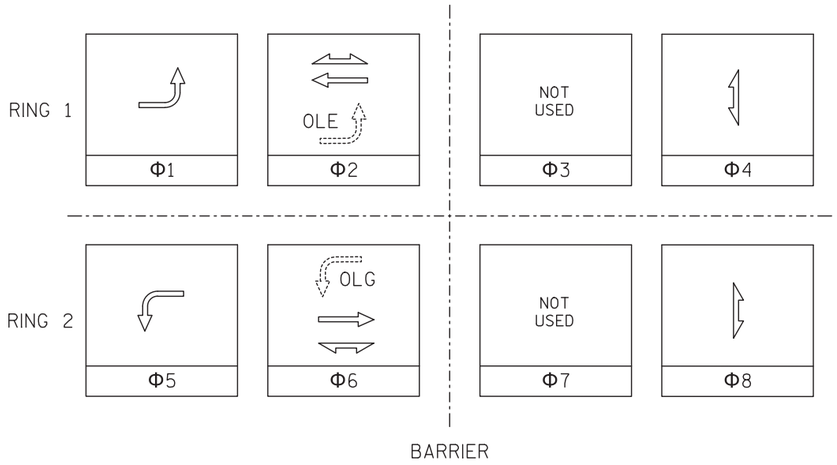
PAGE 1 OF 2

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	TRAFFIC SIGNAL PLAN	SHEET 185	E

FILE NAME : G:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\024000_SP.DWG
LAYOUT NAME - 024025_sp
PLOT DATE : 8/25/2021 3:34 PM
PLOT BY : JOSHUA WOLLER
PLOT NAME :
PLOT SCALE : 1.0 IN = 40.0 FT

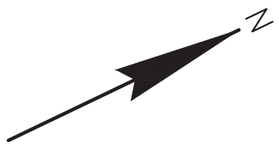
WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
Φ1	4,5	R ←
Φ2	6,7,8	R
Φ5	9,10	R ←
Φ6	1,2,3	R
Φ2 P	21,22	
Φ4 P	41,42	
Φ6 P	61,62	
Φ8 P	81,82	
OLE	4,5	-
OLG	9,10	-



GENERAL NOTES: SEQUENCE OF OPERATION

1. ANY ACTUATED PHASE FOR WHICH THERE IS NO CALL SHALL BE SKIPPED.
2. WHEN ONE PHASE IS ON ALONE, ANY NONCONFLICTING PHASE MAY START TIMING CONCURRENTLY. SEE CHART 1.



CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W/Φ	PHASE RECALL	PHASE ACTIVE
1		6		X
2	X	6	MIN.	X
3				
4				X
5		2		X
6	X	2	MIN.	X
7				
8				

CHART 1

PHASE ON	NONCONFLICTING PHASE ALLOWED TO TIME CONCURRENTLY	PHASES IN CONFLICT WITH PHASE ON
1	5 OR 6	2
2	5 OR 6	1
3	NOT USED	
4	NONE	1,2,5,6
5	1 OR 2	6
6	1 OR 2	5
7	NOT USED	
8	NOT USED	

TYPE OF INTERCONNECT/COMMUNICATION

NONE	
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	X
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	

TYPE OF COORDINATION

NONE	X
TBC	
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NUMBER	S_-_-____
SIGNAL SYSTEM NUMBER	SS-_-_-____

TYPE OF LIGHTING

BY OTHER AGENCY	
IN TRAFFIC SIGNAL CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF PRE-EMPT

NONE	
RAILROAD	
EMERGENCY VEHICLE	X
GTT	
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTION	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13	19	17	23	21	27	25	31	29	DETECTOR INPUT
PLAN LOOP DETECTOR*(S)	11	21	52														PLAN LOOP DETECTOR*(S)
CALLED PHASE	1	2	5														CALLED PHASE
CALL OPTION	X	X	X														CALL OPTION
DELAY TIME																	DELAY TIME
EXTENTION OPTION	X	X	X														EXTENTION OPTION
EXTEND TIME																	EXTEND TIME
USE ADDED INITIAL	X	X	X														USE ADDED INITIAL
CROSS SWITCH PHASE																	CROSS SWITCH PHASE

DETECTOR INPUT	4	2	8	6	12	10	16	14	20	18	24	22	28	26	32	30	DETECTOR INPUT
PLAN LOOP DETECTOR*(S)	12	51	61														PLAN LOOP DETECTOR*(S)
CALLED PHASE	1	5	6														CALLED PHASE
CALL OPTION	X	X	X														CALL OPTION
DELAY TIME																	DELAY TIME
EXTENTION OPTION	X	X	X														EXTENTION OPTION
EXTEND TIME																	EXTEND TIME
USE ADDED INITIAL	X	X	X														USE ADDED INITIAL
CROSS SWITCH PHASE																	CROSS SWITCH PHASE

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
PREEMPTION CHANNEL	3	4	5	6
MOVEMENT	←	→		
DIRECTION	SB	NB		
PHASE	2+5	6+1		

NOTES: FULL CLEARANCE AND MINIMUM GREEN INTERVALS SHALL ALWAYS BE PROVIDED.

TRAFFIC CONTROL SIGNAL
USH 63 (RIVER ST) &
WALNUT ST
CITY OF SPOONER
WASHBURN COUNTY

SIGNAL NO. S65-0195

REGION CONTACT:
DESIGNED BY: SEH
REVISED BY:

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	SEQUENCE OF OPERATION	SHEET 186	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\024000_SP.DWG
LAYOUT NAME - 024026_sp_ph
PLOT DATE : 7/30/2021 10:59 AM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : NTS
WISDOT/CADDS SHEET 42

PROJECT ID:	1560-00-70
INTERSECTION:	USH 63 (RIVER STREET) & WALNUT STREET

SIGNAL WIRE COLOR CODING			
	BLK - BLACK	RED - RED	GRN - GREEN
	WHT - WHITE	BLU - BLUE	ORG - ORANGE

CB_ TO	JUMPER	AWG 14 # OF COND.	HEAD NO.	PHASE	SIGNAL INDICATION WIRE COLOR									PED BUTTON	OTHER
					RED	YELLOW	GREEN	<RED>	<YELLOW>	<GREEN>	<FLASHING> <YELLOW>	D/WALK	WALK		
SB1		7	21	2 PED	RED	ORG	GRN					BLK	BLU		
SB2		12	4	1				RED/BLK	ORG/BLK	GRN/BLK	BLU/BLK				
SB2			6	2	RED	ORG	GRN								
SB2			43	4 PED								BLK	BLU		
SB3		12	2	6	RED	ORG	GRN								
SB3			3	6	RED	ORG	GRN								
SB3			5	1				RED/BLK	ORG/BLK	GRN/BLK	BLU/BLK				
SB3			44	4 PED								BLK	BLU		
SB4		7	62	6 PED								BLK	BLU		
SB5		7	61	6 PED								BLK	BLU		
SB6		12	1	6	RED	ORG	GRN								
SB6			9	5				RED/BLK	ORG/BLK	GRN/BLK	BLU/BLK				
SB6			41	4 PED								BLK	BLU		
SB7		12	7	2	RED	ORG	GRN								
SB7			8	2	RED	ORG	GRN								
SB7			10	5				RED/BLK	ORG/BLK	GRN/BLK	BLU/BLK				
SB7			42	4 PED								BLK	BLU		
SB8		7	22	2 PED								BLK	BLU		

EQUIPMENT GROUNDING	
FROM	TO
CB1	SB1
SB1	SB2
SB2	SB3
SB3	SB4
SB4	SB5
SB5	SB6
SB6	SB7
SB7	SB8
SB8	CB1

PULL BOX BONDING JUMPER 10 AWG	
FROM	TO

LIGHTING UF 2-12 AWG	
FROM	TO
CB1	SB3
CB1	SB7

EVP CABLE	
FROM	TO
CB1	SB3 (HEAD B)
CB1	SB7 (HEAD A)

PED BUTTON (LOOP LEAD-IN CABLE)	
FROM	TO
CB1	SB1
CB1	SB2
CB1	SB3
CB1	SB4
CB1	SB5
CB1	SB6
CB1	SB7
CB1	SB8

*USE THE WHITE CONDUCTOR IN THE CABLE ASSEMBLY AS THE GROUNDED CONDUCTOR FOR ALL TRAFFIC SIGNAL INDICATIONS
*ENSURE THE GROUNDED CONDUCTOR IN THE FEEDER CABLE AND THE POLE CABLES ARE BOTH 12" LONGER THAN THE UNGROUNDED CONDUCTORS.
*AT THE SIGNAL BASES, CONNECT ONE TERMINAL FROM THE PEDESTRAIN PUSH BUTTONS TO THE COLOR INDICATED IN THE CHART. CONNECT THE OTHER TERMINAL TO THE GROUNDED CONDUCTOR.
"OTHER" COLUMN MAY INCLUDE SHADOW BOX SIGN
*ALL CABLES SHALL BE LABELED WITH SIGNAL BASE NUMBER AT BOTH ENDS OF CABLE.

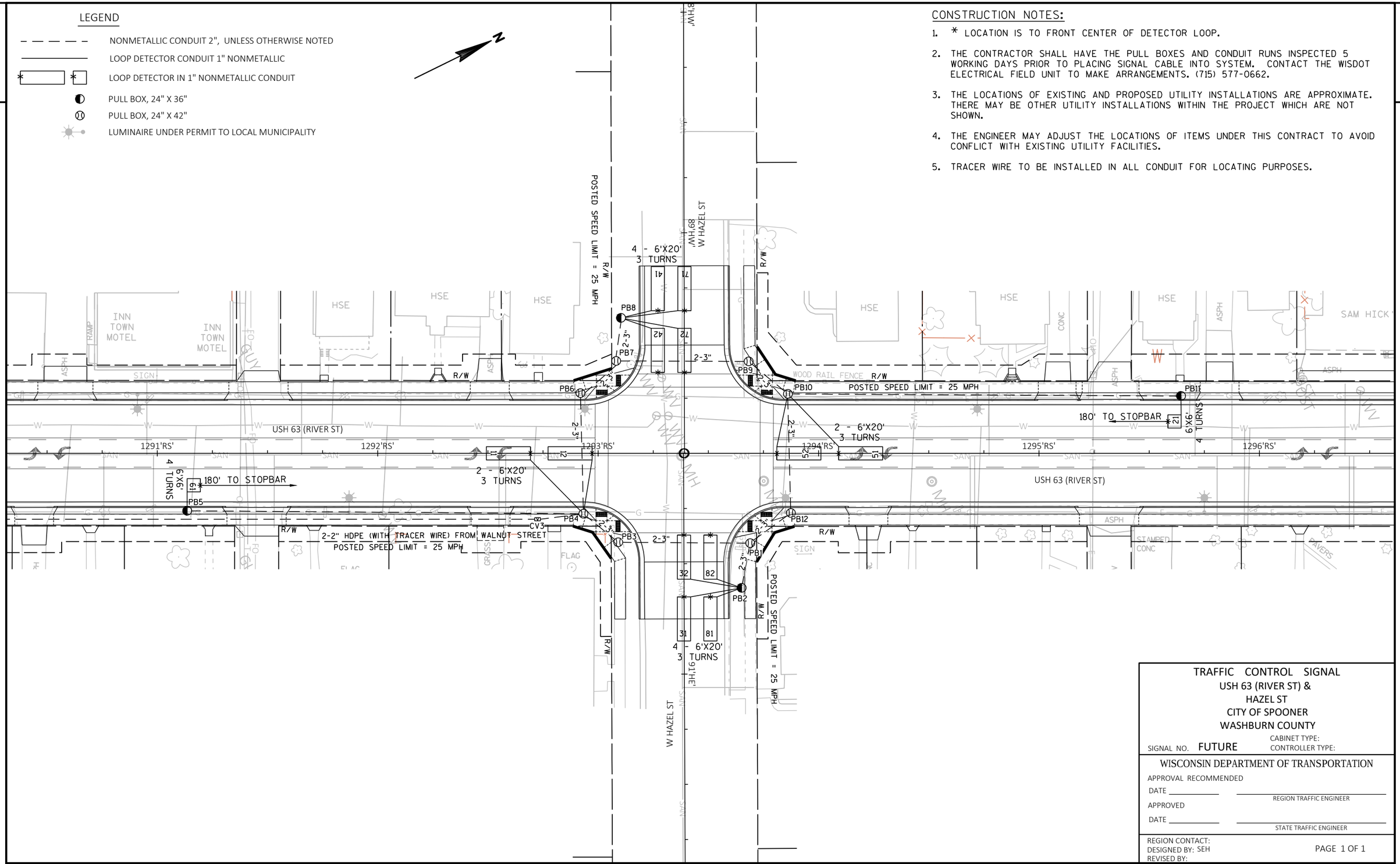
2

LEGEND

- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- LUMINAIRE UNDER PERMIT TO LOCAL MUNICIPALITY

CONSTRUCTION NOTES:

1. * LOCATION IS TO FRONT CENTER OF DETECTOR LOOP.
2. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING SIGNAL CABLE INTO SYSTEM. CONTACT THE WISDOT ELECTRICAL FIELD UNIT TO MAKE ARRANGEMENTS. (715) 577-0662.
3. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
4. THE ENGINEER MAY ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH EXISTING UTILITY FACILITIES.
5. TRACER WIRE TO BE INSTALLED IN ALL CONDUIT FOR LOCATING PURPOSES.



TRAFFIC CONTROL SIGNAL
USH 63 (RIVER ST) &
HAZEL ST
CITY OF SPOONER
WASHBURN COUNTY

SIGNAL NO. FUTURE
CABINET TYPE:
CONTROLLER TYPE:

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
DATE _____ REGION TRAFFIC ENGINEER

APPROVED
DATE _____ STATE TRAFFIC ENGINEER

REGION CONTACT:
DESIGNED BY: SEH
REVISED BY:

PAGE 1 OF 1

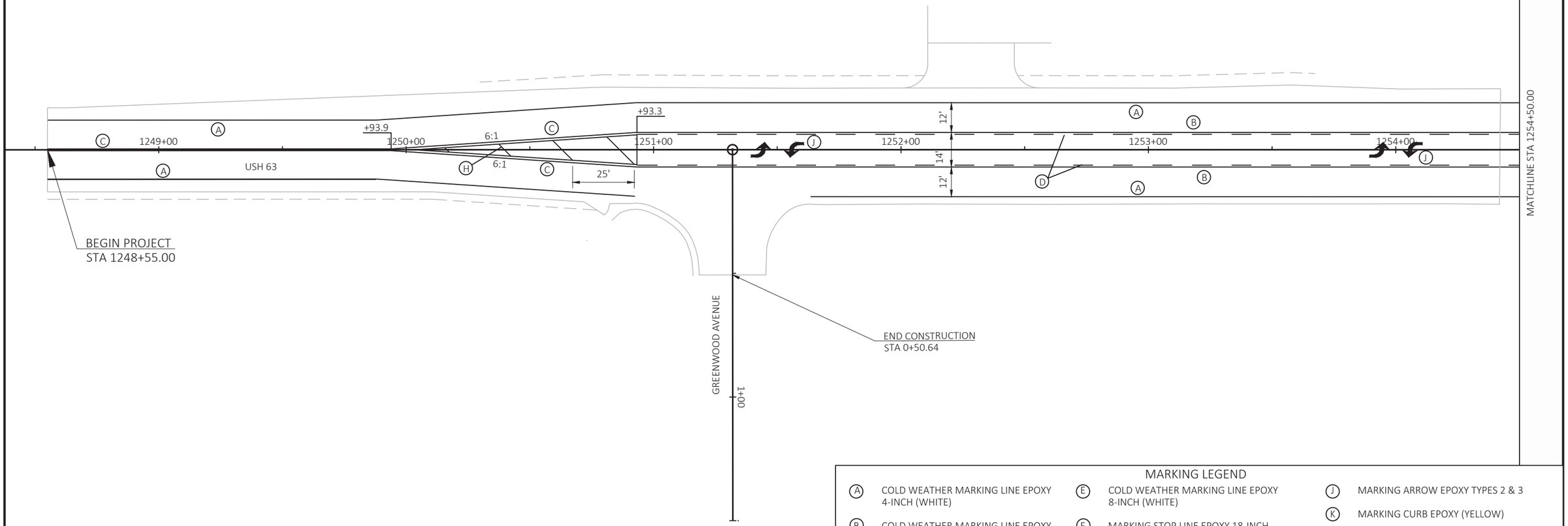
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	TRAFFIC SIGNAL PLAN	SHEET 188	E

FILE NAME : G:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\024000_SP.DWG
LAYOUT NAME - 024035_sp

PLOT DATE : 8/25/2021 3:34 PM PLOT BY : JOSHUA WOLLER PLOT NAME : PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

2



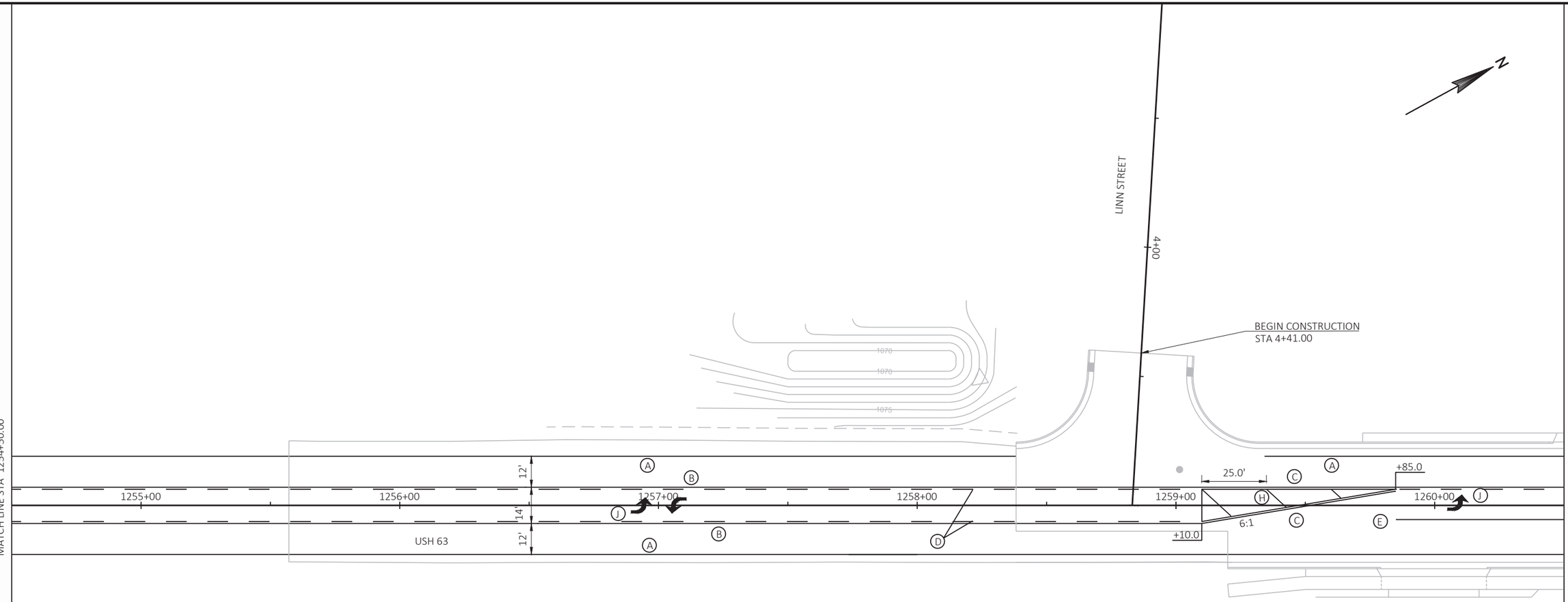
MARKING LEGEND

- (A) COLD WEATHER MARKING LINE EPOXY 4-INCH (WHITE)
- (B) COLD WEATHER MARKING LINE EPOXY 4-INCH (YELLOW)
- (C) COLD WEATHER MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- (D) COLD WEATHER MARKING LINE EPOXY 4-INCH (YELLOW DASHED)
- (E) COLD WEATHER MARKING LINE EPOXY 8-INCH (WHITE)
- (F) MARKING STOP LINE EPOXY 18-INCH
- (G) MARKING DOTTED EXTENSION EPOXY 18-INCH
- (H) MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- (I) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
- (J) MARKING ARROW EPOXY TYPES 2 & 3
- (K) MARKING CURB EPOXY (YELLOW)
- (L) MARKING ISLAND NOSE EPOXY (YELLOW)
- (M) MARKING WORD EPOXY

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	PAVEMENT MARKING	SHEET 189	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\024501 PM.DWG
LAYOUT NAME - 1
PLOT DATE : 8/24/2021 9:35 AM
PLOT BY : ANNIE JEROME
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

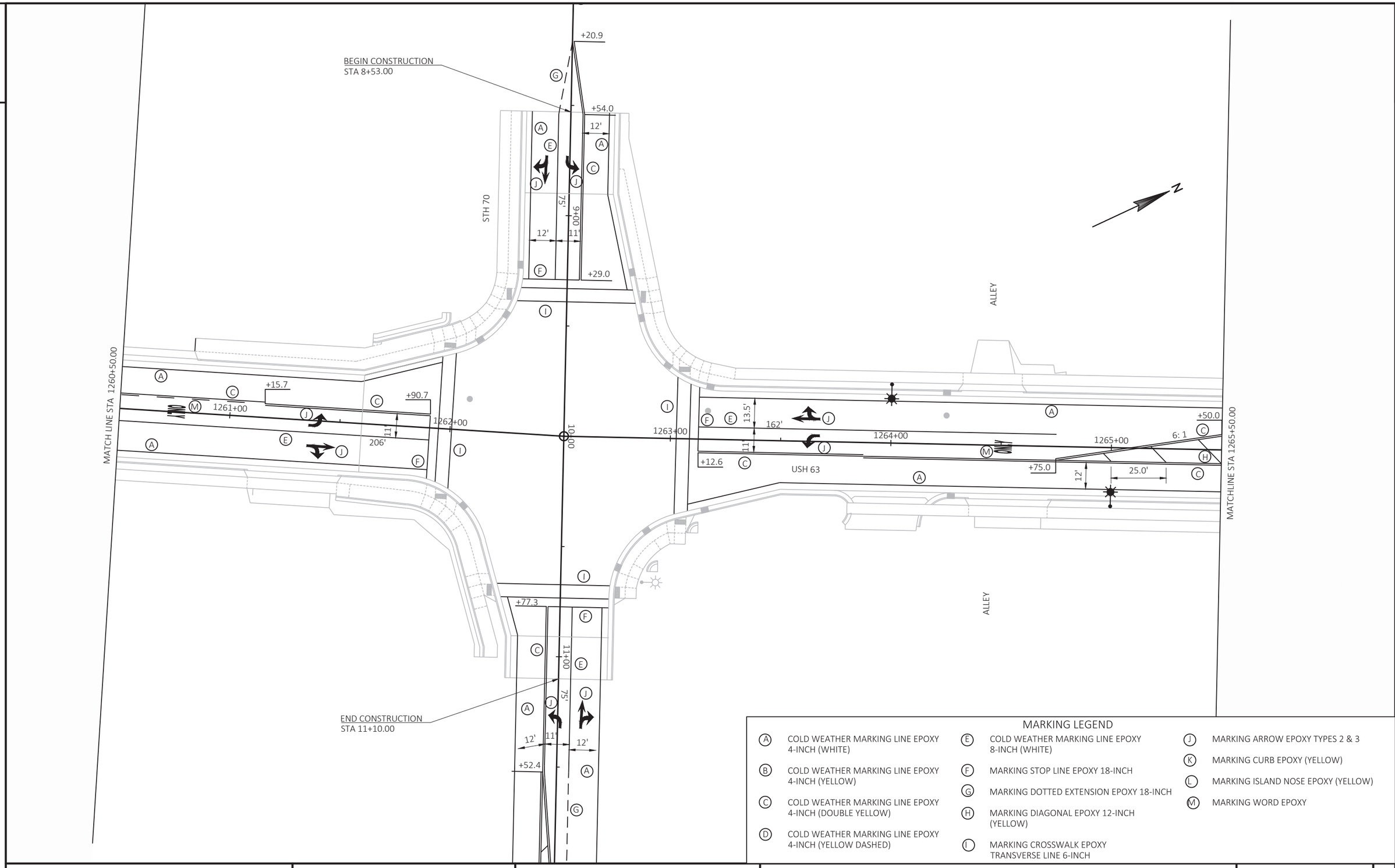


MARKING LEGEND

- (A) COLD WEATHER MARKING LINE EPOXY 4-INCH (WHITE)
- (B) COLD WEATHER MARKING LINE EPOXY 4-INCH (YELLOW)
- (C) COLD WEATHER MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- (D) COLD WEATHER MARKING LINE EPOXY 4-INCH (YELLOW DASHED)
- (E) COLD WEATHER MARKING LINE EPOXY 8-INCH (WHITE)
- (F) MARKING STOP LINE EPOXY 18-INCH
- (G) MARKING DOTTED EXTENSION EPOXY 18-INCH
- (H) MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- (I) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
- (J) MARKING ARROW EPOXY TYPES 2 & 3
- (K) MARKING CURB EPOXY (YELLOW)
- (L) MARKING ISLAND NOSE EPOXY (YELLOW)
- (M) MARKING WORD EPOXY

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	PAVEMENT MARKING	SHEET 190	E

2

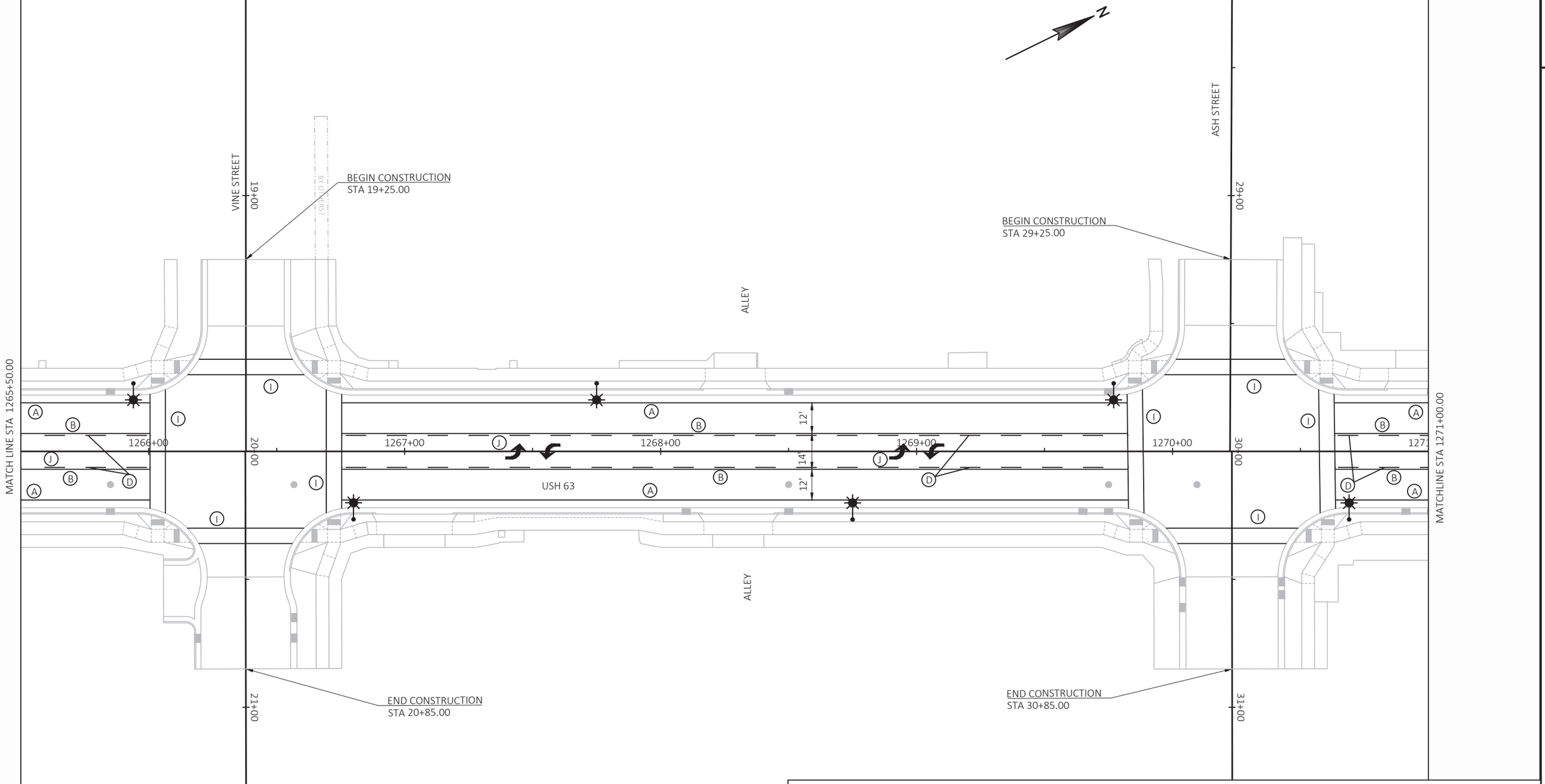


MARKING LEGEND

- (A) COLD WEATHER MARKING LINE EPOXY 4-INCH (WHITE)
- (B) COLD WEATHER MARKING LINE EPOXY 4-INCH (YELLOW)
- (C) COLD WEATHER MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- (D) COLD WEATHER MARKING LINE EPOXY 4-INCH (YELLOW DASHED)
- (E) COLD WEATHER MARKING LINE EPOXY 8-INCH (WHITE)
- (F) MARKING STOP LINE EPOXY 18-INCH
- (G) MARKING DOTTED EXTENSION EPOXY 18-INCH
- (H) MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- (I) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
- (J) MARKING ARROW EPOXY TYPES 2 & 3
- (K) MARKING CURB EPOXY (YELLOW)
- (L) MARKING ISLAND NOSE EPOXY (YELLOW)
- (M) MARKING WORD EPOXY

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	PAVEMENT MARKING	SHEET 191	E

2



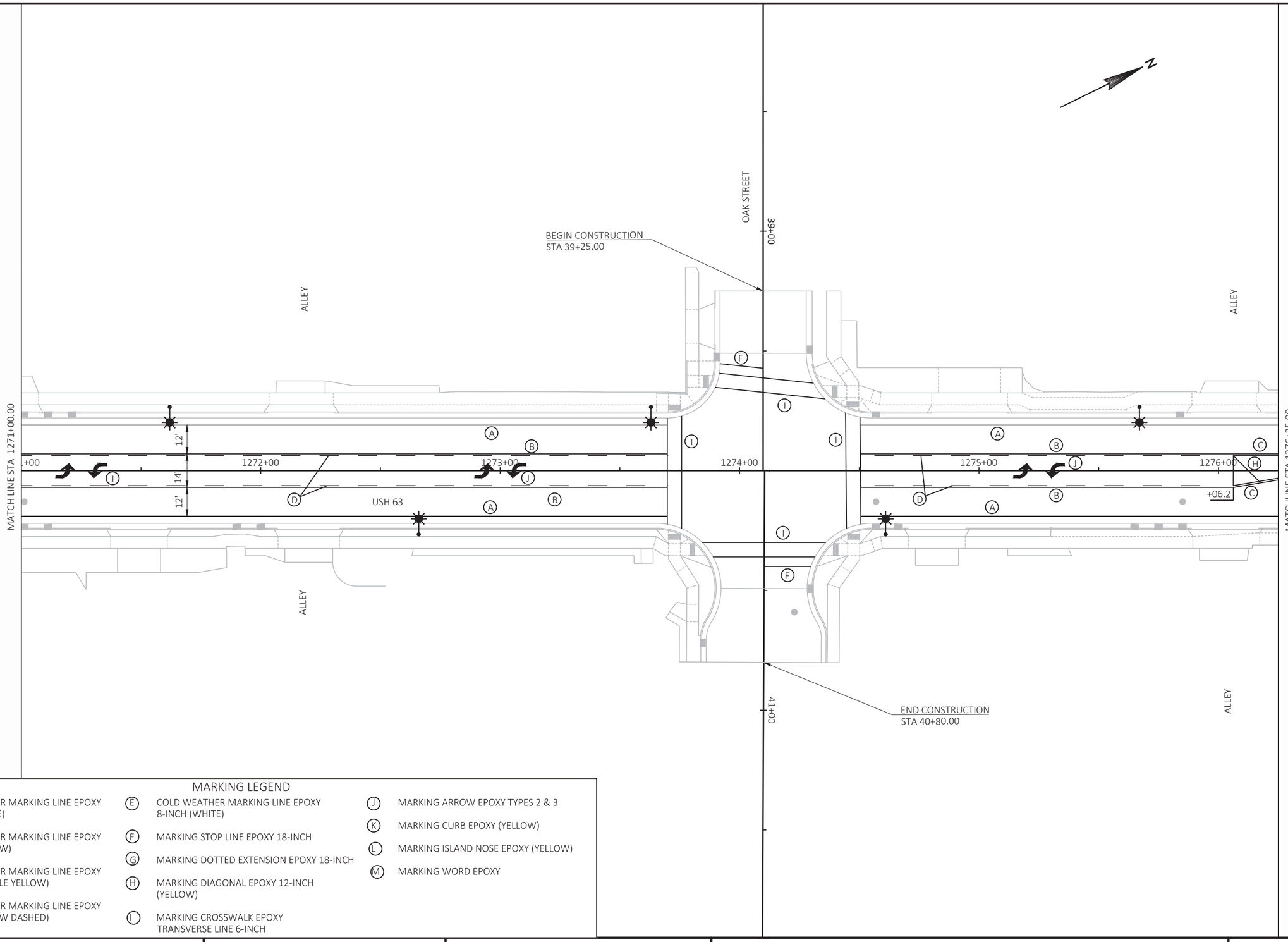
MARKING LEGEND

- (A) COLD WEATHER MARKING LINE EPOXY 4-INCH (WHITE)
- (B) COLD WEATHER MARKING LINE EPOXY 4-INCH (YELLOW)
- (C) COLD WEATHER MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- (D) COLD WEATHER MARKING LINE EPOXY 4-INCH (YELLOW DASHED)
- (E) COLD WEATHER MARKING LINE EPOXY 8-INCH (WHITE)
- (F) MARKING STOP LINE EPOXY 18-INCH
- (G) MARKING DOTTED EXTENSION EPOXY 18-INCH
- (H) MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- (I) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
- (J) MARKING ARROW EPOXY TYPES 2 & 3
- (K) MARKING CURB EPOXY (YELLOW)
- (L) MARKING ISLAND NOSE EPOXY (YELLOW)
- (M) MARKING WORD EPOXY

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	PAVEMENT MARKING	SHEET 192	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\024501 PM.DWG
LAYOUT NAME - 4
PLOT DATE : 8/24/2021 9:35 AM
PLOT BY : ANNIE JEROME
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

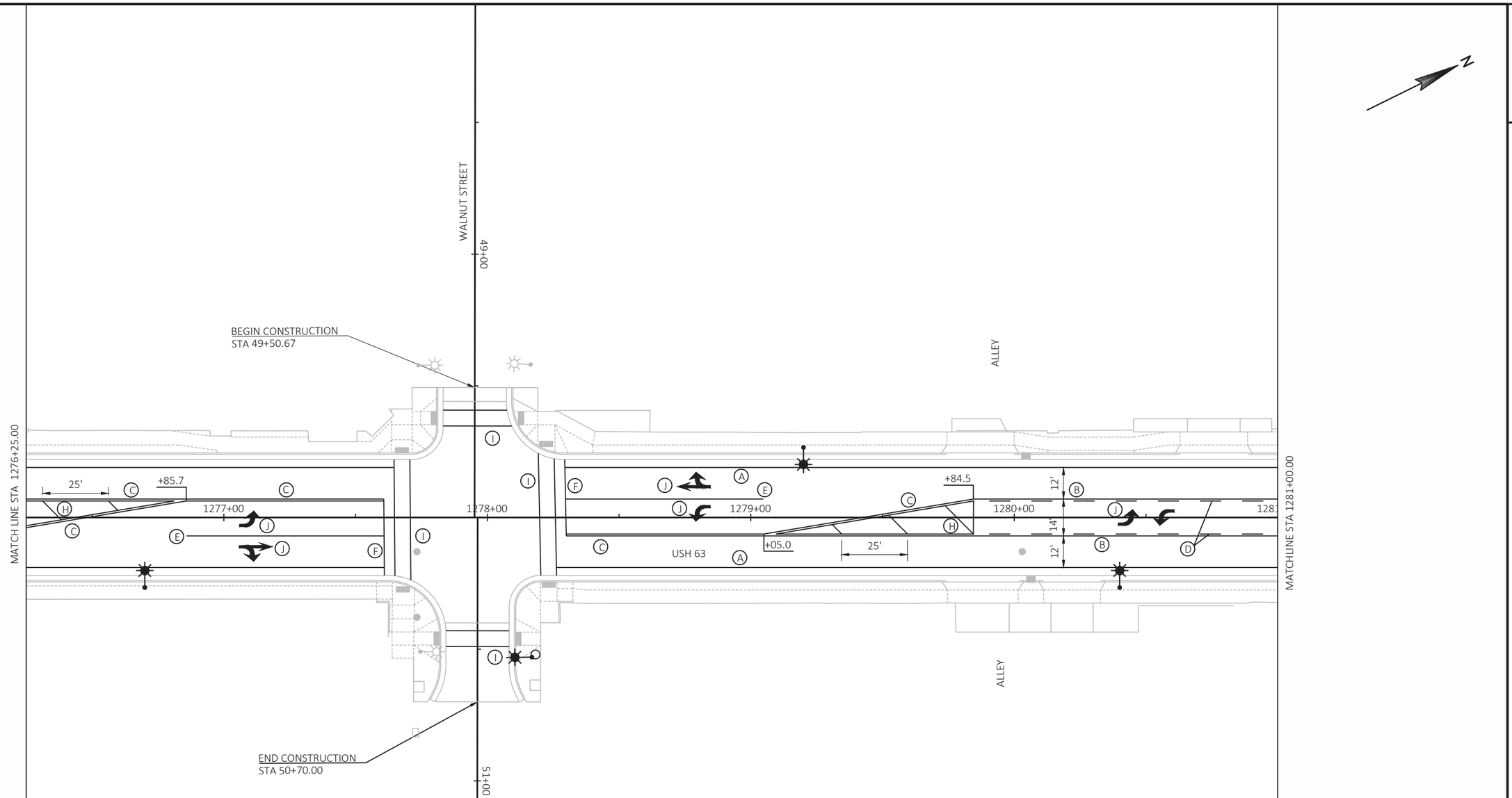


MARKING LEGEND

- (A) COLD WEATHER MARKING LINE EPOXY 4-INCH (WHITE)
- (B) COLD WEATHER MARKING LINE EPOXY 4-INCH (YELLOW)
- (C) COLD WEATHER MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- (D) COLD WEATHER MARKING LINE EPOXY 4-INCH (YELLOW DASHED)
- (E) COLD WEATHER MARKING LINE EPOXY 8-INCH (WHITE)
- (F) MARKING STOP LINE EPOXY 18-INCH
- (G) MARKING DOTTED EXTENSION EPOXY 18-INCH
- (H) MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- (I) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
- (J) MARKING ARROW EPOXY TYPES 2 & 3
- (K) MARKING CURB EPOXY (YELLOW)
- (L) MARKING ISLAND NOSE EPOXY (YELLOW)
- (M) MARKING WORD EPOXY

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	PAVEMENT MARKING	SHEET 193	E

2



MARKING LEGEND

- (A) COLD WEATHER MARKING LINE EPOXY 4-INCH (WHITE)
- (B) COLD WEATHER MARKING LINE EPOXY 4-INCH (YELLOW)
- (C) COLD WEATHER MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- (D) COLD WEATHER MARKING LINE EPOXY 4-INCH (YELLOW DASHED)
- (E) COLD WEATHER MARKING LINE EPOXY 8-INCH (WHITE)
- (F) MARKING STOP LINE EPOXY 18-INCH
- (G) MARKING DOTTED EXTENSION EPOXY 18-INCH
- (H) MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- (I) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
- (J) MARKING ARROW EPOXY TYPES 2 & 3
- (K) MARKING CURB EPOXY (YELLOW)
- (L) MARKING ISLAND NOSE EPOXY (YELLOW)
- (M) MARKING WORD EPOXY

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	PAVEMENT MARKING	SHEET 194	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\024501 PM.DWG
LAYOUT NAME - 6
PLOT DATE : 8/24/2021 9:35 AM
PLOT BY : ANNIE JEROME
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

N

ELM STREET

59+00

BEGIN CONSTRUCTION
STA 59+25.00

ALLEY

CTH K/PINE STREET

69+00

BEGIN CONSTRUCTION
STA 69+15.00

MATCH LINE STA 1281+00.00

+00

1282+00

1283+00

1284+00

1285+00

1286+00

MATCHLINE STA 1286+50.00

60+00

70+00

12'

14'

12'

USH 63

ALLEY

61+00

END CONSTRUCTION
STA 60+75.00

END CONSTRUCTION
STA 70+75.00

71+00

MARKING LEGEND

- (A) COLD WEATHER MARKING LINE EPOXY 4-INCH (WHITE)
- (B) COLD WEATHER MARKING LINE EPOXY 4-INCH (YELLOW)
- (C) COLD WEATHER MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- (D) COLD WEATHER MARKING LINE EPOXY 4-INCH (YELLOW DASHED)
- (E) COLD WEATHER MARKING LINE EPOXY 8-INCH (WHITE)
- (F) MARKING STOP LINE EPOXY 18-INCH
- (G) MARKING DOTTED EXTENSION EPOXY 18-INCH
- (H) MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
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- (J) MARKING ARROW EPOXY TYPES 2 & 3
- (K) MARKING CURB EPOXY (YELLOW)
- (L) MARKING ISLAND NOSE EPOXY (YELLOW)
- (M) MARKING WORD EPOXY

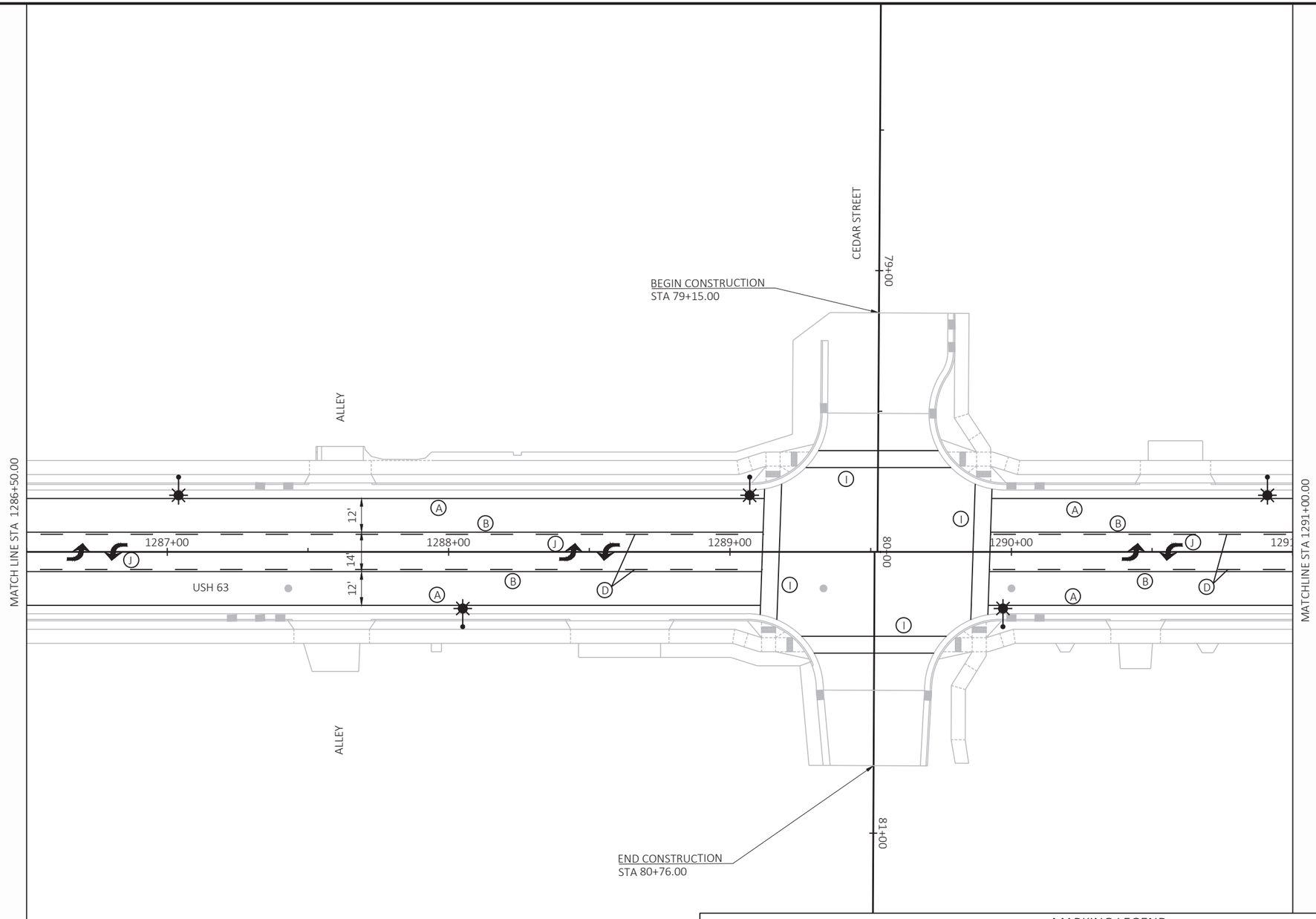
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	PAVEMENT MARKING	SHEET 195	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\024501 PM.DWG
LAYOUT NAME - 7

PLOT DATE : 8/24/2021 9:35 AM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

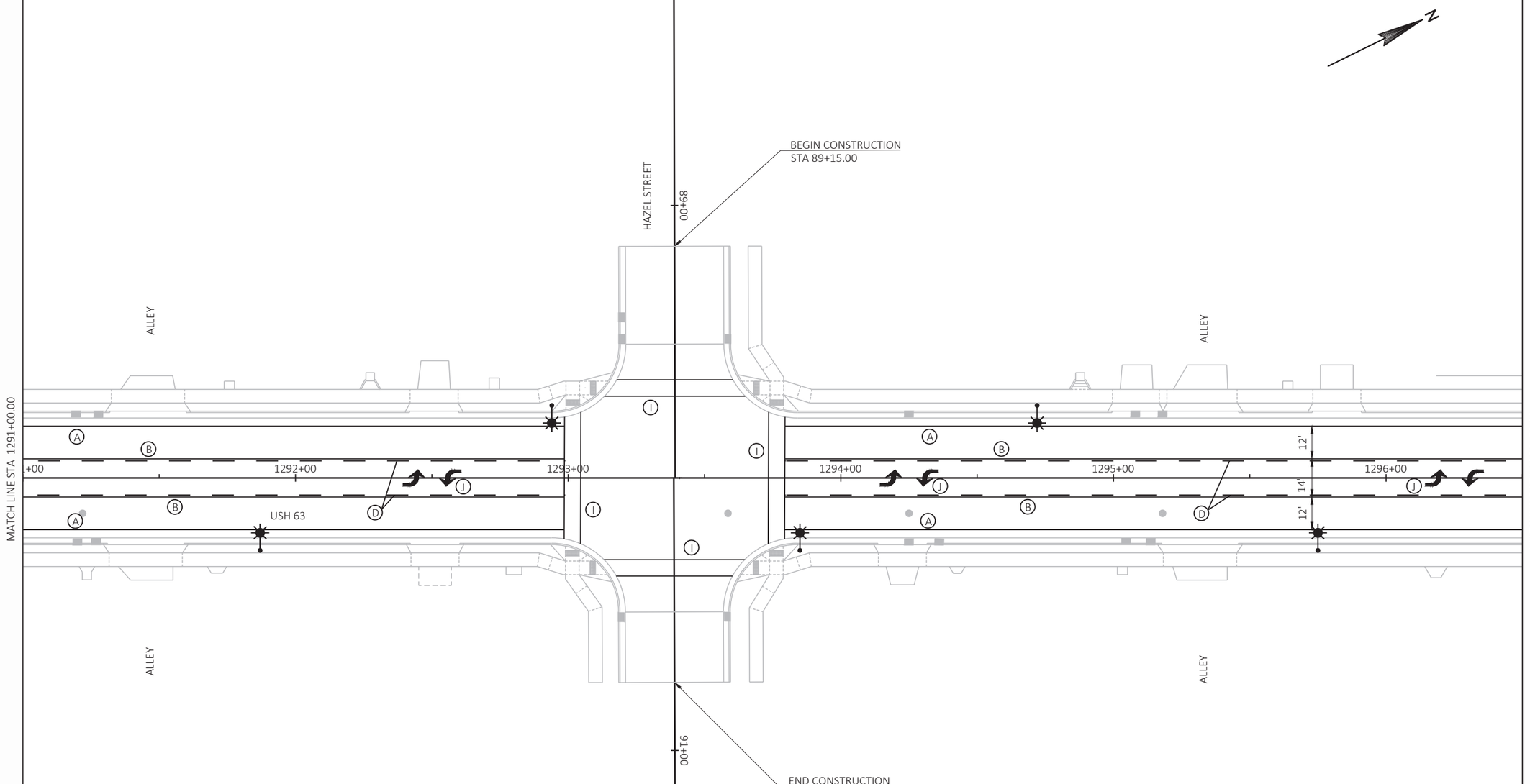


MARKING LEGEND

- (A) COLD WEATHER MARKING LINE EPOXY 4-INCH (WHITE)
- (B) COLD WEATHER MARKING LINE EPOXY 4-INCH (YELLOW)
- (C) COLD WEATHER MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- (D) COLD WEATHER MARKING LINE EPOXY 4-INCH (YELLOW DASHED)
- (E) COLD WEATHER MARKING LINE EPOXY 8-INCH (WHITE)
- (F) MARKING STOP LINE EPOXY 18-INCH
- (G) MARKING DOTTED EXTENSION EPOXY 18-INCH
- (H) MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- (I) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
- (J) MARKING ARROW EPOXY TYPES 2 & 3
- (K) MARKING CURB EPOXY (YELLOW)
- (L) MARKING ISLAND NOSE EPOXY (YELLOW)
- (M) MARKING WORD EPOXY

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	PAVEMENT MARKING	SHEET 196	E

2



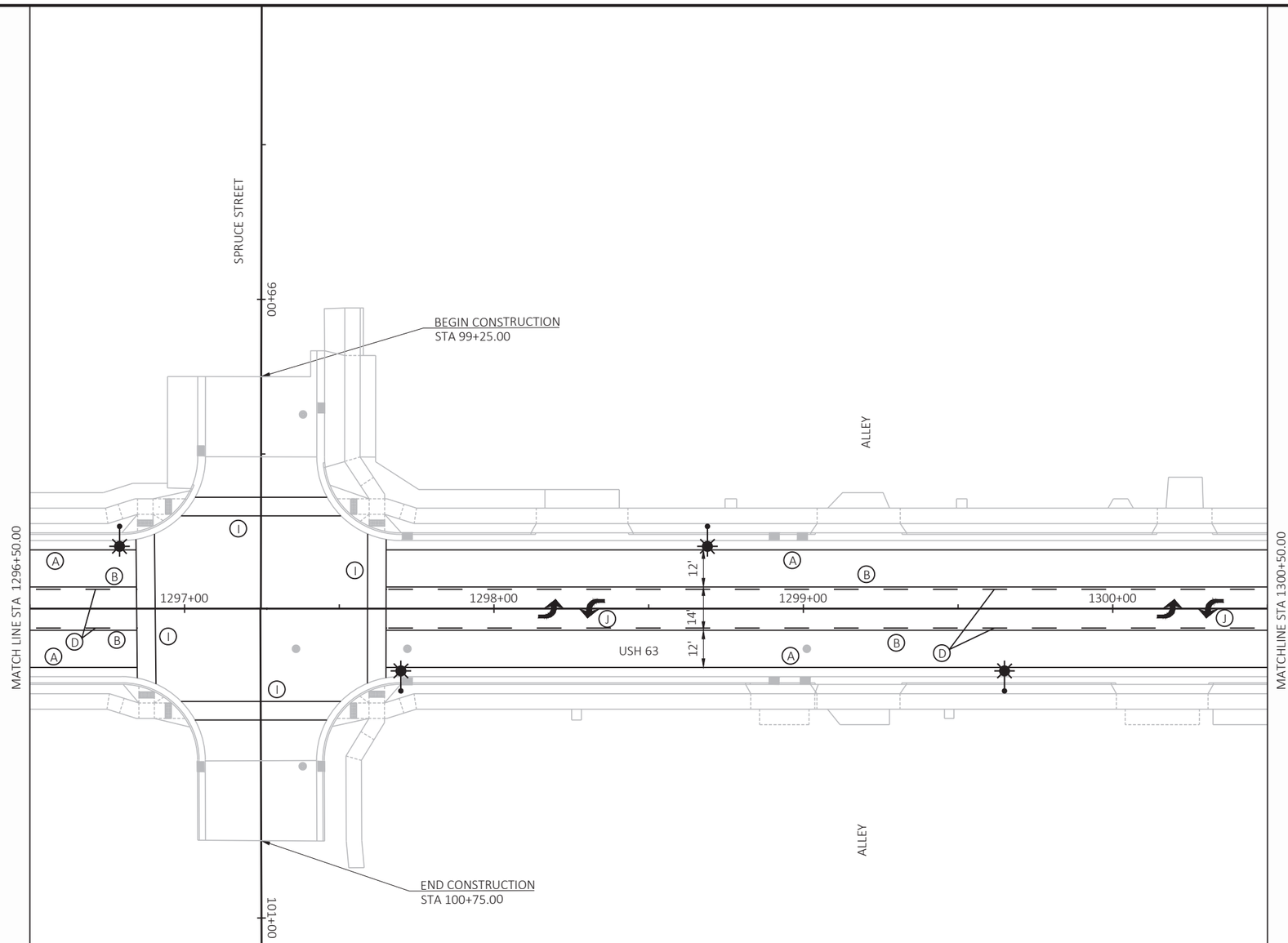
MARKING LEGEND

- (A) COLD WEATHER MARKING LINE EPOXY 4-INCH (WHITE)
- (B) COLD WEATHER MARKING LINE EPOXY 4-INCH (YELLOW)
- (C) COLD WEATHER MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- (D) COLD WEATHER MARKING LINE EPOXY 4-INCH (YELLOW DASHED)
- (E) COLD WEATHER MARKING LINE EPOXY 8-INCH (WHITE)
- (F) MARKING STOP LINE EPOXY 18-INCH
- (G) MARKING DOTTED EXTENSION EPOXY 18-INCH
- (H) MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- (I) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
- (J) MARKING ARROW EPOXY TYPES 2 & 3
- (K) MARKING CURB EPOXY (YELLOW)
- (L) MARKING ISLAND NOSE EPOXY (YELLOW)
- (M) MARKING WORD EPOXY

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	PAVEMENT MARKING	SHEET 197	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\024501 PM.DWG
LAYOUT NAME - 9
PLOT DATE : 8/24/2021 9:36 AM
PLOT BY : ANNIE JEROME
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



MARKING LEGEND

- (A) COLD WEATHER MARKING LINE EPOXY 4-INCH (WHITE)
- (B) COLD WEATHER MARKING LINE EPOXY 4-INCH (YELLOW)
- (C) COLD WEATHER MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- (D) COLD WEATHER MARKING LINE EPOXY 4-INCH (YELLOW DASHED)
- (E) COLD WEATHER MARKING LINE EPOXY 8-INCH (WHITE)
- (F) MARKING STOP LINE EPOXY 18-INCH
- (G) MARKING DOTTED EXTENSION EPOXY 18-INCH
- (H) MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
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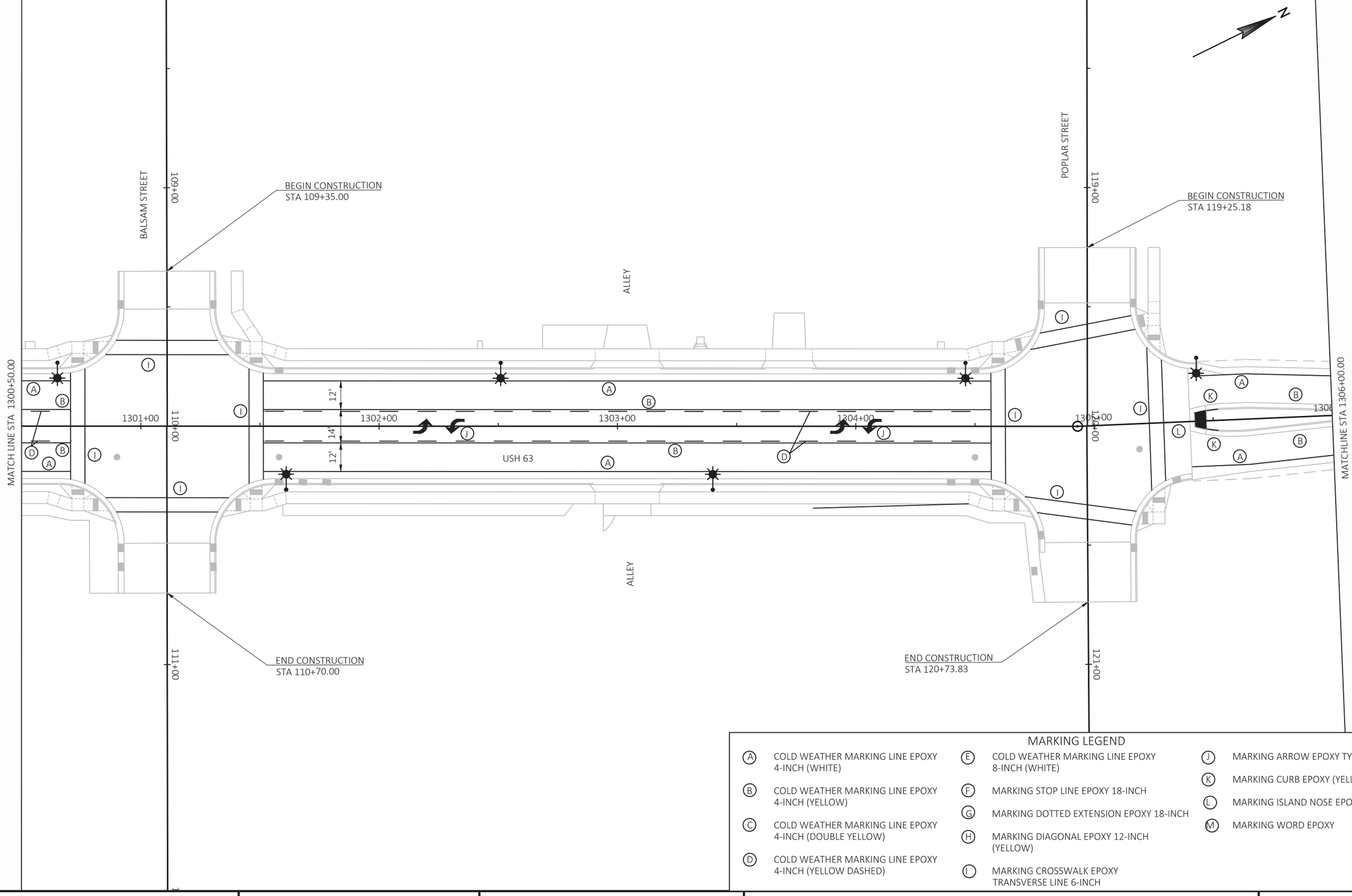
- (J) MARKING ARROW EPOXY TYPES 2 & 3
- (K) MARKING CURB EPOXY (YELLOW)
- (L) MARKING ISLAND NOSE EPOXY (YELLOW)
- (M) MARKING WORD EPOXY

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	PAVEMENT MARKING	SHEET 198	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\024501 PM.DWG
LAYOUT NAME - 10
PLOT DATE : 8/24/2021 9:36 AM
PLOT BY : ANNIE JEROME
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



MARKING LEGEND

- (A) COLD WEATHER MARKING LINE EPOXY 4-INCH (WHITE)
- (B) COLD WEATHER MARKING LINE EPOXY 4-INCH (YELLOW)
- (C) COLD WEATHER MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
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- (F) MARKING STOP LINE EPOXY 18-INCH
- (G) MARKING DOTTED EXTENSION EPOXY 18-INCH
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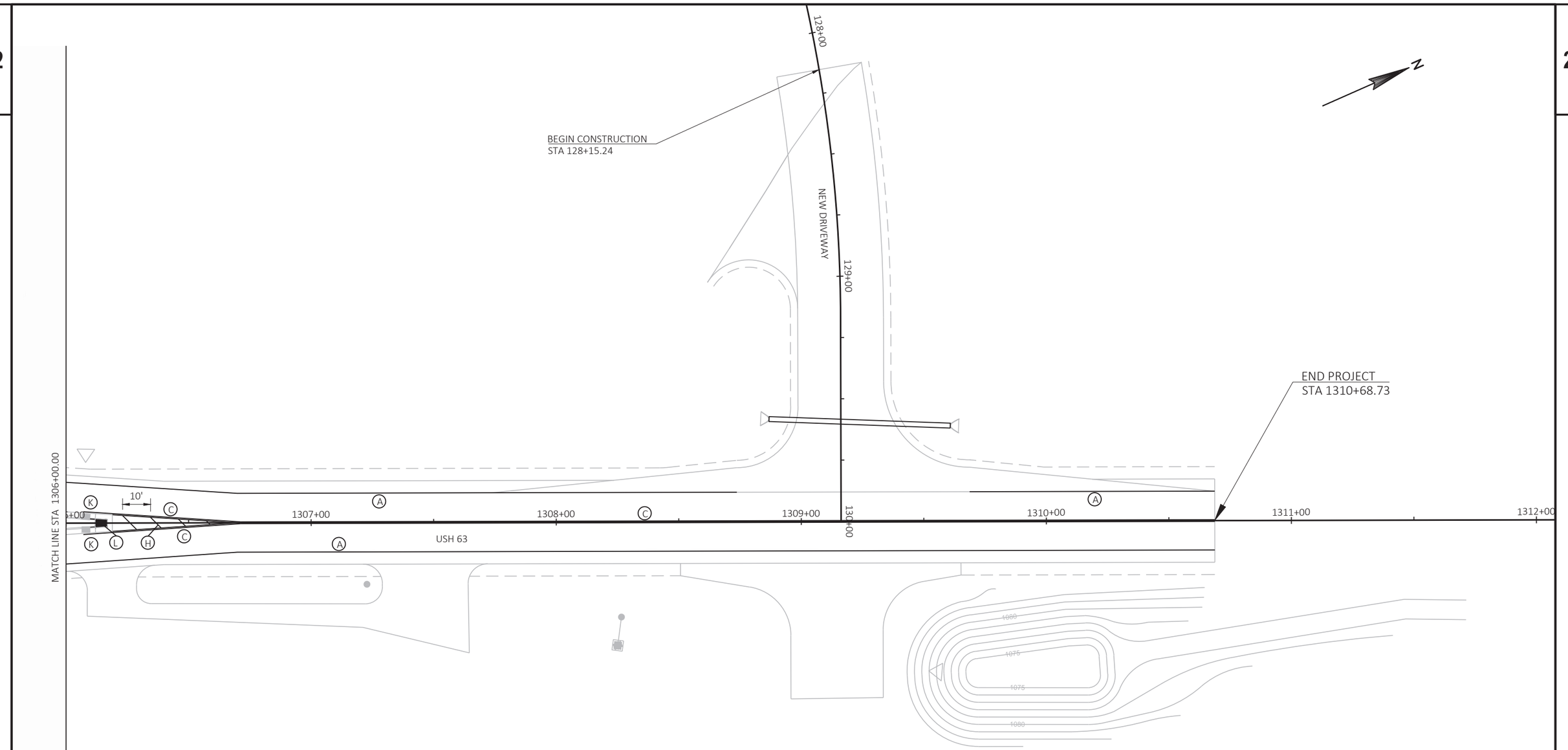
- (I) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
- (J) MARKING ARROW EPOXY TYPES 2 & 3
- (K) MARKING CURB EPOXY (YELLOW)
- (L) MARKING ISLAND NOSE EPOXY (YELLOW)
- (M) MARKING WORD EPOXY

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	PAVEMENT MARKING	SHEET 199	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\024501 PM.DWG
LAYOUT NAME - 11
PLOT DATE : 8/24/2021 9:36 AM
PLOT BY : ANNIE JEROME
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



MARKING LEGEND

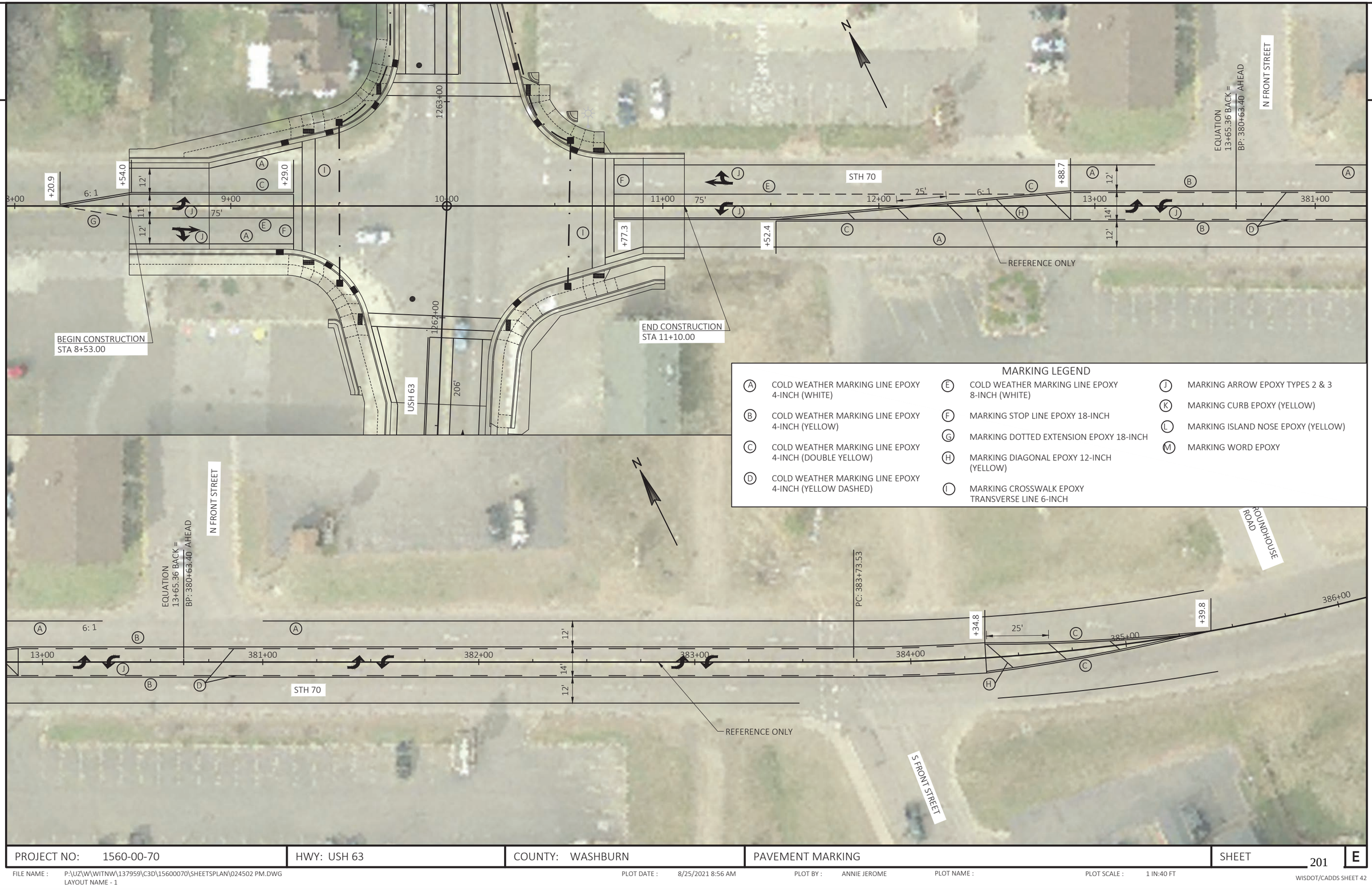
- (A) COLD WEATHER MARKING LINE EPOXY 4-INCH (WHITE)
- (B) COLD WEATHER MARKING LINE EPOXY 4-INCH (YELLOW)
- (C) COLD WEATHER MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- (D) COLD WEATHER MARKING LINE EPOXY 4-INCH (YELLOW DASHED)
- (E) COLD WEATHER MARKING LINE EPOXY 8-INCH (WHITE)
- (F) MARKING STOP LINE EPOXY 18-INCH
- (G) MARKING DOTTED EXTENSION EPOXY 18-INCH
- (H) MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- (I) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
- (J) MARKING ARROW EPOXY TYPES 2 & 3
- (K) MARKING CURB EPOXY (YELLOW)
- (L) MARKING ISLAND NOSE EPOXY (YELLOW)
- (M) MARKING WORD EPOXY

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	PAVEMENT MARKING	SHEET 200	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\024501 PM.DWG
LAYOUT NAME - 12
PLOT DATE : 8/24/2021 9:36 AM
PLOT BY : ANNIE JEROME
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2



MARKING LEGEND

- (A) COLD WEATHER MARKING LINE EPOXY 4-INCH (WHITE)
- (B) COLD WEATHER MARKING LINE EPOXY 4-INCH (YELLOW)
- (C) COLD WEATHER MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
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- (E) COLD WEATHER MARKING LINE EPOXY 8-INCH (WHITE)
- (F) MARKING STOP LINE EPOXY 18-INCH
- (G) MARKING DOTTED EXTENSION EPOXY 18-INCH
- (H) MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- (I) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
- (J) MARKING ARROW EPOXY TYPES 2 & 3
- (K) MARKING CURB EPOXY (YELLOW)
- (L) MARKING ISLAND NOSE EPOXY (YELLOW)
- (M) MARKING WORD EPOXY

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	PAVEMENT MARKING	SHEET 201	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\024502 PM.DWG
LAYOUT NAME - 1
PLOT DATE : 8/25/2021 8:56 AM
PLOT BY : ANNIE JEROME
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

N

STH 70 EB
DETOUR BEGINS

STH 70 WB
DETOUR ENDS

SIREN

FREDERIC

LUCK

Burnett County
Polk County

Polk County
Barron County

Burnett County
Washburn County
Barron County

US 63/STH 70
INTERSECTION
CLOSED TO
TRAFFIC

Spooner

Trego

Shell
Lake

Sarona

Barronett

Haugen

Cumberland

Rice Lake

US 63 SB/NB DETOUR
BEGINS/ENDS

PROJECT LIMITS
ID 1560-00-70

US 63 SB DETOUR MERGES
WITH STH 70 WB DETOUR

EB/WB STH 70 DETOUR
ENDS/BEGINS

NB/SB US 63 DETOUR
BEGINS/ENDS

STH 70 EB DETOUR
MERGES WITH US 63
DETOUR

SHEET 5

SHEET 4

SHEET 3

LEGEND

NB US 63/EB STH 70 DETOUR

SB US 63/WB STH 70 DETOUR

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	US 63/STH 70 DETOUR OVERVIEW - STAGE 1	SHEET	E

FILE NAME : ...±027001_dt-0view.dgn PLOT DATE : 7/26/2021 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

2

GENERAL DETOUR NOTES:

DETAILS AND LOCATION OF TRAFFIC CONTROL DEVICES NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND WISCONSIN SUPPLEMENT TO THE MUTCD.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS ARE APPROXIMATE AND SHALL BE ADJUSTED TO FIT FIELD CONDITIONS. INSTALL DETOUR ASSEMBLIES ADJACENT TO EXISTING ROUTE MARKERS WHEN POSSIBLE.

DURING HOURS OF DARKNESS ALL BARRICADES USED TO SHIELD A HAZARD SHALL BE EQUIPPED WITH "TYPE A" FLASHING WARNING LIGHTS.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED. USE LARGE SIZE M-SERIES SIGNS ON USH 53.

UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL DRIVEWAYS AT ALL TIMES DURING CONSTRUCTION.

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

"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

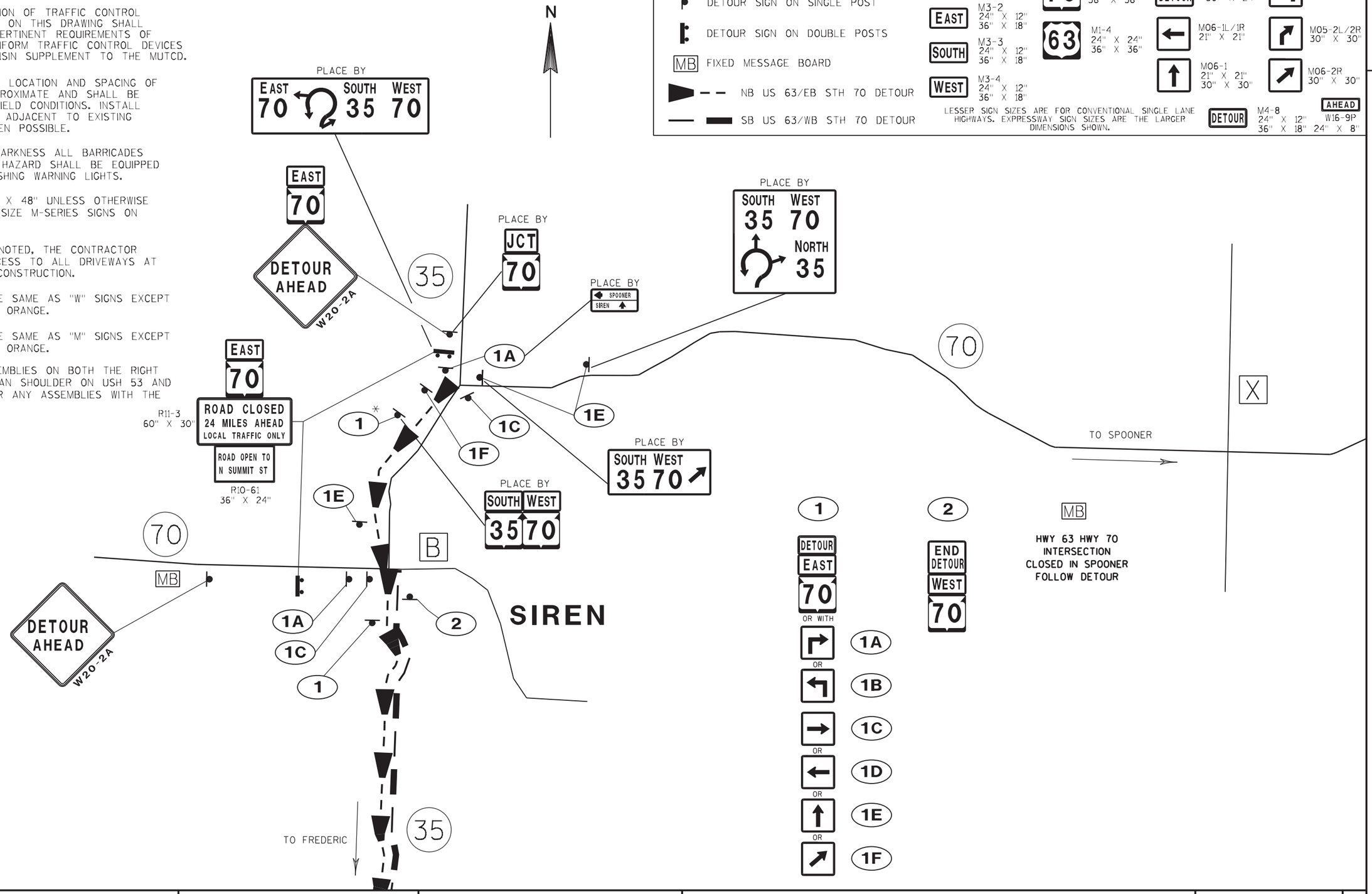
* PLACE DETOUR ASSEMBLIES ON BOTH THE RIGHT SHOULDER AND MEDIAN SHOULDER ON USH 53 AND STH 35 EXCEPT FOR ANY ASSEMBLIES WITH THE M06-2R ARROW.

LEGEND

- DETOUR SIGN ON SINGLE POST
- DETOUR SIGN ON DOUBLE POSTS
- MB FIXED MESSAGE BOARD
- NB US 63/EB STH 70 DETOUR
- SB US 63/WB STH 70 DETOUR

NORTH M3-1 24" X 12" 36" X 18"
EAST M3-2 24" X 12" 36" X 18"
SOUTH M3-3 24" X 12" 36" X 18"
WEST M3-4 24" X 12" 36" X 18"
70 M1-6 24" X 24" 36" X 36"
63 M1-4 24" X 24" 36" X 36"
END DETOUR M4-8A 24" X 18" 30" X 24"
M06-1L/1R 21" X 21"
M06-1 21" X 21" 30" X 30"
M05-1L/1R 21" X 21"
M05-2L/2R 30" X 30"
M06-2R 30" X 30"
DETOUR M4-8 24" X 12" 36" X 18" 24" X 8"
AHEAD W16-9P

LESSER SIGN SIZES ARE FOR CONVENTIONAL SINGLE LANE HIGHWAYS. EXPRESSWAY SIGN SIZES ARE THE LARGER DIMENSIONS SHOWN.



PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	STH 70 DETOUR STAGE 1 - SHEET 1	SHEET 203	E

EAST 70

DETOUR AHEAD W20-2A

TO SIREN

TO SPOONER

48 MB 1A FREDERIC 1C W 1 EAST 70

ROAD CLOSED 24 MILES AHEAD LOCAL TRAFFIC ONLY

ROAD OPEN TO N SUMMIT ST

R11-3 60" X 30"

R10-61 36" X 24"

35 1B 3 1D 3C 3A LUCK 48 I O E 3 1 48

1C 1A 35 MB 1 WITH AHEAD

1 DETOUR EAST 70 OR WITH 1A OR 1B OR 1C OR 1D OR 1E

3 DETOUR WEST 70 OR WITH 3A OR 3B OR 3C OR 3D OR 3E

MB HWY 63 HWY 70 INTERSECTION CLOSED IN SPOONER FOLLOW DETOUR

GENERAL DETOUR NOTES:

DETAILS AND LOCATION OF TRAFFIC CONTROL DEVICES NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND WISCONSIN SUPPLEMENT TO THE MUTCD.

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

"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

* PLACE DETOUR ASSEMBLIES ON BOTH THE RIGHT SHOULDER AND MEDIAN SHOULDER ON USH 53 AND STH 35 EXCEPT FOR ANY ASSEMBLIES WITH THE M06-2R ARROW.

LEGEND

- DETOUR SIGN ON SINGLE POST
- DETOUR SIGN ON DOUBLE POSTS
- MB FIXED MESSAGE BOARD
- NB US 63/EB STH 70 DETOUR
- SB US 63/WB STH 70 DETOUR

NORTH M3-1 24" X 12" 36" X 18"
EAST M3-2 24" X 12" 36" X 18"
SOUTH M3-3 24" X 12" 36" X 18"
WEST M3-4 24" X 12" 36" X 18"

70 M1-6 24" X 24" 36" X 36"
63 M1-4 24" X 24" 36" X 36"

END DETOUR M4-8A 24" X 18" 30" X 24"
M06-1L/1R 21" X 21"
M06-1 21" X 21" 30" X 30"

M05-1L/1R 21" X 21"
M05-2L/2R 30" X 30"
M06-2R 30" X 30"

DETOUR M4-8 24" X 12" 36" X 18"
AHEAD W16-9P 24" X 8"

LESSER SIGN SIZES ARE FOR CONVENTIONAL SINGLE LANE HIGHWAYS. EXPRESSWAY SIGN SIZES ARE THE LARGER DIMENSIONS SHOWN.

N

Burnett County

Barronett

63

Polk County

Barron County

TO SPOONER

B H 3 3A 63 3E 48 Cumberland 1B 1D 3C TO RICE LAKE P 63

2

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	STH 70 DETOUR STAGE 1 - SHEET 2	SHEET 204	E

LEGEND

DETOUR SIGN ON SINGLE POST

DETOUR SIGN ON DOUBLE POSTS

MB FIXED MESSAGE BOARD

NB US 63/EB STH 70 DETOUR

SB US 63/WB STH 70 DETOUR

NORTH M3-1 24" X 12" 36" X 18"

EAST M3-2 24" X 12" 36" X 18"

SOUTH M3-3 24" X 12" 36" X 18"

WEST M3-4 24" X 12" 36" X 18"

END DETOUR M4-8A 24" X 18" 30" X 24"

M06-1L/1R 21" X 21"

M06-1 21" X 21" 30" X 30"

70 M1-6 24" X 24" 36" X 36"

63 M1-4 24" X 24" 36" X 36"

AHEAD W16-9P 24" X 8"

M05-1L/1R 21" X 21"

M05-2L/2R 30" X 30"

M06-2R 30" X 30"

DETOUR M4-8 24" X 12" 36" X 18"

LESSER SIGN SIZES ARE FOR CONVENTIONAL SINGLE LANE HIGHWAYS. EXPRESSWAY SIGN SIZES ARE THE LARGER DIMENSIONS SHOWN.

1 — DETOUR / EAST / 70 — OR WITH — 1A, OR 1B, OR 1C, OR 1D, OR 1E

4 — DETOUR / NORTH EAST / 63 70 — OR WITH — 4A, OR 4B, OR 4C, OR 4D, OR 4E

5 — DETOUR / SOUTH WEST / 63 70 — OR WITH — 5A, OR 5B, OR 5C, OR 5D, OR 5E, OR 5F, OR 5G

6 — END DETOUR / SOUTH / 63

7 — DETOUR / NORTH / 63 — OR WITH — 7A, OR 7B, OR 7C, OR 7D, OR 7E

TO SPOONER

N

Haugen

Cumberland

Rice Lake

DETOUR AHEAD W20-2A

INSTALL EAST OF 11TH AVE

NORTH EAST 63 70

ROAD CLOSED 22 MILES AHEAD LOCAL TRAFFIC ONLY

R11-3 60" X 30"

ROAD OPEN TO GREENWOOD AVENUE

R10-61 36" X 24"

7 WITH AHEAD

GENERAL DETOUR NOTES:

* PLACE DETOUR ASSEMBLIES ON BOTH THE RIGHT SHOULDER AND MEDIAN SHOULDER ON USH 53 AND STH 35 EXCEPT FOR ANY ASSEMBLIES WITH THE M06-2R ARROW.

DETAILS AND LOCATION OF TRAFFIC CONTROL DEVICES NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND WISCONSIN SUPPLEMENT TO THE MUTCD.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS ARE APPROXIMATE AND SHALL BE ADJUSTED TO FIT FIELD CONDITIONS. INSTALL DETOUR ASSEMBLIES ADJACENT TO EXISTING ROUTE MARKERS WHEN POSSIBLE.

DURING HOURS OF DARKNESS ALL BARRICADES USED TO SHIELD A HAZARD SHALL BE EQUIPPED WITH "TYPE A" FLASHING WARNING LIGHTS.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED. USE LARGE SIZE M-SERIES SIGNS ON USH 53.

UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL DRIVEWAYS AT ALL TIMES DURING CONSTRUCTION.

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

"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	US 63/STH 70 DETOUR STAGE 1 - SHEET 3	SHEET E

FILE NAME : ...±027001_dt-Sheet 3.dgn PLOT DATE : 9/2/2021 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

LEGEND

- DETOUR SIGN ON SINGLE POST
- DETOUR SIGN ON DOUBLE POSTS
- MB FIXED MESSAGE BOARD
- NB US 63/EB STH 70 DETOUR
- SB US 63/WB STH 70 DETOUR

NORTH	M3-1 24" X 12" 36" X 18"	70	M1-6 24" X 24" 36" X 36"	END DETOUR	M4-8A 24" X 18" 30" X 24"		M05-1L/1R 21" X 21"
EAST	M3-2 24" X 12" 36" X 18"	63	M1-4 24" X 24" 36" X 36"		M06-1L/1R 21" X 21"		M05-2L/2R 30" X 30"
SOUTH	M3-3 24" X 12" 36" X 18"				M06-1 21" X 21" 30" X 30"		M06-2R 30" X 30"
WEST	M3-4 24" X 12" 36" X 18"						

LESSER SIGN SIZES ARE FOR CONVENTIONAL SINGLE LANE HIGHWAYS. EXPRESSWAY SIGN SIZES ARE THE LARGER DIMENSIONS SHOWN.

DETOUR M4-8 24" X 12" 36" X 18" AHEAD W16-9P 24" X 8"

GENERAL DETOUR NOTES:

DETAILS AND LOCATION OF TRAFFIC CONTROL DEVICES NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND WISCONSIN SUPPLEMENT TO THE MUTCD.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS ARE APPROXIMATE AND SHALL BE ADJUSTED TO FIT FIELD CONDITIONS. INSTALL DETOUR ASSEMBLIES ADJACENT TO EXISTING ROUTE MARKERS WHEN POSSIBLE.

DURING HOURS OF DARKNESS ALL BARRICADES USED TO SHIELD A HAZARD SHALL BE EQUIPPED WITH "TYPE A" FLASHING WARNING LIGHTS.

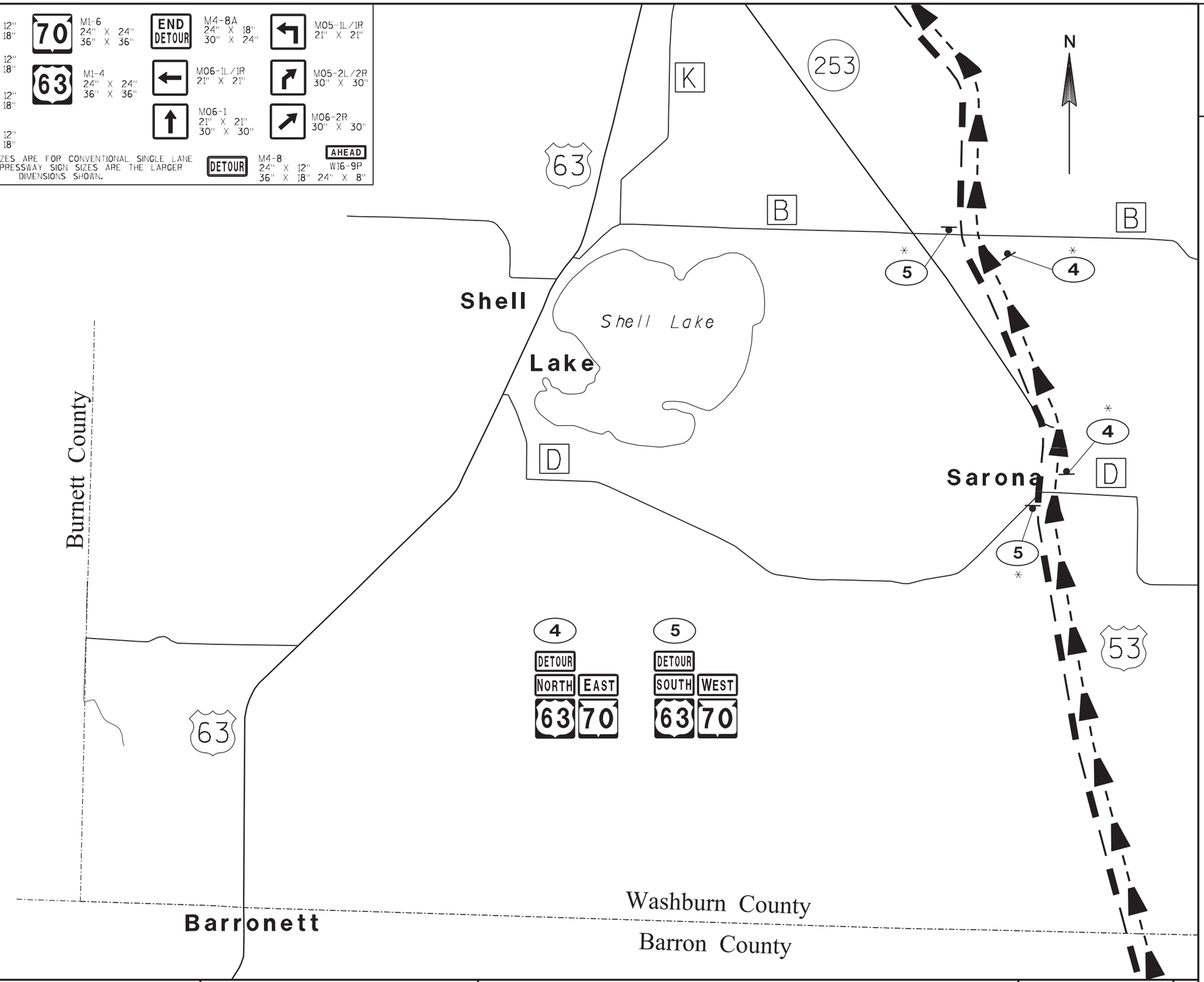
ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED. USE LARGE SIZE M-SERIES SIGNS ON USH 53.

UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL DRIVEWAYS AT ALL TIMES DURING CONSTRUCTION.

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

"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

* PLACE DETOUR ASSEMBLIES ON BOTH THE RIGHT SHOULDER AND MEDIAN SHOULDER ON USH 53 AND STH 35 EXCEPT FOR ANY ASSEMBLIES WITH THE M06-2R ARROW.



PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	US 63/STH 70 DETOUR SATGE 1 - SHEET 4	SHEET E

FILE NAME : ...±027001_dt-Sheet 4.dgn PLOT DATE : 9/2/2021 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

WISDOT/CADDS SHEET 42

GENERAL DETOUR NOTES:

DETAILS AND LOCATION OF TRAFFIC CONTROL DEVICES NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND WISCONSIN SUPPLEMENT TO THE MUTCD.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS ARE APPROXIMATE AND SHALL BE ADJUSTED TO FIT FIELD CONDITIONS. INSTALL DETOUR ASSEMBLIES ADJACENT TO EXISTING ROUTE MARKERS WHEN POSSIBLE.

DURING HOURS OF DARKNESS ALL BARRICADES USED TO SHIELD A HAZARD SHALL BE EQUIPPED WITH "TYPE A" FLASHING WARNING LIGHTS.

* PLACE DETOUR ASSEMBLIES ON BOTH THE RIGHT SHOULDER AND MEDIAN SHOULDER ON USH 53 AND STH 35 EXCEPT FOR ANY ASSEMBLIES WITH THE M06-2R ARROW.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED. USE LARGE SIZE M-SERIES SIGNS ON USH 53.

UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL DRIVEWAYS AT ALL TIMES DURING CONSTRUCTION.

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

"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

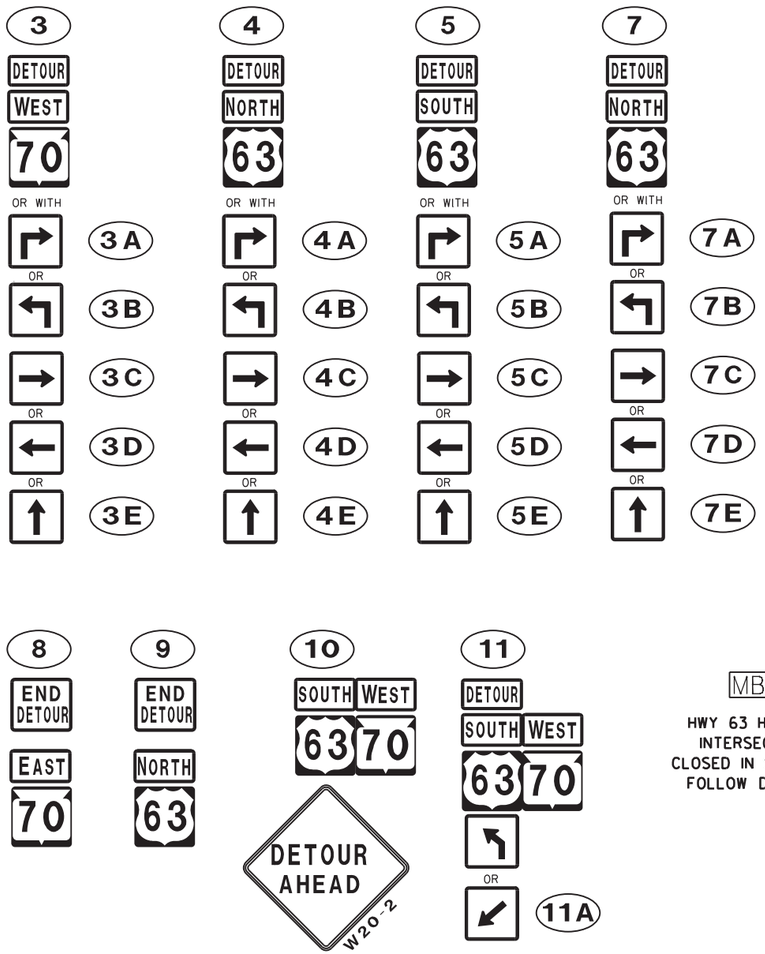
N

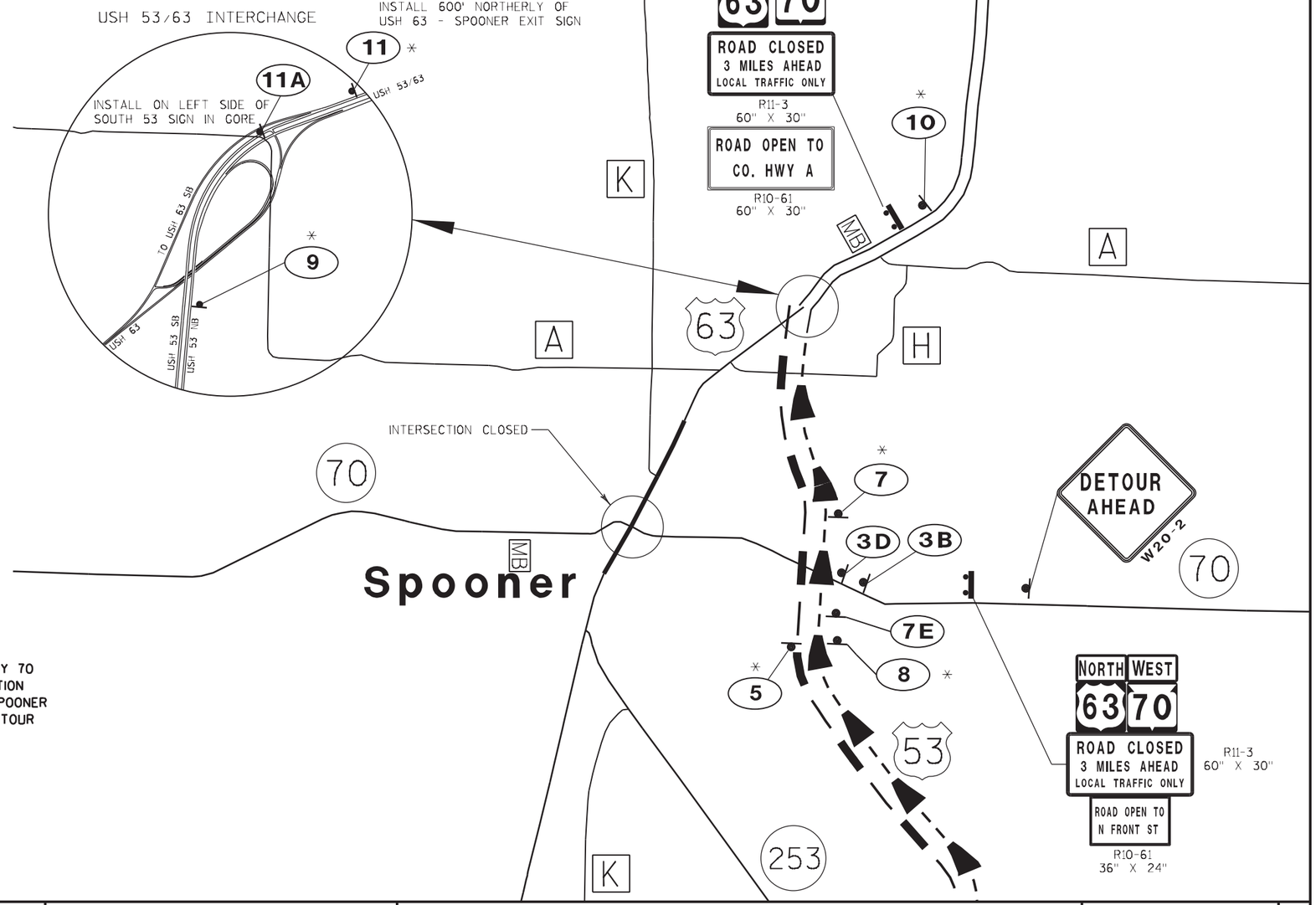
LEGEND

- DETOUR SIGN ON SINGLE POST
- DETOUR SIGN ON DOUBLE POSTS
- MB FIXED MESSAGE BOARD
- NB US 63/EB STH 70 DETOUR
- SB US 63/WB STH 70 DETOUR

NORTH M3-1 24" X 12" 36" X 18"
EAST M3-2 24" X 12" 36" X 18"
SOUTH M3-3 24" X 12" 36" X 18"
WEST M3-4 24" X 12" 36" X 18"
70 M1-6 24" X 24" 36" X 36"
63 M1-4 24" X 24" 36" X 36"
END DETOUR M4-8A 24" X 18" 30" X 24"
M06-1L/1R 21" X 21"
M06-1 21" X 21" 30" X 30"
M05-1L/1R 21" X 21"
M05-2L/2R 30" X 30"
M06-2R 30" X 30"
DETOUR M4-8 24" X 12" 36" X 18"
AHEAD W16-9P 24" X 8"

LESSER SIGN SIZES ARE FOR CONVENTIONAL SINGLE LANE HIGHWAYS. EXPRESSWAY SIGN SIZES ARE THE LARGER DIMENSIONS SHOWN.





8 END DETOUR EAST 70

9 END DETOUR NORTH 63

10 SOUTH WEST 63 70 DETOUR AHEAD W20-2

11 DETOUR SOUTH WEST 63 70 OR 11A

MB

HWY 63 HWY 70 INTERSECTION CLOSED IN SPOONER FOLLOW DETOUR

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	US 63/STH 70 DETOUR STAGE 1 -SHEET 5	SHEET 207	E

GENERAL DETOUR NOTES:

DETAILS AND LOCATION OF TRAFFIC CONTROL DEVICES NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND WISCONSIN SUPPLEMENT TO THE MUTCD.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS ARE APPROXIMATE AND SHALL BE ADJUSTED TO FIT FIELD CONDITIONS. INSTALL DETOUR ASSEMBLIES ADJACENT TO EXISTING ROUTE MARKERS WHEN POSSIBLE.

DURING HOURS OF DARKNESS ALL BARRICADES USED TO SHIELD A HAZARD SHALL BE EQUIPPED WITH "TYPE A" FLASHING WARNING LIGHTS.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED. USE LARGE SIZE M-SERIES SIGNS ON USH 53.

UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL DRIVEWAYS AT ALL TIMES DURING CONSTRUCTION.

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

"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

* PLACE DETOUR ASSEMBLIES ON BOTH THE RIGHT SHOULDER AND MEDIAN SHOULDER ON USH 53 AND STH 35 EXCEPT FOR ANY ASSEMBLIES WITH THE MO6-2R ARROW.

LEGEND

- DETOUR SIGN ON SINGLE POST
- DETOUR SIGN ON DOUBLE POSTS
- MB FIXED MESSAGE BOARD
- NB US 63/EB STH 70 DETOUR
- SB US 63/WB STH 70 DETOUR

NORTH M3-1 24" X 12" 36" X 18"
EAST M3-2 24" X 12" 36" X 18"
SOUTH M3-3 24" X 12" 36" X 18"
WEST M3-4 24" X 12" 36" X 18"
70 M1-6 24" X 24" 36" X 36"
63 M1-4 24" X 24" 36" X 36"
END DETOUR M4-8A 24" X 18" 30" X 24"
M06-1L/1R 21" X 21"
M06-1 21" X 21" 30" X 30"
M05-1L/1R 21" X 21"
M05-2L/2R 30" X 30"
M06-2R 30" X 30"
DETOUR M4-8 24" X 12" 36" X 18"
AHEAD W16-9P 24" X 8"

LESSER SIGN SIZES ARE FOR CONVENTIONAL SINGLE LANE HIGHWAYS. EXPRESSWAY SIGN SIZES ARE THE LARGER DIMENSIONS SHOWN.

N

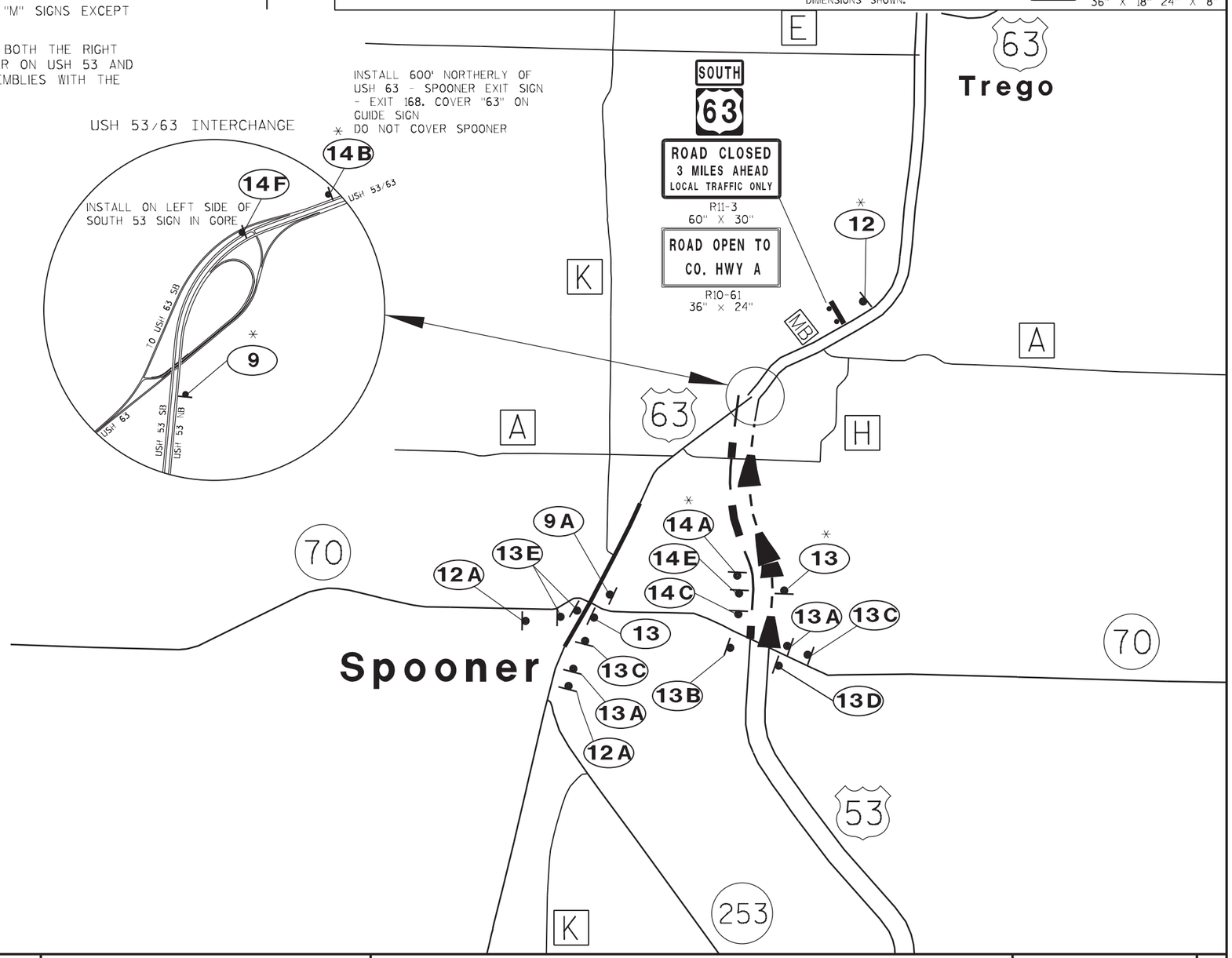
9 — END DETOUR — NORTH OR SOUTH 9A — 63

MB

HWY 63
IN SPOONER CLOSED
LOCAL TRAFFIC ONLY

USH 53/63 INTERCHANGE

INSTALL 600' NORTHERLY OF USH 63 - SPOONER EXIT SIGN - EXIT 168. COVER "63" ON GUIDE SIGN
* DO NOT COVER SPOONER



12 — SOUTH OR NORTH 12A — 63 — DETOUR AHEAD W20-2A

11 — DETOUR SOUTH 63 OR

13 — DETOUR NORTH 63 OR WITH
13A OR 13B OR 13C OR 13D OR 13E

14 — DETOUR SOUTH 63 OR WITH
14A OR 14B OR 14C OR 14D OR 14E OR 14F

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	US 63 DETOUR STAGE 2, 3 & 4 -SHEET 6	SHEET 208 E

FILE NAME : ...±027001_d+-Sheet 6.dgn PLOT DATE : 9/2/2021 PLOT BY : SEH PLOT NAME : PLOT SCALE : N/A

2

2

STAGE 5

MILL & OVERLAY OR
COMPLETE WITH STAGE 1

LINN STREET

STH 70

NOTE: BARRICADES AND SIGNS FOR USH 63 MAINLINE NB CLOSURE ARE IN PLACE FOR ALL STAGES 1, 2, 3 & 4.

VINE STREET

ASH STREET

OAK STREET

WALNUT STREET

ONE-WAY

ONE-WAY

N SUMMIT STREET

1250 1255 1260 1265 1270 1275

USH 63

USH 63

GREENWOOD AVENUE

BEGIN PROJECT
STA 1248+55.00

EXCEPTION TO NET CENTERLINE LENGTH
STA 1254+42.13 TO STA 1255+57.15
B-64-14

N FRONT STREET

STAGE 1
WITH DETOUR

STAGE 2
CLOSED TO TRAFFIC WITH LOCAL BUSINESSES ACCESS

N SUMMIT STREET

ELM STREET

PINE STREET

CTH K/SCRIBNER STREET

CEDAR STREET

HAZEL STREET

SPRUCE STREET

BALSAM STREET

POPLAR STREET

NEW ROAD

1280 1285 1290 1295 1300 1305 1310

USH 63

USH 63

END PROJECT
STA 1310+68.73

N FRONT STREET

STAGE 3
CLOSED TO TRAFFIC WITH LOCAL BUSINESSES & RESIDENCE ACCESS

STAGE 4
CLOSED TO TRAFFIC WITH LOCAL BUSINESSES & RESIDENCE ACCESS

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	TRAFFIC CONTROL OVERVIEW	SHEET 209	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\025000 TC.DWG
LAYOUT NAME - 1

PLOT DATE : 9/2/2021 7:18 AM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:200 FT

2

STH 70

USE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURE" DETAILS A AND C

N SUMMIT STREET

VINE STREET

ASH STREET

TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE CROSSWALK)

WO11-2 48"X48"

WO16-7L 48"X24"

WO11-2 48"X48"

AHEAD

WO16-9P 48"X24"

USE SDD "BARRICADES AND SIGNS FOR SIDE ROAD CLOSURE" DETAIL 1

LINN STREET

R3-1

ROAD CLOSED

R11-2

USE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURE" DETAILS A AND C

USH 63

1260

1265

1270

20

30

NOTE: BARRICADES AND SIGNS FOR MAINLINE CLOSURE ARE IN PLACE FOR ALL STAGES 1, 2, 3 & 4.

USE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURE" DETAILS A AND C

WO11-2 48"X48"

WO16-7L 48"X24"

ROAD CLOSED

R11-2

STAGE 1 WITH DETOUR

WO11-2 48"X48"

AHEAD

WO16-9P 48"X24"

N FRONT STREET

LEGEND

- TRAFFIC CONTROL BARRICADES TYPE II
- TRAFFIC CONTROL BARRICADES TYPE II WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- WORK ZONE
- WORK ZONE OPEN TO TRAFFIC
- NO EXISTING SIDE STREET SIDEWALK
- TRAFFIC CONTROL BARRICADES TYPE III
- TRAFFIC CONTROL BARRICADES TYPE III WITH ATTACHED SIGN
- TEMPORARY PEDESTRIAN CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE PLYWOOD WITH TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE PLATE WITH TEMPORARY PEDESTRIAN BARRICADE
- ANTICIPATED PEDESTRIAN DETOUR ROUTE
- DIRECTION OF TRAFFIC

TRAFFIC CONTROL NOTES:
STAGE 1:
INSTALL THE DETOUR ROUTE SIGNING AND CLOSE THE WORK ZONE TO TRAFFIC. DETOUR NORTHBOUND OR SOUTHBOUND USH 63 PEDESTRIANS TO THE ALLEY BEHIND KWIK TRIP. COMPLETE THE FINAL PAVEMENT SECTION WITHIN THE WORK ZONE AND OPEN TO TRAFFIC AS NOTED IN STAGE 1A.

Ⓐ SIDEWALK CLOSED AHEAD / CROSS HERE
R9-11
48"X30"

Ⓒ SIDEWALK CLOSED
R9-9
24"X12"
MOUNT SIDEWALK SIGN C ON BARRICADES TYPE III

Ⓑ SIDEWALK CLOSED / CROSS HERE
R9-11A
48"X24"

SIDEWALK CLOSED / CROSS HERE
R9-11A
48"X24"

Ⓓ DETOUR
M4-9BL
30"X24"

DETOUR
M4-9BR
30"X24"

MOUNT SIDEWALK SIGNS A, B & D ON BARRICADES TYPE II

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	TRAFFIC CONTROL - STAGE 1	SHEET 210	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\025001 TC.DWG
LAYOUT NAME - 01
PLOT DATE : 7/28/2021 12:22 PM
PLOT BY : ANNIE JEROME
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

2

USE SDD "TRAFFIC CONTROL ADVANCED WARNING SIGNS 40 MPH OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC"

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

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)

TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE CROSSWALK)

TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH

LINN STREET

STH 70

USH 63

SEE STAGE 2

ROAD CLOSED
R11-2

WO11-2 48"X48"
AHEAD
WO16-9P 48"X24"

WO11-2 48"X48"
WO16-7L 48"X24"

USE SDD "TRAFFIC CONTROL ADVANCED WARNING SIGNS 40 MPH OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC"

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE SKIP)

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

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE SKIP)

USE SDD "TRAFFIC CONTROL ADVANCED WARNING SIGNS 40 MPH OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC"

Ⓐ SIDEWALK CLOSED AHEAD CROSS HERE
R9-11 48"X30"

Ⓒ SIDEWALK CLOSED
R9-9 24"X12"

MOUNT SIDEWALK SIGN C ON BARRICADES TYPE III

Ⓑ SIDEWALK CLOSED CROSS HERE
R9-11A 48"X24"

SIDEWALK CLOSED CROSS HERE
R9-11A 48"X24"

Ⓓ DETOUR
M4-9BL 30"X24"

DETOUR
M4-9BR 30"X24"

MOUNT SIDEWALK SIGNS A, B & D ON BARRICADES TYPE II

LEGEND

- TRAFFIC CONTROL BARRICADES TYPE II
- TRAFFIC CONTROL BARRICADES TYPE II WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- WORK ZONE
- WORK ZONE OPEN TO TRAFFIC
- NO EXISTING SIDE STREET SIDEWALK
- TRAFFIC CONTROL BARRICADES TYPE III
- TRAFFIC CONTROL BARRICADES TYPE III WITH ATTACHED SIGN
- TEMPORARY PEDESTRIAN CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE PLYWOOD WITH TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE PLATE WITH TEMPORARY PEDESTRIAN BARRICADE
- ANTICIPATED PEDESTRIAN DETOUR ROUTE
- DIRECTION OF TRAFFIC

TRAFFIC CONTROL NOTES:
STAGE 1A:
ACTIVATE THE TEMPORARY TRAFFIC SIGNALS. CONTINUE WORK ON BEHIND THE CURB ITEMS. BEGIN STAGE 2.
USE THE SAME PEDESTRIAN TRAFFIC CONTROL AS IN STATE 1.

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	TRAFFIC CONTROL - STAGE 1A	SHEET 211	E

2

Ⓐ SIDEWALK CLOSED AHEAD / CROSS HERE
R9-11
48"X30"

Ⓒ SIDEWALK CLOSED
R9-9
24"X12"

MOUNT SIDEWALK SIGN C ON BARRICADES TYPE III

Ⓑ SIDEWALK CLOSED / CROSS HERE
R9-11A
48"X24"

SIDEWALK CLOSED / CROSS HERE
R9-11A
48"X24"

Ⓓ DETOUR
M4-9BL
30"X24"

DETOUR
M4-9BR
30"X24"

MOUNT SIDEWALK SIGNS A, B & D ON BARRICADES TYPE II

N

USE SDD "TRAFFIC CONTROL ADVANCED WARNING SIGNS 40 MPH OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC"

ROAD CLOSED
R11-2

LINN STREET

STH 70

SEE STAGE 1A

N SUMMIT STREET

VINE STREET

USE SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURE" DETAIL 1 AT EACH INTERSECTION

ASH STREET

OAK STREET

USE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURE" DETAILS A AND C

WALNUT STREET

ONE-WAY

ROAD CLOSED
R11-2

1250

1255

USH 63

1260

1265

1270

1275

GREENWOOD AVENUE

BEGIN PROJECT
STA 1248+55.00

EXCEPTION TO NET CENTERLINE LENGTH
STA 1254+42.13 TO STA 1255+57.15
B-64-14

USE SDD "TRAFFIC CONTROL ADVANCED WARNING SIGNS 40 MPH OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC"

ROAD CLOSED
R11-2

ROAD CLOSED
R11-2

ROAD CLOSED
R11-2

USE SDD "TRAFFIC CONTROL ADVANCED WARNING SIGNS 40 MPH OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC"

USE SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURE" DETAIL 1 AT EACH ALLEY

N FRONT STREET

SEE STAGE 2 DETAIL

N SUMMIT STREET

ROAD CLOSED
R11-2

ELM STREET

PINE STREET

CTH K/SCRIBNER STREET

CEDAR STREET

HAZEL STREET

SPRUCE STREET

BALSAM STREET

POPLAR STREET

NEW ROAD

1280

1285

USH 63

1290

1295

1300

1305

1310

END PROJECT
STA 1310+68.73

LEGEND

- TRAFFIC CONTROL BARRICADES TYPE II
- TRAFFIC CONTROL BARRICADES TYPE II WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- WORK ZONE
- WORK ZONE OPEN TO TRAFFIC
- NO EXISTING SIDE STREET SIDEWALK
- TRAFFIC CONTROL BARRICADES TYPE III
- TRAFFIC CONTROL BARRICADES TYPE III WITH ATTACHED SIGN
- TEMPORARY PEDESTRIAN CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE PLYWOOD WITH TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE PLATE WITH TEMPORARY PEDESTRIAN BARRICADE
- ANTICIPATED PEDESTRIAN DETOUR ROUTE
- DIRECTION OF TRAFFIC

TRAFFIC CONTROL NOTES:
STAGE 2:
REMOVE THE USH 63 / STH 70 DETOUR AND INSTALL THE USH 63 TRUCK DETOUR. OPEN STH 70 TO EAST/WEST TRAFFIC. THE NORTH LEG OF THE USH 63 / STH 70 INTERSECTION REMAINS CLOSED. DETOUR PEDESTRIANS TO THE ALLEYWAYS OR SIDE STREETS USING TEMPORARY PEDESTRIAN ACCOMMODATIONS. REVERSE THE WALNUT STREET PARKING STALL LINES AND TRAFFIC FLOW AS SHOWN IN THE STAGE 2 DETAIL. CLOSE USH 63 BETWEEN STH 70 TO AND INCLUDING WALNUT STREET. CONTINUE BEHIND THE CURB WORK ITEMS IN STAGE 1A. COMPLETE WORK (FROM THE FACE OF CURB TO FACE OF CURB) TO FINAL PAVEMENT GRADES AND OPEN TRAFFIC AS SHOW IN STAGE 2A.

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	TRAFFIC CONTROL - STAGE 2	SHEET 212	E

2

2

TRAFFIC CONTROL COVER SIGNS TYPE II

WRONG WAY

R5-2 24"X24"

N SUMMIT STREET

STOP R1-1

EXISTING PARKING STALLS TO REMAIN

PARKING TURN AROUND AHEAD

COVER ALL EXISTING NORTH PARKING STALL LINES WITH TEMPORARY MARKING LINE TAPE 4-INCH (BLACK)

NO PARKING HERE TO CORNER R7-51L

WALNUT STREET

COVER LAST FOUR STALLS (EAST) WITH TEMPORARY MARKING LINE TAPE 4-INCH (BLACK) FOR VEHICLE TURN AROUND AREA

NO PARKING HERE TO CORNER R7-51R

ELM STREET

ASH STREET

ROAD CLOSED R11-2

OAK STREET

USE SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURE" DETAIL 1 AT EACH ALLEY

ROAD CLOSED R11-2

USE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURE" DETAILS A AND C

1270 1275 1280 1285

USH 63

INSTALL TEMPORARY PEDESTRIAN BARRICADE (TO BRICK SITTING WALL)

NO PARKING HERE TO CORNER R7-51R

NO PARKING HERE TO CORNER R7-51L

COVER LAST FOUR STALLS (WEST) WITH TEMPORARY MARKING LINE TAPE 4-INCH (BLACK) FOR VEHICLE TURN AROUND AREA

COVER ALL EXISTING NORTH PARKING STALL LINES WITH TEMPORARY MARKING LINE TAPE 4-INCH (BLACK)

EXISTING PARKING STALLS TO REMAIN

PARKING TURN AROUND AHEAD

TRAFFIC CONTROL COVER SIGNS TYPE II

WRONG WAY

STOP

USE SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURE" DETAIL 1 AT EACH INTERSECTION

N FRONT STREET

R5-2 24"X24"

Ⓐ SIDEWALK CLOSED AHEAD / CROSS HERE — R9-11 48"X30"

Ⓒ SIDEWALK CLOSED — R9-9 24"X12"

MOUNT SIDEWALK SIGN C ON BARRICADES TYPE III

Ⓑ SIDEWALK CLOSED / CROSS HERE — R9-11A 48"X24"

SIDEWALK CLOSED / CROSS HERE — R9-11A 48"X24"

Ⓓ DETOUR — M4-9BL 30"X24"

DETOUR — M4-9BR 30"X24"

MOUNT SIDEWALK SIGNS A, B & D ON BARRICADES TYPE II

LEGEND

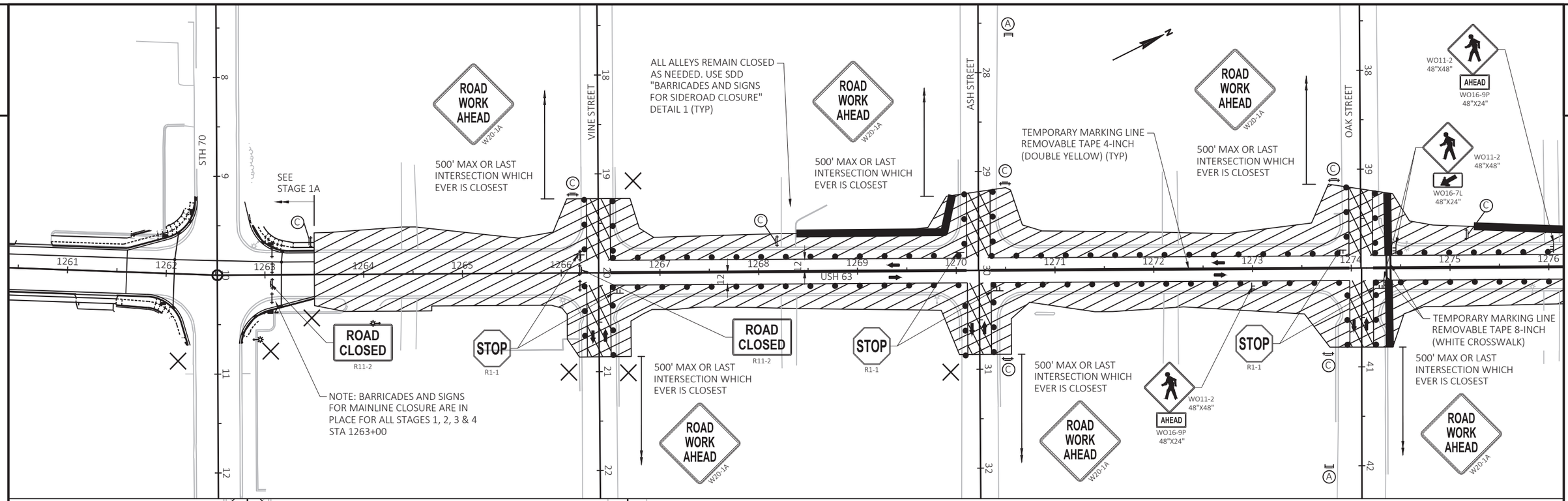
- TRAFFIC CONTROL BARRICADES TYPE II
- TRAFFIC CONTROL BARRICADES TYPE II WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- WORK ZONE
- WORK ZONE OPEN TO TRAFFIC
- NO EXISTING SIDE STREET SIDEWALK
- TRAFFIC CONTROL BARRICADES TYPE III
- TRAFFIC CONTROL BARRICADES TYPE III WITH ATTACHED SIGN
- TEMPORARY PEDESTRIAN CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE PLYWOOD WITH TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE PLATE WITH TEMPORARY PEDESTRIAN BARRICADE
- ANTICIPATED PEDESTRIAN DETOUR ROUTE
- DIRECTION OF TRAFFIC

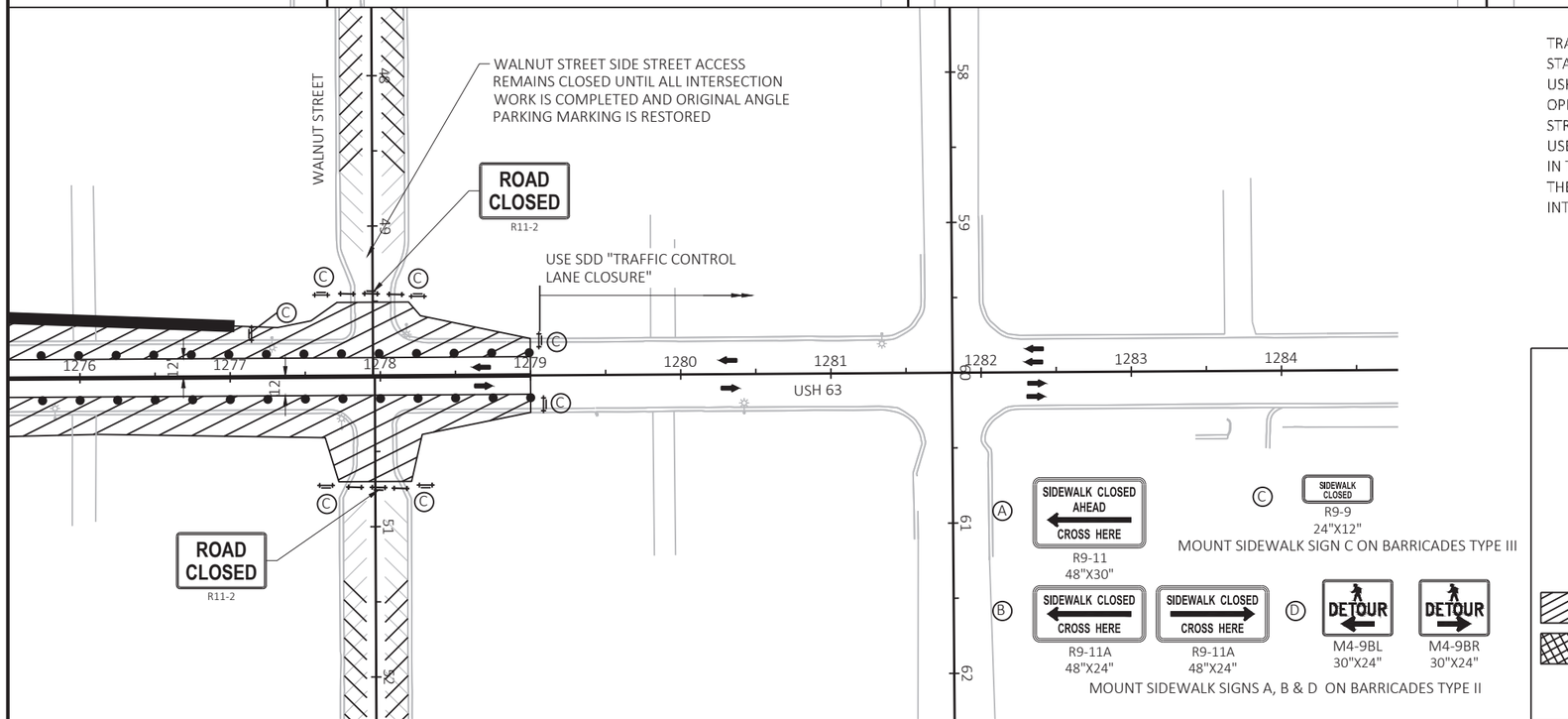
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	TRAFFIC CONTROL - STAGE 2 DETAIL	SHEET 213	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\025002 TC - DETAIL.DWG
LAYOUT NAME - STAGE 2 DETAIL

PLOT DATE : 9/2/2021 3:13 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42





TRAFFIC CONTROL NOTES:
STAGE 2A:
USH 63 REMAINS CLOSED AT THE NORTH LEG OF STH 70. PLACE TEMPORARY TRAFFIC CONTROL DEVICES AND OPEN THE CENTER 24' FOR NORTHBOUND AND SOUTHBOUND MOVEMENTS FROM VINE STREET TO WALNUT STREET AND CONTINUE WORK ON BEHIND THE CURB ITEMS. OPEN ALL INTERSECTIONS TO CROSS TRAFFIC AND USE FLAGGING OPERATIONS FOR TEMPORARY WORK AT THE INTERSECTIONS AS NEEDED. ALLEY ACCESS TO USH 63 IN THIS STAGE REMAINS CLOSED. FULLY COMPLETE WORK AT THE WALNUT STREET INTERSECTION AND RETURN THE PARKING STALL DIRECTION AND TRAFFIC FLOW TO NORMAL BEFORE OPENING THE WALNUT STREET INTERSECTION TO TRAFFIC. COMPLETE ALL STAGE 1 WORK PRIOR TO MOVING TO STAGE 3.

LEGEND

- TRAFFIC CONTROL BARRICADES TYPE II
- TRAFFIC CONTROL BARRICADES TYPE II WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- WORK ZONE
- WORK ZONE OPEN TO TRAFFIC
- NO EXISTING SIDE STREET SIDEWALK
- TRAFFIC CONTROL BARRICADES TYPE III
- TRAFFIC CONTROL BARRICADES TYPE III WITH ATTACHED SIGN
- TEMPORARY PEDESTRIAN CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE PLYWOOD WITH TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE PLATE WITH TEMPORARY PEDESTRIAN BARRICADE
- ANTICIPATED PEDESTRIAN DETOUR ROUTE
- DIRECTION OF TRAFFIC

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	TRAFFIC CONTROL - STAGE 2A	SHEET 214	E

Ⓐ SIDEWALK CLOSED AHEAD / CROSS HERE — R9-11, 48"X30"

Ⓒ SIDEWALK CLOSED — R9-9, 24"X12"

MOUNT SIDEWALK SIGN C ON BARRICADES TYPE III

Ⓑ SIDEWALK CLOSED / CROSS HERE — R9-11A, 48"X24"

SIDEWALK CLOSED / CROSS HERE — R9-11A, 48"X24"

Ⓓ DETOUR — M4-9BL, 30"X24"

DETOUR — M4-9BR, 30"X24"

MOUNT SIDEWALK SIGNS A, B & D ON BARRICADES TYPE II

BEGIN PROJECT
STA 1248+55.00

EXCEPTION TO NET CENTERLINE LENGTH
STA 1254+42.13 TO STA 1255+57.15
B-64-14

1250 1255 1260 1265 1270 1275

USH 63

GREENWOOD AVENUE

LINN STREET

USE SDD "TRAFFIC CONTROL ADVANCED WARNING SIGNS 40 MPH OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC"

USE SDD "TRAFFIC CONTROL ADVANCED WARNING SIGNS 40 MPH OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC"

COMPLETE STAGE 1 BEFORE STARTING STAGE 3

STH 70

N SUMMIT STREET

VINE STREET

ASH STREET

OAK STREET

WALNUT STREET

ONE-WAY

NOTE: BARRICADES AND SIGNS FOR MAINLINE CLOSURE ARE IN PLACE FOR ALL STAGES 1, 2, 3 & 4
STA 1263+00

ROAD CLOSED
R11-2

LANE CLOSED
R11-2L

LANE CLOSED
R11-2L

LANE CLOSED
R11-2L

SEE STAGE 2A

USE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURE" DETAILS A AND C

N FRONT STREET

LEGEND

- TRAFFIC CONTROL BARRICADES TYPE II
- TRAFFIC CONTROL BARRICADES TYPE II WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- WORK ZONE
- WORK ZONE OPEN TO TRAFFIC
- NO EXISTING SIDE STREET SIDEWALK
- TRAFFIC CONTROL BARRICADES TYPE III
- TRAFFIC CONTROL BARRICADES TYPE III WITH ATTACHED SIGN
- TEMPORARY PEDESTRIAN CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE PLYWOOD WITH TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE PLATE WITH TEMPORARY PEDESTRIAN BARRICADE
- ANTICIPATED PEDESTRIAN DETOUR ROUTE
- DIRECTION OF TRAFFIC

USE SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURE" DETAIL 1 AT EACH INTERSECTION

ELM STREET

PINE STREET

CTH K/SCRIBNER STREET

CEDAR STREET

USE SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURE" DETAIL 1 AT ALLEYS

HAZEL STREET

SPRUCE STREET

BALSAM STREET

POPLAR STREET

NEW ROAD

N SUMMIT STREET

1280 1285 1290 1295 1300 1305 1310

USH 63

ROAD CLOSED
R11-2

ROAD CLOSED
R11-2

ROAD CLOSED
R11-2

ROAD CLOSED
R11-2

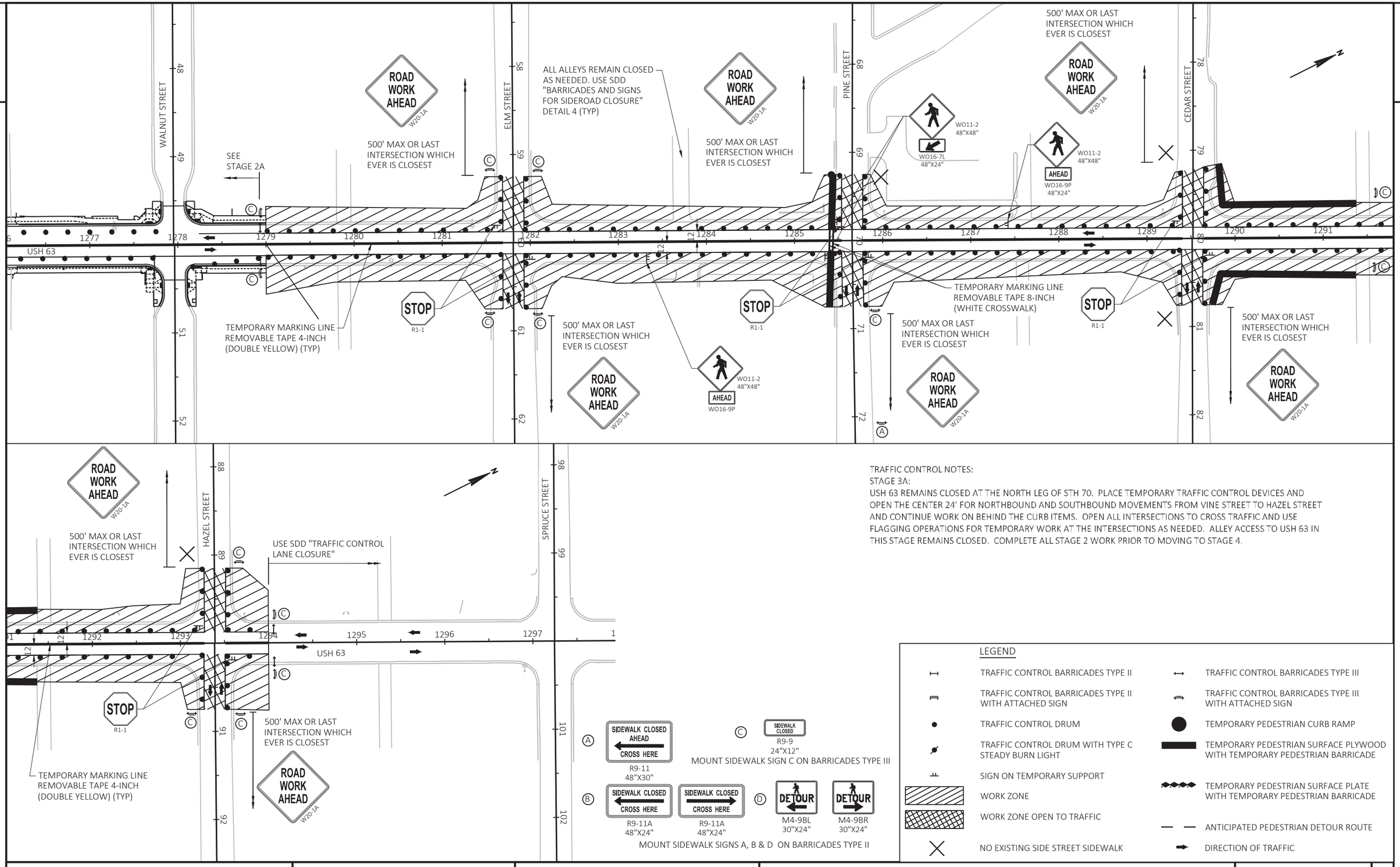
N FRONT STREET

END PROJECT
STA 1310+68.73

TRAFFIC CONTROL NOTES:
STAGE 3:
USH 63 REMAINS CLOSED AT THE NORTH LEG OF STH 70. CLOSE USH 63 BETWEEN WALNUT STREET AND HAZEL STREET. DETOUR PEDESTRIANS TO THE ALLEYWAYS OR SIDE STREETS USING TEMPORARY PEDESTRIAN ACCOMMODATIONS. CONTINUE TO WORK ON BEHIND THE CURB ITEMS IN STAGE 2A. COMPLETE WORK (FROM THE FACE OF CURB TO FACE OF CURB) TO FINAL PAVEMENT GRADES AND OPEN TRAFFIC AS SHOWN IN STAGE 3A.

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	TRAFFIC CONTROL - STAGE 3	SHEET 215	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\025003 TC.DWG
LAYOUT NAME - 03
PLOT DATE : 9/2/2021 2:38 PM
PLOT BY : ANNIE JEROME
PLOT NAME :
PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 42



TRAFFIC CONTROL NOTES:
STAGE 3A:
USH 63 REMAINS CLOSED AT THE NORTH LEG OF STH 70. PLACE TEMPORARY TRAFFIC CONTROL DEVICES AND OPEN THE CENTER 24' FOR NORTHBOUND AND SOUTHBOUND MOVEMENTS FROM VINE STREET TO HAZEL STREET AND CONTINUE WORK ON BEHIND THE CURB ITEMS. OPEN ALL INTERSECTIONS TO CROSS TRAFFIC AND USE FLAGGING OPERATIONS FOR TEMPORARY WORK AT THE INTERSECTIONS AS NEEDED. ALLEY ACCESS TO USH 63 IN THIS STAGE REMAINS CLOSED. COMPLETE ALL STAGE 2 WORK PRIOR TO MOVING TO STAGE 4.

Ⓐ SIDEWALK CLOSED AHEAD / CROSS HERE — R9-11 48"X30"

Ⓒ SIDEWALK CLOSED — R9-9 24"X12"

MOUNT SIDEWALK SIGN C ON BARRICADES TYPE III

Ⓑ SIDEWALK CLOSED / CROSS HERE — R9-11A 48"X24"

SIDEWALK CLOSED / CROSS HERE — R9-11A 48"X24"

Ⓓ DETOUR — M4-9BL 30"X24"

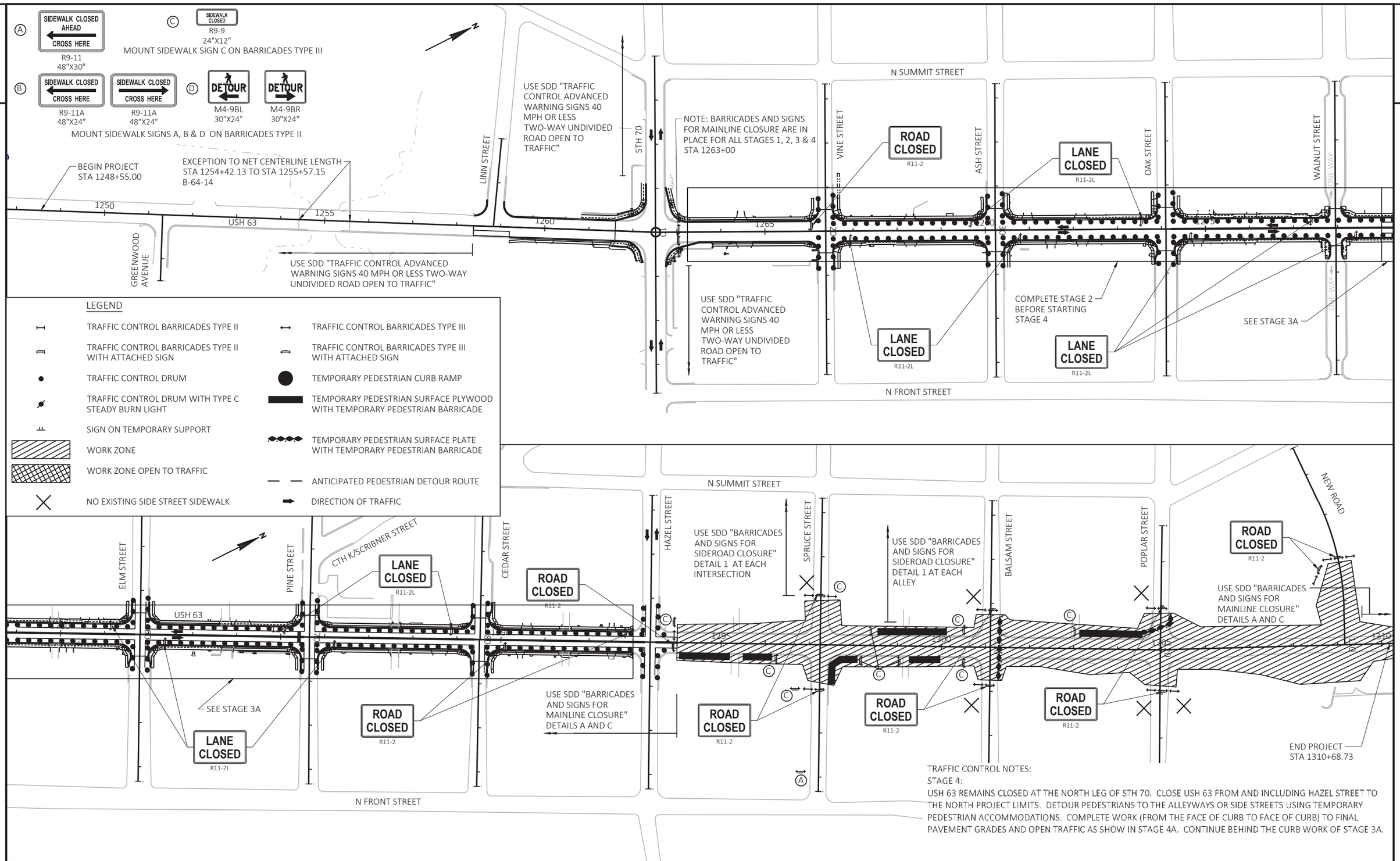
DETOUR — M4-9BR 30"X24"

MOUNT SIDEWALK SIGNS A, B & D ON BARRICADES TYPE II

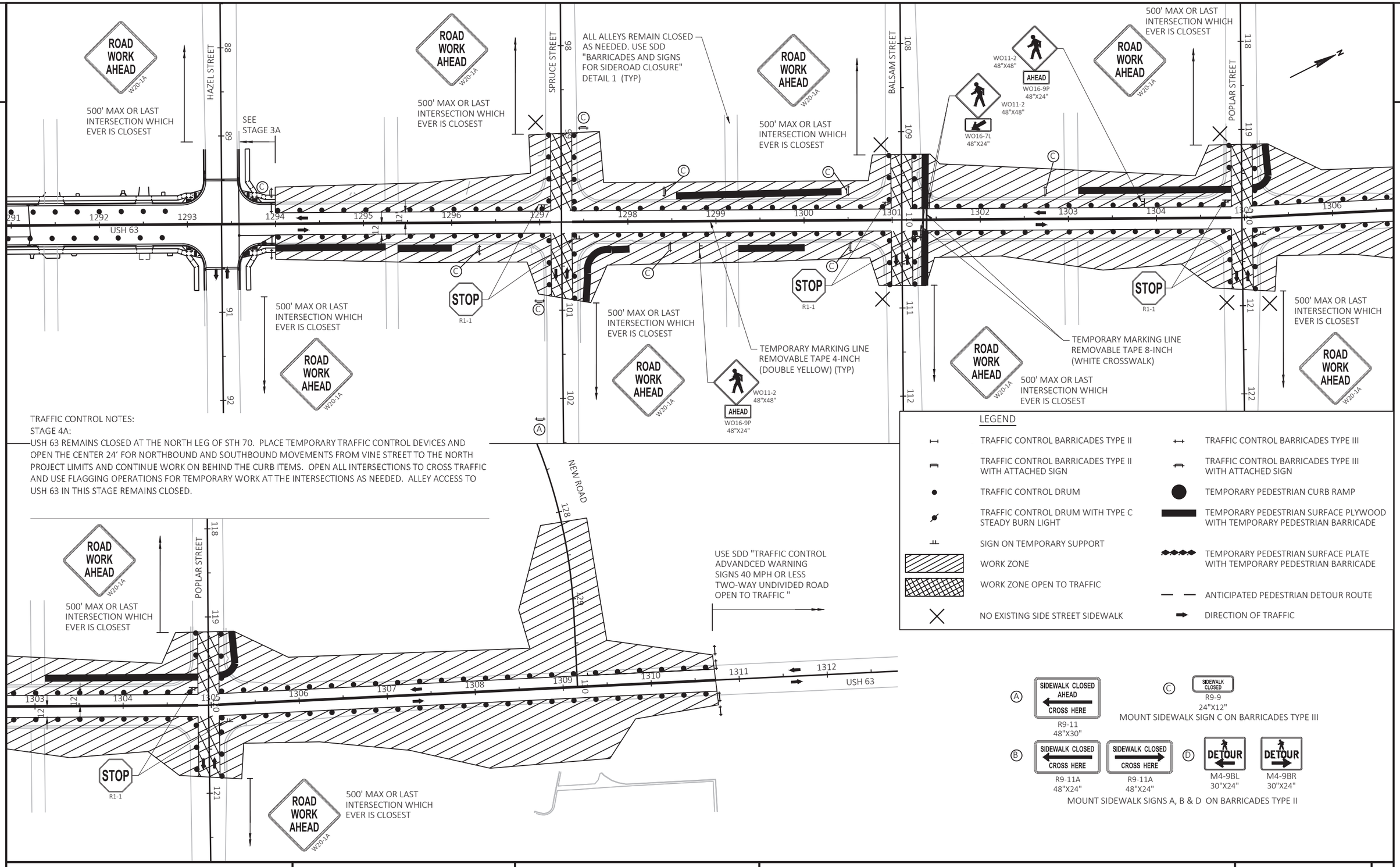
LEGEND

- TRAFFIC CONTROL BARRICADES TYPE II
- TRAFFIC CONTROL BARRICADES TYPE II WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- WORK ZONE
- WORK ZONE OPEN TO TRAFFIC
- NO EXISTING SIDE STREET SIDEWALK
- TRAFFIC CONTROL BARRICADES TYPE III
- TRAFFIC CONTROL BARRICADES TYPE III WITH ATTACHED SIGN
- TEMPORARY PEDESTRIAN CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE PLYWOOD WITH TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE PLATE WITH TEMPORARY PEDESTRIAN BARRICADE
- ANTICIPATED PEDESTRIAN DETOUR ROUTE
- DIRECTION OF TRAFFIC

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	TRAFFIC CONTROL - STAGE 3A	SHEET 216	E



PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	TRAFFIC CONTROL - STAGE 4	SHEET 217	E



TRAFFIC CONTROL NOTES:

STAGE 4A:

USH 63 REMAINS CLOSED AT THE NORTH LEG OF STH 70. PLACE TEMPORARY TRAFFIC CONTROL DEVICES AND OPEN THE CENTER 24' FOR NORTHBOUND AND SOUTHBOUND MOVEMENTS FROM VINE STREET TO THE NORTH PROJECT LIMITS AND CONTINUE WORK ON BEHIND THE CURB ITEMS. OPEN ALL INTERSECTIONS TO CROSS TRAFFIC AND USE FLAGGING OPERATIONS FOR TEMPORARY WORK AT THE INTERSECTIONS AS NEEDED. ALLEY ACCESS TO USH 63 IN THIS STAGE REMAINS CLOSED.

LEGEND

TRAFFIC CONTROL BARRICADES TYPE II	TRAFFIC CONTROL BARRICADES TYPE III
TRAFFIC CONTROL BARRICADES TYPE II WITH ATTACHED SIGN	TRAFFIC CONTROL BARRICADES TYPE III WITH ATTACHED SIGN
TRAFFIC CONTROL DRUM	TEMPORARY PEDESTRIAN CURB RAMP
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	TEMPORARY PEDESTRIAN SURFACE PLYWOOD WITH TEMPORARY PEDESTRIAN BARRICADE
SIGN ON TEMPORARY SUPPORT	
WORK ZONE	TEMPORARY PEDESTRIAN SURFACE PLATE WITH TEMPORARY PEDESTRIAN BARRICADE
WORK ZONE OPEN TO TRAFFIC	ANTICIPATED PEDESTRIAN DETOUR ROUTE
NO EXISTING SIDE STREET SIDEWALK	DIRECTION OF TRAFFIC

Ⓐ SIDEWALK CLOSED AHEAD / CROSS HERE — R9-11, 48"X30"

Ⓒ SIDEWALK CLOSED — R9-9, 24"X12"

MOUNT SIDEWALK SIGN C ON BARRICADES TYPE III

Ⓑ SIDEWALK CLOSED / CROSS HERE — R9-11A, 48"X24"; SIDEWALK CLOSED / CROSS HERE — R9-11A, 48"X24"

Ⓓ DETOUR — M4-9BL, 30"X24"; DETOUR — M4-9BR, 30"X24"

MOUNT SIDEWALK SIGNS A, B & D ON BARRICADES TYPE II

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	TRAFFIC CONTROL - STAGE 4A	SHEET 218	E

2

Ⓐ SIDEWALK CLOSED AHEAD / CROSS HERE
R9-11
48"X30"

Ⓒ SIDEWALK CLOSED
R9-9
24"X12"

MOUNT SIDEWALK SIGN C ON BARRICADES TYPE III

Ⓑ SIDEWALK CLOSED CROSS HERE
R9-11A
48"X24"

SIDEWALK CLOSED CROSS HERE
R9-11A
48"X24"

Ⓓ DETOUR
M4-9BL
30"X24"

DETOUR
M4-9BR
30"X24"

MOUNT SIDEWALK SIGNS A, B & D ON BARRICADES TYPE II

N

BEGIN PROJECT
STA 1248+55.00

USE SDD "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION"

GREENWOOD AVENUE

EXCEPTION TO NET CENTERLINE LENGTH
STA 1254+42.13 TO STA 1255+57.15
B-64-14

USE SDD "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION"

LINN STREET

STH 70

USH 63

N SUMMIT STREET

VINE STREET

ASH STREET

OAK STREET

WALNUT STREET

ONE-WAY

ONE-WAY

N FRONT STREET

1250 1255 1260 1265 1270 1275

LEGEND

- TRAFFIC CONTROL BARRICADES TYPE II
- TRAFFIC CONTROL BARRICADES TYPE II WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- WORK ZONE
- WORK ZONE OPEN TO TRAFFIC
- NO EXISTING SIDE STREET SIDEWALK
- TRAFFIC CONTROL BARRICADES TYPE III
- TRAFFIC CONTROL BARRICADES TYPE III WITH ATTACHED SIGN
- TEMPORARY PEDESTRIAN CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE PLYWOOD WITH TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE PLATE WITH TEMPORARY PEDESTRIAN BARRICADE
- ANTICIPATED PEDESTRIAN DETOUR ROUTE
- DIRECTION OF TRAFFIC

N

N SUMMIT STREET

NEW ROAD

ELM STREET

PINE STREET

CTH K/SCRIBNER STREET

CEDAR STREET

HAZEL STREET

SPRUCE STREET

BALSAM STREET

POPLAR STREET

USH 63

1280 1285 1290 1295 1300 1305 1310

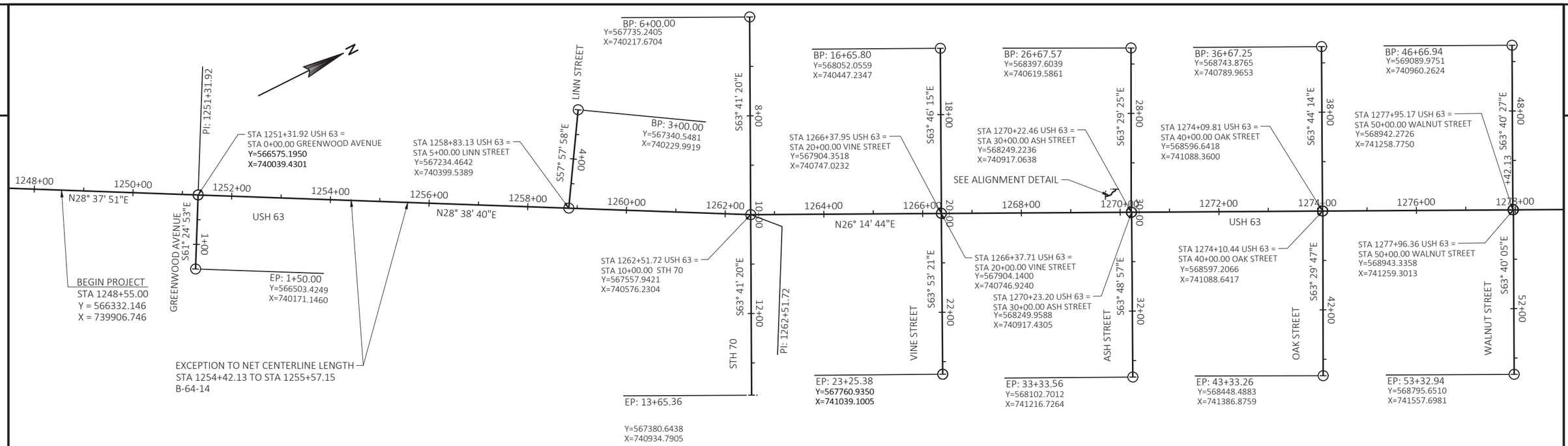
END PROJECT
STA 1310+68.73

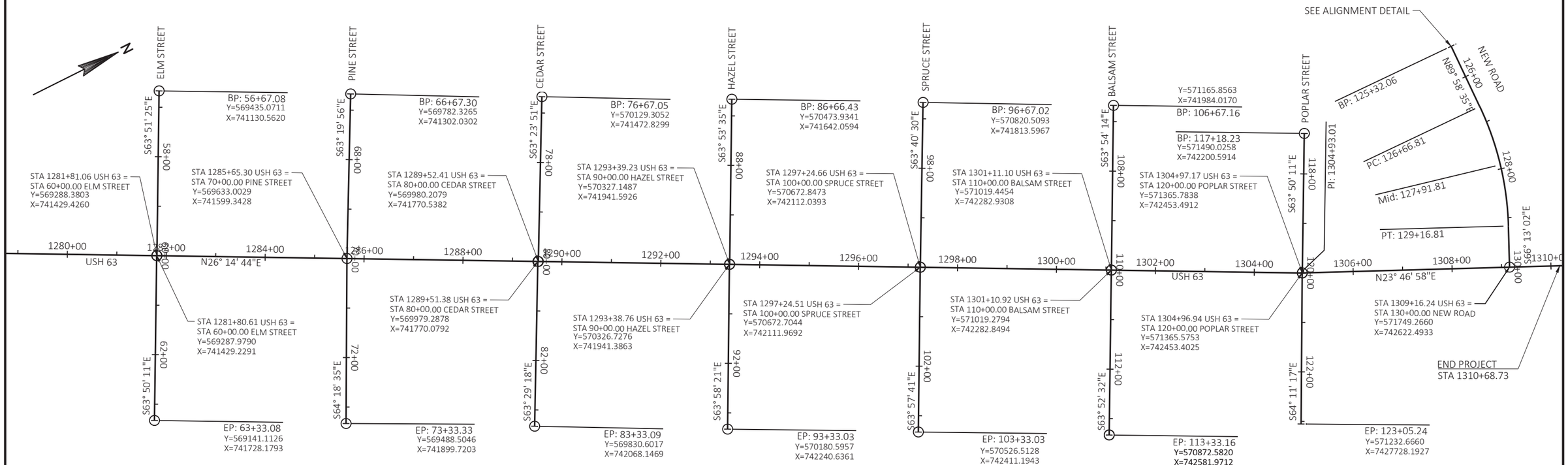
N FRONT STREET

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	TRAFFIC CONTROL - STAGE 5	SHEET 219	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\025005 TC.DWG
LAYOUT NAME - 05

PLOT DATE : 7/28/2021 12:30 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:200 FT





PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	ALIGNMENT	SHEET 220	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\027201 AD.DWG
LAYOUT NAME - 1
PLOT DATE : 7/28/2021 10:29 AM
PLOT BY : ANNIE JEROME
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

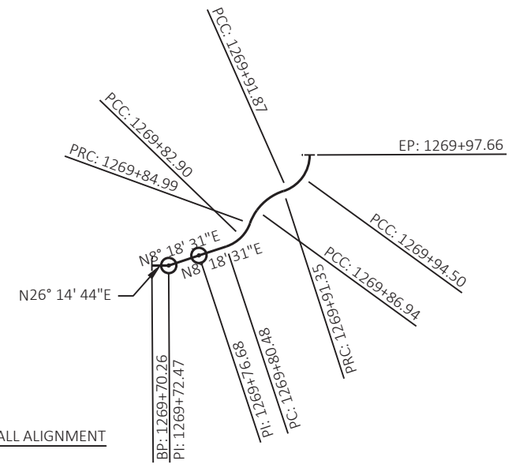
2

PI STA = 1269+89.22
Y = 568234.454
X = 740863.480
DELTA = 36°04'49"
D = 409°15'20"
T = 2.28'
L = 4.41'
R = 7.00'
PC STA = 1269+86.94
PT STA = 1269+91.35

PI STA = 1269+91.61
Y = 568236.964
X = 740863.863
DELTA = 5°56'30"
D = 572°57'28"
T = 0.26'
L = 0.52'
R = 5.00'
PC STA = 1269+91.35
PT STA = 1269+91.87

PI STA = 1269+93.22
Y = 568238.571
X = 740863.939
DELTA = 30°12'14"
D = 572°57'28"
T = 1.35'
L = 2.64'
R = 5.00'
PC STA = 1269+91.87
PT STA = 1269+94.50

PI STA = 1269+96.13
Y = 568241.216
X = 740862.564
DELTA = 36°08'43"
D = 572°57'28"
T = 1.63'
L = 3.15'
R = 5.00'
PC STA = 1269+94.50
PT STA = 1269+97.66



PI STA = 1269+81.71
Y = 568227.910
X = 740867.150
DELTA = 27°48'01"
D = 572°57'28"
T = 1.24'
L = 2.43'
R = 5.00'
PC STA = 1269+80.48
PT STA = 1269+82.90

PI STA = 1269+83.96
Y = 568230.074
X = 740866.384
DELTA = 23°54'15"
D = 572°57'28"
T = 1.06'
L = 2.09'
R = 5.00'
PC STA = 1269+82.90
PT STA = 1269+84.99

PI STA = 1269+85.97
Y = 568231.557
X = 740864.982
DELTA = 15°59'08"
D = 409°15'20"
T = 0.98'
L = 1.95'
R = 7.00'
PC STA = 1269+84.99
PT STA = 1269+86.94

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	ALIGNMENT DETAIL	SHEET 221	E

2

2

BP: 125+32.06

NEW ROAD

126+00

N89° 58' 35"E

PC: 126+66.81

127+00

Mid: 127+91.81

128+00

129+00

PT: 129+16.81

S66° 13' 02"E

130+00

PI STA = 127+93.64
Y = 571833.961
X = 742430.308
DELTA = 23°48'24"
D = 4°45'41"
T = 126.83'
L = 250.00'
R = 601.68'
PC STA = 126+66.81
Y = 571833.909
X = 742303.478
PT STA = 129+16.81
Y = 571782.814
X = 742546.368
BK = N89°58'34.7"E
AH = S66°13'01.7"E
S.E. = NC

BP: 117+18.23

POPLAR STREET

S63° 50' 11"E

118+00

PI STA 120+65.01

120+00

1304+00

1306+00

1308+00

N23° 46' 58"E

1310+00

1312+00

1314+00

1316+00

1318+00

USH 63

STA 1309+16.24 USH 63 =
STA 130+00.00 NEW ROAD
Y=571749.2661
X=742622.4932

122+00

S64° 11' 17"E

EP: 123+05.24

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	ALIGNMENT DETAIL	SHEET 222	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\027202 AD.DWG
LAYOUT NAME - 3

PLOT DATE : 7/28/2021 10:30 AM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : ##########

Estimate Of Quantities

Line	Item	Item Description	Unit	Total	1560-00-70 Qty	1560-00-80 Qty
0002	201.0105	Clearing	STA	2.000	2.000	
0004	201.0120	Clearing	ID	340.000	340.000	
0006	201.0205	Grubbing	STA	2.000	2.000	
0008	201.0220	Grubbing	ID	354.000	354.000	
0010	203.0100	Removing Small Pipe Culverts	EACH	2.000	2.000	
0012	204.0100	Removing Concrete Pavement	SY	1,637.000	1,637.000	
0014	204.0120	Removing Asphaltic Surface Milling	SY	4,432.000	4,432.000	
0016	204.0130	Removing Curb	LF	67.000	67.000	
0018	204.0150	Removing Curb & Gutter	LF	10,554.000	10,554.000	
0020	204.0155	Removing Concrete Sidewalk	SY	5,293.000	5,293.000	
0022	204.0170	Removing Fence	LF	298.000	298.000	
0024	204.0195	Removing Concrete Bases	EACH	47.000	47.000	
0026	204.0210	Removing Manholes	EACH	44.000	30.000	14.000
0028	204.0220	Removing Inlets	EACH	58.000	58.000	
0030	204.0245	Removing Storm Sewer (size) 01. 8-Inch PVC	LF	6.000	6.000	
0032	204.0245	Removing Storm Sewer (size) 02. 12-Inch	LF	1,987.000	1,987.000	
0034	204.0245	Removing Storm Sewer (size) 03. 15-Inch	LF	886.000	886.000	
0036	204.0245	Removing Storm Sewer (size) 04. 18-Inch	LF	825.000	825.000	
0038	204.0245	Removing Storm Sewer (size) 05. 21-Inch	LF	46.000	46.000	
0040	204.0245	Removing Storm Sewer (size) 06. 24-Inch	LF	1,059.000	1,059.000	
0042	204.0245	Removing Storm Sewer (size) 07. 30-Inch	LF	81.000	81.000	
0044	204.0245	Removing Storm Sewer (size) 08. 36-Inch	LF	769.000	769.000	
0046	204.9060.S	Removing (item description) 01. Lighting Unit	EACH	2.000	2.000	
0048	205.0100	Excavation Common	CY	22,034.000	22,034.000	
0050	205.0501.S	Excavation, Hauling, and Disposal of Petroleum Contaminated Soil	TON	32.000	32.000	
0052	211.0100	Prepare Foundation for Asphaltic Paving (project) 01. 1560-00-70	LS	1.000	1.000	
0054	211.0200	Prepare Foundation for Concrete Pavement (project) 01. 1560-00-70	LS	1.000	1.000	
0056	211.0300	Prepare Foundation for Concrete Base (project) 01. 1560-00-70	LS	1.000	1.000	
0058	211.0500	Prepare Foundation for Base Aggregate	STA	74.000	74.000	
0060	213.0100	Finishing Roadway (project) 01. 1560-00-70	EACH	1.000	1.000	
0062	305.0110	Base Aggregate Dense 3/4-Inch	TON	1,810.000	1,810.000	
0064	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	18,358.000	18,358.000	
0066	371.2000.S	QMP Base Aggregate Dense 1 1/4-Inch Compaction	EACH	1.000	1.000	
0068	405.0200	Coloring Concrete Custom	CY	226.000	226.000	
0070	415.0060	Concrete Pavement 6-Inch	SY	220.000	220.000	
0072	415.0085	Concrete Pavement 8 1/2-Inch	SY	23,468.000	23,468.000	
0074	415.1085	Concrete Pavement HES 8 1/2-Inch	SY	2,086.000	2,086.000	
0076	415.4100	Concrete Pavement Joint Filling	SY	25,554.000	25,554.000	
0078	416.0160	Concrete Driveway 6-Inch	SY	1,065.000	1,065.000	
0080	416.0260	Concrete Driveway HES 6-Inch	SY	451.000	451.000	
0082	455.0605	Tack Coat	GAL	1,140.400	1,140.400	
0084	460.2000	Incentive Density HMA Pavement	DOL	2,160.000	2,160.000	
0086	460.6444	HMA Pavement 4 MT 58-34 H	TON	1,564.000	1,564.000	
0088	460.7425	HMA Pavement 5 HT 58-28 H	TON	1,807.000	1,807.000	
0090	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	682.000	682.000	
0092	520.3424	Culvert Pipe Class III-A Non-metal 24-Inch	LF	74.000	74.000	
0094	520.8000	Concrete Collars for Pipe	EACH	8.000	8.000	
0096	521.1024	Apron Endwalls for Culvert Pipe Steel 24-Inch	EACH	2.000	2.000	
0098	522.1012	Apron Endwalls for Culvert Pipe Reinforced Concrete 12-Inch	EACH	1.000	1.000	

					1560-00-70	1560-00-80
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**
0100	522.2638	Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 38x60-Inch	EACH	2.000	2.000	
0102	601.0110	Concrete Curb Type D	LF	11.000	11.000	
0104	601.0407	Concrete Curb & Gutter 18-Inch Type D	LF	24.000	24.000	
0106	601.0409	Concrete Curb & Gutter 30-Inch Type A	LF	8,674.000	8,674.000	
0108	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	1,990.000	1,990.000	
0110	601.0600	Concrete Curb Pedestrian	LF	173.000	173.000	
0112	602.0405	Concrete Sidewalk 4-Inch	SF	59,119.000	59,119.000	
0114	602.0505	Curb Ramp Detectable Warning Field Yellow	SF	960.000	960.000	
0116	602.1500	Concrete Steps	SF	80.000	80.000	
0118	606.0100	Riprap Light	CY	94.000	94.000	
0120	606.0300	Riprap Heavy	CY	478.000	478.000	
0122	608.0330	Storm Sewer Pipe Reinforced Concrete Class III 30-Inch	LF	76.000	76.000	
0124	608.0342	Storm Sewer Pipe Reinforced Concrete Class III 42-Inch	LF	316.000	316.000	
0126	608.0348	Storm Sewer Pipe Reinforced Concrete Class III 48-Inch	LF	1,083.000	1,083.000	
0128	608.0412	Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	LF	1,138.000	1,138.000	
0130	608.0415	Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	LF	289.000	289.000	
0132	608.0418	Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	LF	153.000	153.000	
0134	608.0421	Storm Sewer Pipe Reinforced Concrete Class IV 21-Inch	LF	8.000	8.000	
0136	608.0424	Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch	LF	452.000	452.000	
0138	608.0430	Storm Sewer Pipe Reinforced Concrete Class IV 30-Inch	LF	253.000	253.000	
0140	608.0436	Storm Sewer Pipe Reinforced Concrete Class IV 36-Inch	LF	365.000	365.000	
0142	608.0448	Storm Sewer Pipe Reinforced Concrete Class IV 48-Inch	LF	685.000	685.000	
0144	608.0512	Storm Sewer Pipe Reinforced Concrete Class V 12-Inch	LF	66.000	66.000	
0146	608.2334	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 34x53-Inch	LF	395.000	395.000	
0148	608.2338	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 38x60-Inch	LF	926.000	926.000	
0150	608.2424	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 24x38-Inch	LF	196.000	196.000	
0152	608.2429	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 29x45-Inch	LF	416.000	416.000	
0154	608.3012	Storm Sewer Pipe Class III-A 12-Inch	LF	1,193.000	1,193.000	
0156	608.3015	Storm Sewer Pipe Class III-A 15-Inch	LF	390.000	390.000	
0158	608.3018	Storm Sewer Pipe Class III-A 18-Inch	LF	238.000	238.000	
0160	611.0420	Reconstructing Manholes	EACH	1.000	1.000	
0162	611.0530	Manhole Covers Type J	EACH	35.000	35.000	
0164	611.0545	Manhole Covers Type L	EACH	7.000	7.000	
0166	611.0612	Inlet Covers Type C	EACH	3.000	3.000	
0168	611.0624	Inlet Covers Type H	EACH	92.000	92.000	
0170	611.0639	Inlet Covers Type H-S	EACH	29.000	29.000	
0172	611.0642	Inlet Covers Type MS	EACH	1.000	1.000	
0174	611.1004	Catch Basins 4-FT Diameter	EACH	12.000	12.000	
0176	611.1005	Catch Basins 5-FT Diameter	EACH	1.000	1.000	
0178	611.1230	Catch Basins 2x3-FT	EACH	56.000	56.000	
0180	611.2004	Manholes 4-FT Diameter	EACH	8.000	8.000	
0182	611.2005	Manholes 5-FT Diameter	EACH	5.000	5.000	
0184	611.2006	Manholes 6-FT Diameter	EACH	4.000	4.000	
0186	611.2007	Manholes 7-FT Diameter	EACH	7.000	7.000	
0188	611.2008	Manholes 8-FT Diameter	EACH	19.000	19.000	
0190	611.3003	Inlets 3-FT Diameter	EACH	2.000	2.000	
0192	611.3004	Inlets 4-FT Diameter	EACH	2.000	2.000	
0194	611.3230	Inlets 2x3-FT	EACH	66.000	66.000	
0196	611.3901	Inlets Median 1 Grate	EACH	1.000	1.000	

					1560-00-70	1560-00-80
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**
0198	611.8110	Adjusting Manhole Covers	EACH	3.000		3.000
0200	611.8120.S	Cover Plates Temporary	EACH	35.000	20.000	15.000
0202	612.0902.S	Insulation Board Polystyrene (inch) 01. 2-Inch	SY	554.000		554.000
0204	618.0100	Maintenance And Repair of Haul Roads (project) 01. 1560-00-70	EACH	1.000	1.000	
0206	619.1000	Mobilization	EACH	1.000	0.870	0.130
0208	620.0300	Concrete Median Sloped Nose	SF	125.000	125.000	
0210	624.0100	Water	MGAL	221.000	221.000	
0212	625.0100	Topsoil	SY	3,845.000	3,845.000	
0214	627.0200	Mulching	SY	928.000	928.000	
0216	628.1504	Silt Fence	LF	45.000	45.000	
0218	628.1520	Silt Fence Maintenance	LF	45.000	45.000	
0220	628.1905	Mobilizations Erosion Control	EACH	20.000	20.000	
0222	628.1910	Mobilizations Emergency Erosion Control	EACH	10.000	10.000	
0224	628.2004	Erosion Mat Class I Type B	SY	2,498.000	2,498.000	
0226	628.2006	Erosion Mat Urban Class I Type A	SY	2,865.000	2,865.000	
0228	628.7005	Inlet Protection Type A	EACH	142.000	142.000	
0230	628.7015	Inlet Protection Type C	EACH	107.000	107.000	
0232	628.7020	Inlet Protection Type D	EACH	36.000	36.000	
0234	628.7504	Temporary Ditch Checks	LF	100.000	100.000	
0236	628.7555	Culvert Pipe Checks	EACH	2.000	2.000	
0238	629.0210	Fertilizer Type B	CWT	4.910	4.910	
0240	630.0120	Seeding Mixture No. 20	LB	120.000	120.000	
0242	630.0140	Seeding Mixture No. 40	LB	60.350	60.350	
0244	630.0200	Seeding Temporary	LB	129.700	129.700	
0246	634.0810	Posts Tubular Steel 2x2-Inch X 10-FT	EACH	57.000	57.000	
0248	634.0811	Posts Tubular Steel 2x2-Inch X 11-FT	EACH	24.000	24.000	
0250	634.0812	Posts Tubular Steel 2x2-Inch X 12-FT	EACH	18.000	18.000	
0252	634.0814	Posts Tubular Steel 2x2-Inch X 14-FT	EACH	7.000	7.000	
0254	637.2210	Signs Type II Reflective H	SF	372.810	372.810	
0256	637.2215	Signs Type II Reflective H Folding	SF	7.500	7.500	
0258	638.2102	Moving Signs Type II	EACH	100.000	100.000	
0260	638.2602	Removing Signs Type II	EACH	23.000	23.000	
0262	638.3000	Removing Small Sign Supports	EACH	94.000	94.000	
0264	642.5401	Field Office Type D	EACH	1.000	1.000	
0266	643.0300	Traffic Control Drums	DAY	36,651.000	36,651.000	
0268	643.0410	Traffic Control Barricades Type II	DAY	4,252.000	4,252.000	
0270	643.0420	Traffic Control Barricades Type III	DAY	9,165.000	9,165.000	
0272	643.0705	Traffic Control Warning Lights Type A	DAY	13,848.000	13,848.000	
0274	643.0715	Traffic Control Warning Lights Type C	DAY	768.000	768.000	
0276	643.0800	Traffic Control Arrow Boards	DAY	256.000	256.000	
0278	643.0900	Traffic Control Signs	DAY	89,322.000	89,322.000	
0280	643.0920	Traffic Control Covering Signs Type II	EACH	256.000	256.000	
0282	643.1000	Traffic Control Signs Fixed Message	SF	256.000	256.000	
0284	643.5000	Traffic Control	EACH	1.000	1.000	
0286	644.1420	Temporary Pedestrian Surface Plywood	SF	8,500.000	8,500.000	
0288	644.1430	Temporary Pedestrian Surface Plate	SF	2,140.000	2,140.000	
0290	644.1601	Temporary Pedestrian Curb Ramp	DAY	52.000	52.000	
0292	644.1810	Temporary Pedestrian Barricade	LF	460.000	460.000	
0294	645.0120	Geotextile Type HR	SY	831.000	831.000	

					1560-00-70	1560-00-80
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**
0296	645.0130	Geotextile Type R	SY	333.000	333.000	
0298	646.5020	Marking Arrow Epoxy	EACH	63.000	63.000	
0300	646.5120	Marking Word Epoxy	EACH	2.000	2.000	
0302	646.6120	Marking Stop Line Epoxy 18-Inch	LF	173.000	173.000	
0304	646.6320	Marking Dotted Extension Epoxy 18-Inch	LF	52.000	52.000	
0306	646.6464	Cold Weather Marking Epoxy 4-Inch	LF	26,908.000	26,908.000	
0308	646.6468	Cold Weather Marking Epoxy 8-Inch	LF	746.000	746.000	
0310	646.7120	Marking Diagonal Epoxy 12-Inch	LF	255.000	255.000	
0312	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	4,461.000	4,461.000	
0314	646.8120	Marking Curb Epoxy	LF	20.000	20.000	
0316	646.8220	Marking Island Nose Epoxy	EACH	2.000	2.000	
0318	646.9000	Marking Removal Line 4-Inch	LF	150.000	150.000	
0320	649.0150	Temporary Marking Line Removable Tape 4-Inch	LF	12,420.000	12,420.000	
0322	649.0250	Temporary Marking Line Removable Tape 8-Inch	LF	1,212.000	1,212.000	
0324	649.0850	Temporary Marking Stop Line Removable Tape 18-Inch	LF	80.000	80.000	
0326	650.4000	Construction Staking Storm Sewer	EACH	186.000	186.000	
0328	650.4500	Construction Staking Subgrade	LF	7,013.000	7,013.000	
0330	650.5000	Construction Staking Base	LF	1,552.000	1,552.000	
0332	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	2,377.000	2,377.000	
0334	650.6000	Construction Staking Pipe Culverts	EACH	1.000	1.000	
0336	650.7000	Construction Staking Concrete Pavement	LF	5,650.000	5,650.000	
0338	650.8000	Construction Staking Resurfacing Reference	LF	950.000	950.000	
0340	650.8500	Construction Staking Electrical Installations (project) 01. 1560-00-70	LS	1.000	1.000	
0342	650.9000	Construction Staking Curb Ramps	EACH	96.000	96.000	
0344	650.9910	Construction Staking Supplemental Control (project) 01. 1560-00-70	LS	1.000	1.000	
0346	650.9920	Construction Staking Slope Stakes	LF	7,013.000	7,013.000	
0348	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	11,276.000	11,276.000	
0350	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	2,547.000	2,547.000	
0352	652.0605	Conduit Special 2-Inch	LF	58.000	58.000	
0354	652.0800	Conduit Loop Detector	LF	2,996.000	2,996.000	
0356	653.0154	Pull Boxes Non-Conductive 24x36-Inch	EACH	11.000	11.000	
0358	653.0164	Pull Boxes Non-Conductive 24x42-Inch	EACH	79.000	79.000	
0360	653.0905	Removing Pull Boxes	EACH	22.000	22.000	
0362	654.0101	Concrete Bases Type 1	EACH	14.000	14.000	
0364	654.0105	Concrete Bases Type 5	EACH	3.000	3.000	
0366	654.0110	Concrete Bases Type 10	EACH	2.000	2.000	
0368	654.0113	Concrete Bases Type 13	EACH	2.000	2.000	
0370	654.0120	Concrete Bases Type 10-Special	EACH	2.000	2.000	
0372	654.0217	Concrete Control Cabinet Bases Type 9 Special	EACH	2.000	2.000	
0374	655.0230	Cable Traffic Signal 5-14 AWG	LF	759.000	759.000	
0376	655.0240	Cable Traffic Signal 7-14 AWG	LF	2,116.000	2,116.000	
0378	655.0260	Cable Traffic Signal 12-14 AWG	LF	2,273.000	2,273.000	
0380	655.0320	Cable Type UF 2-10 AWG Grounded	LF	2,001.000	2,001.000	
0382	655.0510	Electrical Wire Traffic Signals 12 AWG	LF	5,249.000	5,249.000	
0384	655.0515	Electrical Wire Traffic Signals 10 AWG	LF	2,153.000	2,153.000	
0386	655.0610	Electrical Wire Lighting 12 AWG	LF	9,832.000	9,832.000	
0388	655.0625	Electrical Wire Lighting 6 AWG	LF	29,227.000	29,227.000	
0390	655.0630	Electrical Wire Lighting 4 AWG	LF	28,461.000	28,461.000	
0392	655.0700	Loop Detector Lead In Cable	LF	6,795.000	6,795.000	

					1560-00-70	1560-00-80
Line	Item	Item Description	Unit	Total	Qty	Qty
0394	655.0800	Loop Detector Wire	LF	9,292.000	9,292.000	
0396	655.0900	Traffic Signal EVP Detector Cable	LF	1,488.000	1,488.000	
0398	656.0200	Electrical Service Meter Breaker Pedestal (location) 01. USH 63 & Walnut Street	LS	1.000	1.000	
0400	656.0200	Electrical Service Meter Breaker Pedestal (location) 02. USH 63 & STH 70	LS	1.000	1.000	
0402	657.0100	Pedestal Bases	EACH	14.000	14.000	
0404	657.0255	Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	EACH	3.000	3.000	
0406	657.0322	Poles Type 5-Aluminum	EACH	3.000	3.000	
0408	657.0350	Poles Type 10	EACH	2.000	2.000	
0410	657.0352	Poles Type 10-Special	EACH	2.000	2.000	
0412	657.0361	Poles Type 13-Over Height	EACH	2.000	2.000	
0414	657.0425	Traffic Signal Standards Aluminum 15-FT	EACH	6.000	6.000	
0416	657.0430	Traffic Signal Standards Aluminum 10-FT	EACH	8.000	8.000	
0418	657.0530	Monotube Arms 30-FT	EACH	2.000	2.000	
0420	657.0535	Monotube Arms 35-FT	EACH	1.000	1.000	
0422	657.0540	Monotube Arms 40-FT	EACH	1.000	1.000	
0424	657.0541	Monotube Arms 40-FT-Special	EACH	2.000	2.000	
0426	657.0615	Luminaire Arms Single Member 4 1/2-Inch Clamp 8-FT	EACH	3.000	3.000	
0428	657.0808	Luminaire Arms Steel 8-FT	EACH	6.000	6.000	
0430	658.0173	Traffic Signal Face 3S 12-Inch	EACH	18.000	18.000	
0432	658.0174	Traffic Signal Face 4S 12-Inch	EACH	12.000	12.000	
0434	658.0416	Pedestrian Signal Face 16-Inch	EACH	16.000	16.000	
0436	658.0500	Pedestrian Push Buttons	EACH	16.000	16.000	
0438	658.5069	Signal Mounting Hardware (location) 01. USH 63 & Walnut Street	LS	1.000	1.000	
0440	658.5069	Signal Mounting Hardware (location) 02. USH 63 & STH 70	LS	1.000	1.000	
0442	659.1115	Luminaires Utility LED A	EACH	3.000	3.000	
0444	659.1125	Luminaires Utility LED C	EACH	6.000	6.000	
0446	661.0200	Temporary Traffic Signals for Intersections (location) 01. USH 63 & STH 70	LS	1.000	1.000	
0448	661.0300	Generators	DAY	2.000	2.000	
0450	670.0200	ITS Documentation	LS	1.000	1.000	
0452	671.0112	Conduit HDPE 1-Duct 2-Inch	LF	29.000	29.000	
0454	671.0122	Conduit HDPE 2-Duct 2-Inch	LF	5,930.000	5,930.000	
0456	671.0222	Conduit HDPE Directional Bore 2-Duct 2-Inch	LF	250.000	250.000	
0458	671.0300	Fiber Optic Cable Marker	EACH	6.000	6.000	
0460	673.0105	Communication Vault Type 1	EACH	3.000	3.000	
0462	673.0200	Tracer Wire Marker Posts	EACH	2.000	2.000	
0464	678.0006	Install Fiber Optic Cable Outdoor Plant 6-CT	LF	3,348.000	3,348.000	
0466	690.0150	Sawing Asphalt	LF	5,055.000	5,055.000	
0468	690.0250	Sawing Concrete	LF	768.000	768.000	
0470	715.0720	Incentive Compressive Strength Concrete Pavement	DOL	7,330.000	7,330.000	
0472	740.0440	Incentive IRI Ride	DOL	1.000	1.000	
0474	999.1501.S	Crack and Damage Survey	EACH	1.000	1.000	
0476	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	2,400.000	2,400.000	
0478	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	2,760.000	2,760.000	
0480	SPV.0035	Special 01. Roof Drain Flume	CY	1.500	1.500	
0482	SPV.0060	Special 01. Inlet Covers Type H-D	EACH	16.000	16.000	
0484	SPV.0060	Special 02. Temporary Storm Sewer Connection	EACH	3.000	3.000	
0486	SPV.0060	Special 03. Concrete Base Type Special	EACH	43.000	43.000	
0488	SPV.0060	Special 04. Concrete Control Cabinet Base Type Special	EACH	1.000	1.000	
0490	SPV.0060	Special 05. Lighting Control Cabinet Type Special	EACH	1.000	1.000	

Line	Item	Item Description	Unit	Total	1560-00-70 Qty	1560-00-80 Qty
0492	SPV.0060	Special 06. Lighting Unit Type Special	EACH	42.000	42.000	
0494	SPV.0060	Special 07. Salvage and Reinstall Lighting Unit	EACH	1.000	1.000	
0496	SPV.0060	Special 08. Salvage and/or Dispose of Lighting Unit Equipment	EACH	14.000	14.000	
0498	SPV.0060	Special 09. Salvage Sign Posts	EACH	28.000	28.000	
0500	SPV.0060	Special 10. Sanitary Sewer Manholes w/ Casting 4-FT Diameter	EACH	18.000		18.000
0502	SPV.0060	Special 11. Connect to Existing Sanitary Sewer Main	EACH	24.000		24.000
0504	SPV.0060	Special 12. Connect to Existing Sanitary Sewer Service	EACH	52.000		52.000
0506	SPV.0060	Special 13. Sanitary Sewer Wye, 8-inch x 6-inch	EACH	16.000		16.000
0508	SPV.0060	Special 14. Sanitary Sewer Wye, 10-inch x 6-inch	EACH	23.000		23.000
0510	SPV.0060	Special 15. Sanitary Sewer Wye, 12-inch x 6-inch	EACH	15.000		15.000
0512	SPV.0060	Special 16. Sanitary Sewer Saddle, 8-inch x 6-inch	EACH	1.000		1.000
0514	SPV.0060	Special 17. Exploratory Excavation	EACH	20.000		20.000
0516	SPV.0060	Special 18. Sanitary Sewer Cleanout	EACH	5.000		5.000
0518	SPV.0060	Special 19. Remove Existing Hydrant and Lead	EACH	8.000		8.000
0520	SPV.0060	Special 20. Connect to Existing Water Main	EACH	21.000		21.000
0522	SPV.0060	Special 21. Lower Water Main	EACH	8.000		8.000
0524	SPV.0060	Special 22. Gate Valve and Box 6-inch	EACH	14.000		14.000
0526	SPV.0060	Special 23. Gate Valve and Box 8-inch	EACH	19.000		19.000
0528	SPV.0060	Special 24. Gate Valve and Box 10-inch	EACH	2.000		2.000
0530	SPV.0060	Special 25. Hydrant 8.5-FT Bury Depth	EACH	9.000		9.000
0532	SPV.0060	Special 26. Connect to Existing Water Service	EACH	44.000		44.000
0534	SPV.0060	Special 27. Corporation Stop 1-inch	EACH	51.000		51.000
0536	SPV.0060	Special 28. Corporation Stop 2-inch	EACH	2.000		2.000
0538	SPV.0060	Special 29. Curb Stop & Box 1-inch	EACH	52.000		52.000
0540	SPV.0060	Special 30. Curb Stop & Box 2-inch	EACH	2.000		2.000
0542	SPV.0060	Special 31. Adjust Existing Gate Valve Box	EACH	5.000		5.000
0544	SPV.0060	Special 32. Remove and Salvage Traffic Signals US 63 & Walnut Street	EACH	1.000	1.000	
0546	SPV.0060	Special 33. Remove and Salvage Traffic Signals USH 63 & STH 70	EACH	1.000	1.000	
0548	SPV.0060	Special 34. Install State Furnished EVP Detector Heads USH 63 & Walnut Street	EACH	1.000	1.000	
0550	SPV.0060	Special 35. Install State Furnished EVP Detector Heads USH 63 & STH 70	EACH	1.000	1.000	
0552	SPV.0060	Special 36. Temporary Vehicle Detection US 63 & STH 70	EACH	1.000	1.000	
0554	SPV.0060	Special 37. Maintain Water Service During Construction	EACH	1.000		1.000
0556	SPV.0060	Special 38. Install Conduit Into Existing CINC Vault	EACH	2.000	2.000	
0558	SPV.0085	Special 01. Water Main Fittings	LB	1,999.000		1,999.000
0560	SPV.0090	Special 01. Storm Sewer Pipe PVC 6-Inch	LF	20.000	20.000	
0562	SPV.0090	Special 02. Storm Sewer Pipe PVC 12-Inch	LF	8.000	8.000	
0564	SPV.0090	Special 03. Concrete Curb & Gutter 24-Inch Type D	LF	179.000	179.000	
0566	SPV.0090	Special 04. Sanitary Sewer Service PVC 6-inch	LF	2,096.000		2,096.000
0568	SPV.0090	Special 05. Sanitary Sewer Main 8-inch	LF	1,791.000		1,791.000
0570	SPV.0090	Special 06. Sanitary Sewer Main 10-inch	LF	1,240.000		1,240.000
0572	SPV.0090	Special 07. Sanitary Sewer Main 12-inch	LF	842.000		842.000
0574	SPV.0090	Special 08. Televise Sanitary Sewer Main	LF	3,873.000		3,873.000
0576	SPV.0090	Special 09. Water Service 1-inch	LF	2,026.000		2,026.000
0578	SPV.0090	Special 10. Water Service 2-inch	LF	101.000		101.000
0580	SPV.0090	Special 11. Water Main C900 6-inch	LF	558.000		558.000
0582	SPV.0090	Special 12. Water Main C900 8-inch	LF	3,733.000		3,733.000
0584	SPV.0090	Special 13. Water Main C900 10-inch	LF	130.000		130.000
0586	SPV.0090	Special 14. Water Main Wrapped Ductile Iron 8-inch	LF	150.000		150.000
0588	SPV.0090	Special 15. Install State Furnished Cat-5E Cable	LF	758.000	758.000	

					1560-00-70	1560-00-80
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**
0590	SPV.0165	Special 01. Modular Block Retaining Wall	SF	30.000	30.000	
0592	SPV.0200	Special 01. Sanitary Manhole Excess Depth 4-FT Diameter	VF	38.700		38.700

CLEARING AND GRUBBING

STATION	LOCATION	201.0105 CLEARING STA	201.0120 CLEARING ID	201.0205 GRUBBING STA	201.0220 GRUBBING ID
STAGE 1					
STH 70					
8+50 - 9+50	LT	1		1	
10+46	49' LT		9		9
STAGE 1 SUBTOTAL		1	9	1	9
STAGE 2					
USH 63					
1263+98	25' LT		12		12
1265+38	25' LT		0		14
1269+76	35' LT		6		6
STAGE 2 SUBTOTAL			18		32
STAGE 3					
USH 63					
1286+73	26' RT		14		14
1290+76	26' RT		12		12
1292+10	26' LT		20		20
1292+10	26' RT		20		20
CEDAR STREET					
80+40	36' LT		6		6
80+44	36' LT		6		6
STAGE 3 SUBTOTAL			78		78
STAGE 4					
USH 63					
1294+46	26' LT		15		15
1294+47	26' RT		12		12
1294+83	36' RT		20		20
1294+96	37' RT		20		20
1295+96	35' RT		6		6
1296+10	26' LT		10		10
1296+31	36' RT		18		18
1297+60	36' RT		24		24
1299+97	26' RT		12		12
1302+19	27' RT		8		8
1302+84	34' RT		3		3
1303+16	37' LT		6		6
1303+59	25' LT		14		14
1304+17	37' LT		3		3
1304+25	35' LT		8		8
1308+87 - 1309+91	67' LT	1		1	
SPRUCE STREET					
100+63	37' LT		12		12
BALSAM STREET					
109+52	26' LT		24		24
POPLAR STREET					
119+53	31' RT		20		20
STAGE 4 SUBTOTAL		1	235	1	235
ITEM TOTALS		2	340	2	354

REMOVING SMALL CULVERT PIPE CULVERTS

STATION	LOCATION	203.0100 EACH	COMMENTS
STAGE 4			
USH 63			
1306+97	39' LT	1	15" X 60' CMP
1309+16	53' RT	1	36" X 60' CMP
STAGE 4 SUBTOTAL		2	
ITEM TOTAL		2	

REMOVING CONCRETE PAVEMENT

STATION	LOCATION	204.0100 SY	COMMENTS
STAGE 2			
USH 63			
1263+60.2	LT	9	PE
1263+97.8	RT	37	CE
1270+68.0 - 1271+06.8	LT	45	CE & PARKING LOT
1270+68.0 - 1271+22.8	RT	66	PARKING LOT
1274+54.7 - 1275+18.2	LT	70	CE & PARKING LOT
1276+16.9 - 1276+26.0	LT	1	
ASH STREET			
29+35.9 - 29+65.9	LT	52	PARKING LOT
30+31.1 - 30+58.8	LT	38	
OAK STREET			
39+37.4 - 39+66.2	LT	26	
STAGE 2 SUBTOTAL		345	
STAGE 3			
USH 63			
1282+94.9 - 1283+14.4	LT	5	TERRACE
1283+02.6	RT	7	FLUME
1283+93.9 - 1284+29.3	LT	11	CE
1284+40.4	RT	3	
1288+04.9	LT	13	
1290+44.2	RT	6	PE
1290+58.3	LT	5	CE
1292+51.2	RT	4	PE
PINE STREET			
69+25.1 - 69+59.4	LT	28	
STAGE 3 SUBTOTAL		82	
STAGE 4			
USH 63			
1294+22.6	RT	13	PE
1295+08.5	LT	17	PE
1298+98	RT	10	PE
1299+85	RT	5	CE
1300+23.2	LT	4	PE
1301+70.1	RT	11	
1302+65.4	RT	35	
1303+04.1	LT	6	
1303+71.9	LT	4	
1304+18.4	RT	9	
1305+75 - 1310+68.73	LT & RT	1097	
STAGE 4 SUBTOTAL		1211	
ITEM TOTAL		1637	

REMOVING ASPHALTIC SURFACE MILLING

STATION	LOCATION	204.0120 SY	COMMENTS
STAGE 5			
USH 63			
1248+55.00 - 1254+42.13	LT & RT	2859	
1255+57.15 - 1258+38.20	LT & RT	1464	
1258+38.20 - 1259+20.00	RT	109	
STAGE 5 SUBTOTAL		4432	
ITEM TOTAL		4432	

REMOVING CURB

STATION	LOCATION	204.0130 LF
STAGE 3		
USH 63		
1248+76.0 - 1285+33.4	LT	67
STAGE 3 SUBTOTAL		67
ITEM TOTAL		67

CRACK AND DAMAGE SURVEY

STATION	LOCATION	999.1500.S EACH	COMMENTS
CATEGORY 0010			
USH 63			
OAK STREET - ELM STREET		1	
TOTAL		1	
ITEM TOTAL		1	

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

REMOVING CURB & GUTTER

STATION	LOCATION	204.0150 LF	COMMENTS
STAGE 1			
USH 63			
1259+20 - 1263+50	LT & RT	617	ML
1261+62.7 - 1261+96	LT	47	KWIK TRIP
LINN STREET			
4+41 - 4+78	LT	49	
4+41 - 4+78	RT	51	
STH 70			
8+53 - 9+78	LT	139	
8+53 - 9+78	RT	143	
10+22 - 11+10	LT	108	
10+22 - 11+10	RT	110	
10+38 - 10+60.5	LT	18	MCDONALDS
STAGE 1 SUBTOTAL		1282	
STAGE 2			
USH 63			
1263+50 - 1279+00	LT & RT	2528	
VINE STREET			
19+25 - 19+78	LT & RT	130	
20+22 - 20+85	LT & RT	152	
20+66.3	RT	13	
ASH STREET			
29+25 - 29+78	LT & RT	131	
30+22 - 30+85	LT & RT	150	
OAK STREET			
39+25 - 39+78	LT & RT	102	
40+22 - 40+80	LT & RT	139	
WALNUT STREET			
49+50.67 - 49+78	LT	38	
49+50.67 - 49+78	RT	32	
50+22 - 50+70	LT	53	
50+22 - 50+70	RT	58	
STAGE 2 SUBTOTAL		3526	
STAGE 3			
USH 63			
1279+00 - 1294+00	LT & RT	2287	
ELM STREET			
59+25 - 59+78	LT & RT	131	
60+22 - 60+75	LT & RT	134	
PINE STREET			
69+25 - 69+78	LT & RT	131	
70+22 - 70+75	LT & RT	106	
CEDAR STREET			
79+15 - 79+78	LT & RT	116	
80+22 - 80+76	LT & RT	134	
HAZEL STREET			
89+15.00 - 89+78	LT & RT	116	
90+22 - 90+75	LT & RT	131	
STAGE 3 SUBTOTAL		3286	
STAGE 4			
USH 63			
1292+94 - 1305+42	LT & RT	1747	
SPRUCE STREET			
99+25 - 99+78	LT & RT	141	
100+22 - 100+75	LT & RT	132	
BALSAM STREET			
109+35 - 109+78	LT & RT	96	
110+22 - 110+70	LT & RT	122	
POPLAR STREET			
119+25.18 - 119+78	LT & RT	129	
120+22 - 120+73.83	LT & RT	93	
STAGE 4 SUBTOTAL		2460	
ITEM TOTAL		10554	

REMOVING CONCRETE SIDEWALK

STATION	LOCATION	204.0155 SY	COMMENTS
CATEGORY 0020			
STAGE 1			
USH 63			
1259+20 - 1263+50	LT & RT	312	
STH 70			
8+53 - 9+78	LT & RT	212	
10+72 - 10+31	LT & RT	11	
STAGE 1 SUBTOTAL		535	
STAGE 2			
USH 63			
1263+50 - 1279+00	LT & RT	1442	
1269+19.8	LT	11	
1278+25.7 - 1278+61.5	LT	33	PARK
VINE STREET			
19+25 - 19+78	RT	37	
19+68 - 19+73	LT	7	
20+26 - 20+31	LT	7	
ASH STREET			
29+25 - 29+78	RT	34	
29+65 - 29+70	LT	13	
30+22 - 30+58	LT	22	
OAK STREET			
39+25 - 39+78	LT & RT	90	
40+22 - 40+80	LT & RT	81	
WALNUT STREET			
49+50.67 - 49+78	LT & RT	67	
50+22 - 50+70	LT & RT	122	
STAGE 2 SUBTOTAL		1966	
STAGE 3			
USH 63			
1279+00 - 1294+00	LT & RT	1409	
1292+27.5	LT	4	STEPS
ELM STREET			
59+25 - 59+78	LT & RT	73	
60+422 - 60+75	LT & RT	96	
PINE STREET			
69+25- 69+78	LT & RT	44	
70+22 - 70+75	LT & RT	80	
CEDAR STREET			
79+15 - 79+78	LT & RT	49	
80+22 - 80+76	LT & RT	46	
HAZEL STREET			
89+15 - 89+78	LT & RT	46	
90+22 - 90+75	LT & RT	62	
STAGE 3 SUBTOTAL		1909	
STAGE 4			
USH 63			
1294+00 - 1305+42	LT & RT	763	
1294+87.5	LT	4	STEPS
1303+34.8	LT	3	STEPS
SPRUCE STREET			
99+68 - 99+73	LT	8	
100+28 - 100+33	LT & RT	17	
BALSAM STREET			
109+35 - 109+78	LT & RT	35	
110+22 - 110+45	LT & RT	25	
POPLAR STREET			
119+25.18 - 119+78	LT & RT	28	
STAGE 4 SUBTOTAL		883	
CATEGORY 0020 SUBTOTAL		5293	
ITEM TOTAL		5293	

REMOVING FENCE

STATION	LOCATION	204.0170 LF	COMMENTS
STAGE 3			
USH 63			
1292+59.29 - 1292+63.80	RT	8	WOOD FENCE
1292+99.21 - 1293+03.22	RT	8	WOOD FENCE
1293+71.8 - 1294+42	LT	70	WOOD FENCE
HAZEL STREET			
89+15 - 89+67	LT	53	
STAGE 3 SUBTOTAL		139	
STAGE 4			
USH 63			
1297+58 - 1298+68	RT	110	WIRE MESH
SPRUCE STREET			
100+33 - 100+82	LT	49	WIRE MESH
STAGE 4 SUBTOTAL		159	
ITEM TOTAL		298	

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

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REMOVING CONCRETE BASES

STATION	LOCATION	* 204.0195 EACH	COMMENTS
STAGE 1			
USH 63			
1261+99.0	28.4' LT	1	SIGNAL
1262+08.4	31.2' RT	1	SIGNAL
1262+17.7	41.6' LT	1	SIGNAL
1262+24.7	46.2' RT	1	SIGNAL
1262+80	43.5' LT	1	SIGNAL
1262+84.1	42.5' RT	1	SIGNAL
1262+93.4	27.9' LT	1	SIGNAL
1262+93.6	LT	1	LP
1263+02	27.8' RT	1	SIGNAL
STAGE 1 SUBTOTAL		9	
STAGE 2			
USH 63			
1266+01.3	RT	1	LP
1269+80.3	RT	1	LP
1274+56.3	LT	1	LP
1275+83.3	RT	1	LP
1277+27.9	LT	1	LP
1277+62.5	26.7' LT	1	SIGNAL
1277+63.9	27.5' RT	1	SIGNAL
1277+74.1	RT	1	LP
1278+17.4	RT	1	DECORATIVE POLES
1278+17.6	LT	1	LP
1278+27.4	27.7' LT	1	SIGNAL
1278+28.8	26.8' RT	1	SIGNAL
STAGE 2 SUBTOTAL		12	
STAGE 3			
USH 63			
1279+43.9	RT	1	CONCRETE BASE
1280+42.2	RT	1	LP
1281+34.1	LT	1	LP
1284+81.8	32.5' LT	1	FLAG POLE BASE HOLIDAY
1286+01.8	LT	1	LP
1287+46.2	LT	1	LP
1289+18.3	LT	1	LP
1293+72.6	LT	1	LP
STAGE 3 SUBTOTAL		8	
STAGE 4			
USH 63			
1296+90.5	RT	1	LP
1301+44.1	LT	1	LP
1304+60	60' RT	1	OLD SIGN BASE
STAGE 4 SUBTOTAL		3	
ITEM TOTAL		32	

*ITEM SHOWN ELSEWHERE IN THE PLANS

REMOVING MANHOLES

STATION	LOCATION	* 204.0210 EACH
STAGE 1		
USH 63		
1259+01.4	14' LT	1
1262+87.1	13' LT	1
1262+88.0	18' RT	1
STAGE 1 SUBTOTAL		3
STAGE 2		
USH 63		
1264+50.2	13' LT	1
1265+99.1	13' RT	1
1269+83.4	14' RT	1
1270+09.6	13' RT	1
1271+08.4	13' RT	1
1274+23.1	13' RT	1
1274+46.5	13' RT	1
1277+55.5	14' RT	1
1277+73.3	38' RT	1
ASH STREET		
29+25.7	13' RT	1
STAGE 2 SUBTOTAL		10
STAGE 3		
USH 63		
1281+44.6	13' RT	1
1284+50.4	14' RT	1
1285+51.9	13' RT	1
1285+58.4	13' RT	1
1286+02.9	14' RT	1
1289+76.7	21' LT	1
1289+89.3	14' RT	1
1293+75.1	13' RT	1
PINE STREET		
69+49.2	7' RT	1
69+49.3	13' RT	1
STAGE 3 SUBTOTAL		10
STAGE 4		
USH 63		
1294+51.4	13' RT	1
1297+39.6	14' RT	1
1297+65.7	14' RT	1
1301+50.9	15' RT	1
1304+61.7	13' RT	1
1305+07.8	10' RT	1
SPRUCE STREET		
100+50.4	14' LT	1
STAGE 4 SUBTOTAL		7
ITEM TOTAL		30

*ITEM SHOWN ELSEWHERE IN PLAN

REMOVING INLETS

STATION	LOCATION	204.0220 EACH
STAGE 1		
USH 63		
1259+20.2	27' LT	1
1262+98.5	27' RT	1
1262+99.3	24' LT	1
STH 70		
9+52.7	22' LT	1
9+57.6	29' RT	1
STAGE 1 SUBTOTAL		5
STAGE 2		
USH 63		
1269+76.8	24' RT	1
1269+86.4	25' LT	1
1271+09.0	24' RT	1
1271+10.3	24' LT	1
1274+46.1	25' RT	1
1274+46.9	26' LT	1
1277+57.7	24' RT	1
VINE STREET		
20+45.8	17' RT	1
20+46.2	16' LT	1
ASH STREET		
30+46.3	20' LT	1
30+47.1	20' RT	1
OAK STREET		
40+37.1	24' RT	1
40+46.7	19' LT	1
STAGE 2 SUBTOTAL		13
STAGE 3		
USH 63		
1281+43.4	25' RT	1
1281+43.7	25' LT	1
1284+48.1	24' RT	1
1284+48.4	24' LT	1
1286+11.6	24' RT	1
1286+12.0	24' LT	1
1289+98.6	24' RT	1
1289+98.7	24' LT	1
ELM STREET		
60+42.7	21' LT	1
60+45.9	20' RT	1
PINE STREET		
69+53.0	19' LT	1
69+53.7	20' RT	1
70+39.9	22' RT	1
70+46.2	20' LT	1
CEDAR STREET		
79+33.2	26' LT	1
79+61.8	23' RT	1
80+37.7	21' RT	1
80+45.7	21' LT	1
HAZEL STREET		
89+53.7	20' RT	1
89+54.1	20' LT	1
90+37.9	22' RT	1
90+45.9	21' LT	1
STAGE 3 SUBTOTAL		22

REMOVING INLETS (CONT'D)

STATION	LOCATION	204.0220 EACH
STAGE 4		
USH 63		
1294+50.0	24' RT	1
1294+50.0	24' LT	1
1298+03.3	24' RT	1
1298+05.9	24' LT	1
1301+49.1	25' LT	1
1301+49.3	25' RT	1
1304+51.1	24' RT	1
1305+35.7	25' RT	1
POPLAR STREET		
119+47.2	21' LT	1
119+53.2	20' RT	1
120+38.7	22' RT	1
SPRUCE STREET		
99+31.7	20' LT	1
100+45.7	20' LT	1
100+46.6	20' RT	1
BALSAM STREET		
109+54.1	20' LT	1
109+62.8	23' RT	1
110+38.2	22' RT	1
110+46.6	20' LT	1
STAGE 4 SUBTOTAL		18
ITEM TOTAL		58

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

REMOVING STORM SEWER (SIZE)

STATION	LOCATION	204.0245.01 8-INCN PVC LF	204.0245.02 12-INCH LF	204.0245.03 15-INCH LF	204.0245.04 18-INCH LF	204.0245.05 21-INCH LF	204.0245.06 24-INCH LF	204.0245.07 30-INCH LF	204.0245.08 36-INCH LF
STAGE 1									
USH 63									
1258+39.61 - 1263+00.00	LT & RT		170				467		
STAGE 1 SUBTOTAL			170				467		
STAGE 2									
USH 63									
1263+00.00 - 1273+69.82	LT & RT		227	99	261		724		
VINE STREET									
20+45.99	LT & RT						33		
ASH STREET									
30+46.51	LT & RT		40						
OAK STREET									
40+00.00 - 40+58.99	LT & RT		71			46			
WALNUT STREET									
50+13.70 - 50+38.01	RT		41						
STAGE 2 SUBTOTAL			152			46			
STAGE 3									
USH 63									
1273+69.82 - 1285+20.65	LT & RT		150	708	53				
1285+20.65 - 1292+94.11	LT & RT		267	31	691		45		
ELM STREET									
60+25.19 - 60+45.91	LT & RT		68						
PINE STREET									
69+49.28 - 70+12.75	LT & RT		36				146		
70+12.75 - 70+46.25	LT & RT		72						
CEDAR STREET									
79+33.20 - 79+78.47	LT & RT		45						
80+13.53 - 80+45.80	LT & RT		36						
HAZEL STREET									
89+53.93	LT & RT		40						
90+12.71 - 90+46.03	LT & RT		37						
STAGE 3 SUBTOTAL			751	739	744		191		
STAGE 4									
USH 63									
1292+94.11 - 1305+41.96	LT & RT		723	147	81		364		769
SPRUCE STREET									
99+31.84 - 100+13.67	LT & RT	6						81	
100+13.67 - 100+50.40	LT & RT		42				37		
BALSAM STREET									
109+54.11 - 109+75.21	LT & RT		28						
110+25.58 - 110+46.45	LT & RT		28						
POPLAR STREET									
119+50.28	LT & RT		42						
120+13.27 - 120+60.70	LT & RT		51						
STAGE 4 SUBTOTAL		6	914	147	81	0	401	81	769
ITEM TOTALS		6	1987	886	825	46	1059	81	769

PREPARE FOUNDATION FOR

STATION	211.0100 ASPHALTIC PAVING (PROJECT) LS	211.0200 CONCRETE PAVING (PROJECT) LS	211.0300 CONCRETE BASE (PROJECT) LS	211.0500 BASE AGGREGATE STA
USH 63				
1248+55.00 - 1310+68.73	1	1	1	0
1258+38.23 - 1310+68.73				74
ITEM TOTALS	1	1	1	74

FINISHING ROADWAY (PROJECT)

STATION	LOCATION	213.0100 EACH
USH 63		
1248+55.00 - 1310+68.73	LT & RT	1
ITEM TOTAL		1

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

EARTHWORK SUMMARY

DIVISION	STATION	LOCATION	(1) 205.0100 EXCAVATION COMMON CY	(2)(3) SALVAGED/ UNUSABLE MATERIAL CY	(4) AVAILABLE MATERIAL CY	UNEXPANDED FILL CY	(5) EXPANDED FILL CY	(6) MASS ORDINATE CY	WASTE CY	205.0501.S EXCAVATION, HAULING, AND DISPOSAL OF PETROLEUM CONTAMINATED SOILS TON	COMMENTS
DIVISION 1 (STAGE 1)											
PROJECT 1560-00-70											
USH 63											
	1257+00 - 1258+32	USH 63 LT	266	0	266	0	0	266	0		ENERGY DISIPATOR
	1258+32 - 1263+50	USH 63	1244	420	824	3	4	820	420		
	4+41 - 4+78	LINN STREET	114	27	87	0	0	87	27		
	8+53 - 9+78	STH 70 (WEST)	507	124	383	1	1	382	124		
	10+22- 11+10	STH 70 (EAST)	254	103	151	1	1	150	103		
PROJECT 1560-00-70 SUBTOTAL			2385	674	1711	5	6	1705	674		
DIVISION 1 (STAGE 1) TOTAL			**2385**	**674**	**1711**	**5**	**6**	**1705**	**674**		
DIVISION 2 (STAGE 2)											
PROJECT 1560-00-70											
	1263+50 - 1279+00	USH 63	4715	1481	3234	2	3	3231	1481		
	1270+50 - 1274+00	USH 63								16	
	19+25 - 19+78	VINE STREET (WEST)	152	45	107	0	0	107	0		
	20+22 - 20+85	VINE STREET (EAST)	186	55	131	2	3	128	0		
	29+25 - 29+78	ASH STREET (WEST)	179	57	122	0	0	122	0		
	30+22 - 30+85	ASH STREET (EAST)	217	62	155	0	0	155	0		
	39+25 - 39+78	OAK STREET (WEST)	174	52	122	1	1	121	0		
	40+22 - 40+80	OAK STREET (EAST)	188	51	137	0	0	137	51		
	49+51 - 49+78	WALNUT STREET (WEST)	71	22	49	0	0	49	22		
	50+22 - 50+70	WALNUT STREET (EAST)	124	36	88	0	0	88	36		
			6006	1861	4145	5	7	4138	1590	16	
DIVISION 2 (STAGE 2) TOTAL			**6006**	**1861**	**4145**	**5**	**7**	**4138**	**1590**	**16**	
DIVISION 3 (STAGE 3)											
PROJECT 1560-00-70											
	1279+00 - 1294+00	USH 63	4667	1360	3307	14	17	3290	1360		
	59+25 - 59+78	ELM STREET (WEST)	183	44	139	0	0	139	0		
	60+22 - 60+75	ELM STREET (EAST)	183	50	133	3	4	129	0		
	69+15 - 69+78	PINE STREET (WEST)	216	50	166	0	1	165	0		
	70+22 - 70+75	PINE STREET (EAST)	175	43	132	0	0	132	0		
	79+15 - 79+78	CEDAR STREET (WEST)	220	54	166	0	0	166	0		
	80+22 - 80+76	CEDAR STREET (EAST)	185	44	141	0	0	141	0		
	89+15 - 89+78	HAZEL STREET (WEST)	215	43	172	0	0	172	43		
	90+22 - 90+75	HAZEL STREET (EAST)	162	43	119	2	3	116	43		
PROJECT 1560-00-70 SUBTOTAL			6206	1731	4475	19	25	4450	1446		
DIVISION 3 (STAGE 3) TOTAL			**6206**	**1731**	**4475**	**19**	**25**	**4450**	**1446**		
DIVISION 4 (STAGE 4)											
PROJECT 1560-00-70											
	1294+00 - 1310+68.73	USH 63	5428	2041	3387	125	162	3225	2041		
	1306+00 - 1307+75	USH 63								16	
	99+25 - 99+78	SPRUCE STREET (WEST)	195	50	145	0	0	145	50		
	100+22 - 100+75	SPRUCE STREET (EAST)	173	38	135	0	0	135	38		
	109+35 - 109+78	BALSAM STREET (WEST)	153	33	120	0	0	120	33		
	110+22 - 110+70	BALSAM STREET (EAST)	162	41	121	2	2	119	41		
	119+25 - 119+78	POPLAR STREET (WEST)	167	38	129	0	0	129	38		
	120+22 - 120+74	POPLAR STREET (EAST)	137	38	99	0	0	99	38		
CATEGORY 0050	128+15 - 129+78	NEW ROAD	397	5	392	64	84	308	5		
	1309+40 - 1311+70	USH 63 RT	625	0	625	0	0	625	0		ENERGY DISIPATOR
PROJECT 1560-00-70 SUBTOTAL			7437	2284	5153	191	248	4905	2284	16	
DIVISION 4 (STAGE 4) TOTAL			**7437**	**2284**	**5153**	**191**	**248**	**4905**	**2284**	**16**	
PROJECT 1560-00-70 TOTAL		CATEGORY 0010	21637							32	
		CATEGORY 0050	397								
		GRAND TOTALS	**22034**								

(1) EXCAVATION COMMON IS THE TOTAL VOLUME OF CUT. ITEM NUMBER 205 0100

(2) SALVAGED/ UNUSABLE PAVEMENT MATERIAL ARE INCLUDED IN THE QUANTITY OF EXCAVATION COMMON

(3) SALVAGED/ UNUSABLE PAVEMENT MATERIAL. INCLUDES PAVEMENT, ASPHALT, CURB AND GUTTER AND SIDEWALKS. ASPHALT DRIVEWAYS AND PARKING LOTS WERE ESTIMATED AT 3" DEPTH.

(4) AVAILABLE MATERIAL = EXCAVATION COMMON - UNUSABLE PAVEMENT MATERIAL

(5) STAGES 1, 2, 3 AND 4 EXPANDED FILL FACTOR = 1.30

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

THE MASS ORDINATE IS = EXCAVATION COMMON - SALVAGED/UNUSABLE PAVEMENT MATERIAL - EXPANDED FILL.

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

BASE AGGREGATE

STATION	LOCATION	305.0110 DENSE 3/4-INCH TON	305.0120 DENSE 1 1/4-INCH TON	COMMENTS
STAGE 1				
CATEGORY 0010				
USH 63				
1258+38.2 - 1261+59.9	LT & RT	48	775	
1261+59.9 - 1263+50.0	LT & RT	6	373	
LINN STREET				
4+41.0 - 4+78.0	LT & RT	0	85	
STH 70				
8+53.0 - 9+78.0	LT & RT	68	303	
10+22.0 - 10+60.5	LT	0	4	MCDONALDS
10+22.0 - 11+00.9	RT	0	28	PARKING LOT
10+22.0 - 11+10.0	LT & RT	38	243	
DRIVEWAYS				
1259+99.7	RT	0	22	
1260+64.9	LT	0	18	
1259+54 - 1260+40	RT	0	13	PARKING LOT
1261+30.1	RT	0	27	
1261+09.7 - 1261+82.2	RT	0	22	PARKING LOT
1261+62.7 - 1261+95.2	LT	0	10	KWIK TRIP PARKING LOT
UNDISTRIBUTED	LT & RT		180	TEMPORARY BASE
STAGE 1 SUBTOTAL		160	2103	
STAGE 2				
USH 63				
1263+50.00 - 1279+00.00	LT & RT	395	3043	
1269+76.7 - 1269+93.2	LT	1		RETAINING WALL BASE
VINE STREET				
19+25.00 - 19+78.00	LT & RT	18	122	
20+22.0 - 20+85.00	LT & RT	15	185	
ASH STREET				
29+25.00 - 29+78.0	LT & RT	18	133	
30+22.0 - 30+85.00	LT & RT	0	189	
OAK STREET				
39+25.00 - 39+78.00	LT & RT	16	136	
40+22.0 - 40+80.00	LT & RT	22	141	
WALNUT STREET				
49+50.67 - 49+78.0	LT & RT	17	35	
50+22.0 - 50+70.00	LT & RT	27	89	
DRIVEWAYS				
1263+97.8	RT	0	25	
1264+45.6	LT	0	27	
1264+53.8	RT	0	19	
1264+68.7 - 1265+95.8	RT	0	32	PARKING LOT
1267+03.8	RT	0	15	
1267+15.8 - 1267+46.6	RT	0	8	PARKING LOT
1268+29.2	LT	0	19	INC PARKING LOT
1268+30.3	RT	0	14	
1267+92.0 - 1269+78.3	RT	0	42	PARKING LOT
1270+95.8	LT	0	17	INC CONC PARKING LOT
1270+55.5 - 1271+19.0	RT	0	24	CONC PARKING LOT
1271+49.2	RT	0	41	INC PARKING LOT
1272+16.9	LT	0	22	INC PARKING LOT
1272+20.1	RT	0	17	INC PARKING LOT
1272+63.1 - 1273+58.9	RT	0	15	PARKING LOT
1274+82.4	RT	0	15	
1274+96.1	LT	0	36	INC CONC PARKING LOT
1275+12.0 - 1275+38.7	RT	0	4	PARKING LOT
1276+02.4	LT	0	16	
1276+02.8	RT	0	15	
1278+19.2 - 1278+61.8	LT	0	9	CONC PARK
UNDISTRIBUTED	LT & RT		360	TEMPORARY BASE
STAGE 2 SUBTOTAL		529	4865	

BASE AGGREGATE (CONT'D)

STATION	LOCATION	305.0110 DENSE 3/4-INCH TON	305.0120 DENSE 1 1/4-INCH TON	COMMENTS
STAGE 3				
USH 63				
1279+00.00 - 1294+00.00	LT & RT	375	2945	
ELM STREET				
59+25.00 - 59+78.0	LT & RT	18	111	
59+25.0 - 59+52.6	RT	0	12	DRIVEWAY
60+22.0 - 60+75.00	LT & RT	21	122	
PINE STREET				
69+15.00 - 69+78.0	LT & RT	13	132	
69+25.00 - 69+51.3	RT	0	26	DRIVEWAY
70+22.0 - 70+75.00	LT & RT	19	111	
CEDAR STREET				
79+15.00 - 79+50.72	LT & RT	16	172	
80+49.21 - 80+76.00	LT & RT	14	124	
HAZEL STREET				
89+15.00 - 89+50.89	LT & RT	15	136	
90+49.17 - 90+75.00	LT & RT	19	111	
DRIVEWAYS				
1279+87.9	LT	0	13	
1279+88.1	RT	0	29	INC PARKING LOT
1280+21.9	RT	0	27	INC PARKING LOT
1280+75.7	LT	0	21	INC PARKING LOT
1283+73.9	LT	0	27	INC PARKING LOT
1283+77.9	RT	0	16	
1284+13.1	LT	0	23	INC PARKING LOT
1284+28.3 - 1285+20.6	LT	0	22	PARKING LOT
1284+36.6 - 1284+12.2	RT	0	3	PARKING LOT
1285+12.2 - 1285+23.3	RT	0	4	PARKING LOT
1287+58.4	RT	0	19	
1287+61.5	LT	0	12	
1287+69.7 - 1289+07.7	LT	0	18	PARKING LOT
1288+58.2	RT	0	24	INC PARKING LOT
1290+44.2	RT	0	12	
1290+58.3	LT	0	15	
1291+45.1	RT	0	14	
1291+45.9	LT	0	14	
1292+50.8	LT	0	12	
1292+51.2	RT	0	11	
UNDISTRIBUTED	LT & RT		360	TEMPORARY BASE
STAGE 3 SUBTOTAL		510	4698	

BASE AGGREGATE (CONT'D)

STATION	LOCATION	305.0110 DENSE 3/4-INCH TON	305.0120 DENSE 1 1/4-INCH TON	COMMENTS
STAGE 4				
USH 63				
1294+00.00 - 1305+78.0	LT & RT	283	2239	
1305+22.0 - 1310+68.73	LT & RT	205	2181	
SPRUCE STREET				
99+25.00 - 99+78.0	LT & RT	13	146	
99+02 - 99+54.4	LT	0	22	
100+22.0 - 100+75.00	LT & RT	15	110	
BALSAM STREET				
109+35.00 - 109+78.0	LT & RT	13	86	
110+22.0 - 110+70.00	LT & RT	9	99	
POPLAR STREET				
119+25.18 - 119+78.0	LT & RT	11	107	
120+22.0 - 120+73.83	LT & RT	8	363	
DRIVEWAYS				
1294+22.6	RT	0	10	
1295+08.5	LT	0	12	
1295+31.7	RT	0	14	
1295+31.9	LT	0	16	
1295+81.9	LT	0	12	
1296+18.4 - 1296+79.7	LT	0	16	PARKING LOT
1298+28.5	LT	0	31	INC PARKING LOT
1298+93.8	RT	0	11	
1299+17.8	LT	0	14	
1299+17.8	RT	0	14	
1300+16.0	RT	0	25	INC PARKING LOT
1300+23.2	LT	0	12	
1301+59.6 - 1302+81.6	RT	0	30	PARKING LOT
1303+04.1	LT	0	32	INC PARKING LOT
1303+04.1	RT	0	15	
1303+14.1 - 1304+52.30	RT	0	35	PARKING LOT
1303+71.9	LT	0	16	
1306+18.6	RT	0	17	
1307+46.5	RY	0	34	BETWEEN DRIVEWAYS
1307+46.5	RT	0	48	
1309+16.2	RT	0	141	
UNDISTRIBUTED	LT & RT		360	TEMPORARY BASE
STAGE 4 SUBTOTAL		557	6268	
STAGE 5				
USH 63				
1248+55.0 - 1250+80.0	RT	6	0	
1248+55.0 - 1258+38.2	LT	21	0	
STAGE 5 SUBTOTAL		27	0	
CATEGORY 0010 SUBTOTAL		1783	17934	
CATEGORY 0050				
STAGE 4				
NEW ROAD				
128+15.24 - 129+73.22	LT & RT	27	424	
STAGE 4 SUBTOTAL				
CATEGORY 0050 SUBTOTAL		27	424	
ITEM TOTALS		1810	18358	

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CONCRETE PAVEMENT

STATION	LOCATION	415.0060 6-INCH SY	415.0085 8 1/2-INCH SY	415.1085 HES 8 1/2-INCH SY	415.4100 CONCRETE PAVEMENT JOINT FILLING SY
STAGE 1					
USH 63					
1261+59.9 - 1263+50.00	LT & RT	0		929	929
STH 70					
8+89.95 - 9+78.00	LT & RT	0		601	601
10+22.00 - 10+90.90	LT & RT	0		556	556
STAGE 1 SUBTOTAL		0	0	2086	2086
STAGE 2					
USH 63					
1263+50.00 - 1279+00.00	LT & RT	0	7578		7578
1270+55.5 - 1271+07.2	LT	43			
1270+55.5 - 1271+22.8	RT	80			
1274+42.30 - 1275+27.1	LT	97			
VINE STREET					
19+50.99 - 19+78.00	LT & RT	0	125		125
20+22.00 - 20+49.10	LT & RT	0	126		126
ASH STREET					
29+50.80 - 29+78.00	LT & RT	0	144		144
30+22.00 - 30+49.05	LT & RT	0	143		143
OAK STREET					
39+50.98 - 39+78.00	LT & RT	0	137		137
40+22.00 - 10+49.20	LT & RT	0	144		144
WALNUT STREET					
49+55.95 - 49+78.00	LT & RT	0	74		74
50+22.00 - 50+40.00	LT & RT	0	63		63
STAGE 2 SUBTOTAL		220	8534	0	8534
STAGE 3					
USH 63					
1279+00.00 - 1294+00.00	LT & RT	0	7334		7334
ELM STREET					
59+50.92 - 59+78.00	LT & RT	0	144		144
60+22.00 - 60+49.06	LT & RT	0	144		144
PINE STREET					
69+50.67 - 69+78.00	LT & RT	0	145		145
70+22.00 - 70+49.44	LT & RT	0	145		145
CEDAR STREET					
79+50.72 - 79+78.00	LT & RT	0	144		144
80+22.00 - 80+49.21	LT & RT	0	144		144
HAZEL STREET					
89+50.89 - 89+78.00	LT & RT	0	144		144
90+22.00 - 90+49.17	LT & RT	0	144		144
STAGE 3 SUBTOTAL		0	8488	0	8488
STAGE 4					
USH 63					
1294+00.00 - 1305+40.23	LT & RT	0	5576		5576
SPRUCE STREET					
99+50.93 - 99+78.00	LT & RT	0	143		143
100+22.00 - 100+49.16	LT & RT	0	144		144
BALSAM STREET					
109+50.89 - 109+78.00	LT & RT	0	143		143
110+22.00 - 110+49.10	LT & RT	0	144		144
POPLAR STREET					
119+48.37 - 119+78.00	LT & RT	0	150		150
120+22.00 - 120+48.83	LT & RT	0	146		146
STAGE 4 SUBTOTAL		0	6446	0	6446
ITEM TOTALS		220	23468	2086	25554

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

CONCRETE DRIVEWAY

STATION	LOCATION	416.0160 6-INCH SY	416.0260 HES 6-INCH SY
STAGE 1			
USH 63			
1259+99.7	RT	37	0
1260+64.9	LT	0	15
1261+30.1	RT	0	37
STAGE 1 SUBTOTAL		37	52
STAGE 2			
USH 63			
1263+97.8	RT	0	41
1264+45.6	LT	25	0
1264+53.8	RT	33	0
1267+03.8	RT	0	27
1268+29.2	LT	0	22
1268+30.3	RT	0	25
1270+95.8	LT	21	0
1271+49.2	RT	0	22
1272+16.9	LT	25	0
1272+20.1	RT	0	18
1274+82.4	RT	0	22
1274+96.1	LT	29	0
1276+02.4	LT	25	0
1276+02.8	RT	25	0
VINE STREET			
19+38.1	LT	45	0
20+67.3	LT	54	0
ASH STREET			
29+35.5	LT	50	0
30+68.3	LT	45	0
OAK STREET			
39+38.7	LT	40	0
39+39.7	RT	21	0
STAGE 2 SUBTOTAL		438	177
STAGE 3			
USH 63			
1279+87.9	LT	24	0
1279+88.1	RT	25	0
1280+21.9	RT	0	20
1280+75.7	LT	24	0
1283+73.9	LT	25	0
1283+77.9	RT	23	0
1284+13.1	LT	0	33
1287+58.4	RT	25	0
1287+61.5	LT	21	0
1288+58.2	RT	27	0
1290+44.2	RT	0	17
1290+58.3	LT	0	23
1291+45.1	RT	25	0
1291+45.9	LT	25	0
1292+50.8	LT	0	17
1292+51.2	RT	17	0
ELM STREET			0
59+38.8	RT	35	0
PINE STREET			0
69+38.2	RT	0	34
STAGE 3 SUBTOTAL		296	144

CONCRETE DRIVEWAY (CONT'D)

STATION	LOCATION	416.0160 6-INCH SY	416.0260 HES 6-INCH SY
STAGE 4			
USH 63			
1294+22.6	RT	17	0
1295+08.5	LT	0	16
1295+31.7	RT	25	0
1295+31.9	LT	24	0
1295+81.9	LT	17	0
1298+28.5	LT	27	0
1298+93.8	RT	19	0
1299+17.8	LT	25	0
1299+17.8	RT	25	0
1300+16.0	RT	0	27
1300+23.2	LT	0	17
1303+04.1	LT	25	0
1303+04.1	RT	25	0
1303+71.9	LT	0	18
SPRUCE STREET			
99+26.8	LT	65	0
STAGE 4 SUBTOTAL		294	78
ITEM TOTAL		1065	451

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

ASPHALTIC CONCRETE PAVEMENT ITEMS

STATION	LOCATION	455.0605 TACK COAT GAL	460.7425 HMA PAVEMENT 5 HT 58-28 H TON	460.6444 HMA PAVEMENT 4 HT 58-34 H TON
STAGE 1				
USH 63				
1258+38.23 - 1261+59.90	LT & RT	198.1	463	278
STH 70				
8+53.00 - 8+89.95	LT & RT	19.7	46	28
10+90.90 - 11+10.00	LT & RT	11.2	27	16
STAGE 1 SUBTOTAL		229.0	536	322
STAGE 2				
VINE STREET				
19+25.00 - 19+50.99	LT & RT	5.2	13	15
20+49.10 - 20+85.00	LT & RT	8.1	19	23
ASH STREET				
29+25.00 - 29+50.80	LT & RT	6.2	15	18
30+49.05 - 30+85.00	LT & RT	8.6	21	25
OAK STREET				
39+25.00 - 39+50.98	LT & RT	6.2	15	18
40+49.20 - 40+80.00	LT & RT	8.9	21	25
WALNUT STREET				
49+50.67 - 49+55.95	LT & RT	0.8	2	3
50+40.00 - 50+70.00	LT & RT	5.1	12	15
STAGE 2 SUBTOTAL		49.2	118	142
STAGE 3				
ELM STREET				
59+25.00 - 59+50.92	LT & RT	6.2	15	18
60+49.06 - 60+75.00	LT & RT	7.3	18	21
PINE STREET				
69+25.00 - 69+50.67	LT & RT	8.6	20	24
70+49.44 - 70+75.00	LT & RT	6.1	15	18
CEDAR STREET				
79+15.00 - 79+50.72	LT & RT	9.6	23	27
80+49.21 - 80+76.00	LT & RT	6.1	15	17
HAZEL STREET				
89+15.00 - 89+50.89	LT & RT	8.6	21	25
90+49.17 - 90+75.00	LT & RT	6.2	15	18
STAGE 3 SUBTOTAL		58.7	142	168
STAGE 4				
SPRUCE STREET				
99+25.00 - 99+50.93	LT & RT	6.2	15	18
100+49.16 - 100+75.00	LT & RT	6.2	15	18
BALSAM STREET				
109+35.00 - 109+50.89	LT & RT	3.8	9	11
110+49.10 - 110+70.00	LT & RT	5.0	12	15
POPLAR STREET				
119+25.18 - 119+48.37	LT & RT	5.6	13	16
120+48.83 - 120+73.83	LT & RT	6.2	15	18
USH 63				
1305+40.23 - 1010+68.73	LT & RT	236.6	553	332
STAGE 4 SUBTOTAL		269.7	632	428
STAGE 5				
USH 63				
1248+55.00 - 1254+42.13	LT & RT	340.4	239	318
1252+28.3	LT	4.5	7	9
1255+57.15 - 1263+00.00	LT & RT	189.0	133	177
STAGE 5 SUBTOTAL		533.9	379	504
ITEM TOTALS		1140.4	1807.0	1564.0

ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES

STATION	LOCATION	465.0120 TON	COMMENTS
CATEGORY 0010			
STAGE 1			
USH 63			
1259+54.0 - 1260+40.1	RT	5	PARKING LOT
1261+09.8 - 1262+19.8	RT	13	REALTOR PARKING LOT
1261+62.7 - 1261+95.2	LT	2	KWIK TRIP PARKING LOT
STAGE 1 SUBTOTAL		20	
STAGE 2			
USH 63			
1263+97.8	RT	5	
1264+45.6	LT	7	INC. PARKING
1264+53.8	RT	3	
1264+71.5 - 1266+17.2	RT	14	PARKING LOT
1266+70.2 - 1266+93.8	LT	2	PARKING LOT
1266+70.3 - 1267+46.6	RT	6	PARKING LOT
1267+03.8	RT	3	
1267+91.5 - 1270+02.8	RT	20	PARKING LOT
1268+29.2	LT	5	INC. PARKING
1268+30.3	RT	2	
1271+22.8 - 1272+10.1	RT	23	PARKING LOT
1271+49.2	RT	4	
1272+16.9 - 1272+74.7	LT	5	INC. PARKING
1272+20.1	RT	3	
1272+63.1 - 1273+58.9	RT	6	PARKING LOT
1274+82.4	RT	3	
1275+12.0 - 1275+38.7	RT	2	
1276+02.4	LT	3	
1276+02.8	RT	2	
1278+19.2 - 1278+61.8	LT	5	
VINE STREET			
19+38.1	LT	2	
20+54.5	RT	6	
20+67.3	LT	4	
ASH STREET			
30+68.3	LT	3	
30+68.3	RT	7	
OAK STREET			
40+59.0 - 40+80.0	RT	2	
STAGE 2 SUBTOTAL		147	
STAGE 3			
USH 63			
1279+87.9	LT	2	
1279+88.1	RT	5	
1280+21.9	RT	11	INC. PARKING & DW
1280+75.7	LT	5	INC. PARKING & DW
1283+34.9 - 1285+20.7	LT	13	
1283+77.9	RT	3	
1283+34.9 - 1285+34.3	LT	25	INC. PARKING & DW'S
1284+36.6 - 1284+45.6	RT	2	PARKING LOT
1285+12.2 - 1285+20.7	RT	2	PARKING LOT
1287+58.4	RT	4	
1287+61.5	LT	2	
1287+72.5 - 1289+34.7	LT	17	PARKING LOT
1288+58.2	RT	3	
1288+72.9 - 1289+33.0	RT	9	PARKING LOT
1290+44.2	RT	2	
1290+58.3	LT	3	
1291+45.1	RT	2	
1291+45.9	LT	2	
1292+50.8	LT	3	
1292+51.2	RT	2	
STAGE 3 SUBTOTAL		117	

ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES (CONT'D)

STATION	LOCATION	465.0120 TON	COMMENTS
STAGE 4			
USH 63			
1294+22.6	RT	2	
1295+08.5	LT	2	
1295+31.7	RT	2	
1295+31.9	LT	3	
1295+81.9	LT	3	
1296+18.4 - 1297+04.2	LT	8	PARKING LOT
1297+56.7 - 1298+13.7	LT	7	PARKING LOT
1298+28.5	LT	3	
1298+93.8	RT	2	
1299+17.8	LT	2	
1299+17.8	RT	2	
1300+16.0	RT	3	
1300+23.2	LT	3	
1300+32.4 - 1300+87.4	RT	5	PARKING LOT
1301+59.6 - 1302+81.6	RT	12	PARKING LOT
1303+04.1	LT	9	INC. PARKING LOT
1303+04.1	RT	3	
1303+17.5 - 1304+76.8	RT	16	PARKING LOT
1303+71.9	LT	4	
1306+18.6	RT	9	
1307+46.5	RT	24	
1306+34.7 - 1307+22.0	RT	13	
1309+16.2	RT	53	
SPRUCE STREET			
99+26.8	LT	5	
99+43.0	RT	7	
BALSAM STREET			
110+54.7	RT	7	PARKING LOT
STAGE 4 SUBTOTAL		209	
CATEGORY 0010 SUBTOTAL		493	
CATEGORY 0050			
STAGE 4			
NEW ROAD			
128+15.24 - 129+83.0	LT & RT	189	
STAGE 4 SUBTOTAL		189	
CATEGORY 0050 SUBTOTAL		189	
ITEM TOTALS		682	

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

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CULVERT PIPE CLASS III-A NON-METAL

STATION	LOCATION	520.3424 24-INCH LF
CATEGORY 0050		
STAGE 4		
NEW ROAD		
129+59.4	LT & RT	74
STAGE 4 SUBTOTAL		74
CATEGORY 0050 SUBTOTAL		74
ITEM TOTAL		74

APRON ENDWALLS FOR CULVERT PIPE STEEL

STATION	LOCATION	521.1024 24-INCH EACH
CATEGORY 0050		
STAGE 4		
NEW ROAD		
129+59.4	LT & RT	2
STAGE 4 SUBTOTAL		2
CATEGORY 0050 SUBTOTAL		2
ITEM TOTAL		2

CONCRETE COLLARS FOR PIPE

STATION	LOCATION	520.8000 EACH
CATEGORY 0040		
STAGE 2		
USH 63		
1270+09.50	4.9' RT	1
OAK STREET		
40+67	12.8' LT	1
WALNUT STREET		
50+46	23.0' RT	1
STAGE 2 SUBTOTAL		3
STAGE 3		
ELM STREET		
60+79	25.0' RT	1
PINE STREET		
69+23.40	7.3' RT	1
69+31	13.0' RT	1
70+59	7.0' RT	1
STAGE 3 SUBTOTAL		4
STAGE 4		
SPRUCE STREET		
99+29.20	13.3' LT	1
STAGE 4 SUBTOTAL		1
CATEGORY 0040 SUBTOTAL		8
ITEM TOTAL		8

APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE

STATION	LOCATION	522.1012 12-INCH EACH	522.2638 HORIZONTAL ELLIPTICAL 38X60 INCH EACH
CATEGORY 0040			
STAGE 1			
USH 63			
1258+27	48.7' LT		1
STAGE 1 SUBTOTAL			1
STAGE 4			
USH 63			
1306+08	24.7' LT	1	
1309+51	54.7' RT		1
STAGE 4 SUBTOTAL		1	1
CATEGORY 0040 SUBTOTAL		1	2
ITEM TOTALS		1	2

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

CONCRETE CURB & GUTTER ITEMS

STATION	LOCATION	601.0110 TYPE D LF	601.0407 18-INCH TYPE D LF	601.0409 30-INCH TYPE A LF	601.0411 30-INCH TYPE D LF	601.0600 CONCRETE CURB PEDESTRIAN LF	SPV.0090.03 24-INCH TYPE D LF	COMMENTS
STAGE 1								
USH 63								
1258+38.23 - 1261+58.23	LT & RT				466			
1261+58.23 - 1263+50.00	LT & RT			49				
1261+50.22 - 1262+21.85	RT						115	REALTY PARKING LOT
1261+62.70 - 1261+97.18	LT						40	:WIK TRIP PARKING LO
1261+94.59 - 1262+01.84	LT					8		
LINN STREET								
4+41.0 - 4+78.00	LT & RT				103			
STH 70								
8+53.0 - 8+89.95	LT & RT				74			
8+89.95 - 9+78.00	LT & RT			237				
10+22.00 - 10+90.90	LT & RT			208				
10+90.90 - 11+10.00	LT & RT				38			
10+42.50	LT		7					MCDONALDS
10+60.50	LT		7					MCDONALDS
STAGE 1 SUBTOTAL		0	14	494	681	8	155	
STAGE 2								
USH 63								
1264+00	RT		10					MCDONALDS
1263+50.00 - 1279+00.00	LT & RT			2464				
1268+37.44	LT	6						
1273+64.29 - 1273+78.08	LT					28		
1277+58.00 - 1277+62.90	RT					17		
1278+27.00 - 1278+32.48	RT					14		
VINE STREET								
19+25.00 - 19+50.99	LT & RT				52			
19+50.99 - 19+78.00	LT & RT			79				
20+22.00 - 20+49.10	LT & RT			79				
20+49.10 - 20+85.00	LT & RT				104			INC. DRIVEWAY
ASH STREET								
29+25.00 - 29+50.80	LT & RT				52			
29+50.80 - 29+78.00	LT & RT			79				
30+22.00 - 30+49.05	LT & RT			79				
30+49.05 - 30+85.00	LT & RT				72			
OAK STREET								
39+25.00 - 39+50.98	LT & RT				52			
39+50.98- 39+78.00	LT & RT			76				
40+22.00 - 40+49.20	LT & RT			79				
40+49.20 - 40+80.00	LT & RT				64			
WALNUT STREET								
49+50.67 - 49+55.94	LT & RT				11			
49+55.94 - 49+78.00	LT & RT			58				
50+22.00 - 50+40.00	LT & RT			50				
50+40.00 - 50+70.00	LT & RT				60			
STAGE 2 SUBTOTAL		6	10	3043	467	59	0	

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

CONCRETE CURB & GUTTER ITEMS (CONT'D)

STATION	LOCATION	601.0110 TYPE D LF	601.0407 18-INCH TYPE D LF	601.0409 30-INCH TYPE A LF	601.0411 30-INCH TYPE D LF	601.0600 CONCRETE CURB PEDESTRIAN LF	SPV.0090.XX 24-INCH TYPE D LF	COMMENTS
STAGE 3								
USH 63								
1279+00.00 - 1294+00.00	LT & RT			2281				
1281+31.50 - 1281+48.9	LT					25		
1283+65.30	RT	5						
1283+92.10	RT				5			
1284+36.60 - 1284+45.6	RT						9	
1285+12.17 - 1285+20.64	RT						15	
1284+81.80 - 1285+34.10	LT					60		
ELM STREET								
59+25.00 - 59+50.92	LT & RT				52			
59+50.92 - 59+78.00	LT & RT			79				
60+22.00 - 60+49.06	LT & RT			79				
60+49.06 - 60+75.00	LT & RT				54			
PINE STREET								
69+25.00 - 69+50.67	LT & RT				52			
69+50.67 - 69+78.00	LT & RT			80				
70+22.00 - 70+49.44	LT & RT			80				
70+49.44 - 70+75.00	LT & RT				52	21		
CEDAR STREET								
79+15.00 - 79+50.72	LT & RT				64			
79+50.72 - 79+78.00	LT & RT			79				
80+22.00 - 80+49.21	LT & RT			79				
80+49.21 - 80+76.00	LT & RT				54			
HAZEL STREET								
89+15.00 - 89+50.89	LT & RT				72			
89+50.89 - 89+78.00	LT & RT			79				
90+22.00 - 90+49.17	LT & RT			79				
90+49.17 - 90+75.00	LT & RT				52			
STAGE 3 SUBTOTAL		5	0	2915	457	106	24	
STAGE 4								
USH 63								
1292+94.11 - 1305+40.23	LT & RT			1748				
1305+47.23 - 1306+11.85	LT & RT				130			MEDIAN
SPRUCE STREET								
99+25.00 - 99+50.93	LT & RT				52			
99+50.93 - 99+78.00	LT & RT			79				
100+22.00 - 100+49.16	LT & RT			79				
100+49.16 - 100+75.00	LT & RT				52			
BALSAM STREET								
109+35.00 - 109+50.89	LT & RT				32			
109+50.89 - 109+78.00	LT & RT			79				
110+22.00 - 110+70.00	LT & RT			79				
110+49.10 - 110+70.00	LT & RT				42			
POPLAR STREET								
119+25.18 - 119+48.37	LT & RT				48			
119+48.37 - 119+78.00	LT & RT			79				
120+22.00 - 120+48.83	LT & RT			79				
120+48.83 - 120+73.83	LT & RT				29			
STAGE 4 SUBTOTAL		0	0	2222	385	0	0	
ITEM TOTALS		11	24	8674	1990	173	179	

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

CONCRETE SIDEWALK ITEMS

STATION	LOCATION	602.0405 4-INCH SF	405.0200 COLORING CONCRETE CUSTOM CY
CATEGORY 0020			
STAGE 1			
USH 63			
1258+38.23 - 1263+50.00	LT & RT	2881	14
STH 70			
8+53.00 - 9+78.00	LT & RT	4535	12
10+22.00 - 11+10.00	LT & RT	1320	4
STAGE 1 SUBTOTAL		8736	30
STAGE 2			
USH 63			
1263+50.00 - 1279+00.00	LT & RT	16254	68
1278+19.16 - 1278+61.80	LT	228	0
VINE STREET			
19+25.00 - 19+78.00	LT & RT	696	0
20+22.00 - 20+85.00	LT & RT	496	0
ASH STREET			
29+25.00 - 29+78.00	LT & RT	696	0
30+22.00 - 30+85.00	LT & RT	533	0
OAK STREET			
39+25.00 - 39+78.00	LT & RT	692	0
40+22.00 - 40+80.00	LT & RT	859	0
WALNUT STREET			
49+50.67 - 49+78.00	LT & RT	642	0
50+22.00 - 50+70.00	LT & RT	1014	0
STAGE 2 SUBTOTAL		22110	68
STAGE 3			
USH 63			
1279+00.00 - 1294+00.00	LT & RT	15430	69
ELM STREET			
59+25.00 - 59+78.00	LT & RT	854	0
60+22.00 - 60+75.00	LT & RT	796	0
PINE STREET			
69+25.00 - 69+78.00	LT & RT	490	0
70+22.00 - 70+75.00	LT & RT	736	0
CEDAR STREET			
79+15.00 - 79+78.00	LT & RT	585	0
80+22.00 - 80+76.00	LT & RT	525	0
HAZEL STREET			
89+15.00 - 89+78.00	LT & RT	577	0
90+22.00 - 90+75.00	LT & RT	736	0
STAGE 3 SUBTOTAL		20729	69
STAGE 4			
USH 63			
1292+94.00 - 1305+41.96	LT & RT	4305	53
1305+47.15 - 1306+11.85	CL	425	6
SPRUCE STREET			
99+03.00 - 99+78.00	LT & RT	558	0
100+22.00 - 100+75.00	LT & RT	565	0
BALSAM STREET			
109+35.00 - 109+78.00	LT & RT	475	0
110+00.00 - 110+70.00	LT & RT	326	0
POPLAR STREET			
119+25.18 - 119+78.00	LT & RT	760	0
120+00.00 - 120+73.83	LT & RT	130	0
STAGE 4 SUBTOTAL		7544	59
CATEGORY 0020 SUBTOTAL		59119	226
ITEM TOTALS		59119	226

CURB RAMP DETECTABLE WARNING FIELD

STATION	LOCATION	602.0505 YELLOW SF
STAGE 1		
USH 63		
1261+97.7	LT	10
1261+97.7	RT	10
1263+05.9	LT	10
1263+15.9	RT	10
STH 70		
9+36.0	LT	10
9+36.0	RT	10
10+70.3	LT	10
10+70.3	RT	10
STAGE 1 SUBTOTAL		80
STAGE 2		
USH 63		
1266+03.5	LT	10
1266+03.5	RT	10
1266+72.4	LT	10
1266+72.4	RT	10
1269+85.3	LT	10
1269+85.8	RT	10
1270+60.1	LT	10
1270+60.7	RT	10
1273+72.8	LT	10
1273+72.8	RT	10
1274+47.3	LT	10
1274+47.7	RT	10
1277+67.6	LT	10
1277+67.9	RT	10
1278+22.3	LT	10
1278+23.3	RT	10
VINE STREET		
19+67.0	LT	10
19+67.0	RT	10
20+32.9	RT	10
20+33.1	LT	10
ASH STREET		
29+66.9	LT	10
29+67.1	RT	10
30+32.9	RT	10
30+33.0	LT	10
OAK STREET		
39+62.7	RT	10
39+66.9	LT	10
40+32.9	LT	10
40+33.1	RT	10
WALNUT STREET		
49+62.3	LT	10
49+62.3	RT	10
50+46.0	LT	10
50+46.0	RT	10
STAGE 2 SUBTOTAL		320

CURB RAMP DETECTABLE WARNING FIELD (CONT'D)

STATION	LOCATION	602.0505 YELLOW SF
STAGE 3		
USH 63		
1281+43.2	RT	10
1281+43.5	LT	10
1282+18.4	LT	10
1282+18.1	RT	10
1285+28.2	LT	10
1285+28.3	RT	10
1286+03.1	LT	10
1286+28.2	RT	10
1289+15.3	LT	10
1289+13.7	RT	10
1289+90.2	LT	10
1289+88.6	RT	10
1293+01.7	LT	10
1293+01.5	RT	10
1293+76.6	LT	10
1293+76.4	RT	10
ELM STREET		
59+67.0	RT	10
59+67.1	LT	10
60+33.0	LT	10
60+33.0	RT	10
PINE STREET		
69+66.8	LT	10
69+67.2	RT	10
70+32.7	RT	10
70+33.3	LT	10
CEDAR STREET		
79+66.8	LT	10
79+67.2	RT	10
80+32.9	LT	10
80+33.1	RT	10
HAZEL STREET		
89+66.9	RT	10
89+67.1	LT	10
90+32.9	RT	10
90+33.1	LT	10
STAGE 3 SUBTOTAL		320
STAGE 4		
USH 63		
1296+87.3	LT	10
1296+87.7	RT	10
1297+62.2	LT	10
1297+62.2	RT	10
1300+73.5	LT	10
1300+73.6	RT	10
1301+48.4	LT	10
1301+48.5	RT	10
1304+59.7	LT	10
1304+59.8	RT	10
1305+26.6	LT	10
1305+25.8	RT	10
SPRUCE STREET		
99+67.0	LT	10
99+67.0	RT	10
100+32.9	RT	10
100+33.1	LT	10
BALSAM STREET		
109+66.9	RT	10
109+67.1	LT	10
110+32.9	RT	10
110+33.1	LT	10
POPLAR STREET		
119+56.1	LT	10
119+65.6	RT	10
120+32.9	RT	10
120+38.8	LT	10
STAGE 4 SUBTOTAL		240
ITEM TOTAL		960

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

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CONCRETE STEPS

STATION	LOCATION	602.1500 SF
STAGE 3		
USH 63		
1292+27.5	LT	30
STAGE 3 SUBTOTAL		30
STAGE 4		
USH 63		
1294+87.5	LT	30
1303+34.8	LT	20
STAGE 4 SUBTOTAL		50
ITEM TOTAL		80

RIPRAP ITEMS

STATION	LOCATION	606.0100 LIGHT CY	606.0300 HEAVY CY	645.0120 GEOTEXTILE TYPE HR SY	645.0130 GEOTEXTILE TYPE R SY
CATEGORY 0010					
STAGE 1					
USH 63					
1257+40.83 - 1258+27.52	LT		176	310	
UNDISTRIBUTED	LT		44	78	
STAGE 1 SUBTOTAL			220	388	
STAGE 4					
USH 63					
1309+55.08 - 1310+35.34	RT		206	354	
UNDISTRIBUTED	LT		52	89	
STAGE 4 SUBTOTAL			258	443	
CATEGORY 0010 SUBTOTAL			478	831	
CATEGORY 0050					
STAGE 4					
NEW ROAD					
128+15.24 - 129+66.15	LT	75			266
UNDISTRIBUTED	LT	19			67
STAGE 4 SUBTOTAL		94			333
CATEGORY 0050 SUBTOTAL		94			333
ITEM TOTALS		94	478	831	333

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

STORM SEWER PIPES

LOCATION	FROM	- TO	608.0330 Storm Sewer Pipe Reinforced Concrete Class III 30-Inch LF	608.0342 Storm Sewer Pipe Reinforced Concrete Class III 42-Inch LF	608.0348 Storm Sewer Pipe Reinforced Concrete Class III 48-Inch LF	608.0412 Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch LF	608.0415 Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch LF	608.0418 Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch LF	608.0421 Storm Sewer Pipe Reinforced Concrete Class IV 21-Inch LF	608.0424 Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch LF	608.0430 Storm Sewer Pipe Reinforced Concrete Class IV 30-Inch LF	608.0436 Storm Sewer Pipe Reinforced Concrete Class IV 36-Inch LF	608.0448 Storm Sewer Pipe Reinforced Concrete Class IV 48-Inch LF	608.0512 Storm Sewer Pipe Reinforced Concrete Class V 12-Inch LF	608.2334 Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 34x53-Inch LF	608.2338 Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 38x60-Inch LF	608.2424 Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 24x38-Inch LF	608.2429 Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 29x45-Inch LF	608.3012 Storm Sewer Pipe Class III-A 12-Inch LF	608.3015 Storm Sewer Pipe Class III-A 15-Inch LF	608.3018 Storm Sewer Pipe Class III-A 18-Inch LF	SPV.0090.01 Storm Sewer Pipe Pvc 6-Inch LF	SPV.0090.02 Storm Sewer Pipe Pvc 12-Inch LF	JOINT EACH	INLET ELEVATION	DISCHARGE ELEVATION	SLOPE FT/FT
STAGE 1																											
USH 63	1	- 1C														81								3	1073.55	1073.20	0.0043
USH 63	2	- 1											307												1075.37	1073.55	0.0059
USH 63	3	- 2			108																				1075.52	1075.37	0.0014
USH 63	4	- 3											33												1075.82	1075.52	0.0091
USH 63	1A	- 1																				38			1074.69	1074.50	0.0050
USH 63	1B	- 1A												39											1074.88	1074.69	0.0049
USH 63	2A	- 2				27																			1086.06	1085.50	0.0207
USH 63	2B	- 2A				16																			1087.29	1086.06	0.0769
USH 63	2C	- 2B				23																			1088.38	1087.29	0.0474
USH 63	2D	- 2				49																			1085.23	1084.88	0.0071
USH 63	3A	- 3																			11				1087.50	1087.00	0.0455
USH 63	3B	- 3A				22																			1088.00	1087.50	0.0227
USH 63	3C	- 3B				25																			1088.44	1088.00	0.0176
USH 63	3D	- 3C				21																			1088.54	1088.44	0.0048
USH 63	3E	- 3																			45				1087.50	1086.60	0.0200
USH 63	3F	- 3E				28																			1087.88	1087.50	0.0136
USH 63	3G	- 3F				21																			1087.98	1087.88	0.0048
STAGE 1 TOTALS					108	232							340	39		81					56		38				
STAGE 2																											
USH 63	4	- 3											75												1075.82	1075.52	0.0040
USH 63	5	- 4											162												1076.12	1075.82	0.0019
USH 63	6	- 5			72																				1076.25	1076.12	0.0018
USH 63	7	- 6			193																				1076.60	1076.25	0.0018
USH 63	8	- 7			125																				1076.81	1076.60	0.0017
USH 63	9	- 8			35																				1076.86	1076.81	0.0014
USH 63	10	- 9			92																				1076.98	1076.86	0.0013
USH 63	11	- 10														356									1078.13	1077.55	0.0016
USH 63	12	- 11		128																					1080.80	1078.13	0.0209
USH 63	13	- 12		188																					1081.20	1080.80	0.0021
USH 63	14	- 13													127										1082.20	1081.87	0.0026
USH 63	4A	- 4																			10				1090.02	1089.79	0.0230
USH 63	4B	- 4																			37				1090.05	1089.82	0.0062
USH 63	5A	- 5																			37				1090.19	1089.94	0.0068
USH 63	5B	- 5																			10				1090.19	1089.94	0.0250
USH 63	6A	- 6																				52			1088.93	1088.00	0.0179
USH 63	6B	- 6C																			38				1089.72	1089.50	0.0058
USH 63	6C	- 6A																			8				1089.50	1089.18	0.0400
USH 63	7A	- 7																			37				1087.48	1087.27	0.0057
USH 63	7B	- 7																			10				1087.48	1087.27	0.0210
USH 63	7C	- 7B																			40				1087.87	1087.48	0.0097
USH 63	8A	- 8																			37				1086.63	1086.42	0.0057
USH 63	8B	- 8																			10				1086.63	1086.42	0.0210
USH 63	8C	- 8B																			10				1086.70	1086.63	0.0070
USH 63	9A	- 9																				38			1086.00	1085.45	0.0145
USH 63	9B	- 9A																			10				1086.62	1086.39	0.0230
USH 63	9C	- 9A																			39				1086.47	1086.25	0.0056
USH 63	9D	- 9C																			5				1086.63	1086.47	0.0320
USH 63	10A	- 10																				37			1085.49	1084.60	0.0241
USH 63	10B	- 10A																			10				1085.84	1085.74	0.0100
USH 63	10C	- 10B																			10				1085.94	1085.84	0.0100
USH 63	10D	- 10																				10			1085.30	1084.60	0.0700
USH 63	10E	- 10D																			10				1085.90	1085.80	0.0100
USH 63	10F	- 10D																				10			1085.60	1085.30	0.0300
USH 63	10G	- 10F																				79			1086.06	1085.60	0.0058
USH 63	10H	- 10G																			10				1086.41	1086.31	0.0100
USH 63	11A	- 11																			37				1087.02	1086.65	0.0100
USH 63	11B	- 11																					10		1086.25	1086.00	0.0250
USH 63	11C	- 11B																					38		1086.63	1086.25	0.0100
USH 63	11D	- 11C																					12		1086.75	1086.63	0.0100
USH 63	11E	- 11D																			40				1087.67	1087.25	0.0105
USH 63	11F	- 11B																			9				1087.57	1087.47	0.0111
USH 63	11G	- 11A																			39				1087.22	1087.02	0.0051
USH 63	11H	- 11G																			39				1087.42	1087.22	0.0051
USH 63	12A	- 12																			37				1088.09	1087.86	0.0062
USH 63	12B	- 12																			10				1087.81	1087.55	0.0260
USH 63	12C	- 12B																			10				1087.91	1087.81	0.0100
USH 63	12D	- 12C																			10				1087.99	1087.91	0.0080
USH 63	13A	- 13					25																		1090.71	1088.21	0.1000
USH 63	EX9AA	- 9						8																	1087.25	1087.24	0.0012

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0040, UNLESS OTHERWISE NOTED.

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	MISCELLANEOUS QUANTITIES	SHEET 244	E

STORM SEWER PIPES (CONT'D)

LOCATION	FROM	- TO	608.0330 Storm Sewer Pipe Reinforced Concrete Class III 30-Inch LF	608.0342 Storm Sewer Pipe Reinforced Concrete Class III 42-Inch LF	608.0348 Storm Sewer Pipe Reinforced Concrete Class III 48-Inch LF	608.0412 Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch LF	608.0415 Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch LF	608.0418 Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch LF	608.0421 Storm Sewer Pipe Reinforced Concrete Class IV 21-Inch LF	608.0424 Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch LF	608.0430 Storm Sewer Pipe Reinforced Concrete Class IV 30-Inch LF	608.0436 Storm Sewer Pipe Reinforced Concrete Class IV 36-Inch LF	608.0448 Storm Sewer Pipe Reinforced Concrete Class IV 48-Inch LF	608.0512 Storm Sewer Pipe Reinforced Concrete Class V 12-Inch LF	608.2334 Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 34x53-Inch LF	608.2338 Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 38x60-Inch LF	608.2424 Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 24x38-Inch LF	608.2429 Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 29x45-Inch LF	608.3012 Storm Sewer Pipe Class III-A 12-Inch LF	608.3015 Storm Sewer Pipe Class III-A 15-Inch LF	608.3018 Storm Sewer Pipe Class III-A 18-Inch LF	SPV.0090.01 Storm Sewer Pipe Pvc 6-Inch LF	SPV.0090.02 Storm Sewer Pipe Pvc 12-Inch LF	JOINT EACH	INLET ELEVATION	DISCHARGE ELEVATION	SLOPE FT/FT
USH 63	EX11CC	- 11D							8																	1090.01	1088.67	0.1675
USH 63	EX13B	- 13A					8																			1091.60	1091.59	0.0012
STAGE 2 TOTALS				316	517		33	8	8				237		127	356			609	226	60							
STAGE 3																												
USH 63	14	- 13													103											1082.20	1081.87	0.0032
USH 63	15	- 14										147														1082.40	1082.20	0.0014
USH 63	16	- 15									152															1082.60	1082.40	0.0013
USH 63	17	- 16															139									1082.75	1082.60	0.0011
USH 63	18	- 17															57									1082.84	1082.75	0.0016
USH 63	19	- 18								55																1083.00	1082.84	0.0029
USH 63	20	- 21				10																				1084.00	1083.76	0.0240
USH 63	22	- 20																96								1083.10	1083.00	0.0010
USH 63	23	- 22																130								1083.40	1083.10	0.0023
USH 63	24	- 23																190								1083.70	1083.40	0.0016
USH 63	25	- 24								67																1084.31	1084.12	0.0028
USH 63	26	- 25								122																1084.70	1084.31	0.0032
USH 63	27	- 28								41																1085.40	1085.32	0.0020
USH 63	14A	- 14																	37							1086.04	1085.87	0.0046
USH 63	14B	- 14																	11							1086.04	1085.87	0.0155
USH 63	15A	- 15				40																				1085.60	1085.39	0.0052
USH 63	15B	- 15				19																				1085.60	1085.10	0.0263
USH 63	15C	- 15B				10																				1085.65	1085.60	0.0050
USH 63	15D	- 15						58																		1084.00	1083.45	0.0095
USH 63	EX15E	- 15D				8																				1085.28	1084.80	0.0600
USH 63	15F	- 15D				50																				1085.10	1084.60	0.0100
USH 63	16A	- 16				37																				1084.34	1084.18	0.0043
USH 63	16B	- 16				10																				1084.34	1084.24	0.0100
USH 63	16C	- 16B				17																				1084.52	1084.34	0.0106
USH 63	17A	- 17				37																				1084.00	1083.83	0.0046
USH 63	17B	- 17					10																			1083.60	1083.33	0.0270
USH 63	17C	- 17B					22																			1083.75	1083.60	0.0068
USH 63	17D	- 17C				8																				1084.06	1084.00	0.0075
USH 63	17E	- 17D				8																				1084.12	1084.06	0.0075
USH 63	17F	- 17B				15																				1084.97	1084.00	0.0647
USH 63	18A	- 18				23																				1083.93	1083.77	0.0070
USH 63	18B	- 18					23																			1083.68	1083.52	0.0070
USH 63	18C	- 18B				25																				1084.69	1083.93	0.0304
USH 63	19A	- 19				51																				1083.95	1083.70	0.0049
USH 63	19B	- 19								51																1083.25	1083.00	0.0049
USH 63	19C	- 19B				12																				1084.09	1083.90	0.0158
USH 63	19D	- 19B				27																				1084.20	1083.90	0.0111
USH 63	21A	- 21				28																				1083.98	1083.84	0.0050
USH 63	21B	- 21A				13																				1084.03	1083.98	0.0038
USH 63	EX21C	- 21B																								1084.84	1084.84	0.0000
USH 63	22A	- 22						37																		1083.67	1083.50	0.0046
USH 63	22B	- 22								11																1083.17	1083.10	0.0064
USH 63	22C	- 22B					10																			1083.96	1083.92	0.0040
USH 63	23A	- 23					36																			1084.35	1084.10	0.0069
USH 63	23B	- 23A				10																				1084.67	1084.60	0.0070
USH 63	23C	- 23						11																		1083.85	1083.75	0.0091
USH 63	23D	- 23C					7																			1084.30	1084.10	0.0286
USH 63	23E	- 23D				10																				1084.63	1084.55	0.0080
USH 63	24A	- 24								64																1084.20	1084.10	0.0016
USH 63	24B	- 24A						39																		1084.90	1084.70	0.0051
USH 63	24C	- 24B				25																				1086.39	1085.40	0.0396
USH 63	24D	- 24C				8																				1086.43	1086.39	0.0050
USH 63	24E	- 24					38																			1085.10	1084.41	0.0182
USH 63	24F	- 24E					38																			1085.41	1085.10	0.0082
USH 63	25A	- 25				36																				1085.22	1084.90	0.0089
USH 63	25B	- 25A				10																				1085.30	1085.22	0.0080
USH 63	25C	- 25				10																				1085.22	1084.90	0.0320
USH 63	25D	- 25C				10																				1085.30	1085.22	0.0080
USH 63	26A	- 26				37																				1085.14	1084.90	0.0065
USH 63	26B	- 26A				8																				1085.24	1085.14	0.0125
USH 63	26C	- 26				11																				1085.14	1084.90	0.0218
USH 63	26D	- 26C				7																				1085.24	1085.14	0.0143
USH 63	27A	- 27					64																			1086.49	1086.12	0.0058
USH 63	27B	- 27A				39																				1086.94	1086.74	0.0051
USH 63	27C	- 27B				8																				1086.98	1086.94	0.0050

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0040, UNLESS OTHERWISE NOTED.

STORM SEWER PIPES (CONT'D)

LOCATION	FROM	- TO	608.0330 Storm Sewer Pipe Reinforced Concrete Class III 30-Inch LF	608.0342 Storm Sewer Pipe Reinforced Concrete Class III 42-Inch LF	608.0348 Storm Sewer Pipe Reinforced Concrete Class III 48-Inch LF	608.0412 Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch LF	608.0415 Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch LF	608.0418 Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch LF	608.0421 Storm Sewer Pipe Reinforced Concrete Class IV 21-Inch LF	608.0424 Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch LF	608.0430 Storm Sewer Pipe Reinforced Concrete Class IV 30-Inch LF	608.0436 Storm Sewer Pipe Reinforced Concrete Class IV 36-Inch LF	608.0448 Storm Sewer Pipe Reinforced Concrete Class IV 48-Inch LF	608.0512 Storm Sewer Pipe Reinforced Concrete Class V 12-Inch LF	608.2334 Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 34x53-Inch LF	608.2338 Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 38x60-Inch LF	608.2424 Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 24x38-Inch LF	608.2429 Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 29x45-Inch LF	608.3012 Storm Sewer Pipe Class III-A 12-Inch LF	608.3015 Storm Sewer Pipe Class III-A 15-Inch LF	608.3018 Storm Sewer Pipe Class III-A 18-Inch LF	SPV.0090.01 Storm Sewer Pipe Pvc 6-Inch LF	SPV.0090.02 Storm Sewer Pipe Pvc 12-Inch LF	JOINT EACH	INLET ELEVATION	DISCHARGE ELEVATION	SLOPE FT/FT
USH 63	27D	- 27				38																				1086.11	1085.68	0.0113
USH 63	27E	- 27D				39																				1086.31	1086.11	0.0051
USH 63	EX19E	- 19B					8																			1084.01	1084.01	0.0000
USH 63	20	-EX20A								8																1083.61	1083.00	0.0762
USH 63	21	-X21AA								8																1083.73	1083.00	0.0913
USH 63	EX24FF	- 24F																							8	1085.66	1085.65	0.0012
STAGE 3 TOTALS						754	256	145		427	152	147	0		103		196	416	48			20	8				
STAGE 4																												
USH 63	27	- 28								25																1085.40	1085.32	0.0032
USH 63	28	- 29									93															1084.82	1084.72	0.0011
USH 63	29	- 30										218														1084.22	1084.00	0.0010
USH 63	30	- 31													36											1084.00	1083.51	0.0136
USH 63	31	- 32													129											1083.51	1081.73	0.0138
USH 63	32	- 33														189										1081.73	1079.03	0.0143
USH 63	33	- 34														68										1079.03	1078.96	0.0010
USH 63	34	- 35			292																					1078.96	1078.67	0.0010
USH 63	35	- 36			69																					1078.67	1078.60	0.0010
USH 63	36	- 37			205																					1078.60	1078.49	0.0005
USH 63	37	- 38														105										1078.49	1078.44	0.0005
USH 63	38	- 39														127									3	1078.44	1078.32	0.0009
USH 63	40	- 41																								1082.45	1081.33	#REF!
USH 63	28A	- 28				37																				1086.54	1086.25	0.0078
USH 63	28B	- 28				10																				1086.54	1086.25	0.0290
USH 63	28C	- 28B				11																				1086.64	1086.54	0.0091
USH 63	29A	- 29				37																				1086.36	1086.16	0.0054
USH 63	29B	- 29A				10																				1086.46	1086.36	0.0100
USH 63	29C	- 29				11																				1086.36	1086.16	0.0182
USH 63	29D	- 29C				9																				1086.46	1086.36	0.0111
USH 63	30A	- 30	76																							1084.95	1084.12	0.0109
USH 63	30B	- 30A																			35					1086.70	1086.40	0.0086
USH 63	30C	- 30A																			6					1086.47	1086.40	0.0117
USH 63	30D	- 30																					38			1086.13	1085.89	0.0063
USH 63	30E	- 30D																			33					1086.87	1086.63	0.0073
USH 63	30F	- 30D																			6					1086.69	1086.63	0.0100
USH 63	31A	- 31																			36					1086.90	1086.60	0.0083
USH 63	31B	- 31																			10					1086.90	1086.60	0.0300
USH 63	32A	- 32																			36					1087.20	1086.90	0.0083
USH 63	32B	- 32A																			9					1087.29	1087.20	0.0100
USH 63	32C	- 32																			10					1087.20	1086.90	0.0300
USH 63	32D	- 32C																			10					1087.29	1087.20	0.0090
USH 63	33A	- 33																			64					1087.70	1086.30	0.0219
USH 63	33B	- 33A																			39					1087.94	1087.70	0.0062
USH 63	33C	- 33																				38				1087.40	1086.90	0.0132
USH 63	33E	- 33C																				39				1087.68	1087.40	0.0072
USH 63	33F	- 33E																			8					1088.04	1087.92	0.0150
USH 63	34A	- 34																			37					1088.14	1087.84	0.0081
USH 63	34B	- 34																			10					1088.06	1087.84	0.0220
USH 63	34C	- 34B																			10					1088.16	1088.06	0.0100
USH 63	34D	- 34C																			10					1088.21	1088.16	0.0050
USH 63	35A	- 35																			37					1087.70	1087.25	0.0122
USH 63	35B	- 35A																			10					1087.77	1087.70	0.0070
USH 63	35C	- 35																			10					1087.70	1087.25	0.0450
USH 63	35D	- 35C																			10					1087.77	1087.70	0.0070
USH 63	36A	- 36																					61			1086.72	1086.15	0.0093
USH 63	36B	- 36A																				39				1087.21	1086.97	0.0062
USH 63	36C	- 36																					41			1086.55	1086.30	0.0061
USH 63	36D	- 36C																				40				1087.10	1086.80	0.0075
USH 63	36E	- 36D				15																				1088.00	1087.20	0.0533
USH 63	36F	- 36																			20					1086.98	1086.60	0.0190
USH 63	37A	- 37B												5												1088.81	1088.78	0.0060
USH 63	37B	- 37C												22											3	1088.78	1088.67	0.0050
USH 63	38A	- 38				12																				1081.00	1080.90	0.0083
USH 63	EX30AA	- 30A									8															1086.15	1086.14	0.0012
USH 63	EX30G	- 30D																				8				1087.41	1087.40	0.0012
USH 63	EX36BB	- 36B																			8					1089.15	1089.13	0.0025
USH 63	EX36G	- 36E																			8					1088.37	1088.36	0.0012
USH 63	33D	- 33C																			8					1088.19	1088.00	0.0238
STAGE 4 TOTALS			76		566	152				25	101	218		27	165	489			480	164	140						
TOTALS			76	316	1083	1138	289	153	8	452	253	365	685	66	395	926	196	416	1193	390	238	20	8				

* NON-BID ITEM: FOR INFORMATION ONLY

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0040, UNLESS OTHERWISE NOTED.

STRUCTURES

LOCATION	STATION	OFFSET*	STRUCTURE	611.0530 Manhole Covers Type J EACH	611.0545 Manhole Covers Type L EACH	611.0612 Inlet Covers Type C EACH	611.0624 Inlet Covers Type H EACH	611.0639 Inlet Covers Type H-S EACH	611.0642 Inlet Covers Type MS EACH	SPV.0060.01 Inlet Covers Type H-D EACH	611.1004 Catch Basins 4-FT Diameter EACH	611.1005 Catch Basins 5-FT Diameter EACH	611.1230 Catch Basins 2x3-FT EACH	611.2004 Manholes 4-FT Diameter EACH	611.2005 Manholes 5-FT Diameter EACH	611.2006 Manholes 6-FT Diameter EACH	611.2007 Manholes 7-FT Diameter EACH	611.2008 Manholes 8-FT Diameter EACH	611.3003 Inlets 3-FT Diameter EACH	611.3004 Inlets 4-FT Diameter EACH	611.3230 Inlets 2x3-FT EACH	611.3901 Inlets Median 1 Grate EACH	650.4000 CAT 0010 Construction Staking Storm Sewer EACH	RIM ELEVATION	INVERT** ELEVATION	DEPTH*** FT
STAGE 1																										
USH 63	1259+01.37	13.8' LT	1	1														1						1	1079.81	1073.55	5.43
USH 63	1262+08.08	14.2' LT	2	1														1						1	1090.38	1075.37	14.18
USH 63	1263+16.79	12.9' LT	3	1														1						1	1093.27	1075.52	16.93
USH 63	1259+05.50	51.6' LT	1A					1			1													1	1079.27	1072.69	5.58
USH 63	1258+67.02	53.5' LT	1B					1														1		1	1077.19	1074.88	1.48
USH 63	1258+27.52	47.5' LT	1C																					1	AEW	1076.82	
USH 63	1262+11.11	41.3' LT	2A				1						1											1	1090.05	1084.06	4.99
USH 63	1262+22.13	53.6' LT	2B				1															1		1	1090.79	1087.29	2.66
USH 63	1262+27.16	76.4' LT	2C				1															1		1	1091.38	1088.38	2.16
USH 63	1262+08.13	34.3' RT	2D				1						1											1	1089.81	1083.23	5.58
USH 63	1263+17.76	24' LT	3A				1						1											1	1092.97	1085.50	6.47
USH 63	1262+98.28	33.1' LT	3B				1															1		1	1092.19	1088.00	3.36
USH 63	1262+85.98	54.3' LT	3C					1														1		1	1091.42	1088.44	2.14
USH 63	1262+81.22	75' LT	3D				1															1		1	1091.54	1088.54	2.16
USH 63	1263+16.30	32.2' RT	3E				1						1											1	1092.75	1085.50	6.25
USH 63	1262+90.16	42.2' RT	3F				1															1		1	1091.82	1087.88	3.11
USH 63	1262+77.62	59.1' RT	3G				1															1		1	1090.98	1087.98	2.17
STAGE 1 TOTALS				3			10	3			1		4					3	0			8		17			
STAGE 2																											
USH 63	1264+25.00	13' LT	4	1														1						1	1094.91	1075.82	18.26
USH 63	1265+85.00	13' RT	5	1														1						1	1095.07	1076.12	18.13
USH 63	1266+56.74	13' RT	6	1														1						1	1094.35	1076.25	17.28
USH 63	1268+50.00	13' RT	7	1														1						1	1092.33	1076.60	14.90
USH 63	1269+75.00	13' RT	8	1														1						1	1091.48	1076.81	13.85
USH 63	1270+09.55	13' RT	9	1														1						1	1091.26	1076.86	13.57
USH 63	1271+01.21	13' RT	10	1														1						1	1090.74	1076.98	12.94
USH 63	1274+57.00	13' RT	11	1														1						1	1092.39	1078.13	13.48
USH 63	1275+85.00	13' RT	12	1												1								1	1092.94	1080.80	11.27
USH 63	1277+73.27	13' RT	13	1													1							1	1093.76	1081.20	11.70
USH 63	1264+25.00	23.5' LT	4A				1						1											1	1094.63	1088.02	5.61
USH 63	1264+27.67	23.5' RT	4B				1						1											1	1094.65	1088.05	5.60
USH 63	1265+85.00	23.5' LT	5A				1						1											1	1094.80	1088.19	5.61
USH 63	1265+85.00	23.5' RT	5B				1						1											1	1094.80	1088.19	5.61
USH 63	1266+56.86	65' RT	6A					1			1													1	1094.05	1086.93	6.12
USH 63	1266+18.99	73' RT	6B					1														1		1	1094.36	1089.72	3.81
USH 63	1266+56.88	73' RT	6C				1															1		1	1094.08	1089.50	3.75
USH 63	1268+50.00	23.5' LT	7A				1						1											1	1092.05	1085.48	5.57
USH 63	1268+50.00	23.5' RT	7B				1						1											1	1092.05	1085.48	5.57
USH 63	1268+10.00	23.5' RT	7C				1															1		1	1092.45	1087.87	3.74
USH 63	1269+75.00	23.5' LT	8A				1						1											1	1091.20	1084.63	5.57
USH 63	1269+75.00	23.5' RT	8B				1						1											1	1091.20	1084.63	5.57
USH 63	1269+65.00	23.5' RT	8C				1															1		1	1091.27	1086.70	3.73
USH 63	1270+03.75	51' RT	9A						1		1													1	1091.01	1084.00	6.01
USH 63	1270+03.76	61' RT	9B						1													1		1	1091.24	1086.62	3.79
USH 63	1270+42.75	51' RT	9C						1													1		1	1091.09	1086.47	3.79
USH 63	1270+42.76	56' RT	9D						1													1		1	1091.23	1086.63	3.76
USH 63	1271+01.21	23.5' LT	10A						1				1											1	1090.46	1083.49	5.97
USH 63	1271+11.21	23.5' LT	10B				1															1		1	1090.47	1085.84	3.80
USH 63	1271+21.21	23.5' LT	10C				1															1		1	1090.52	1085.94	3.74
USH 63	1271+01.21	23.5' RT	10D					1					1											1	1090.46	1083.30	6.16
USH 63	1270+91.21	23.5' RT	10E				1															1		1	1090.49	1085.90	3.76
USH 63	1271+11.21	23.5' RT	10F				1															1		1	1090.48	1085.60	4.06
USH 63	1271+90.00	23.5' RT	10G				1															1		1	1090.92	1086.06	4.04
USH 63	1272+00.00	23.5' RT	10H				1															1		1	1090.98	1086.41	3.73
USH 63	1274+57.00	23.5' LT	11A				1						1											1	1092.11	1085.02	6.09
USH 63	1274+57.00	23.5' RT	11B				1				1													1	1092.11	1084.25	6.86
USH 63	1274+29.72	49.3' RT	11C					1													1			1	1091.91	1086.63	4.48
USH 63	1274+22.85	59' RT	11D		1									1										1	1092.32	1086.75	4.94
USH 63	1273+84.62	71.9' RT	11E				1															1		1	1092.25	1087.67	3.75
USH 63	1274+66.31	23.5' RT	11F				1															1		1	1092.14	1087.57	3.74
USH 63	1274+29.32	50.5' LT	11G						1													1		1	1091.95	1087.22	3.90
USH 63	1273+90.35	47.5' LT	11H				1															1		1	1092.03	1087.42	3.77

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0040, UNLESS OTHERWISE NOTED.

STRUCTURES (CONT'D)

LOCATION	STATION	OFFSET*	STRUCTURE	611.0530 Manhole Covers Type J EACH	611.0545 Manhole Covers Type L EACH	611.0612 Inlet Covers Type C EACH	611.0624 Inlet Covers Type H EACH	611.0639 Inlet Covers Type H-S EACH	611.0642 Inlet Covers Type MS EACH	SPV.0060.01 Inlet Covers Type H-D EACH	611.1004 Catch Basins 4-FT Diameter EACH	611.1005 Catch Basins 5-FT Diameter EACH	611.1230 Catch Basins 2x3-FT EACH	611.2004 Manholes 4-FT Diameter EACH	611.2005 Manholes 5-FT Diameter EACH	611.2006 Manholes 6-FT Diameter EACH	611.2007 Manholes 7-FT Diameter EACH	611.2008 Manholes 8-FT Diameter EACH	611.3003 Inlets 3-FT Diameter EACH	611.3004 Inlets 4-FT Diameter EACH	611.3230 Inlets 2x3-FT EACH	611.3901 Inlets Median 1 Grate EACH	650.4000 CAT 0010 Construction Staking Storm Sewer EACH	RIM ELEVATION	INVERT** ELEVATION	DEPTH*** FT
USH 63	1275+83.88	23.5' LT	12A				1						1											1	1092.65	1086.09	5.56
USH 63	1275+85.00	23.5' RT	12B				1						1											1	1092.66	1085.81	5.85
USH 63	1275+75.00	23.5' RT	12C				1														1			1	1092.61	1087.91	3.87
USH 63	1275+65.00	23.5' RT	12D				1														1			1	1092.57	1087.99	3.74
USH 63	1277+73.27	37.9' RT	13A		1									1										1	1094.03	1090.71	2.67
STAGE 2 TOTALS				10	2		26	4		6	3		13	2		1	1	8		1	19		48			
STAGE 3																											
USH 63	1280+03.00	13' RT	14	1													1							1	1090.89	1082.20	7.86
USH 63	1281+50.00	13' RT	15	1													1							1	1088.92	1082.40	5.62
USH 63	1283+02.00	13' RT	16	1												1								1	1087.86	1082.60	4.32
USH 63	1284+40.99	13' RT	17	1												1								1	1087.42	1082.75	3.74
USH 63	1284+97.00	0' RT	18	1											1									1	1087.53	1082.84	3.77
USH 63	1285+52.09	0' RT	19	1											1									1	1087.70	1083.00	3.71
USH 63	1285+52.54	61.1' LT	20		1											1								1	1087.24	1083.00	3.78
USH 63	1285+58.64	68.6' LT	21		1									1										1	1087.47	1083.73	3.16
USH 63	1286+12.99	13' RT	22		1													1						1	1087.69	1083.10	4.01
USH 63	1287+43.00	13' RT	23		1												1							1	1088.23	1083.40	4.37
USH 63	1289+33.23	13' RT	24	1													1							1	1089.01	1083.70	4.44
USH 63	1290+00.00	13' RT	25	1										1										1	1089.28	1084.31	3.98
USH 63	1291+21.88	13' RT	26	1										1										1	1089.78	1084.70	4.09
USH 63	1293+58.60	13' RT	27	1										1										1	1090.75	1085.40	4.36
USH 63	1280+04.39	23.5' LT	14A				1						1											1	1090.58	1084.04	5.54
USH 63	1280+06.29	23.5' RT	14B				1						1											1	1090.55	1084.04	5.51
USH 63	1281+33.57	23.4' LT	15A				1						1											1	1088.83	1083.60	4.23
USH 63	1281+33.64	23.4' RT	15B				1						1											1	1088.83	1083.60	4.23
USH 63	1281+24.00	23.5' RT	15C				1														1			1	1088.93	1085.65	2.44
USH 63	1281+55.71	71' RT	15D					1			1													1	1088.57	1082.00	5.57
USH 63	1282+05.71	71' RT	15F					1																1	1088.16	1085.10	2.22
USH 63	1283+02.00	23.5' LT	16A				1						1											1	1087.58	1082.34	4.24
USH 63	1283+02.00	23.5' RT	16B				1						1											1	1087.58	1082.34	4.24
USH 63	1283+02.66	39.5' RT	16C			1													1					1	1088.35	1084.52	2.76
USH 63	1284+40.99	23.5' LT	17A				1						1											1	1087.14	1082.00	4.14
USH 63	1284+40.99	23.5' RT	17B				1						1											1	1087.14	1081.60	4.54
USH 63	1284+19.00	23.5' RT	17C				1														1			1	1087.21	1083.75	2.65
USH 63	1284+11.00	23.5' RT	17D				1														1			1	1087.23	1084.06	2.34
USH 63	1284+03.00	23.5' RT	17E				1														1			1	1087.26	1084.12	2.31
USH 63	1284+40.99	38.3' RT	17F					1													1			1	1088.30	1084.97	2.50
USH 63	1284+97.00	23.5' LT	18A					1					1											1	1086.99	1081.93	4.06
USH 63	1284+97.00	23.5' RT	18B					1					1											1	1086.99	1081.68	4.31
USH 63	1285+17.17	38.3' RT	18C					1													1			1	1088.02	1084.69	2.50
USH 63	1285+46.17	51.1' LT	19A							1			1											1	1086.97	1081.95	4.02
USH 63	1285+58.77	51.1' RT	19B	1										1										1	1087.51	1083.25	3.68
USH 63	1285+46.29	51.2' RT	19C					1					1											1	1087.11	1082.09	4.02
USH 63	1285+85.29	50.8' RT	19D					1					1											1	1087.22	1082.20	4.02
USH 63	1285+85.24	59.9' LT	21A					1					1											1	1086.90	1081.98	3.92
USH 63	1285+85.24	46.9' LT	21B				1														1			1	1087.08	1084.03	2.22
USH 63	1286+13.00	23.5' LT	22A				1						1											1	1087.41	1081.67	4.74
USH 63	1286+12.99	23.5' RT	22B				1				1													1	1087.41	1081.17	5.24
USH 63	1286+22.99	23.5' RT	22C				1														1			1	1087.45	1083.96	2.68
USH 63	1287+43.00	23.5' LT	23A				1						1											1	1087.95	1082.35	4.60
USH 63	1287+33.00	23.5' LT	23B				1														1			1	1087.91	1084.67	2.40
USH 63	1287+40.14	23.5' RT	23C				1				1													1	1087.94	1081.85	5.09
USH 63	1287+33.00	23.5' RT	23D				1													1				1	1087.91	1084.30	2.79
USH 63	1287+23.00	23.5' RT	23E				1														1			1	1087.87	1084.63	2.40
USH 63	1289+33.23	51.1' LT	24A				1					1												1	1088.87	1082.20	5.67
USH 63	1289+72.22	49.2' LT	24B					1													1			1	1088.77	1084.90	3.08
USH 63	1289+78.86	72.8' LT	24C				1														1			1	1089.44	1086.39	2.22
USH 63	1289+78.91	80.8' LT	24D				1														1			1	1089.54	1086.43	2.28
USH 63	1289+31.94	50.9' RT	24E					1			1													1	1088.64	1083.10	4.54
USH 63	1289+70.43	51.1' RT	24F					1													1			1	1088.81	1085.41	2.58
USH 63	1290+00.00	23.5' LT	25A				1						1											1	1089.00	1083.22	4.78
USH 63	1290+10.00	23.5' LT	25B				1														1			1	1089.04	1085.30	2.91
USH 63	1290+00.00	23.5' RT	25C				1						1											1	1089.00	1083.22	4.78
USH 63	1290+10.00	23.5' RT	25D				1														1			1	1089.04	1085.30	2.91
USH 63	1291+19.48	23.5' LT	26A				1						1											1	1089.49	1083.14	5.35

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STRUCTURES (CONT'D)

LOCATION	STATION	OFFSET*	STRUCTURE	611.0530 Manhole Covers Type J EACH	611.0545 Manhole Covers Type L EACH	611.0612 Inlet Covers Type C EACH	611.0624 Inlet Covers Type H EACH	611.0639 Inlet Covers Type H-S EACH	611.0642 Inlet Covers Type MS EACH	SPV.0060.01 Inlet Covers Type H-D EACH	611.1004 Catch Basins 4-FT Diameter EACH	611.1005 Catch Basins 5-FT Diameter EACH	611.1230 Catch Basins 2x3-FT EACH	611.2004 Manholes 4-FT Diameter EACH	611.2005 Manholes 5-FT Diameter EACH	611.2006 Manholes 6-FT Diameter EACH	611.2007 Manholes 7-FT Diameter EACH	611.2008 Manholes 8-FT Diameter EACH	611.3003 Inlets 3-FT Diameter EACH	611.3004 Inlets 4-FT Diameter EACH	611.3230 Inlets 2x3-FT EACH	611.3901 Inlets Median 1 Grate EACH	650.4000 CAT 0010 Construction Staking Storm Sewer EACH	RIM ELEVATION	INVERT** ELEVATION	DEPTH*** FT
USH 63	1291+27.70	23.4' LT	26B				1														1		1	1089.53	1085.24	3.46
USH 63	1291+19.99	23.5' RT	26C				1						1										1	1089.49	1083.14	5.35
USH 63	1291+26.87	23.4' RT	26D				1														1		1	1089.53	1085.24	3.45
USH 63	1293+58.60	51' LT	27A					1			1												1	1090.34	1084.49	4.85
USH 63	1293+19.60	50.9' LT	27B				1														1		1	1090.53	1086.94	2.76
USH 63	1293+19.58	58.9' LT	27C				1														1		1	1090.72	1086.98	2.91
USH 63	1293+58.45	50.9' RT	27D					1					1										1	1090.19	1084.11	5.08
USH 63	1293+19.45	51.1' RT	27E					1														1	1	1089.95	1086.31	2.80
STAGE 3 TOTALS				10	5	1	34	15		1	5	1	21	5	2	3	4	1	1	1	22		66			
STAGE 4																										
USH 63	1294+25.00	13' RT	28	1											1								1	1090.63	1084.82	4.86
USH 63	1295+18.00	13' RT	29	1											1								1	1090.93	1084.22	5.80
USH 63	1297+35.99	13' RT	30	1														1					1	1091.63	1084.00	6.73
USH 63	1297+72.00	13' RT	31	1														1					1	1091.75	1083.51	7.41
USH 63	1299+01.10	13' RT	32	1														1					1	1092.16	1081.73	9.61
USH 63	1300+90.00	13' RT	33	1														1					1	1092.77	1079.03	12.96
USH 63	1301+58.00	13' RT	34	1														1					1	1092.99	1078.96	13.25
USH 63	1304+49.99	13' RT	35	1													1						1	1092.53	1078.67	13.04
USH 63	1305+18.63	10.7' RT	36	1													1						1	1092.23	1078.60	12.80
USH 63	1307+22.69	25.2' RT	37			1												1					1	1088.32	1078.49	9.00
USH 63	1308+26.52	38.8' RT	38	1														1					1	1083.75	1078.44	4.53
USH 63	1309+51.90	61' RT	39																				1	AEW	1081.94	
USH 63	1308+86.94	41.8' LT	40																					AEW	1084.45	
USH 63	1309+60.88	39' LT	41																					AEW	1083.33	
USH 63	1294+25.00	23.5' LT	28A					1					1										1	1090.35	1084.54	4.81
USH 63	1294+25.00	23.5' RT	28B							1			1										1	1090.35	1084.54	4.81
USH 63	1294+36.10	23.5' RT	28C				1														1		1	1090.39	1086.64	2.91
USH 63	1295+18.00	23.5' LT	29A							1			1										1	1090.65	1084.36	5.29
USH 63	1295+08.00	23.5' LT	29B							1											1		1	1090.62	1086.46	3.32
USH 63	1295+13.63	23.4' RT	29C				1						1										1	1090.64	1084.36	5.28
USH 63	1295+04.66	23.3' RT	29D				1														1		1	1090.61	1086.46	3.32
USH 63	1297+38.27	62.7' LT	30A	1											1								1	1091.29	1084.95	5.39
USH 63	1297+05.23	51' LT	30B							1			1										1	1091.20	1084.70	5.50
USH 63	1297+44.25	64.9' LT	30C							1			1										1	1091.04	1084.47	5.57
USH 63	1297+38.17	51' RT	30D	1										1									1	1091.53	1086.13	4.37
USH 63	1297+05.19	51.1' RT	30E				1						1										1	1091.48	1084.87	5.61
USH 63	1297+44.19	50.9' RT	30F					1					1										1	1091.31	1084.69	5.62
USH 63	1297+72.00	23.5' LT	31A				1						1										1	1091.47	1084.90	5.57
USH 63	1297+72.00	23.5' RT	31B				1						1										1	1091.47	1084.90	5.57
USH 63	1298+99.69	23.4' LT	32A				1						1										1	1091.88	1085.20	5.68
USH 63	1298+90.63	23.4' LT	32B				1														1		1	1091.85	1087.29	3.73
USH 63	1299+00.60	23.4' RT	32C							1			1										1	1091.89	1085.20	5.69
USH 63	1298+90.53	23.4' RT	32D							1											1		1	1091.86	1087.29	3.73
USH 63	1300+91.47	51' LT	33A					1					1										1	1092.44	1085.70	5.74
USH 63	1301+30.47	51' LT	33B					1													1		1	1092.55	1087.94	3.77
USH 63	1300+91.52	51' RT	33C							1	1												1	1092.66	1085.40	6.26
USH 63	1300+91.54	59' RT	33D							1											1		1	1092.79	1088.19	3.76
USH 63	1301+30.52	51' RT	33E					1													1		1	1092.52	1087.68	4.03
USH 63	1301+30.54	59' RT	33F				1														1		1	1092.64	1088.04	3.76
USH 63	1301+58.00	23.5' LT	34A				1						1										1	1092.69	1086.14	5.55
USH 63	1301+58.00	23.5' RT	34B				1						1										1	1092.72	1086.06	5.66

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STRUCTURES (CONT'D)

LOCATION	STATION	OFFSET*	STRUCTURE	611.0530 Manhole Covers Type J EACH	611.0545 Manhole Covers Type L EACH	611.0612 Inlet Covers Type C EACH	611.0624 Inlet Covers Type H EACH	611.0639 Inlet Covers Type H-S EACH	611.0642 Inlet Covers Type MS EACH	SPV.0060.01 Inlet Covers Type H-D EACH	611.1004 Catch Basins 4-FT Diameter EACH	611.1005 Catch Basins 5-FT Diameter EACH	611.1230 Catch Basins 2x3-FT EACH	611.2004 Manholes 4-FT Diameter EACH	611.2005 Manholes 5-FT Diameter EACH	611.2006 Manholes 6-FT Diameter EACH	611.2007 Manholes 7-FT Diameter EACH	611.2008 Manholes 8-FT Diameter EACH	611.3003 Inlets 3-FT Diameter EACH	611.3004 Inlets 4-FT Diameter EACH	611.3230 Inlets 2x3-FT EACH	611.3901 Inlets Median 1 Grate EACH	650.4000 CAT 0010 Construction Staking Storm Sewer EACH	RIM ELEVATION	INVERT** ELEVATION	DEPTH*** FT
USH 63	1301+68.00	23.5' RT	34C				1														1		1		1092.74	1088.16	3.75
USH 63	1301+78.00	23.5' RT	34D				1														1		1		1092.78	1088.21	3.73
USH 63	1304+49.99	23.5' LT	35A				1						1										1		1092.25	1085.70	5.55
USH 63	1304+39.99	23.5' LT	35B				1																1		1092.30	1087.77	3.69
USH 63	1304+49.99	23.5' RT	35C				1						1												1092.25	1085.70	5.55
USH 63	1304+39.99	23.5' RT	35D				1																1		1092.30	1087.77	3.69
USH 63	1305+18.71	50.7' LT	36A				1				1														1092.10	1084.72	6.38
USH 63	1304+77.59	51' LT	36B					1															1		1092.06	1087.21	4.04
USH 63	1305+14.61	51.8' RT	36C				1				1														1092.04	1084.55	6.49
USH 63	1304+77.58	45.7' RT	36D					1															1		1091.97	1087.10	4.05
USH 63	1304+74.88	60.7' RT	36E			1														1					1092.24	1088.00	3.17
USH 63	1305+33.70	24.4' RT	36F				1						1												1091.84	1084.98	5.86
USH 63	1306+08.08	2.6' RT	37A				1															1			1091.54	1088.81	1.90
USH 63	1306+08.08	2.6' LT	37B				1															1			1091.54	1088.78	1.93
USH 63	1306+08.00	24.7' LT	37C																						AEW	1089.84	
USH 63	1308+25.00	50.4' RT	38A						1														1		1082.70	1081.00	1.87
STAGE 4 TOTALS				12		2	22	7	1	9	3		18	1	3		2	7	1		17	1	55				
TOTALS				35	7	3	92	29	1	16	12	1	56	8	5	4	7	19	2	2	66	1	186 CAT 0010				

REMARKS

* STATIONS AND OFFSETS ARE TO CENTER OF STRUCTURE FROM US 63 REFERENCE LINE. STATIONS AND OFFSETS TO SIDEROAD REFERENCE LINES ARE SHOWN ON STORM SEWER PLAN SHEETS.

** FOR STRUCTURES WITH SUMPS, THE INVERT ELEVATION IS THE ELEVATION OF THE SUMP. FOR STRUCTURES WITHOUT SUMPS, THE INVERT ELEVATION IS THE ELEVATION OF THE LOWEST PIPE FLOW LINE

*** DEPTH = RIM ELEV - TOP OF STRUCTURE BASE ELEV - COVER HEIGHT - 6 -INCH ADJUSTMENT RING HEIGHT

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0040, UNLESS OTHERWISE NOTED.

RECONSTRUCTING MANHOLES

STATION	LOCATION	611.0420 EACH
CATEGORY 0040		
STAGE 1		
USH 63		
1259+30	23.5' RT	1
STAGE 1 SUBTOTAL		1
CATEGORY 0040 SUBTOTAL		1
ITEM TOTAL		1

COVER PLATES TEMPORARY

STATION	LOCATION	* 611.8120.S EACH
CATEGORY 0040		
USH 63		
UNDISTRIBUTED		
1258+39.61 - 11310+68.73	LT & RT	10
CATEGORY 0040 SUBTOTAL		10
ITEM TOTAL		10

*ITEM SHOWN ELSEWHERE IN PLAN

MOBILIZATION

STATION	LOCATION	619.1000 EACH
USH 63		
1248+55.00 - 1310+68.73		1
ITEM TOTAL		1

CONCRETE MEDIAN SLOPED NOSE

STATION	LOCATION	620.0300 SF
STAGE 4		
USH 63		
1305+40.23 - 1305+47.23		75
1306+11.85 - 1306+18.85		50
STAGE 4 SUBTOTAL		125
ITEM TOTAL		125

WATER

STATION	LOCATION	624.0100 MGAL
CATEGORY 0010		
STAGE 1		
USH 63		
1258+38.2 - 1263+50.00	LT & RT	20
LINN STREET		
4+41.0 - 4+78.00	LT & RT	1
STH 70		
8+53.00 - 9+78.00	LT & RT	5
10+22.00 - 11+10.00	LT & RT	4
STAGE 1 SUBTOTAL		30
STAGE 2		
USH 63		
1263+50.00 - 1279+00.00	LT & RT	52
VINE STREET		
19+25.00 - 19+78.00	LT & RT	2
20+22.00 - 20+85.00	LT & RT	2
ASH STREET		
29+25.00 - 29+78.00	LT & RT	2
30+22.00 - 30+85.00	LT & RT	3
OAK STREET		
39+25.00 - 39+78.00	LT & RT	2
40+22.00 - 40+80.00	LT & RT	2
WALNUT STREET		
49+50.67 - 49+78.00	LT & RT	1
50+22.00 - 50+70.00	LT & RT	3
STAGE 2 SUBTOTAL		68
STAGE 3		
USH 63		
1292+79.00 - 1279+94.00	LT & RT	50
ELM STREET		
59+25.00 - 59+78.00	LT & RT	2
60+22.00 - 60+75.00	LT & RT	2
PINE STREET		
69+25.00 - 69+78.00	LT & RT	2
70+22.004 - 70+75.00	LT & RT	2
CEDAR STREET		
79+15.00 - 79+78.00	LT & RT	2
80+22.00 - 80+76.00	LT & RT	2
HAZEL STREET		
89+15.00 - 89+78.00	LT & RT	2
90+22.00 - 90+75.00	LT & RT	2
STAGE 3 SUBTOTAL		67
STAGE 4		
USH 63		
1292+94.00 - 1310+68.73	LT & RT	38
SPRUCE STREET		
99+25.00 - 99+78.00	LT & RT	2
100+22.00 - 100+75.00	LT & RT	2
BALSAM STREET		
109+35.00 - 109+78.00	LT & RT	1
110+22.00 - 110+70.00	LT & RT	2
POPLAR STREET		
119+25.18 - 119+78.00	LT & RT	2
120+22.00 - 120+73.83	LT & RT	2
STAGE 4 SUBTOTAL		49
CATEGORY 0010 SUBTOTAL		214
CATEGORY 0050		
STAGE 4		
NEW ROAD		
128+15.24 - 129+78.00	LT & RT	7
STAGE 4 SUBTOTAL		7
CATEGORY 0050 SUBTOTAL		7
ITEM TOTAL		221

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

TOPSOIL ITEMS

STATION	LOCATION	625.0100 TOPSOIL SY	627.0200 MULCHING SY	629.0210 FERTILIZER TYPE B CWT	630.0120 SEEDING MIXTURE NO. 20 LB	630.0140 SEEDING MIXTURE NO. 40 LB	630.0200 SEEDING TEMPORARY LB
CATEGORY 0010							
STAGE 1							
USH 63							
1258+38.2 - 1263+50.00	LT & RT	366	6	0.23	7.84	1.36	10.64
LINN STREET							
4+41.00 - 5+00.00	LT & RT	104		0.07	2.80	0.00	
STH 70							
8+53.00 - 11+10.00	LT & RT	276		0.17		4.98	
UNDISTRIBUTED	LT & RT	186	1	0	2.66	1.58	2.66
STAGE 1 SUBTOTAL		932	7	0.59	13.29	7.92	13.29
STAGE 2							
USH 63							
1263+50.00 - 1279+00.00	LT & RT	158		0.10		2.84	
VINE STREET							
19+25.00 - 19+50.99	RT	63		0.04		1.13	
20+49.10 - 20+85.00	RT	15		0.01		0.27	
ASH STREET							
29+25.00 - 29+50.80	RT	27		0.02		0.49	
OAK STREET							
40+49.20 - 40+80.00	LT & RT	73		0.05		1.31	
UNDISTRIBUTED	LT & RT	84		0.05		1.51	
STAGE 2 SUBTOTAL		420		0.26		7.55	
STAGE 3							
USH 63							
1279+00.00 - 1294+00.00	LT & RT	395		0.25		7.11	
ELM STREET							
59+25.00 - 59+50.92	LT & RT	64		0.04		1.16	
60+49.06 - 60+75.00	LT & RT	78		0.05		1.40	
PINE STREET							
69+25.00 - 69+50.67	LT	56		0.04		1.01	
70+49.44 - 70+75.00	LT & RT	71		0.04		1.28	
CEDAR STREET							
79+15.00 - 79+50.72	LT	22		0.01		0.40	
80+49.21 - 80+76.00	LT	49		0.03		0.89	
HAZEL STREET							
89+15.00 - 89+50.89	LT & RT	132		0.08		2.38	
90+49.17 - 90+75.00	LT & RT	75		0.05		1.36	
UNDISTRIBUTED	LT & RT	236		0.15		4.25	
STAGE 3 SUBTOTAL		1180		0.74		21.24	
STAGE 4							
USH 63							
1294+00.00 - 1310+68.73	LT & RT	316	316	2.19	85.27	5.69	81.76
SPRUCE STREET							
99+25.00 - 99+50.93	LT & RT	11		0.01		0.19	
100+49.16 - 100+75.00	LT & RT	90		0.06		1.61	
BALSAM STREET							
109+35.00 - 109+50.89	LT & RT	71		0.04		1.27	
110+49.10 - 110+70.00	LT & RT	41		0.03		0.75	
POPLAR STREET							
119+25.18 - 119+48.37	LT & RT	72		0.05		1.30	
120+48.83 - 120+73.83	LT & RT	29		0.02		0.52	
UNDISTRIBUTED	LT & RT	157	79	0.60	21.32	2.83	20.44
STAGE 4 SUBTOTAL		787	395	2.98	106.59	14.17	102.20
CATEGORY 0010 SUBTOTAL		3319	402	4.58	119.88	50.88	115.49
CATEGORY 0050							
STAGE 4							
NEW ROAD							
128+15.24 - 129+66.15	LT & RT	421	421	0.27		7.58	11.36
UNDISTRIBUTED	LT & RT	105	105	0.07		1.89	2.84
CATEGORY 0050 SUBTOTAL		526	526	0.33		9.47	14.21
ITEM TOTALS		3845	928	4.91	119.88	60.35	129.69

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

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EROSION CONTROL ITEMS

STATION	LOCATION	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH	628.2004 EROSION MAT CLASS I TYPE B SY	628.2006 EROSION MAT URBAN CLASS I TYPE A SY	628.7504 TEMPORARY DITCH CHECKS LF	628.7555 CULVERT PIPE CHECKS EACH
CATEGORY 0010									
STAGE 1									
USH 63									
1257+12.43 - 1263+50.00	LT & RT	30	30	4	2	290	26		
LINN STREET									
4+41.00 - 5+00.00	LT & RT						146		
STH 70									
8+53.00 - 11+10.00	LT & RT						255		
STAGE 1 SUBTOTAL		30	30	4	2	290	427		
STAGE 2									
USH 63									
1263+50.00 - 1279+00.00	LT & RT			4	2		173		
VINE STREET									
19+25.00 - 19+50.99	LT & RT						63		
20+49.10 - 20+85.00	LT & RT						15		
ASH STREET									
29+25.00 - 29+50.80	LT & RT								
30+49.05 - 30+85.00	LT & RT								
OAK STREET									
39+25.00 - 39+50.98	LT & RT						5		
40+49.20 - 40+80.00	LT & RT						35		
WALNUT STREET									
49+50.67 - 49+55.95	LT								
49+50.67 - 49+66.03	RT								
50+33.96 - 50+70.00	LT								
50+44.05 - 50+70.00	RT								
STAGE 2 SUBTOTAL				4	2		291		
STAGE 3									
USH 63									
1279+00.00 - 1294+00.00	LT & RT			4	2		409		
ELM STREET									
59+25.00 - 59+50.92	LT & RT						71		
60+49.06 - 60+75.00	LT & RT						38		
PINE STREET									
69+25.00 - 69+50.67	LT & RT						56		
70+49.44 - 70+75.00	LT & RT						71		
CEDAR STREET									
79+15.00 - 79+50.72	LT & RT						22		
80+49.21 - 80+76.00	LT & RT						49		
HAZEL STREET									
89+15.00 - 89+50.89	LT & RT						132		
90+49.17 - 90+75.00	LT & RT						75		
STAGE 3 SUBTOTAL				4	2		923		

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

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EROSION CONTROL ITEMS (CONT'D)

STATION	LOCATION	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH	628.2004 EROSION MAT CLASS I TYPE B SY	628.2006 EROSION MAT URBAN CLASS I TYPE A SY	628.7504 TEMPORARY DITCH CHECKS LF	628.7555 CULVERT PIPE CHECKS EACH
STAGE 4									
USH 63									
1294+00.00 - 1311+71.30	LT & RT			4	2	1580	337	80	1
SPRUCE STREET									
99+25.00 - 99+50.93	LT & RT						11		
100+49.16 - 100+75.00	LT & RT						90		
BALSAM STREET									
109+35.00 - 109+50.89	LT & RT						71		
110+49.10 - 110+70.00	LT & RT						41		
POPLAR STREET									
119+25.18 - 119+48.37	LT & RT						72		
120+48.83 - 120+73.83	LT & RT						29		
STAGE 4 SUBTOTAL				4	2	1580	651	80	1
UNDISTRIBUTED	LT & RT	8	8	4	2	468	573	20	1
CATEGORY 0010 TOTAL		38	38	20	10	2338	2865	100	2
CATEGORY 0050									
STAGE 4									
NEW ROAD									
128+15.24 - 129+78.00	LT & RT	5	5			64			
STAGE 4 SUBTOTAL		5	5			64			
UNDISTRIBUTED	LT & RT	2	2			16			
CATEGORY 0050 SUBTOTAL		7	7			80			
ITEM TOTALS		45	45	20	10	2418	2865	100	2

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

INLET PROTECTION

STATION	LOCATION	INLET ID	628.7005 TYPE A EACH	628.7015 TYPE C EACH	628.7020 TYPE D EACH
STAGE 1					
USH 63					
1258+67	53.5' LT	1B	1		1
1259+05	51.6' LT	1A	1		1
1259+29	22.9' RT	EXIST	1	1	
1261+58	34.9' RT	2E	1	1	
1262+08	34.3' RT	2D	1	1	
1262+11	41.3' LT	2A	1	1	
1262+22	53.6' LT	2B	1	1	
1262+27	76.4' LT	2C	1	1	
1262+78	59.1' RT	3G	1	1	
1262+81	75.0' RT	3D	1	1	
1262+86	54.3' LT	3C	1		1
1262+90	42.2' RT	3F	1	1	
1262+98	33.1' LT	3B	1	1	
1263+16	32.2' RT	3E	1	1	
1263+18	24.0' LT	3A	1	1	
STAGE 1 SUBTOTAL			15	12	3
STAGE 2					
USH 63					
1264+25	23.5' LT	4A	1	1	
1264+28	23.5' RT	4B	1	1	
1265+85	23.5' LT	5A	1	1	
1265+85	23.5' RT	5B	1	1	
1268+10	23.5' RT	7C	1	1	
1268+50	23.5' LT	7A	1	1	
1268+50	23.5' RT	7B	1	1	
1269+65	23.5' RT	8C	1	1	
1269+75	23.5' LT	8A	1	1	
1269+75	23.5' RT	8B	1	1	
1270+91	23.5' RT	10E	1	1	
1271+01	23.5' LT	10A	1		1
1271+01	23.5' RT	10D	1		1
1271+11	23.5' LT	10B	1	1	
1271+11	23.5' RT	10F	1	1	
1271+21	23.5' LT	10C	1	1	
1271+90	23.5' RT	10G	1	1	
1272+00	23.5' RT	10H	1	1	
1274+57	23.5' LT	11A	1	1	
1274+57	23.5' RT	11B	1	1	
1274+66	23.5' RT	11F	1	1	
1275+65	23.5' RT	12D	1	1	
1275+75	23.5' RT	12C	1	1	
1275+85	23.5' LT	12A	1	1	
1275+85	23.5' RT	12B	1	1	
VINE STREET					
20+65	19.0' LT	6A	1		1
20+73	18.9' RT	6B	1		1
20+73	19.0' LT	6C	1	1	
ASH STREET					
30+51	19.5' RT	9A	1		1
30+51	19.5' LT	9C	1		1
30+56	19.5' LT	9D	1	1	
30+61	19.5' RT	9B	1	1	
OAK STREET					
39+49	19.5' LT	11G	1		1
39+53	19.5' RT	11H	1	1	
40+49	19.5' LT	11C	1		1
40+72	25.5' RT	11E	1	1	
STAGE 2 SUBTOTAL			36	28	8

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

INLET PROTECTION (CONT'D)

STATION	LOCATION	INLET ID	628.7005 TYPE A EACH	628.7015 TYPE C EACH	628.7020 TYPE D EACH
STAGE 3					
USH 63					
1280+04	23.5' LT	14A	1	1	
1280+06	23.5' RT	14B	1	1	
1281+24	23.5' RT	15C	1	1	
1281+34	23.5' LT	15A	1	1	
1281+34	23.5' RT	15B	1	1	
1283+02	23.5' LT	16A	1	1	
1283+02	23.5' RT	16B	1	1	
1284+03	23.5' RT	17E	1	1	
1284+11	23.5' RT	17D	1	1	
1284+19	23.5' RT	17C	1	1	
1284+41	23.5' LT	17A	1	1	
1284+41	23.5' RT	17B	1	1	
1284+41	38.3' RT	17F	1		1
1284+97	23.5' LT	18A	1		1
1284+97	23.5' RT	18B	1		1
1285+17	38.3' RT	18C	1	1	
1286+13	23.5' LT	22A	1	1	
1286+13	23.5' RT	22B	1	1	
1286+23	23.5' RT	22C	1	1	
1287+23	23.5' RT	23E	1	1	
1287+33	23.5' LT	23B	1	1	
1287+33	23.5' RT	23D	1	1	
1287+43	23.5' LT	23A	1	1	
1287+40	23.5' RT	23C	1	1	
1290+00	23.5' LT	25A	1	1	
1290+00	23.5' RT	25C	1	1	
1290+10	23.5' LT	25B	1	1	
1290+10	23.5' RT	25D	1	1	
1291+19	23.5' LT	26A	1	1	
1291+20	23.5' RT	26C	1	1	
1291+27	23.5' RT	26D	1	1	
1291+28	23.4' LT	26B	1	1	
ELM STREET					
60+71	25.0' RT	15D	1		1
60+71	25.0' LT	15F	1		1
PINE STREET					
69+40	19.5' LT	21A	1		1
69+49	19.5' RT	19A	1		1
69+53	19.6' LT	21B	1	1	
70+51	19.5' RT	19C	1		1
70+51	19.5' LT	19D	1		1
CEDAR STREET					
79+19	26.0' LT	24D	1	1	
79+27	26.0' LT	24C	1	1	
79+49	19.5' RT	24A	1	1	
79+51	19.5' LT	24B	1		1
80+51	19.2' RT	24E	1		1
80+51	19.3' LT	24F	1		1
HAZEL STREET					
89+41	19.5' RT	27C	1	1	
89+49	19.5' LT	27A	1		1
89+49	19.5' RT	27B	1	1	
90+51	19.5' LT	27D	1		1
90+51	19.5' RT	27E	1		1
STAGE 3 SUBTOTAL			50	35	15
STAGE 4					
USH 63					
1294+25	23.5' LT	28A	1		1
1294+25	23.5' RT	28B	1		1
1294+36	23.5' RT	28C	1	1	
1295+05	23.5' RT	29D	1	1	
1295+08	23.5' LT	29B	1	1	
1295+14	23.5' RT	29C	1	1	
1295+18	23.5' LT	29A	1	1	
1297+72	23.5' LT	31A	1	1	
1297+72	23.5' RT	31B	1	1	
1298+91	23.4' LT	32B	1	1	
1298+91	23.4' RT	32D	1	1	
1299+00	23.4' LT	32A	1	1	

INLET PROTECTION (CONT'D)

STATION	LOCATION	INLET ID	628.7005 TYPE A EACH	628.7015 TYPE C EACH	628.7020 TYPE D EACH
1299+01	23.4' RT	32C	1	1	
1301+58	23.5' LT	34A	1	1	
1301+58	23.5' RT	34B	1	1	
1301+68	23.5' RT	34C	1	1	
1301+78	23.5' RT	34D	1	1	
1304+40	23.5' LT	35B	1	1	
1304+40	23.5' RT	35D	1	1	
1304+50	23.5' LT	35A	1	1	
1304+50	23.5' RT	35C	1	1	
1305+34	24.4' RT	36F	1	1	
1306+08	2.6' LT	37A	1	1	
1306+08	2.6' RT	37B	1	1	
1307+23	25.2' RT	37	1		
1308+25	50.4' RT	38A	1		
SPRUCE STREET					
99+35	19.5' LT	30C	1		1
99+49	19.5' RT	30B	1		1
100+51	19.5' RT	30E	1	1	
100+51	19.5' LT	30F	1		1
BALSAM STREET					
109+49	19.5' RT	33A	1		1
109+49	19.5' LT	33B	1		1
110+51	19.5' RT	33C	1	1	
110+51	19.5' LT	33E	1		1
110+59	19.5' RT	33D	1	1	
110+59	19.5' LT	33F	1	1	
POPLAR STREET					
119+48	19.4' LT	36A	1	1	
119+49	19.5' RT	36B	1		1
120+46	19.7' RT	36D	1		1
120+51	19.5' LT	36C	1	1	
120+61	22.5' RT	36E	1	1	
STAGE 4 SUBTOTAL			41	29	10
STAGE 5					
USH 63					
1251+68	RT	EXIST		1	
1254+38	RT	EXIST		1	
1254+38	LT	EXIST		1	
STAGE 5 SUBTOTAL				3	
ITEM TOTALS			142	107	36

FIELD OFFICE TYPE D

STATION	LOCATION	642.5401 EACH
USH 63		
1248+55.00 - 1310+68.73		1
ITEM TOTAL		1

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

PERMANENT TYPE II SIGNING ITEMS

SIGN NO	USH 63 STATION (APPROX.)	LOCATION	SIGN CODE	SIGN MESSAGE	SIGN SIZE W X H (INCHES)	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING SF	634.0810 POSTS TUBULAR STEEL 2X2-INCH X 10-FT EACH	634.0811 POSTS TUBULAR STEEL 2X2-INCH X 11-FT EACH	634.0812 POSTS TUBULAR STEEL 2X2-INCH X 12-FT EACH	634.0814 POSTS TUBULAR STEEL 2X2-INCH X 14-FT EACH	638.2102 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	SPV.0060.09 SALVAGE SIGN POSTS EACH	COMMENT
CAT. 0010																
1-1	1249+85	RT	R3-9B	CENTER LANE with arrows ONLY	24 X 36	6.00	---	---	---	1	---	---	---	---	---	NEW INSTALLATION
1-2	1249+85	RT	R3-9C	BEGIN	24 X 6	1.00	---	---	---	---	---	---	---	---	---	MOUNT ABOVE R3-9B SIGN
1-3	1250+90	LT	R3-9B	CENTER LANE with arrows ONLY	24 X 36	6.00	---	---	---	1	---	---	---	---	---	NEW INSTALLATION
1-4	1250+90	LT	R3-9D	END	24 X 6	1.00	---	---	---	---	---	---	---	---	---	MOUNT ABOVE R3-9B SIGN
1-5	1251+50	RT	R1-1	STOP	36 X 36	---	---	1	---	---	---	1	---	---	1	GREENWOOD AVE.
1-6	1251+70	RT	R7-1L	NO PARKING ANY TIME (left arrow)	18 X 24	---	---	1	---	---	---	1	---	1	---	
1-7	1252+95	LT	R7-1D	NO PARKING ANY TIME (double arrow)	18 X 24	---	---	1	---	---	---	1	---	1	---	
1-8	1253+00	RT	J1-1	JCT 70 State Route Marker	24 X 39	---	---	---	---	1	---	1	---	---	1	
1-9	1254+21	RT	R2-1	SPEED LIMIT 25	24 X 30	---	---	---	1	---	---	1	---	1	---	
1-10	1254+25	LT	R2-1	SPEED LIMIT 35	24 X 30	---	---	---	1	---	---	1	---	1	---	
2-2	1255+84	RT	J2-2	NORTH 63 Ahead Arrow WEST 70 Right Arrow	48 X 57	--- ---	---	---	---	---	2	1	--- ---	1	---	
2-3	1256+60	RT	R7-1D	NO PARKING ANY TIME (double arrow)	18 X 24	3.00	---	1	---	---	---	---	---	---	---	
2-4	1257+00	LT	R7-1D	NO PARKING ANY TIME (double arrow)	18 X 24	---	---	1	---	---	---	1	---	1	---	
2-5	1257+30	LT	---	Signal Ahead symbol&Right Lane Ends symbo	---	---	---	---	---	---	---	---	1	1	---	BACK TO BACK SIGNS ON SAME POST
2-6	1257+50	LT	---	Signal Ahead symbol	---	---	---	---	---	---	---	---	1	---	---	
2-7	1257+50	RT	---	Signal Ahead symbol	---	---	---	---	---	---	---	---	1	1	---	
2-8	1258+28	RT	R7-1D	NO PARKING ANY TIME (double arrow)	18 X 24	---	---	1	---	---	---	1	---	1	---	
2-9	1258+60	LT	R1-1	STOP	36 X 36	---	---	1	---	---	---	1	---	---	1	LINN STREET
2-10	1259+36	LT	R2-1	SPEED LIMIT 25	24 X 30	---	---	---	1	---	---	1	---	1	---	
2-12	1259+98	LT	R7-1D	NO PARKING ANY TIME (double arrow)	18 X 24	---	---	1	---	---	---	1	---	1	---	
2-13	1259+40	RT	R3-8A	Lane designation arrows, left ONLY	36 X 30	7.50	---	---	1	---	---	---	---	---	---	NEW INSTALLATION
3-1	1260+80	RT	R7-1D	NO PARKING ANY TIME (double arrow)	18 X 24	---	---	1	---	---	---	1	---	1	---	
3-3	1261+00	LT	R3-9B	CENTER LANE with arrows ONLY	24 X 36	6.00	---	---	1	---	---	---	---	---	---	NEW INSTALLATION
3-4	1261+55	RT	R7-1L	NO PARKING ANY TIME (left arrow)	18 X 24	---	---	---	---	---	---	1	---	1	---	
3-5	1261+55	LT	J4-1	SOUTH 63 US Hwy Route Marker	24 X 36	---	---	---	---	1	---	1	---	1	---	
3-6	1261+65	RT	J22-1	TO 53 Arrow Right Turn	24 X 57	---	---	---	---	---	1	1	---	---	1	
3-7	1261+80	LT	J13-1	70 State Route Marker & Double Arrow	24 X 45	---	---	---	---	---	---	1	---	1	---	BAND TO NEW SIGNAL POLE
3-9	10+80	RT	J13-1	63 USH Route Marker & Double Arrow	24 X 45	7.50	---	---	---	---	---	1	---	---	---	BAND TO NEW SIGNAL POLE
3-10	1262+16	LT	R1-1F	STOP (Folding type)	36 X 36	---	7.5	---	---	---	---	1	---	---	---	BAND TO NEW SIGNAL POLE
3-12	9+30	RT	R1-1F	STOP (Folding type)	36 X 36	---	---	---	---	---	---	1	---	1	---	BAND TO NEW SIGNAL POLE
3-13	8+02	RT	R3-8A	Lane designation arrows, left ONLY	36 X 30	7.50	---	---	1	---	---	---	---	---	---	NEW INSTALLATION
3-14	9+20	LT	R7-1D	NO PARKING ANY TIME (double arrow)	18 X 24	3.00	---	1	---	---	---	---	---	---	---	NEW INSTALLATION
3-15	9+27	LT	J13-1	63 USH Route Marker & Double Arrow	24 X 45	7.50	---	---	---	---	---	---	---	---	---	BAND TO NEW SIGNAL POLE
3-16	10+75	RT	R1-1F	STOP (Folding type)	36 X 36	---	---	---	---	---	---	1	---	1	---	BAND TO NEW SIGNAL POLE
3-17	1262+80	RT	---	STOP (Folding type)	36 X 36	---	---	---	---	---	---	1	---	1	---	BAND TO NEW SIGNAL POLE
3-21	1263+18	RT	J13-1	70 State Route Marker & Double Arrow	24 X 45	---	---	---	---	---	---	1	---	1	---	BAND TO NEW SIGNAL POLE
3-22	1263+26	LT	R7-1R	NO PARKING ANY TIME (right arrow)	18 X 24	---	---	1	---	---	---	1	---	1	---	
3-23	1263+52	RT	J4-1	NORTH 63 US Hwy Route Marker	24 X 36	---	---	---	---	1	---	1	---	---	1	
3-25	1264+67	LT	R3-8A	Lane designation arrows, left ONLY	36 X 30	7.50	---	---	1	---	---	---	---	---	---	NEW INSTALLATION
3-26	1264+71	LT	R7-1D	NO PARKING ANY TIME (double arrow)	18 X 24	3.00	---	1	---	---	---	---	---	1	---	
3-27	1264+80	RT	R7-1D	NO PARKING ANY TIME (double arrow)	18 X 24	---	---	1	---	---	---	1	---	---	1	
3-28	1265+47	RT	R2-1	SPEED LIMIT 25	24 X 30	---	---	---	1	---	---	1	---	---	1	
3-29	1265+47	RT	---	Signal Ahead symbol	---	---	---	---	---	---	---	---	1	---	---	SIGN ON SAME POST AS '3-28'
3-30	1265+47	LT	---	Signal Ahead symbol	---	---	---	---	---	---	---	---	1	1	---	
3-31			M1-94S	WIS 70 - MAPLE STREET	84 X 18	10.50	---	---	---	---	---	---	---	---	---	ATTACH TO SIGNAL ARM
3-32			M1-94S	WIS 70 - MAPLE STREET	84 X 18	10.50	---	---	---	---	---	---	---	---	---	ATTACH TO SIGNAL ARM
3-33			M1-94S	US 63 - RIVER STREET	84 X 18	10.50	---	---	---	---	---	---	---	---	---	ATTACH TO SIGNAL ARM
3-34			M1-94S	US 63 - RIVER STREET	84 X 18	10.50	---	---	---	---	---	---	---	---	---	ATTACH TO SIGNAL ARM
4-1	1265+77	RT	R7-1D	NO PARKING ANY TIME (double arrow)	18 X 24	---	---	1	---	---	---	1	---	1	---	
4-2	1265+90	LT	R7-1D	NO PARKING ANY TIME (double arrow)	18 X 24	---	---	---	---	---	---	1	---	1	---	
4-3	1266+16	LT	R1-1	STOP	36 X 36	---	---	1	---	---	---	1	---	1	---	VINE STREET EASTBOUND
4-4	1266+59	RT	R1-1	STOP	36 X 36	---	---	1	---	---	---	1	---	1	---	VINE STREET WESTBOUND
4-5	1267+25	RT	R7-1D	NO PARKING ANY TIME (double arrow)	18 X 24	---	---	1	---	---	---	1	---	1	---	
4-6	1267+50	LT	J2-2	EAST 70 Left Arrow WEST 70 Right Arrow	48 X 57	--- ---	---	---	---	---	---	1	--- ---	---	1	
4-7	1268+46	LT	R7-1D	NO PARKING ANY TIME (double arrow)	18 X 24	---	---	1	---	---	---	1	---	1	---	
4-8	1268+56	RT	R3-9B	CENTER LANE with arrows ONLY	24 X 36	6.00	---	---	---	---	---	---	---	---	---	NEW INSTALLATION
4-10	1269+08	RT	R7-1D	NO PARKING ANY TIME (double arrow)	18 X 24	---	---	1	---	---	---	1	---	1	---	
4-11	1269+59	LT	J1-1	JCT 70 State Route Marker	24 X 39	---	---	---	---	---	---	1	---	1	---	
4-12	1269+59	LT	---	Tourist Info (left arrow)	---	---	---	---	---	---	---	1	---	1	---	MOVE TO SAME POST AS '4-11'
4-13	1269+73	RT	D9-2	Hospital Symbol	24 X 24	---	---	---	1	---	---	1	---	1	---	
4-15	1269+98	LT	R1-1	STOP	36 X 36	---	---	1	---	---	---	1	---	1	---	ASH STREET EASTBOUND
4-16	1270+48	RT	R1-1	STOP	36 X 36	---	---	1	---	---	---	1	---	1	---	ASH STREET WESTBOUND
5-1	1271+13	RT	R2-1	SPEED LIMIT 25	24 X 30	---	---	---	1	---	---	1	---	1	---	
5-2	1271+61	LT	D4-1	PARKING (Left Arrow)	30 X 24	5.00	---	---	---	---	---	---	---	---	1	
5-3	1271+61	LT	R7-1D	NO PARKING ANY TIME (double arrow)	18 X 24	---	---	---	---	---	---	1	---	1	---	MOUNT SIGN ON SAME POST AS '5-2'
5-4	1271+72	RT	R7-1D	NO PARKING ANY TIME (double arrow)	18 X 24	3.00	---	1	---	---	---	---	---	---	---	
5-5	1273+34	RT	R3-9B	CENTER LANE with arrows ONLY	24 X 36	6.00	---	---	---	---	---	---	---	---	---	NEW INSTALLATION
5-6	1274+35	LT	R1-1	STOP	36 X 36	---	---	1	---	---	---	1	---	1	---	NEW INSTALLATION
5-7	1274+35	RT	R1-1	STOP	36 X 36	---	---	1	---	---	---	1	---	1	---	OAK STREET WESTBOUND
5-9	1275+03	RT	---	Signal Ahead symbol	---	---	---	---	---	---	---	---	1	1	---	
5-10	1275+17	LT	R7-1D	NO PARKING ANY TIME (double arrow)	18 X 24	---	---	1	---	---	---	1	---	1	---	
5-11	1275+48	RT	R7-1D	NO PARKING ANY TIME (double arrow)	18 X 24	---	---	1	---	---	---	1	---	1	---	
5-13	1275+86	RT	R3-8A	Lane designation arrows, left ONLY	36 X 30	7.50	---	---	1	---	---	---	---	---	---	NEW INSTALLATION

PERMANENT TYPE II SIGNING ITEMS (CONT'D)

SIGN NO.	USH 63 STATION (APPROX.)	LOCATION	SIGN CODE	SIGN MESSAGE	SIGN SIZE W X H (INCHES)	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING SF	634.0810 POSTS TUBULAR STEEL 2X2-INCH X 10-FT EACH	634.0811 POSTS TUBULAR STEEL 2X2-INCH X 11-FT EACH	634.0812 POSTS TUBULAR STEEL 2X2-INCH X 12-FT EACH	634.0814 POSTS TUBULAR STEEL 2X2-INCH X 14-FT EACH	638.2102 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	SPV.0060.09 SALVAGE SIGN POSTS EACH	COMMENT
6-1	1276+80	LT	R2-1	SPEED LIMIT 25	24 X 30	---	---	---	1	---	---	1	---	1	---	
6-2	1276+80	LT	R7-1D	NO PARKING ANY TIME (double arrow)	18 X 24	---	---	---	---	---	---	1	---	1	---	MOUNT SIGN BELOW 6-1
6-4	1278+36	RT	R7-1D	NO PARKING ANY TIME (double arrow)	18 X 24	---	---	1	---	---	---	1	---	1	---	
6-5	1279+06	RT	R2-1	SPEED LIMIT 25	24 X 30	---	---	---	1	---	---	1	---	1	---	
6-6	1279+07	LT	R7-1D	NO PARKING ANY TIME (double arrow)	18 X 24	---	---	---	---	---	---	1	---	1	---	
6-8	1279+60	RT	R7-1D	NO PARKING ANY TIME (double arrow)	18 X 24	3.00	---	---	---	---	---	---	---	---	---	NEW INSTALLATION
6-9	1279+69	LT	R3-8A	Lane designation arrows, left ONLY	36 X 30	7.50	---	---	1	---	---	---	---	---	---	NEW INSTALLATION
6-10			M1-94H	WALNUT STREET	78 X 18	9.75	---	---	---	---	---	---	---	---	---	ATTACH TO SIGNAL ARM
6-11			M1-94H	WALNUT STREET	78 X 18	9.75	---	---	---	---	---	---	---	---	---	ATTACH TO SIGNAL ARM
7-1	1281+06	LT	---	Signal Ahead symbol	---	---	---	---	---	---	---	---	1	---	---	
7-2	1281+42	LT	R7-1D	NO PARKING ANY TIME (double arrow)	18 X 24	---	---	---	---	---	---	1	---	1	---	MOUNT SIGN BELOW 7-1
7-3	1281+56	LT	R1-1	STOP	36 X 36	---	---	1	---	---	---	1	---	1	---	ELM STREET EASTBOUND
7-4	1282+05	RT	R1-1	STOP	36 X 36	---	---	1	---	---	---	1	---		1	ELM STREET WESTBOUND
7-5	1282+52	RT	J1-1	JCT COUNTY K Route Marker	24 X 39	---	---	---	---	---	---	1	---	1	---	
7-7	1283+35	RT	R3-9B	CENTER LANE with arrows ONLY	24 X 36	6.00	---	---	1	---	---	---	---	---	---	NEW INSTALLATION
7-8	1283+50	LT	R7-1D	NO PARKING ANY TIME (double arrow)	18 X 24	---	---	---	---	---	---	1	---	1	---	
7-9	1284+03	RT	R7-1D	NO PARKING ANY TIME (double arrow)	18 X 24	---	---	---	---	---	---	1	---	1	---	
7-10	1284+81	LT	---	NO PARKING ANY TIME (double arrow)	18 X 24	---	---	---	---	---	---	1	---	1	---	
7-11	1285+00	LT	R3-9B	CENTER LANE with arrows ONLY	24 X 36	6.00	---	---	---	---	---	---	---	---	---	NEW INSTALLATION
7-12	1285+16	RT	J13-1	COUNTY K & Left Arrow	24 X 45	---	---	---	---	1	---	1	---	1	---	
7-14	1285+41	LT	R1-1	STOP	36 X 36	---	---	1	---	---	---	1	---	1	---	CTH K/PINE STREET EASTBOUND
7-15	1285+90	RT	R1-1	STOP	36 X 36	---	---	1	---	---	---	1	---		1	CTH K/PINE STREET WESTBOUND
7-16	1286+16	LT	J12-1	COUNTY K & Right/Ahead Arrow	24 X 45	---	---	---	---	---	---	1	---	---	1	
7-17	1286+40	RT	D9-2	Hospital Symbol	24 X 24	---	---	---	---	---	---	1	---	1	---	NEW LOCATION IS VISIBLE TO TRAFFIC ON PINE ST
7-18	1286+40	RT	MB6-1	Ahead Arrow	21 X 21	---	---	---	---	---	---	1	---	1	---	MOUNT BELOW HOSPITAL SIGN
8-1	1286+63	RT	R7-1D	NO PARKING ANY TIME (double arrow)	18 X 24	---	---	1	---	---	---	1	---	---	1	
8-2	1287+46	LT	R7-1D	NO PARKING ANY TIME (double arrow)	18 X 24	---	---	---	---	---	---	1	---	1	---	
8-3	1288+10	RT	R7-1D	NO PARKING ANY TIME (double arrow)	18 X 24	---	---	1	---	---	---	1	---	---	1	
8-4	1288+98	LT	J1-1	JCT COUNTY K Route Marker	24 X 39	---	---	---	---	---	---	1	---	---	1	
8-5	1289+28	LT	R1-1	STOP	36 X 36	---	---	1	---	---	---	1	---	1	---	CEDAR STREET EASTBOUND
8-6	1289+76	RT	R1-1	STOP	36 X 36	---	---	1	---	---	---	1	---	---	1	CEDAR STREET WESTBOUND
8-7	1290+37	LT	R2-1	SPEED LIMIT 25	24 X 30	---	---	---	1	---	---	1	---	1	---	
8-8	1290+96	RT	R7-1D	NO PARKING ANY TIME (double arrow)	18 X 24	---	---	1	---	---	---	1	---	---	1	
8-9	1290+96	LT	R7-1D	NO PARKING ANY TIME (double arrow)	18 X 24	---	---	1	---	---	---	1	---	1	---	
9-1	1291+84	LT	R7-1D	NO PARKING ANY TIME (double arrow)	18 X 24	---	---	1	---	---	---	1	---	1	---	
9-2	1292+27	RT	R7-1D	NO PARKING ANY TIME (double arrow)	18 X 24	---	---	---	---	---	---	1	---	---	1	
9-3	1293+15	LT	R1-1	STOP	36 X 36	---	---	1	---	---	---	1	---	1	---	HAZEL STREET EASTBOUND
9-4	1293+64	RT	R1-1	STOP	36 X 36	---	---	1	---	---	---	1	---	---	1	HAZEL STREET WESTBOUND
9-5	1294+00	RT	R3-9B	CENTER LANE with arrows ONLY	24 X 36	6.00	---	---	---	---	---	---	---	---	---	NEW INSTALLATION
9-6	1294+04	LT	R3-9B	CENTER LANE with arrows ONLY	24 X 36	6.00	---	---	1	---	---	---	---	---	---	NEW INSTALLATION
9-7	1294+50	LT	R7-1D	NO PARKING ANY TIME (double arrow)	18 X 24	---	---	---	---	---	---	1	---	1	---	
9-8	1294+64	RT	R7-1D	NO PARKING ANY TIME (double arrow)	18 X 24	---	---	1	---	---	---	1	---	---	1	
9-9	1296+00	RT	R7-1D	NO PARKING ANY TIME (double arrow)	18 X 24	---	---	---	---	---	---	1	---	1	---	
9-10	1296+03	LT	R7-1D	NO PARKING ANY TIME (double arrow)	18 X 24	---	---	1	---	---	---	1	---	1	---	
10-1	1297+00	LT	R1-1	STOP	36 X 36	---	---	1	---	---	---	1	---	1	---	SPRUCE STREET EASTBOUND
10-2	1297+50	RT	R1-1	STOP	36 X 36	---	---	1	---	---	---	1	---	1	---	SPRUCE STREET WESTBOUND
10-3	1297+92	RT	R2-1	SPEED LIMIT 25	24 X 30	---	---	---	---	---	---	1	---	---	1	
10-4	1298+70	RT	R7-1D	NO PARKING ANY TIME (double arrow)	18 X 24	---	---	1	---	---	---	1	---	1	---	
10-5	1298+72	LT	R2-1	SPEED LIMIT 25	24 X 30	---	---	---	---	---	---	1	---	1	---	
10-6	1299+71	RT	R7-1D	NO PARKING ANY TIME (double arrow)	18 X 24	---	---	---	---	---	---	1	---	1	---	
10-7	1300+08	LT	R7-1D	NO PARKING ANY TIME (double arrow)	18 X 24	---	---	1	---	---	---	1	---	1	---	
11-1	1300+86	LT	R1-1	STOP	36 X 36	---	---	1	---	---	---	1	---	1	---	BALSAM STREET EASTBOUND
11-2	1301+36	RT	R1-1	STOP	36 X 36	---	---	1	---	---	---	1	---	1	---	BALSAM STREET WESTBOUND
11-3	1302+03	RT	---	Right Lane Ends symbol	---	---	---	---	---	---	---	---	1	1	1	
11-4	1302+33	RT	R7-1D	NO PARKING ANY TIME (double arrow)	18 X 24	---	---	1	---	---	---	1	---	1	---	
11-5	1302+35	LT	R7-1D	NO PARKING ANY TIME (double arrow)	18 X 24	---	---	---	---	---	---	1	---	---	1	
11-6	1303+89	LT	R7-1D	NO PARKING ANY TIME (double arrow)	18 X 24	---	---	1	---	---	---	1	---	1	---	
11-7	1303+90	RT	R7-1D	NO PARKING ANY TIME (double arrow)	18 X 24	3.00	---	1	---	---	---	---	---	---	---	NEW INSTALLATION
11-8	1304+35	LT	R3-9B	CENTER LANE with arrows ONLY	24 X 36	6.00	---	---	---	---	---	---	---	---	---	NEW INSTALLATION
11-9	1304+35	LT	R3-9C	BEGIN	24 X 6	1.00	---	---	---	---	---	---	---	---	---	MOUNT ABOVE R3-9B SIGN
11-10	1304+74	LT	R1-1	STOP	36 X 36	---	---	1	---	---	---	1	---	1	---	POPLAR STREET EASTBOUND
11-11	1305+19	RT	R1-1	STOP	36 X 36	---	---	1	---	---	---	1	---	---	1	POPLAR STREET WESTBOUND
11-12	1305+49	CENTER	R4-7	Keep Right Symbol	24 X 30	5.00	---	---	1	---	---	---	---	---	---	NEW INSTALLATION
11-13	1305+72	RT	R3-9B	CENTER LANE with arrows ONLY	24 X 36	6.00	---	---	---	1	---	---	---	---	---	NEW INSTALLATION
11-14	1305+72	RT	R3-9D	END	24 X 6	1.00	---	---	---	---	---	---	---	---	---	MOUNT ABOVE R3-9B SIGN
12-1	1308+01	RT	R2-1	SPEED LIMIT 55	24 X 30	---	---	---	1	---	---	1	---	---	1	
12-2	1308+01	LT	R2-1	SPEED LIMIT 25	24 X 30	---	---	---	1	---	---	1	---	---	1	
12-3	1310+67	LT	---	TOURIST INFORMATION 1/2 MILE	---	---	---	---	---	2	---	1	---	1	---	MOVE SIGN TO NEW POSTS AT NEW LOCATION
12-4	1310+35	RT	J4-1	NORTH 63 US Hwy Route Marker	24 X 36	---	---	---	---	---	---	1	---	---	1	MOUNT SIGN ON INSIDE POST ABOVE 12-5 SIGN
12-5	1310+35	RT	D2-3	Hayward 25	---	---	---	---	---	---	2	1	---	---	1	

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

3

PERMANENT TYPE II SIGNING ITEMS (CONT'D)

SIGN NO.	USH 63 STATION (APPROX.)	LOCATION	SIGN CODE	SIGN MESSAGE	SIGN SIZE W X H (INCHES)	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING SF	634.0810 POSTS TUBULAR STEEL 2X2-INCH X 10-FT EACH	634.0811 POSTS TUBULAR STEEL 2X2-INCH X 11-FT EACH	634.0812 POSTS TUBULAR STEEL 2X2-INCH X 12-FT EACH	634.0814 POSTS TUBULAR STEEL 2X2-INCH X 14-FT EACH	638.2102 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	SPV.0060.09 SALVAGE SIGN POSTS EACH	COMMENT
70-1	11+08	RT	J2-1	EAST 70 State Route Marker	24 X 39	9.50	---	---	---	1	---	---	---	---	---	SIGN ASSEMBLY ON SIGNAL POLE
70-2	11+75	LT	R7-1D	NO PARKING ANY TIME (double arrow)	18 X 24	3.00	---	---	---	---	---	---	---	---	---	MOUNT SIGN ON INSIDE POST BELOW 70-3 SIGN
70-3	11+75	LT	D1-3	Siren Ahead Arrow Shell Lake Left Arrow Superior Right Arrow	78 X 42	22.75	---	---	---	---	2	---	1	2	---	REMOVED FROM 2 POSTS WITH SIGNS 70-2,70-4,70-5 and Obsolete 63 Route Marker w/double arrow
70-4	11+75	LT	D9-2	Hospital Symbol	24 X 24	4.00	---	---	---	---	---	---	---	---	---	MOUNT SIGN ON OUTSIDE POST BELOW 70-3 SIGN
70-5	11+75	LT	MB6-2R	Right Arrow	21 X 21	3.06	---	---	---	---	---	---	---	---	---	MOUNT BELOW HOSPITAL SIGN
70-6	11+75	RT	R7-1D	NO PARKING ANY TIME (double arrow)	18 X 24	3.00	---	1	---	---	---	---	1	1	---	
70-7	11+75	RT	R2-1	SPEED LIMIT 25	24 X 30	5.00	---	---	1	---	---	---	1	1	---	
70-32	12+15	RT	R3-2	No Left Turn	24 X 24	4.00	---	1	---	---	---	---	---	---	---	NEW INSTALLATION
70-8	12+42	LT	R3-9B	CENTER LANE with arrows ONLY	24 X 36	6.00	---	---	---	1	---	---	---	---	---	NEW INSTALLATION
70-9	12+42	LT	R3-9C	BEGIN	24 X 6	1.00	---	---	---	---	---	---	---	---	---	MOUNT ABOVE R3-9B SIGN
70-11	12+86	LT	R3-8A	Lane designation arrows, left ONLY	36 X 30	7.50	---	---	1	---	---	---	---	---	---	NEW INSTALLATION
70-12	13+25	LT	R7-1D	NO PARKING ANY TIME (double arrow)	18 X 24	3.00	---	1	---	---	---	---	1	1	---	
70-13	13+20	RT	---	HERITAGE	---	---	---	---	---	---	---	---	1	1	---	REMOVE OBSOLETE SIGN
70-14	13+25	RT	E-SERIES	Wild Rivers Trail Parking (Left Arrow)	66 X 36	16.5	---	---	---	1	---	---	1	1	---	
70-15	13+25	RT	E-SERIES	Wild Rivers Trail Parking (Right Arrow)	66 X 36	16.5	---	---	---	---	---	---	---	---	---	MOUNT SIGN FACING EAST ON SAME POST AS 70-14
70-16	---	RT	---	Right Lane Ends symbol	---	---	---	---	---	---	---	---	1	1	---	REMOVE OBSOLETE SIGN
70-17	---	RT	W3-3	Signal Ahead symbol	36 X 36	---	---	---	---	1	---	---	---	---	---	
70-18	---	LT	W3-3	Signal Ahead symbol	36 X 36	---	---	---	---	1	---	---	1	1	---	
70-19	---	RT	R7-1D	NO PARKING ANY TIME (double arrow)	18 X 24	3.00	---	1	---	---	---	---	1	1	---	
70-21	---	LT	D7-59R	TOURIST INFORMATION (Right Arrow)	54 X 36	13.5	---	---	---	1	---	---	1	1	---	
70-22	---	LT	R7-1D	NO PARKING ANY TIME (double arrow)	18 X 24	3.00	---	---	---	---	---	---	---	---	---	MOUNT SIGN ON POST BELOW 70-21 SIGN
70-23	---	LT	J1-1	JCT 63 US Highway Route Marker	24 X 39	6.50	---	---	---	1	---	---	1	1	---	
70-24	---	RT	R3-9D	END	24 X 6	1.00	---	---	---	---	---	---	---	---	---	MOUNT ABOVE R3-9B SIGN
70-25	---	RT	R3-9B	CENTER LANE with arrows ONLY	24 X 36	6.00	---	---	---	1	---	---	---	---	---	NEW INSTALLATION
70-26	---	RT	R7-1D	NO PARKING ANY TIME (double arrow)	18 X 24	3.00	---	---	---	---	---	---	1	1	---	MOUNT SIGN ON POST BELOW 70-25 SIGN
70-27	---	LT	R3-9B	CENTER LANE with arrows ONLY	24 X 36	6.00	---	---	---	1	---	---	---	---	---	NEW INSTALLATION
70-28	---	LT	R3-9C	BEGIN	24 X 6	1.00	---	---	---	---	---	---	---	---	---	MOUNT ABOVE R3-9B SIGN
70-29	---	LT	R7-1D	NO PARKING ANY TIME (double arrow)	18 X 24	3.00	---	---	---	---	---	---	1	1	---	MOUNT BELOW 70-30 SIGN
70-30	---	LT	R2-1	SPEED LIMIT 25	24 X 30	5.00	---	---	1	---	---	---	1	1	---	
70-31	---	RT	R2-1	SPEED LIMIT 40	24 X 30	5.00	---	---	1	---	---	---	1	1	---	
				TOTALS		372.81	7.50	57	24	18	7	100	23	94	28	

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

TRAFFIC CONTROL ITEMS

STATION - STATION	DAYS	643.0300 DRUMS DAY	643.0410 BARRICADES TYPE II DAY	643.0420 BARRICADES TYPE III DAY	643.0705 WARNING LIGHTS TYPE A DAY	643.0715 WARNING LIGHTS TYPE C DAY	643.0800 ARROW BOARDS DAY	643.0900* SIGNS DAY	643.0920 COVERING SIGNS TYPE II DAY	643.5000 TRAFFIC CONTROL EACH	644.1420 TEMPORARY PEDESTRIAN SURFACE PLYWOOD SF	644.1430 TEMPORARY PEDESTRIAN SURFACE PLATE SF	644.1601 TEMPORARY PEDESTRIAN CURB RAMP DAY	644.1810 TEMPORARY PEDESTRIAN BARRICADE LF	646.9000 MARKING REMOVAL LINE 4-INCH LF	649.0150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH LF	649.0250 TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH LF	649.0850 TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH LF
STAGE 1																		
USH 63																		
1258+38 - 1263+50	26	1430	338	572	832	0	0	1716	0	1		340	52	90	0	1500	1140	80
STAGE 2																		
USH 63																		
1263+50 - 1279+.00	64	11008	1088	3328	5248	384	128	8768	256		3400	480	0	90	75	4620	24	0
UNDISTRIBUTED	64		384					384						100				
STAGE 3																		
USH 63																		
1279+00 - 1294+00	64	12928	960	3008	4352	384	128	7232	0		2000	480	0	90	75	3100	24	0
UNDISTRIBUTED	64		384					384										
STAGE 4																		
USH 63																		
1294+00 - 1310+69	61	11285	732	2257	3416	0	0	6344	0		3100	840	0	90	0	3200	24	0
UNDISTRIBUTED	61		366					366										
STAGE 5																		
USH 63																		
1248+55 - 1258+38	7	0	0	0	0	0	0	98	0		0		0		0	0	0	0
ITEM TOTALS		36651	4252	9165	13848	768	256	25292	256	1	8500	2140	52	460	150	12420	1212	80

*ITEM SHOWN ELSEWHERE IN PLAN

DETOUR ITEMS

LOCATION	DAYS	643.0900* SIGNS DAY	643.1000 TRAFFIC CONTROL SIGNS FIXED MESSAGE SF
STAGE 1			
SHEET 1	26	1040	26
SHEET 2	26	2106	52
SHEET 3	26	2314	
SHEET 4	26	260	
SHEET 5	26	1274	52
STAGE 2			
SHEET 6	196	19012	42
STAGE 3			
SHEET 6	196	19012	42
STAGE 4			
SHEET 6	196	19012	42
ITEM TOTALS		64030	256

*ITEM SHOWN ELSEWHERE IN PLAN

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MARKING ITEMS

STATION	LOCATION	646.6464 COLD WEATHER MARKING LINE EPOXY 4-INCH (WHITE) LF	646.6464 COLD WEATHER MARKING LINE EPOXY 4-INCH (YELLOW) LF	646.6464 COLD WEATHER MARKING LINE EPOXY 4-INCH DOUBLE (YELLOW) LF	646.6464 COLD WEATHER MARKING LINE EPOXY 4-INCH DASHED (YELLOW) LF	646.6468 COLD WEATHER MARKING LINE EPOXY 8-INCH (WHITE) LF	646.5020 MARKING ARROW EPOXY EACH	646.5120 MARKING WORD EPOXY EACH	646.6120 MARKING STOP LINE EPOXY 18-INCH LF	646.6320 MARKING DOTTED EXTENSION EPOXY 18-INCH LF	646.7120 MARKING DIAGONAL EPOXY 12-INCH LF	646.7420 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH LF	646.8120 MARKING CURB EPOXY LF	646.8220 MARKING ISLAND NOSE EPOXY EACH
CATEGORY 0010														
USH 63														
1248+55.00 - 1262+51.72	LT & RT	2511	1867	1034	441	206	9	1	29		67	119		
1262+51.72 - 1277+95.17	LT & RT	2433	1665	1088	40	237	14	1	58		51	767		
1277+95.17 - 1293+38.76	LT & RT	2456	2156	461	536	75	16		29		30	742		
1293+38.76 - 1310+68.73	LT & RT	2790	1832	1025	458		12				21	700	20	2
GREENWOOD AVENUE														
0+32	LT													
LINN STREET														
4+62	RT													
STH 70														
8+20.9 - 9+39	LT & RT	157		217		75	2			12		104		
10+67 - 385+39.8	LT & RT	1368	922	1090	224	75	8			40	86	100		
VINE STREET														
19+25- 19+70	LT & RT					17						82		
20+30 - 20+85	LT & RT					17						82		
ASH STREET														
29+25 - 29+70	LT & RT											94		
30+30 - 30+85	LT & RT											94		
OAK STREET														
39+25 - 39+67	LT & RT								18			86		
40+30 - 40+80	LT & RT								20			94		
WALNUT STREET														
49+50.67 - 49+65	LT & RT											50		
50+43.00 - 50+70	LT & RT											48		
ELM STREET														
59+25 - 59+70	LT & RT											94		
60+30 - 60+75	LT & RT											94		
PINE STREET														
69+15 - 69+70	LT & RT	49		88		44	2		19			94		
70+30 - 70+75	LT & RT											94		
CEDAR STREET														
79+15 - 79+70	LT & RT											94		
80+30 - 80+76	LT & RT											94		
HAZEL STREET														
89+15 - 89+70	LT & RT											94		
90+30 - 90+75	LT & RT											94		
SPRUCE STREET														
99+25 - 99+70	LT & RT											94		
100+30 - 100+75	LT & RT											94		
BALSAM STREET														
109+35 - 109+70	LT & RT											94		
110+30 - 110+70	LT & RT											94		
POPLAR STREET														
119+25.18 - 119+63	LT & RT											84		
120+33 - 120+73.83	LT & RT											87		
SUBTOTAL		11764	8442	5003	1699									
CATEGORY 0010 SUBTOTAL		26908				746	63	2	173	52	255	4461	20	2
ITEM TOTALS		26908				746	63	2	173	52	255	4461	20	2

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CONSTRUCTION STAKING

STATION	LOCATION	650.4500 SUBBGRADE LF	650.5000 BASE LF	650.9920 SLOPE STAKES LF
STAGE 1				
USH 63				
1258+35.20 - 1261+59.90	LT & RT	325	325	325
1261+59.9 - 1263+50.00	LT & RT			
LINN STREET				
4+41.00 - 5+00.00	LT & RT	59	59	59
STH 70				
8+53.00 - 8+89.95	LT & RT	37	37	37
8+89.95 - 10+90.90	LT & RT	201		201
10+90.90 - 11+10.00	LT & RT	19	19	19
STAGE 1 SUBTOTAL		641	440	641
STAGE 2				
USH 63				
1263+50.00 - 1279+00.00	LT & RT	1550		1550
VINE STREET				
19+25.00 - 19+50.99	LT & RT	26	26	26
19+50.99 - 20+49.10	LT & RT	98		98
20+49.10 - 20+85.00	LT & RT	36	36	36
ASH STREET				
29+25.00 - 29+50.80	LT & RT	26	26	26
29+50.0 - 30+49.05		99		99
30+49.05 - 30+85.00	LT & RT	36	36	36
OAK STREET				
39+25.00 - 39+50.98	LT & RT	26	26	26
39+50.98 - 40+49.20	LT & RT	98		98
40+49.20 - 40+80.00	LT & RT	31	31	31
WALNUT STREET				
49+50.67 - 49+55.94	LT & RT	6	6	6
49+55.94 - 50+40.00	LT & RT	84		84
50+40.00 - 50+70.00	LT & RT	30	30	30
STAGE 2 SUBTOTAL		2146	217	2146
STAGE 3				
USH 63				
1279+00.00 - 1294+00.00	LT & RT	1500		1500
ELM STREET				
59+25.00 - 59+50.92	LT & RT	26	26	26
59+50.92 - 60+49.06	LT & RT	98		98
60+49.06 - 60+75.00	LT & RT	26	26	26
PINE STREET				
69+25.00 - 69+50.67	LT & RT	26	26	26
69+50.67 - 70+49.44	LT & RT	99		99
70+49.44 - 70+75.00	LT & RT	26	26	26
CEDAR STREET				
79+15.00 - 79+50.72	LT & RT	36	36	36
79+50.72 - 80+49.21	LT & RT	99		99
80+49.21 - 80+76.00	LT & RT	27	27	27
HAZEL STREET				
89+15.00 - 89+50.89	LT & RT	36	36	36
89+50.89 - 90+49.17	LT & RT	98		98
90+49.17 - 90+75.00	LT & RT	26	26	26
STAGE 3 SUBTOTAL		2123	229	2123
STAGE 4				
USH 63				
1294+00.00 - 1305+40.20	LT & RT	1140		1140
1305+40.20 - 1310+68.73		529	529	529
SPRUCE STREET				
99+25.00 - 99+50.93	LT & RT	26	26	26
99+50.93 - 100+49.16	LT & RT	98		98
100+49.16 - 100+75.00	LT & RT	26	26	26
BALSAM STREET				
109+35.00 - 109+50.89	LT & RT	16	16	16
109+50.89 - 110+49.10	LT & RT	98		98
110+49.10 - 110+70.00	LT & RT	21	21	21
POPLAR STREET				
119+25.18 - 119+48.37	LT & RT	23	23	23
119+48.37 - 120+48.83	LT & RT	101		101
120+48.83 - 120+73.83	LT & RT	25	25	25
STAGE 4 SUBTOTAL		2103	666	2103
ITEM TOTAL		7013	1552	7013

CONSTRUCTION STAKING

STATION	LOCATION	650.5500 CURB GUTTER AND CURB & GUTER LF	COMMENTS
STAGE 1			
USH 63			
1258+38.23 - 1261+58.23	LT & RT	466	
1261+50.22 - 1262+21.85	RT	115	REALTY PARKING LOT
1261+62.70 - 1261+97.18	LT	40	KWIK TRIP PARKING LOT
1261+94.59 - 1262+01.84	LT	8	
LINN STREET			
4+41.0 - 4+78.00	LT & RT	103	
STH 70			
8+53.0 - 8+89.95	LT & RT	74	
10+90.90 - 11+10.00	LT & RT	38	
10+42.50	LT	7	MCDONALDS
10+60.50	LT	7	MCDONALDS
STAGE 1 SUBTOTAL		858	
STAGE 2			
USH 63			
1264+00	RT	10	MCDONALDS
1268+37.44	LT	6	
1273+64.29 - 1273+78.08	LT	28	
1277+58.00 - 1277+62.90	RT	17	
1278+27.00 - 1278+32.48	RT	14	
VINE STREET			
19+25.00 - 19+50.99	LT & RT	52	
20+49.10 - 20+85.00	LT & RT	104	INC. DRIVEWAY
ASH STREET			
29+25.00 - 29+50.80	LT & RT	52	
30+49.05 - 30+85.00	LT & RT	72	
OAK STREET			
39+25.00 - 39+50.98	LT & RT	52	
40+49.20 - 40+80.00	LT & RT	64	
WALNUT STREET			
49+50.67 - 49+55.94	LT & RT	11	
50+40.00 - 50+70.00	LT & RT	60	
STAGE 2 SUBTOTAL		542	
STAGE 3			
USH 63			
1281+31.50 - 1281+48.9	LT	25	
1283+65.30	RT	5	
1283+92.10	RT	5	
1284+36.60 - 1284+45.6	RT	9	
1285+12.17 - 1285+20.64	RT	15	
1284+81.80 - 1285+34.10	LT	60	
ELM STREET			
59+25.00 - 59+50.92	LT & RT	52	
60+49.06 - 60+75.00	LT & RT	54	
PINE STREET			
69+25.00 - 69+50.67	LT & RT	52	
70+49.44 - 70+75.00	LT & RT	73	
CEDAR STREET			
79+15.00 - 79+50.72	LT & RT	64	
80+49.21 - 80+76.00	LT & RT	54	
HAZEL STREET			
89+15.00 - 89+50.89	LT & RT	72	
90+49.17 - 90+75.00	LT & RT	52	
STAGE 3 SUBTOTAL		592	
STAGE 4			
USH 63			
1305+47.23 - 1306+11.85	LT & RT	130	MEDIAN
SPRUCE STREET			
99+25.00 - 99+50.93	LT & RT	52	
100+49.16 - 100+75.00	LT & RT	52	
BALSAM STREET			
109+35.00 - 109+50.89	LT & RT	32	
110+49.10 - 110+70.00	LT & RT	42	
POPLAR STREET			
119+25.18 - 119+48.37	LT & RT	48	
120+48.83 - 120+73.83	LT & RT	29	
STAGE 4 SUBTOTAL		385	
ITEM TOTAL		2377	

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

CONSTRUCTION STAKING

STATION	LOCATION	650.6000 PIPE CULVERTS EACH
CATEGORY 0050		
STAGE 4		
NEW ROAD		
129+59.4	LT & RT	1
STAGE 4 SUBTOTAL		1
CATEGORY 0050 SUBTOTAL		1
ITEM TOTAL		1

CONSTRUCTION STAKING CONCRETE PAVEMENT

STATION	LOCATION	650.7000 LF
STAGE 1		
USH 63		
1261+59.9 - 1263+50.00	LT & RT	190
STH 70		
8+89.95 - 10+90.90	LT & RT	201
STAGE 1 SUBTOTAL		391
STAGE 2		
USH 63		
1263+50.00 - 1279+00.00	LT & RT	1550
VINE STREET		
19+50.99 - 20+49.10	LT & RT	98
ASH STREET		
29+50.80 - 30+49.05	LT & RT	98
OAK STREET		
39+50.98 - 40+49.20	LT & RT	98
WALNUT STREET		
49+55.95 - 50+40.00	LT & RT	84
STAGE 2 SUBTOTAL		1928
STAGE 3		
USH 63		
1279+00.00 - 1294+00.00	LT & RT	1500
ELM STREET		
59+50.92 - 60+49.06	LT & RT	98
PINE STREET		
69+50.67 - 70+49.44	LT & RT	99
CEDAR STREET		
79+50.72 - 80+49.21	LT & RT	99
HAZEL STREET		
89+50.89 - 90+49.17	LT & RT	98
STAGE 3 SUBTOTAL		1894
STAGE 4		
USH 63		
1294+00.00 - 1305+40.23	LT & RT	1140
SPRUCE STREET		
99+50.93 - 100+49.16	LT & RT	98
BALSAM STREET		
109+50.89 - 110+49.10	LT & RT	98
POPLAR STREET		
119+48.37 - 120+48.83	LT & RT	101
STAGE 4 SUBTOTAL		1437
ITEM TOTAL		5650

CONSTRUCTION STAKING

STATION	LOCATION	650.8000 RESURFACING REFERENCE LF
USH 63		
1248+55.00 - 1254+42.13	LT & RT	587
1255+57.15 - 1258+38.23	LT & RT	281
1258+38.23 - 1259+20.00	RT	82
ITEM TOTAL		950

CONSTRUCTION STAKING

STATION	LOCATION	650.8500 ELECTRICAL INSTALLATIONS (PROJECT) LS
USH 63		
1248+55.00 - 1310+68.73	LT & RT	1
ITEM TOTAL		1

CONSTRUCTION STAKING CURB RAMPS

STATION	LOCATION	650.9000 EACH
STAGE 1		
USH 63		
1261+97.7	LT	1
1261+97.7	RT	1
1263+05.9	LT	1
1263+15.9	RT	1
STH 70		
9+36.0	LT	1
9+36.0	RT	1
10+70.3	LT	1
10+70.3	RT	1
STAGE 1 SUBTOTAL		8
STAGE 2		
USH 63		
1266+03.5	LT	1
1266+03.5	RT	1
1266+72.4	LT	1
1266+72.4	RT	1
1269+85.3	LT	1
1269+85.8	RT	1
1270+60.1	LT	1
1270+60.7	RT	1
1273+72.8	LT	1
1273+72.8	RT	1
1274+47.3	LT	1
1274+47.7	RT	1
1277+67.6	LT	1
1277+67.9	RT	1
1278+22.3	LT	1
1278+23.3	RT	1
VINE STREET		
19+67.0	LT	1
19+67.0	RT	1
20+32.9	RT	1
20+33.1	LT	1
ASH STREET		
29+66.9	LT	1
29+67.1	RT	1
30+32.9	RT	1
30+33.0	LT	1
OAK STREET		
39+62.7	RT	1
39+66.9	LT	1
40+32.9	LT	1
40+33.1	RT	1
WALNUT STREET		
49+62.3	LT	1
49+62.3	RT	1
50+46.0	LT	1
50+46.0	RT	1
STAGE 2 SUBTOTAL		32
STAGE 3		
USH 63		
1281+43.2	RT	1
1281+43.5	LT	1
1282+18.4	LT	1
1282+18.1	RT	1
1285+28.2	LT	1
1285+28.3	RT	1
1286+03.1	LT	1
1286+28.2	RT	1
1289+15.3	LT	1
1289+13.7	RT	1
1289+90.2	LT	1
1289+88.6	RT	1

CONSTRUCTION STAKING CURB RAMPS (CONT'D)

STATION	LOCATION	650.9000 EACH
1293+01.7	LT	1
1293+01.5	RT	1
1293+76.6	LT	1
1293+76.4	RT	1
ELM STREET		
59+67.0	RT	1
59+67.1	LT	1
60+33.0	LT	1
60+33.0	RT	1
PINE STREET		
69+66.8	LT	1
69+67.2	RT	1
70+32.7	RT	1
70+33.3	LT	1
CEDAR STREET		
79+66.8	LT	1
79+67.2	RT	1
80+32.9	LT	1
80+33.1	RT	1
HAZEL STREET		
89+66.9	RT	1
89+67.1	LT	1
90+32.9	RT	1
90+33.1	LT	1
STAGE 3 SUBTOTAL		32
STAGE 4		
USH 63		
1296+87.3	LT	1
1296+87.7	RT	1
1297+62.2	LT	1
1297+62.2	RT	1
1300+73.5	LT	1
1300+73.6	RT	1
1301+48.4	LT	1
1301+48.5	RT	1
1304+59.7	LT	1
1304+59.8	RT	1
1305+26.6	LT	1
1305+25.8	RT	1
SPRUCE STREET		
99+67.0	LT	1
99+67.0	RT	1
100+32.9	RT	1
100+33.1	LT	1
BALSAM STREET		
109+66.9	RT	1
109+67.1	LT	1
110+32.9	RT	1
110+33.1	LT	1
POPLAR STREET		
119+56.1	LT	1
119+65.6	RT	1
120+32.9	RT	1
120+38.8	LT	1
STAGE 4 SUBTOTAL		24
ITEM TOTALS		96

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

CONSTRUCTION STAKING

STATION	LOCATION	650.9910 SUPPLEMENTAL CONTROL (PROJECT) LS
USH 63		
1248+55.00 - 1310+68.73	LT & RT	1
ITEM TOTAL		1

PULL BOXES

NO.	653.0164 PULL BOXES NON-CONDUCTIVE 24X42-INCH EACH
CATEGORY 0030	
LPB1	1
LPB2	1
LPB3	1
LPB4	1
LPB5	1
LPB6	1
LPB7	1
LPB8	1
LPB9	1
LPB10	1
LPB11	1
LPB12	1
LPB13	1
LPB14	1
LPB15	1
LPB16	1
LPB17	1
LPB18	1
LPB19	1
LPB20	1
LPB21	1
LPB22	1
LPB23	1
LPB24	1
LPB25	1
LPB26	1
LPB27	1
LPB28	1
LPB29	1
LPB30	1
LPB31	1
LPB32	1
LPB33	1
LPB34	1
LPB35	1
LPB36	1
LPB37	1
LPB38	1
LPB39	1
LPB40	1
LPB41	1
LPB42	1
LPB43	1
LPB44	1
LPB45	1
LPB46	1
LPB47	1
LPB48	1
LPB49	1
LPB50	1
CATEGORY 0030 SUBTOTAL	50
ITEM TOTAL	50

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

SAWING

STATION	LOCATION	690.0150 ASPHALT LF	690.0250 CONCRETE LF
USH 63			
1248+55.00	LT & RT	26	
1252+28.30	LT	73	
1254+42.13	LT & RT		47
1255+57.15	LT & RT		47
1258+38.2	LT	22	
1258+38.2 - 1262+90.73	C/L & RT		480
1259+54.02 - 1260+40.10	RT	87	
1259+72.2	LT	110	
1261+09.94 - 1262+04.97	RT	95	
1263+26.57	LT		5
1263+60.2	LT	9	
1263+97.8	RT	32	
1264+45.6	LT	51	
1264+53.8 - 1266+05.74	RT	168	
1266+73.21 - 1266+97.40	LT	29	4
1266+75.64 - 1267+46.63	RT	69	
1267+42.46	LT		3
1267+83.82 - 1268+37.95	LT	55	
1267+92.04 - 1269+92.75	RT	208	
1269+19.91	LT		15
1270+58.73 - 1271+04.44	LT	56	
1270+64.70 - 1273+58.94	RT	325	
1272+16.9	LT	68	
1274+82.4	RT	18	
1274+96.1	LT	69	
1275+25.33	RT	27	
1276+02.4	LT	27	
1276+02.8	RT	20	
1278+19.16 - 1278+61.81	LT	43	
1279+77.86 - 1280+83.26	RT	115	
1279+87.9	LT	18	
1280+75.7	LT	52	
1283+34.86 - 1285+26.10	LT	205	
1283+77.9	RT	24	
1284+41.13	RT	9	
1285+15.65	RT	9	
1286+42.93	RT		6
1287+58.4	RT	17	
1287+52.81 - 1289+22.22	LT	127	56
1288+46.14 - 1289+25.62	RT	88	
1290+19.11	RT		3
1290+44.2	RT	11	
1290+58.3	LT	19	
1290+69.77	RT		4
1291+23.48	RT		3
1291+45.1	RT	16	
1291+45.9	LT	16	
1291+71.20	RT		4
1291+75.74	LT		3
1292+27.38	LT		3
1292+50.8	LT	10	
1292+51.2	RT	12	
1292+72.91	LT		4
1292+80.11	RT		6
1294+22.6	RT	9	
1294+42.71	RT		3
1294+87.80	LT		3
1295+03.31	RT		4
1295+08.5	LT		11
1295+31.7	RT	18	
1295+31.9	LT	14	
1295+63.98	LT		4
1295+81.9	LT	12	
1296+38.4	RT		4
1296+18.44 - 1296+94.47	LT	76	
1297+61.73 - 1298+40.48	LT	82	
1298+26.69	RT		3
1298+76.57	LT		4
1298+93.8	RT	16	

SAWING (CONT'D)

STATION	LOCATION	690.0150 ASPHALT LF	690.0250 CONCRETE LF
1299+17.8	LT	13	
1299+17.8	RT	16	
1299+47.13	RT		3
1299+51.20	LT		3
1300+02.56	LT		5
1300+16.0	RT	24	
1300+23.2	LT	11	
1300+32.41 - 1300+78.51	RT	46	
1300+53.59	LT		4
1301+59.57 - 1304+70.88	RT	290	
1302+42.32	LT		
1303+04.1	LT	44	
1303+34.81	LT		3
1303+71.9	LT	13	
1304+35.70	LT		3
1306+08.54 - 1307+64.44	RT	158	
1306+59.83 - 1307+68.10	LT	108	
1309+16.2	RT	38	
1310+68.73	LT & RT	34	
GREENWOOD AVENUE			
0+50.64	LT & RT	27	
LINN STREET			
4+50.75	LT & RT	36	
STH 70			
9+49.94	LT & RT	45	18
10+62.32	LT & RT	45	
VINE STREET			
19+25.00	LT & RT	25	
19+25.00 - 19+50.99	LT	25	
20+54.5	RT	24	
20+49.10 - 20+85.00	LT	35	
20+85.00	LT & RT	40	
ASH STREET			
29+25.00	LT & RT	41	
29+35.5	LT	13	
30+68.3	LT	40	
30+68.3	RT	36	
30+85.00	LT & RT	41	
OAK STREET			
39+25.00	LT & RT	41	
40+49.20 - 40+80.00	RT	25	
40+80.00	LT & RT	53	
WALNUT STREET			
49+50.67	LT & RT	29	
50+70.00	LT & RT	32	
ELM STREET			
59+25.00	LT & RT	41	
60+75.00	LT & RT	52	
PINE STREET/CTH K			
69+25.00	LT & RT	41	
69+38.2	RT	25	
70+75.00	LT & RT	41	
CEDAR STREET			
79+15.00	LT & RT	44	
79+15.00 - 79+58.35	RT	42	
80+58.3	RT	27	
80+76.00	LT & RT	32	
HAZEL STREET			
89+15.00	LT & RT	41	
90+75.00	LT & RT	41	
SPRUCE STREET			
99+25.00	LT & RT	39	
99+26.8	LT	50	
99+43.0	RT	35	
100+75.00	LT & RT	41	
BALSAM STREET			
109+35.00	LT & RT	41	
110+54.7	RT	31	
110+70.00	LT & RT	41	
POPLAR STREET			
119+25.18	LT & RT	41	
120+40.47 - 120+73.83	RT	34	
120+73.83	LT & RT	36	
NEW ROAD			
128+15.24	LT & RT	35	
128+15.24 - 129+00.98	RT	94	
ITEM TOTALS		5055	768

ROOF DRAIN FLUME

STATION	LOCATION	SPV.0035.01 CY
STAGE 3		
USH 63		
1283+02	RT	1.5
STAGE 3 SUBTOTAL		1.5
ITEM TOTAL		1.5

LIGHTING CONTROL CABINET

CABINET	SPV 0060.04 CONCRETE CONTROL CABINET BASE TYPE SPECIAL EACH	SPV 0060.05 LIGHTING CONTROL CABINET TYPE SPECIAL EACH
CATEGORY 0030		
LCC-A	1	1
CATEGORY 0030 SUBTOTAL	1	1
ITEM TOTAL	1	1

TEMPORARY STORM SEWER CONNECTION

STATION	LOCATION	SPV.0060.02 EACH
CATEGORY 0040		
STAGE 1		
USH 63		
1263+50	13.0' LT	1
STAGE 1 SUBTOTAL		1
STAGE 2		
USH 63		
1279+00	13.0' RT	1
STAGE 2 SUBTOTAL		1
STAGE 3		
USH 63		
1294+00	13.0' RT	1
STAGE 3 SUBTOTAL		1
CATEGORY 0040 SUBTOTAL		3
ITEM TOTAL		3

MODULAR BLOCK RETAINING WALL

STATION	LOCATION	SPV.0165.01 SF
USH 63		
1269+76.7 - 1269+93.2	LT	30
ITEM TOTAL		30

3

LIGHTING UNIT ITEMS

LIGHTING UNIT NO.	SPV 0060.03 CONCRETE BASE TYPE SPECIAL EACH	SPV 0060.06 LIGHTING UNIT TYPE SPECIAL EACH	SPV 0060.07 SALVAGE AND REINSTALL LIGHTING UNIT EACH	SPV 0060.08 SALVAGE AND/OR DISPOSAL OF LIGHTING UNIT EQUIPMENT EACH	204.9060.S REMOVING LIGHTING UNIT EACH
CATEGORY 0030					
X-1					1
X-2				1	
X-3				1	
X-4				1	
X-7					
X-8				1	
X-9					1
X-10				1	
X-11				1	
X-12				1	
X-13				1	
X-14				1	
X-15				1	
X-16				1	
X-19				1	
X-20				1	
X-21				1	
LCC-A-1	1	1			
LCC-A-2	1	1			
LCC-A-3	1	1			
LCC-A-4	1	1			
LCC-A-5	1	1			
LCC-A-6	1	1			
LCC-A-7	1	1			
LCC-A-8	1	1			
LCC-A-9	1	1			
LCC-A-10	1	1			
LCC-A-11	1	1			
LCC-A-12	1	1			
LCC-A-13	1	1			
LCC-A-14	1	1			
LCC-A-15	1	1			
LCC-A-16	1	1			
LCC-A-17	1	1			
LCC-A-18	1	1			
LCC-A-19	1	1			
LCC-A-20	1	1			
LCC-A-21	1	1			
LCC-A-22	1	1			
LCC-A-23	1	1			
LCC-A-24	1	1			
LCC-A-25	1	1			
LCC-A-26	1	1			
LCC-A-27	1	1			
LCC-A-28	1	1			
LCC-A-29	1	1			
LCC-A-30	1	1			
LCC-A-31	1	1			
LCC-A-32	1	1			
LCC-A-33	1	1			
LCC-A-34	1	1			
LCC-A-35	1	1			
LCC-A-36	1	1			
LCC-A-37	1	1			
LCC-A-38	1	1			
LCC-A-39	1	1			
LCC-A-40	1	1			
LCC-A-41	1	1			
LCC-A-42	1	1			
LCC-B-1	1		1		
CATEGORY 0030 SUBTOTAL	43	42	1	14	2
ITEM TOTAL	43	42	1	14	2

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0030, UNLESS OTHERWISE NOTED.

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LIGHTING ELECTRICAL WIRE AND CONDUIT ITEMS

FROM	TO	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF	655.0610 ELECTRICAL WIRE LIGHTING 12 AWG LF	655.0625 ELECTRICAL WIRE LIGHTING 6 AWG LF	655.0630 ELECTRICAL WIRE LIGHTING 4 AWG LF
CATEGORY 0030						
LCC-A	LPB40		36		264	264
LPB40	LCC-A-35	42		183	156	156
LCC-A-35	LPB41	155			495	495
LPB41	LPB42	42			416	156
LPB42	LCC-A-36	215		183	675	675
LCC-A-36	LPB43	142			456	456
LPB43	LPB44	45			165	165
LPB44	LCC-A-37	27		183	111	111
LCC-A-37	LCC-A-38	201		183	633	633
LCC-A-38	LPB45	128			414	414
LPB45	LPB46	45			165	165
LPB46	LCC-A-39	32		183	126	126
LCC-A-39	LCC-A-40	202		183	636	636
LCC-A-40	LPB47	128			414	414
LPB47	LPB48	42			156	156
LPB48	LCC-A-41	35		183	135	135
LCC-A-41	LCC-A-42	195		183	615	615
LCC-A-42	LPB49	118		118		
LPB49	LPB50	72		72		
LPB40	LCC-A-34	169		183	537	537
LCC-A-34	LPB39	36			138	138
LPB39	LPB38	44			162	162
LPB38	LCC-A-33	126		183	408	408
LCC-A-33	LCC-A-32	202		183	636	636
LCC-A-32	LPB37	29			117	117
LPB37	LPB36	46			168	168
LPB36	LCC-A-31	120		183	390	390
LCC-A-31	LCC-A-30	203		183	639	639
LCC-A-30	LPB35	28			114	114
LPB35	LPB34	45			165	165
LPB34	LCC-A-29	123		183	399	399
LCC-A-29	LCC-A-28	203		183	639	639
LCC-A-28	LPB33	28			114	114
LPB33	LPB32	45			165	165
LPB32	LCC-A-27	118		183	384	384
LCC-A-27	LCC-A-26	207		183	651	651
LCC-A-26	LPB31	28			114	114
LPB31	LPB30	47			171	171
LPB30	LCC-A-25	125		183	405	405
LCC-A-25	LCC-A-24	196		183	618	618
LCC-A-24	LPB29	28			114	114
LPB29	LPB28	45			165	165
LPB28	LCC-A-23	125		183	405	405
LCC-A-23	LCC-A-22	195		183	615	615
LCC-A-22	LPB27	44			162	162
LPB27	LPB26	45			165	165
LPB26	LCC-A-21	40		183	150	150
LPB40	LPB11		56		396	396

LIGHTING ELECTRICAL WIRE AND CONDUIT ITEMS (CONT'D)

FROM	TO	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF	655.0610 ELECTRICAL WIRE LIGHTING 12 AWG LF	655.0625 ELECTRICAL WIRE LIGHTING 6 AWG LF	655.0630 ELECTRICAL WIRE LIGHTING 4 AWG LF
LPB11	LPB10	149			477	477
LPB10	LPB9	40			300	150
LPB9	LCC-A-7	107		183	351	351
LCC-A-7	LCC-A-6	209		183	657	657
LCC-A-6	LPB8	32			126	126
LPB8	LPB7	48			174	174
LPB7	LCC-A-5	126		183	408	408
LCC-A-5	LCC-A-4	197		183	621	621
LCC-A-4	LPB6	28			114	114
LPB6	LPB5	48			174	174
LPB5	LCC-A-3	130		183	420	420
LCC-A-3	LCC-A-2	195		183	615	615
LCC-A-2	LPB4	25			105	105
LPB4	LPB3	50			180	180
LPB3	LCC-A-1	113		183	369	369
LCC-A-1	LPB2	228		228		
LPB2	LPB1	65		65		
LPB11	LCC-A-8	79		183	267	267
LCC-A-8	LPB12	124			402	402
LPB12	LPB13	48			174	174
LPB13	LCC-A-9	28		183	114	114
LCC-A-9	LCC-A-10	197		183	621	621
LCC-A-10	LPB12	123			399	399
LPB12	LPB13	48			174	174
LPB13	LCC-A-9	32		183	126	126
LCC-A-9	LCC-A-10	188		183	594	594
LCC-A-10	LPB14	130			420	420
LPB14	LPB15	45			165	165
LPB15	LCC-A-11	29		183	117	117
LCC-A-11	LCC-A-12	190		183	600	600
LCC-A-12	LPB16	131			423	423
LPB16	LPB17	48			174	174
LPB17	LCC-A-13	27		183	111	111
LCC-A-13	LCC-A-14	190		183	600	600
LCC-A-14	LPB18	131			423	423
LPB18	LPB19	48			174	174
LPB19	LCC-A-15	26		183	108	108
LCC-A-15	LCC-A-16	195		183	615	615
LCC-A-16	LPB20	127			411	411
LPB20	LPB21	48			174	174
LPB21	LCC-A-17	31		183	123	123
LCC-A-17	LCC-A-18	179		183	567	567
LCC-A-18	LPB22	145			465	465
LPB22	LPB23	45			165	165
LPB23	LCC-A-19	38		183		
LCC-A-19	LCC-A-20	179		183		
LCC-A-20	LPB24	145		145		
LPB24	LPB25	45		45		
LPB9	X5	15			75	
LPB10	LCC-B-1	17			81	
LPB42	X18	10			100	
LPB41	X17	10			100	
CATEGORY 0030 SUBTOTAL		9437	92	8725	29227	28461
ITEM TOTALS		9437	92	8725	29227	28461

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0030, UNLESS OTHERWISE NOTED.

CONCRETE BASE REMOVALS

EXISTING BASE NUMBER	*204.0195 REMOVING CONCRETE BASES EACH
USH 63 & WALNUT ST	
SB1	1
SB2	1
SB3	1
SB4	1
CB1	1
INTERSECTION TOTAL	5
USH 63 & STH 70	
SB1	1
SB2	1
SB3	1
SB4	1
SB5	1
SB6	1
SB7	1
SB8	1
CB1	1
CB2	1
INTERSECTION TOTAL	10
ITEM TOTALS	**15**

* Items shown elsewhere in the plans

PULL BOX REMOVALS

EXISTING PULL BOX NUMBER	653.0905 REMOVING PULL BOXES EACH
USH 63 & WALNUT ST	
PB1	1
PB2	1
PB3	1
PB4	1
PB5	1
PB6	1
PB7	1
PB8	1
PB9	1
INTERSECTION TOTAL	9
USH 63 & STH 70	
PB1	1
PB2	1
PB3	1
PB4	1
PB5	1
PB6	1
PB7	1
PB8	1
PB9	1
PB10	1
PB11	1
PB12	1
PB13	1
INTERSECTION TOTAL	13
ITEM TOTALS	**22**

CONDUIT

FROM	TO	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF	652.0605 CONDUIT SPECIAL 2-INCH LF	671.0112 CONDUIT HDPE 1-DUCT 2-INCH LF	671.0122 CONDUIT HDPE 2-DUCT 2-INCH LF	671.0212 CONDUIT HDPE DIRECTIONAL BORE 1-DUCT 2-INCH LF
USH 63 & HAZEL ST							
PB1	PB2	--	42	--	--	--	--
PB1	PB3	--	120	--	--	--	--
PB3	PB4	--	40	--	--	--	--
PB4	PB5	174	--	--	--	--	--
PB4	PB6	--	110	--	--	--	--
PB6	PB7	--	42	--	--	--	--
PB7	PB8	--	40	--	--	--	--
PB7	PB9	--	120	--	--	--	--
PB9	PB10	--	46	--	--	--	--
PB10	PB11	172	--	--	--	--	--
PB10	PB12	--	108	--	--	--	--
PB12	PB1	--	42	--	--	--	--
INTERSECTION TOTAL		346	710	0		0	0
USH 63 & WALNUT ST							
CB1	PB1	--	18	--	--	--	--
PB1	PB2	--	44	--	--	--	--
PB1	PB11	--	15	--	--	--	--
PB2	PB3	171	--	--	--	--	--
PB2	PB4	--	112	--	--	--	--
PB4	PB5	--	42	--	--	--	--
PB5	PB6	--	78	--	--	--	--
PB6	PB7	--	48	--	--	--	--
PB7	PB8	170	--	--	--	--	--
PB7	PB9	--	108	--	--	--	--
PB9	PB10	--	54	--	--	--	--
PB10	PB11	--	70	--	--	--	--
PB11	CB1	--	12	--	--	--	--
PB1	SB1	4	--	--	--	--	--
PB2	SB2	9	--	--	--	--	--
PB4	SB3	--	6	--	--	--	--
PB5	SB4	10	--	--	--	--	--
PB6	SB5	11	--	--	--	--	--
PB7	SB6	6	--	--	--	--	--
PB9	SB7	--	5	--	--	--	--
PB10	SB8	11	--	--	--	--	--
INTERSECTION TOTAL		392	612	0		0	0
USH 63 & STH 70							
CB1	PB1	--	15	--	--	--	--
PB1	PB3	9	--	--	--	--	--
PB1	PB6	--	110	--	--	--	--
PB2	PB3	6	--	--	--	--	--
PB3	PB4	242	--	--	--	--	--
PB4	PB5	--	--	58	--	--	--
PB6	PB7	--	184	--	--	--	--
PB7	PB8	288	--	--	--	--	--
PB7	PB9	--	118	--	--	--	--
PB9	PB10	--	96	--	--	--	--
PB10	PB11	70	--	--	--	--	--
PB10	PB13	--	146	--	--	--	--
PB11	PB12	125	--	--	--	--	--
PB13	PB14	--	112	--	--	--	--
PB14	PB15	155	--	--	--	--	--
PB14	PB16	--	116	--	--	--	--
PB16	PB17	--	150	--	--	--	--
PB17	CB1	--	24	--	--	--	--
PB6	SB1	--	10	--	--	--	--
PB6	SB2	25	--	--	--	--	--
PB7	SB3	24	--	--	--	--	--
PB9	SB4	--	19	--	--	--	--
PB10	SB5	17	--	--	--	--	--
PB10	SB6	16	--	--	--	--	--
PB13	SB7	--	21	--	--	--	--
PB13	SB8	8	--	--	--	--	--
PB14	SB9	24	--	--	--	--	--
PB16	SB10	--	12	--	--	--	--
PB16	SB11	36	--	--	--	--	--
PB17	SB12	4	--	--	--	--	--
PB4	LB1	4	--	--	--	--	--
PB8	LB2	17	--	--	--	--	--
PB12	LB3	7	--	--	--	--	--
INTERSECTION TOTAL		1077	1133	58		0	0

CONDUIT

FROM	TO	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF	652.0605 CONDUIT SPECIAL 2-INCH LF	671.0112 CONDUIT HDPE 1-DUCT 2-INCH LF	671.0122 CONDUIT HDPE 2-DUCT 2-INCH LF	671.0212 CONDUIT HDPE DIRECTIONAL BORE 1-DUCT 2-INCH LF
INTERCONNECT							
PB2	CV1	--	--	--	--	200	--
PB2	CINC VAULT 2	--	--	--	--	30	--
PB2	CB1 (STH 70)	6	--	--	--	--	--
PB5	CINC VAULT 1	--	--	--	--	--	250
PB16	CV1	--	--	--	17	--	--
CV1	CV2	--	--	--	--	3000	--
CV2	PB4	--	--	--	12	--	--
CV2	CV3	--	--	--	--	2900	--
CV3	PB4	18	--	--	--	--	--
INTERCONNECT TOTAL		24	0	0	29	5930	250
ITEM TOTALS		**1839**	**2455**	**58**	**29**	**5930**	**250**

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

LOOP DETECTOR SCHEDULE

LOOP NUMBER	HOME RUN PB	STATION	LOCATION	SIZE (FT)X(FT)	NO. OF TURNS	PAVEMENT TYPE	SDD INSTALLATION REFERENCE	652.0800 CONDUIT LOOP DETECTOR LF	*655.0700 LOOP DETECTOR LEAD IN CABLE LF	655.0800 LOOP DETECTOR WIRE LF
USH 63 & HAZEL ST										
11	PB4	1292+69.3 'RS'	-	6X20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	114	--	342
12	PB4	1292+97.3 'RS'	-	6X20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	104	--	312
21	PB11	1295+58.5 'RS'	14.5', LT	6X6	4	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	44	--	176
31	PB2	90+65.0 'HE'	-	6X20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	102	--	306
32	PB2	90+37.0 'HE'	-	6X20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	102	--	306
41	PB8	89+35.3 'HW'	12.0', RT	6X20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	82	--	246
42	PB8	89+63.3 'HW'	12.0', RT	6X20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	82	--	246
51	PB10	1294+09.1 'RS'	-	6X20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	108	--	324
52	PB10	1293+81.1 'RS'	-	6X20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	102	--	306
61	PB5	1291+19.5 'RS'	14.5', RT	6X6	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	42	--	126
71	PB8	89+35.3 'HW'	-	6X20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	104	--	312
72	PB8	89+63.5 'HW'	-	6X20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	104	--	312
81	PB2	90+65.0 'HE'	12.0', LT	6X20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	80	--	240
82	PB2	90+37.0 'HE'	12.0', LT	6X20	4	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	80	--	320
							INTERSECTION TOTAL	1250	0	3874
USH 63 & WALNUT ST										
11	PB7	1277+37.7 'RS'	-	6X20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	114	145	342
12	PB7	1277+65.7 'RS'	-	6X20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	106	145	318
21	PB3	1280+03.6 'RS'	14.5', LT	6X6	4	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	46	225	184
51	PB2	1278+52.9 'RS'	-	6X20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	118	54	354
52	PB2	1278+25.0 'RS'	-	6X20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	108	54	324
61	PB8	1275+86.9 'RS'	14.5', RT	6X6	4	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	46	315	184
							INTERSECTION TOTAL	538	938	1706
USH 63 & STH 70										
11	PB7	1261+66.7 'RS'	-	6X20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	102	130	306
12	PB7	1261+94.7 'RS'	-	6X20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	102	130	306
21	PB15	1264+86.7 'RS'	14.5', LT	6X6	4	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	42	258	168
31	PB3	11+01.3 'MS'	-	6X20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	102	68	306
32	PB3	10+73.3 'MS'	-	6X20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	102	68	306
41	PB11	9+05.0 'MS'	11.0', RT	6X20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	76	204	228
42	PB11	9+33.0 'MS'	11.0', RT	6X20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	76	204	228
51	PB14	1263+36.6 'RS'	-	6X20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	100	89	300
52	PB14	1263+08.7 'RS'	-	6X20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	100	89	300
61	PB8	1260+16.7 'RS'	15.6', RT	6X6	4	ASPHALT	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	46	297	184
71	PB11	9+05.0 'MS'	-	6X20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	98	204	294
72	PB11	9+33.0 'MS'	-	6X20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	98	204	294
81	PB3	11+01.4 'MS'	11.0', LT	6X20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	82	68	246
82	PB3	10+73.3 'MS'	11.0', LT	6X20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	82	68	246
							INTERSECTION TOTAL	1208	2061	3712
							ITEM TOTALS	**2996**	**3019**	**9292**

* ITEMS SHOWN ELSEWHERE IN THE PLANS

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

PULL BOXES NON-CONDUCTIVE

PULL BOX NUMBER	STATION	LOCATION	653.0154 PULL BOXES NON-CONDUCTIVE 24 X 36 - INCH EACH	653.0164 PULL BOXES NON-CONDUCTIVE 24 X 42 - INCH EACH	673.0105 COMMUNICATIONS VAULT TYPE 1 EACH
USH 63 & HAZEL ST					
PB1	1293+63.5 'RS'	40.6', RT	--	1	--
PB2	1293+63.5 'RS'	61.0', RT	1	--	--
PB3	1293+13.1 'RS'	40.6', RT	--	1	--
PB4	1292+89.8 'RS'	26.0', RT	--	1	--
PB5	1291+13.6 'RS'	26.1', RT	1	--	--
PB6	1292+89.8 'RS'	25.9', LT	--	1	--
PB7	1293+13.1 'RS'	44.5', LT	--	1	--
PB8	1293+15.5 'RS'	61.4', LT	1	--	--
PB9	1293+62.5 'RS'	44.4', LT	--	1	--
PB10	1293+92.2 'RS'	25.9', LT	--	1	--
PB11	1295+59.4 'RS'	26.0', LT	1	--	--
PB12	1293+92.2 'RS'	26.1', RT	--	1	--
	INTERSECTION TOTAL		4	8	0
USH 63 & WALNUT ST					
PB1	1278+18.0 'RS'	44.9', LT	--	1	--
PB2	1278+32.6 'RS'	28.5', LT	--	1	--
PB3	1280+09.4 'RS'	26.6', LT	1	--	--
PB4	1278+33.7 'RS'	27.1', RT	--	1	--
PB5	1278+18.3 'RS'	39.9', RT	--	1	--
PB6	1277+77.9 'RS'	40.1', RT	--	1	--
PB7	1277+57.2 'RS'	27.0', RT	--	1	--
PB8	1275+60.8 'RS'	26.6', RT	1	--	--
PB9	1277+58.0 'RS'	26.6', LT	--	1	--
PB10	1277+77.8 'RS'	43.6', LT	--	1	--
PB11	1278+12.7 'RS'	44.7', LT	--	1	--
	INTERSECTION TOTAL		2	9	0
USH 63 & STH 70					
PB1	10+88.8 'MS'	27.0', LT	--	1	--
PB2	10+91.7 'MS'	31.1', LT	--	1	--
PB3	10+97.3 'MS'	28.0', LT	1	--	--
PB4	12+19.2 'MS'	27.1', LT	--	1	--
PB5	12+72.4 'MS'	29.3', LT	--	1	--
PB6	10+88.8 'MS'	27.7', RT	--	1	--
PB7	1261+71.0 'RS'	27.2', RT	--	1	--
PB8	1260+24.8 'RS'	26.0', RT	1	--	--
PB9	1261+71.5 'RS'	31.6', LT	--	1	--
PB10	1262+15.5 'RS'	51.2', LT	--	1	--
PB11	9+09.0 'MS'	25.7', RT	1	--	--
PB12	7+86.3 'MS'	26.6', RT	1	--	--
PB13	1262+90.7 'RS'	52.6', LT	--	1	--
PB14	1263+32.6 'RS'	26.3', LT	--	1	--
PB15	1264+92.7 'RS'	26.1', LT	1	--	--
PB16	1263+32.7 'RS'	31.6', RT	--	1	--
PB17	10+76.9 'MS'	31.7', LT	--	1	--
	INTERSECTION TOTAL		5	12	0
INTERCONNECT					
CV1	1263+49.1 'RS'	28.1', RT	--	--	1
CV2	1278+45.9 'RS'	29.5', RT	--	--	1
CV3	1292+72.5 'RS'	29.9', RT	--	--	1
	INTERCONNECT TOTAL		0	0	3
	ITEM TOTALS		**11**	**29**	**3**

CONCRETE BASES

BASE NUMBER	STATION	LOCATION	654.0101 CONCRETE BASES TYPE 1 EACH	654.0105 CONCRETE BASES TYPE 5 EACH	654.0110 CONCRETE BASES TYPE 10 EACH	654.0113 CONCRETE BASES TYPE 13 EACH	654.0120 CONCRETE BASES TYPE 10-SPECIAL EACH	654.0217 CONCRETE CONTROL CABINET BASES TYPE 9 SPECIAL EACH
USH 63 & WALNUT ST								
SB1	1278+19.2 'RS'	41.0', LT	1	--	--	--	--	--
SB2	1278+26.8 'RS'	34.8', LT	1	--	--	--	--	--
SB3	1278+27.8 'RS'	27.3', RT	--	--	1	--	--	--
SB4	1278+20.2 'RS'	49.4', RT	1	--	--	--	--	--
SB5	1277+72.5 'RS'	49.3', RT	1	--	--	--	--	--
SB6	1277+62.5 'RS'	27.5', RT	1	--	--	--	--	--
SB7	1277+62.4 'RS'	29.4', LT	--	--	1	--	--	--
SB8	1277+72.3 'RS'	34.4', LT	1	--	--	--	--	--
CB1	1278+13.1 'RS'	48.7', LT	--	--	--	--	--	1
	INTERSECTION TOTAL		6	0	2	0	0	1
USH 63 & STH 70								
SB1	10+80.2 'MS'	31.1', RT	--	--	--	1	--	--
SB2	10+67.2 'MS'	37.0', RT	1	--	--	--	--	--
SB3	1261+94.1 'RS'	32.6', RT	1	--	--	--	--	--
SB4	1261+88.8 'RS'	36.6', LT	--	--	--	--	1	--
SB5	1262+00.8 'RS'	42.9', LT	1	--	--	--	--	--
SB6	9+32.1 'MS'	27.9', RT	1	--	--	--	--	--
SB7	9+26.2 'MS'	34.2', LT	--	--	--	1	--	--
SB8	9+39.4 'MS'	38.7', LT	1	--	--	--	--	--
SB9	1263+09.4 'RS'	32.7', LT	1	--	--	--	--	--
SB10	1263+21.5 'RS'	35.3', RT	--	--	--	--	1	--
SB11	1263+01.9 'RS'	42.9', RT	1	--	--	--	--	--
SB12	10+73.8 'MS'	29.7', LT	1	--	--	--	--	--
LB1	12+23.2 'MS'	28.9', LT	--	1	--	--	--	--
LB2	1260+41.6 'RS'	26.8', LT	--	1	--	--	--	--
LB3	7+79.0 'MS'	26.4', RT	--	1	--	--	--	--
CB1	10+84.6 'MS'	29.9', LT	--	--	--	--	--	1
	INTERSECTION TOTAL		8	3	0	2	2	1
	ITEM TOTALS		**14**	**3**	**2**	**2**	**2**	**2**

TRAFFIC SIGNAL CABLE NO. 14 (BELOW GROUND)

FROM	TO	*655.0240 CABLE TRAFFIC SIGNAL 7 - 14 AWG LF	655.0260 CABLE TRAFFIC SIGNAL 12 - 14 AWG LF	*655.0700 LOOP DETECTOR LEAD IN CABLE LF
USH 63 & WALNUT ST				
CB1	SB1	37	--	37
CB1	SB2	--	80	80
CB1	SB3	--	149	149
CB1	SB4	190	--	190
CB1	SB5	246	--	246
CB1	SB6	--	201	201
CB1	SB7	--	130	130
CB1	SB8	93	--	93
	INTERSECTION TOTAL	566	560	1126
USH 63 & STH 70				
CB1	SB1	--	113	113
CB1	SB2	128	--	128
CB1	SB3	--	235	235
CB1	SB4	--	305	305
CB1	SB5	367	--	367
CB1	SB6	--	366	366
CB1	SB7	--	293	293
CB1	SB8	280	--	280
CB1	SB9	--	224	224
CB1	SB10	--	138	138
CB1	SB11	162	--	162
CB1	SB12	--	39	39
	INTERSECTION TOTAL	937	1713	2650
	ITEM TOTALS	**1503**	**2273**	**3776**

* ITEMS SHOWN ELSEWHERE IN THE PLANS

LIGHTING WIRE

FROM	TO	655.0320 CABLE TYPE UF 2 - 10 AWG GROUNDED LF	655.0610 ELECTRICAL WIRE LIGHTING 12 AWG LF
USH 63 & WALNUT ST			
CB1	SB3	149	--
SB3	LUMIN	--	123
CB1	SB7	130	--
SB7	LUMIN	--	123
	INTERSECTION TOTAL	279	246
USH 63 & STH 70			
CB1	LB1	195	--
LB1	LUMIN	--	123
LB1	SB1	268	--
SB1	LUMIN	--	123
SB1	LB2	319	--
LB2	LUMIN	--	123
LB2	SB4	295	--
SB4	LUMIN	--	123
CB1	SB10	138	--
SB10	LUMIN	--	123
SB10	SB7	190	--
SB7	LUMIN	--	123
SB7	LB3	317	--
LB3	LUMIN	--	123
	INTERSECTION TOTAL	1722	861
	ITEM TOTALS	**2001**	**1107**

TRAFFIC SIGNAL EVP DETECTOR CABLE

FROM	TO	655.0900 TRAFFIC SIGNAL EVP DETECTOR CABLE LF
USH 63 & WALNUT ST		
CB1	SB3 (HEAD B)	204
CB1	SB7 (HEAD A)	185
INTERSECTION TOTAL		389
USH 63 & STH 70		
CB1	SB10 (HEAD B)	203
CB1	SB4 (HEAD A)	370
CB1	SB1 (HEAD C)	173
CB1	SB7 (HEAD D)	353
INTERSECTION TOTAL		1099
ITEM TOTALS		**1488**

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

TRAFFIC SIGNAL CABLE NO. 14 (ABOVE GROUND)

FROM	TO	655.0230 CABLE TRAFFIC SIGNAL 5 - 14 AWG LF	*655.0240 CABLE TRAFFIC SIGNAL 7 - 14 AWG LF
USH 63 & WALNUT ST			
SB1	HEAD 21	15	--
SB2	HEAD 4	--	22
SB2	HEAD 6	21	--
SB2	HEAD 43	15	--
SB3	HEAD 2	35	--
SB3	HEAD 3	24	--
SB3	HEAD 5	--	50
SB3	HEAD 44	15	--
SB4	HEAD 62	15	--
SB5	HEAD 61	15	--
SB6	HEAD 1	21	--
SB6	HEAD 9	--	22
SB6	HEAD 41	15	--
SB7	HEAD 7	36	--
SB7	HEAD 8	24	--
SB7	HEAD 10	--	50
SB7	HEAD 42	15	--
SB8	HEAD 22	15	--
INTERSECTION TOTAL		281	144

FROM	TO	655.0230 CABLE TRAFFIC SIGNAL 5 - 14 AWG LF	*655.0240 CABLE TRAFFIC SIGNAL 7 - 14 AWG LF
USH 63 & STH 70			
SB1	HEAD 17	41	--
SB1	HEAD 18	24	--
SB1	HEAD 20	--	56
SB2	HEAD 62	15	--
SB3	HEAD 1	21	--
SB3	HEAD 9	--	22
SB3	HEAD 41	15	--
SB4	HEAD 7	47	--
SB4	HEAD 8	24	--
SB4	HEAD 10	--	62
SB5	HEAD 42	15	--
SB6	HEAD 14	--	22
SB6	HEAD 16	21	--
SB6	HEAD 21	15	--
SB7	HEAD 12	45	--
SB7	HEAD 13	24	--
SB7	HEAD 15	--	59
SB8	HEAD 22	15	--
SB9	HEAD 4	--	22
SB9	HEAD 6	21	--
SB9	HEAD 81	15	--
SB10	HEAD 2	45	--
SB10	HEAD 3	24	--
SB10	HEAD 5	--	60
SB11	HEAD 82	15	--
SB12	HEAD 11	21	--
SB12	HEAD 19	--	22
SB12	HEAD 61	15	--
INTERSECTION TOTAL		478	325
ITEM TOTALS		**759**	**469**

* ITEMS SHOWN ELSEWHERE IN THE PLANS

ELECTRIC WIRE TRAFFIC SIGNALS

FROM	TO	*655.0510 ELECTRICAL WIRE TRAFFIC SIGNALS 12 AWG LF	655.0515 ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG LF
USH 63 & HAZEL ST			
PB1	PB2	53	--
PB1	PB3	92	--
PB3	PB4	52	--
PB4	PB5	206	--
PB4	PB6	87	--
PB6	PB7	53	--
PB7	PB8	52	--
PB7	PB9	92	--
PB9	PB10	55	--
PB10	PB11	204	--
PB10	PB12	86	--
PB12	PB1	53	--
INTERSECTION TOTAL		1085	0
USH 63 & WALNUT ST			
CB1	SB1	--	37
SB1	SB2	--	75
SB2	SB3	--	111
SB3	SB4	--	77
SB4	SB5	--	100
SB5	SB6	--	81
SB6	SB7	--	105
SB7	SB8	--	83
SB8	CB1	--	90
INTERSECTION TOTAL		0	759

FROM	TO	*655.0510 ELECTRICAL WIRE TRAFFIC SIGNALS 12 AWG LF	655.0515 ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG LF
USH 63 & STH 70			
CB1	SB1	--	113
SB1	SB2	--	62
SB2	SB3	--	181
SB3	SB4	--	142
SB4	SB5	--	124
SB5	SB6	--	57
SB6	SB7	--	150
SB7	SB8	--	53
SB8	SB9	--	128
SB9	SB10	--	118
SB10	SB11	--	72
SB11	SB12	--	155
SB12	CB1	--	39
INTERSECTION TOTAL		0	1394
ITEM TOTALS		**1085**	**2153**

* ITEMS SHOWN ELSEWHERE IN THE PLANS

ELECTRICAL SERVICE METER BREAKER PEDESTAL

LOCATION	656.0200.01 ELECTRICAL SERVICE METER BREAKER PEDESTAL LS	656.0200.02 ELECTRICAL SERVICE METER BREAKER PEDESTAL LS
USH 63 & WALNUT ST	1	--
USH 63 & STH 70	--	1
ITEM TOTALS	**1**	**1**

SIGNAL MOUNTING HARDWARE

LOCATION	658.5069.01 SIGNAL MOUNTING HARDWARE LS	658.5069.02 SIGNAL MOUNTING HARDWARE LS
USH 63 & WALNUT ST	1	--
USH 63 & STH 70	--	1
ITEM TOTALS*	**1**	**1**

*ORNAMENTAL MOUNTING HARDWARE NEEDED ON SIGNAL STANDARDS

TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS

LOCATION	661.0200.01 TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS LS	661.0300 GENERATORS DAY
USH 63 & STH 70	1	2
ITEM TOTALS	**1**	**2**

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

3

CAST BASES, POLES, MONOTUBE ARMS, LUMINAIRES

SIGNAL BASE NUMBER	657.0100 PEDESTAL BASES EACH	657.0255 TRANSFORMER BASES BREAKAWAY 11 1/2 INCH BOLT CIRCLE EACH	657.0322 POLES TYPE 5-ALUMINUM EACH	657.0350 POLES TYPE 10 EACH	657.0352 POLES TYPE 10-SPECIAL EACH	657.0361 POLES TYPE 13-OVER HEIGHT EACH	657.0430 TRAFFIC SIGNAL STANDARDS ALUMINUM 10 - FT EACH	657.0425 TRAFFIC SIGNAL STANDARDS ALUMINUM 15 - FT EACH	657.0530 MONOTUBE ARMS 30-FT EACH	657.0535 MONOTUBE ARMS 35-FT EACH	657.0540 MONOTUBE ARMS 40-FT EACH	657.0541 MONOTUBE ARMS 40-FT-SPECIAL EACH	657.0615 LUMINAIRE ARMS SINGLE MEMBER 4 1/2-INCH CLAMP 8-FT EACH	657.0808 LUMINAIRE ARMS STEEL 8-FT EACH
USH 63 & WALNUT ST														
SB1	1	--	--	--	--	--	1	--	--	--	--	--	--	--
SB2	1	--	--	--	--	--	--	1	--	--	--	--	--	--
SB3	--	--	--	1	--	--	--	--	1	--	--	--	--	1
SB4	1	--	--	--	--	--	1	--	--	--	--	--	--	--
SB5	1	--	--	--	--	--	1	--	--	--	--	--	--	--
SB6	1	--	--	--	--	--	--	1	--	--	--	--	--	--
SB7	--	--	--	1	--	--	--	--	1	--	--	--	--	1
SB8	1	--	--	--	--	--	1	--	--	--	--	--	--	--
INTERSECTION TOTAL	6	0	0	2	0	0	4	2	2	0	0	0	0	2
USH 63 & STH 70														
SB1	--	--	--	--	--	1	--	--	--	1	--	--	--	1
SB2	1	--	--	--	--	--	1	--	--	--	--	--	--	--
SB3	1	--	--	--	--	--	--	1	--	--	--	--	--	--
SB4	--	--	--	--	1	--	--	--	--	--	--	1	--	1
SB5	1	--	--	--	--	--	1	--	--	--	--	--	--	--
SB6	1	--	--	--	--	--	--	1	--	--	--	--	--	--
SB7	--	--	--	--	--	1	--	--	--	--	1	--	--	1
SB8	1	--	--	--	--	--	1	--	--	--	--	--	--	--
SB9	1	--	--	--	--	--	--	1	--	--	--	--	--	--
SB10	--	--	--	--	1	--	--	--	--	--	--	1	--	1
SB11	1	--	--	--	--	--	1	--	--	--	--	--	--	--
SB12	1	--	--	--	--	--	--	1	--	--	--	--	--	--
LB1	--	1	1	--	--	--	--	--	--	--	--	--	1	--
LB2	--	1	1	--	--	--	--	--	--	--	--	--	1	--
LB3	--	1	1	--	--	--	--	--	--	--	--	--	1	--
INTERSECTION TOTAL	8	3	3	0	2	2	4	4	0	1	1	2	3	4
ITEM TOTALS	**14**	**3**	**3**	**2**	**2**	**2**	**8**	**6**	**2**	**1**	**1**	**2**	**3**	**6**

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

CAST BASES, POLES, MONOTUBE ARMS, LUMINAIRES

SIGNAL BASE NUMBER	658.0500 PEDESTRIAN PUSH BUTTONS EACH	659.1115 LUMINAIRES UTILITY LED A EACH	659.1125 LUMINAIRES UTILITY LED C EACH
USH 63 & WALNUT ST			
SB1	1	--	--
SB2	1	--	--
SB3	1	--	1
SB4	1	--	--
SB5	1	--	--
SB6	1	--	--
SB7	1	--	1
SB8	1	--	--
NTERSECTION TOTAI	8	0	2
USH 63 & STH 70			
SB1	--	--	1
SB2	1	--	--
SB3	1	--	--
SB4	--	--	1
SB5	1	--	--
SB6	1	--	--
SB7	--	--	1
SB8	1	--	--
SB9	1	--	--
SB10	--	--	1
SB11	1	--	--
SB12	1	--	--
LB1	--	1	--
LB2	--	1	--
LB3	--	1	--
NTERSECTION TOTAI	8	3	4
ITEM TOTALS	**16**	**3**	**6**

TRAFFIC SIGNAL AND PEDESTRIAN FACES, PUSH BUTTONS, AND BACKPLATES

SIGNAL HEAD NUMBER	SIGNAL BASE NUMBER	658.0173 TRAFFIC SIGNAL FACE 3S-12 INCH EACH	658.0174 TRAFFIC SIGNAL FACE 4S-12 INCH EACH	658.0416 PEDESTRIAN SIGNAL FACE 16-INCH EACH
USH 63 & WALNUT ST				
1	6	1	--	--
2	3	1	--	--
3	3	1	--	--
4	2	--	1	--
5	3	--	1	--
6	2	1	--	--
7	7	1	--	--
8	7	1	--	--
9	6	--	1	--
10	7	--	1	--
21	1	--	--	1
22	8	--	--	1
41	6	--	--	1
42	7	--	--	1
61	5	--	--	1
62	4	--	--	1
81	3	--	--	1
82	2	--	--	1
INTERSECTION TOTAL		6	4	8

SIGNAL HEAD NUMBER	SIGNAL BASE NUMBER	658.0173 TRAFFIC SIGNAL FACE 3S-12 INCH EACH	658.0174 TRAFFIC SIGNAL FACE 4S-12 INCH EACH	658.0416 PEDESTRIAN SIGNAL FACE 16-INCH EACH
USH 63 & STH 70				
1	3	1	--	--
2	10	1	--	--
3	10	1	--	--
4	9	--	1	--
5	10	--	1	--
6	9	1	--	--
7	4	1	--	--
8	4	1	--	--
9	3	--	1	--
10	4	--	1	--
11	12	1	--	--
12	7	1	--	--
13	7	1	--	--
14	6	--	1	--
15	7	--	1	--
16	6	1	--	--
17	1	1	--	--
18	1	1	--	--
19	12	--	1	--
20	1	--	1	--
21	6	--	--	1
22	8	--	--	1
41	3	--	--	1
42	5	--	--	1
61	12	--	--	1
62	2	--	--	1
81	9	--	--	1
82	11	--	--	1
INTERSECTION TOTAL		12	8	8
ITEM TOTALS		**18**	**12**	**16**

TRAFFIC SIGNAL INTERCONNECT

FROM	TO	*655.0510 ELECTRICAL WIRE TRAFFIC SIGNALS 12 AWG LF	670.0200 ITS DOCUMENTATION LS	**671.0300 FIBER OPTIC CABLE MARKER EACH	673.0200 TRACER WIRE MARKER POSTS EACH
INTERCONNECT					
PROJECT ID 1560-00-70		--	1	--	--
CV1		--	--	--	1
CV3		--	--	--	1
PB16	CV1	49	--	--	--
CINC VAULT	CB1 (STH 70)	687	--	--	--
CB1 (STH 70)	CB1 (WALNUT)	1803	--	--	--
CB1 (WALNUT)	CV3	1625	--	--	--
	ITEM TOTALS	**4164**	**1**	**6**	**2**

* ITEMS SHOWN ELSEWHERE IN THE PLANS
**FINAL LOCATIONS TO BE DETERMINED IN THE FIELD

INSTALL FIBER OPTIC CABLE

FROM	TO	LINEAR DISTANCE	FIBER SLACK PB	FIBER SLACK COMM. VAULT	FIBER SLACK CABINET	678.0006 INSTALL FIBER OPTIC CABLE OUTDOOR PLANT 6-CT LF
INTERCONNECT						
CINC VAULT 1	PB5 (S65-0197)	250	10	150	--	410
PB5 (S65-0197)	PB4 (S65-0197)	58	20	--	--	78
PB4 (S65-0197)	PB3 (S65-0197)	121	20	--	--	141
PB3 (S65-0197)	PB2 (S65-0197)	6	20	--	--	26
PB2 (S65-0197)	CB1 (S65-0197)	6	10	--	125	141
CB1 (S65-0197)	PB2 (S65-0197)	6	10	--	125	141
PB2 (S65-0197)	CV1	100	10	150	--	260
CV1	CV2	1420	--	300	--	1720
CV2	PB4 (S65-0195)	12	10	150	--	172
PB4 (S65-0195)	PB2 (S65-0195)	56	20	--	--	76
PB2 (S65-0195)	PB1 (S65-0195)	22	20	--	--	42
PB1 (S65-0195)	CB1 (S65-0195)	6	10	--	125	141
ITEM TOTALS						**3348**

TEMPORARY VEHICLE DETECTION

	SPV.0060.36 TEMPORARY VEHICLE DETECTION EACH
USH 63 & STH 70	1
ITEM TOTALS	**1**

REMOVE AND SALVAGE TRAFFIC SIGNALS

LOCATION	SPV.0060.32 REMOVE AND SALVAGE TRAFFIC SIGNALS EACH	SPV.0060.33 REMOVE AND SALVAGE TRAFFIC SIGNALS EACH
USH 63 & WALNUT ST	1	--
USH 63 & STH 70	--	1
ITEM TOTALS	**1**	**1**

INSTALL STATE FURNSISHED EVP DETECTOR HEADS

	SPV.0060.34 INSTALL STATE FURNISHED EVP DETECTOR HEADS EACH	SPV.0060.35 INSTALL STATE FURNISHED EVP DETECTOR HEADS EACH
USH 63 & WALNUT ST	1	--
USH 63 & STH 70	--	1
ITEM TOTALS	**1**	**1**

INSTALL INTO EXISTING ITEM

PULL BOX NUMBER	SPV.0060.38 INSTALL CONDUIT INTO EXISTING CINC VAULT EACH
INTERCONNECT	
CINC VAULT 1	1
CINC VAULT 2	1
INTERCONNECT TOTAL	2
ITEM TOTALS	**2**

INSTALL STATE FURNISHED CAT-5E CABLE

FROM	TO	SPV.0090.15 INSTALL STATE FURNISHED CAT-5E CABLE LF
USH 63 & WALNUT ST		
CB1	SB7	191
INTERSECTION TOTAL		191
USH 63 & STH 70		
CB1	SB4	358
CB1	SB10	209
INTERSECTION TOTAL		567
ITEM TOTALS		**758**

REMOVING MANHOLES

STATION	LOCATION	204.0210* EACH	REMARKS
STAGE 1			
STH 70			
10+00	0.0' LT	1	SAN MH
STAGE 1 SUBTOTAL		1	
STAGE 2			
USH 63			
1266+37	0.4' LT	1	SAN MH
1270+23	0.3' LT	1	SAN MH
1274+09	0.0' LT	1	SAN MH
1277+73	43.8' LT	1	WTR MH
1277+86	46.9' LT	1	WTR MH
1277+95	0.2' RT	1	SAN MH
STAGE 2 SUBTOTAL		6	
STAGE 3			
USH 63			
1281+81	0.1' LT	1	SAN MH
1285+67	0.0' LT	1	SAN MH
1289+52	0.0' LT	1	SAN MH
1293+38	0.0' LT	1	SAN MH
STAGE 3 SUBTOTAL		4	
STAGE 4			
USH 63			
1297+25	0.0' LT	1	SAN MH
1301+11	0.0' LT	1	SAN MH
1304+98	0.0' LT	1	SAN MH
STAGE 4 SUBTOTAL		3	
ITEM TOTAL		14	

* ITEM SHOWN ELSWEHERE IN THE PLANS

ADJUSTING MANHOLE COVERS

STATION	LOCATION	611.8110 EACH	COMMENTS
STAGE 2			
USH 63			
1266+37	0.4' LT	1	EX MH 2
1270+23	0.3' LT	1	EX MH 5
1274+09	0.0' LT	1	EX MH 8
STAGE 2 SUBTOTAL		3	
ITEM TOTAL		3	

COVER PLATES TEMPORARY

STATION	LOCATION	611.8120.S* EACH
STAGE 2		
USH 63		
UNDISTRIBUTED	LT & RT	5
STAGE 2 SUBTOTAL		5
STAGE 3		
USH 63		
UNDISTRIBUTED	LT & RT	5
STAGE 3 SUBTOTAL		5
STAGE 4		
USH 63		
UNDISTRIBUTED	LT & RT	5
STAGE 4 SUBTOTAL		5
ITEM TOTAL		15

* ITEM SHOWN ELSWEHERE IN THE PLANS

INSULATION BOARD POLYSTYRENE

STATION	LOCATION	612 0902 S 2-INCH SY
STAGE 1		
USH 63		
1262+51	14.0' LT	14.2
UNDISTRIBUTED	LT & RT	14.2
STAGE 1 SUBTOTAL		28.4
STAGE 2		
USH 63		
1270+09	RT	7.1
1270+10	RT	7.1
1270+23	RT	14.2
1270+42	RT	7.1
1273+98	RT	14.2
1274+09	RT	14.2
1276+06	RT	14.2
1276+38	RT	14.2
1277+86	RT	28.4
1278+62	RT	14.2
UNDISTRIBUTED	LT & RT	35.5
STAGE 2 SUBTOTAL		170.4
STAGE 3		
USH 63		
1281+53	RT	14.2
1282+67	RT	14.2
1285+52	LT	14.2
1286+64	RT	14.2
1286+73	RT	14.2
1288+21	RT	14.2
1289+52	RT	14.2
1290+58	RT	14.2
1291+16	RT	14.2
UNDISTRIBUTED	LT & RT	28.6
STAGE 3 SUBTOTAL		156.4
STAGE 4		
USH 63		
1294+42	RT	14.2
1294+73	RT	14.2
1295+95	RT	14.2
1297+13	RT	14.2
1298+22	RT	14.2
1299+53	RT	14.2
1299+80	RT	14.2
1301+27	RT	14.2
1301+83	RT	14.2
1303+68	RT	14.2
1304+18	RT	14.2
1304+86	RT	14.2
UNDISTRIBUTED	LT & RT	28.4
STAGE 4 SUBTOTAL		198.8
ITEM TOTAL		554

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

SANITARY SEWER MANHOLE W/CASTING

SPV.0060.10

STATION	LOCATION	4-FT DIA EACH	COMMENTS
STAGE 1			
STH 70			
8+61	0.4' RT	1	MH 70
11+01	0.6' RT	1	MH 69
STAGE 1 SUBTOTAL		2	
STAGE 2			
USH 63			
1266+37	0.4' LT	1	MH 2
1270+23	0.3' LT	1	MH 5
1274+09	0.0' LT	1	MH 8
1276+45	20.0' RT	1	MH 71
1277+95	20.0' RT	1	MH 72
STAGE 2 SUBTOTAL		5	
STAGE 3			
USH 63			
1280+25	20.0' LT	1	MH 73
1281+81	20.0' LT	1	MH 74
1285+67	0.0' LT	1	MH 75
1285+67	70.6' LT	1	MH 68
1289+52	0.0' LT	1	MH 76
1293+38	0.0' LT	1	MH 77
STAGE 3 SUBTOTAL		6	
STAGE 4			
USH 63			
1297+25	0.0' LT	1	MH 78
1297+25	19.0' RT	1	MH 79
1300+42	19.0' RT	1	MH 80
1301+11	0.0' LT	1	MH 81
1304+98	0.0' LT	1	MH 82
STAGE 4 SUBTOTAL		5	
ITEM TOTALS		18	

CONNECT TO EXISTING SANITARY

SPV.0060.11

STATION	LOCATION	SEWER MAIN EACH	COMMENTS
STAGE 1			
STH 70			
8+61	0.4' RT	1	MH 70
11+01	0.6' RT	1	MH 69
STAGE 1 SUBTOTAL		2	
STAGE 2			
USH 63			
1266+37	59.0' RT	1	8" CLAY
1266+37	0.4' LT	1	8" CLAY
1270+23	68.0' RT	1	8" CLAY
1270+23	0.3' LT	1	8" CLAY
1274+09	72.0' RT	1	6" OR 8" CLAY FIELD VERIFY
1274+09	0.0' LT	1	6" OR 8" CLAY FIELD VERIFY
1277+95	40.0' RT	1	10" CLAY
1277+95	39.0' LT	1	10" CLAY
STAGE 2 SUBTOTAL		8	
STAGE 3			
USH 63			
1281+81	65.0' LT	1	8" CLAY
1281+81	65.0' RT	1	8" CLAY
1285+65	65.0' RT	1	8" CLAY
1285+67	70.6' LT	1	10" CLAY
1289+52	65.0' LT	1	8" CLAY
1289+52	65.0' RT	1	8" CLAY OR PVC
1293+38	65.0' LT	1	8" CLAY
1293+38	0.0' LT	1	8" PVC
STAGE 3 SUBTOTAL		8	
STAGE 4			
USH 63			
1297+25	65.0' LT	1	8" CLAY
1297+25	19.0' RT	1	6" CLAY
1301+11	55.0' LT	1	8" CLAY
1301+11	61.0' RT	1	6" CLAY
1304+98	64.0' RT	1	8" CLAY
1305+00	65.0' LT	1	8" CLAY
STAGE 4 SUBTOTAL		6	
ITEM TOTALS		24	

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

SANITARY SEWER SERVICES

STATION	LOCATION	SPV.0060.12 CONNECT TO EXISTING SANITARY SEWER SERVICE EACH	SPV.0060.13 SANITARY SEWER WYE 8-INCH X 6-INCH EACH	SPV.0060.14 SANITARY SEWER WYE 10-INCH X 6-INCH EACH	SPV.0060.15 SANITARY SEWER WYE 12-INCH X 6-INCH EACH	SPV.0060.16 SANITARY SEWER SADDLE 8-INCH X 6-INCH EACH	SPV.0090.04 SANITARY SEWER SERVICE 6-INCH PVC LF	COMMENTS
STAGE 1								
STH 70								
8+61 - 11+01	LT & RT	3	3	0		0	114	
STAGE 1 SUBTOTAL		3	3	0	0	0	114	
STAGE 2								
USH 63								
1263+50 - 1279+00	LT & RT	7	6	0		1	531	
STAGE 2 SUBTOTAL		7	6	0	0	1	531	
STAGE 3								
USH 63								
1279+00 - 1293+00	LT & RT	15	1	0	15	0	538	
STAGE 3 SUBTOTAL		15	1	0	15	0	538	
STAGE 4								
USH 63								
1293+00 - 1306+00	LT & RT	27	6	23		0	913	
STAGE 4 SUBTOTAL		27	6	23	0	0	913	
ITEM TOTALS		52	16	23	15	1	2096	

EXPLORATORY EXCAVATION

STATION	LOCATION	SPV.0060.17 EACH
USH 63		
1262+00 - 1306+00	LT & RT	20
ITEM TOTAL		20

SANITARY SERVICE CLEANOUT

STATION	LOCATION	SPV.0060.18 EACH
STAGE 2		
MAIN STREET		
1264+90	25.5' LT	1
1265+40	7.5' RT	1
1267+35	5.0' RT	1
1267+66	25.5' LT	1
1273+48	25.5' LT	1
STAGE 2 SUBTOTAL		5
ITEM TOTAL		5

REMOVE EXISTING HYDRANT AND LEAD

STATION	LOCATION	SPV.0060.19 EACH
STAGE 2		
USH 63		
1269+95	37.3' RT	1
1277+71	43.8' LT	1
STAGE 2 SUBTOTAL		2
STAGE 3		
USH 63		
1282+05	41.5' LT	1
1285+96	34.1' LT	1
1289+22	33.5' LT	1
1293+15	40.3' LT	1
STAGE 3 SUBTOTAL		4
STAGE 4		
USH 63		
1296+91	30.5' LT	1
1304+72.50	43.8' LT	1
STAGE 4 SUBTOTAL		2
ITEM TOTAL		8

CONNECT TO EXISTING WATER MAIN

STATION	LOCATION	SPV.0060.20 EACH
STAGE 1		
STH 70		
8+58	12.9' LT	1
11+02	12.5' LT	1
STAGE 1 SUBTOTAL		2
STAGE 2		
USH 63		
1266+26	68.0' RT	1
1266+28	46.0' LT	1
1270+09	37.2' LT	1
1270+10	60.0' RT	1
1273+98	10.0' LT	1
1277+86	52.0' LT	1
1277+86	36.0' RT	1
STAGE 2 SUBTOTAL		7
STAGE 3		
USH 63		
1281+95	70.0' LT	1
1285+77	69.0' LT	1
1289+39	76.0' LT	1
1289+40	67.0' RT	1
1293+30	65.0' LT	1
1293+30	65.0' RT	1
STAGE 3 SUBTOTAL		6
STAGE 4		
USH 63		
1297+13	62.0' LT	1
1297+13	68.0' RT	1
1301+23	55.0' LT	1
1301+27	10.0' LT	1
1304+86	65.0' LT	1
1304+88	64.0' RT	1
STAGE 4 SUBTOTAL		6
ITEM TOTAL		21

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

LOWER WATER MAIN

STATION	LOCATION	SPV.0060.21 EACH
STAGE 2		
USH 63		
1277+86	13.0' RT	1
STAGE 2 SUBTOTAL		1
STAGE 3		
USH 63		
1281+81	10.0' LT	1
1285+67	17.0' LT	1
1289+43	0.0' LT	1
1289+52	17.0' LT	1
STAGE 3 SUBTOTAL		4
STAGE 4		
USH 63		
1297+13	0.0' LT	1
1297+25	17.0' LT	1
1304+87	0.0' LT	1
STAGE 4 SUBTOTAL		3
ITEM TOTAL		8

GATE VALVE AND BOX

STATION	LOCATION	SPV.0060.22 6-INCH EACH	SPV.0060.23 8-INCH EACH	SPV.0060.24 10-INCH EACH
STAGE 1				
STH 70				
8+58	12.8' LT		1	
8+69	15.5' LT	1		
11+02	12.5' LT		1	
STAGE 1 SUBTOTAL		1	2	0
STAGE 2				
USH 63				
1266+26	68.0' RT		1	
1270+10	60.0' RT	1		
1273+98	10.0' LT		1	
1277+86	52.0' LT		1	
1277+86	44.0' LT	1		
1277+86	10.0' LT		2	
1277+86	36.0' RT		1	
STAGE 2 SUBTOTAL		2	6	0
STAGE 3				
USH 63				
1281+95	47.0' LT	1		
1281+95	10.0' LT		2	
1285+77	17.0' LT		1	
1285+77	69.0' LT	1		
1285+77	39.0' LT	1		
1289+39	76.0' LT	1		
1289+40	67.0' RT	1		
1289+43	17.0' LT		1	
1289+79	17.0' LT	1		
1293+30	65.0' LT			1
1293+30	42.0' LT	1		
1293+30	17.0' LT		1	
1293+30	65.0' RT			1
STAGE 3 SUBTOTAL		7	5	2
STAGE 4				
USH 63				
1297+13	58.4' LT	1		
1297+13	17.0' LT		1	
1297+13	67.0' RT	1		
1301+23	55.0' LT	1		
1301+27	17.0' LT		2	
1304+86	65.0' LT		1	
1304+86	43.0' LT	1		
1304+87	17.0' LT		1	
1304+88	64.0' RT		1	
STAGE 4 SUBTOTAL		4	6	0
ITEM TOTALS		14	19	2

HYDRANT 8.5-FT BURY DEPTH

STATION	LOCATION	SPV.0060.25 EACH
STAGE 1		
STH 70		
8+69	29.0' LT	1
STAGE 1 SUBTOTAL		1
STAGE 2		
USH 63		
1270+47	60.0' RT	1
1277+77	44.0' LT	1
STAGE 2 SUBTOTAL		2
STAGE 3		
USH 63		
1282+04	47.0' LT	1
1285+93	39.0' LT	1
1289+79	41.0' LT	1
1293+13	42.0' LT	1
STAGE 3 SUBTOTAL		4
STAGE 4		
USH 63		
1296+97	58.4' RT	1
1304+72	43.0' LT	1
STAGE 4 SUBTOTAL		2
ITEM TOTAL		9

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

WATER SERVICES

STATION	LOCATION	SPV.0060.26 CONNECT TO EXISTING WATER SERVICE EACH	SPV.0060.27 CORPORATION STOP 1-INCH EACH	SPV.0060.28 CORPORATION STOP 2-INCH EACH	SPV.0060.29 CURB STOP & BOX 1-INCH EACH	SPV.0060.30 CURB STOP & BOX 2-INCH EACH	SPV.0090.09 WATER SERVICE 1-INCH LF	SPV.0090.10 WATER SERVICE 2-INCH LF
STAGE 1								
STH 70								
8+08 - 11+02	LT & RT	3	2	1	2	1	88	46
STAGE 1 SUBTOTAL		3	2	1	2	1	88	46
STAGE 2								
USH 63								
1263+50 - 1279+00	LT & RT	2	5	1	5	1	413	55
STAGE 2 SUBTOTAL		2	5	1	5	1	413	55
STAGE 3								
USH 63								
1279+00 - 1293+00	LT & RT	16	17	0	18	0	653	0
STAGE 3 SUBTOTAL		16	17	0	18	0	653	0
STAGE 4								
USH 63								
1293+00 - 1306+00	LT & RT	23	27	0	27	0	872	0
STAGE 4 SUBTOTAL		23	27	0	27	0	872	0
ITEM TOTALS		44	51	2	52	2	2026	101

WATER MAIN FITTINGS

STATION	LOCATION	SPV.0085.01 LB
STAGE 1		
STH 70		
8+58 - 11+02	LT	136
STAGE 1 SUBTOTAL		136
STAGE 2		
USH 63		
1263+50 - 1279+00	LT & RT	527
STAGE 2 SUBTOTAL		527
STAGE 3		
USH 63		
1279+00 - 1293+00	LT & RT	798
STAGE 3 SUBTOTAL		798
STAGE 4		
USH 63		
1293+00 - 1306+00	LT & RT	538
STAGE 4 SUBTOTAL		538
ITEM TOTAL		1999

ADJUST GATE VALVE BOX

STATION	LOCATION	SPV.0060.31 EACH
STAGE 2		
USH 63		
1266+28	46.0' LT	1
1274+00	69.0' LT	1
STAGE 2 SUBTOTAL		2
STAGE 4		
USH 63		
1301+20	59.0' RT	1
1301+24	57.0' RT	1
1301+27	9.0' LT	1
STAGE 4 SUBTOTAL		3
ITEM TOTAL		5

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

SANITARY SEWER MAIN

STATION	LOCATION	SPV.0090.05 8-INCH LF	SPV.0090.06 10-INCH LF	SPV.0090.07 12-INCH LF	SPV.0090.08 TELEVISE SANITARY SEWER LF	COMMENTS
STAGE 1						
STH 70						
8+61 - 11+01	0.4' - 0.6' RT	240			240	MH 69 - MH 70
STAGE 1 SUBTOTAL		240	0	0	240	
STAGE 2						
USH 63						
1266+37	0.4' LT - 59.0' RT	59			59	EX MH 2
1270+23	0.3' LT - 68.0' RT	68			68	EX MH 5
1274+09	0.0' LT - 72.0' RT	72			72	EX MH 8
1276+45 - 1277+95	20.0' RT	150			150	MH 71 - MH 72
1277+95	20.0' RT - 39.0' LT		60		60	MH 72 - CONNECT
1277+95	20.0' RT - 40.0' RT		20		20	CONNECT - MH 72
STAGE 2 SUBTOTAL		349	80	0	429	
STAGE 3						
USH 63						
1280+25 - 1281+81	20.0' LT	156			156	MH 73 - 74
1281+81	20.0' LT - 65.0' LT	45			45	MH 74 - CONNECT
1281+81	65.0' RT - 20.0' LT	85			85	CONNECT - MH 74
1285+65 - 1285+67	65.0' RT - 0.0' LT	65			65	CONNECT - MH 75
1285+67	0.0' LT - 70.6' LT			71	71	MH 75 - MH 68
1285+67 - 1289+52	0.0' LT			385	385	MH 75 - MH 76
1289+52	65.0' LT - 0.0' LT	65			65	CONNECT - MH 76
1289+52	65.0' RT - 0.0' LT	65			65	CONNECT - MH 76
1289+52 - 1293+38	0.0' LT			386	386	MH 76 - MH 77
1293+38	65.0' LT - 0.0' LT	65			65	CONNECT - MH 77
1293+38	5.0' RT - 0.0' LT	5			5	CONNECT - MH 77 (IF REQ'D)
STAGE 3 SUBTOTAL		551	0	842	1393	
STAGE 4						
USH 63						
1293+38 - 1297+25	0.0' LT		387		387	MH 77 - MH 78
1297+25	65.0' LT - 0.0' LT	65			65	CONNECT - MH 78
1297+25	19.0' RT - 0.0' LT	19			19	MH 79 - MH 78
1297+25	24.0' RT - 19.0' RT	5			5	CONNECT - MH 79 (IF REQ'D)
1297+25 - 1300+42	19.0' RT	317			317	MH 79 - MH 80
1297+25 - 1301+11	0.0' LT		386		386	MH 78 - MH 81
1301+11	55.0' LT - 0.0' LT	55			55	CONNECT - MH 81
1301+11	61.0' RT - 0.0' LT	61			61	CONNECT - MH 81
1301+11 - 1304+98	0.0' LT		387		387	MH 81 - MH 82
1304+98	64.0' RT - 0.0' LT	64			64	CONNECT - MH 82
1304+98 - 1305+00	65.0' LT - 0.0' LT	65			65	CONNECT - MH 82
STAGE 4 SUBTOTAL		651	1160	0	1811	
ITEM TOTALS		1791	1240	842	3873	

WATER MAIN

STATION	LOCATION	SPV.0090.11 C900 6-INCH LF	SPV.0090.12 C900 8-INCH LF	SPV.0090.13 C900 10-INCH LF	SPV.0090.14 WRAPPED DUCTILE IRON 8-INCH LF
STAGE 1					
STH 70					
8+58 - 11+02	12.5' LT		245		
8+69	12.5' - 29.0' LT	17			
STAGE 1 SUBTOTAL		17	245	0	0
STAGE 2					
USH 63					
1266+26 - 1266+28	46.0' LT - 68.0' RT		115		
1270+10	57.0' - 62.0' RT		6		
1270+10	60.0' RT	42			
1273+98	7.0' - 13.0' LT	6			
1273+98 - 1277+86	10.0' LT		388		
1277+86	44.0' LT	9			
1277+86	52.0' LT - 36.0' RT		88		
1277+86 - 1279+00	10.0' LT		114		
UNDISTRIBUTED	LT & RT				50
STAGE 2 SUBTOTAL		57	711	0	50
STAGE 3					
USH 63					
1279+00 - 1281+95	10.0' LT		295		
1281+95	10.0' LT - 70.0' LT		60		
1281+95	47.0' LT	10			
1281+95 - 1285+77	10.0' LT - 17.0' LT		383		
1285+77	17.0' LT - 69.0' LT	52			
1285+77	39.0' LT	17			
1285+77 - 1289+43	17.0' LT		366		
1289+39 - 1289+43	76.0' LT - 67.0' RT	156			
1289+43 - 1293+30	17.0' LT		387		
1289+79	17.0' LT - 41.0' LT	25			
1293+30	65.0' LT - 65.0' RT			130	
1293+30	42.0' LT	17			
UNDISTRIBUTED	LT & RT				50
STAGE 3 SUBTOTAL		277	1491	130	50
STAGE 4					
USH 63					
1293+30 - 1297+13	17.0' LT		383		
1297+13	17.0' LT - 62.0' LT	45			
1297+13	17.0' LT - 65.0' RT	85			
1297+13	58.4' RT	16			
1297+13 - 1301+27	17.0' LT		414		
1301+23 - 1301+27	10.0' LT - 55.0' LT	47			
1301+27 - 1304+87	17.0' LT		360		
1304+86	43.0' LT	14			
1304+86 - 1304+88	65.0' LT - 64.0' RT		129		
UNDISTRIBUTED	LT & RT				50
STAGE 4 SUBTOTAL		207	1286	0	50
ITEM TOTALS		558	3733	130	150

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

MAINTAIN WATER SERVICE DURING CONSTRUCTION

STATION	LOCATION	SPV.0060.37 EACH
USH 63		
1262+00 - 1306+00	LT & RT	1
ITEM TOTAL		1

SANITARY MANHOLE EXCESS DEPTH

STATION	LOCATION	SPV.0200.01 4-FT DIA VF	COMMENTS
STAGE 1			
STH 70			
8+61	0.4' RT	4.3	MH 70
11+01	0.6' RT	0.7	MH 69
STAGE 1 SUBTOTAL		5	
STAGE 2			
USH 63			
1266+37	0.4' LT	2.5	MH 2
1270+23	0.3' LT	1.0	MH 5
1274+09	0.0' LT	2.8	MH 8
1276+45	20.0' RT	1.7	MH 71
1277+95	20.0' RT	5.3	MH 72
STAGE 2 SUBTOTAL		13.3	
STAGE 3			
USH 63			
1280+25	20.0' LT	1.5	MH 73
1281+81	20.0' LT	1.0	MH 74
1285+67	0.0' LT	1.9	MH 75
1285+67	70.6' LT	2.0	MH 68
1289+52	0.0' LT	2.3	MH 76
1293+38	0.0' LT	2.8	MH 77
STAGE 3 SUBTOTAL		11.5	
STAGE 4			
USH 63			
1297+25	0.0' LT	2.6	MH 78
1297+25	19.0' RT	2.0	MH 79
1300+42	19.0' RT	1.6	MH 80
1301+11	0.0' LT	2.3	MH 81
1304+98	0.0' LT	0.4	MH 82
STAGE 4 SUBTOTAL		8.9	
ITEM TOTALS		38.7	

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

TRANSPORTATION PROJECT PLAT NO: 1560-00-20 - 4.01
AMENDMENT NO. 1

AMENDS PARCEL 90, 94, AND 95 OF TRANSPORTATION PLAT 1560-00-20-4.01 RECORDED AS DOCUMENT NO. 387260

BEING A PART OF LOTS 4, 5, 6, AND 7, BLOCK 1, ALSO LOTS 1, 2, 3, AND 6, BLOCK 2, LAWNDALE ADDITION TO SPOONER, ENVELOPE 173, DOCUMENT NO. 40770, LOCATED IN THE SOUTHEAST 1/4 OF THE NORTHEAST 1/4, SECTION 31, TOWN 39 NORTH, RANGE 12 WEST, CITY OF SPOONER, WASHBURN COUNTY, WISCONSIN.

USH 63 SPOONER - HAYWARD, GREENWOOD AVE TO POPLAR STREET, WASHBURN 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.

MONUMENT TABLE			
POINT NAME	X COORDS	Y COORDS	DESCRIPTION
1108	740715.220	567452.517	3/4" REBAR
1114	740309.657	567465.691	1" IRON PIPE

GN

0 30 60
SCALE, FEET

DOCUMENT# **390764**
Recorded on **06-04-2020 at 8:45 AM** Pages: **1**
Fee Amount: **$25.00** County: **WASHBURN** State

RENEE M. BELL REGISTER OF DEEDS
***The above recording information verifies this document has been electronically recorded and returned to
WisDOT - NC Region - Rhinelander / WI Rapids*

279

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1560-00-20 - 4.01
AMENDMENT NO: 1

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), WASHBURN 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 LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN SPOONER.

ANY AREA CURRENTLY OCCUPIED BY A BUILDING IS EXCEPTED FROM TLE ACQUISITION ON THIS TRANSPORTATION PROJECT PLAT.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
R/W PROJECT 1556-01-21
R/W PROJECT 1190-03-21
LAWNDALE ADDITION

FEE STATION OFFSET				
POINT NAME	STATION	OFFSET	Y COORDS	X COORDS
100	1259+19.21'USH63'	39.36'LT	567284.995	740382.290
101	1259+25.35'USH63'	32.84'LT	567287.262	740390.958
102	1260+77.35'USH63'	34.40'LT	567421.409	740462.451
103	1261+57.40'USH63'	34.83'LT	567491.868	740500.451
104	1262+45.61'USH63'	149.87'LT	567624.427	740441.775
105	1262+21.66'USH63'	97.49'RT	567484.829	740647.384
106	1262+51.72'USH63'	115.03'LT	567506.835	740679.588
108	1261+50.32'USH63'	33.21'RT	567453.036	740556.764
109	1259+50.29'USH63'	33.16'RT	567277.506	740460.839
110	1259+20.27'USH63'	115.16'RT	567211.858	740518.408
111	1259+19.17'USH63'	0.00'	567266.092	740416.815
112	1259+18.85'USH63'	32.84'LT	567281.559	740387.841
117	1261+96.25'USH63'	47.25'LT	567531.911	740508.168
118	1262+10.95'USH63'	59.08'LT	567550.483	740504.837
119	1262+15.72'USH63'	73.81'LT	567561.729	740494.199
120	1262+23.59'USH63'	116.54'RT	567477.391	740665.029
121	1262+22.44'USH63'	116.59'RT	567476.360	740664.520
150	1260+77.35'USH63'	32.81'LT	567420.644	740463.850
157	1262+12.63'USH63'	148.53'LT	567594.837	740427.139
241	1262+51.72'USH63'	0.00'	567557.942	740576.230
340	1262+06.85'USH63'	53.40'RT	567492.966	740601.588
341	1261+82.53'USH63'	35.03'RT	567480.432	740573.808

R/W COURSE TABLE		
110-111	N61°54'18"W	115.16'
111-112	N61°54'18"W	32.84'
112-100	N58°15'08"W	6.53'
100-101	N75°20'16"E	8.96'
101-150	N28°39'22"E	152.00'
150-102	N61°21'04"W	1.59'
102-103	N28°20'20"E	80.05'
103-117	N10°54'27"E	40.78'
117-118	N10°10'01"W	18.87'
118-119	N43°24'30"W	15.48'
119-157	N63°43'28"W	74.79'
157-104	N26°19'10"E	33.01'
104-241	S63°41'20"E	149.99'
241-106	S63°41'20"E	115.30'
106-120	S26°18'40"W	32.85'
120-121	S26°16'32"W	1.15'
121-105	N63°41'55"W	19.11'
105-340	N79°55'30"W	46.51'
340-341	SEE CURVE DATA	
341-108	S31°53'11"W	32.27'
108-109	S28°39'22"W	200.03'
109-110	S41°14'55"E	87.32'

CURVE DATA	
CURVE	340-341
LENGTH	32.38'
RADIUS	27.00'
LONG CHORD	30.48'
CHORD BEARING	S65°42'56"W

TLE STATION OFFSET		
POINT NAME	STATION	OFFSET
151	1260+77.35'USH63'	38.90'LT
152	1261+57.38'USH63'	39.33'LT
153	1261+57.35'USH63'	42.66'LT
154	1262+07.45'USH63'	58.01'LT
155	1262+12.70'USH63'	74.22'LT
156	1262+09.63'USH63'	148.41'LT
160	1262+12.96'USH63'	116.98'RT
161	1262+12.15'USH63'	97.46'RT
162	1262+03.55'USH63'	69.77'RT
163	1261+98.81'USH63'	57.73'RT
164	1261+79.59'USH63'	43.21'RT
165	1261+06.99'USH63'	43.20'RT
166	1261+06.99'USH63'	33.20'RT
167	1260+39.60'USH63'	33.18'RT
168	1260+34.83'USH63'	38.18'RT
169	1259+48.46'USH63'	38.16'RT

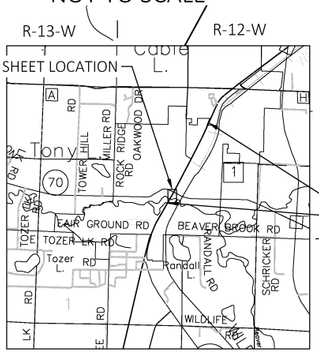
UTILITY EASEMENT TABLE			
UTILITY NUMBER	PARCEL (S)	RECORDING INFORMATION	UTILITY NAME
200	90	NO RECORDED EASEMENT	WE ENERGIES

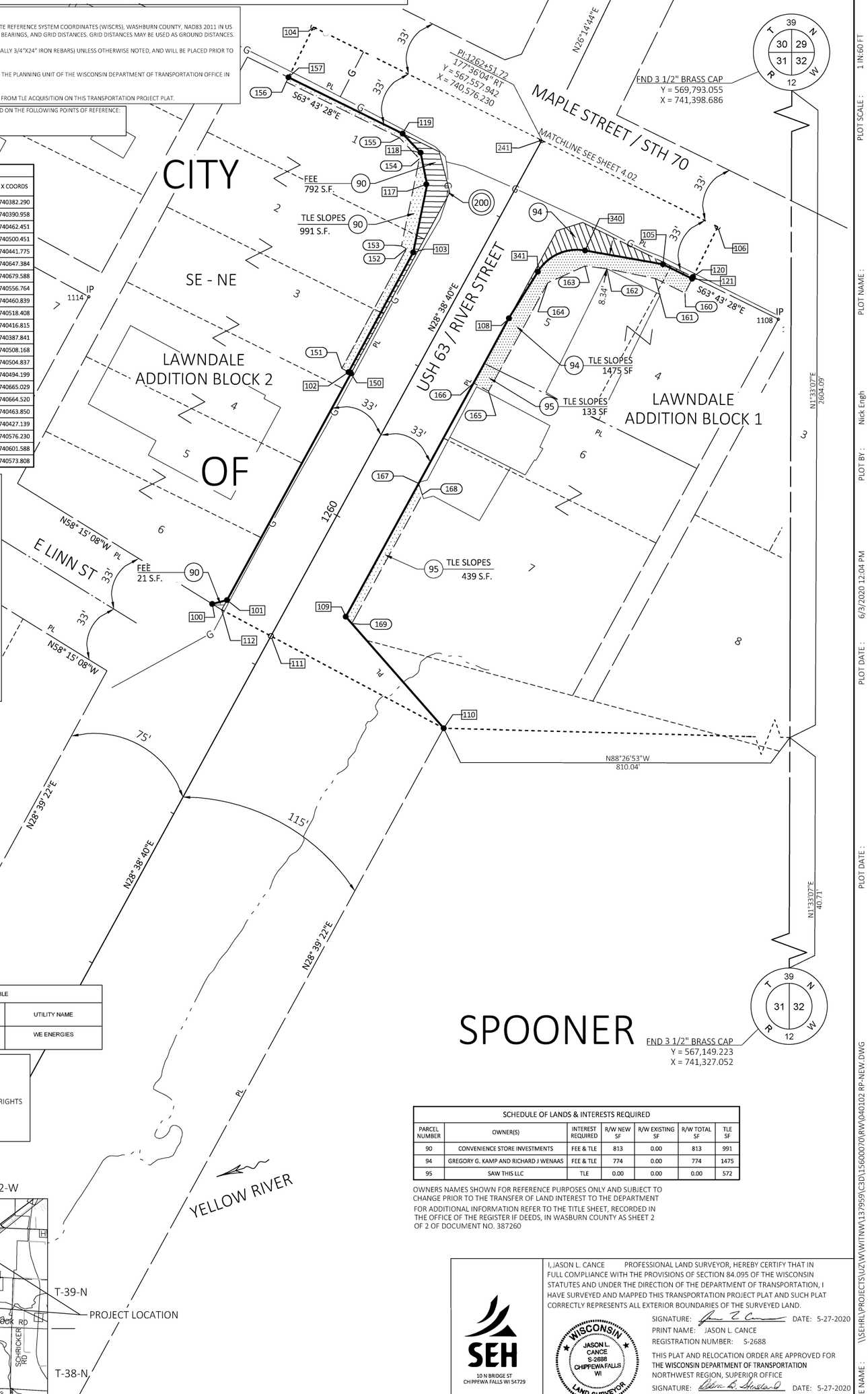
UTILITY INTEREST REQUIRED

UTILITY NUMBER	UTILITY OWNERS	INTEREST REQUIRED
200	WE ENERGIES	RELEASE OF RIGHTS

WE ENERGIES (GAS)

NOT TO SCALE





SCHEDULE OF LANDS & INTERESTS REQUIRED						
PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W NEW SF	R/W EXISTING SF	R/W TOTAL SF	TLE SF
90	CONVENIENCE STORE INVESTMENTS	FEE & TLE	813	0.00	813	991
94	GREGORY G. KAMP AND RICHARD J WENAAS	FEE & TLE	774	0.00	774	1475
95	SAW THIS LLC	TLE	0.00	0.00	0.00	572

OWNERS NAMES SHOWN FOR REFERENCE PURPOSES ONLY AND SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT
FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER IF DEEDS, IN WASBURN COUNTY AS SHEET 2 OF 2 OF DOCUMENT NO. 387260

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

SIGNATURE: DATE: 5-27-2020
PRINT NAME: JASON L. CANCE
REGISTRATION NUMBER: S-2688

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

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION
NORTHWEST REGION, SUPERIOR OFFICE
SIGNATURE: DATE: 5-27-2020
PRINT NAME: DEBRA B. STENSLAND

4.01

PLOT SCALE : 1 IN:60 FT
PLOT NAME :
PLOT BY : Nick Engh
PLOT DATE : 6/3/2020 12:04 PM
PLOT DATE :
FILE NAME : \\SEHRL\PROJECTS\JZ\WI\WITNW\137959\C3D\1560007070\RW\040102 RP-NEW.DWG
APPRAISAL PLAT DATE : 5/27/2020

TRANSPORTATION PROJECT PLAT NO: 1560-00-20 - 4.02

BEING PART OF LOTS 1 AND 12, BLOCK 1, AND PART OF LOT 6 BLOCK 10, ALL IN THE ORIGINAL PLAT OF THE VILLAGE OF SPOONER, VOLUME 1 MISCELLANEOUS, PAGE 56, DOCUMENT NO. 237, PART OF CERTIFIED SURVEY MAP NO 1630, VOLUME 7 PAGE 51, DOCUMENT NO. 212437, ALSO BEING A PART OF LOTS 1, 2 AND 12 OF BLOCK 11, AND PART OF LOT 4, 5, 6, AND 7, BLOCK 12, ALL IN FIRST ADDITION TO THE VILLAGE OF SPOONER, VOLUME 1 MISCELLANEOUS, PAGE 268, DOCUMENT NO. 2430, ALL LOCATED IN THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER OF SECTION 31, TOWN 39 NORTH, RANGE 12 WEST, CITY OF SPOONER, WASHBURN COUNTY, WISCONSIN.

USH 63 SPOONER - HAYWARD, GREENWOOD AVE TO POPLAR STREET, WASHBURN 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.

UTILITY INTERESTS REQUIRED		
UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
200	WE ENERGIES	RELEASE OF RIGHTS
201	SPOONER MUNICIPAL UTILITIES	RELEASE OF RIGHTS

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
R/W PROJECT 1556-01-21
R/W PROJECT 1190-03-21
FIRST ADDITION TO SPOONER
PLAT OF THE VILLAGE OF SPOONER
CSM 1630 VOL 7 PG 51

DOCUMENT# **390663**
Recorded on **05-28-2020 at 12:20 PM** Pages: **1**
Fee Amount: **$25.00** County: **WASHBURN** State

RENEE M. BELL REGISTER OF DEEDS
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WisDOT - NW Region - Eau Claire / Superior - PC

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1560-00-20 - 4.02
AMENDMENT NO:___

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), WASHBURN 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 LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN SPOONER.

ANY AREA CURRENTLY OCCUPIED BY A BUILDING IS EXCEPTED FROM TLE ACQUISITION ON THIS TRANSPORTATION PROJECT PLAT.

SCALE, FEET 0 30 60

GN

IP 1142

33' ASH STREET

N63° 39' 39"W PL

END 3 1/2" BRASS CAP
Y = 569,793.055
X = 741,398.686

MATCHLINE SEE SHEET 4.03

N88°26'53"W 439.41'

N1°33'07"E 1555.85'

CITY OF SPOONER

ORIGINAL PLAT OF THE VILLAGE OF SPOONER

BLOCK 10

ALLEY

CSM # 1630 VOL. 7, PG. 51 DOC. # 212437

IP 1143

DETAIL A NOT TO SCALE

DETAIL B NOT TO SCALE

SEE DETAIL A

SEE DETAIL B

TLE SLOPES 94 S.F.

TLE SLOPES 958 S.F.

TLE SLOPES 539 S.F.

TLE SLOPES 697 S.F.

TLE SLOPES 992 S.F.

TLE SLOPES 286 S.F.

TLE SLOPES 118 S.F.

TLE BUILDING REMOVAL 9682 SF

TLE SLOPES 999 S.F.

TLE SLOPES 1218 S.F.

TLE SLOPES 1869 S.F.

TLE SLOPES 1282 S.F.

TLE SLOPES 238 S.F.

CURVE DATA

CURVE	245-246
LENGTH	31.36'
RADIUS	27.00'
LONG CHORD	29.63'
CHORD BEARING	N70°14'24"E

R/W COURSE TABLE

223-225	S64°06'28"E	38.28'
225-226	S26°11'03"W	33.37'
226-227	S43°42'12"W	14.22'
227-228	S26°25'55"W	135.97'
228-229	S26°25'55"W	20.00'
229-230	S26°25'55"W	134.82'
230-231	S09°51'24"W	10.40'
231-232	S44°00'23"E	13.88'
232-233	S26°17'12"W	66.00'
233-234	N82°40'09"W	13.76'
234-235	S42°11'03"W	11.21'
235-236	S26°15'57"W	134.79'
236-237	S26°15'57"W	20.00'
237-248	S26°15'57"W	104.79'
248-254	S11°52'11"W	20.59'
254-249	S43°41'47"E	5.14'
249-257	S63°15'57"E	6.00'
257-256	S26°44'03"W	7.12'
256-242	S14°22'15"E	12.74'
242-243	S40°11'01"E	10.22'
243-239	S66°18'13"E	43.70'
239-238	S25°35'10"W	33.15'
238-241	N63°41'20"W	110.42'
241-200	N63°41'20"W	141.86'
200-250	N23°55'21"E	33.02'
250-244	S63°43'28"E	31.71'
244-245	S76°29'08"E	56.84'
245-246	SEE CURVE DATA	
246-247	N36°58'18"E	12.59'
247-205	N26°15'57"E	104.49'
205-206	N26°15'57"E	20.00'
206-207	N26°15'57"E	134.69'
207-208	N05°33'06"E	10.68'
208-209	N42°16'20"W	12.23'
209-210	N25°27'59"E	66.00'
210-211	S84°01'39"E	13.91'
211-212	N42°36'59"E	10.78'
212-214	N26°14'44"E	135.01'
214-215	N26°14'44"E	20.00'
215-216	N26°14'44"E	126.65'
216-219	N01°04'32"W	23.25'
219-220	N23°24'55"W	4.34'
220-222	N26°30'35"E	31.70'
222-223	S64°06'28"E	46.83'

FEE STATION OFFSET

POINT NAME	STATION	OFFSET	Y COORDS	X COORDS
200	1262+45.94'USH63'	141.74'LT	567620.820	740449.068
205	1264+35.56'USH63'	33.09'LT	567737.463	740627.848
206	1264+55.56'USH63'	33.08'LT	567755.398	740636.699
207	1265+90.25'USH63'	33.04'LT	567876.180	740696.304
208	1266+00.24'USH63'	36.81'LT	567886.808	740697.337
209	1266+04.71'USH63'	48.19'LT	567895.858	740689.111
210	1266+70.71'USH63'	49.09'LT	567955.447	740717.491
211	1266+75.53'USH63'	36.04'LT	567953.999	740731.328
212	1266+85.87'USH63'	33.00'LT	567961.929	740738.624
214	1268+20.88'USH63'	33.00'LT	568083.019	740798.327
215	1268+40.88'USH63'	33.00'LT	568100.957	740807.172
216	1269+67.52'USH63'	33.00'LT	568214.547	740863.177
219	1269+88.18'USH63'	43.67'LT	568237.789	740862.741
220	1269+90.99'USH63'	46.98'LT	568241.770	740861.017
222	1270+22.68'USH63'	46.83'LT	568270.133	740875.164
223	1270+22.97'USH63'	0.00'RT	568249.681	740917.296
225	1270+23.21'USH63'	38.28'RT	568232.965	740951.734
226	1269+89.84'USH63'	38.32'RT	568203.022	740937.011
227	1269+76.28'USH63'	34.05'RT	568192.744	740927.188
228	1268+40.31'USH63'	33.61'RT	568070.989	740866.663
229	1268+20.31'USH63'	33.55'RT	568053.080	740857.760
230	1266+85.49'USH63'	33.11'RT	567932.357	740797.749
231	1266+75.52'USH63'	36.04'RT	567922.110	740795.969
232	1266+70.82'USH63'	49.11'RT	567912.125	740805.614
233	1266+04.82'USH63'	49.06'RT	567852.949	740776.385
234	1266+00.36'USH63'	36.04'RT	567854.706	740762.733
235	1265+89.59'USH63'	32.96'RT	567846.403	740755.209
236	1264+54.80'USH63'	32.92'RT	567725.532	740695.560
237	1264+34.80'USH63'	32.91'RT	567707.597	740686.709
238	1262+51.72'USH63'	110.42'RT	567508.999	740675.211
239	1262+84.74'USH63'	110.04'RT	567538.901	740689.528
241	1262+51.72'USH63'	0.00'	567557.942	740576.230
242	1262+91.46'USH63'	57.05'RT	567568.360	740644.971
243	1262+87.37'USH63'	66.42'RT	567560.550	740651.566
244	1262+84.86'USH63'	111.49'LT	567636.969	740490.887
245	1262+97.38'USH63'	56.05'LT	567623.686	740546.153
246	1263+18.70'USH63'	35.47'LT	567633.703	740574.036
247	1263+31.07'USH63'	33.13'LT	567643.761	740581.607
248	1263+30.01'USH63'	32.87'RT	567613.626	740640.335
249	1263+08.30'USH63'	42.82'RT	567589.753	740639.652
250	1262+84.87'USH63'	143.20'LT	567651.005	740462.458
254	1263+10.06'USH63'	37.98'RT	567593.471	740636.099
256	1263+01.13'USH63'	48.75'RT	567580.699	740641.809
257	1263+08.24'USH63'	48.82'RT	567587.054	740645.010

MONUMENT TABLE

POINT NAME	X COORDS	Y COORDS	DESCRIPTION
1121	740785.9320	567681.338	1" IRON PIPE
1134	740964.2110	568000.825	3/4" IRON PIPE
1142	740703.7330	568319.636	1" IRON PIPE
1143	740637.4300	568185.087	1" IRON PIPE

TLE STATION OFFSET

POINT NAME	STATION	OFFSET
240	1263+43.71'USH63'	109.28'LT
251	1262+98.95'USH63'	137.76'LT
252	1262+98.97'USH63'	132.09'LT
253	1262+84.87'USH63'	132.10'LT
255	1262+94.74'USH63'	110.04'RT
258	1264+55.47'USH63'	50.00'LT
259	1264+60.85'USH63'	40.00'LT
264	1265+93.17'USH63'	40.00'LT
265	1265+96.71'USH63'	48.33'LT
266	1265+96.53'USH63'	83.01'LT
267	1266+04.53'USH63'	83.03'LT
268	1266+70.54'USH63'	80.92'LT
269	1266+78.04'USH63'	80.94'LT
270	1266+78.20'USH63'	50.45'LT
271	1266+82.06'USH63'	40.00'LT
272	1268+15.35'USH63'	40.00'LT
273	1268+20.86'USH63'	45.00'LT
274	1268+40.86'USH63'	45.00'LT
275	1268+43.33'USH63'	40.00'LT
276	1269+79.75'USH63'	40.00'LT
277	1269+79.75'USH63'	43.70'LT
279	1269+88.30'USH63'	79.05'LT
280	1269+91.04'USH63'	79.05'LT
281	1269+89.86'USH63'	48.28'RT

TLE STATION OFFSET

POINT NAME	STATION	OFFSET
282	1269+63.52'USH63'	40.00'RT
283	1268+40.32'USH63'	40.00'RT
284	1268+20.32'USH63'	40.00'RT
285	1267+92.07'USH63'	40.00'RT
290	1267+37.06'USH63'	42.00'RT
291	1266+80.31'USH63'	42.00'RT
292	1266+80.41'USH63'	85.06'RT
293	1266+70.91'USH63'	85.08'RT
294	1266+04.87'USH63'	68.98'RT
295	1265+99.90'USH63'	69.00'RT
296	1265+99.82'USH63'	45.00'RT
297	1264+54.81'USH63'	45.00'RT
298	1264+34.81'USH63'	40.00'RT
299	1263+22.65'USH63'	40.00'RT
300	1262+94.76'USH63'	67.86'RT

UTILITY EASEMENT TABLE

UTILITY NUMBER	PARCEL (S)	RECORDING INFORMATION	UTILITY NAME
200	1	NO RECORDED EASEMENT	WE ENERGIES
201	9,11, & 13	NO RECORDED EASEMENT	SPOONER MUNICIPAL UTILITIES

NOT TO SCALE

R-13-W R-12-W

T-39-N

T-38-N

PROJECT LOCATION

SHEET LOCATION

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W NEW SF	R/W EXISTING SF	R/W TOTAL SF	TLE SF
1	MARJORIE ELLEN COSTELLO	FEE & TLE	805	0.00	805	9682
2	MICHAEL A. SPAFFORD	TLE	0.00	0.00	0.00	286
3	IDLEWILD PROPERTIES, INC.	FEE & TLE	62	0.00	62	992
4	JERRY G. THOMPSON & DEBRA A THOMPSON	FEE & TLE	75	0.00	75	697
5	MARY JANE PAHOS	TLE	0.00	0.00	0.00	118
6	DAVID R. MASTERJOHN	FEE & TLE	32	0.00	32	539
7	SHELL LAKE BANK	FEE & TLE	273	0.00	273	1052
9	GENE M. THOMPSON	FEE & TLE	589	0.00	589	1282
10	ARCHLAND PROPERTY 1 LLC	FEE & TLE	20	0.00	20	238
11	WASHBURN COUNTY, A BODY POLITIC	FEE & TLE	59	0.00	59	1869
12	TIMOTHY R. TYLER & CHERYL TYLER	FEE & TLE	60	0.00	60	1218
13	MICHAEL J. LEHMANN & JILL A. LEHMANN	FEE & TLE	29	0.00	29	999

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER IF DEEDS, IN WASBURN COUNTY AS SHEET 2 OF 2 OF DOCUMENT NO. 387260

OWNERS NAMES SHOWN FOR REFERENCE PURPOSES ONLY AND SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT

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

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

SIGNATURE: DATE: 5/27/2020
PRINT NAME: JASON L. CANCE
REGISTRATION NUMBER: S-2688

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION
NORTHWEST REGION, SUPERIOR OFFICE
SIGNATURE: DATE: 5/27/2020
PRINT NAME: DEBRA B. STENSLAND

4.02
280
PLOT SCALE : 1 IN:60 FT
PLOT NAME : \\SEHRL\PROJECTS\UZ\WV\WTNW\137959\C3D\156000702\RW\040102 RP-NEW.DWG
PLOT BY : Nick Engh
PLOT DATE : 5/27/2020 8:52 PM
PLOT DATE :
FILE NAME : \\SEHRL\PROJECTS\UZ\WV\WTNW\137959\C3D\156000702\RW\040102 RP-NEW.DWG
APPRAISAL PLAT DATE : 5/27/2020

TRANSPORTATION PROJECT PLAT NO: 1560-00-20 - 4.03

BEING A PART OF LOT 12, BLOCK 2, PART OF LOT 1, BLOCK 3, PART OF LOTS 6 AND 7, BLOCK 8, AND PART OF LOT 7, BLOCK 9, ALL IN THE ORIGINAL PLAT OF THE VILLAGE OF SPOONER, VOLUME 1 MISCELLANEOUS, PAGE 56, DOCUMENT NO. 237, LOCATED IN THE NORTHEAST 1/4 OF THE NORTHEAST 1/4, ALSO BEING A PART OF LOTS 1 AND 12, BLOCK 2, AND PART OF LOTS 6 AND 7, BLOCK 9, ALL IN THE ORIGINAL PLAT OF THE VILLAGE OF SPOONER, VOLUME 1 MISCELLANEOUS, PAGE 56, DOCUMENT NO. 237, LOCATED IN THE SOUTHEAST 1/4 OF THE NORTHEAST 1/4 OF SECTION 31, TOWN 39 NORTH, RANGE 12 WEST, CITY OF SPOONER, WASHBURN COUNTY, WISCONSIN.

USH 63 SPOONER - HAYWARD, GREENWOOD AVE TO POPLAR STREET, WASHBURN 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.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), WASHBURN 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 LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN SPOONER.

ANY AREA CURRENTLY OCCUPIED BY A BUILDING IS EXCEPTED FROM TLE ACQUISITION ON THIS TRANSPORTATION PROJECT PLAT.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 IN DOCUMENT NO. 387260 FOR ADDITIONAL INFORMATION.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
PLAT OF THE VILLAGE OF SPOONER

MONUMENT TABLE			
POINT NAME	X COORDS	Y COORDS	DESCRIPTION
1154	741238.3700	568485.469	1" IRON PIPE
1155	741283.1360	568463.469	3/4" IRON PIPE
1158	741171.8230	568351.146	3/4" IRON PIPE

GN

0 30 60
SCALE, FEET

DOCUMENT# **389052**
Recorded on **01-10-2020** at **01:57 PM** Pages: **1**
Fee Amount: **$25.00** County: **WASHBURN** State: **WI**

RENEE M. BELL REGISTER OF DEEDS
****The above recording information verifies this document has been electronically recorded and returned to
WisDOT - NW Region - Eau Claire / Superior - PO 39500

281

AMENDMENT NO:___

SCHEDULE OF LANDS & INTERESTS REQUIRED						
PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W NEW SF	R/W EXISTING SF	R/W TOTAL SF	TLE SF
4	JERRY G. THOMPSON & DEBRA A THOMPSON	TLE	0.00	0.00	0.00	1271
8	CITY OF SPOONER	FEE & TLE	86	0.00	86	939
14	KATHRYN ZUMBRUNNEN & GREGORY L. ROACH	FEE & TLE	74	0.00	74	697
16	NORTHWOODS HARDWARE HANK, INC A WISCONSIN CORPORATION	TLE	0.00	0.00	0.00	665
17	KAREN LESTINA & WILLIAM CHAPMAN	FEE & TLE	85	0.00	85	1411
18	BLIZZARD NORTH, LLC	TLE	0.00	0.00	0.00	91
19	TOP-O-WISCONSIN	FEE & TLE	96	0.00	96	1422
21	COMMUNITY BANK OF NORTHERN WISCONSIN	FEE & TLE	79	0.00	79	1631
22	MRM REAL ESTATE, LLC	TLE	0.00	0.00	0.00	477

FEE STATION OFFSET				
POINT NAME	STATION	OFFSET	Y COORDS	X COORDS
223	1270+22.97'USH63'	0.00'RT	568249.681	740917.296
301	1270+22.68'USH63'	47.64'LT	568270.488	740874.433
302	1270+56.99'USH63'	47.48'LT	568301.191	740889.748
303	1270+63.76'USH63'	35.90'LT	568302.140	740903.134
304	1270+73.80'USH63'	32.95'LT	568309.845	740910.223
305	1272+06.89'USH63'	32.72'LT	568429.113	740969.278
306	1272+26.89'USH63'	32.69'LT	568447.036	740978.153
307	1273+76.82'USH63'	32.44'LT	568581.395	741044.681
308	1273+76.82'USH63'	47.77'LT	568588.181	741030.929
310	1274+42.82'USH63'	47.75'LT	568647.368	741060.133
311	1274+51.30'USH63'	35.79'LT	568649.678	741074.611
312	1274+59.23'USH63'	33.05'LT	568655.581	741080.570
313	1275+92.35'USH63'	33.06'LT	568774.984	741139.436
314	1276+12.35'USH63'	33.06'LT	568792.922	741148.279
315	1277+61.88'USH63'	33.07'LT	568927.042	741214.401
316	1277+95.21'USH63'	33.02'LT	568956.915	741229.182
318	1277+95.76'USH63'	0.00'	568942.803	741259.039
319	1277+96.30'USH63'	32.90'RT	568928.741	741288.791
320	1277+62.24'USH63'	32.93'RT	568898.175	741273.755
321	1276+12.77'USH63'	32.94'RT	568764.108	741207.659
322	1275+92.77'USH63'	32.94'RT	568746.169	741198.815
323	1274+59.94'USH63'	32.95'RT	568627.032	741140.080
324	1274+51.71'USH63'	35.78'RT	568618.398	741138.986
325	1274+43.22'USH63'	47.69'RT	568605.524	741145.912
326	1274+43.22'USH63'	49.13'RT	568604.880	741147.201
328	1273+77.22'USH63'	48.83'RT	568545.817	741117.749
329	1273+69.25'USH63'	36.25'RT	568544.228	741102.942
330	1273+64.55'USH63'	33.54'RT	568541.216	741098.434
331	1272+26.56'USH63'	33.31'RT	568417.551	741037.201
332	1272+06.56'USH63'	33.28'RT	568399.628	741028.327
333	1270+74.00'USH63'	33.05'RT	568280.836	740969.507
334	1270+64.49'USH63'	35.85'RT	568271.073	740967.810
335	1270+55.86'USH63'	49.34'RT	568257.364	740976.097
336	1270+23.27'USH63'	49.38'RT	568228.119	740961.717

OWNERS NAMES SHOWN FOR REFERENCE PURPOSES ONLY AND SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT

FND 3 1/2" BRASS CAP
Y = 569,793.055
X = 741,398.686

FND 3 1/2" BRASS CAP
Y = 567,149.223
X = 741,327.052

IP 1154

IP 1155

IP 1158

APPROXIMATE SIXTEENTH LINE

MATCHLINE SEE SHEET 4.02

MATCHLINE SEE SHEET 4.04

N88°26'53"W 116.57'

N1°33'07"E 853.72'

N1°33'07"E 1791.08'

WALNUT STREET

N63° 49' 29"W

S63° 41' 24"E

N26° 14' 44"E

BLOCK 8 ALLEY

BLOCK 9 ALLEY

BLOCK 3 ALLEY

BLOCK 2 ALLEY

VILLAGE OF SPOONER

PLAT OF THE

CITY OF SPOONER

NE - NE

SE - NE

OAK STREET

N63° 44' 14"W

N63° 29' 47"W

ASH STREET

N63° 39' 39"W

N63° 52' 43"W

USH 63 RIVER STREET

N26° 14' 44"E

TLE SLOPES 91 S.F.

TLE SLOPES 61 S.F.

TLE SLOPES 1350 S.F.

TLE SLOPES 477 S.F.

TLE SLOPES 939 S.F.

TLE SLOPES 1631 S.F.

TLE SLOPES 348 S.F.

TLE SLOPES 317 S.F.

TLE SLOPES 697 S.F.

TLE SLOPES 1271 S.F.

TLE SLOPES 1422 S.F.

R/W COURSE TABLE	
318-319	S64°42'07"E 32.91'
319-320	S26°11'41"W 34.06'
320-321	S26°14'37"W 149.47'
321-322	S26°14'37"W 20.00'
322-323	S26°14'37"W 132.83'
323-324	S07°13'25"W 8.70'
324-325	S28°16'46"E 14.62'
325-326	S63°29'47"E 1.44'
326-328	S26°30'13"W 66.00'
328-329	S83°52'39"W 14.89'
329-330	S56°14'44"W 5.42'
330-331	S26°20'32"W 137.99'
331-332	S26°20'32"W 20.00'
332-333	S26°20'32"W 132.56'
333-334	S09°51'24"W 9.91'
334-335	S31°09'09"E 16.02'
335-336	S26°11'03"W 32.59'
336-223	N64°06'28"W 49.38'
223-301	N64°06'28"W 47.65'
301-302	N26°30'35"E 34.31'
302-303	N85°56'38"E 13.42'
303-304	N42°36'59"E 10.47'
304-305	N26°20'32"E 133.09'
305-306	N26°20'32"E 20.00'
306-307	N26°20'32"E 149.93'
307-308	N63°44'14"W 15.34'
308-310	N26°15'46"E 66.00'
310-311	N80°56'10"E 14.66'
311-312	N45°16'04"E 8.39'
312-313	N26°14'37"E 133.12'
313-314	N26°14'37"E 20.00'
314-315	N26°14'37"E 149.53'
315-316	N26°19'33"E 33.33'
316-318	S64°42'07"E 33.02'

TLE STATION OFFSET			TLE STATION OFFSET		
POINT NAME	STATION	OFFSET	POINT NAME	STATION	OFFSET
344	1270+56.29'USH63'	82.22'LT	372	1276+25.99'USH63'	39.98'LT
345	1270+58.85'USH63'	82.20'LT	373	1276+25.95'USH63'	33.59'LT
346	1270+58.73'USH63'	62.08'LT	374	1275+92.75'USH63'	40.00'RT
347	1270+63.76'USH63'	61.97'LT	376	1274+99.98'USH63'	40.00'RT
348	1270+63.73'USH63'	50.00'LT	377	1274+99.98'USH63'	45.00'RT
349	1270+70.73'USH63'	45.00'LT	378	1274+48.24'USH63'	45.00'RT
350	1271+15.00'USH63'	45.00'LT	379	1274+48.06'USH63'	83.94'RT
351	1271+15.00'USH63'	35.00'LT	380	1274+43.06'USH63'	83.92'RT
355	1272+00.00'USH63'	35.00'LT	381	1273+77.06'USH63'	83.57'RT
356	1272+06.90'USH63'	40.00'LT	382	1273+69.80'USH63'	83.59'RT
357	1272+26.90'USH63'	40.00'LT	383	1273+69.88'USH63'	64.76'RT
358	1272+74.21'USH63'	40.00'LT	384	1273+47.76'USH63'	40.00'RT
359	1272+74.21'USH63'	32.61'LT	385	1272+52.29'USH63'	40.00'RT
360	1274+42.73'USH63'	62.61'LT	386	1272+52.29'USH63'	45.00'RT
361	1274+53.91'USH63'	62.61'LT	387	1272+26.54'USH63'	45.00'RT
362	1274+54.02'USH63'	50.00'LT	388	1272+06.54'USH63'	50.00'RT
363	1275+66.13'USH63'	50.00'LT	394	1270+69.71'USH63'	50.00'RT
367	1275+66.08'USH63'	35.00'LT	395	1270+69.73'USH63'	58.90'RT
368	1275+90.86'USH63'	35.00'LT	396	1270+62.00'USH63'	90.00'RT
369	1275+90.86'USH63'	40.00'LT	397	1270+55.95'USH63'	90.00'RT
370	1275+92.35'USH63'	40.00'LT			
371	1276+12.35'USH63'	40.00'LT			

NOT TO SCALE

SHEET LOCATION

PROJECT LOCATION

R-13-W R-12-W T-39-N T-38-N

I, JASON L. CANCE PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: DATE: 1/9/2020
PRINT NAME: JASON L. CANCE
REGISTRATION NUMBER: S-2688

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION
NORTHWEST REGION, SUPERIOR OFFICE
SIGNATURE: DATE: 1/9/2020
PRINT NAME: DEBRA B. STENSLAND

SEH
10 N BRIDGE ST
CHIPPEWA FALLS WI 54729

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

PLOT SCALE : 1 IN:60 FT
PLOT NAME :
PLOT BY : Nick Engh
PLOT DATE : 1/10/2020 10:13 AM
PLOT DATE :
FILE NAME : \\SEHRL\PROJECTS\U2\WV\WTNW\137959\C3D\15600070\RW\040102 RP.DWG
APPRAISAL PLAT DATE : 10/01/2019

TRANSPORTATION PROJECT PLAT NO: 1560-00-20 - 4.04

BEING A PART OF LOT 12, BLOCK 4, PART OF LOTS 6 AND 7, BLOCK 7, PART OF LOT 6, BLOCK 6, ALL IN THE ORIGINAL PLAT OF THE VILLAGE OF SPOONER, VOLUME 1 MISCELLANEOUS, PAGE 56, DOCUMENT NO. 237, PART OF CERTIFIED SURVEY MAP VOL.3 PG 48, DOCUMENT NO. 157478, LOCATED IN THE NORTHEAST 1/4 OF THE NORTHEAST 1/4 OF SECTION 31, ALSO BEING PART OF LOT 12, BLOCK 4, PART OF LOTS 1 AND 12, BLOCK 5, PART OF LOTS 6 AND 7, BLOCK 6, PART OF LOT 7, BLOCK 7, ALL IN THE ORIGINAL PLAT OF THE VILLAGE OF SPOONER, VOLUME 1 MISCELLANEOUS, PAGE 56, DOCUMENT NO. 237, LOCATED IN THE NORTHWEST 1/4 OF THE NORTHWEST 1/4 OF SECTION 32, ALL IN TOWN 39 NORTH, RANGE 12 WEST, CITY OF SPOONER, WASHBURN COUNTY, WISCONSIN.

USH 63 SPOONER - HAYWARD, GREENWOOD AVE TO POPLAR STREET, WASHBURN 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.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), WASHBURN 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 LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN SPOONER.

ANY AREA CURRENTLY OCCUPIED BY A BUILDING IS EXCEPTED FROM TLE ACQUISITION ON THIS TRANSPORTATION PROJECT PLAT.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 IN DOCUMENT NO. 387260 FOR ADDITIONAL INFORMATION.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
PLAT OF THE VILLAGE OF SPOONER
CSM VOL 3 PG 48

MONUMENT TABLE			
POINT NAME	X COORDS	Y COORDS	DESCRIPTION
1172	741324.7790	569376.545	3/4" REBAR
1173	741414.3960	569332.414	1" IRON PIPE WITH CAP
1176	741444.4550	569243.996	3/4" IRON PIPE
1177	741400.2610	569154.472	3/4" IRON PIPE
1182	741705.7600	569378.039	1/2" REBAR
1183	741489.7690	569484.962	3/4" REBAR
1186	741556.2170	569619.272	1" IRON PIPE WITH CAP

DOCUMENT#: **389036**
Recorded on **01-10-2020** at **08:38 AM** Pages: **1**
Fee Amount: **$25.00** County: **WASHBURN** State: **WI**

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RENEE M. BELL REGISTER OF DEEDS
***The above recording information verifies this document has been electronically recorded and returned to
WisDOT - NW Region - Eau Claire / Superior - PO 3950C

SCHEDULE OF LANDS & INTERESTS REQUIRED						
PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W NEW SF	R/W EXISTING SF	R/W TOTAL SF	TLE SF
8	CITY OF SPOONER	FEE & TLE	48	0.00	48	808
26	STEPHEN OLSEN	TLE	0.00	0.00	0.00	19
27	JEFFERY C. PILLER & MARY K. PILLER	FEE & TLE	88	0.00	88	485
28	NORTH 40 INVESTMENTS LLC	FEE & TLE	76	0.00	76	750
29	CIRCLE K	FEE & TLE	155	0.00	155	1377
31	RED CROSS PHARMACY	TLE	0.00	0.00	0.00	839
32	JOHNSON BANK HAYWARD	FEE & TLE	91	0.00	91	684
33	BANK OF SPOONER	FEE & TLE	167	0.00	167	1915
34	COMMUNITY FIRST STATE BANK	TLE	0.00	0.00	0.00	1164

OWNERS NAMES SHOWN FOR REFERENCE PURPOSES ONLY AND SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT

FEE STATION OFFSET				
POINT NAME	STATION	OFFSET	Y COORDS	X COORDS
318	1277+95.76'USH63'	0.00'	568942.803	741259.039
319	1277+96.30'USH63'	32.90'RT	568928.741	741288.791
400	1277+95.22'USH63'	40.31'LT	568960.010	741222.635
401	1278+27.87'USH63'	40.26'LT	568989.411	741237.131
402	1278+41.30'USH63'	33.04'LT	568998.264	741249.544
403	1279+77.90'USH63'	32.98'LT	569120.744	741310.007
404	1279+97.90'USH63'	32.97'LT	569138.677	741318.860
405	1281+32.70'USH63'	32.90'LT	569259.559	741378.534
406	1281+47.91'USH63'	44.46'LT	569278.309	741374.886
407	1281+47.91'USH63'	45.34'LT	569278.697	741374.099
409	1282+13.91'USH63'	45.46'LT	569337.945	741403.180
410	1282+26.06'USH63'	32.94'LT	569343.307	741419.782
411	1283+63.91'USH63'	32.79'LT	569466.879	741480.875
412	1283+83.91'USH63'	32.77'LT	569484.807	741489.738
413	1284+81.37'USH63'	32.66'LT	569572.173	741532.931
414	1284+81.37'USH63'	33.50'LT	569572.542	741532.182
415	1285+15.26'USH63'	33.50'LT	569602.938	741547.168
416	1285+23.85'USH63'	36.20'LT	569611.841	741548.545
417	1285+33.86'USH63'	50.25'LT	569627.030	741540.371
418	1285+65.66'USH63'	50.00'LT	569655.446	741554.658
419	1285+65.29'USH63'	0.00'	569633.003	741599.343
420	1285+65.75'USH63'	47.30'RT	569612.498	741641.968
421	1285+32.75'USH63'	47.62'RT	569582.760	741627.663
422	1285+24.25'USH63'	35.77'RT	569580.376	741613.277
423	1285+16.63'USH63'	33.37'RT	569574.601	741607.757
424	1283+83.26'USH63'	33.23'RT	569455.038	741548.646
425	1283+63.26'USH63'	33.21'RT	569437.109	741539.782
426	1282+30.80'USH63'	33.07'RT	569318.368	741481.077
427	1282+21.91'USH63'	35.86'RT	569309.162	741479.654
429	1282+13.94'USH63'	49.03'RT	569296.191	741487.948
431	1281+47.94'USH63'	49.13'RT	569236.954	741458.846
432	1281+39.45'USH63'	35.87'RT	569235.198	741443.195
433	1281+31.29'USH63'	33.10'RT	569229.105	741437.104
434	1279+98.07'USH63'	33.03'RT	569109.646	741378.133
435	1279+78.07'USH63'	33.02'RT	569091.713	741369.280
436	1278+28.24'USH63'	32.95'RT	568957.363	741302.957

R/W COURSE TABLE		
318-400	N64°42'07"W	40.26'
400-401	N26°14'44"E	32.78'
401-402	N54°30'08"E	15.25'
402-403	N26°16'25"E	136.59'
403-404	N26°16'25"E	20.00'
404-405	N26°16'25"E	134.81'
405-406	N11°00'33"W	19.10'
406-407	N63°45'02"W	0.88'
407-409	N26°08'35"E	66.00'
409-410	N72°05'58"E	17.45'
410-411	N26°18'27"E	137.85'
411-412	N26°18'27"E	20.00'
412-413	N26°18'27"E	97.46'
413-414	N63°45'16"W	0.84'
414-415	N26°14'44"E	33.89'
415-416	N08°47'17"E	9.01'
416-417	N28°17'11"W	17.25'
417-418	N26°41'29"E	31.81'
418-419	S63°19'55"E	50.00'
419-420	S64°18'35"E	47.30'
420-421	S25°41'25"W	33.00'
421-422	S80°35'30"W	14.58'
422-423	S43°42'12"W	7.99'
423-424	S26°18'27"W	133.38'
424-425	S26°18'27"W	20.00'
425-426	S26°18'27"W	132.46'
426-427	S08°47'17"W	9.32'
427-429	S32°35'47"E	15.40'
429-431	S26°09'49"W	66.00'
431-432	S83°35'54"W	15.75'
432-433	S44°59'38"W	8.62'
433-434	S26°16'25"W	133.22'
434-435	S26°16'25"W	20.00'
435-436	S26°16'25"W	149.83'
436-319	S26°19'55"W	31.94'
319-318	N64°42'07"W	32.91'

TLE STATION OFFSET		
POINT NAME	STATION	OFFSET
445	1278+27.87'USH63'	45.00'LT
446	1278+61.71'USH63'	45.00'LT
447	1278+61.71'USH63'	33.03'LT
448	1279+41.33'USH63'	32.99'LT
449	1279+41.33'USH63'	35.00'LT
450	1279+68.23'USH63'	35.00'LT
451	1279+77.89'USH63'	40.00'LT
452	1280+45.25'USH63'	33.21'LT
453	1280+45.25'USH63'	40.00'LT
454	1280+47.89'USH63'	40.13'LT
455	1280+97.91'USH63'	40.00'LT
456	1281+33.78'USH63'	40.00'LT
457	1281+42.91'USH63'	46.94'LT
458	1281+42.40'USH63'	77.32'LT
459	1281+47.91'USH63'	77.26'LT
460	1282+13.91'USH63'	81.62'LT
461	1282+18.91'USH63'	81.62'LT
462	1282+18.91'USH63'	43.19'LT
463	1282+27.24'USH63'	34.61'LT
464	1283+09.74'USH63'	35.00'LT
465	1283+09.80'USH63'	38.92'LT
466	1283+35.05'USH63'	38.87'LT
467	1283+35.04'USH63'	40.00'LT
468	1283+58.05'USH63'	40.00'LT
469	1283+63.89'USH63'	45.00'LT
470	1283+83.89'USH63'	45.00'LT
471	1283+88.76'USH63'	40.00'LT
472	1285+17.35'USH63'	40.00'LT
473	1285+24.12'USH63'	49.51'LT
474	1285+24.04'USH63'	80.09'LT
475	1285+33.77'USH63'	80.12'LT
476	1285+33.06'USH63'	79.54'RT
477	1285+28.00'USH63'	55.00'RT
478	1285+20.00'USH63'	45.00'RT
481	1283+83.33'USH63'	45.00'RT
482	1283+63.30'USH63'	40.00'RT
483	1283+10.10'USH63'	40.00'RT
484	1283+10.09'USH63'	46.90'RT
485	1282+93.27'USH63'	46.90'RT
486	1282+93.27'USH63'	40.00'RT
487	1282+25.20'USH63'	40.00'RT
488	1282+18.95'USH63'	49.83'RT
489	1282+19.02'USH63'	75.77'RT
490	1282+14.02'USH63'	75.78'RT
492	1281+48.04'USH63'	80.00'RT
493	1281+34.92'USH63'	40.00'RT
499	1280+47.06'USH63'	40.00'RT
500	1280+47.06'USH63'	50.00'RT
501	1279+98.08'USH63'	50.00'RT

NOT TO SCALE

SHEET LOCATION

PROJECT LOCATION

I, JASON L. CANCE PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: DATE: 1/9/2020
PRINT NAME: JASON L. CANCE
REGISTRATION NUMBER: S-2688

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION
NORTHWEST REGION, SUPERIOR OFFICE
SIGNATURE: DATE: 1/9/2020
PRINT NAME: DEBORA B. STENSLAND

SEH
10 N BRIDGE ST
CHIPPEWA FALLS WI 54729

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

PLOT SCALE : 1 IN:60 FT
PLOT NAME : Nick Engh
PLOT BY : 1/9/2020 8:32 AM
PLOT DATE :
PLOT DATE :
FILE NAME : \\SEHRL\PROJECTS\U2\WI\WTNW\137959\C3D\15600070\RW\040102 RP.DWG
APPRAISAL PLAT DATE : 10/01/2019

TRANSPORTATION PROJECT PLAT NO: 1560-00-20 - 4.05

BEING A PART OF LOT 1, BLOCK 22, THIRD ADDITION TO THE VILLAGE OF SPOONER, ENVELOPE 146 A, DOCUMENT NO. 3423, BEING A PART OF CSM 3877 VOL 19, PG 47, DOCUMENT NO. 362862 LOCATED IN THE NORTHWEST 1/4 OF THE NORTHWEST 1/4 OF SECTION 32, ALSO PART OF LOT 12, BLOCK 22, PART OF LOTS 1 AND 12, BLOCK 23, PART OF LOTS 6 AND 7, BLOCK 26, PART OF LOT 4, BLOCK 27, ALL IN THE THIRD ADDITION TO THE VILLAGE OF SPOONER, ENVELOPE 146 A, DOCUMENT NO. 3423, BEING A PART OF CSM 3877 VOL 19, PG 47, DOCUMENT NO. 362862,LOCATED IN THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4, ALL IN SECTION 29, ALL IN TOWN 39 NORTH, RANGE 12 WEST, CITY OF SPOONER, WASHBURN COUNTY, WISCONSIN.

USH 63 SPOONER - HAYWARD, GREENWOOD AVE TO POPLAR STREET, WASHBURN 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.

UTILITY INTERESTS REQUIRED		
UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
201	SPOONER MUNICIPAL UTILITIES	RELEASE OF RIGHTS
204	CENTURYLINK	RELEASE OF RIGHTS

GN

DOCUMENT# **389037**
Recorded on **01-10-2020** at **08:41 AM** Pages: **1**
Fee Amount: **$25.00** County: **WASHBURN** State: **WI**

RENEE M. BELL REGISTER OF DEEDS
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283

AMENDMENT NO:___

0 30 60
SCALE, FEET

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), WASHBURN 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 LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN SPOONER.

ANY AREA CURRENTLY OCCUPIED BY A BUILDING IS EXCEPTED FROM TLE ACQUISITION ON THIS TRANSPORTATION PROJECT PLAT.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 IN DOCUMENT NO. 387260 FOR ADDITIONAL INFORMATION.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
THIRD ADDITION TO THE VILLAGE OF SPOONER
CSM NO. 3877, VOL. 19, PG. 47 DOC. # 362862

UTILITY EASEMENT TABLE			
UTILITY NUMBER	PARCEL	RECORDING INFORMATION	UTILITY NAME
201	36 & 37	NO RECORDED EASMENT	SPOOONER MUNICIPAL UTILITES
204	39	DOC # 166380	CENTURYLINK

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W NEW SF	R/W EXISTING SF	R/W TOTAL SF	TLE SF
36	CHRISTOPHER CARROLL	FEE & TLE	44	0.00	44	1070
37	JONATHAN E. DANGER	FEE & TLE	52	0.00	52	1148
38	JOSEPH SNIEZEWSKI	FEE & TLE	87	0.00	87	1180
39	JEFFERY L. SCALZO AND TAMERA J. SCALZO	TLE	0.00	0.00	0.00	347
41	LUVERNE A. PRESCOTT	TLE	0.00	0.00	0.00	438
42	LINDA C. SCHUSTER	FEE & TLE	47	0.00	47	363
43	ST. CROIX CHIPPEWA INDIANS OF WISCONSIN	FEE & TLE	89	0.00	89	675
44	MICHAEL R. KELLY & RACHEL L. KELLY	TLE	0.00	0.00	0.00	546
46	VICTORIA L. SHAFFER & DAVID R. SHAFFER	TLE	0.00	0.00	0.00	535
47	FLOODWOOD PROPERTY, LLC	FEE & TLE	42	0.00	42	586
48	DARYL P. GABRIEL & BETTY J. GABRIEL	FEE & TLE	92	0.00	92	614
49	MULTIMEDIA INNOVATION, LLC	TLE	0.00	0.00	0.00	474
51	THOMAS J. FREDRICKSON	TLE	0.00	0.00	0.00	355
52	AUSTIN D. NORTON & RUTH P. NORTON	TLE	0.00	0.00	0.00	353
53	RICHARD C. COQUILLETTE	FEE & TLE	86	0.00	86	1004

FEE STATION OFFSET

POINT NAME	STATION	OFFSET	Y COORDS	X COORDS
419	1285+65.29'USH63'	0.00'	569633.003	741599.343
510	1285+65.58'USH63'	38.31'LT	569650.198	741565.106
511	1285+99.89'USH63'	38.06'LT	569680.865	741580.508
512	1286+16.71'USH63'	32.77'LT	569693.613	741592.692
513	1287+49.76'USH63'	32.73'LT	569812.924	741651.565
514	1287+69.76'USH63'	32.72'LT	569830.860	741660.415
515	1289+01.38'USH63'	32.68'LT	569948.888	741718.654
516	1289+19.65'USH63'	38.43'LT	569967.819	741721.581
517	1289+19.71'USH63'	48.89'LT	569972.503	741712.229
519	1289+85.71'USH63'	48.47'LT	570031.516	741741.784
520	1289+94.01'USH63'	35.84'LT	570033.371	741756.787
521	1290+02.61'USH63'	33.14'LT	570039.884	741763.012
522	1291+35.88'USH63'	33.09'LT	570159.398	741821.995
523	1291+55.88'USH63'	33.08'LT	570177.333	741830.846
524	1292+88.87'USH63'	33.03'LT	570296.592	741889.703
525	1293+06.13'USH63'	38.46'LT	570314.473	741892.467
526	1293+06.11'USH63'	48.20'LT	570318.763	741883.713
527	1293+39.11'USH63'	48.28'LT	570348.396	741898.235
528	1293+39.03'USH63'	0.00'	570326.971	741941.505
530	1293+05.95'USH63'	49.44'RT	570275.436	741971.217
531	1293+05.94'USH63'	47.70'RT	570276.200	741969.652
532	1292+97.45'USH63'	35.78'RT	570273.859	741955.207
533	1292+88.54'USH63'	32.97'RT	570267.102	741948.749
534	1291+55.06'USH63'	32.92'RT	570147.406	741889.676
535	1291+35.06'USH63'	32.91'RT	570129.471	741880.825

OWNERS NAMES SHOWN FOR REFERENCE PURPOSES ONLY AND SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT

R/W COURSE TABLE

419-510	N63°19'56"W	38.31'
510-511	N26°40'04"E	34.32'
511-512	N43°42'12"E	17.63'
512-513	N26°15'49"E	133.05'
513-514	N26°15'49"E	20.00'
514-515	N26°15'49"E	131.61'
515-516	N08°47'17"E	19.16'
516-517	N63°23'51"W	10.46'
517-519	N26°36'09"E	66.00'
519-520	N82°57'03"E	15.12'
520-521	N43°42'12"E	9.01'
521-522	N26°16'03"E	133.28'
522-523	N26°16'03"E	20.00'
523-524	N26°16'03"E	132.99'
524-525	N08°47'17"E	18.09'
525-526	N63°53'35"W	9.75'
526-527	N26°06'25"E	33.00'
527-528	S63°39'28"E	48.28'
528-657	S63°39'28"E	49.31'
657-530	S26°01'39"W	33.00'
530-531	N63°58'21"W	1.74'
531-532	S80°47'41"W	14.63'
532-533	S43°42'12"W	9.35'
533-534	S26°16'03"W	133.48'
534-535	S26°16'03"W	20.00'
535-536	S26°16'03"W	133.15'
536-537	S08°47'17"W	10.05'
537-538	S32°00'26"E	15.53'
538-540	S26°22'49"W	66.00'
540-541	N63°29'18"W	10.47'
541-542	S43°42'12"W	17.14'
542-543	S26°15'49"W	133.43'
543-544	S26°15'49"W	20.00'
544-545	S26°15'49"W	133.07'
545-546	S08°47'17"W	8.85'
546-547	S32°25'42"E	15.65'
547-548	S25°41'25"W	33.00'
548-419	N64°18'35"W	49.58'

TLE STATION OFFSET

POINT NAME	STATION	OFFSET
555	1285+99.87'USH63'	47.77'LT
556	1286+07.66'USH63'	40.00'LT
557	1287+49.77'USH63'	40.00'LT
558	1287+95.09'USH63'	32.71'LT
559	1287+95.09'USH63'	50.00'LT
560	1288+09.94'USH63'	50.00'LT
561	1288+29.47'USH63'	40.00'LT
562	1289+02.01'USH63'	40.00'LT
563	1289+19.69'USH63'	45.00'LT
564	1289+85.92'USH63'	82.04'LT
565	1289+90.92'USH63'	82.01'LT
566	1289+90.72'USH63'	49.96'LT
567	1289+97.26'USH63'	40.00'LT
568	1290+43.08'USH63'	40.00'LT
569	1290+43.08'USH63'	45.00'LT
570	1290+68.08'USH63'	45.00'LT
571	1290+68.08'USH63'	40.00'LT
572	1291+35.90'USH63'	40.00'LT
573	1291+55.90'USH63'	40.00'LT
574	1292+38.48'USH63'	40.00'LT
575	1292+38.48'USH63'	45.00'LT
576	1292+62.47'USH63'	45.00'LT
577	1292+62.47'USH63'	40.00'LT
578	1292+94.38'USH63'	40.00'LT
579	1293+06.12'USH63'	45.00'LT
580	1293+06.07'USH63'	82.98'RT
581	1293+01.07'USH63'	83.00'RT
582	1293+00.95'USH63'	49.46'RT
583	1292+94.32'USH63'	40.00'RT
584	1292+64.94'USH63'	40.00'RT
585	1292+64.94'USH63'	45.00'RT
586	1292+37.88'USH63'	45.00'RT
587	1292+37.88'USH63'	40.00'RT
588	1291+55.05'USH63'	40.00'RT
589	1291+35.05'USH63'	40.00'RT
590	1290+56.62'USH63'	40.00'RT
591	1290+56.62'USH63'	45.00'RT
592	1290+31.21'USH63'	45.00'RT
593	1290+31.21'USH63'	40.00'RT
594	1290+00.00'USH63'	40.00'RT
595	1289+90.00'USH63'	55.00'RT
596	1289+90.00'USH63'	83.95'RT
597	1289+83.99'USH63'	83.97'RT
598	1288+89.76'USH63'	40.00'RT
599	1287+75.00'USH63'	40.00'RT
600	1287+75.00'USH63'	40.00'RT
601	1287+68.46'USH63'	50.00'RT
602	1287+48.46'USH63'	50.00'RT
603	1287+40.00'USH63'	40.00'RT
604	1286+10.26'USH63'	40.00'RT
605	1286+03.79'USH63'	50.64'RT
606	1286+04.11'USH63'	84.26'RT
607	1285+99.11'USH63'	84.31'RT

FEE STATION OFFSET

POINT NAME	STATION	OFFSET	Y COORDS	X COORDS
536	1290+01.91'USH63'	32.86'RT	570010.073	741821.899
537	1289+92.33'USH63'	35.88'RT	570000.146	741820.365
538	1289+84.15'USH63'	49.09'RT	569986.975	741828.597
540	1289+18.15'USH63'	48.93'RT	569927.848	741799.271
541	1289+18.20'USH63'	38.46'RT	569932.520	741789.904
542	1289+01.85'USH63'	33.32'RT	569920.128	741778.061
543	1287+68.42'USH63'	33.28'RT	569800.474	741719.018
544	1287+48.42'USH63'	33.27'RT	569782.538	741710.168
545	1286+15.36'USH63'	33.23'RT	569663.210	741651.287
546	1286+06.91'USH63'	35.89'RT	569654.460	741649.935
547	1285+98.77'USH63'	49.26'RT	569641.247	741658.329
548	1285+65.77'USH63'	49.58'RT	569611.509	741644.023
657	1293+38.95'USH63'	49.31'RT	570305.089	741985.698

MONUMENT TABLE

POINT NAME	X COORDS	Y COORDS	DESCRIPTION
1191	741651.6080	569812.912	1" IRON PIPE
1192	741629.6970	569768.708	1" IRON PIPE HIT

FND 3 1/2 BRASS CAP
Y = 569,793.055
X = 741,398.686

FND 3 1/2" BRASS CAP
Y = 569,773.970
X = 744,085.934

CSM # 3877
VOL. 19, PG. 47
DOC. # 362862

NOT TO SCALE

R-13-W R-12-W
T-39-N
T-38-N
SHEET LOCATION
PROJECT LOCATION

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

SIGNATURE: DATE: 1/9/2020
PRINT NAME: JASON L. CANCE
REGISTRATION NUMBER: S-2688

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

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION
NORTHWEST REGION, SUPERIOR OFFICE
SIGNATURE: DATE: 1/9/2020
PRINT NAME: DEBORA B. STENSLAND

PLOT SCALE : 1 IN:60 FT
PLOT NAME : _4.05_
PLOT BY : Nick Engh
PLOT DATE : 1/9/2020 8:33 AM
PLOT DATE :
PLOT DATE :
FILE NAME : \\SEHRL\PROJECTS\U2\WW\WTNW\137959\C3D\15600070\RW\040102 RP.DWG
APPRAISAL PLAT DATE : 10/01/2019

TRANSPORTATION PROJECT PLAT NO: 1560-00-20 - 4.06

BEING A PART OF LOTS 1 AND 12, BLOCK 24, PART OF LOTS 6 AND 7, BLOCK 25, OF THE THIRD ADDITION TO THE VILLAGE OF SPOONER, ENVELOPE 146 A, DOCUMENT NO. 3423, AND PART OF LOTS 6 AND 7, BLOCK 32, PART OF LOTS 1 AND 12, BLOCK 33, OF THE 4TH ADDITION OF THE VILLAGE OF SPOONER, ENVELOPE 154 A, DOCUMENT NO. 13672, ALL LOCATED IN THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4, SECTION 29, TOWN 39 NORTH, RANGE 12 WEST, CITY OF SPOONER, WASHBURN COUNTY, WISCONSIN.

USH 63 SPOONER - HAYWARD, GREENWOOD AVE TO POPLAR STREET, WASHBURN 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.

MONUMENT TABLE			
POINT NAME	X COORDS	Y COORDS	DESCRIPTION
1203	742001.8560	570523.835	3/4" IRON PIPE
1204	742035.0960	570591.093	2" IRON PIPE
1213	742238.8820	571004.275	1" IRON PIPE

0 30 60
SCALE, FEET
GN

DOCUMENT# **389038**
Recorded on **01-10-2020** at **08:43 AM** Pages: **1**
Fee Amount: **$25.00** County: **WASHBURN** State: **WI**

RENEE M. BELL REGISTER OF DEEDS
***The above recording information verifies this document has been electronically recorded and returned to
WisDOT - NW Region - Eau Claire / Superior - PO 39500

284

AMENDMENT NO:___

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), WASHBURN 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 LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN SPOONER.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 IN DOCUMENT NO. 387260 FOR ADDITIONAL INFORMATION.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
THIRD ADDITION TO THE VILLAGE OF SPOONER
FOURTH ADDITION TO THE VILLAGE OF SPOONER

SCHEDULE OF LANDS & INTERESTS REQUIRED						
PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W NEW SF	R/W EXISTING SF	R/W TOTAL SF	TLE SF
54	SALLY A NIKULA	FEE & TLE	89	0.00	89	745
56	TIMOTHY D. GADA & MAGGIE M GADA	TLE	0.00	0.00	0.00	660
57	WAYNE P. STEVENSON AND SHARILYN D. STEVENSON	TLE	0.00	0.00	0.00	908
58	BRIAN ASCHBACHER & AMY ASCHBACHER	FEE & TLE	49	0.00	49	880
59	KYLE J. PIERCE & KARI L PIERCE	FEE & TLE	88	0.00	88	1000
61	LAWRENCE T MEYER & GLORIA D MEYER	TLE	0.00	0.00	0.00	423
62	MICHAEL COOK	TLE	0.00	0.00	0.00	355
63	SCH RENTAL LLC	TLE	0.00	0.00	0.00	445
64	SANDRA MYERS	FEE & TLE	51	0.00	51	347
66	BETHEL-JENSEN IRR TRUST	FEE & TLE	90	0.00	90	576
67	KEVIN SHAWN YOUDERIN	TLE	0.00	0.00	0.00	398
68	DARIN A. BALER & TIMOTHY R. BARLER	TLE	0.00	0.00	0.00	345
69	ROCKY RIDGE PROPERTIES, LLC	TLE	0.00	0.00	0.00	345
71	MARVIN C. BRAY & MARIAN K. BRAY	FEE & TLE	42	0.00	42	645
72	DAVID R. MCSWEENEY	FEE & TLE	93	0.00	93	1216
73	DAVID R. MCSWEENEY	TLE	0.00	0.00	0.00	345
74	DAVID M. EKERN	TLE	0.00	0.00	0.00	344
76	DAVID M. EKERN & DEBRA A. EKERN	FEE & TLE	44	0.00	44	351

FEE STATION OFFSET				
POINT NAME	STATION	OFFSET	Y COORDS	X COORDS
527	1293+39.11'USH63'	48.28'LT	570348.396	741898.235
528	1293+39.03'USH63'	0.00'	570326.971	741941.505
620	1293+72.11'USH63'	48.36'LT	570378.029	741912.756
621	1293+80.43'USH63'	35.83'LT	570379.947	741927.675
622	1293+89.65'USH63'	32.93'LT	570386.936	741934.355
623	1295+21.93'USH63'	32.90'LT	570505.565	741992.874
624	1295+41.93'USH63'	32.90'LT	570523.501	742001.722
625	1296+74.01'USH63'	32.87'LT	570641.954	742060.155
626	1296+91.72'USH63'	38.44'LT	570660.297	742062.991
628	1296+91.73'USH63'	48.50'LT	570664.759	742053.973
629	1297+57.73'USH63'	48.41'LT	570723.914	742083.241
630	1297+66.04'USH63'	35.83'LT	570725.804	742098.197
631	1297+74.85'USH63'	33.06'LT	570732.480	742104.578
632	1299+07.86'USH63'	32.95'LT	570851.729	742163.503
633	1299+27.86'USH63'	32.93'LT	570869.660	742172.363
634	1300+60.06'USH63'	32.81'LT	570988.180	742230.929
635	1300+78.00'USH63'	38.46'LT	571006.763	742233.802
636	1300+77.97'USH63'	48.19'LT	571011.045	742225.061
637	1301+10.97'USH63'	48.28'LT	571040.681	742239.577
638	1301+10.99'USH63'	0.00'	571019.344	742282.881
640	1301+11.00'USH63'	38.52'RT	571002.316	742317.438
641	1300+78.00'USH63'	38.59'RT	570972.688	742302.907
642	1300+78.00'USH63'	38.44'RT	570972.755	742302.769
643	1300+61.29'USH63'	33.19'RT	570960.095	742290.669
644	1299+27.80'USH63'	33.07'RT	570840.422	742231.534
645	1299+07.80'USH63'	33.05'RT	570822.491	742222.674
646	1297+75.20'USH63'	32.94'RT	570703.614	742163.931
647	1297+65.83'USH63'	35.88'RT	570693.906	742162.431
648	1297+57.68'USH63'	49.19'RT	570680.711	742170.756
649	1296+91.68'USH63'	49.42'RT	570621.410	742141.784
650	1296+91.64'USH63'	38.28'RT	570626.303	742131.769
651	1296+75.26'USH63'	33.13'RT	570613.888	742119.903
652	1295+41.75'USH63'	33.10'RT	570494.158	742060.841
653	1295+21.75'USH63'	33.10'RT	570476.222	742051.993
654	1293+89.05'USH63'	33.07'RT	570357.209	741993.284
655	1293+80.10'USH63'	35.88'RT	570347.938	741991.851
656	1293+71.95'USH63'	49.19'RT	570334.742	742000.178
657	1293+38.95'USH63'	49.31'RT	570305.089	741985.698

OWNERS NAMES SHOWN FOR REFERENCE PURPOSES ONLY AND SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT

R/W COURSE TABLE	
657-528	N63°39'28"W 49.31'
528-527	N63°39'28"W 48.28'
527-620	N26°06'25"E 33.00'
620-621	N82°40'30"E 15.04'
621-622	N43°42'12"E 9.67'
622-623	N26°15'25"E 132.28'
623-624	N26°15'25"E 20.00'
624-625	N26°15'25"E 132.08'
625-626	N08°47'17"E 18.56'
626-628	N63°40'30"W 10.06'
628-629	N26°19'30"E 66.00'
629-630	N82°47'48"E 15.07'
630-631	N43°42'12"E 9.23'
631-632	N26°17'45"E 133.01'
632-633	N26°17'45"E 20.00'
633-634	N26°17'45"E 132.20'
634-635	N08°47'17"E 18.80'
635-636	N63°54'14"W 9.73'
636-637	N26°05'46"E 33.00'
637-638	S63°46'09"E 48.28'
638-640	S63°46'09"E 38.52'
640-641	S26°07'28"W 33.00'
641-642	N63°52'32"W 0.15'
642-643	S43°42'12"W 17.51'
643-644	S26°17'45"W 133.49'
644-645	S26°17'45"W 20.00'
645-646	S26°17'45"W 132.60'
646-647	S08°47'17"W 9.82'
647-648	S32°14'59"E 15.60'
648-649	S26°02'19"W 66.00'
649-650	N63°57'41"W 11.15'
650-651	S43°42'12"W 17.17'
651-652	S26°15'25"W 133.50'
652-653	S26°15'25"W 20.00'
653-654	S26°15'25"W 132.71'
654-655	S08°47'17"W 9.38'
655-656	S32°15'20"E 15.60'
656-657	S26°01'39"W 33.00'

TLE STATION OFFSET		
POINT NAME	STATION	OFFSET
627	1296+86.61'USH63'	45.00'LT
665	1293+72.03'USH63'	81.89'LT
666	1293+77.03'USH63'	81.90'LT
667	1293+77.00'USH63'	55.00'LT
668	1293+90.00'USH63'	40.00'LT
669	1294+92.04'USH63'	40.00'LT
670	1294+99.83'USH63'	45.00'LT
671	1295+21.92'USH63'	45.00'LT
672	1295+41.92'USH63'	45.00'LT
674	1296+91.74'USH63'	53.94'LT
675	1297+57.78'USH63'	81.81'LT
676	1297+66.78'USH63'	82.18'LT
677	1297+66.73'USH63'	50.23'LT
678	1297+82.60'USH63'	40.00'LT
679	1299+07.86'USH63'	40.00'LT
680	1299+27.86'USH63'	40.00'LT
681	1300+10.51'USH63'	40.00'LT
682	1300+10.51'USH63'	45.00'LT
683	1300+35.76'USH63'	45.00'LT
684	1300+35.76'USH63'	40.00'LT
685	1300+78.00'USH63'	40.00'LT
686	1300+78.00'USH63'	46.22'RT
687	1300+60.77'USH63'	40.00'RT
688	1299+27.82'USH63'	40.00'RT
689	1299+07.82'USH63'	40.00'RT
690	1297+69.17'USH63'	40.00'RT
691	1297+62.69'USH63'	50.59'RT
692	1297+62.81'USH63'	84.17'RT
693	1297+57.81'USH63'	84.19'RT
694	1296+91.65'USH63'	40.00'RT
695	1295+41.78'USH63'	40.00'RT
696	1295+21.78'USH63'	40.00'RT
697	1294+32.58'USH63'	40.00'RT
698	1294+32.58'USH63'	45.00'RT
699	1294+08.96'USH63'	45.00'RT
700	1294+08.96'USH63'	40.00'RT
701	1293+83.44'USH63'	40.00'RT
702	1293+76.95'USH63'	50.59'RT
703	1293+77.08'USH63'	84.10'RT
704	1293+72.08'USH63'	84.11'RT

UTILITY EASEMENT TABLE			
UTILITY NUMBER	PARCEL	RECORDING INFORMATION	UTILITY NAME
201	54,71 & 72	NO RECORDED EASMENT	SPOONER MUNICIPAL UTILITES

UTILITY INTERESTS REQUIRED		
UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
201	SPOONER MUNICIPAL UTILITIES	RELEASE OF RIGHTS

NOT TO SCALE

R-13-W R-12-W
T-39-N
T-38-N
SHEET LOCATION
PROJECT LOCATION

I, JASON L. CANCE PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: DATE: 1/9/2020
PRINT NAME: JASON L. CANCE
REGISTRATION NUMBER: S-2688

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

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION
NORTHWEST REGION, SUPERIOR OFFICE
SIGNATURE: DATE: 1/9/2020
PRINT NAME: DEBORA B. STENSLAND

SEH
10 N BRIDGE ST
CHIPPEWA FALLS WI 54729

FND 3 1/2" BRASS CAP
Y = 569,793.055
X = 741,398.686

FND 3 1/2" BRASS CAP
Y = 569,773.970
X = 744,085.934

S89°35'35"E 583.36'
N00°24'25"E 516.19'
S89°35'35"E 2103.96'

PLOT SCALE : 1 IN:60 FT
PLOT NAME : Nick Engh
PLOT BY : 1/9/2020 8:33 AM
PLOT DATE :
PLOT DATE :
FILE NAME : \\SEHRL\PROJECTS\UZ\WV\WTNW\137959\C3D\15600070\RW\040102 RP.DWG
APPRAISAL PLAT DATE : 10/01/2019

TRANSPORTATION PROJECT PLAT NO: 1560-00-20 - 4.07 AMENDMENT NO. 1

REMOVES UTILITY NO. 201 & 203, AND ADDS UTILITY NO. 204 TO TRANSPORTATION PROJECT PLAT NO. 1560-00-20-4.07 RECORDED AS DOCUMENT NO. 389058

BEING A PART OF LOT 1, BLOCK 34, PART OF LOT 6, BLOCK 35, FIFTH ADDITION TO THE VILLAGE OF SPOONER, ENVELOPE 162, DOCUMENT NO. 21932, LOCATED IN THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4 ALSO BEING PART OF LOTS 1 AND 12, BLOCK 34, PART OF LOTS 6 AND 7, BLOCK 35, OF THE FIFTH ADDITION TO THE VILLAGE OF SPOONER, ENVELOPE 162, DOCUMENT NO. 21932, AND PART OF CSM NO. 1950, VOLUME 8, PAGE 111, DOCUMENT NO. 230984, ALL LOCATED IN THE NORTHWEST ¼ OF THE SOUTHWEST ¼, SECTION 29, TOWN 39 NORTH, RANGE 12 WEST, CITY OF SPOONER, WASHBURN COUNTY, WISCONSIN.

USH 63 SPOONER - HAYWARD, GREENWOOD AVE TO POPLAR STREET, WASHBURN 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.

MONUMENT TABLE			
POINT NAME	X COORDS	Y COORDS	DESCRIPTION
1100	742421.498	571418.275	1" IRON PIPE
1103	742429.458	571598.617	1" IRON PIPE
1104	742474.559	571537.505	1" IRON PIPE
1105	742480.138	571712.619	1" IRON PIPE
1106	742497.832	571380.744	2" IRON PIPE
1107	742651.965	571576.987	1" IRON PIPE
1220	742529.956	571445.801	1" IRON PIPE

0 30 60
SCALE, FEET

GN

DOCUMENT# **395210**
Recorded on **02-01-2021 at 10:47 AM** Pages: 1
Fee Amount: **$25.00** County: **WASHBURN** State:

RENEE M. BELL REGISTER OF DEEDS
***The above recording information verifies this document has been electronically recorded and returned to
WisDOT - NW Region - Eau Claire / Superior - PC

285

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1560-00-20 - 4.07
AMENDMENT NO: 1

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), WASHBURN 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 LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN SPOONER.

REFER TO THE TITLE SHEET; RECORDED AS SHEET 2 OF 2 IN DOCUMENT NO. 387260 FOR ADDITIONAL INFORMATION.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
FIFTH ADDITION TO THE VILLAGE OF SPOONER
CSM 3984 VOL 19 PG 154
CSM 1950 VOL. 8 PG 111

UTILITY EASEMENT TABLE			
UTILITY NUMBER	PARCEL	RECORDING INFORMATION	UTILITY NAME
200	83	NO RECORDED EASMENT	WE ENERGIES
204	83	NO RECORDED EASMENT	CENTURYLINK

UTILITY INTERESTS REQUIRED		
UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
200	WE ENERGIES	RELEASE OF RIGHTS
204	CENTURYLINK	RELEASE OF RIGHTS

SCHEDULE OF LANDS & INTERESTS REQUIRED							
PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W NEW SF	R/W EXISTING SF	R/W TOTAL SF	TLE SF	PLE SF
77	KENNETH J. & GRETCHEN A. HAZEL	FEE & TLE	90	0.00	90	1307	0.00
78	FRANK M DALLAM	FEE & TLE	50	0.00	50	1046	0.00
79	LAWRENCE T. MEYER & GLORIA D. MEYER	TLE	0.00	0.00	0.00	594	0.00
82	CONERSTONE CHRISTIAN CHURCH	FEE & TLE	89	0.00	89	2103	0.00
83	MICHAEL R. KELLY & RACHEL L. KELLY	FEE	165	0.00	165	0.00	0.00
84	ANTHONY J LOMBARD	PLE	0.00	0.00	0.00	0.00	597

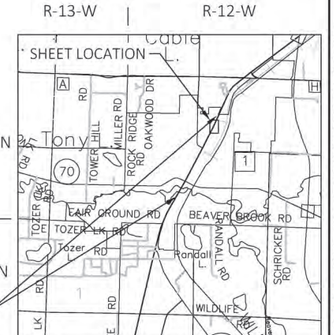
FEE & PLE STATION OFFSET				
POINT NAME	STATION	OFFSET	Y COORDS	X COORDS
637	1301+10.97'USH63'	48.28'LT	571040.681	742239.577
638	1301+10.99'USH63'	0.00'	571019.344	742282.881
640	1301+11.00'USH63'	38.52'RT	571002.316	742317.438
725	1301+43.97'USH63'	48.36'LT	571070.317	742254.093
726	1301+52.29'USH63'	35.83'LT	571072.236	742269.009
727	1301+61.66'USH63'	32.89'LT	571079.335	742275.794
728	1302+94.07'USH63'	32.87'LT	571198.084	742334.362
729	1303+14.07'USH63'	32.87'LT	571216.021	742343.209
730	1304+46.29'USH63'	32.85'LT	571334.609	742401.698
731	1304+64.11'USH63'	38.45'LT	571353.066	742404.551
732	1304+64.09'USH63'	51.99'LT	571359.037	742392.398
733	1305+32.29'USH63'	50.45'LT	571418.275	742421.498
734	1306+62.79'USH63'	50.02'LT	571537.516	742474.509
735	1307+19.28'USH63'	0.00'	571569.041	742543.069
736	1305+44.92'USH63'	35.23'RT	571395.276	742504.994
737	1305+28.01'USH63'	54.96'RT	571371.848	742516.223
738	1304+64.34'USH63'	53.90'RT	571312.433	742487.485
739	1304+64.22'USH63'	38.42'RT	571319.173	742473.551
740	1304+47.46'USH63'	33.15'RT	571306.470	742461.410
741	1303+14.08'USH63'	33.13'RT	571186.851	742402.413
742	1302+94.08'USH63'	33.13'RT	571168.914	742393.566
743	1301+60.97'USH63'	33.11'RT	571049.535	742334.687
744	1301+44.00'USH63'	38.45'RT	571031.945	742331.968
745	1307+69.96'USH63'	44.87'RT	571597.320	742604.569
746	1307+70.30'USH63'	60.79'RT	571591.207	742619.273
747	1306+94.90'USH63'	41.66'RT	571529.929	742571.356

OWNERS NAMES SHOWN FOR REFERENCE PURPOSES ONLY AND SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT

TLE STATION OFFSET		
POINT NAME	STATION	OFFSET
755	1301+43.92'USH63'	69.81'LT
756	1301+48.92'USH63'	69.82'LT
757	1301+48.97'USH63'	49.88'LT
758	1301+55.53'USH63'	40.00'LT
759	1302+64.63'USH63'	40.00'LT
760	1302+64.63'USH63'	45.00'LT
761	1302+94.04'USH63'	45.00'LT
762	1303+14.04'USH63'	45.00'LT
763	1303+21.67'USH63'	40.00'LT
764	1303+56.41'USH63'	40.00'LT
765	1303+56.41'USH63'	50.00'LT
766	1303+87.65'USH63'	50.00'LT
767	1303+87.65'USH63'	40.00'LT
768	1304+45.00'USH63'	40.00'LT
769	1304+64.06'USH63'	70.00'LT
771	1304+64.28'USH63'	46.30'RT
772	1304+44.24'USH63'	40.00'RT
773	1303+14.12'USH63'	40.00'RT
774	1302+94.12'USH63'	40.00'RT
775	1301+53.00'USH63'	40.00'RT
776	1301+44.03'USH63'	55.00'RT

R/W & PLE COURSE TABLE		
640-638	N63°46'09"W	38.52'
638-637	N63°46'09"W	48.28'
637-725	N26°05'46"E	33.00'
725-726	N82°40'08"E	15.04'
726-727	N43°42'12"E	9.82'
727-728	N26°15'10"E	132.41'
728-729	N26°15'10"E	20.00'
729-730	N26°15'10"E	132.23'
730-731	N08°47'17"E	18.68'
731-732	N63°50'17"W	13.54'
732-733	N26°09'43"E	66.00'
733-734	N23°58'07"E	130.49'
734-735	N65°18'21"E	75.46'
735-745	N65°18'21"E	67.69'
745-746	S67°25'22"E	15.92'
746-747	S38°01'27"W	77.79'
747-736	S26°14'09"W	150.12'
736-737	S25°36'29"E	25.98
737-738	S25°48'43"W	66.00'
738-739	N64°11'17"W	15.48'
739-740	S43°42'12"W	17.57'
740-741	S26°15'10"W	133.38'
741-742	S26°15'10"W	20.00'
742-743	S26°15'10"W	133.11'
743-744	S08°47'17"W	17.80'
744-640	S26°07'28"W	33.00'
745-747	S26°14'09"W	75.13'

NOT TO SCALE



FND 3 1/2" BRASS CAP
Y = 569,793.055
X = 741,398.686

FND 3 1/2" BRASS CAP
Y = 569,773.970
X = 744,085.934

MATCHLINE SEE SHEET 4.06

I, JASON L. CANCE PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: DATE: 1-27-2021
PRINT NAME: JASON L. CANCE
REGISTRATION NUMBER: S-2688

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION
NORTHWEST REGION, SUPERIOR OFFICE
SIGNATURE: DATE: 1-27-2021
PRINT NAME: HEATHER L. DRESEL

SEH
10 N BRIDGE ST
CHIPPEWA FALLS WI 54729

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

PLOT SCALE : 1 IN 60 FT
PLOT NAME : Nick Engh
PLOT BY : 1/27/2021 10:26 AM
PLOT DATE :
PLOT DATE :
FILE NAME : \\SEHRL\PROJECTS\U2\WI\WTNW\137959\C3D\156000\70\RW\040102 RP-NEW.DWG
APPRAISAL PLAT DATE : 10/01/2019

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
1	1252+00.80 FROM ASBUILT	34.985 LT	566652.41	740041.75	10.0'
2	1252+55.80 FROM ASBUILT	35.009 LT	566700.69	740068.09	10.0'

STA 1252+28.3 LT
CONSTRUCT 35' WIDE CE
TYPE 1
SAWCUT REQ'D

SIGN

SAWCUT REQ'D

STA 1251+31.92 USH 63 =
STA 0+00.00 GREENWOOD AVENUE

PI: 1251+31.92

1

2

SIGN

+42.13

MATCHLINE STA 1254+50.00

1249+00 | 1250+00 | N28° 37' 51"E | 1251+00 | 1252+00 | 1253+00 | N28° 38' 40"E | 1254+00

USH 63

SIGN SIGN SIGN

S61° 24' 53"E

GREENWOOD AVENUE

1+T

BEGIN PROJECT
STA 1248+55.00
MATCH EXISTING
SAWCUT REQ'D
Y = 566332.146
X = 739906.746

END CONSTRUCTION
STA 0+50.64
MATCH EXISTING
SAWCUT REQ'D

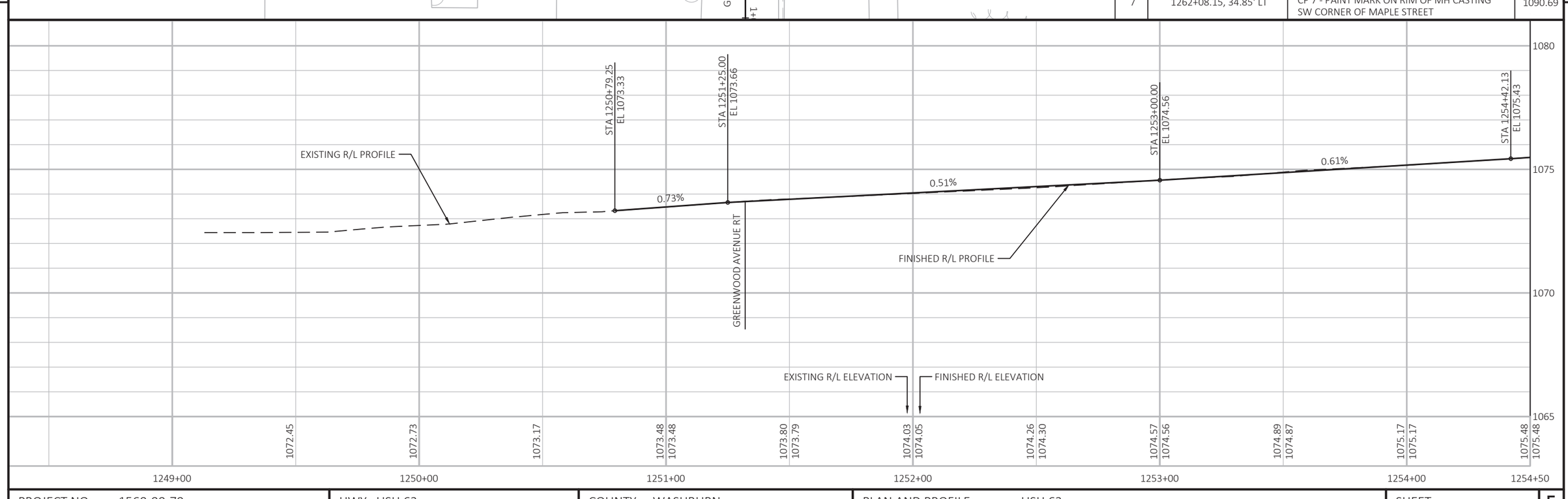
EXCEPTION TO NET CENTERLINE LENGTH
STA 1254+42.13 TO STA 1255+57.15
B-64-14

5

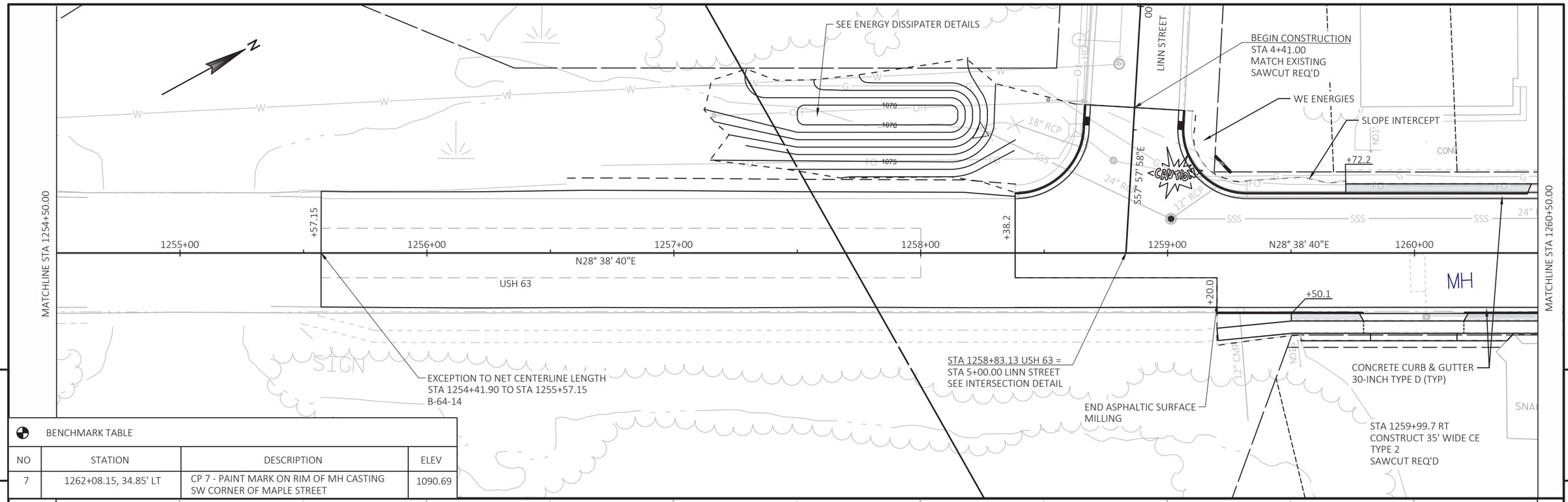
5

BENCHMARK TABLE

NO	STATION	DESCRIPTION	ELEV
7	1262+08.15, 34.85' LT	CP 7 - PAINT MARK ON RIM OF MH CASTING SW CORNER OF MAPLE STREET	1090.69

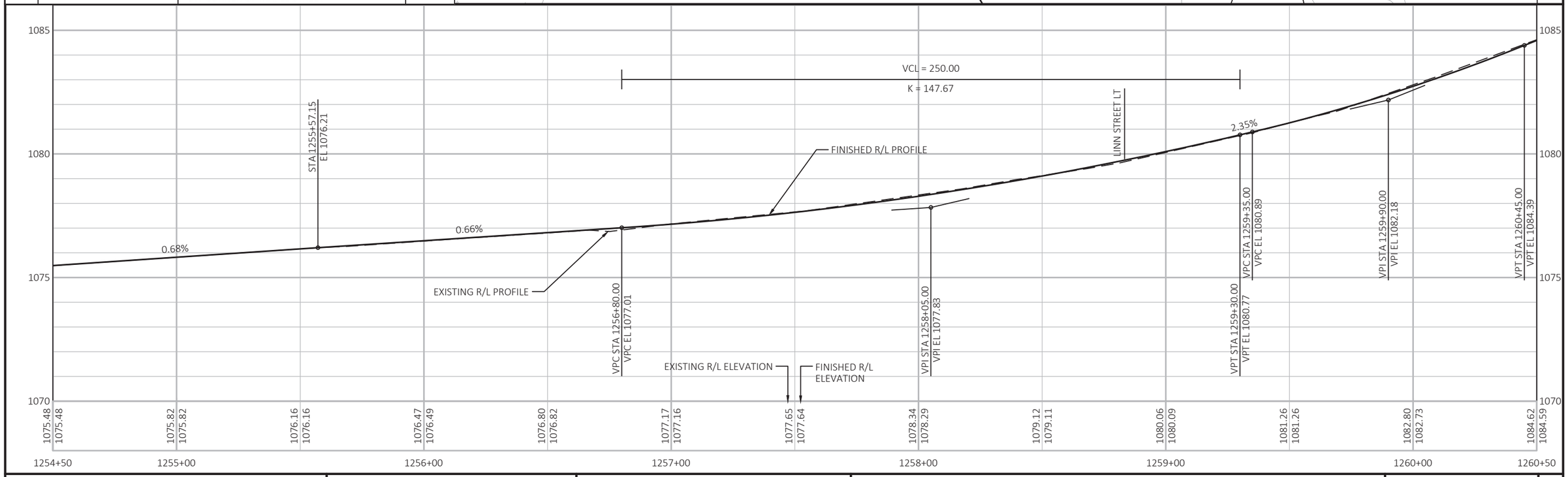


PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	PLAN AND PROFILE: USH 63	SHEET 286	E



BENCHMARK TABLE

NO	STATION	DESCRIPTION	ELEV
7	1262+08.15, 34.85' LT	CP 7 - PAINT MARK ON RIM OF MH CASTING SW CORNER OF MAPLE STREET	1090.69



PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	PLAN AND PROFILE: USH 63	SHEET 287 E

STA 1260+64.9 LT
CONSTRUCT 35' WIDE CE
TYPE 2
SAWCUT REQ'D

STA 1264+45.6 LT
CONSTRUCT 20' WIDE CE
TYPE 2
SAWCUT REQ'D

STA 1262+51.72 USH 63 =
STA 10+00.00 STH 70
SEE INTERSECTION DETAIL

BM 7
CP 7

WE ENERGIES

MATCHLINE STA 1260+50

MATCHLINE STA 1265+50.00

USH 63

STH 70

WISDOT

SPOONER MUNICIPAL UTILITIES

SLOPE INTERCEPT

SPECTRUM

CINC

CENTURYLINK

CONCRETE CURB & GUTTER
30-INCH TYPE A (TYP)

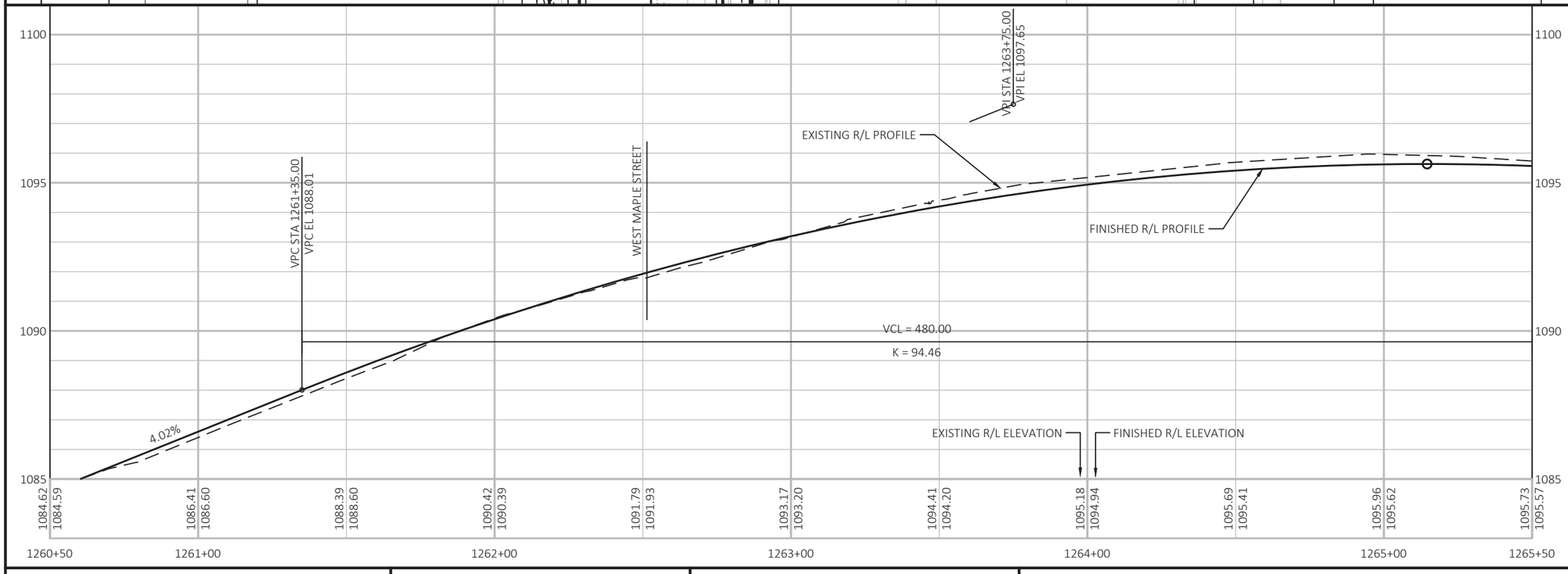
STA 1261+30.0 RT
CONSTRUCT 35' WIDE CE
TYPE 2
SAWCUT REQ'D

STA 1263+97.8 RT
CONSTRUCT 28' WIDE CE
TYPE 1
SAWCUT REQ'D

STA 1264+53.8 RT
CONSTRUCT 30' WIDE CE
TYPE 2
SAWCUT REQ'D

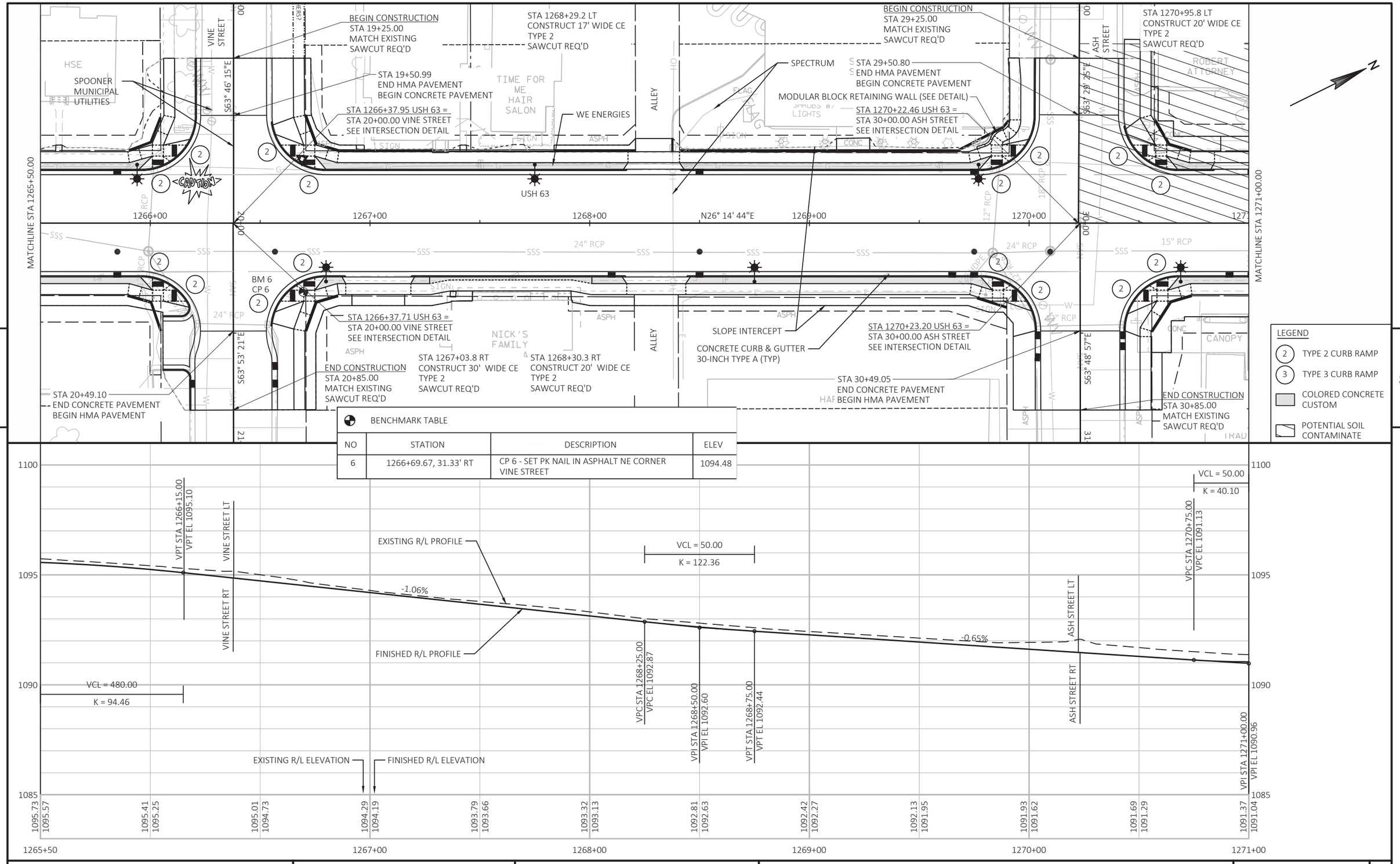
BENCHMARK TABLE

NO	STATION	DESCRIPTION	ELEV
7	1262+08.15, 34.85' LT	CP 7 - PAINT MARK ON RIM OF MH CASTING SW CORNER OF MAPLE STREET	1090.69



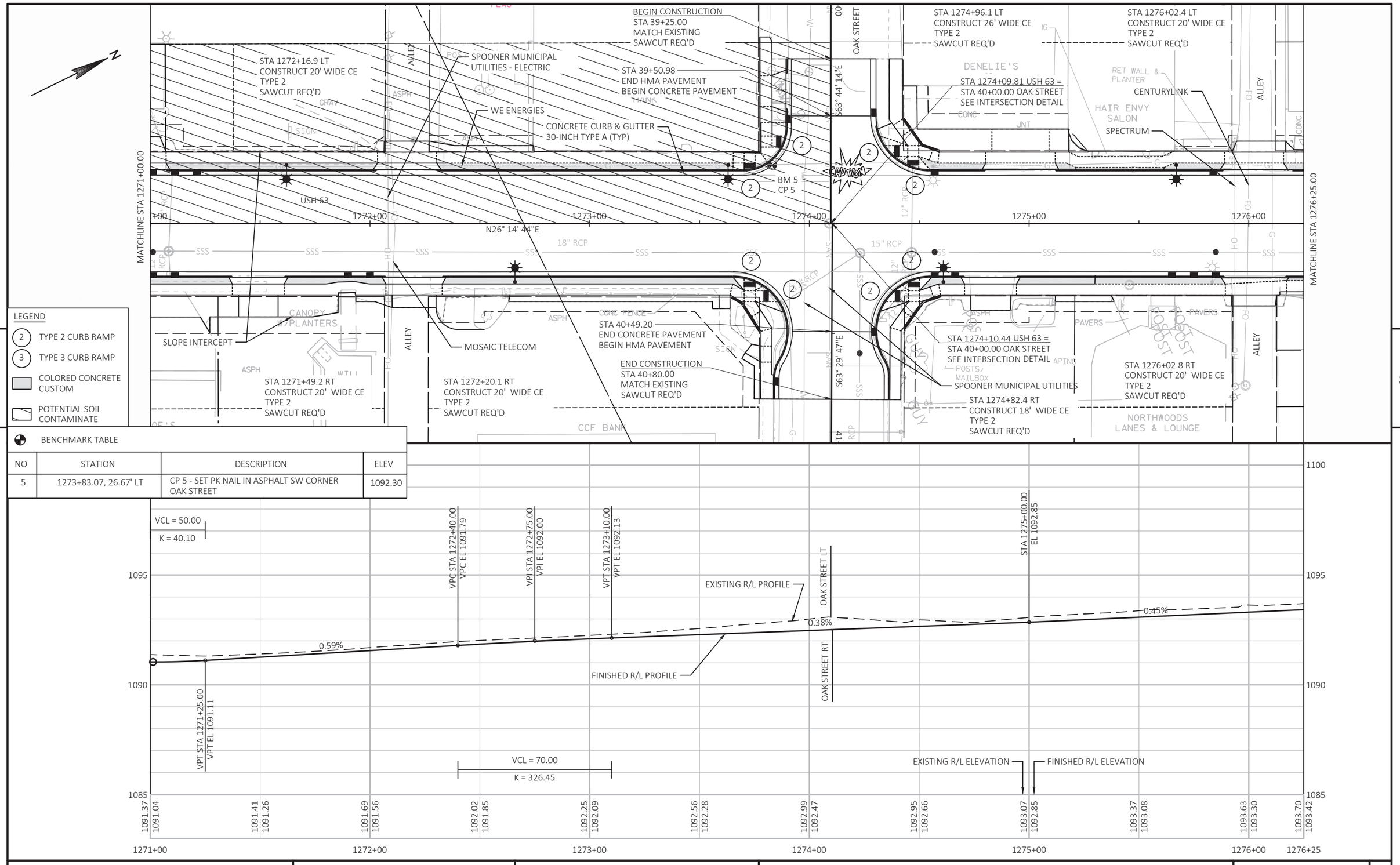
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	PLAN AND PROFILE: USH 63	SHEET E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 3
PLOT DATE : 7/28/2021 10:33 AM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:40 FT



BENCHMARK TABLE			
NO	STATION	DESCRIPTION	ELEV
6	1266+69.67, 31.33' RT	CP 6 - SET PK NAIL IN ASPHALT NE CORNER VINE STREET	1094.48

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	PLAN AND PROFILE: USH 63	SHEET 289 E



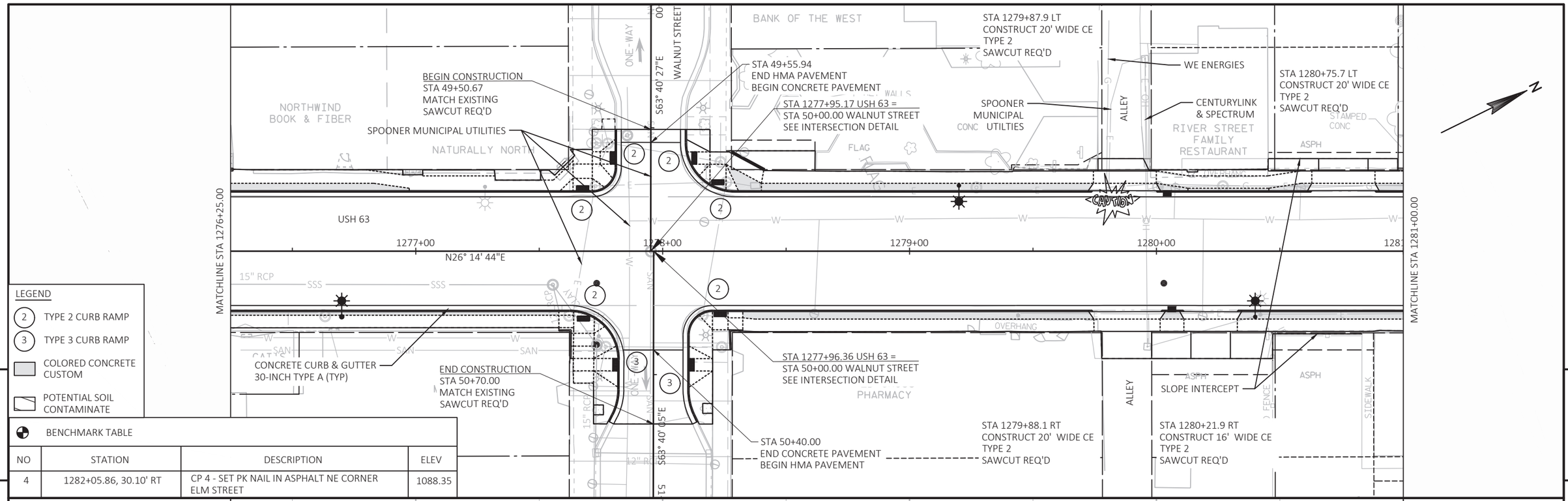
BENCHMARK TABLE			
NO	STATION	DESCRIPTION	ELEV
5	1273+83.07, 26.67' LT	CP 5 - SET PK NAIL IN ASPHALT SW CORNER OAK STREET	1092.30

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	PLAN AND PROFILE: USH 63	SHEET 290 E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 5

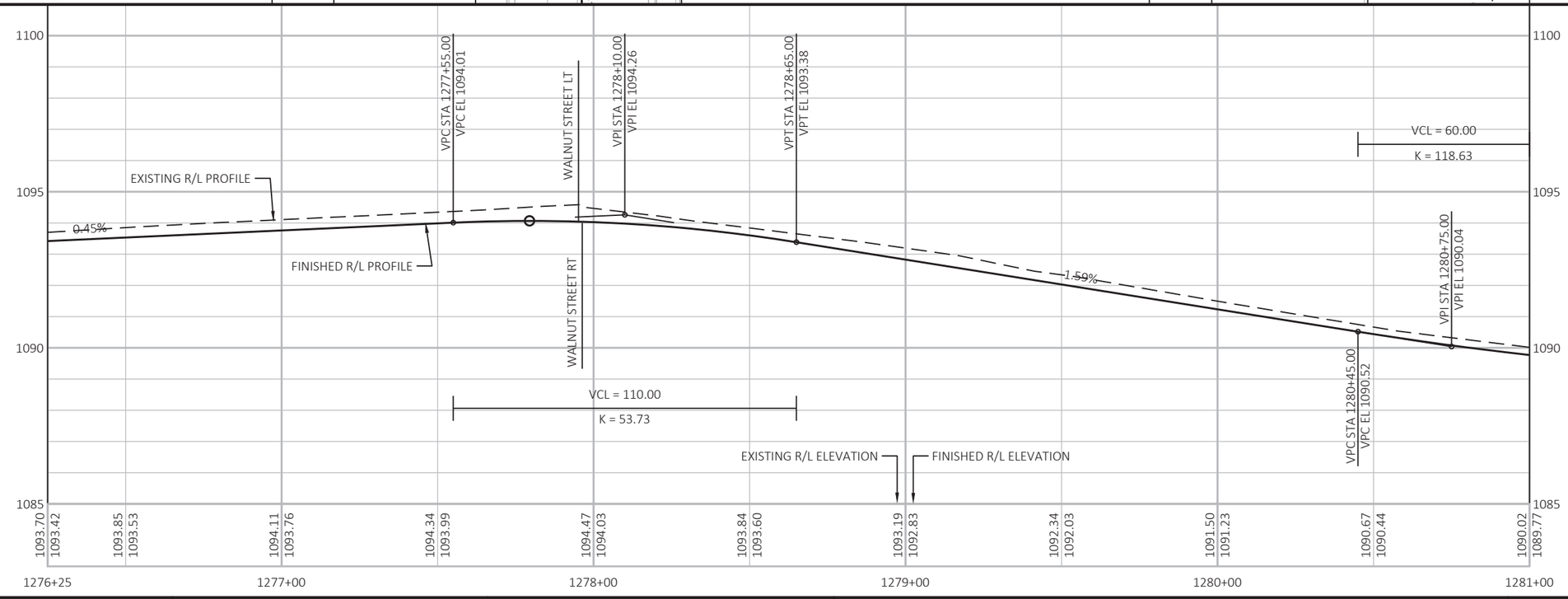
PLOT DATE : 7/28/2021 10:34 AM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44



BENCHMARK TABLE

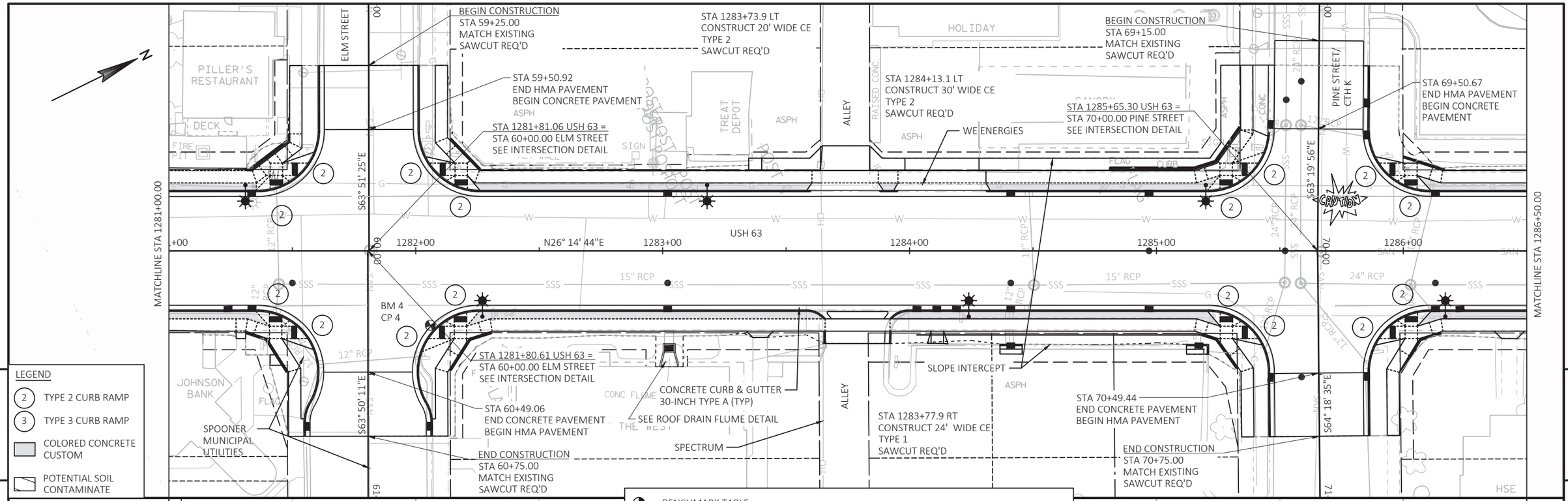
NO	STATION	DESCRIPTION	ELEV
4	1282+05.86, 30.10' RT	CP 4 - SET PK NAIL IN ASPHALT NE CORNER ELM STREET	1088.35



PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	PLAN AND PROFILE: USH 63	SHEET 291 E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 6

PLOT DATE : 7/28/2021 10:35 AM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:40 FT

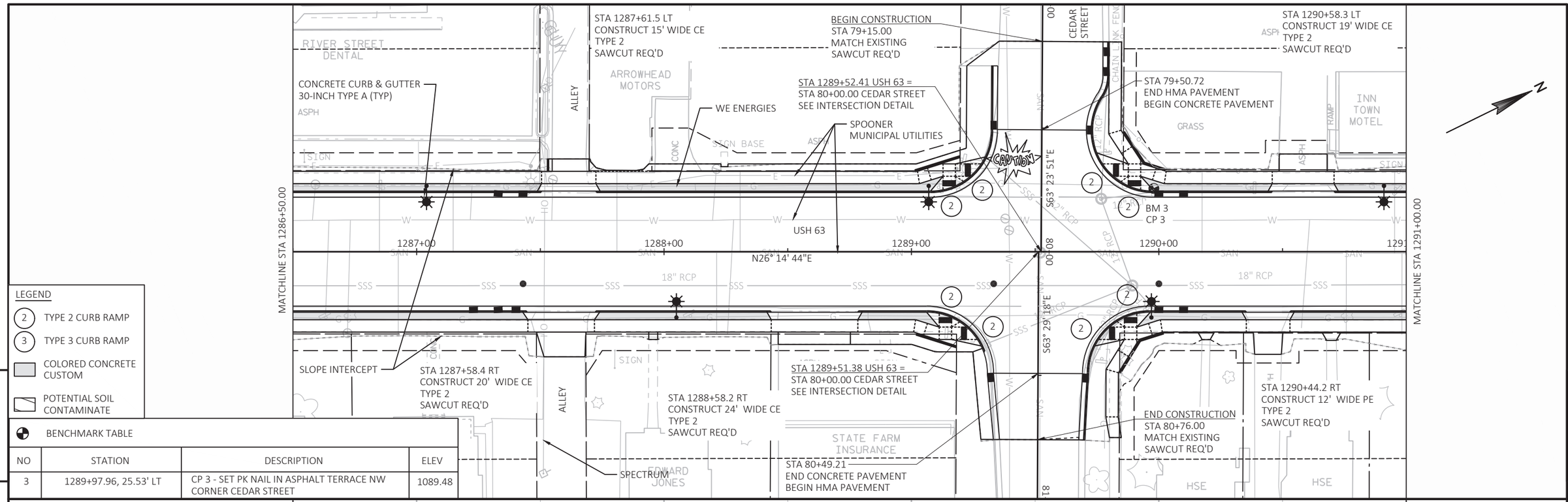


PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	PLAN AND PROFILE: USH 63	SHEET 292 E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 7

PLOT DATE : 7/28/2021 10:36 AM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

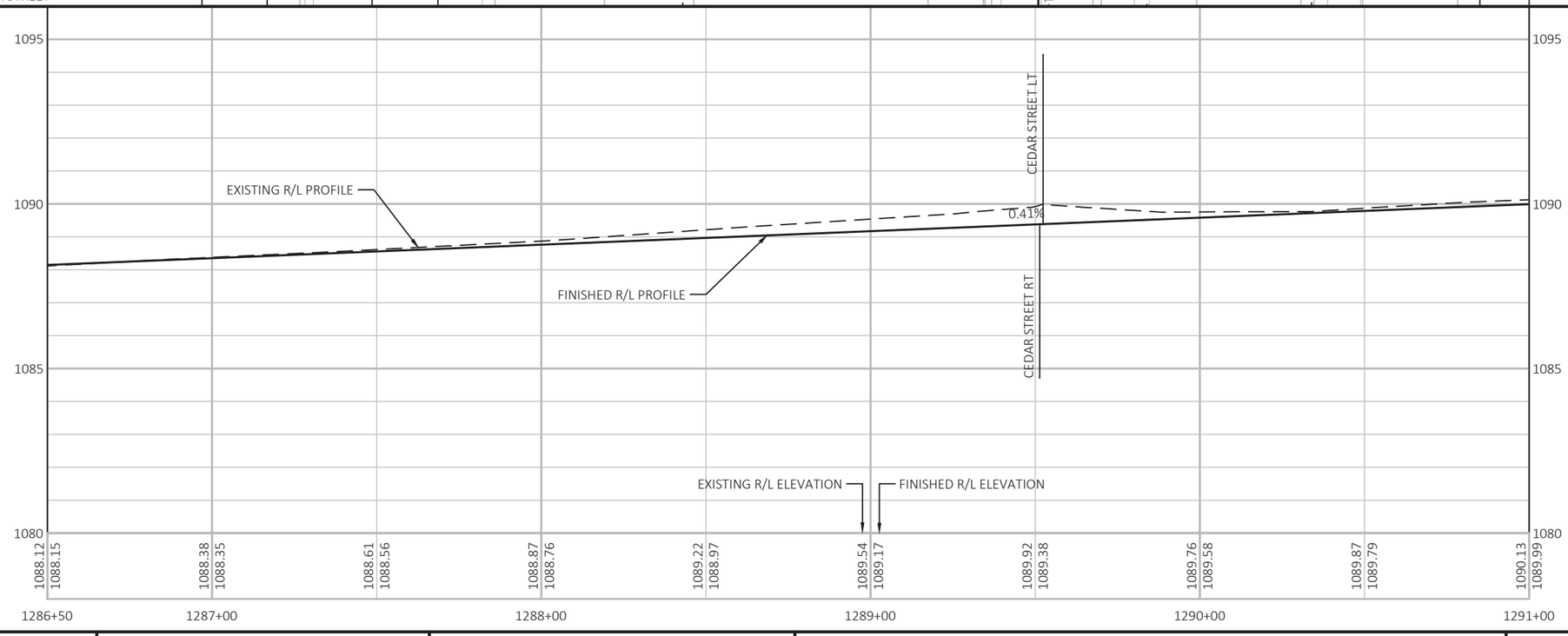


LEGEND

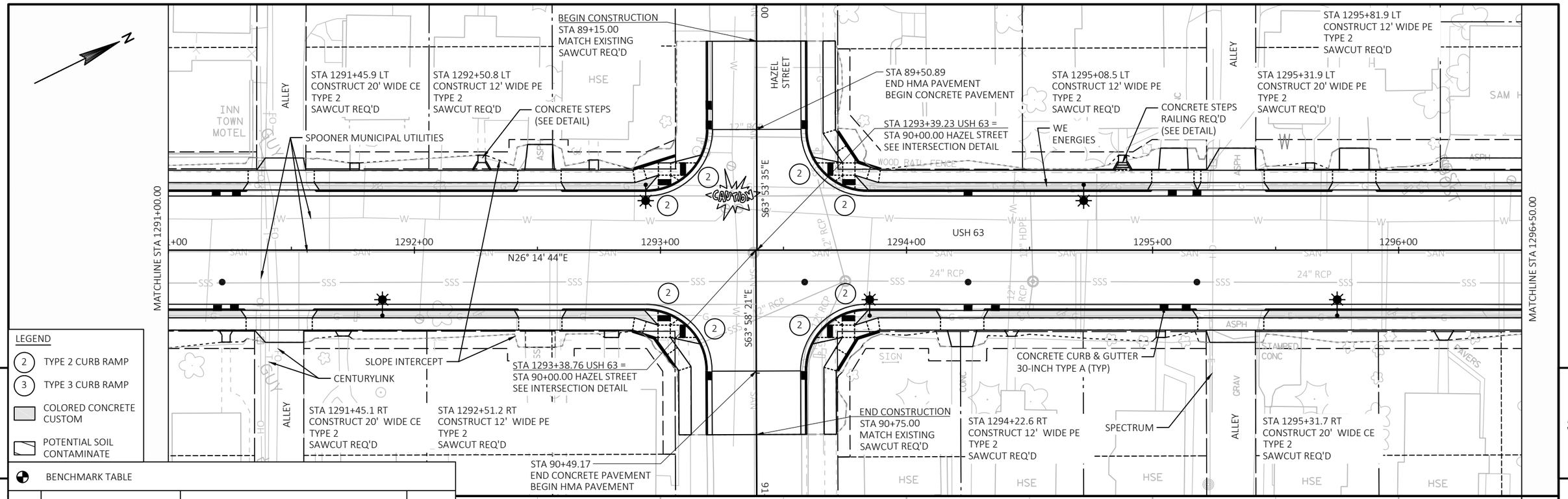
- (2) TYPE 2 CURB RAMP
- (3) TYPE 3 CURB RAMP
- COLORED CONCRETE CUSTOM
- POTENTIAL SOIL CONTAMINATE

BENCHMARK TABLE

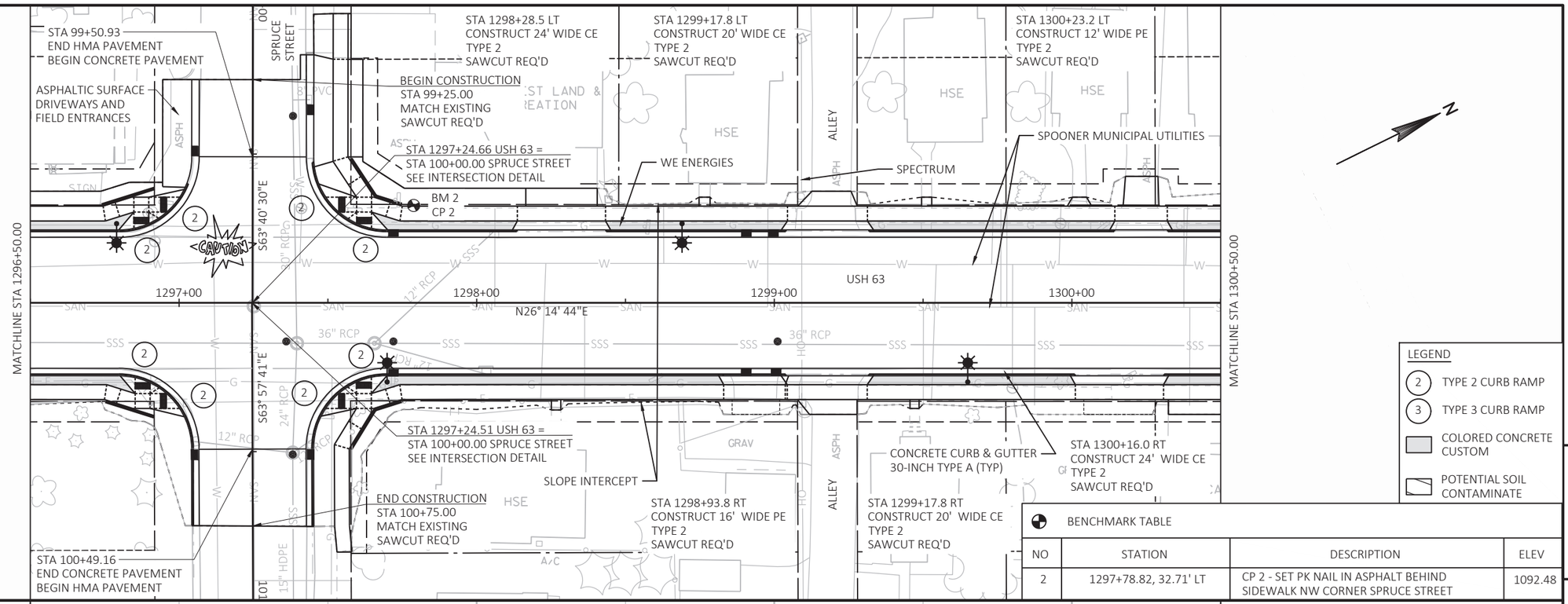
NO	STATION	DESCRIPTION	ELEV
3	1289+97.96, 25.53' LT	CP 3 - SET PK NAIL IN ASPHALT TERRACE NW CORNER CEDAR STREET	1089.48



PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	PLAN AND PROFILE: USH 63	SHEET 293 E

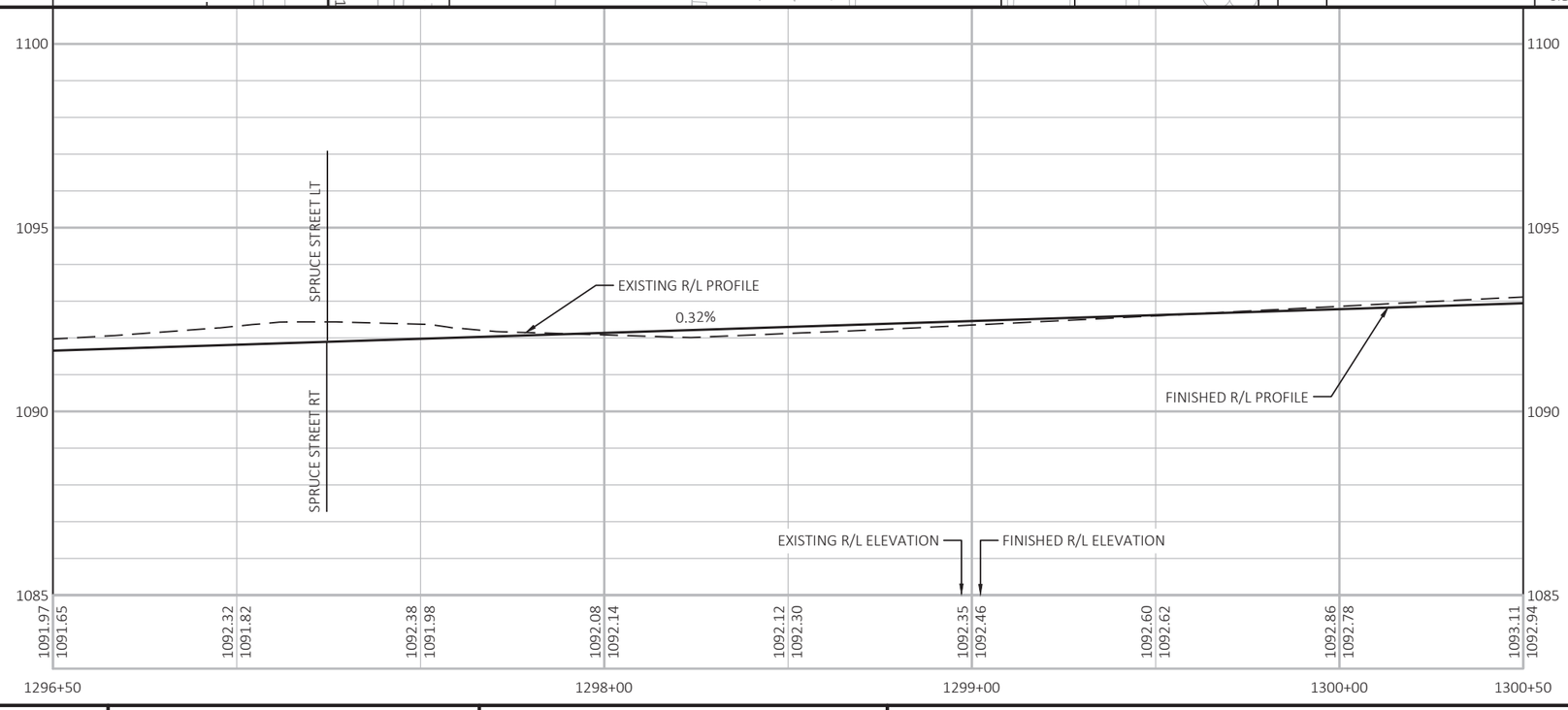


PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	PLAN AND PROFILE: USH 63	SHEET 294 E



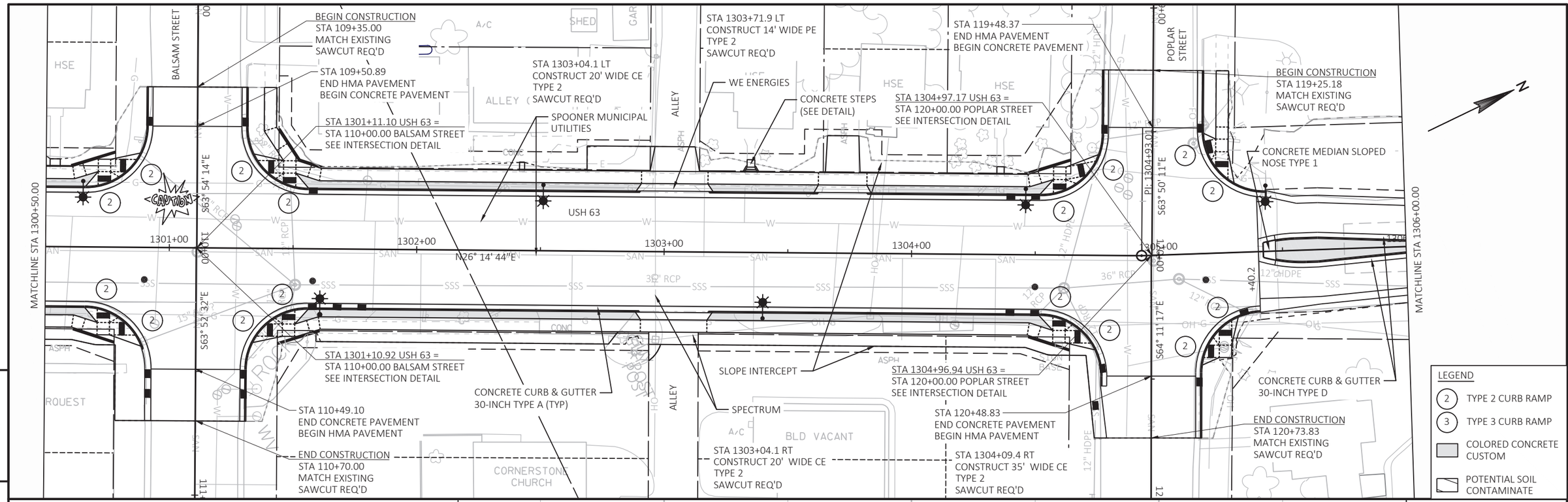
BENCHMARK TABLE

NO	STATION	DESCRIPTION	ELEV
2	1297+78.82, 32.71' LT	CP 2 - SET PK NAIL IN ASPHALT BEHIND SIDEWALK NW CORNER SPRUCE STREET	1092.48



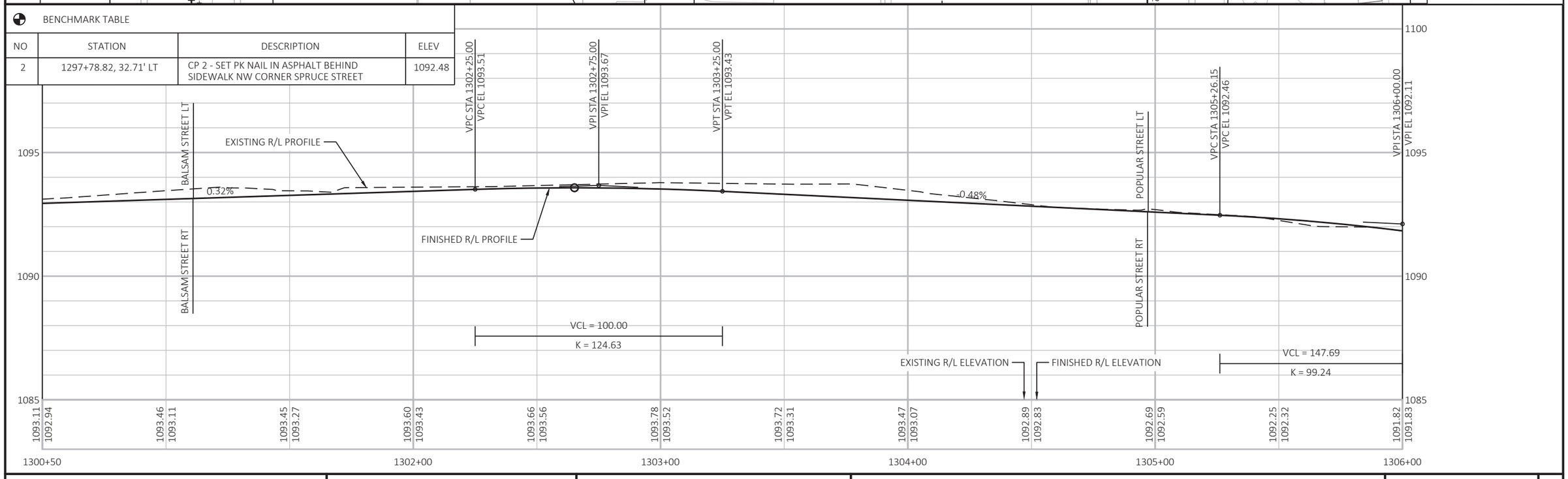
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	PLAN AND PROFILE: USH 63	SHEET E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 10
PLOT DATE : 7/28/2021 10:38 AM
PLOT BY : ANNIE JEROME
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

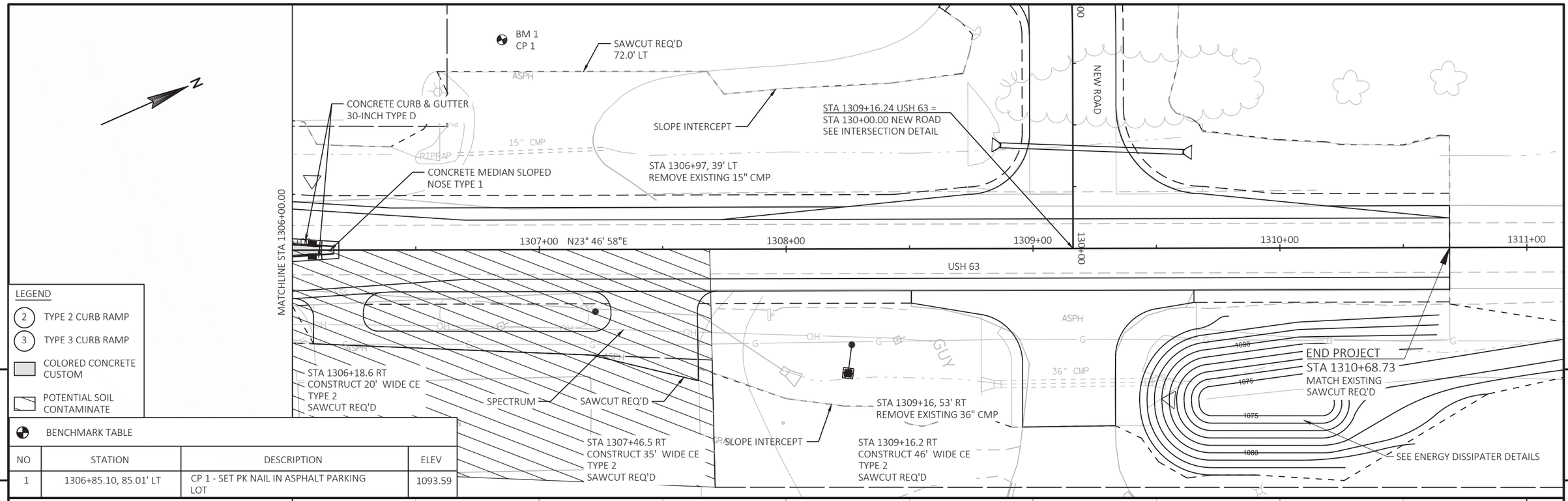


BENCHMARK TABLE

NO	STATION	DESCRIPTION	ELEV
2	1297+78.82, 32.71' LT	CP 2 - SET PK NAIL IN ASPHALT BEHIND SIDEWALK NW CORNER SPRUCE STREET	1092.48

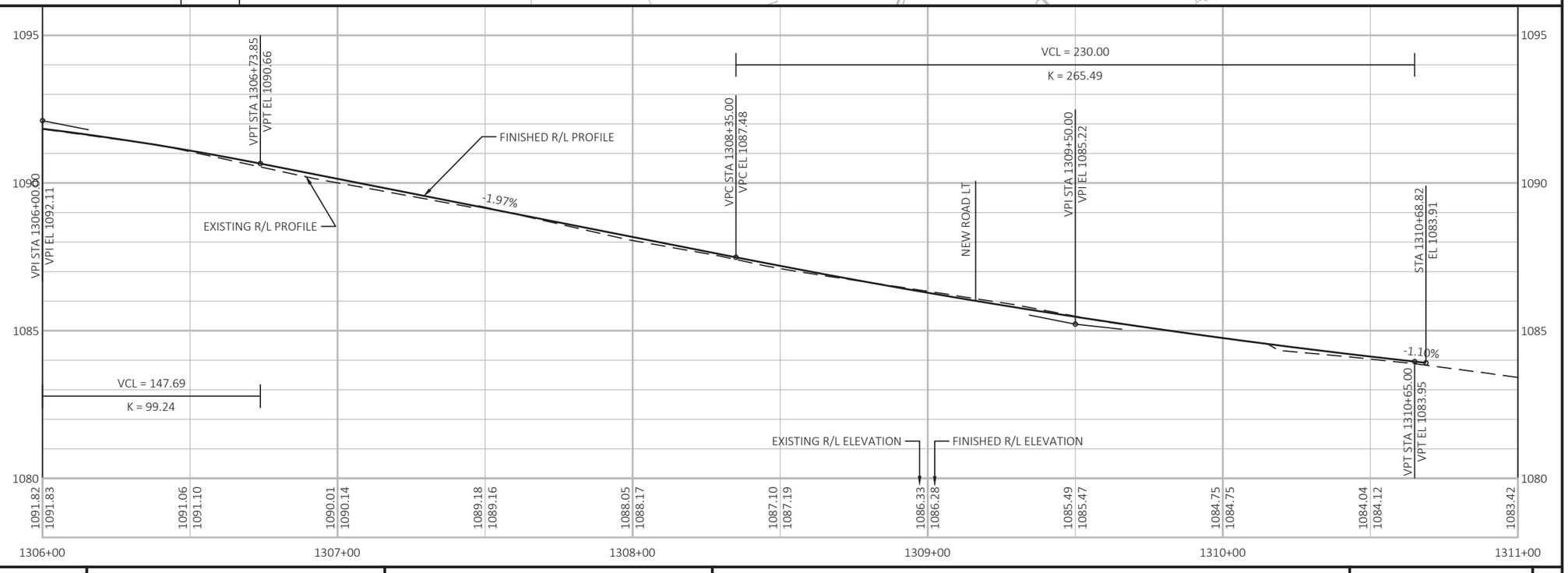


PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	PLAN AND PROFILE: USH 63	SHEET 296	E

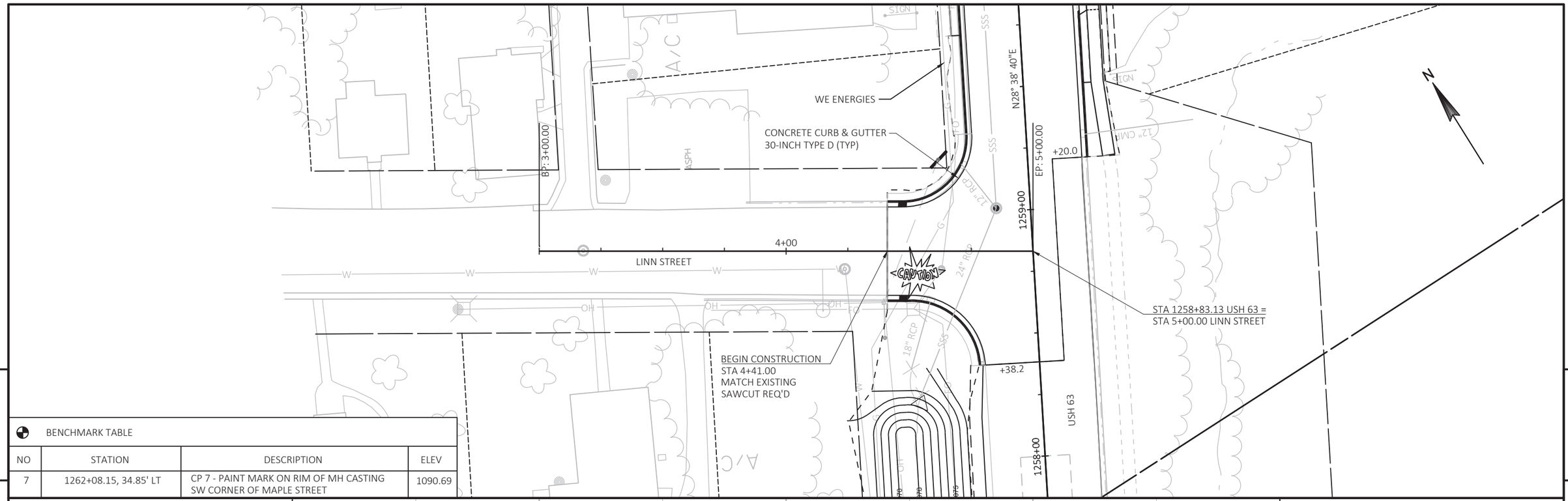


BENCHMARK TABLE

NO	STATION	DESCRIPTION	ELEV
1	1306+85.10, 85.01' LT	CP 1 - SET PK NAIL IN ASPHALT PARKING LOT	1093.59

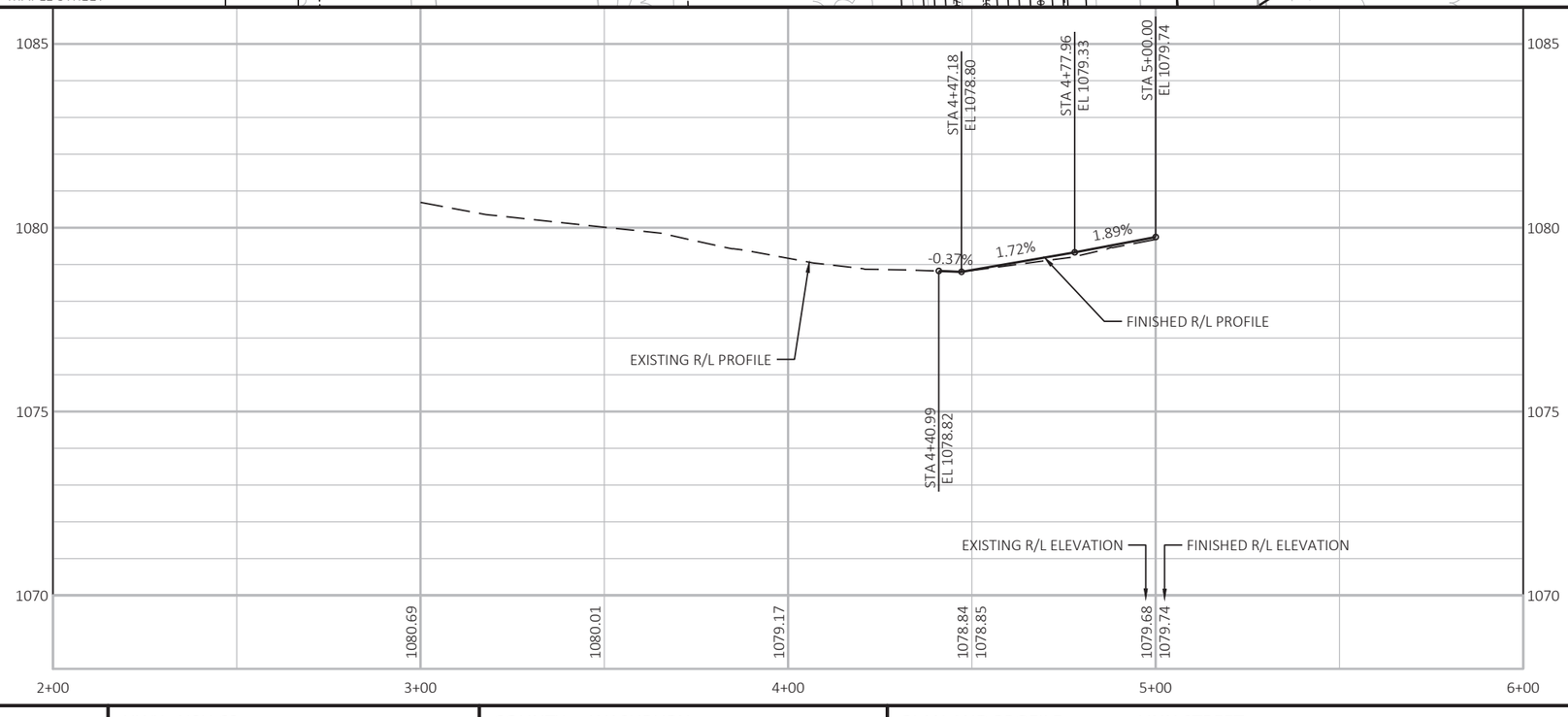


PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	PLAN AND PROFILE: USH 63	SHEET 297 E



BENCHMARK TABLE

NO	STATION	DESCRIPTION	ELEV
7	1262+08.15, 34.85' LT	CP 7 - PAINT MARK ON RIM OF MH CASTING SW CORNER OF MAPLE STREET	1090.69



PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	PLAN AND PROFILE: LINN STREET	SHEET 298 E

BEGIN CONSTRUCTION
STA 8+53.00
MATCH EXISTING
SAWCUT REQ'D

WE ENERGIES

END CONSTRUCTION
STA 11+10.00
MATCH EXISTING
SAWCUT REQ'D

N26° 14' 44"E

1263+00

1262+00

PI: 1262+51.72

STH 70

USH 63

BM 7
CP 7

STA 8+89.95
END HMA PAVEMENT
BEGIN CONCRETE PAVEMENT

STA 1262+51.72 USH 63 =
STA 10+00.00 STH 70
SEE INTERSECTION DETAIL

SPOONER MUNICIPAL UTILITIES

STA 10+90.90
END CONCRETE PAVEMENT
BEGIN HMA PAVEMENT

BENCHMARK TABLE

NO	STATION	DESCRIPTION	ELEV
7	1262+08.15, 34.85' LT	CP 7 - PAINT MARK ON RIM OF MH CASTING SW CORNER OF MAPLE STREET	1090.69

STA 8+47.00
EL 1093.47

VCL = 56.00
K = 16.91

STA 10+00.00
EL 1091.98

STA 10+22.00
EL 1091.70

STA 11+10.00
EL 1090.10

-2.06%
1.25%
-1.25%
-1.81%

FINISHED R/L PROFILE

EXISTING R/L PROFILE

VPC STA 9+22.00
VPC EL 1091.93

VPI STA 9+50.00
VPI EL 1091.35

VPT STA 9+78.00
VPT EL 1091.70

EXISTING R/L ELEVATION

FINISHED R/L ELEVATION

1095.33 | 1095.00 | 1094.29 | 1093.42 | 1093.41 | 1092.43 | 1092.38 | 1091.51 | 1091.58 | 1091.80 | 1091.98 | 1091.19 | 1091.19 | 1090.23 | 1090.29 | 1088.99 | 1087.77 | 1087.38 | 1087.70

1100 / 1095 / 1090 / 1085

7+10 / 8+00 / 9+00 / 10+00 / 11+00 / 12+00 / 13+00

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	PLAN AND PROFILE: STH 70	SHEET 299	E

STA 19+38.1 LT
CONSTRUCT 26' WIDE CE
TYPE 2
SAWCUT REQ'D

STA 20+67.3 LT
CONSTRUCT 35' WIDE CE
TYPE 2
SAWCUT REQ'D

WE ENERGIES

END CONSTRUCTION
STA 20+85.00
MATCH EXISTING
SAWCUT REQ'D

BEGIN CONSTRUCTION
STA 19+25.00
MATCH EXISTING
SAWCUT REQ'D

BY OTHERS?

BM 6
CP 6

CAUTION

17+00 18+00 19+00 20+00 21+00 22+00 23+00

S63° 46' 15"E

S63° 53' 21"E

VINE STREET

USH 63

1267+00

1266+00

STA 19+50.99
END HMA PAVEMENT
BEGIN CONCRETE PAVEMENT

STA 1266+37.95 USH 63 =
STA 20+00.00 VINE STREET
SEE INTERSECTION DETAIL

STA 20+49.10
END CONCRETE PAVEMENT
BEGIN HMA PAVEMENT

STA 1266+37.71 USH 63 =
STA 20+00.00 VINE STREET
SEE INTERSECTION DETAIL

SPOONER MUNICIPAL
UTILITIES

STA 20+54.5 RT
CONSTRUCT 20' WIDE CE
TYPE 1
SAWCUT REQ'D

N

5

5

BENCHMARK TABLE

NO	STATION	DESCRIPTION	ELEV
6	1266+69.67, 31.33' RT	CP 6 - SET PK NAIL IN ASPHALT NE CORNER VINE STREET	1094.48

1105
1100
1095
1090

STA 19+25.00 EL 1094.31
STA 19+51.00 EL 1094.50
STA 19+78.00 EL 1094.41
STA 20+00.00 EL 1094.85
STA 20+22.00 EL 1094.41
STA 20+49.10 EL 1094.61
STA 20+85.00 EL 1094.88

EXISTING R/L PROFILE

0.73% -0.33% 2.00% 2.00% 0.74% 0.75%

FINISHED R/L PROFILE

EXISTING R/L ELEVATION

FINISHED R/L ELEVATION

1093.92
1094.20
1094.52 1094.49
1095.16 1094.85
1094.81 1094.43
1094.72 1094.62
1094.81 1094.80
1094.99

17+00 18+00 19+00 20+00 21+00 22+00 23+00

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	PLAN AND PROFILE: VINE STREET	SHEET 300	E

STA 29+35.5 LT
CONSTRUCT 28' WIDE CE
TYPE 2
SAWCUT REQ'D

STA 29+50.80
END HMA PAVEMENT
BEGIN CONCRETE PAVEMENT

WE ENERGIES

STA 30+68.3 LT
CONSTRUCT 33' WIDE CE
TYPE 2
SAWCUT REQ'D

END CONSTRUCTION
STA 30+85.00
MATCH EXISTING
SAWCUT REQ'D

ASH STREET

BEGIN CONSTRUCTION
STA 29+25.00
MATCH EXISTING
SAWCUT REQ'D

STA 1270+22.46 USH 63 =
STA 30+00.00 ASH STREET
SEE INTERSECTION DETAIL

STA 30+49.05
END CONCRETE PAVEMENT
BEGIN HMA PAVEMENT

SPOONER MUNICIPAL
UTILITIES

STA 1270+23.20 USH 63 =
STA 30+00.00 ASH STREET
SEE INTERSECTION DETAIL

STA 30+68.3 RT
CONSTRUCT 33' WIDE CE
TYPE 2
SAWCUT REQ'D

USH 63

BENCHMARK TABLE

NO	STATION	DESCRIPTION	ELEV
6	1266+69.67, 31.33' RT	CP 6 - SET PK NAIL IN ASPHALT NE CORNER VINE STREET	1094.48
5	1273+83.07, 26.67' LT	CP 5 - SET PK NAIL IN ASPHALT SW CORNER OAK STREET	1092.30

EXISTING R/L PROFILE
FINISHED R/L PROFILE
EXISTING R/L ELEVATION
FINISHED R/L ELEVATION

VCL = 16.00
K = 5.27
VCL = 20.00
K = 13.25
VCL = 20.00
K = 17.74

| | | |

STA 39+38.7 LT
CONSTRUCT 28' WIDE CE
TYPE 2
SAWCUT REQ'D

WE ENERGIES

STA 1274+09.81 USH 63 =
STA 40+00.00 OAK STREET
SEE INTERSECTION DETAIL

STA 1274+10.44 USH 63 =
STA 40+00.00 OAK STREET
SEE INTERSECTION DETAIL

STA 39+50.98
END HMA PAVEMENT
BEGIN CONCRETE PAVEMENT

CAUTION

1275+00

1274+00

37+00 38+00 S63° 44' 14"E 39+00 41+00 S63° 29' 47"E 42+00 43+00

OAK STREET

BM 5
CP 5

BEGIN CONSTRUCTION
STA 39+25.00
MATCH EXISTING
SAWCUT REQ'D

END CONSTRUCTION
STA 40+80.00
MATCH EXISTING
SAWCUT REQ'D

SPOONER MUNICIPAL
UTILITIES

STA 39+39.7 RT
CONSTRUCT 14' WIDE CE
TYPE 2
SAWCUT REQ'D

USH 63

STA 40+49.20
END CONCRETE PAVEMENT
BEGIN HMA PAVEMENT

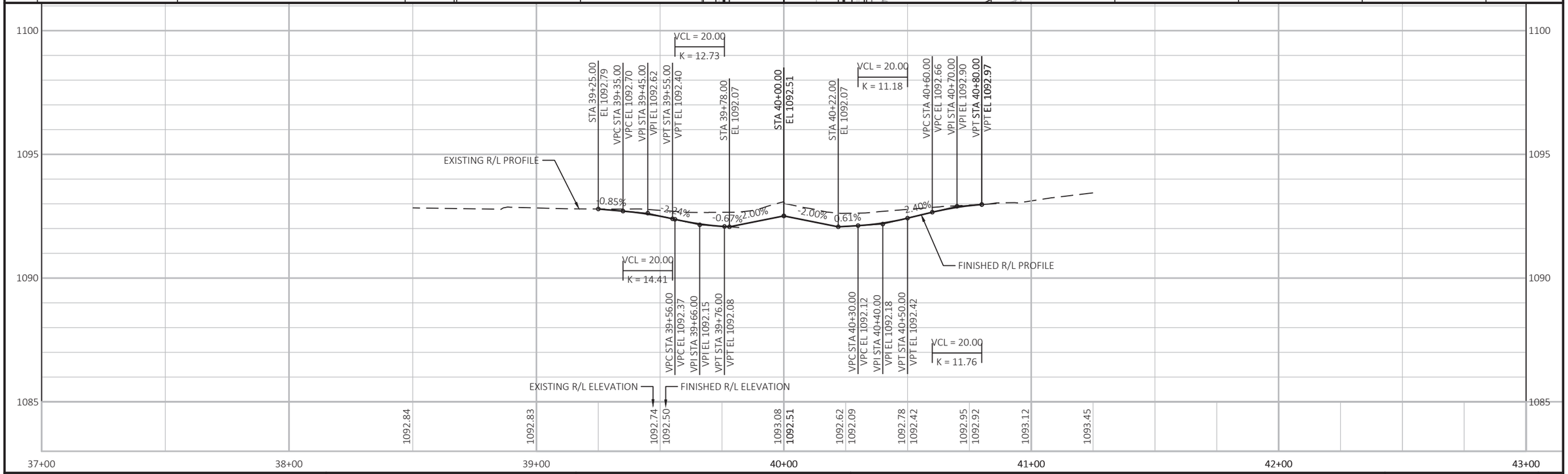
N

5

5

BENCHMARK TABLE

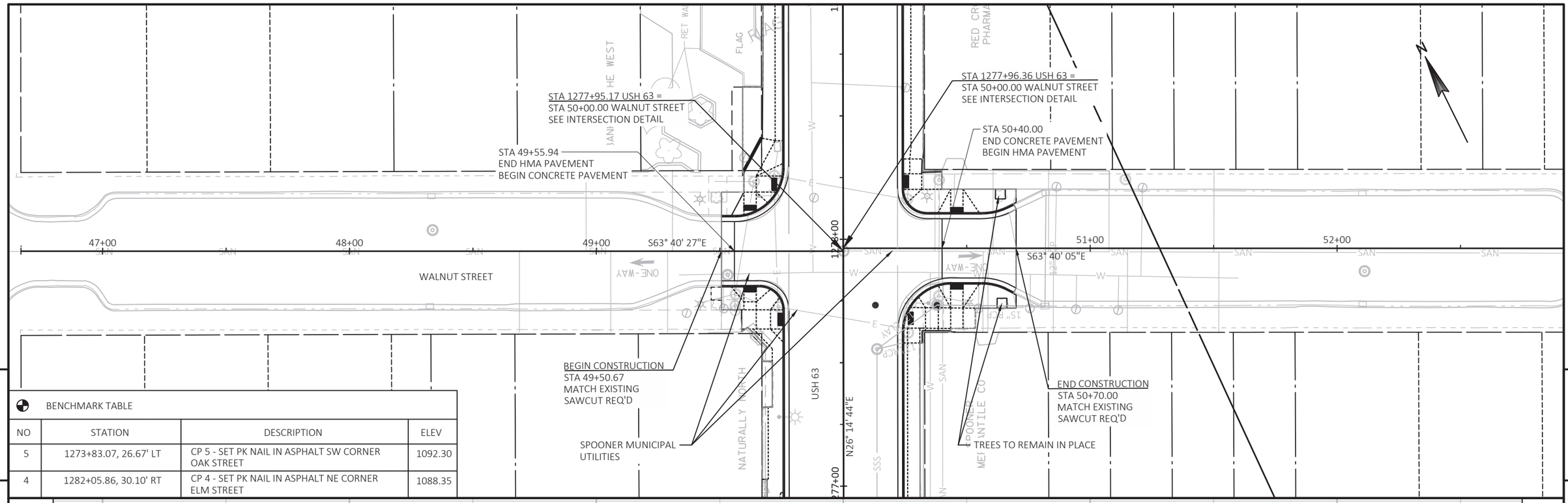
NO	STATION	DESCRIPTION	ELEV
5	1273+83.07, 26.67' LT	CP 5 - SET PK NAIL IN ASPHALT SW CORNER OAK STREET	1092.30

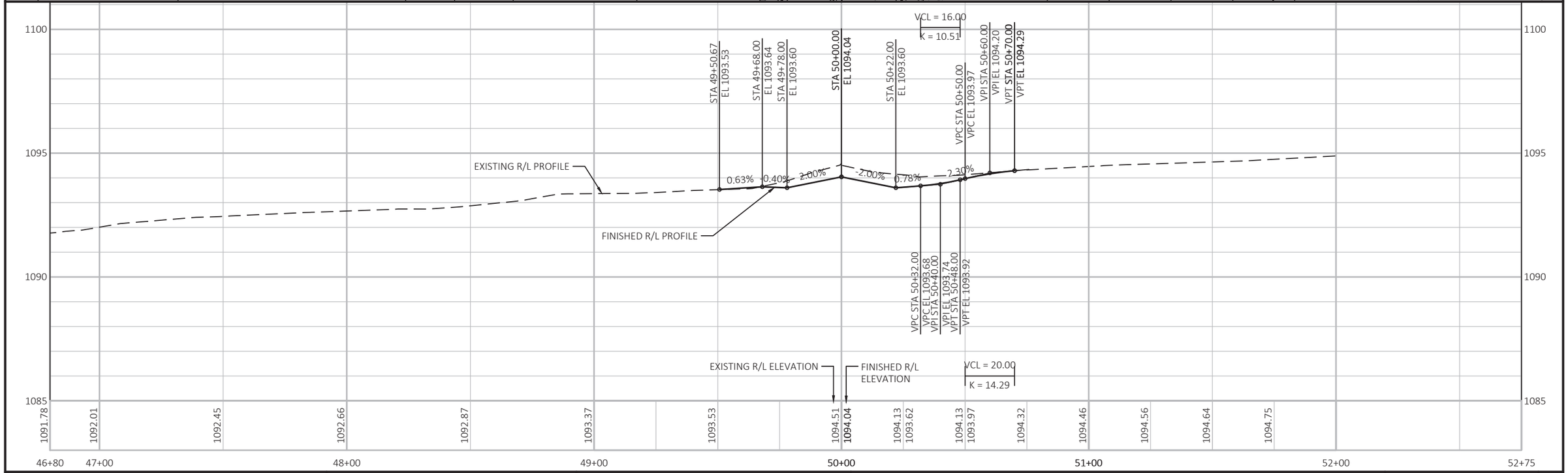


PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	PLAN AND PROFILE: OAK STREET	SHEET 302	E

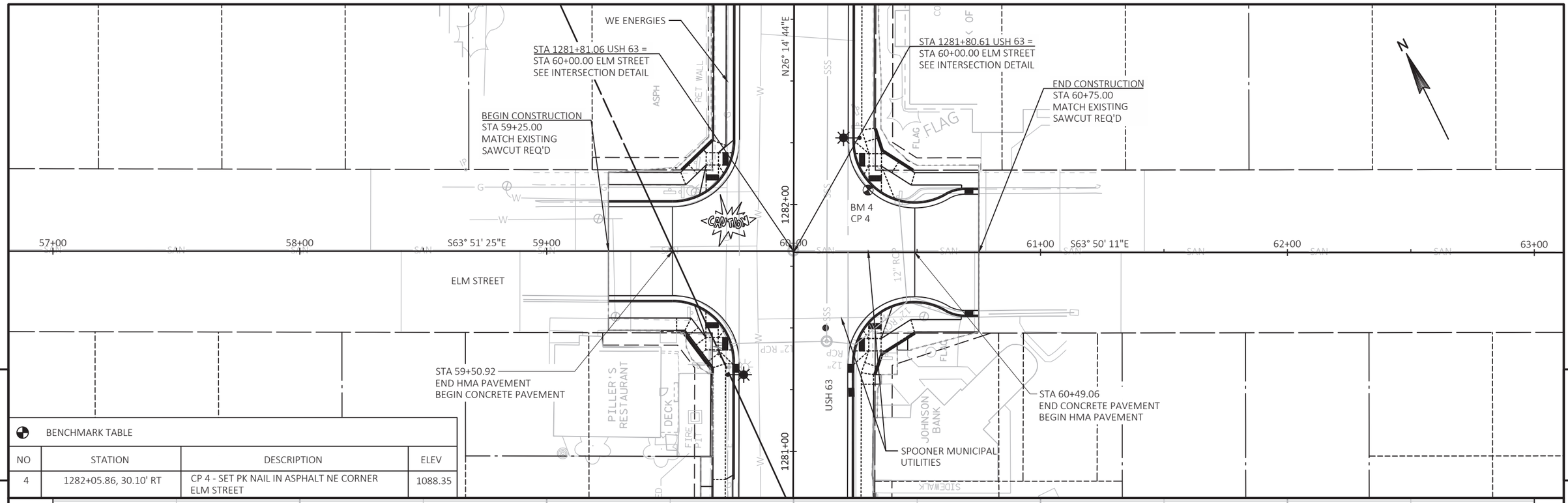
BENCHMARK TABLE

NO	STATION	DESCRIPTION	ELEV
5	1273+83.07, 26.67' LT	CP 5 - SET PK NAIL IN ASPHALT SW CORNER OAK STREET	1092.30
4	1282+05.86, 30.10' RT	CP 4 - SET PK NAIL IN ASPHALT NE CORNER ELM STREET	1088.35

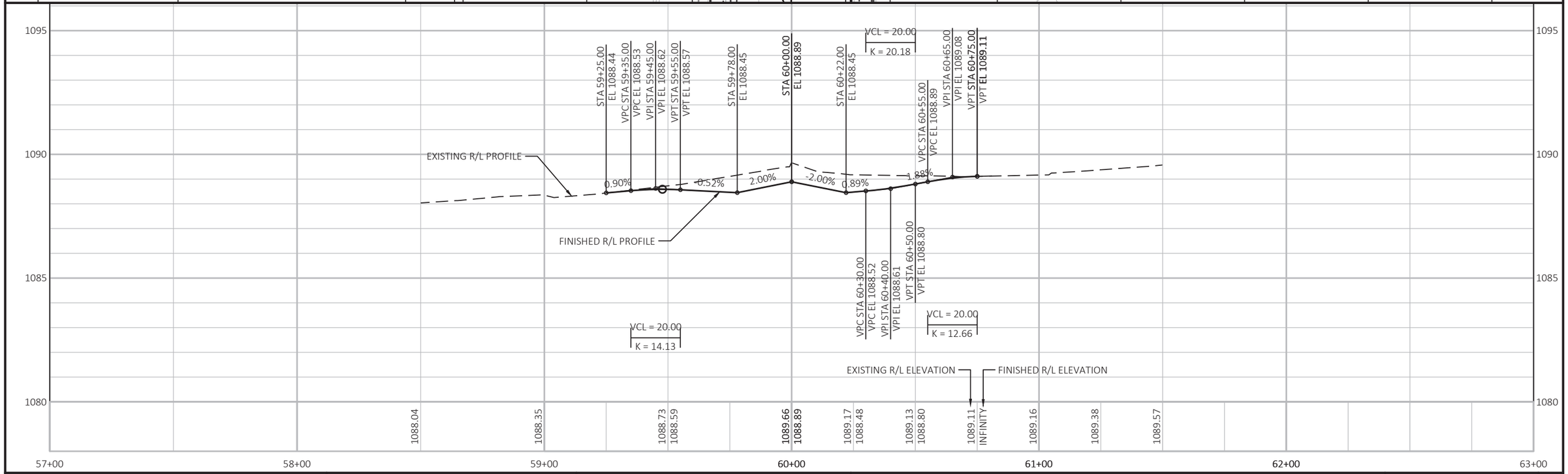




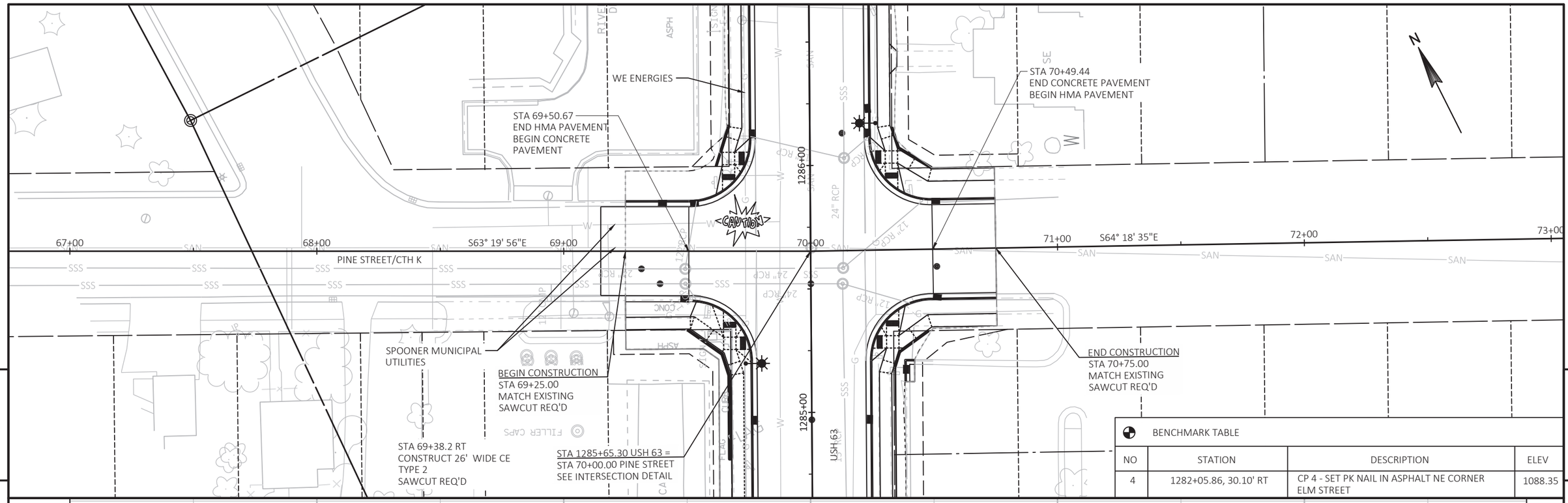
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	PLAN AND PROFILE: WALNUT STREET	SHEET 303 E



BENCHMARK TABLE			
NO	STATION	DESCRIPTION	ELEV
4	1282+05.86, 30.10' RT	CP 4 - SET PK NAIL IN ASPHALT NE CORNER ELM STREET	1088.35

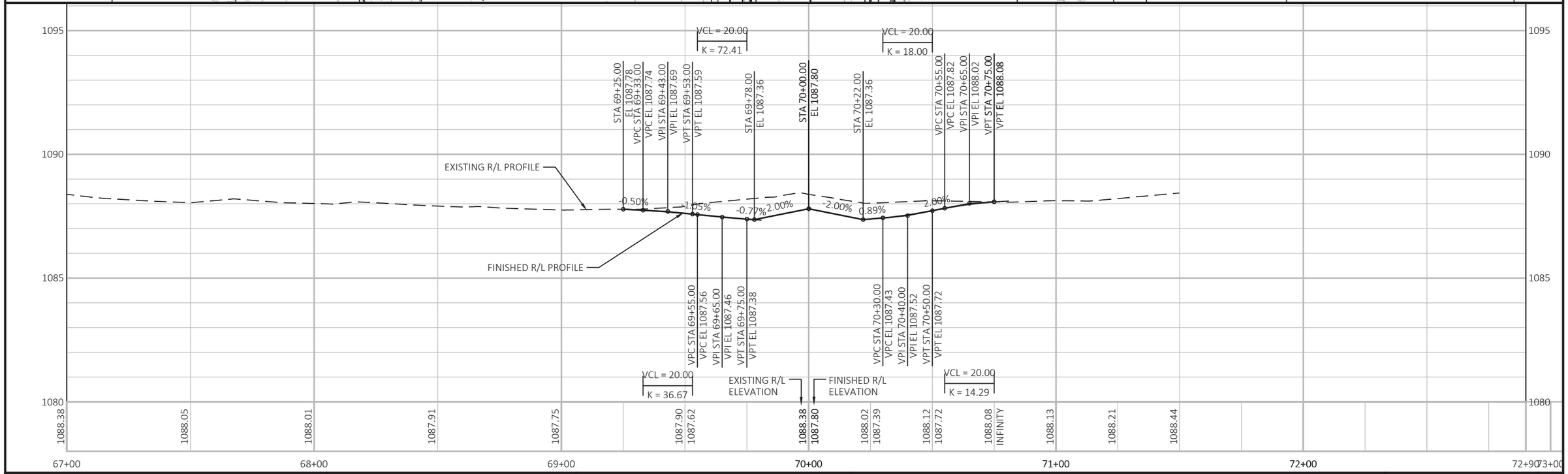


PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	PLAN AND PROFILE: ELM STREET	SHEET 304 E



BENCHMARK TABLE

NO	STATION	DESCRIPTION	ELEV
4	1282+05.86, 30.10' RT	CP 4 - SET PK NAIL IN ASPHALT NE CORNER ELM STREET	1088.35



PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	PLAN AND PROFILE: PINE STREET	SHEET 305 E

WE ENERGIES

STA 79+50.72
END HMA PAVEMENT
BEGIN CONCRETE PAVEMENT

BM 3
CP 3

CEDAR STREET

CAUTION

STA 80+49.21
END CONCRETE PAVEMENT
BEGIN HMA PAVEMENT

END CONSTRUCTION
STA 80+76.00
MATCH EXISTING
SAWCUT REQ'D

77+00 | 78+00 | S63° 23' 51"E | 79+00 | 80+00 | 81+00 | S63° 29' 18"E | 82+00 | 83+00

BEGIN CONSTRUCTION
STA 79+15.00
MATCH EXISTING
SAWCUT REQ'D

STA 1289+52.41 USH 63 =
STA 80+00.00 CEDAR STREET
SEE INTERSECTION DETAIL

SPOONER MUNICIPAL
UTILITIES

STA 1289+51.38 USH 63 =
STA 80+00.00 CEDAR STREET
SEE INTERSECTION DETAIL

SPOONER MUNICIPAL
UTILITIES

STA 80+58.3 RT
CONSTRUCT 35' WIDE CE
TYPE 2
SAWCUT REQ'D

USH 63

BENCHMARK TABLE

NO	STATION	DESCRIPTION	ELEV
3	1289+97.96, 25.53' LT	CP 3 - SET PK NAIL IN ASPHALT TERRACE NW CORNER CEDAR STREET	1089.48

VPC STA 79+15.00
VPC EL 1090.19
VPI STA 79+25.00
VPI EL 1090.05
VPT STA 79+35.00
VPT EL 1089.78
VCL = 20.00
K = 10.63
STA 79+78.00
EL 1088.95
STA 80+00.00
EL 1089.39
STA 80+22.00
EL 1088.95
VCL = 20.00
K = 31.84
VPC STA 80+56.00
VPC EL 1089.33
VPI STA 80+66.00
VPI EL 1089.48
VPT STA 80+76.00
VPT EL 1089.53

-2.71% -0.83% 2.00% -2.00% 0.83% 1.46%

FINISHED R/L PROFILE

EXISTING R/L PROFILE

VPC STA 79+50.00
VPC EL 1089.37
VPI STA 79+60.00
VPI EL 1089.10
VPT STA 79+70.00
VPT EL 1089.02
VCL = 20.00
K = 15.22

VPC STA 80+30.00
VPC EL 1089.02
VPI STA 80+40.00
VPI EL 1089.10
VPT STA 80+50.00
VPT EL 1089.25
VCL = 20.00
K = 20.80

EXISTING R/L ELEVATION
FINISHED R/L ELEVATION

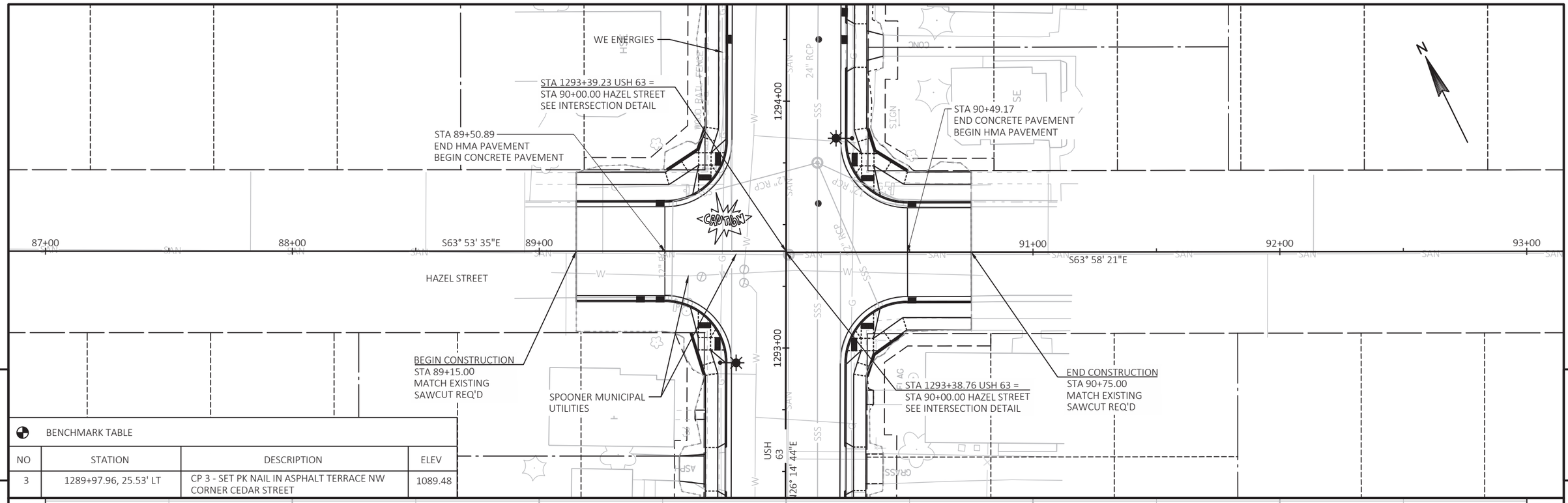
1095 | 1090 | 1085 | 1080

1089.96 1089.39 | 1089.49 1088.98 | 1089.33 1089.25 | 1089.53 1089.52 | 1089.53 | 1089.63 | 1089.66

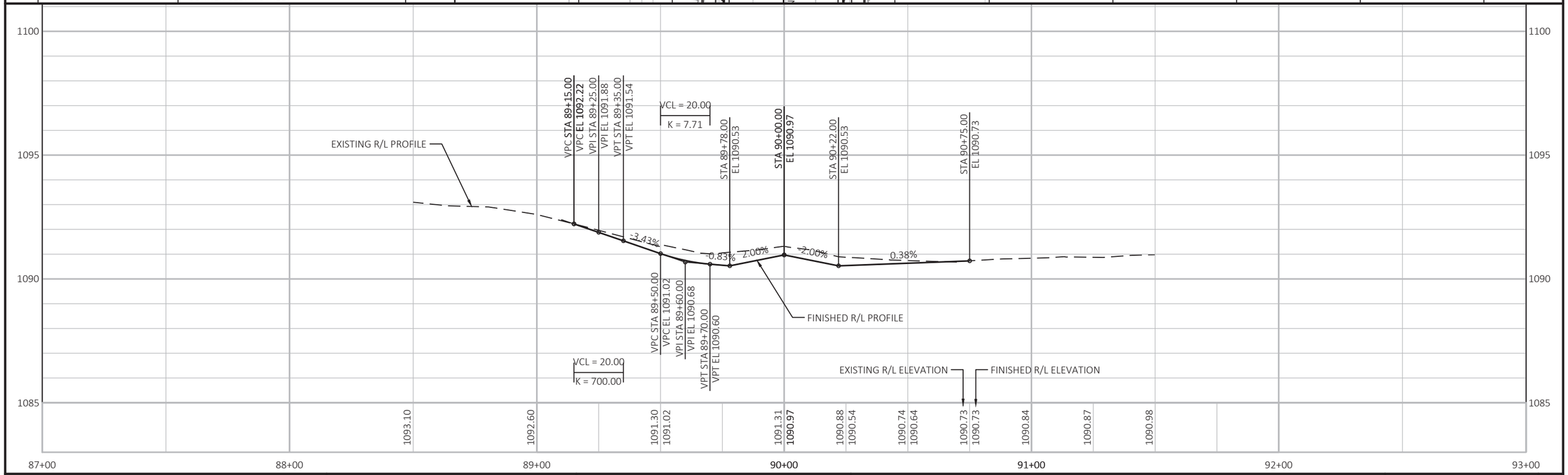
77+00 | 78+00 | 79+00 | 80+00 | 81+00 | 82+00 | 83+00

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	PLAN AND PROFILE: CEDAR STREET	SHEET E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\050102_PP.DWG
LAYOUT NAME - 9
PLOT DATE : 7/28/2021 10:52 AM
PLOT BY : ANNIE JEROME
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44



BENCHMARK TABLE			
NO	STATION	DESCRIPTION	ELEV
3	1289+97.96, 25.53' LT	CP 3 - SET PK NAIL IN ASPHALT TERRACE NW CORNER CEDAR STREET	1089.48



PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	PLAN AND PROFILE: HAZEL STREET	SHEET 307 E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\050102_PP.DWG
LAYOUT NAME - 10

PLOT DATE : 7/28/2021 10:53 AM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

STA 99+34.0 LT
CONSTRUCT 33' WIDE CE
TYPE 2
SAWCUT REQ'D

WE ENERGIES

STA 1297+24.66 USH 63 =
STA 100+00.00 SPRUCE STREET
SEE INTERSECTION DETAIL

BM 2
CP 2

STA 100+49.16
END CONCRETE PAVEMENT
BEGIN HMA PAVEMENT

END CONSTRUCTION
STA 100+75.00
MATCH EXISTING
SAWCUT REQ'D

N

97+00 98+00 S63° 40' 30"E 99+00 101+00 S63° 57' 41"E 102+00 103+00

SPRUCE STREET

1298+00 1297+00

USH 63

BEGIN CONSTRUCTION
STA 99+25.00
MATCH EXISTING
SAWCUT REQ'D

STA 99+50.93
END HMA PAVEMENT
BEGIN CONCRETE PAVEMENT

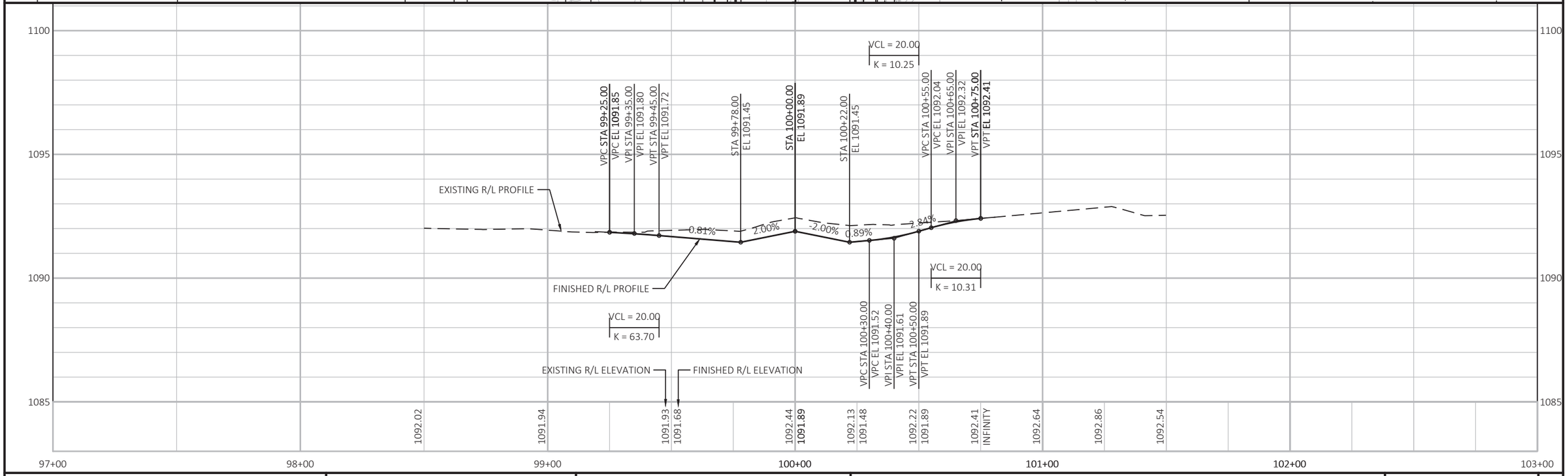
STA 1297+24.51 USH 63 =
STA 100+00.00 SPRUCE STREET
SEE INTERSECTION DETAIL

SPOONER MUNICIPAL
UTILITIES

5

5

BENCHMARK TABLE			
NO	STATION	DESCRIPTION	ELEV
2	1297+78.82, 32.71' LT	CP 2 - SET PK NAIL IN ASPHALT BEHIND SIDEWALK NW CORNER SPRUCE STREET	1092.48



PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	PLAN AND PROFILE: SPRUCE STREET	SHEET 308 E

WE ENERGIES

STA 109+50.89
END HMA PAVEMENT
BEGIN CONCRETE PAVEMENT

BEGIN CONSTRUCTION
STA 109+35.00
MATCH EXISTING
SAWCUT REQ'D

CAUTION

107+00 108+00 S63° 54' 14"E 109+00 110+00 111+00 S63° 52' 32"E 112+00

1302+00

1301+00

BALSAM STREET

USH 63

STA 1301+10.92 USH 63 =
STA 110+00.00 BALSAM STREET
SEE INTERSECTION DETAIL

END CONSTRUCTION
STA 110+70.00
MATCH EXISTING
SAWCUT REQ'D

STA 1301+11.10 USH 63 =
STA 110+00.00 BALSAM STREET
SEE INTERSECTION DETAIL

STA 110+49.10
END CONCRETE PAVEMENT
BEGIN HMA PAVEMENT

STA 110+54.7 RT
CONSTRUCT 30' WIDE CE
TYPE 2
SAWCUT REQ'D

SPOONER MUNICIPAL
UTILITIES

CAROUEST

5

5

BENCHMARK TABLE			
NO	STATION	DESCRIPTION	ELEV
2	1297+78.82, 32.71' LT	CP 2 - SET PK NAIL IN ASPHALT BEHIND SIDEWALK NW CORNER SPRUCE STREET	1092.48

VCL = 20.00
K = 21.82

VCL = 20.00
K = 16.45

VPC STA 109+35.00
VPC EL 1093.22
VPI STA 109+45.00
VPI EL 1093.14
VPT STA 109+55.00
VPT EL 1092.97

STA 109+78.00
EL 1092.70

STA 110+00.00
EL 1093.14

STA 110+22.00
EL 1092.70

VPC STA 110+50.00
VPC EL 1093.09
VPI STA 110+60.00
VPI EL 1093.30
VPT STA 110+70.00
VPT EL 1093.40

-1.67% -0.75% 2.00% 2.00% 0.88% 2.09%

FINISHED R/L PROFILE

EXISTING R/L PROFILE

VCL = 20.00
K = 23.08

VPC STA 109+56.00
VPC EL 1092.96
VPI STA 109+66.00
VPI EL 1092.79
VPT STA 109+76.00
VPT EL 1092.72

VPC STA 110+28.00
VPC EL 1092.75
VPI STA 110+38.00
VPI EL 1092.84
VPT STA 110+48.00
VPT EL 1093.05

EXISTING R/L ELEVATION

FINISHED R/L ELEVATION

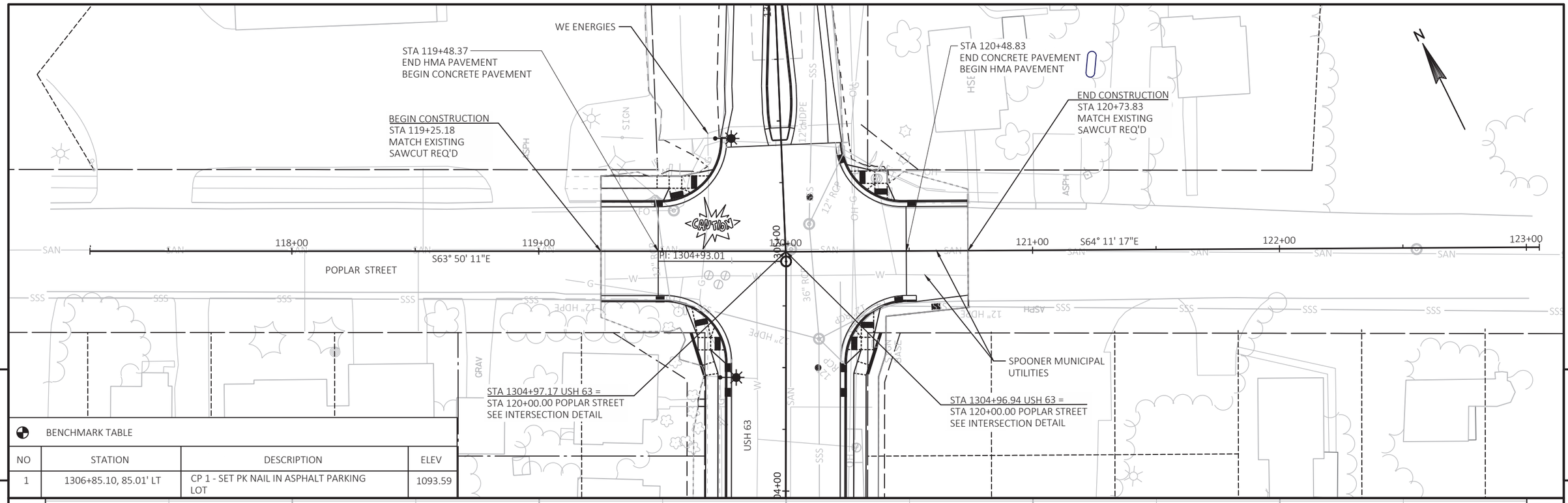
VCL = 20.00
K = 18.33

1094.30 1093.78 1093.14 1093.05 1093.53 1093.14 1093.25 1092.73 1093.16 1093.09 1093.44 1093.60 1093.78 1094.05

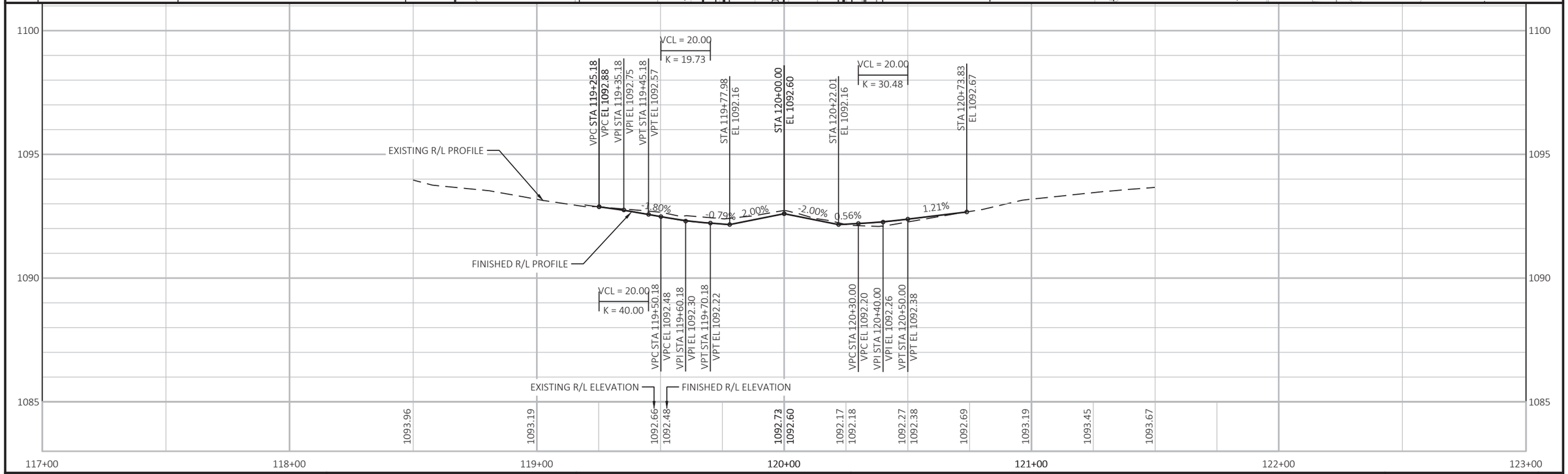
1100 1095 1090 1085

106+80 107+00 108+00 109+00 110+00 111+00 112+00 112+80

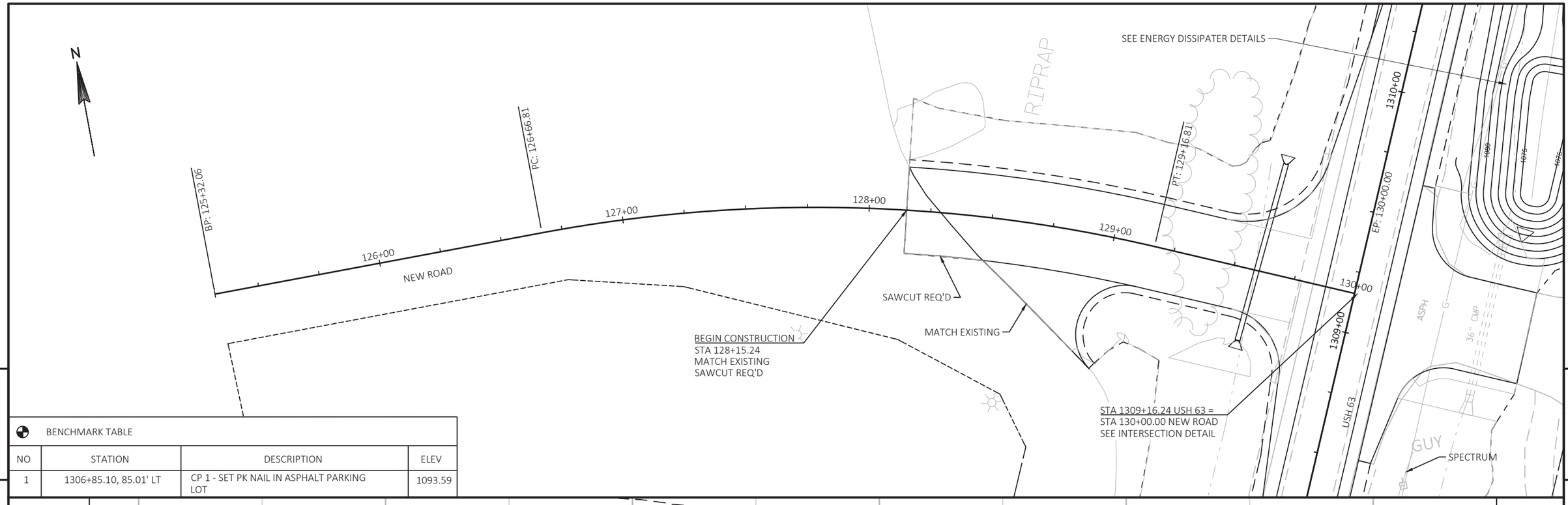
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	PLAN AND PROFILE: BALSAM STREET	SHEET 309	E



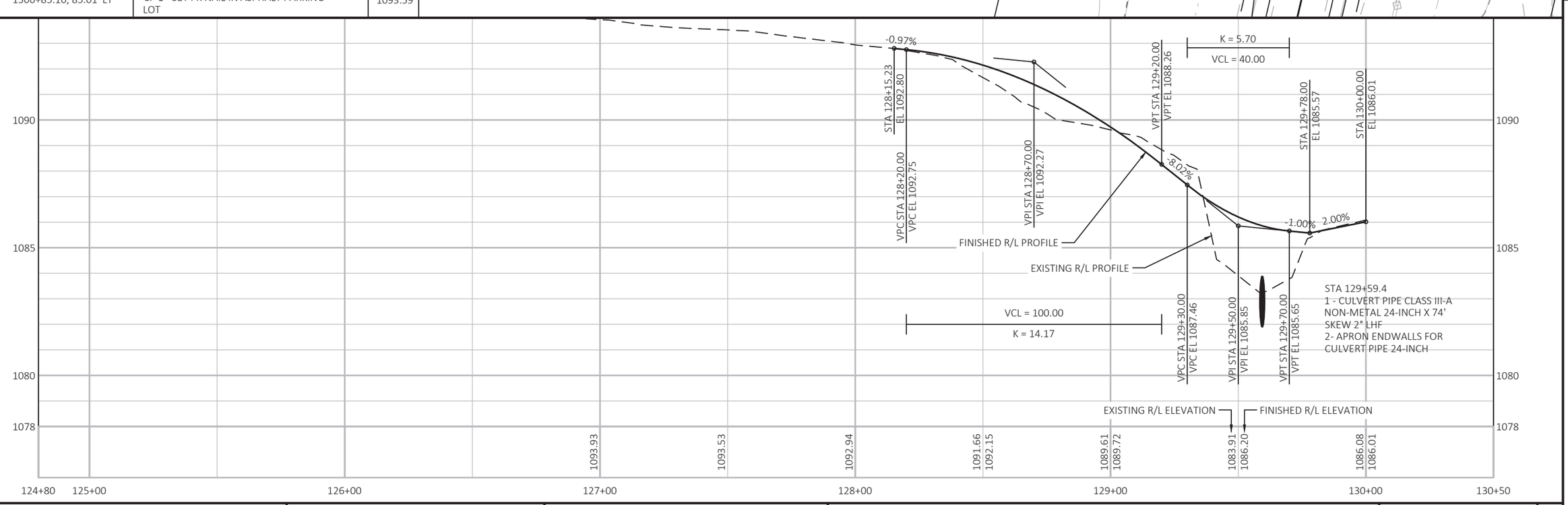
BENCHMARK TABLE			
NO	STATION	DESCRIPTION	ELEV
1	1306+85.10, 85.01' LT	CP 1 - SET PK NAIL IN ASPHALT PARKING LOT	1093.59



PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	PLAN AND PROFILE: POPLAR STREET	SHEET 310 E



BENCHMARK TABLE			
NO	STATION	DESCRIPTION	ELEV
1	1306+85.10, 85.01' LT	CP 1 - SET PK NAIL IN ASPHALT PARKING LOT	1093.59



PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	PLAN AND PROFILE: NEW ROAD	SHEET E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\050102_PP.DWG
LAYOUT NAME - 14
PLOT DATE : 7/28/2021 10:59 AM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:40 FT

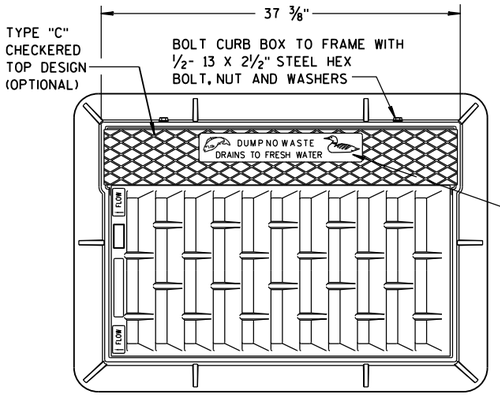
Standard Detail Drawing List

08A05-19A	INLET COVERS TYPE A, H, A-S, H-S & Z
08A05-19B	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM
08A05-19D	INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M
08A08-02	CATCH BASINS 3-FT, 4-FT, 5-FT AND 6-FT DIAMETER
08A09-02	CATCH BASINS 2X3-FT AND 2.5X3-FT
08B09-02	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER
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
08D05-20A	CURB RAMPS TYPES 1 AND 1-A
08D05-20B	CURB RAMPS TYPES 2 AND 3
08D05-20C	CURB RAMPS TYPES 4A AND 4A1
08D05-20D	CURB RAMPS TYPE 4B AND 4B1
08D05-20E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08D05-20F	CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS
08D05-20G	CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES
08D16-11	CONCRETE GUTTER, CURB AND GUTTER AND PAVEMENT TIES
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
08F02-01	APRON ENDWALLS FOR PIPE ARCH AND ELLIPTICAL PIPE
08F04-07	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
08F07-05	STEEL APRON ENDWALLS FOR CULVERT PIPE AND PIPE ARCH SLOPED SIDE DRAINS
09B02-10	CONDUIT
09B04-11	PULL BOX
09B16-01	PULL BOX NON-CONDUCTIVE
09C02-09	CONCRETE BASES, TYPES 1, 2, 5, & 6
09C03-04	TRANSFORMER/PEDESTAL BASES
09C06-07	CONCRETE CONTROL CABINET BASE, TYPE 9, SPECIAL
09C11-10	CONCRETE BASE TYPE 10
09C12-09A	CONCRETE BASE TYPE 13
09C12-09B	CONCRETE BASE TYPE 13
09C15-01	CONCRETE BASE TYPE 10 SPECIAL
09D01-05	CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)
09E01-15D	POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 5 (30 FEET)
09E03-06	NON-FREEWAY LIGHTING UNIT POLE WIRING
09E06-05	TRAFFIC SIGNAL STANDARD POLY BRACKET MOUNTINGS (TYPICAL) 13 FT. OR 15 FT.
09E07-06	TRAFFIC SIGNAL STANDARD PEDESTRIAN AND FLASHER TYPICAL MOUNTING DETAILS
09E08-09E	TYPE 10 POLE 15'-30' MONOTUBE ARM
09E08-09G	TYPE 10 SPECIAL POLE 40' MONOTUBE ARM
09E08-09J	TYPE 13 POLE 35'-55' MONOTBE ARM
09E08-09K	GENERAL NOTES,HARDWARE DETAILS FOR TYPE 9/10,9/10 SPECIAL,12 & 13 POLES W/MONOTUBE ARMS
09E12-01D	OVER HEIGHT TYPE 13 POLE 35'-55' MONOTBE ARM
09E12-01E	GENERAL NOTES AND HARDWARE DETAILS FOR OVER HEIGHT TYPE 9, 10, 12 & 13 POLES WITH MONOTUBE ARMS
09F15-04B	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
09G01-04A	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04B	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04C	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04D	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04E	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04F	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04G	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09H09-02	COMMUNICATION VAULT TYPE 1
11B02-02	CONCRETE MEDIAN NOSE
13C01-19	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES
13C18-07A	CONCRETE PAVEMENT JOINTING
13C18-07C	CONCRETE PAVEMENT JOINT TYPES
13C18-07D	CONCRETE PAVEMENT JOINT TYPES AT UTILITY FIXTURES
13C19-03	HMA LONGITUDINAL JOINTS
15C02-08A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-08C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

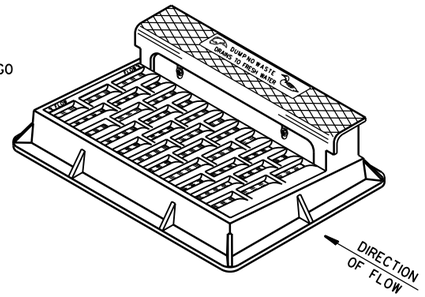
6

Standard Detail Drawing List

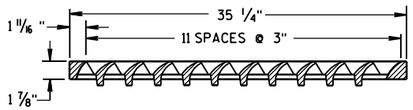
15C05-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C07-15B	PAVEMENT MARKING WORDS
15C07-15C	PAVEMENT MARKING ARROWS
15C08-20A	LONGITUDINAL MARKING (MAINLINE)
15C08-20B	PAVEMENT MARKING (TURN LANES)
15C08-20C	PAVEMENT MARKING (TURN LANES)
15C11-09A	CHANNELIZING DEVICES FLEXIBLE TUBULAR MARKER POST
15C11-09B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-07	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C19-06A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C33-04	STOP LINE AND CROSSWALK PAVEMENT MARKING
15C35-04A	PAVEMENT MARKING (INTERSECTIONS)
15C36-01	PARKING STALL MARKING
15D12-09A	TRAFFIC CONTROL, LANE CLOSURE
15D20-05A	TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
15D28-04	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D30-06A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-06B	TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION
15D30-06C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D38-02A	TEMPORARY TRAFFIC CONTROL SIGN MOUNTING
15D38-02B	ATTACHMENT OF SIGNS TO POSTS

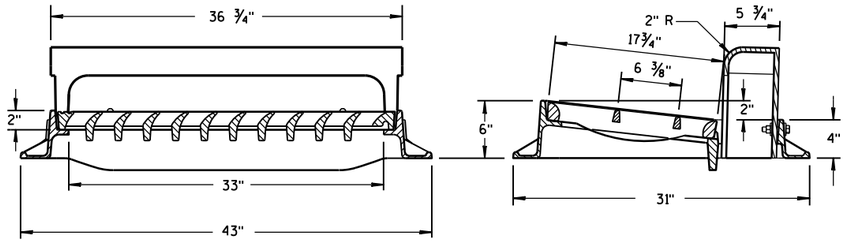


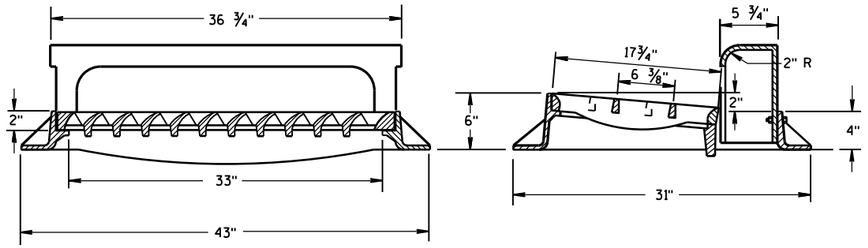
NOTE:
GRATE IS REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

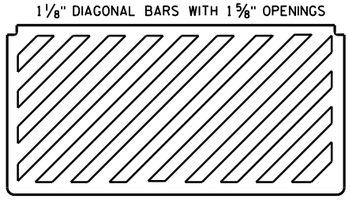






TYPE "H"

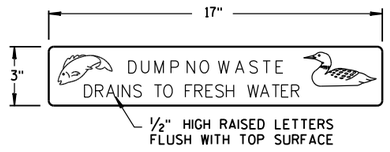
NOTE: EITHER CASTING IS ACCEPTABLE



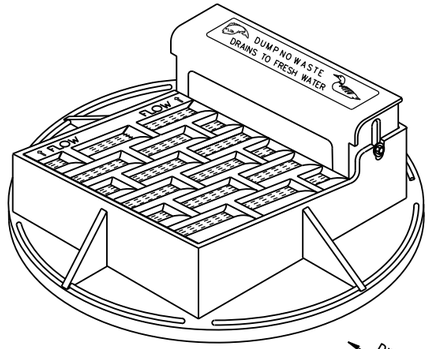
SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35 1/4" X 17 3/4" X 2")

(NOTED AS TYPE H-S ON DRAINAGE TABLE)



LOGO DETAIL



NOTE: CURB BOX ADJUSTABLE 4" TO 9"

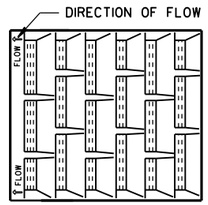
NOTE:
GRATE IS REVERSIBLE.

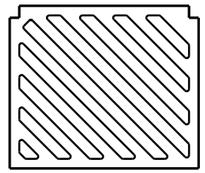
GENERAL NOTES

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

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

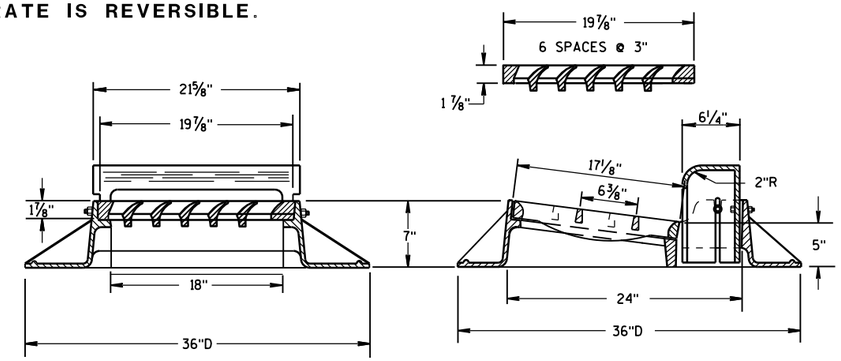




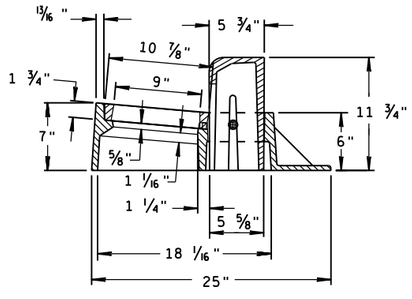
SPECIAL GRATE FOR TYPE "A" COVER

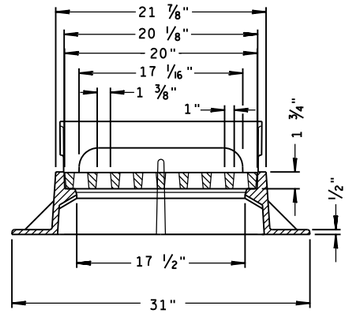
(MEASURES 19 3/4" X 17" X 1 7/8")

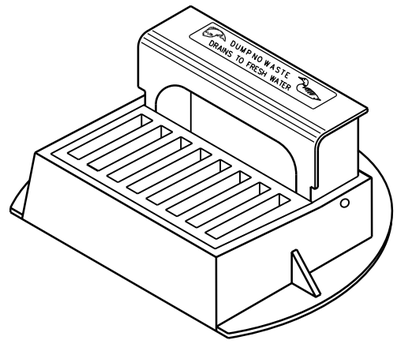
(NOTED AS TYPE A-S ON DRAINAGE TABLE)



TYPE "A"







TYPE "Z"

INLET COVERS
TYPE A, H, A-S, H-S & Z

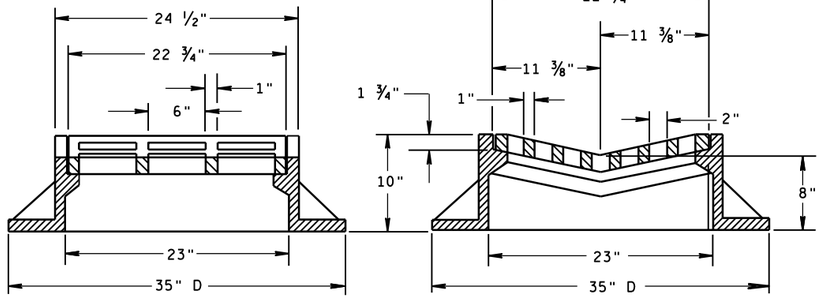
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

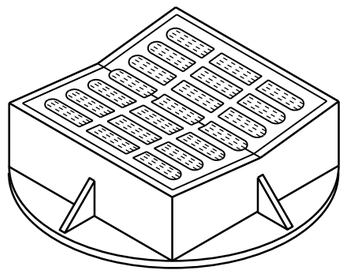
APPROVED
11-27-13 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

6

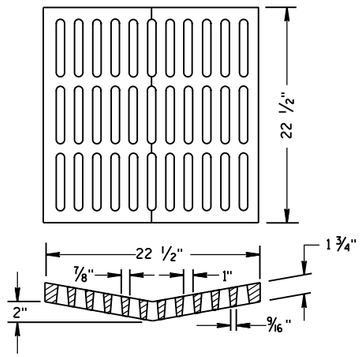
S.D.D. 8 A 5-19a

S.D.D. 8 A 5-19a



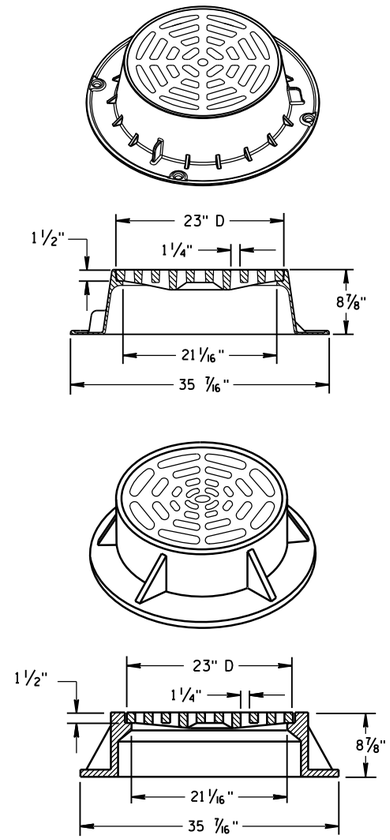


TYPE "B"



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"

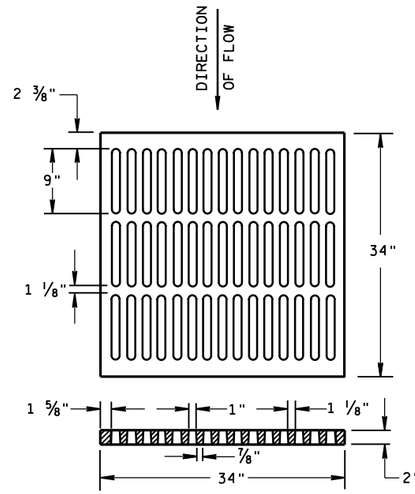
NOTE: EITHER CASTING IS ACCEPTABLE

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.

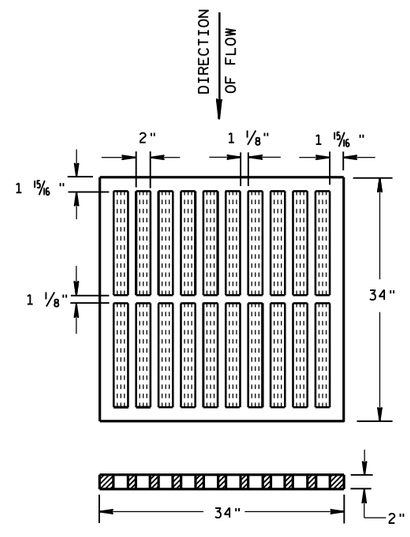
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



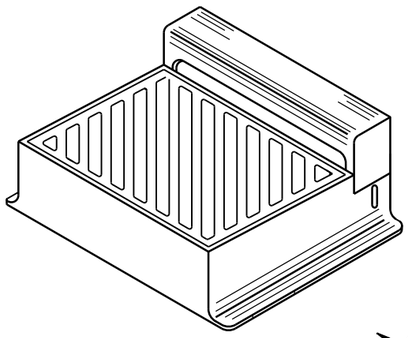
ALTERNATIVE TYPE "MS"

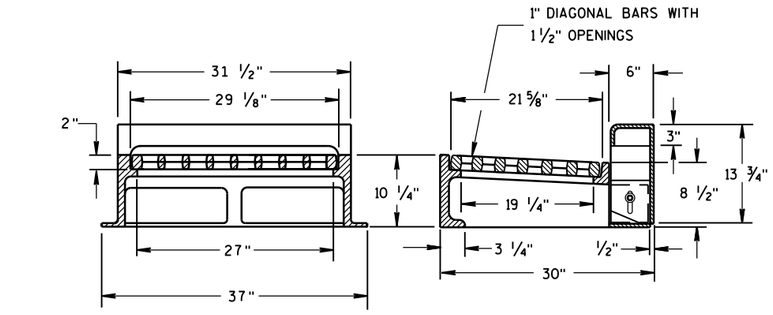
USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS PERMITTED
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE



TYPE "MS"

USE ON FREEWAYS AND EXPRESSWAYS
NOTED AS TYPE MS ON DRAINAGE TABLE





NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

TYPE "WM"

DIAGONAL SLOTS, SHALL BE ORIENTED TO THE DIRECTION OF FLOW AS ILLUSTRATED. GRATES ARE MANUFACTURED TO BE REVERSIBLE.

INLET COVERS
TYPE B, B-A, C,
MS, MS-A, & WM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

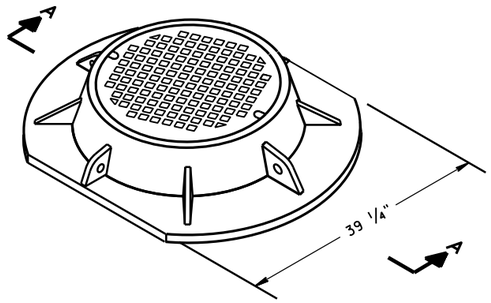
APPROVED
11/27/2013
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

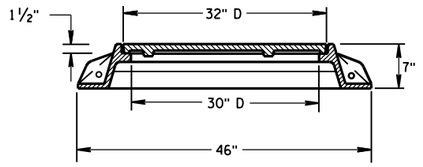
6

S.D.D. 8 A 5-19b

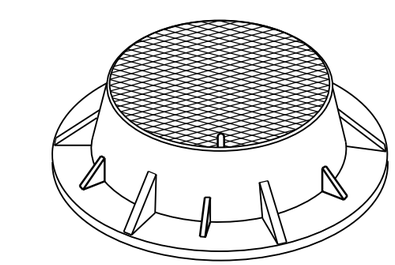
6

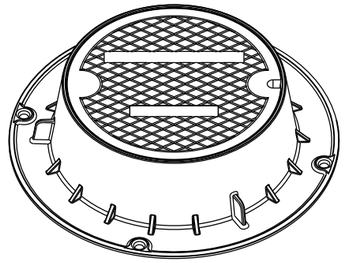
S.D.D. 8 A 5-19b

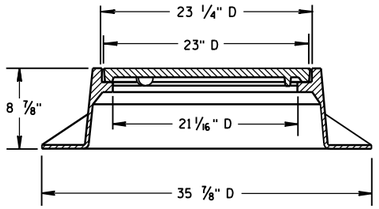


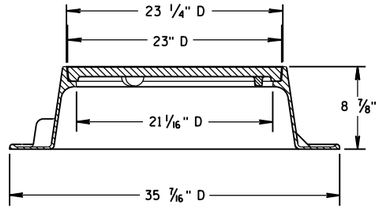


SECTION A-A
TYPE "K"









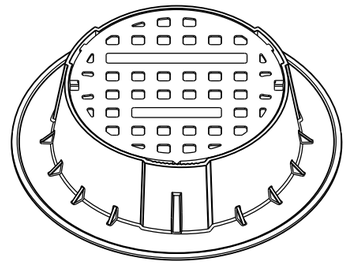
TYPE "J"
NOTE: EITHER CASTING IS ACCEPTABLE

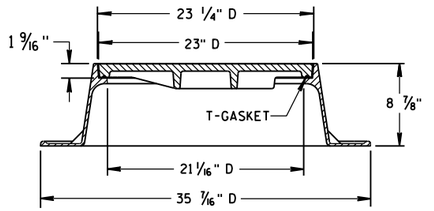
GENERAL NOTES

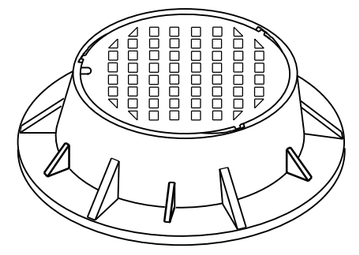
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

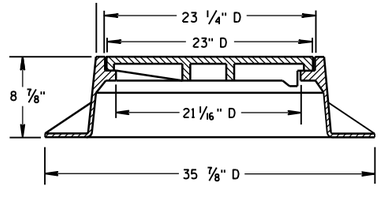
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

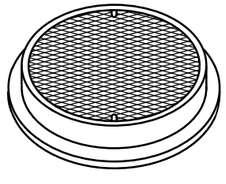


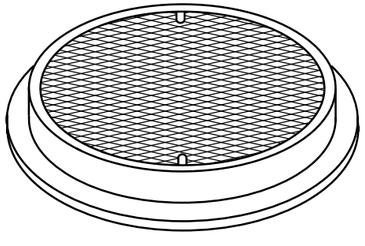


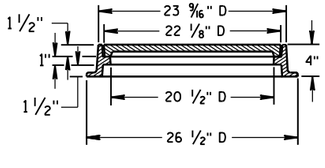




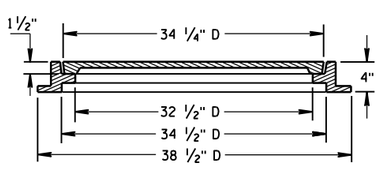
TYPE "J" SPECIAL
TYPE "B" NON-ROCKING SELF-SEAL LID
(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)
NOTE: EITHER CASTING IS ACCEPTABLE



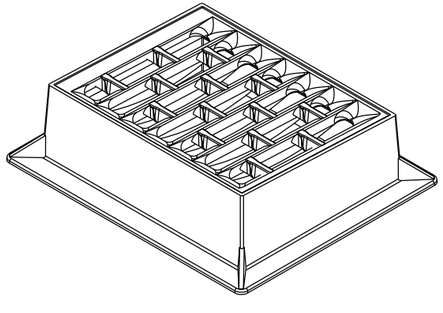


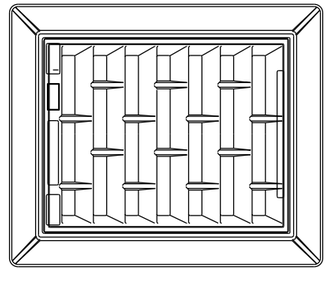


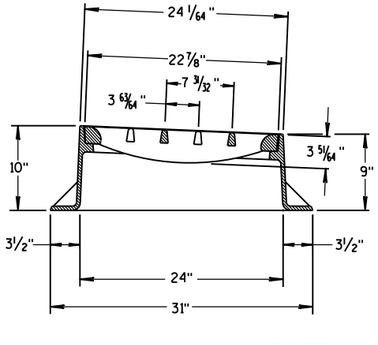
TYPE "L"

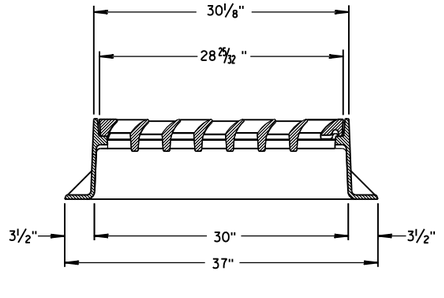


TYPE "M"









INLET COVER TYPE "BW"

INLET COVER TYPE BW
MANHOLE COVERS, TYPE K, J, J-S, L & M

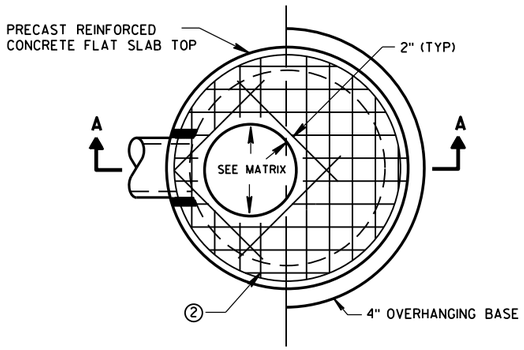
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013
DATE
FHWA

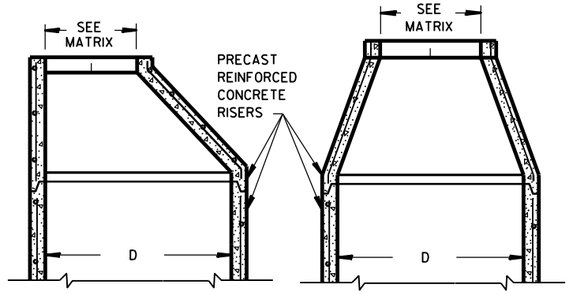
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER

6

S.D.D. 8 A 5-19d

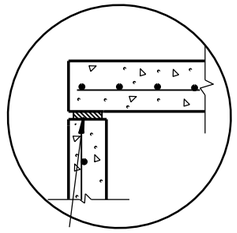


PLAN VIEW CIRCULAR OPENING

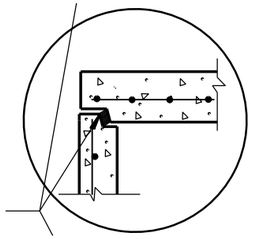


OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

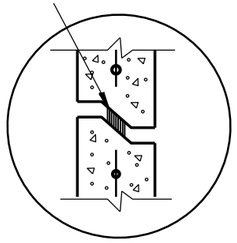


TOP WITH PLAIN END JOINT



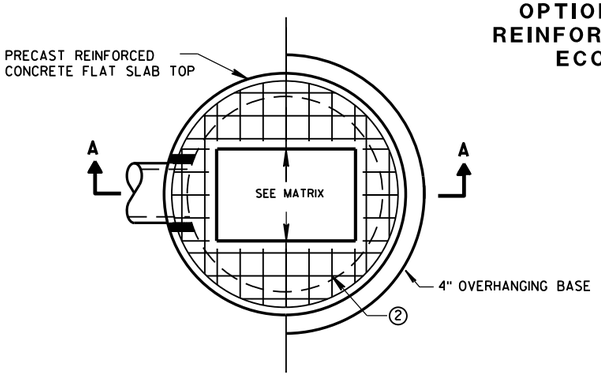
JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP)

TOP WITH TONGUE AND GROOVE JOINT

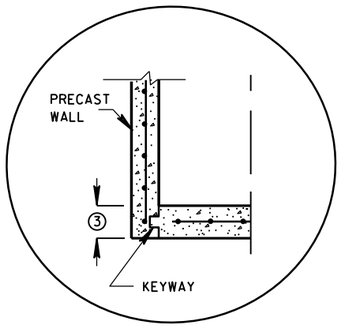


RISER WITH TONGUE AND GROOVE JOINT

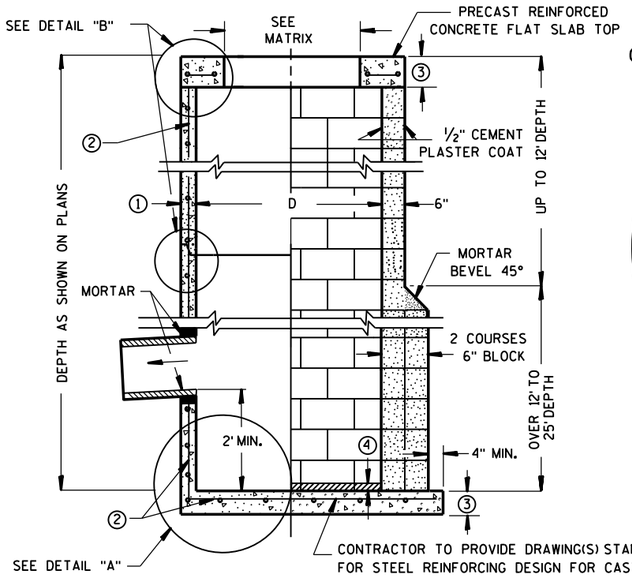
DETAIL "B"



PLAN VIEW RECTANGULAR OPENING



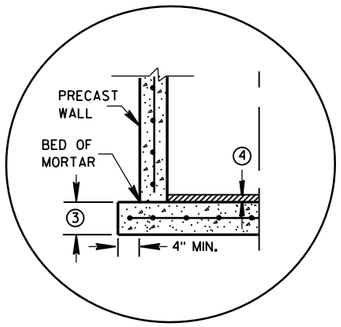
PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SECTION A-A

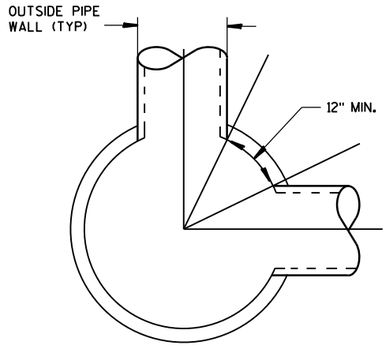
PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "C"

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST CATCH BASIN UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED CONCRETE CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED CONCRETE FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES, AND CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF ½ INCH AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

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

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.

CONCRETE BLOCK WILL NOT BE PERMITED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

① MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT, 5 INCHES FOR 4-FT, 6 INCHES FOR 5-FT AND 7 INCHES FOR 6-FT DIAMETER PRECAST CATCH BASINS.

② FOR PRECAST CATCH BASINS PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

③ PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER OF 48" AND LESS SHALL HAVE A MINIMUM THICKNESS OF 6". PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER LARGER THAN 48" SHALL HAVE A MINIMUM THICKNESS OF 8".

④ 1" CONCRETE KEY POURED AFTER INSTALLATION. 2' SUMP MEASURED FROM TOP OF KEY.

CATCH BASIN COVER OPENING MATRIX

CATCH BASIN SIZE	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V	WM	Z
	OPENING SIZE (FT)											
3-FT	2X2	X	X					X		X		
	2 DIA.				X							X
4-FT-6-FT	2X2	X	X					X		X		
	2X2.5			X				X	X	X	X	
	2 DIA.				X							X
	2X3						X					
	2.5X3					X						

PIPE MATRIX

CATCH BASIN SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18
5-FT	36	24
6-FT	42	30

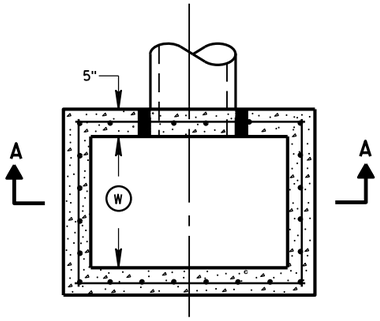
CATCH BASINS 3-FT, 4-FT, 5-FT AND 6-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

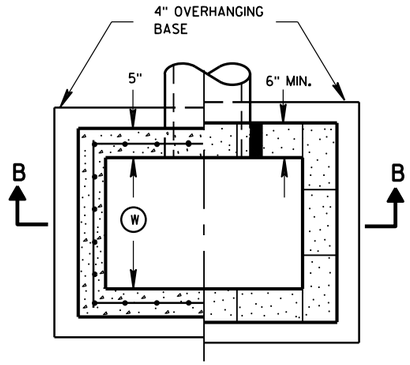
APPROVED
Sept., 2016 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS UNIT SUPERVI...
FHWA

S.D.D. 8 A 8-2

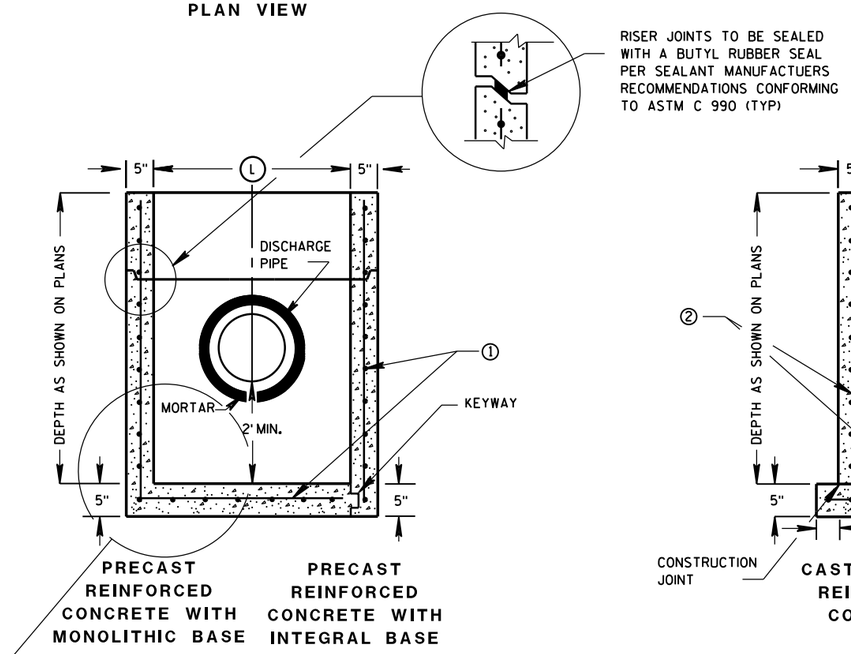
S.D.D. 8 A 8-2



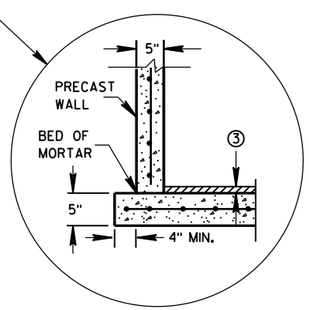
PLAN VIEW



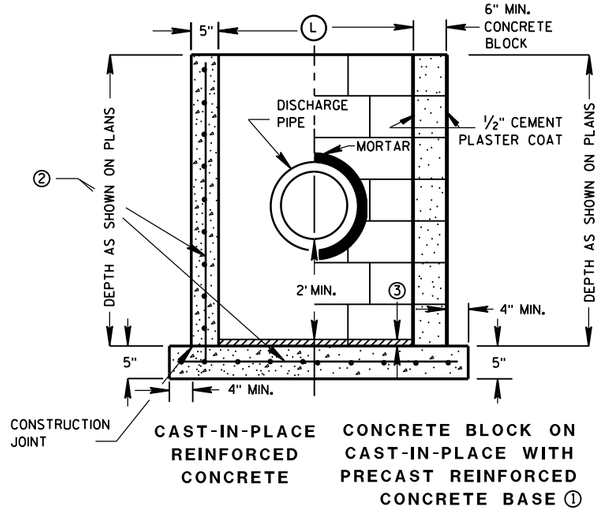
PLAN VIEW



SECTION A-A



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION



SECTION B-B

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST CATCH BASIN UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL PRECAST CATCH BASIN 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" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST CATCH BASINS 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.

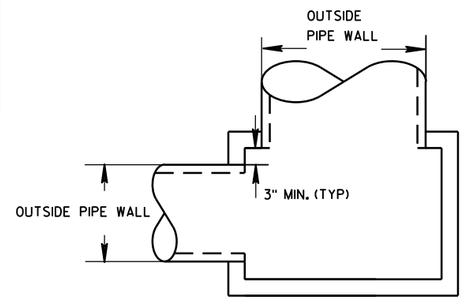
③ 1" CONCRETE KEY POURED AFTER INSTALLATION. 2' SUMP MEASURED FROM TOP OF KEY.

CATCH BASIN COVER MATRIX

CATCH BASIN SIZE		INLET COVER TYPE	F	ALL H'S
	WIDTH (W) (FT)	LENGTH (L) (FT)		
2X3-FT	2	3		X
2.5X3-FT	2.5	3	X	

PIPE MATRIX

CATCH BASIN SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	WIDTH (IN)	LENGTH (IN)
2X3-FT	12	24
2.5X3-FT	18	24



DETAIL "A"

CATCH BASINS 2X3-FT AND 2.5X3-FT

CATCH BASINS 2X3-FT AND 2.5X3-FT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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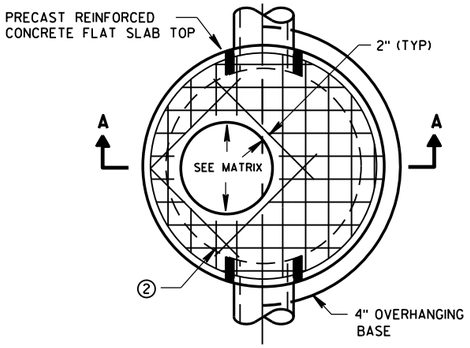
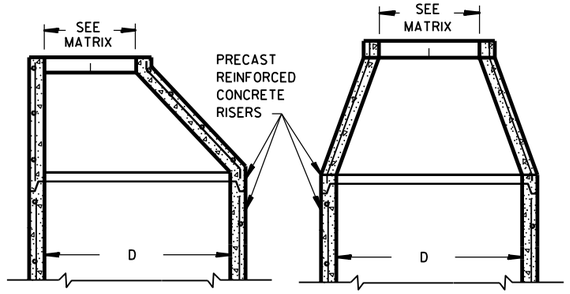
Sept., 2016 — DATE
/S/ Rodney Taylor
ROADWAY STANDARDS UNIT SUPERVISOR
FHWA

6

S.D.D. 8 A 9-2

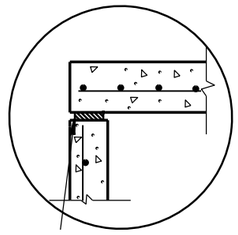


PLAN VIEW CIRCULAR OPENING

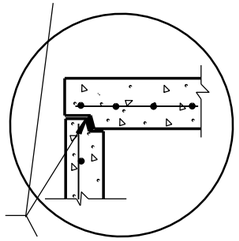


OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

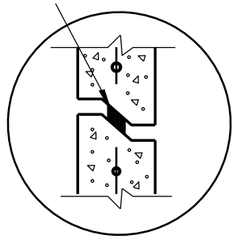


TOP WITH PLAIN END JOINT



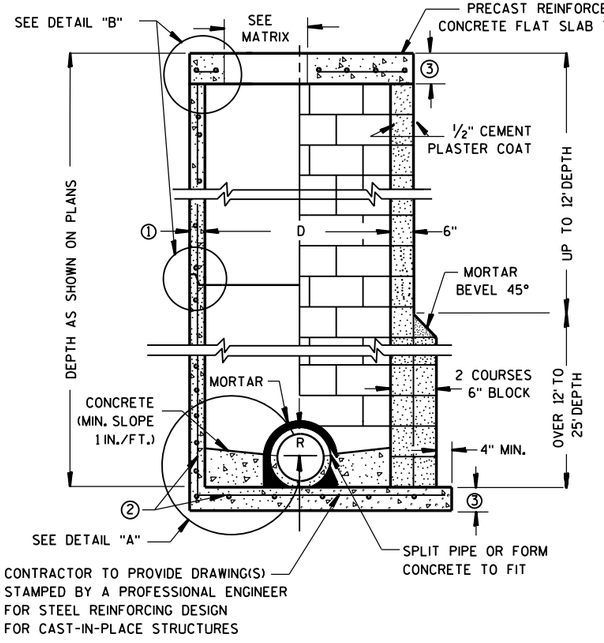
TOP WITH TONGUE AND GROOVE JOINT

JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C990 (TYP)



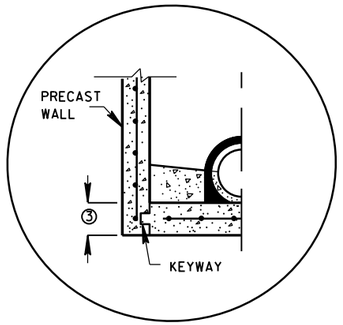
RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

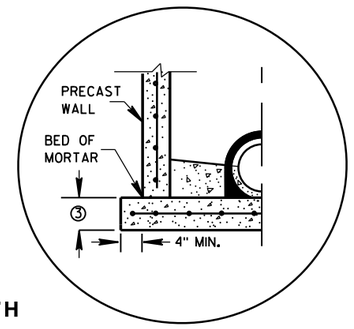


PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

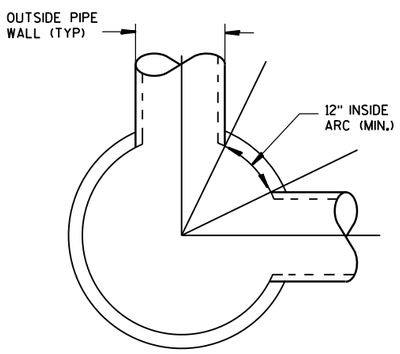


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "C"

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST MANHOLE UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

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ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES, AND CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF ½" AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

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

CONCRETE BLOCK WILL NOT BE PERMITED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

ALL PRECAST MANHOLE UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M 199.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

① MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT, 5 INCHES FOR 4-FT, 6 INCHES FOR 5-FT, 7 INCHES FOR 6-FT, 8 INCHES FOR 7-FT AND 9 INCHES FOR 8-FT DIAMETER PRECAST MANHOLES.

② FOR PRECAST MANHOLES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

③ PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER OF 48" AND LESS SHALL HAVE A MINIMUM THICKNESS OF 6". PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER LARGER THAN 48" SHALL HAVE A MINIMUM THICKNESS OF 8".

MANHOLE COVER OPENING MATRIX

MANHOLE COVER TYPE	C	ALL J'S	K	L	M
OPENING SIZE (FT)					
2 DIA.	X	X		X	
3 DIA.			X		X

PIPE MATRIX

MANHOLE SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18
5-FT	36	24
6-FT	42	36
7-FT	48	36
8-FT	60	42

MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

Sept., 2016
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT
UNIT SUPERV

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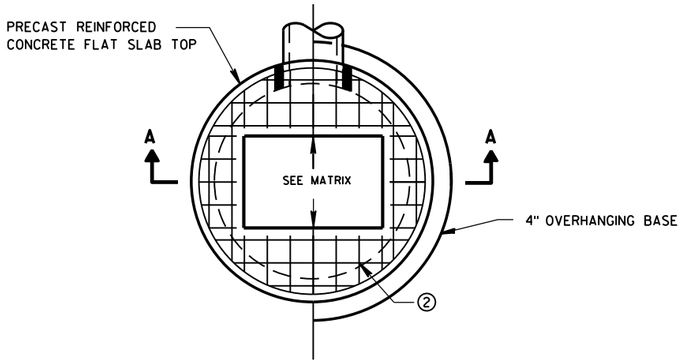
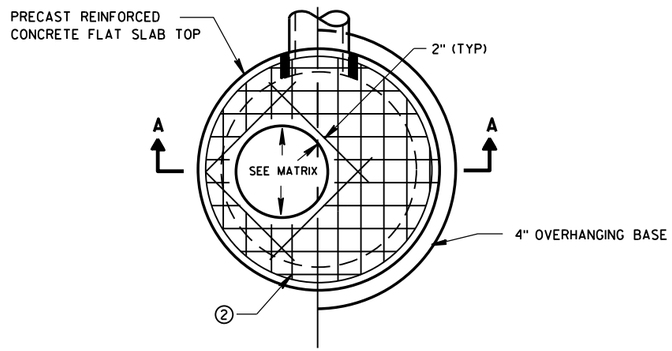
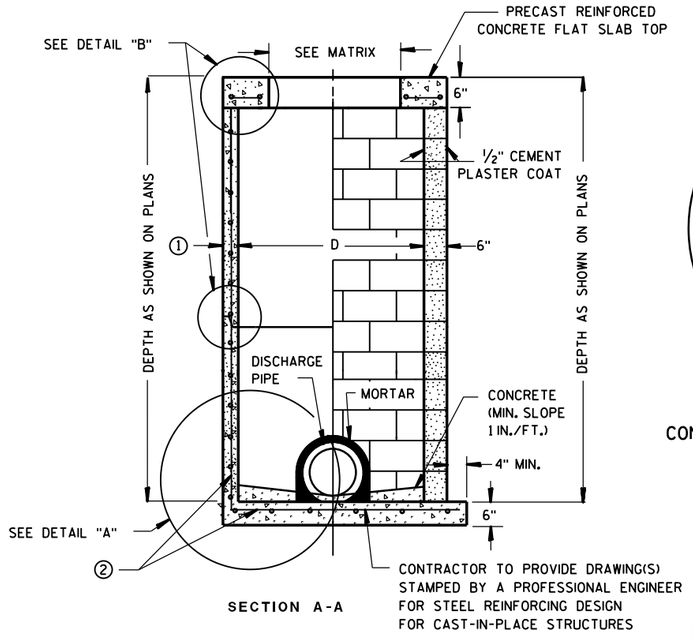


PLAN VIEW RECTANGULAR OPENING



PLAN VIEW CIRCULAR OPENING

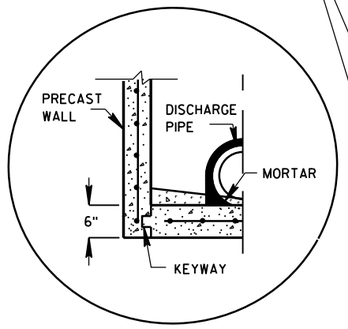


SECTION A-A

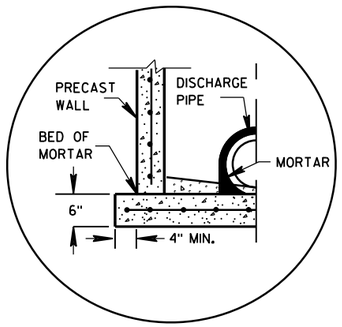
PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

CIRCULAR INLETS W/ FLAT TOP

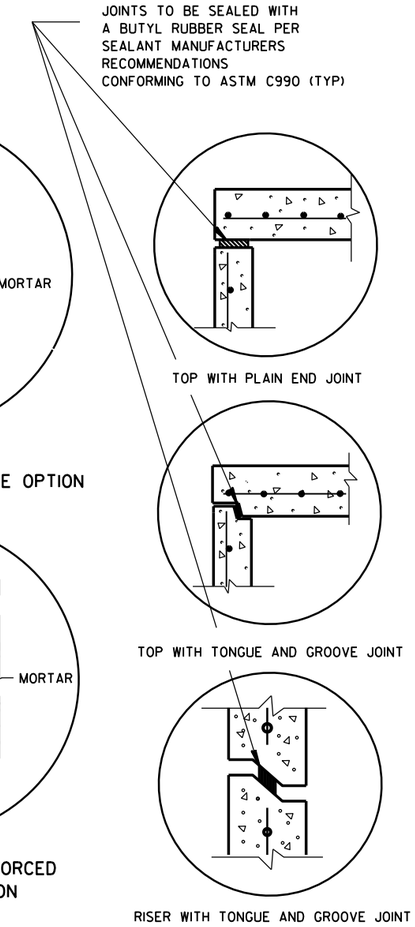


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



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

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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.

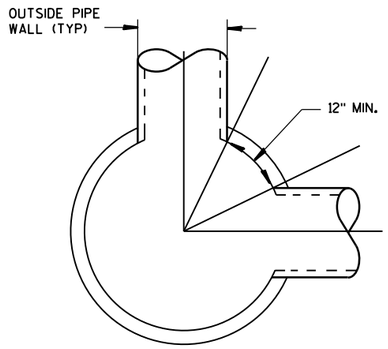
FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

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

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Sept., 2016 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS | UNIT SUPERVI ENT
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INLETS 3-FT AND 4-FT DIAMETER

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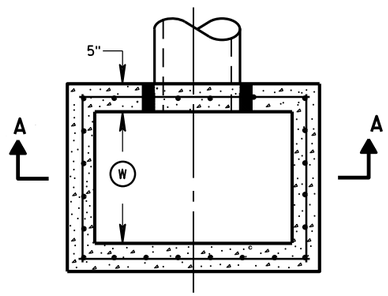
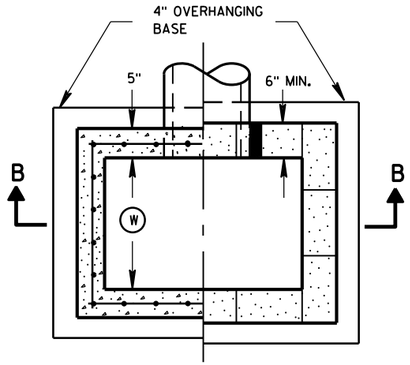
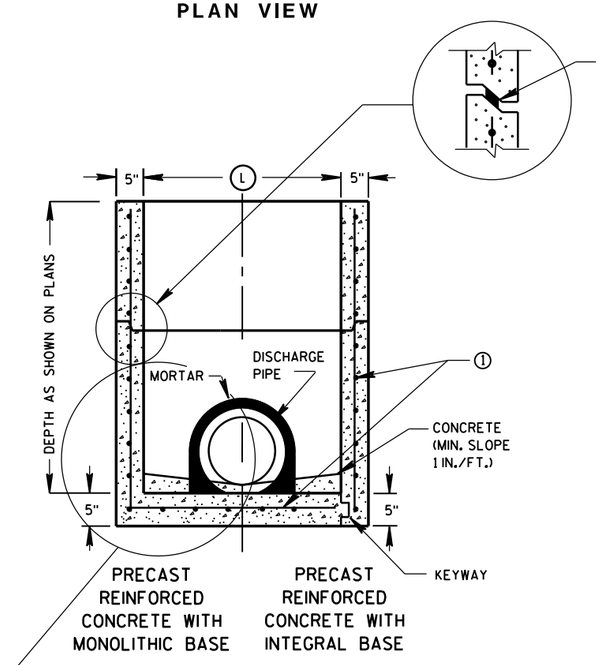


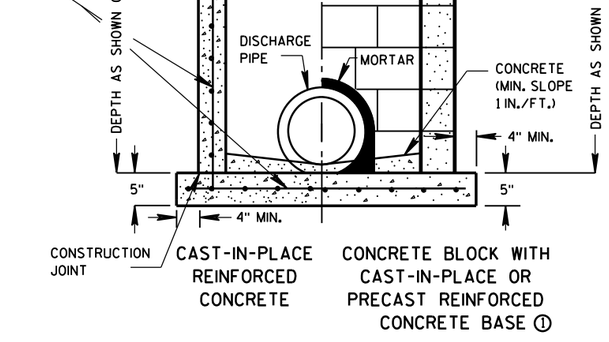
PLAN VIEW



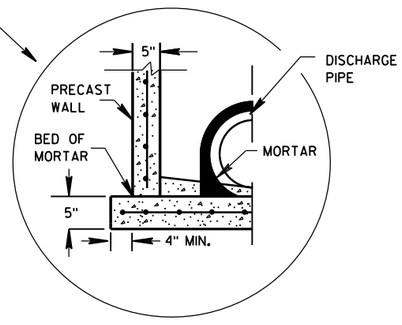
PLAN VIEW



SECTION A-A



SECTION B-B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

GENERAL NOTES

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MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3 INCH CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

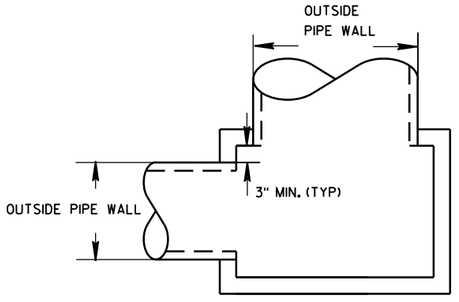
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

INLET COVER MATRIX

INLET SIZE		INLET COVER TYPE	ALL A'S	ALL B'S	BW	F	ALL H'S	S	T	V	WM
	WIDTH (W) (FT)	LENGTH (L) (FT)									
2X2-FT	2	2	X	X				X		X	
2X2.5-FT	2	2.5			X			X	X	X	X
2X3-FT	2	3					X				
2.5X3-FT	2.5	3				X					

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER	
	WIDTH (IN)	LENGTH (IN)
2X2-FT	12	12
2X2.5-FT	12	18
2X3-FT	12	24
2.5X3-FT	18	24



DETAIL "A"

INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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Sept., 2016
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS D IT
UNIT SUPERVIS
FHWA

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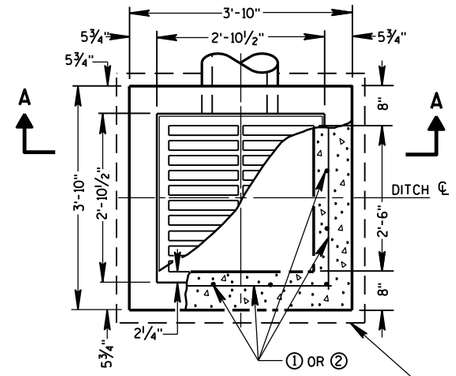
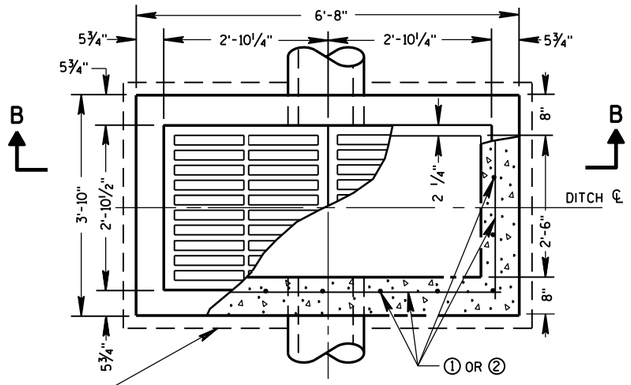
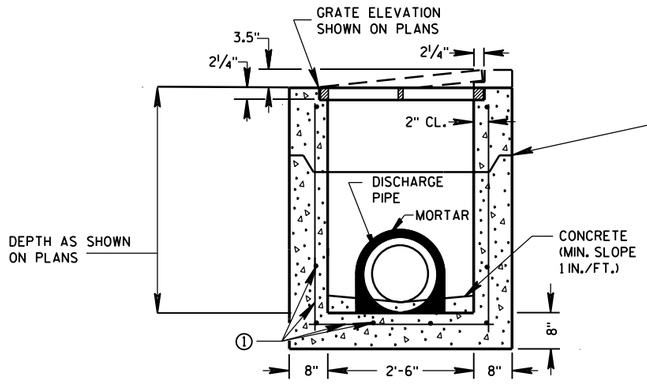


PLAN VIEW

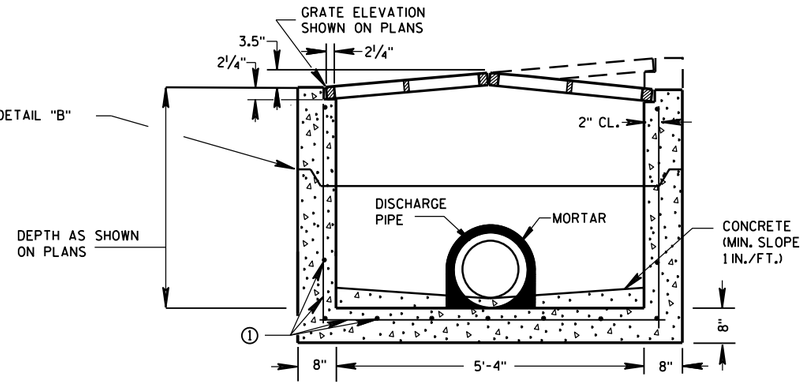


PLAN VIEW

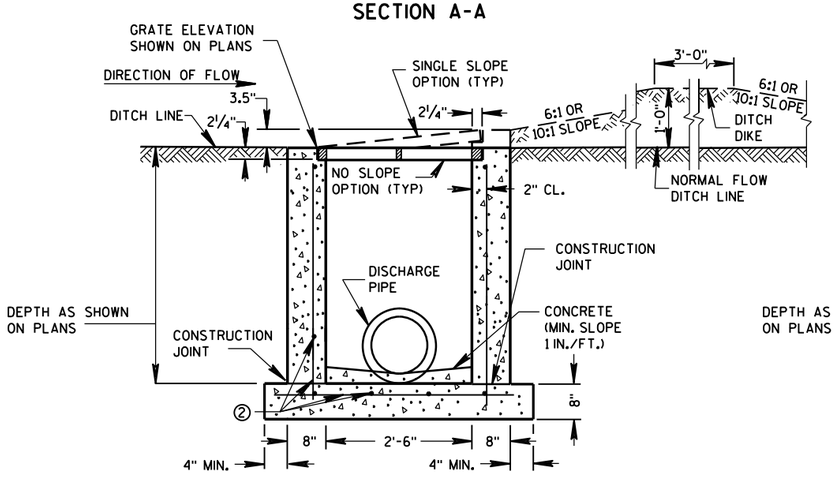
4" OVERHANGING BASE ON REINFORCED CAST-IN-PLACE CONCRETE INLETS



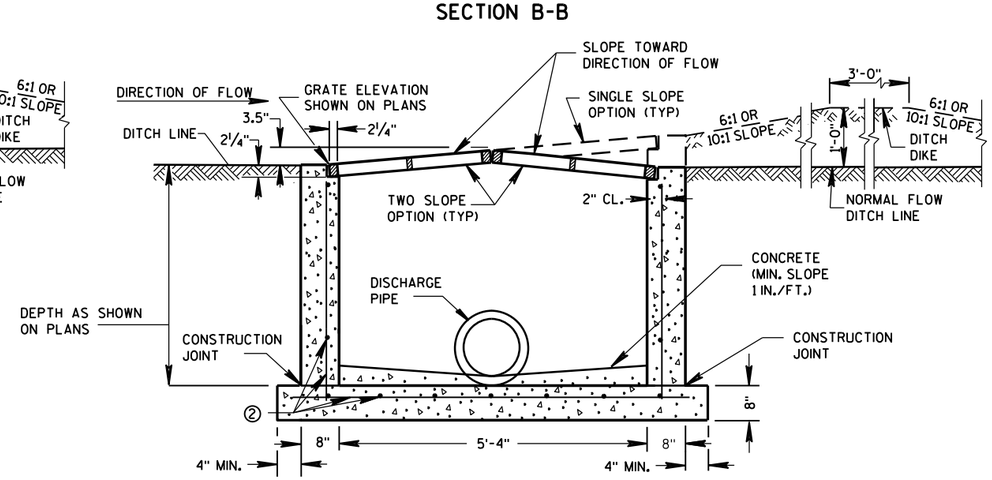
PRECAST REINFORCED CONCRETE SECTION A-A



PRECAST REINFORCED CONCRETE SECTION B-B



REINFORCED CAST-IN-PLACE CONCRETE SECTION A-A



REINFORCED CAST-IN-PLACE CONCRETE SECTION B-B

INLETS MEDIAN 1 GRATE

INLETS MEDIAN 2 GRATE

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLETS WHICH MAY INCLUDE PRECAST REINFORCED CONCRETE INLETS, SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL MEDIAN INLETS ARE DESIGNATED ON THE PLANS AS "INLETS, 1G-MS", ETC. THE FIRST NUMBER AND LETTER DESIGNATE THE TYPE OF STRUCTURE, AND THE FOLLOWING LETTERS DESIGNATE THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

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

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

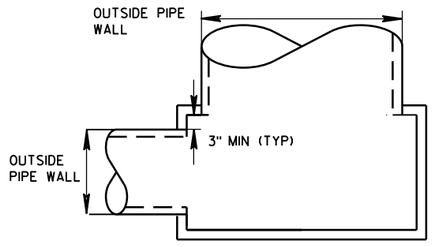
MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

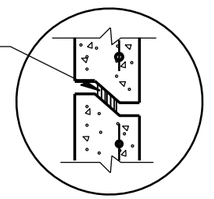
PIPE MATRIX

	MAXIMUM INSIDE PIPE DIAMETER	
INLET SIZE	WIDTH (IN)	LENGTH (IN)
1 GRATE	18	18
2 GRATE	18	42



DETAIL "A"

JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP)



DETAIL "B"

INLETS MEDIAN 1 AND 2 GRATE

STATE OF WISCONSIN
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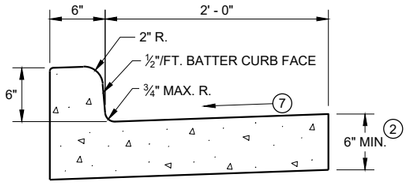
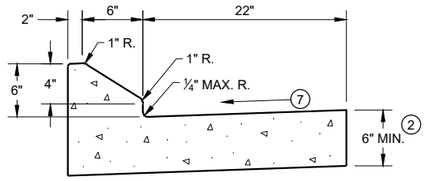
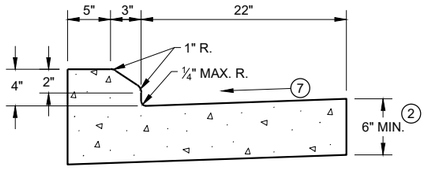


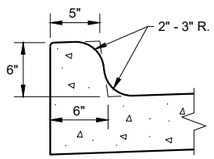
TYPES A[1] & D



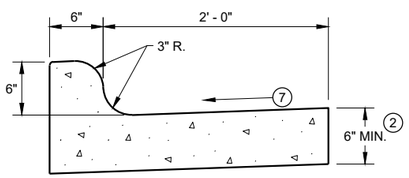
6" SLOPED CURB TYPES G[1] & J



4" SLOPED CURB TYPES G[1] & J

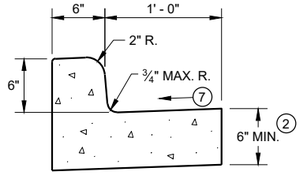


TYPES K[1] & L
(OPTIONAL CURB SHAPE)



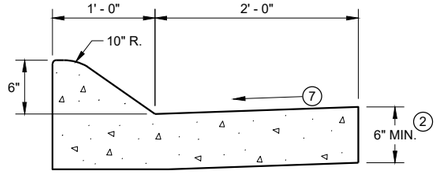
TYPES K[1] & L

CONCRETE CURB AND GUTTER 30"



TYPES A[1] & D

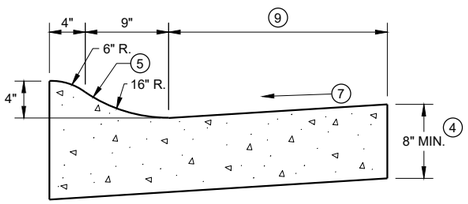
CONCRETE CURB AND GUTTER 18"



6" SLOPED CURB TYPES A[1] & D

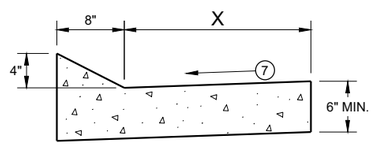
4" SLOPED CURB TYPES A[1] & D

CONCRETE CURB AND GUTTER 36"



4" SLOPED CURB TYPES R[1] & T

TBT & TBTT	X
30"	22"
36"	28"

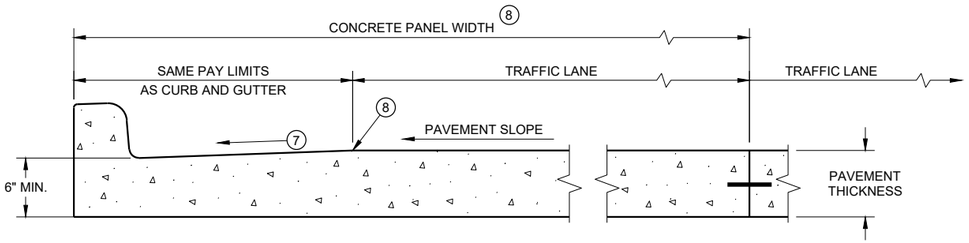


TYPES TBT & TBTT[1]

CONCRETE CURB AND GUTTER

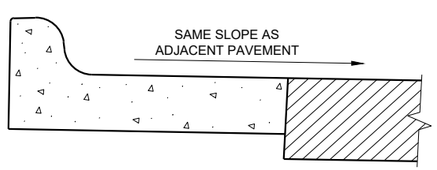
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

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.

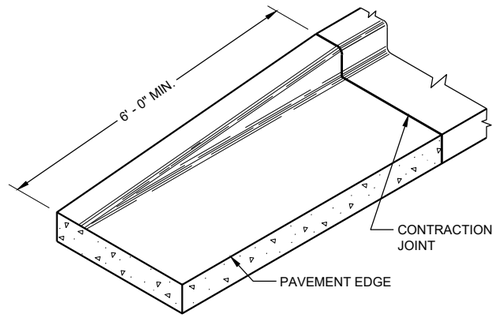
PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

INTEGRAL CURB AND GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB AND GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE.

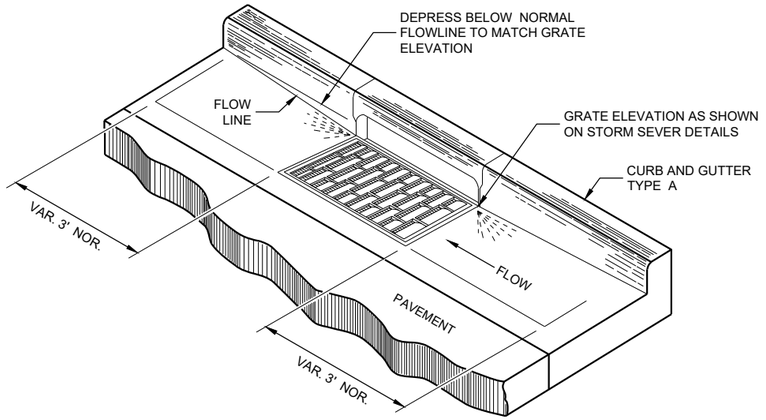
UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

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



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.

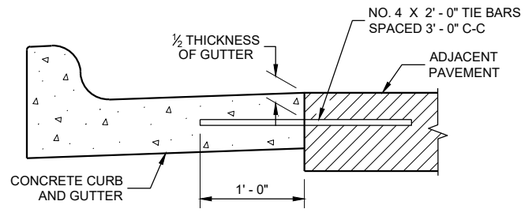
PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

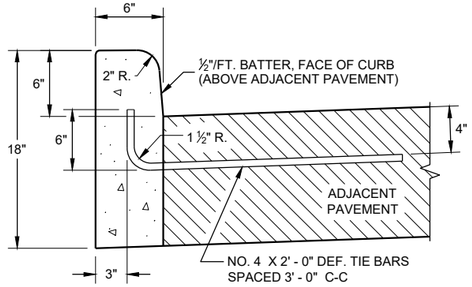
(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

(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.

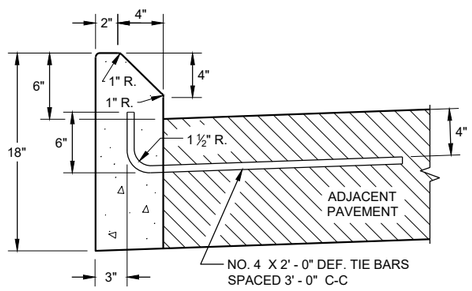
(9) REFER TO SDD 08D18 AND 08D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.



TYPICAL TIE BAR LOCATION (1)

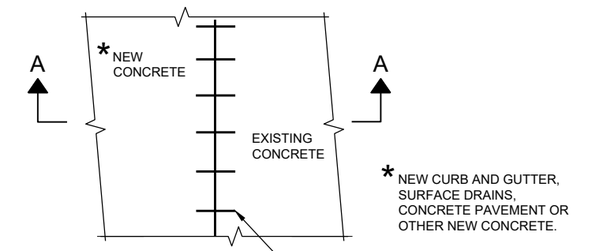


TYPES A (1) & D

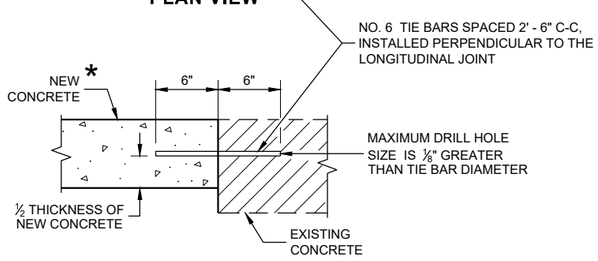


TYPES G (1) & J

CONCRETE CURB

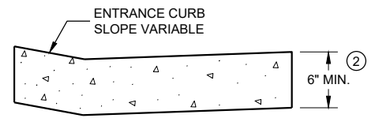


PLAN VIEW



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

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SDD08D01 - 22b

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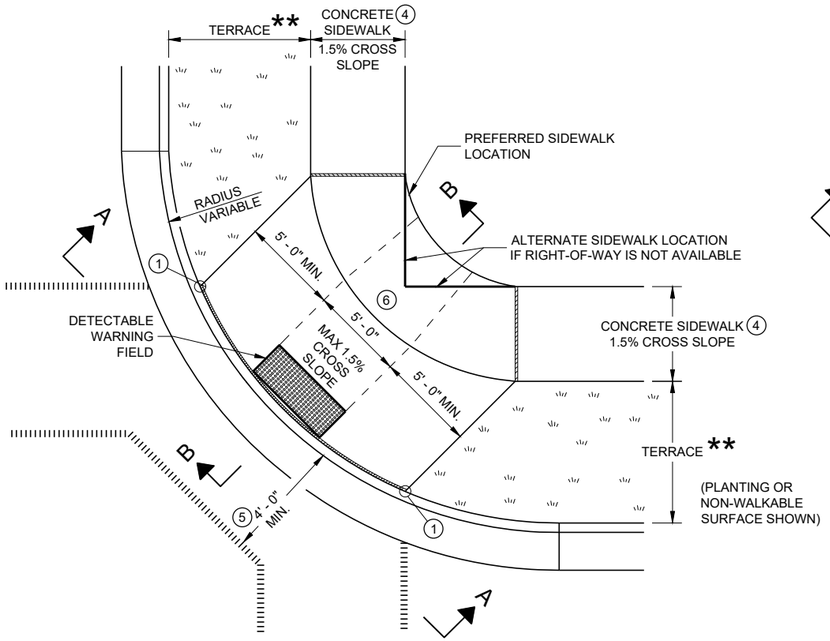
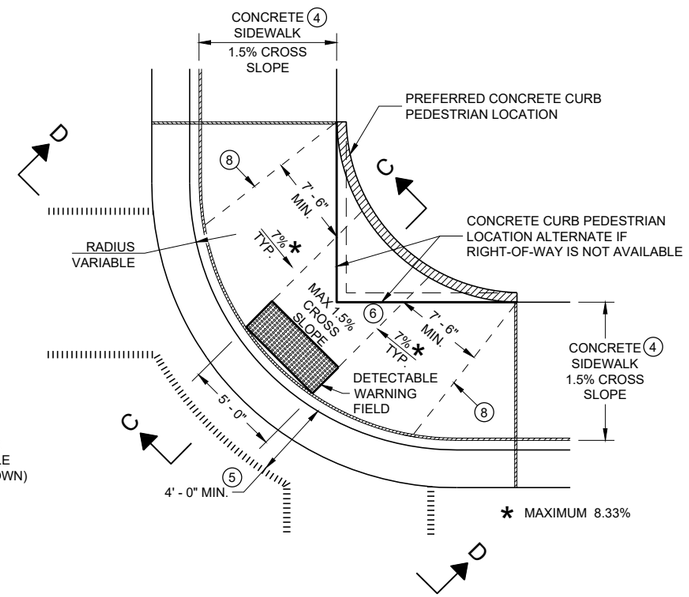
SDD08D01 - 22b



PLAN VIEW

CURB RAMP TYPE 1

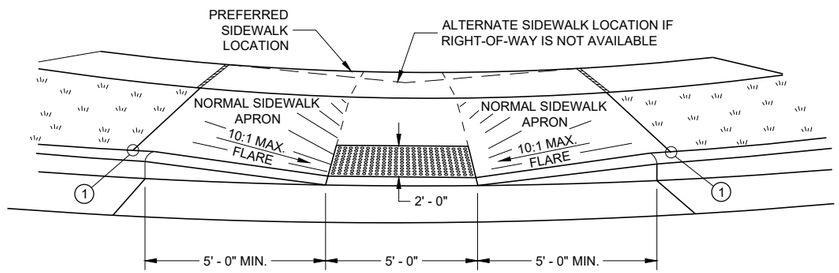
(CENTER OF CORNER RADIUS)



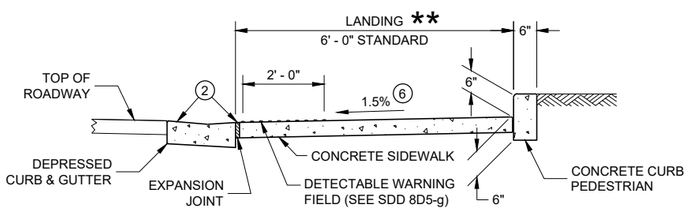
PLAN VIEW

CURB RAMP TYPE 1 - A

(NO TERRACE)

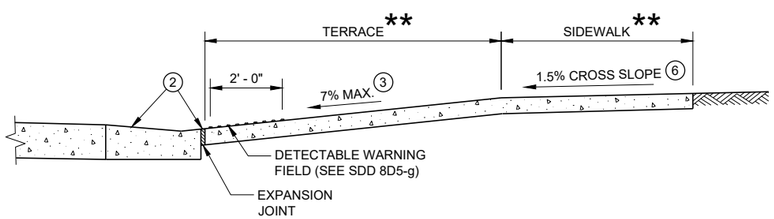


VIEW A - A FOR TYPE 1

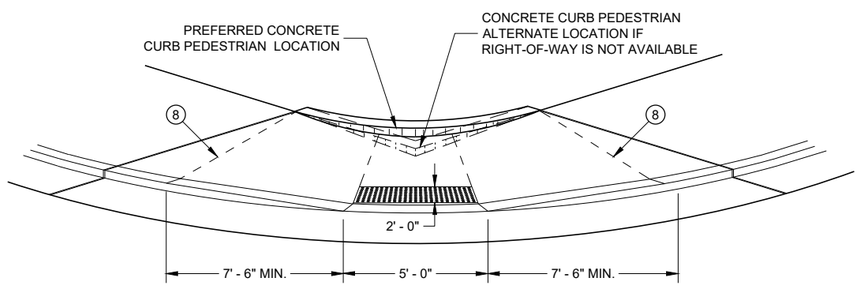


SECTION C - C FOR TYPE 1 - A

** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION B - B FOR TYPE 1



VIEW D - D FOR TYPE 1 - A

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

WHEN NECESSARY, THE SIDEWALK ELEVATION MAY BE LOWERED TO MEET THE HIGH POINT ON THE RAMP.

TYPE 1 CURB RAMPS SHALL HAVE A NORMAL SIDEWALK APRON AND CURB ON BOTH SIDES OF RAMP.

DETECTABLE WARNING FILED SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS "CURB RAMP DETECTABLE WARNING FIELD". THE CONCRETE PEDESTRIAN CURB, IF NEEDED, SHALL BE MEASURED AND PAID BY THE LINEAR FOOT AS "CONCRETE CURB PEDESTRIAN". CONCRETE SIDEWALK IN THE CURB RAMP AREA SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS CONCRETE SIDEWALK, INCLUDING THE AREA UNDER THE DETECTABLE WARNING FIELD.

SELECT CURB RAMP DETECTABLE WARNING FIELD MATERIALS AND DEVICES FROM THE DEPARTMENT'S APPROVED MATERIALS LIST. THE COLOR OF THE DETECTABLE WARNING FIELD IS SPECIFIED ELSEWHERE AND IS INCIDENTAL TO THE BID ITEM OF "CURB RAMP DETECTABLE WARNING FIELD"

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

SURFACE TEXTURE OF THE RAMP SHALL BE OBTAINED BY COARSE BROOMING TRANSVERSE TO THE SLOPE OF THE RAMP.

(1) THIS POINT IS AN EXTENSION OF OUTSIDE EDGE OF APPROACHING SIDEWALK WHERE IT MEETS THE BACK OF CONCRETE CURB. POINT LOCATION MAY BE ADJUSTED TO ALIGN WITH BEGINNING OF FULL-HEIGHT CURB IF THIS DISTANCE IS SHORT.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) MAXIMUM 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(5) PROVIDE A LEVEL LANDING IN THE STREET AND GUTTER AREA (2% MAXIMUM SLOPE IN ANY DIRECTION). WHEN THE GUTTER SLOPE EXCEEDS 2%, CONSTRUCT THE LEVEL LANDING IN THE STREET AREA.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

LEGEND

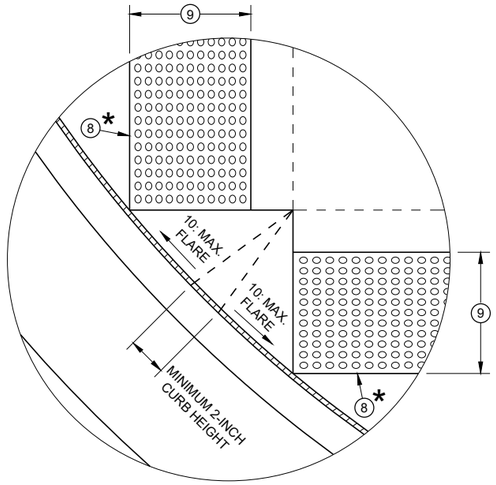
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS
TYPE 1 AND 1-A

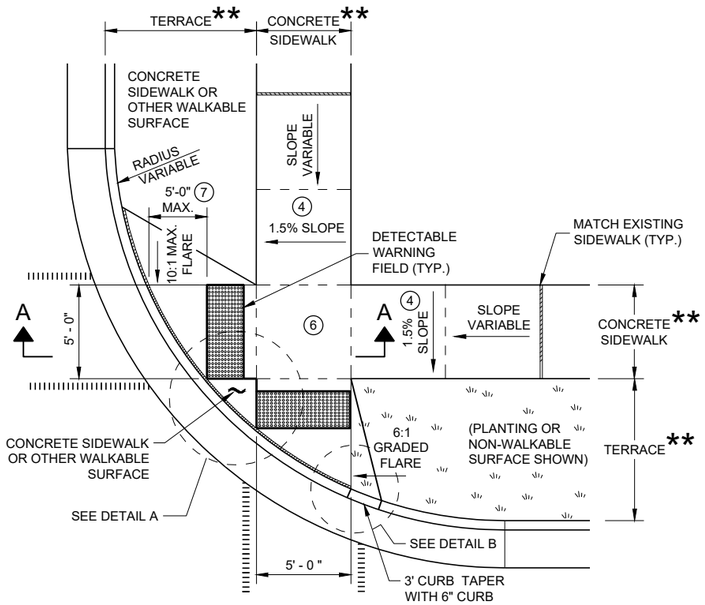
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D05 - 20a



DETAIL A



PLAN VIEW
CURB RAMP TYPE 2
(CENTER OF CORNER RADIUS)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE (2.67% OR LESS) AND NOT TO EXCEED 11% GRADE CHANGE.

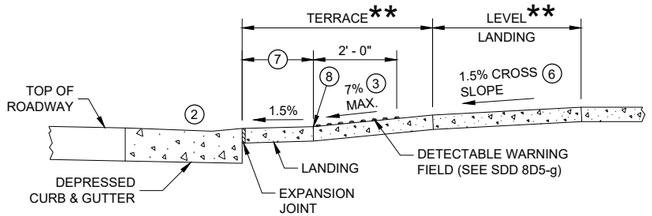
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET X 5 FEET.

(7) WHEN GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

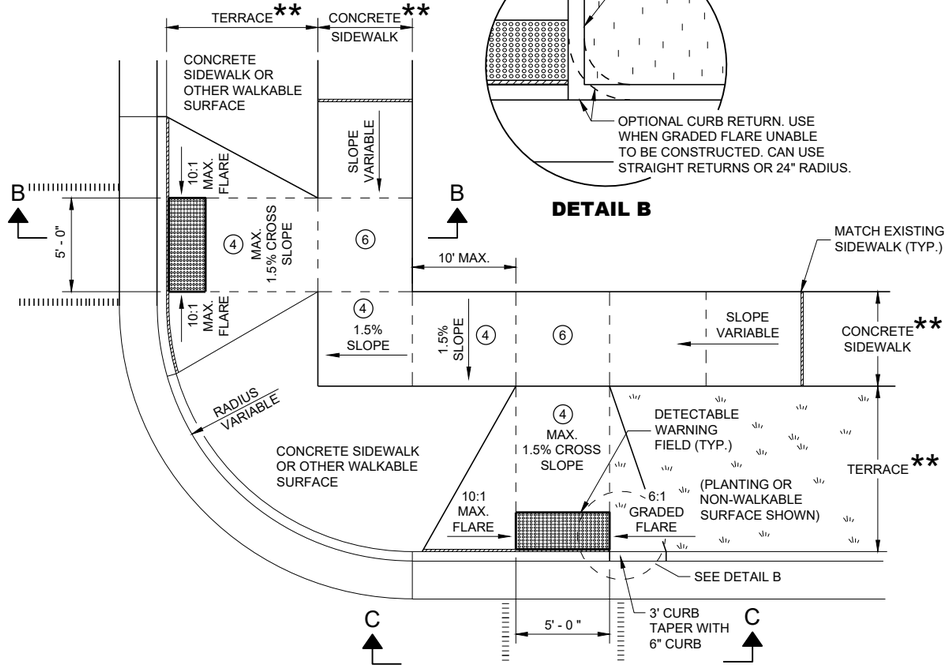
(9) WHEN DISTANCE IS LESS THAN 6' - 0", IT MAY BE DIFFICULT TO ACHIEVE A 7% SLOPE OR FLATTER ALONG THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 7% SLOPE OR FLATTER ON RAMP. CONSTRUCT 2-INCH MINIMUM CURB HEIGHT BETWEEN 10:1 FLARES.



SECTION A - A FOR TYPE 2

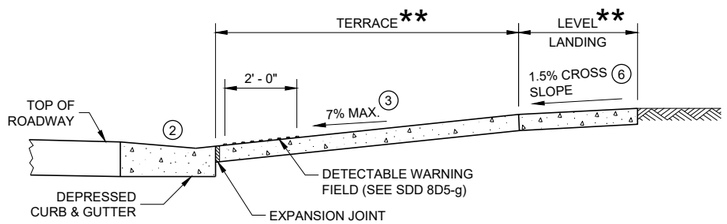
* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS



DETAIL B

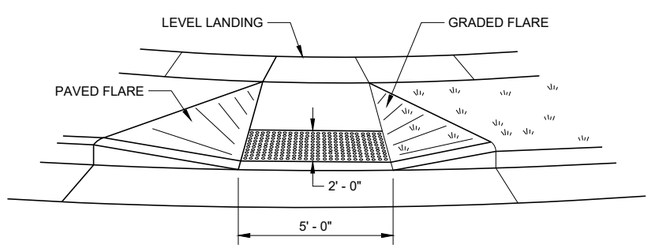
PLAN VIEW
CURB RAMP TYPE 3
(OUTSIDE OF CROSSWALK AREA)



SECTION B - B FOR TYPE 3

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)



VIEW C - C FOR TYPE 3

CURB RAMPS TYPE 2 AND 3

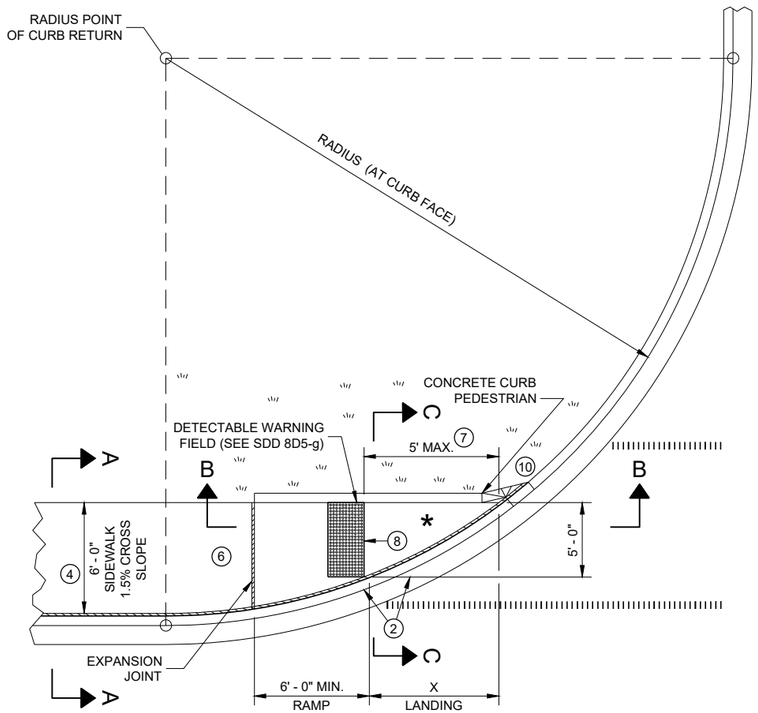
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D05 - 20b

6

SDD 08D05 - 20b

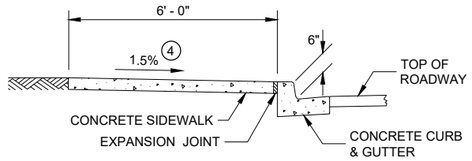


PLAN VIEW

CURB RAMP TYPE 4A

RADIUS (AT CURB FACE)	X
10 FEET	4' - 7"
15 FEET	6' - 5½"

INTERMEDIATE RADII CAN BE INTERPOLATED



SECTION A - A FOR TYPE 4A

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

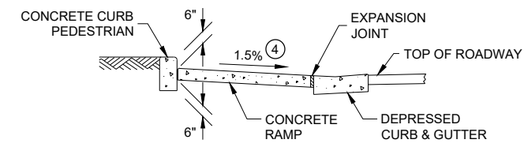
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

LEGEND

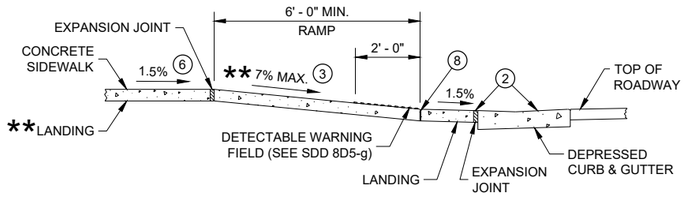
½" EXPANSION JOINT SIDEWALK

CONTRACTION JOINT SIDEWALK

PAVEMENT MARKING CROSSWALK (WHITE)



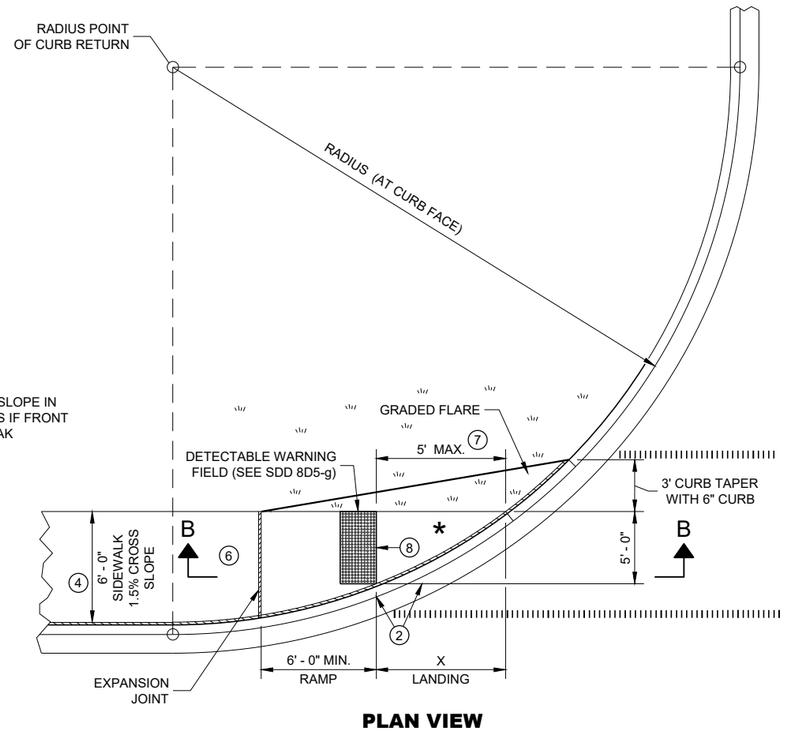
SECTION C - C FOR TYPE 4A



** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

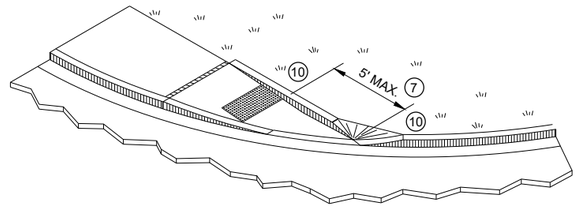
SECTION B - B FOR TYPE 4A AND TYPE 4A1

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

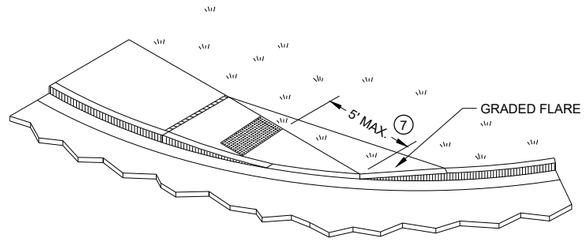


PLAN VIEW

CURB RAMP TYPE 4A1



ISOMETRIC VIEW FOR TYPE 4A



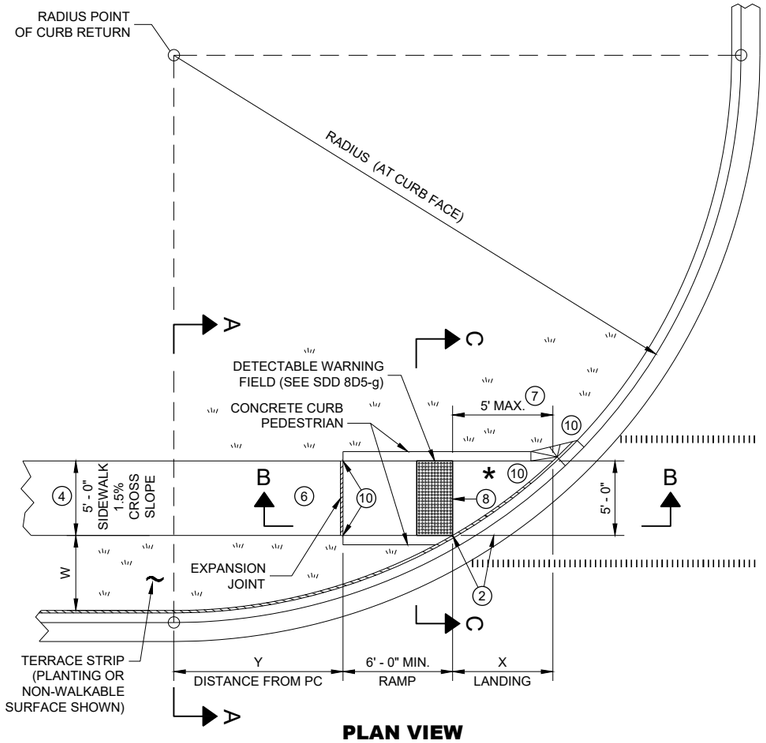
ISOMETRIC VIEW FOR TYPE 4A1

CURB RAMPS
TYPE 4A AND 4A1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D05 - 20c



PLAN VIEW

CURB RAMP TYPE 4B

RADIUS (AT CURB FACE)	W = 3' - 0"		W = 4' - 0"		W = 5' - 0"		W = 6' - 0"		W = 7' - 0"		W = 8' - 0"		W = 9' - 0"		W = 10' - 0"	
	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
10 FEET	2' - 10 ¼"	0' - 5"	2' - 1"	1' - 4 ½"	1' - 5"	2' - 1"	0' - 10"	2' - 7 ½"	0' - 3 ¼"	3' - 0 ¼"						
15 FEET	4' - 6 ¾"	2' - 1 ¾"	3' - 9"	3' - 5 ¾"	3' - 1 ¼"	4' - 6"	2' - 6 ¾"	5' - 4 ½"	2' - 1"	6' - 1"	1' - 8"	6' - 8 ½"	1' - 3 ¼"	7' - 2 ½"	0' - 10 ¾"	7' - 7 ¼"
20 FEET	5' - 9 ¾"	3' - 6 ½"	4' - 11 ½"	5' - 1 ¾"	4' - 3 ¼"	6' - 5 ½"	3' - 8 ¾"	7' - 7"	3' - 3"	8' - 6 ½"	2' - 10"	9' - 4 ½"	2' - 5 ½"	10' - 1 ¼"	2' - 1 ¼"	10' - 9"
30 FEET			6' - 9 ¼"	7' - 11 ¼"	6' - 0 ¼"	9' - 8"	5' - 5"	11' - 1 ¾"	4' - 10 ¾"	12' - 5 ¾"	4' - 5 ½"	13' - 7 ¾"	4' - 0 ¾"	14' - 8 ½"	3' - 8 ½"	15' - 8 ¼"
40 FEET									6' - 1 ¾"	15' - 8 ½"	5' - 8"	17' - 2"	5' - 3"	18' - 5 ¾"	4' - 10 ¾"	19' - 8 ¼"
50 FEET															5' - 10 ¼"	23' - 2"

INTERMEDIATE RADII CAN BE INTERPOLATED
DIMENSION "Y" IS CALCULATED BASED ON 6'-0" RAMP LENGTH
DIMENSION "X" IS CALCULATED BASED ON 5'-0" SIDEWALK WIDTH

SECTION C - C FOR TYPE 4B

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

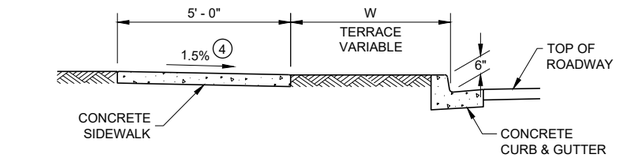
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

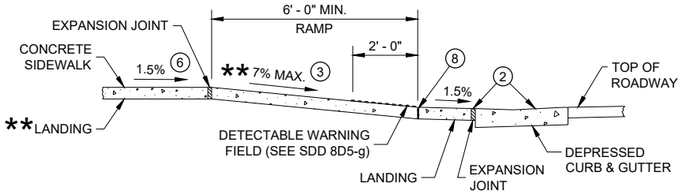
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



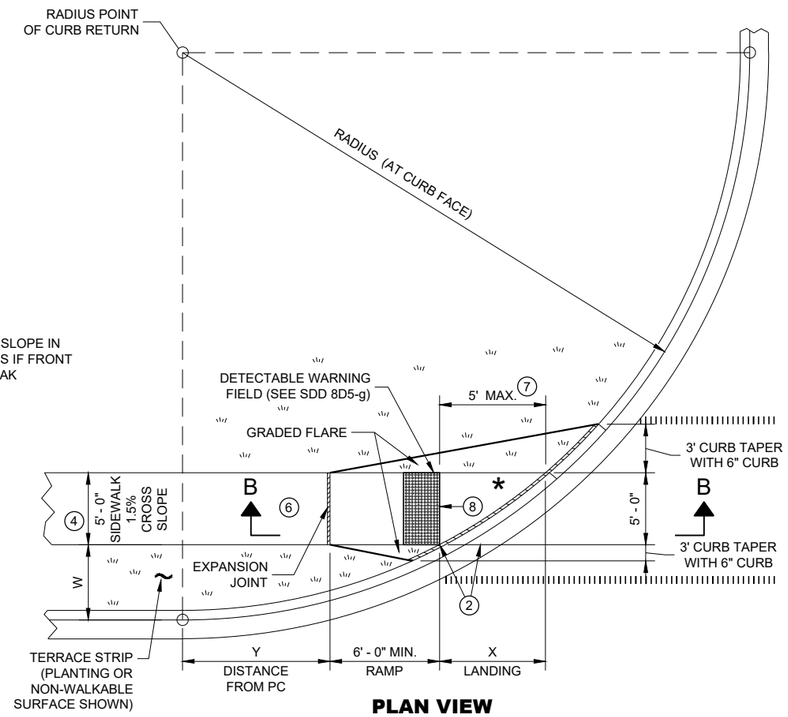
SECTION A - A FOR TYPE 4B



SECTION B - B FOR TYPE 4B AND TYPE 4B1

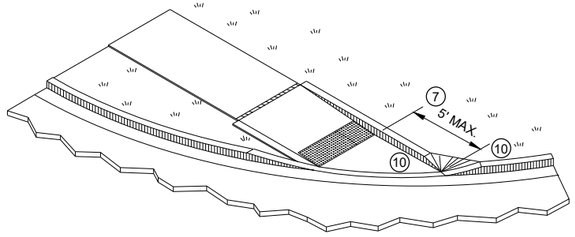
** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

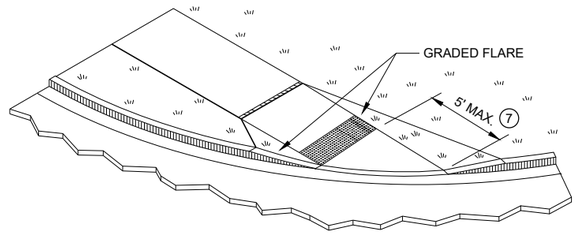


PLAN VIEW

CURB RAMP TYPE 4B1



ISOMETRIC VIEW FOR TYPE 4B



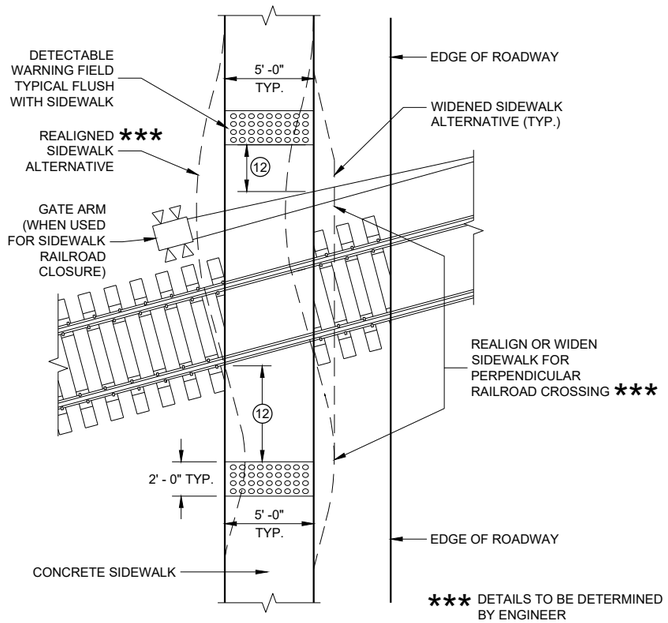
ISOMETRIC VIEW FOR TYPE 4B1

CURB RAMPS TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

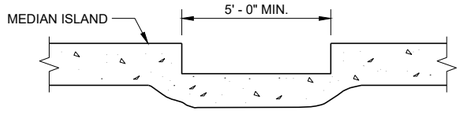
6

SDD 08D05 - 20d

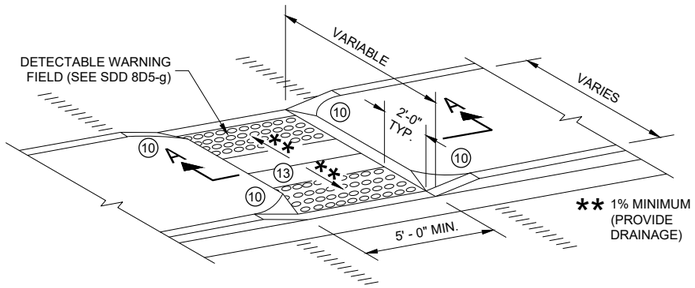


CURB RAMP TYPE 8

DETECTABLE WARNINGS AT RAILROAD CROSSING



SECTION A - A FOR TYPE 5



CURB RAMP TYPE 5

MEDIAN ISLAND NON-ELEVATED PEDESTRIAN CROSSING

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ½ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

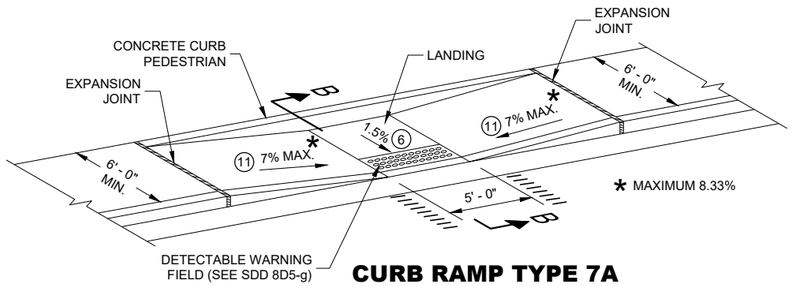
(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

(12) THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO A RAILROAD CROSSING SHALL BE 1.5 FEET ±0.1' FROM THE FACE OF THE GATE ARM IF THE GATE ARM EXTENDS ACROSS THE SIDEWALK. WHERE THERE IS NO PEDESTRIAN GATE, THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO THE RAILROAD CROSSING SHALL BE 15 FEET FROM THE NEAREST RAIL.

(13) DO NOT INSTALL DETECTABLE WARNING FIELDS AT THE EDGES OF STEET-LEVEL PEDESTRIAN REFUGE ISLANDS IF A MINIMUM 2 FOOT CONCRETE SURFACE WITHOUT DETECTABLE WARNINGS (MEASURED IN THE DIRECTION OF PEDESTRIAN TRAVEL) CANNOT BE ACHIEVED.

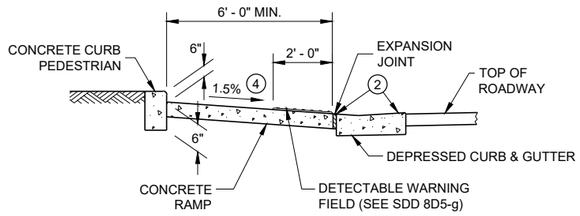
LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

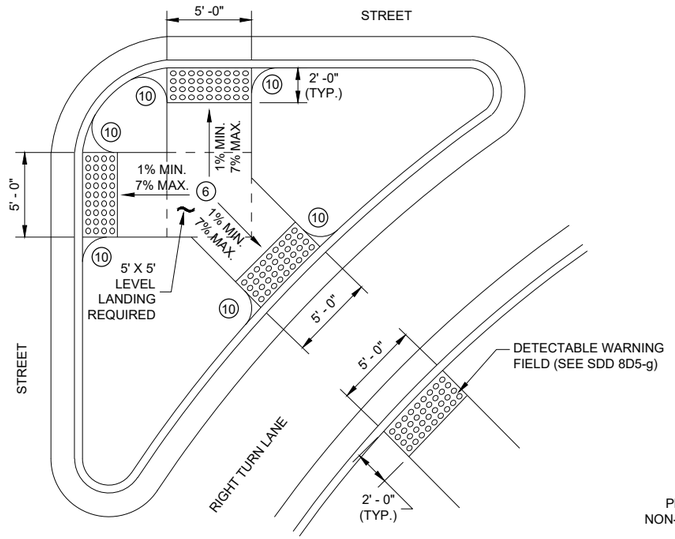


CURB RAMP TYPE 7A

MID BLOCK CROSSING



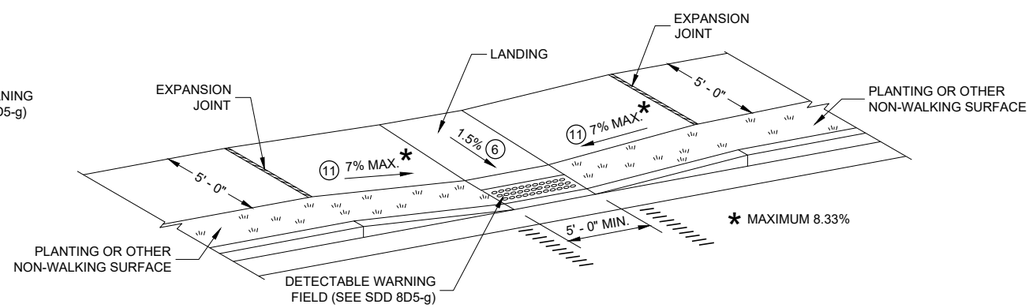
SECTION B - B FOR TYPE 7A



CURB RAMP TYPE 6

DETECTABLE WARNING AT ISLANDS

REFER TO GENERAL NOTES (2) AND (3) FOR ALL ISLAND CURB RAMPS



CURB RAMP TYPE 7B

MID BLOCK CROSSING

NOTE: THESE PARALLEL AND PARALLEL/PERPENDICULAR CURB RAMPS MAY BE USED AT INTERSECTIONS AND MID BLOCK LOCATIONS.

CURB RAMPS TYPE 5, 6, 7A, 7B & 8

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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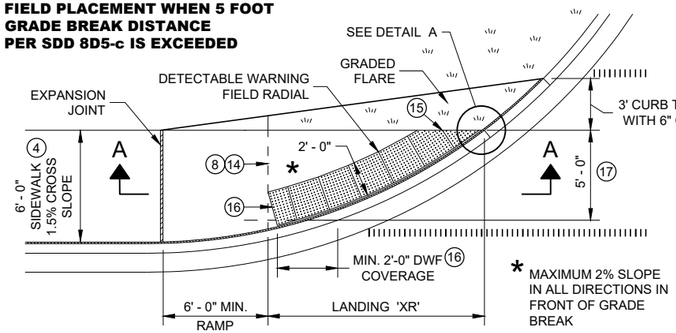
SDD 08D05 - 20e

6

SDD 08D05 - 20e

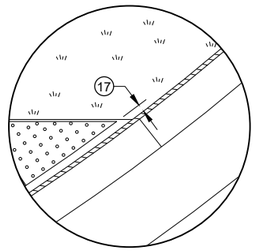
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-c IS EXCEEDED



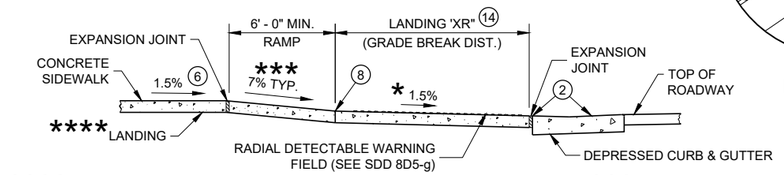
PLAN VIEW

CURB RAMP TYPE 4A1

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



DETAIL A

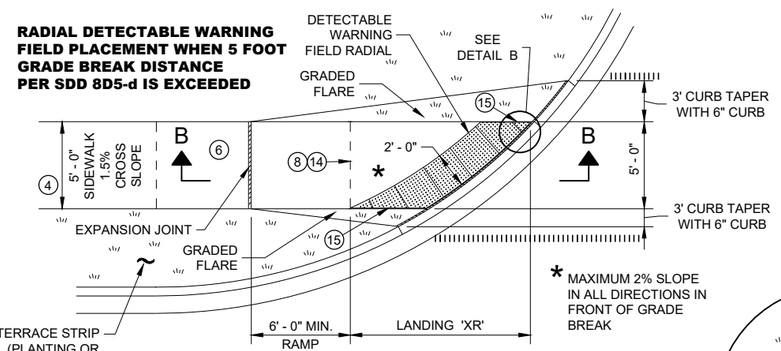


**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** MAXIMUM 8.33%

SECTION A - A FOR TYPE 4A1

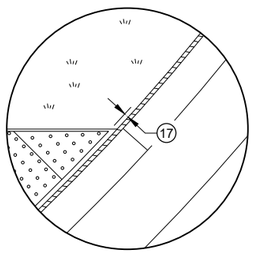
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-d IS EXCEEDED



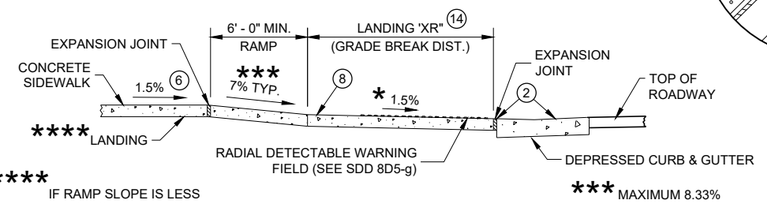
PLAN VIEW

CURB RAMP TYPE 4B1

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



DETAIL B



**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** MAXIMUM 8.33%

SECTION B - B FOR TYPE 4B1

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

APPLY RADIAL DETECTABLE WARNING PLACEMENT SIMILARLY FOR TYPE 4A AND 4A1 CURB RAMPS AND SIMILARLY FOR TYPE 4B AND 4B1 CURB RAMPS. TYPE 4A AND 4B CURB RAMPS ARE NOT SHOWN.

REFER TO SDD 8D5-g FOR ADDITIONAL RADIAL PLATE REQUIREMENTS.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FILED ARE PROHIBITED.

DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AD ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET BY 5 FEET.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

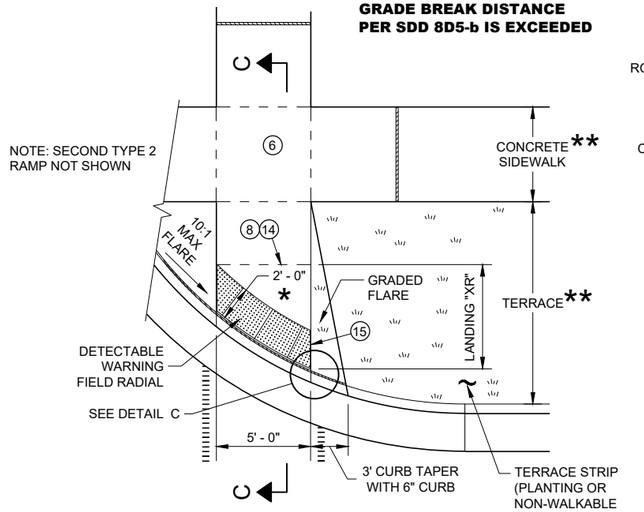
(14) CONSULT ENGINEER IF GRADE BREAK LOCATION (END OF LANDING DIMENSION "XR") REQUIRES FIELD ADJUSTMENT WHEN ESTABLISHING FINAL RADIAL DETECTABLE WARNING FIELD LOCATION.

(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN ⅛" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

(16) USE 1' X 2" RECTANGULAR END PLATE AT END OF TYPE 4A1 RAMP AND PROVIDE MINIMUM 2' - 0" DETECTABLE WARNING FIELD COVERAGE (IN DIRECTION OF PEDESTRIAN TRAVEL) ALONG THE ENTIRE CURB RAMP WIDTH.

(17) A MAXIMUM 3 INCH CONCRETE BORDER WITH IS ALLOWABLE IN FROM OF RADIAL DETECTABLE WARNING FIELD FOR CONSTRUCTABILITY PURPOSES. CONCRETE BORDER WIDTH MAY VARY UP TO 1 INCH.

RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-b IS EXCEEDED

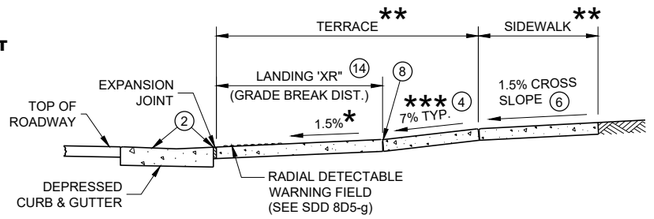


PLAN VIEW

CURB RAMP TYPE 2

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)

(ON LINE WITH SIDEWALK)

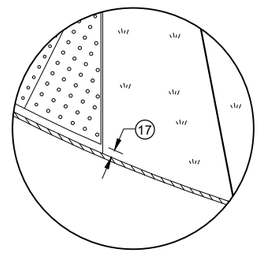


SECTION C - C FOR TYPE 2

* MAXIMUM 2% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS

*** MAXIMUM 8.33%



DETAIL C

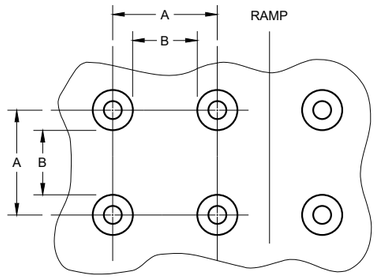
CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

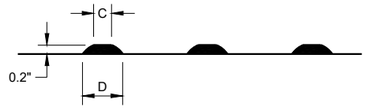
SDD 08D05 - 20f

	MIN.	MAX.
A	1.6"	2.4"
B	0.65"	1.5"
C	*	*
D	0.9"	1.4"

* THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.

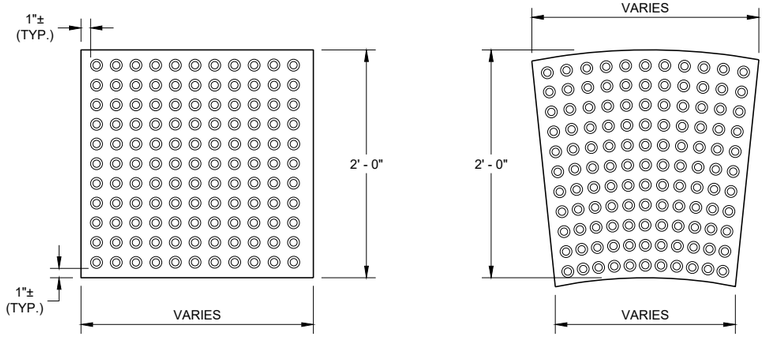


PLAN VIEW



ELEVATION VIEW

TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL



RECTANGULAR PLATES

RADIAL PLATES

PLAN VIEW
DETECTABLE WARNING FIELDS (TYPICAL)

GENERAL NOTES

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AT A CURB RAMP SHALL BE FROM THE SAME MANUFACTURER.

PLACE ALL DETECTABLE WARNING FIELD SYSTEMS IN ACCORDANCE TO THE MANUFACTURER'S RECOMMENDATION.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FILED ARE PROHIBITED.

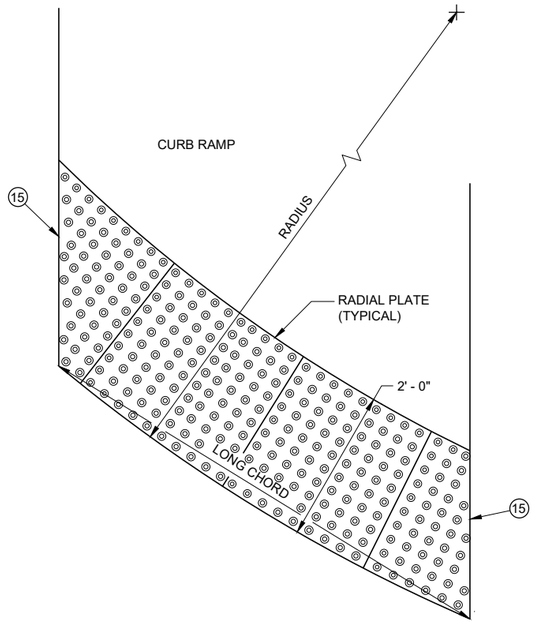
DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

FOR RADIAL DETECTABLE WARNING FIELD APPLICATIONS WHERE STANDARD RADIAL PLATES ARE NOT AVAILABLE AT AN INTERSECTION CURB RADIUS, A COMBINATION OF SQUARE OR RECTANGULAR PLATES AND RADIAL PLATES MAY BE USED TO FORM RADIAL CONFIGURATION. RADIAL WEDGE PLATES IN COMBINATION WITH SQUARE PLATES ARE ALSO ACCEPTABLE. FOLLOW MANUFACTURER'S RECOMMENDATIONS.

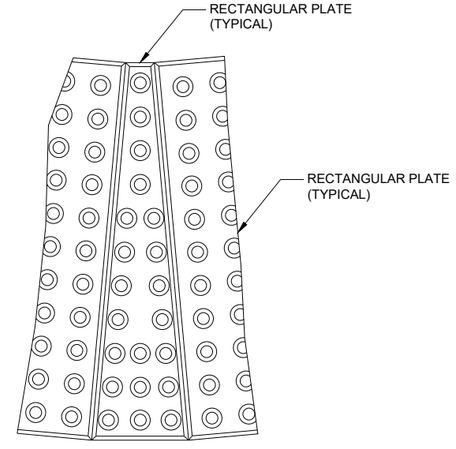
REFER TO CONTRACT AND STANDARD SPECIFICATIONS FOR FIELD CUTTING REQUIREMENTS.

DO NOT EMBED IN CONCRETE ANY FIELD-CUT PLATES WITH CUT EDGES SHORTER THAN 6 INCHES. CONSULT WITH MANUFACTURER FOR RE-DRILLING AND ANCHORING REQUIREMENTS OF FIELD-CUT PLATES.

(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN ⅛" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.



PLAN VIEW
RADIAL DETECTABLE WARNING FIELD ATTRIBUTES



PLAN VIEW
RADIAL WEDGE PLATE CONNECTION DETAIL

CURB RAMPS
RECTANGULAR AND RADIAL
DETECTABLE WARNING PLATES

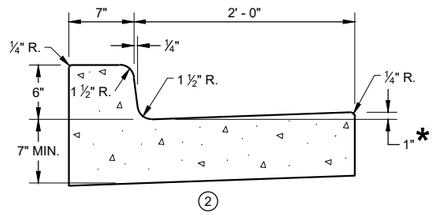
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE
UNIT SUPERVISOR

FHWA

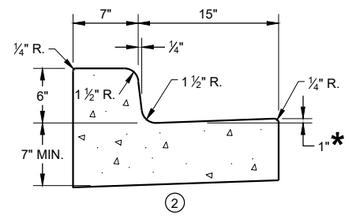
6

SDD 08D05 - 20g

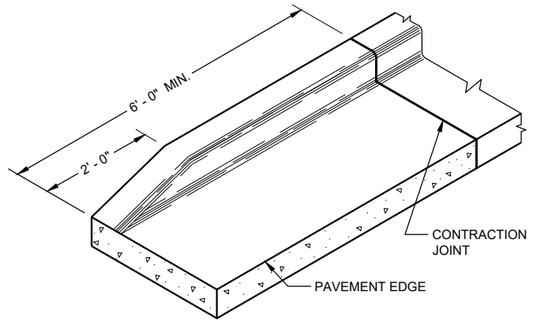


CONCRETE CURB AND GUTTER 31" ①

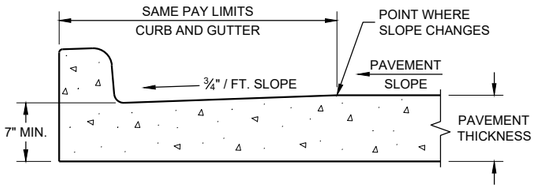
*TO BE MEASURED TO A MAXIMUM OF 3" WHERE DRAINAGE PROBLEMS EXIST.



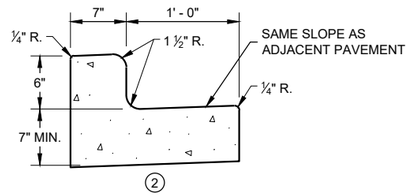
CONCRETE CURB AND GUTTER 22" ①



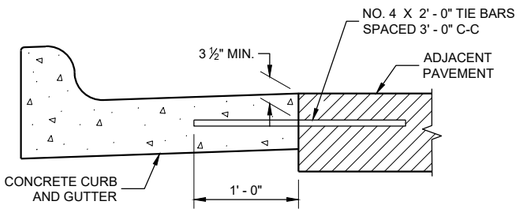
END SECTIONCURB AND GUTTER



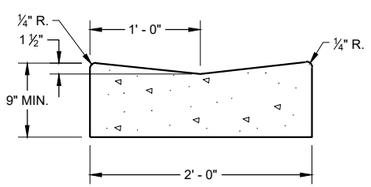
PARTIAL SECTION OF PAVEMENT WITH INTEGRAL CURB AND GUTTER



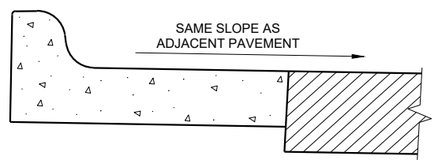
CONCRETE CURB AND GUTTER 19" ①



TYPICAL TIE BAR LOCATION ①



CONCRETE GUTTER 24" ①



HIGH SIDE SECTION ③

(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.

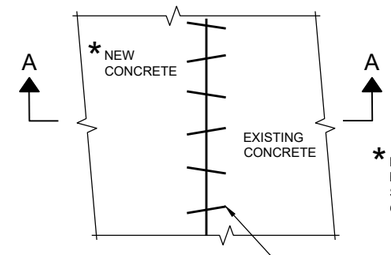
INTEGRAL CURB AND GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB AND GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE. A LONGITUDINAL CONSTRUCTION JOINT IS NOT REQUIRED WITH INTEGRAL CURB AND GUTTER.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE COURSE AND UNCLASSIFIED EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

① WHEN PLACED ADJACENT TO NEW CONCRETE, TIE BARS ARE REQUITED FOR CURB AND GUTTER 31", 22", 19" AND CONCRETE GUTTER 24".

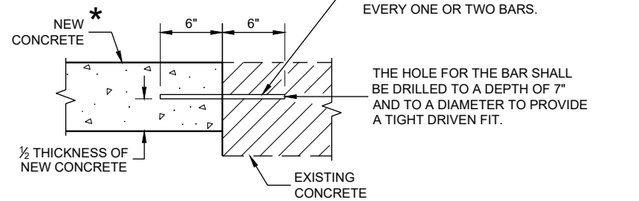
② THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE COURSE PROVIDED A 7" MINIMUM GUTTER THICKNESS IS MAINTAINED.

③ WHEN HIGH SIDE CURB SECTION IS REQUIRED, THE LOCATION(S) WILL BE NOTED ON THE PLANS



PLAN VIEW

*EXISTING AND NEW CONCRETE MAY BE CURB AND GUTTER, SURFACE DRAINS, PAVEMENT OR OTHER CONCRETE STRUCTURE.



SECTION A - A

PAVEMENT TIES

CONCRETE GUTTER, CURB AND GUTTER AND PAVEMENT TIES

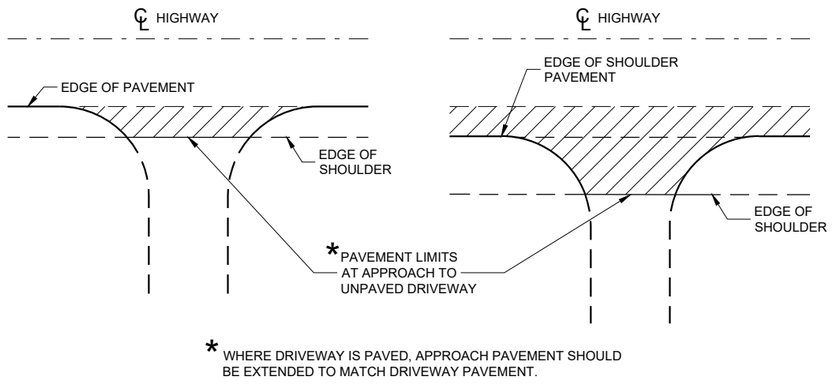
(For Optional use in Milwaukee Co. Only)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER
FHWA

6

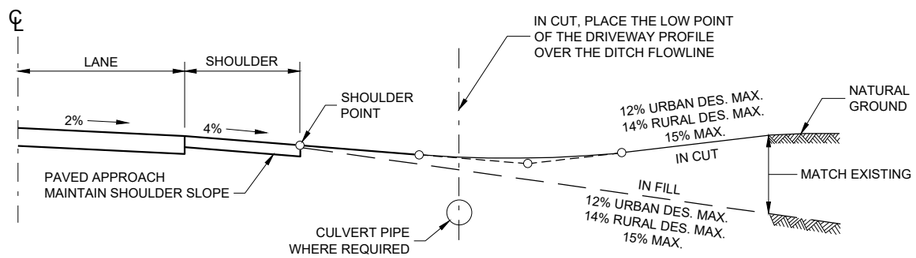
SDD 08D16 - 11



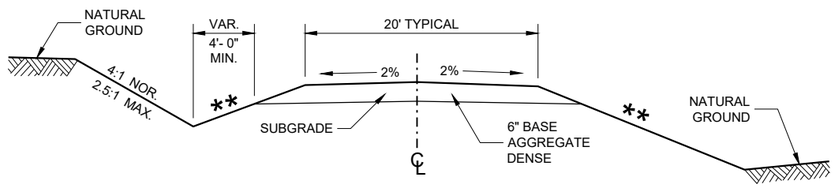
PLAN VIEW
(UNPAVED SHOULDER ON HIGHWAY)

PLAN VIEW
(PAVED SHOULDER ON HIGHWAY)

RURAL DRIVEWAY INTERSECTION DETAIL
(NO CURB AND GUTTER OR SIDEWALK)



TYPICAL DRIVEWAY PROFILES

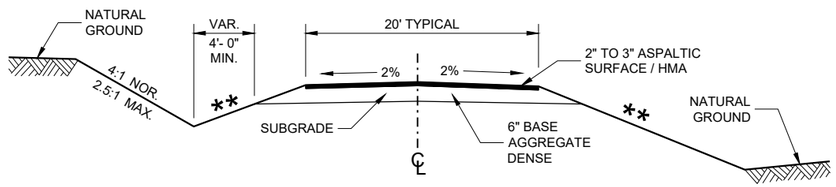


IN CUT **IN FILL**

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

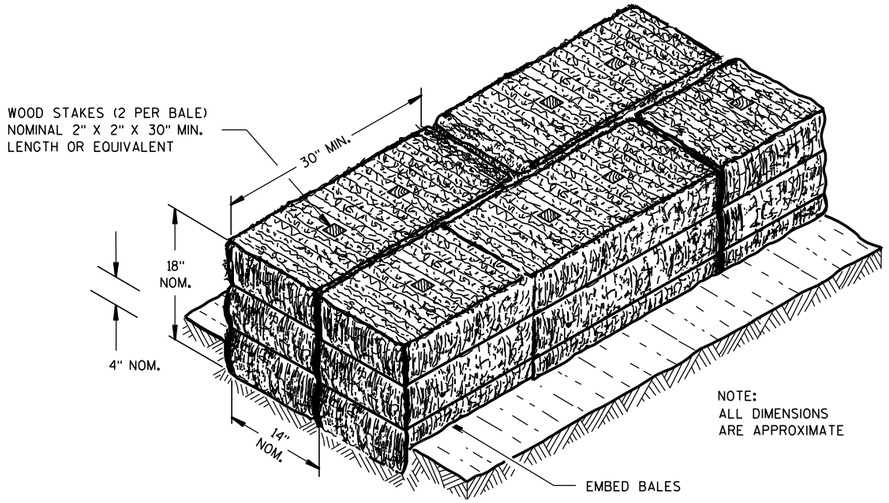
DRIVEWAYS WITHOUT CURB AND GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

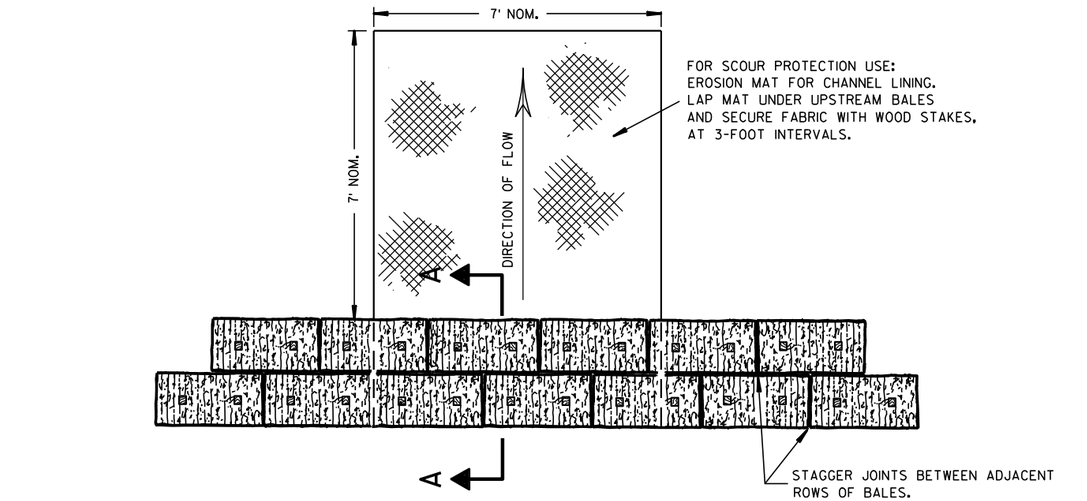
APPROVED
December 2017
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVE
UNIT SUPERVISOR

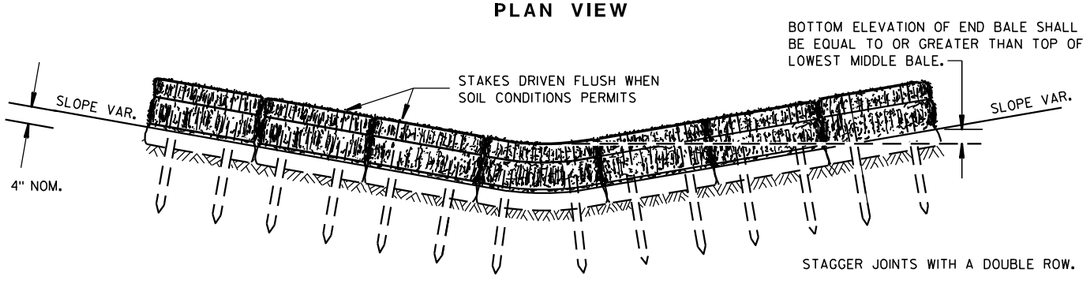
FHWA



SECTION A-A



PLAN VIEW



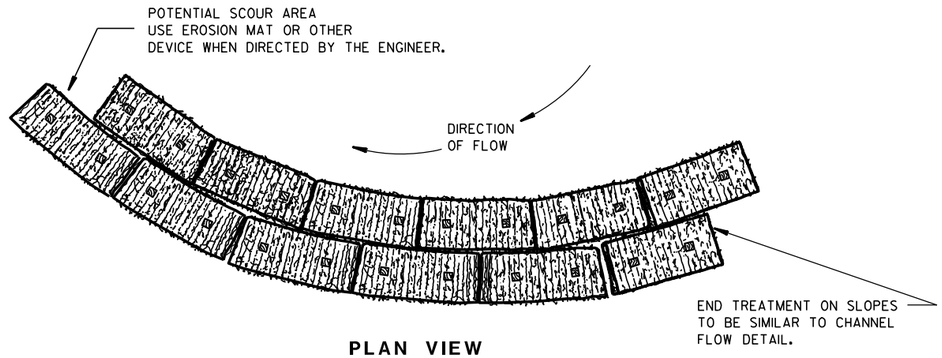
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES (1)

GENERAL NOTES

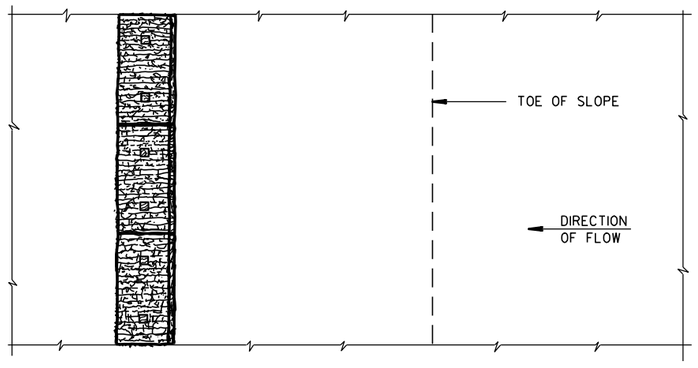
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(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.

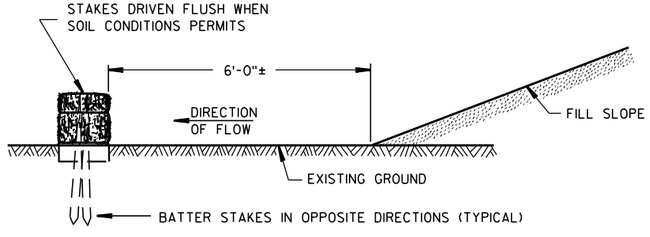


PLAN VIEW

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

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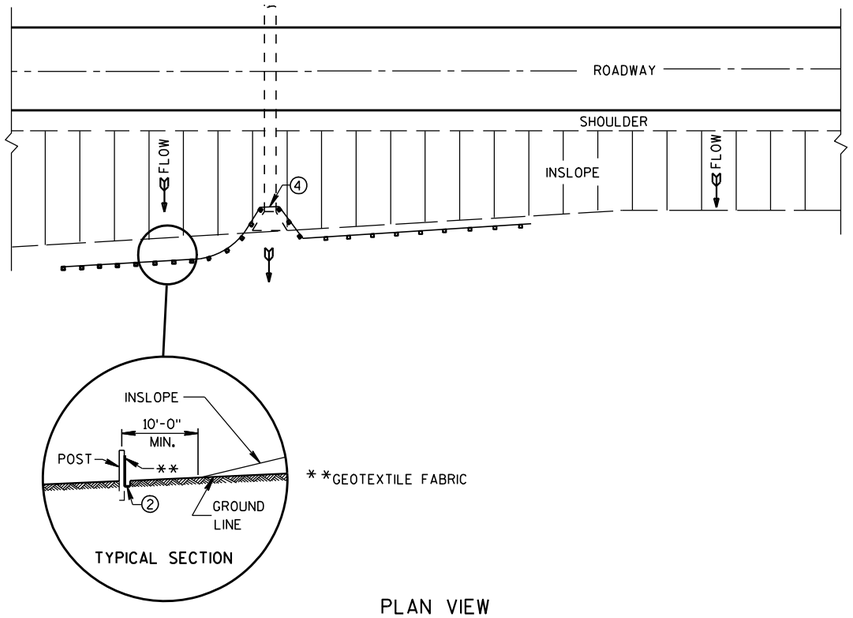
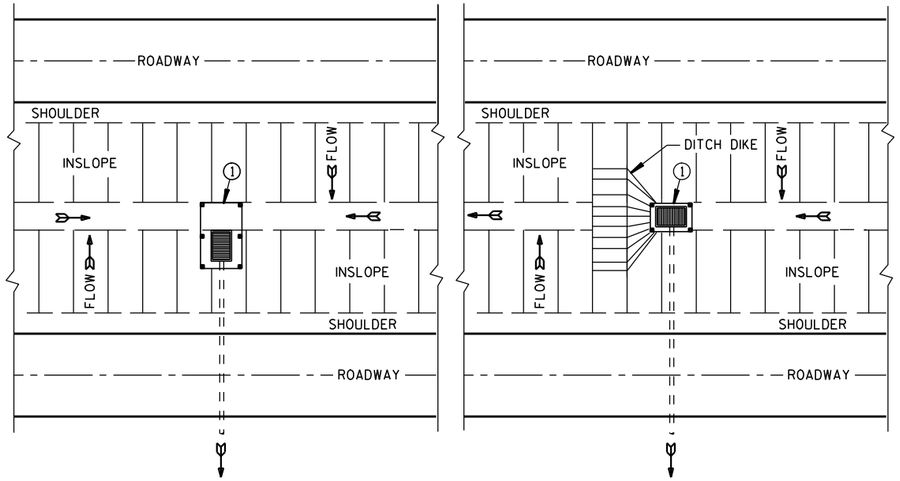


PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



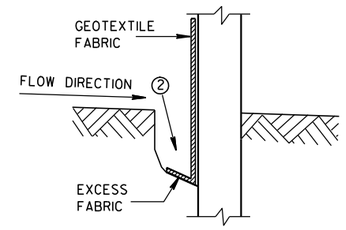
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

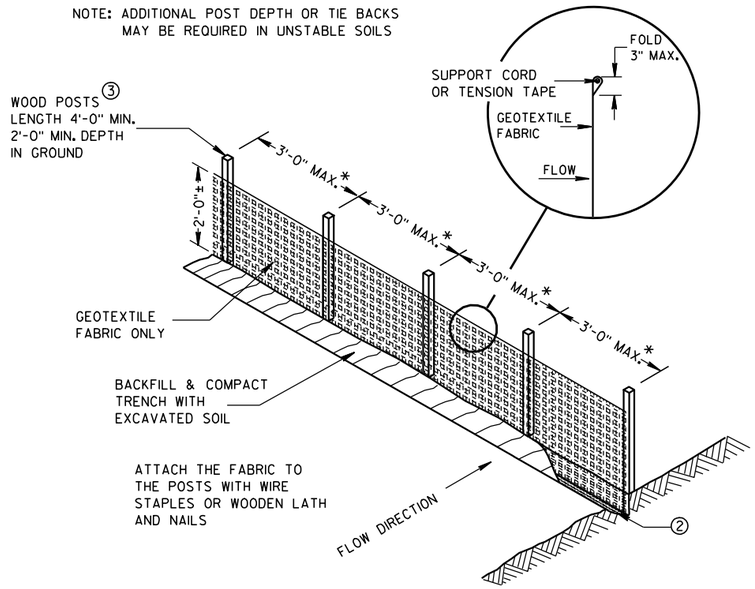
GENERAL NOTES

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

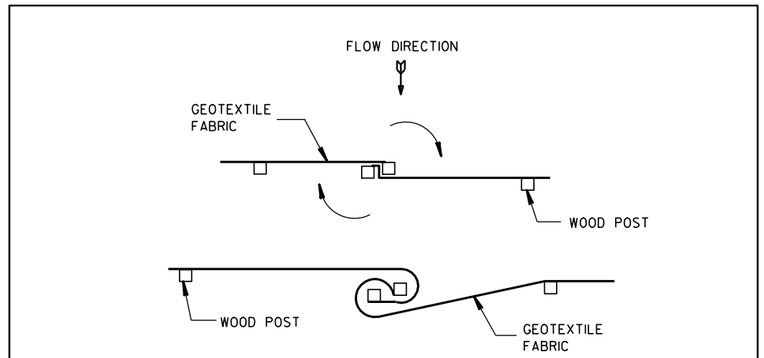
1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL 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.



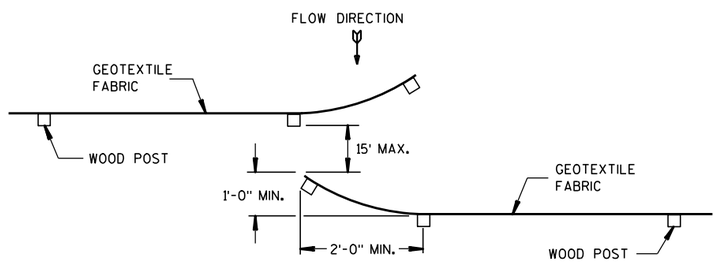
TRENCH DETAIL



SILT FENCE

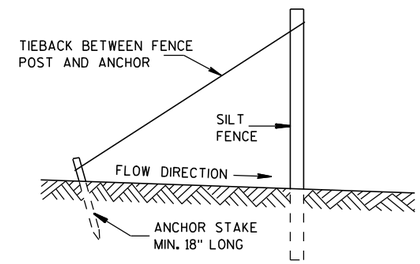


TWIST METHOD



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

335

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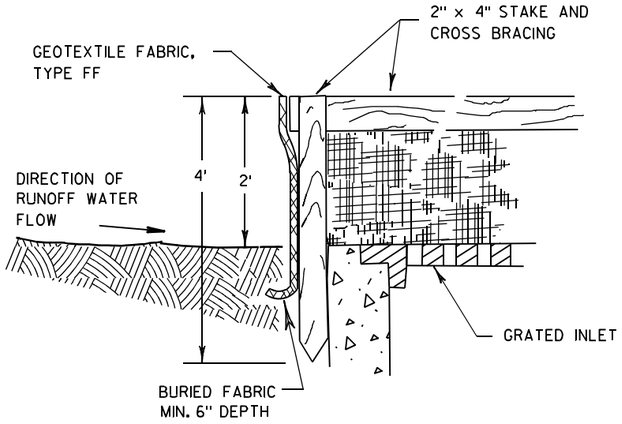
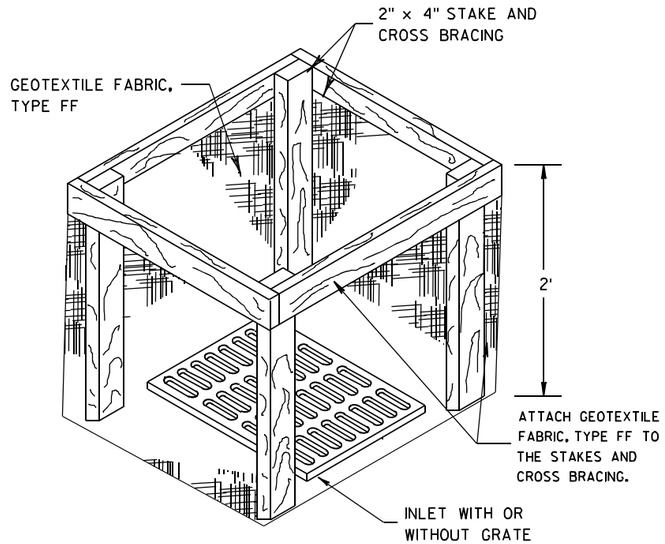
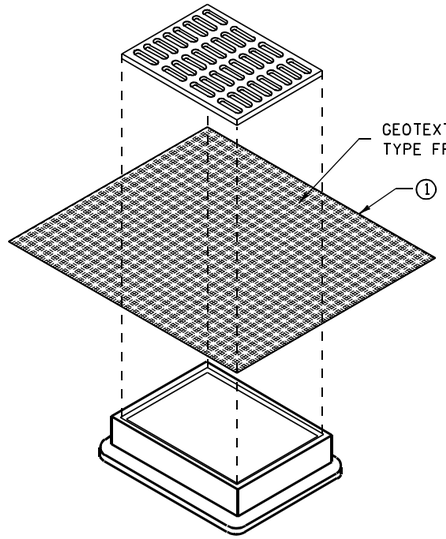


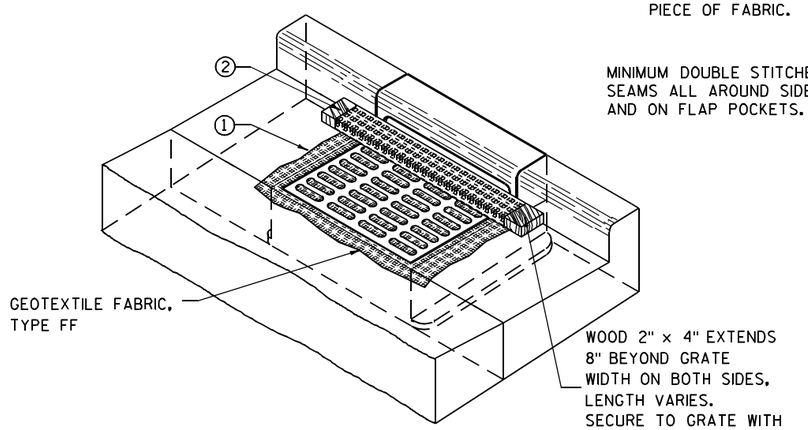


INLET PROTECTION, TYPE A

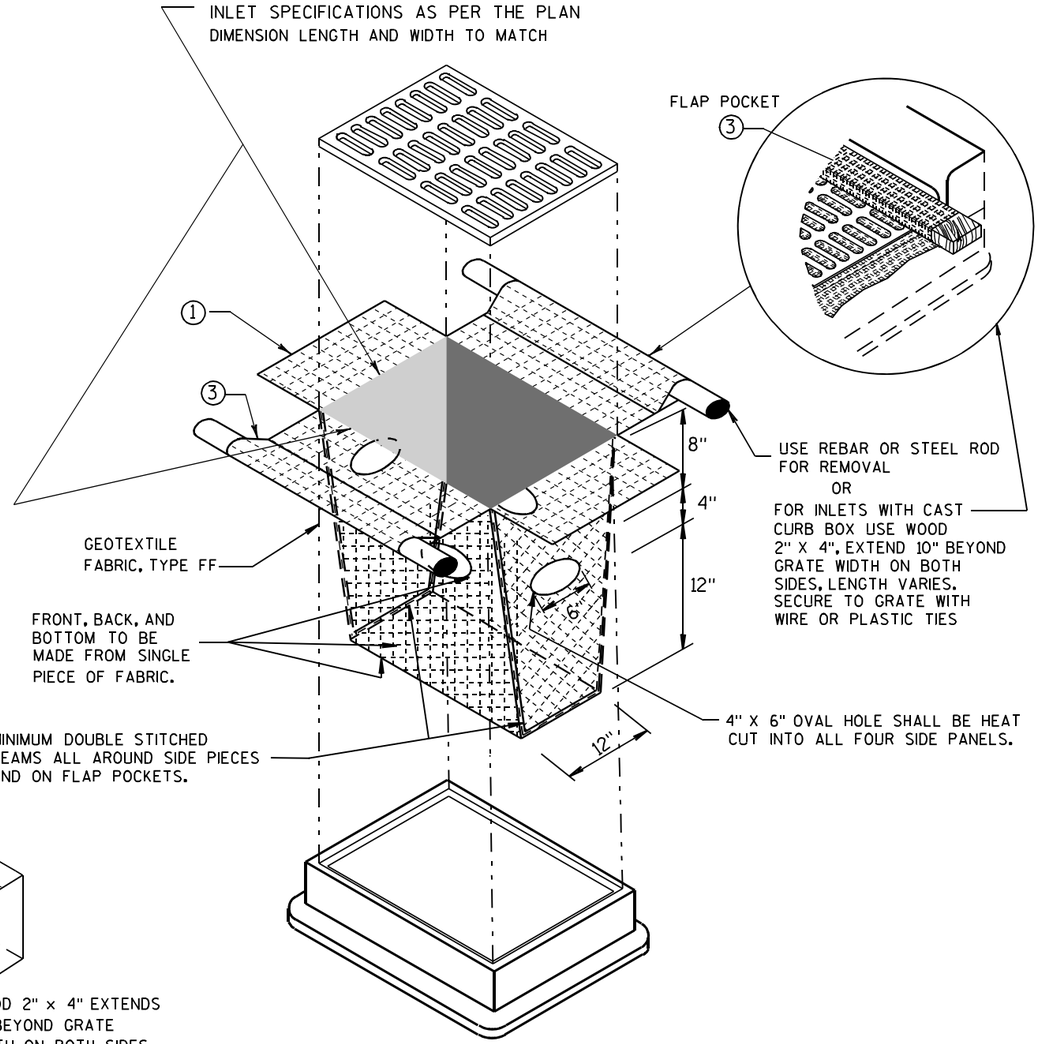


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(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

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S.D.D. 8 E 10-2

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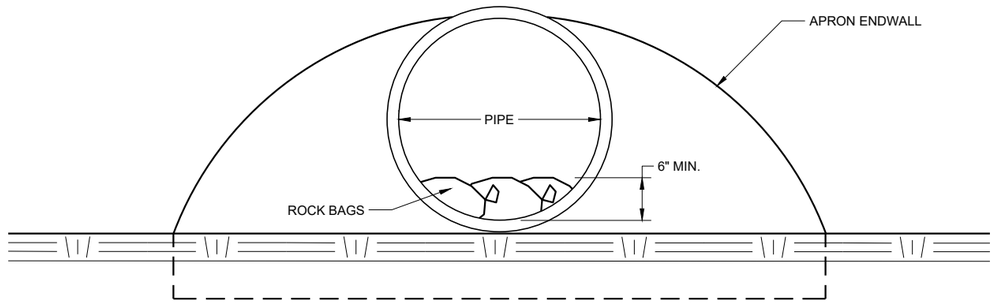
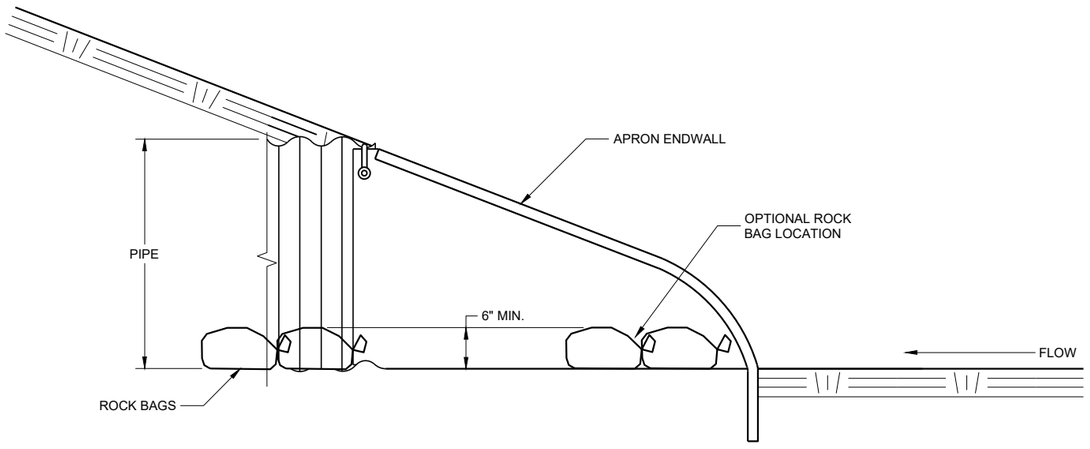
S.D.D. 8 E 10-2



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

FHWA

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SDD 08E15 - 01

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SDD 08E15 - 01

METAL APRON ENDWALLS

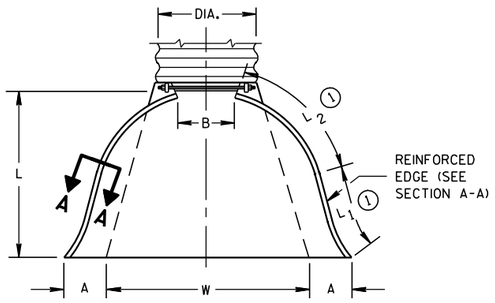
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	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

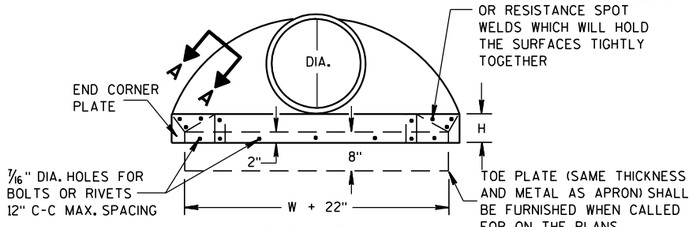
REINFORCED CONCRETE APRON ENDWALLS

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

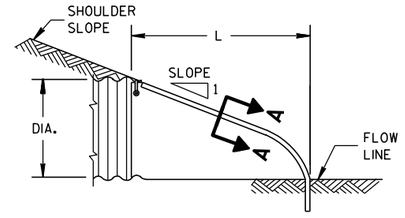
*MINIMUM
**MAXIMUM



PLAN VIEW

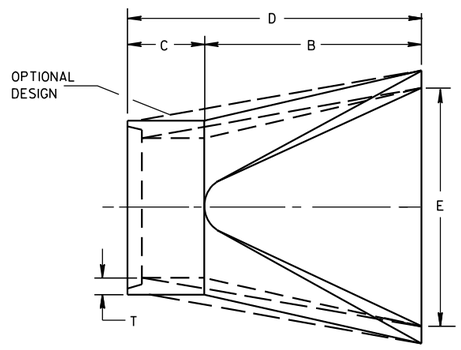


END VIEW

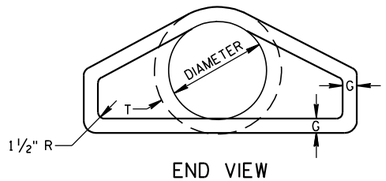


SIDE ELEVATION

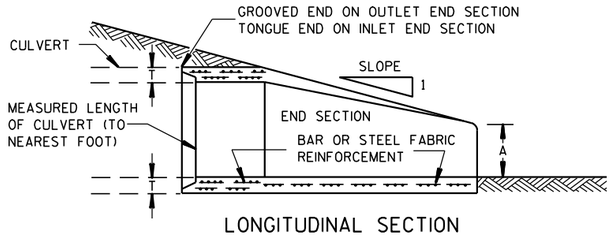
METAL ENDWALLS



PLAN

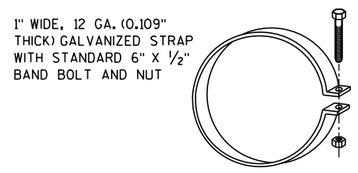


END VIEW



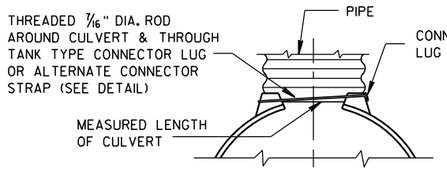
LONGITUDINAL SECTION

CONCRETE ENDWALLS

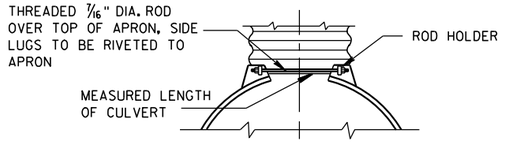


ALTERNATE FOR TYPE 1 CONNECTION

END SECTION CONNECTOR STRAP

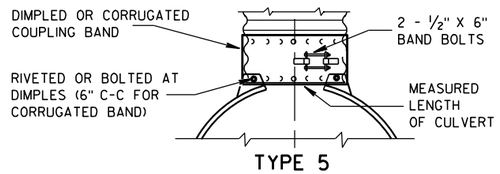


TYPE 1
FOR 12" THRU 24" CORR. PIPE



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

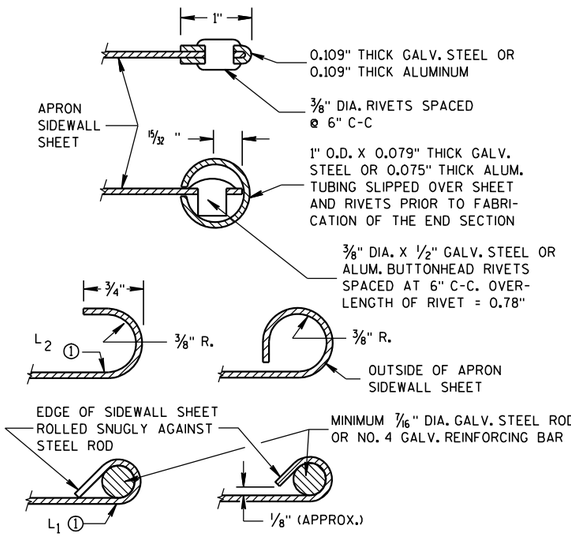
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

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

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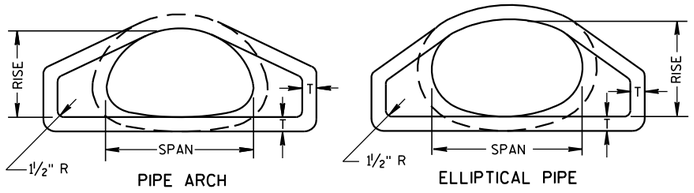
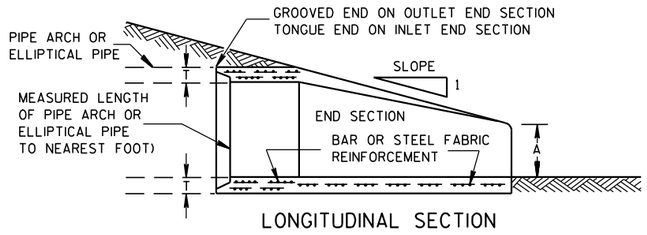
S.D.D. 8 F 1-11



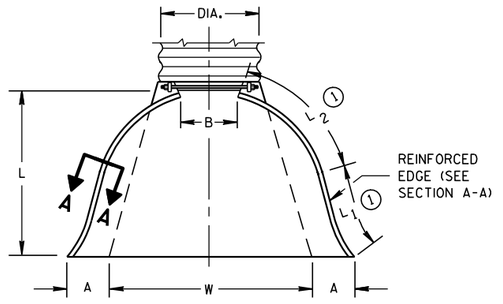
END VIEW



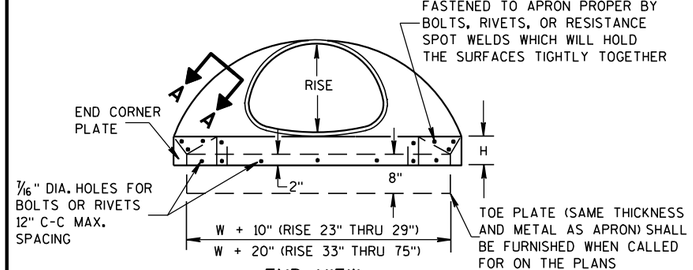
LONGITUDINAL SECTION

PLAN VIEW

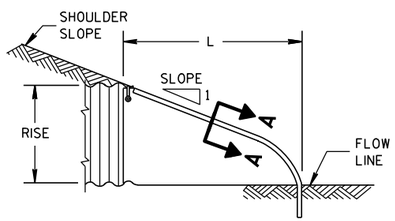
CONCRETE ENDWALLS



PLAN VIEW

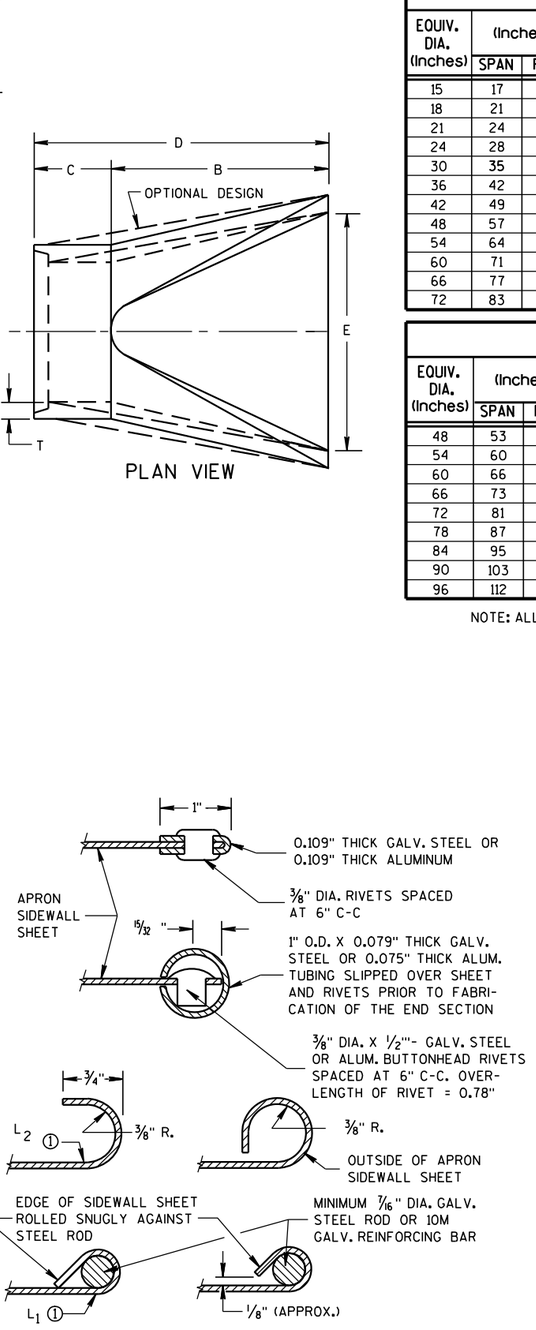


END VIEW



SIDE ELEVATION

METAL ENDWALLS



SECTION A-A

2- 2/3" X 1/2" CORRUGATIONS

EQUIV. DIA. (Inches)	(Inches) SPAN	(Inches) RISE	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
15	17	13	.064	.060	7	9	6	19	14	16	30	2½ to 1	1 Pc.
18	21	15	.064	.060	7	10	6	23	14	19⅜	36	2½ to 1	1 Pc.
21	24	18	.064	.060	8	12	6	28	18	21¾	42	2½ to 1	1 Pc.
24	28	20	.064	.060	9	14	6	32	18	27½	48	2½ to 1	1 Pc.
30	35	24	.079	.075	10	16	6	39	18	37⅝	60	2½ to 1	1 Pc.
36	42	29	.079	.075	12	18	8	46	24	45⅜	75	2½ to 1	1 Pc.
42	49	33	.109	.105	13	21	9	53	24	54¾	85	2½ to 1	2 Pc.
48	57	38	.109	.105	18	26	12	63	24	68	90	2½ to 1	3 Pc.
54	64	43	.109	.105	18	30	12	70	24	72¾	102	2¼ to 1	3 Pc.
60	71	47	.109*	.105*	18	33	12	77	30	82¼	114	2¼ to 1	3 Pc.
66	77	52	.109*	.105*	18	36	12	77	—	—	126	2 to 1	3 Pc.
72	83	57	.109*	.105*	18	39	12	77	—	—	138	2 to 1	3 Pc.

3" X 1" CORRUGATIONS

EQUIV. DIA. (Inches)	(Inches) SPAN	(Inches) RISE	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
48	53	41	.109	.105	18	26	12	63	24	72¾	90	2½ to 1	2 Pc.
54	60	46	.109	.105	18	30	12	70	30	82¼	102	2 to 1	2 Pc.
60	66	51	.109*	.105*	18	33	12	77	—	—	114	1½ to 1	3 Pc.
66	73	55	.109*	.105*	18	36	12	77	—	—	126	1½ to 1	3 Pc.
72	81	59	.109*	.105*	18	39	12	77	—	—	138	2 to 1	3 Pc.
78	87	63	.109*	.105*	22	38	12	77	—	—	148	1½ to 1	3 Pc.
84	95	67	.109*	.105*	22	34	12	77	—	—	162	1½ to 1	3 Pc.
90	103	71	.109*	.105*	22	38	12	77	—	—	174	1½ to 1	3 Pc.
96	112	75	.109*	.105*	24	40	12	77	—	—	174	1½ to 1	3 Pc.

NOTE: ALL SPLICES TO BE LAP RIVETED OR BOLTED.

* EXCEPT CENTER PANEL SEE GENERAL NOTES

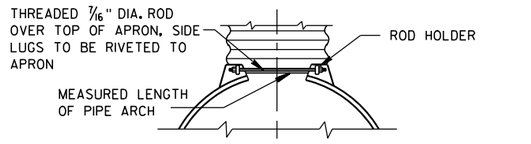
REINFORCED CONCRETE PIPE ARCH

EQUIV. DIA. (Inches)	DIMENSIONS (Inches) ** SPAN	** RISE	T	A	B	C	D	E	APPROX. SLOPE
24	29	18	3	8½	39	33	72	48	3 to 1
30	36	22	3½	9½	50	46	96	60	3 to 1
36	44	27	4	11⅛	60	36	96	72	3 to 1
42	51	31	4½	15 13/16	60	36	96	78	3 to 1
48	58	36	5	21	60	36	96	84	3 to 1
54	65	40	5½	25½	60	36	96	90	3 to 1
60	73	45	6	31	60	36	96	96	3 to 1
72	88	54	7	31	60	39	99	120	2 to 1
84	102	62	8	28½	83	19	102	144	2 to 1

REINFORCED CONCRETE ELLIPTICAL PIPE

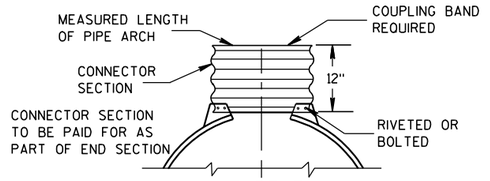
EQUIV. DIA. (Inches)	DIMENSIONS (Inches) ** SPAN	** RISE	T	A	B	C	D	E	APPROX. SLOPE
24	30	19	3¼	8½	39	33	72	48	3 to 1
30	38	24	3¾	9½	54	18	72	60	3 to 1
36	45	29	4½	11⅛	60	24	84	72	2½ to 1
42	53	34	5	15¾	60	36	96	78	2½ to 1
48	60	38	5½	21	60	36	96	84	2½ to 1
54	68	43	6	25½	60	36	96	90	2½ to 1
60	76	48	6½	30	60	36	96	96	2½ to 1

**NOMINAL SIZE



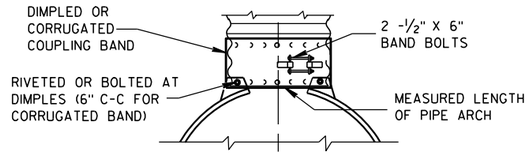
TYPE 2

FOR 17" X 13" THRU 112" X 75" PIPE ARCH



TYPE 3

FOR 64" X 43" THRU 112" X 75" PIPE ARCH



TYPE 5

ALTERNATE FOR:

ALL SIZES CORRUGATED PIPE ARCHES

NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL, AND CORRUGATED BAND FITS INSIDE ENDWALL.

CONNECTION DETAILS

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 APRON ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM APRON ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 66" X 51" PIPE ARCH AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 66" X 51" PIPE ARCH 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 ARCH 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 77" X 52" THROUGH 112" X 75" 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 ARCH SIZES UP TO 73" X 55" A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR PIPE ARCH AND ELLIPTICAL 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 2-1

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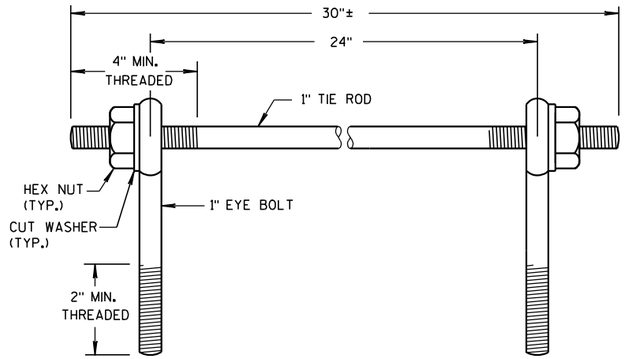
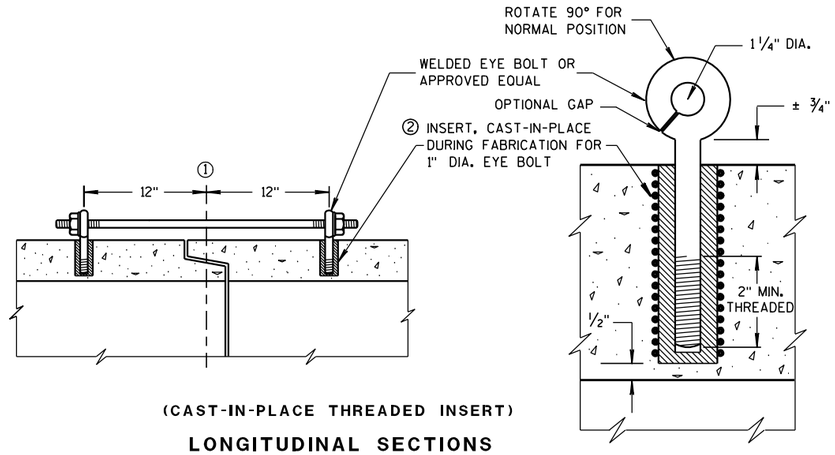
S.D.D. 8 F 2-1



EYE BOLTS AND TIE ROD



(CAST-IN-PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 1)

GENERAL NOTES

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

CONCRETE CULVERT AND STORM SEWER PIPE SHALL BE TIED TOGETHER IN THE MANNER ILLUSTRATED BY THIS DETAIL AT LOCATIONS DESIGNATED IN THE STANDARD SPECIFICATIONS AND THE PLAN. THE CONTRACTOR MAY USE EITHER ALTERNATE 1, 2 OR 3 FOR DRAINAGE STRUCTURES. ONLY ALTERNATE 1 AND 3 MAY BE USED FOR CATTLE PASSES, UNLESS OTHERWISE STATED IN THE CONTRACT. THE MATERIALS, FABRICATION AND WORK NECESSARY TO TIE THE PIPE BY THIS DETAIL WILL BE CONSIDERED INCIDENTAL TO THE PIPE AND APRON ENDWALLS IF REQUIRED.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR JOINT TIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

JOINT TIES TO BE HOT-DIP GALVANIZED PER ASTM A 153.

① ℄ OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.

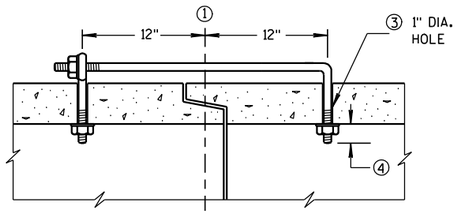
② THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

③ HOLES SHALL BE CAST-IN-PLACE OR DRILLED 12 INCHES FROM ℄ OF TONGUE AND GROOVE.

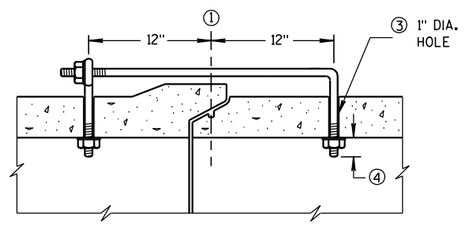
④ BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

⑤ OPENING TO BE ROD DIAMETER PLUS 1 INCH.

⑥ LENGTH ADEQUATE TO EXTEND TO WITHIN 1/2 INCH OF THE INNER SURFACE OF THE PIPE.



(TONGUE & GROOVE PIPE)

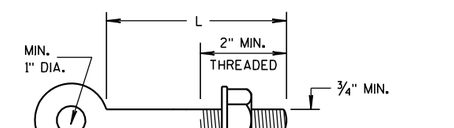


(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

EYE BOLT DIMENSION TABLE

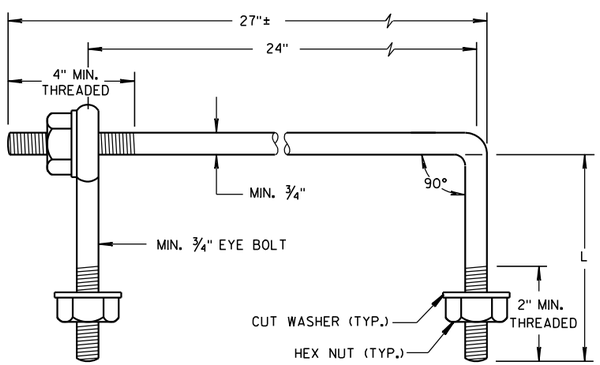
PIPE SIZE	L = LENGTH	
	TONGUE & GROOVE PIPE	MODIFIED BELL PIPE
18" TO 24"	4 1/2"	6 1/4"
30"	5"	7"
36"	5 1/2"	7"
42"	6"	
48"	6 1/2"	
60"	7 1/2"	
66"	8"	



NOTE:

EYE BOLT

NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD

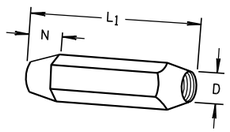
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

ADJUSTABLE TIE ROD TABLE

PIPE DIAMETER	TIE ROD DIAMETER	D	L_1	N
12-60	5/8	5/8	5	1/2
66-84	3/4	3/4	5	1/2
90-108	1	1	7	1 1/16

DIMENSIONS SHOWN ARE IN INCHES



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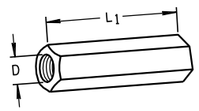
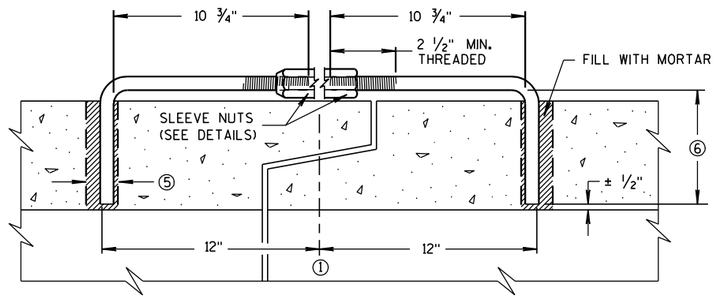


PLAIN

RIGHT AND LEFT THREADS

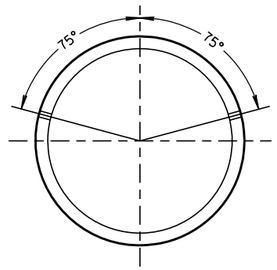
SLEEVE NUTS



LONGITUDINAL SECTION

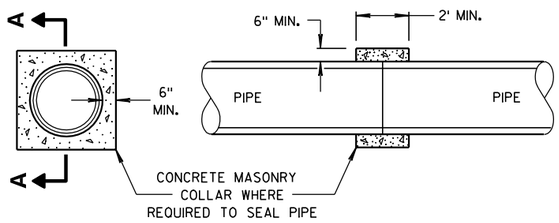
(JOINT TIES FOR 12" TO 108" DIA. CONCRETE PIPE)

ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



PLACEMENT OF (2) CAST-IN-PLACE INSERTS OR HOLES DURING FABRICATION FOR PIPE SECTIONS REQUIRING TIE RODS

TRANSVERSE SECTION



SECTION A-A

CONCRETE COLLAR DETAIL

JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
340
FHWA

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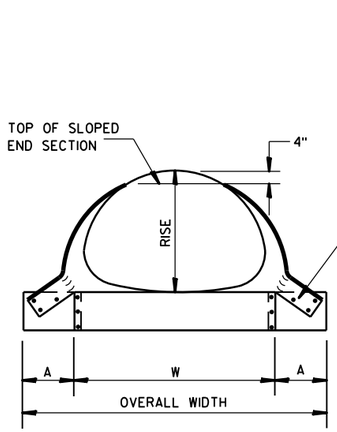
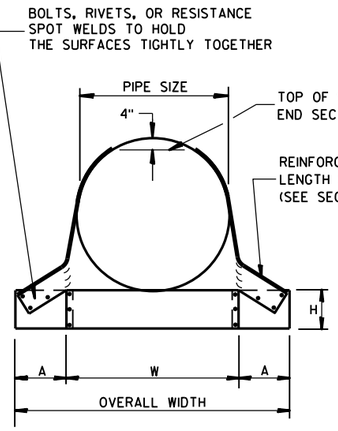
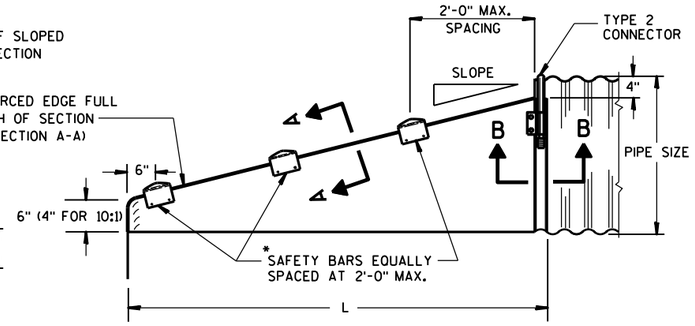
S.D.D. 8 F 4-7



FRONT VIEW



FRONT VIEW



SIDE VIEW

GENERAL NOTES

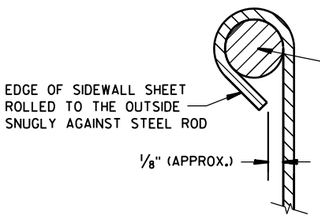
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

SLOPED END SECTIONS SHALL CONFORM TO THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS, SECTION 521 FOR STEEL APRON ENDWALLS.

SAFETY BARS SHALL BE FABRICATED FROM GALVANIZED STEEL PIPE MEETING THE REQUIREMENTS OF ASTM A-53, GRADE B, SCHEDULE 40 OR APPROVED EQUAL.

STEEL APRON ENDWALLS FOR CULVERT PIPE SLOPED SIDE DRAINS

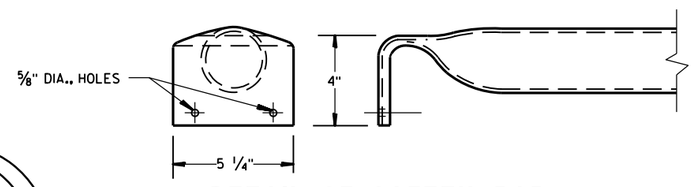
PIPE DIA. (IN.)	MIN. THICK. (Inches)	DIMENSIONS (Inches)				L DIMENSIONS					
		A	H	W	OVERALL WIDTH	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES
15	.064	8	6	21	37	4:1	20	6:1	30	10:1	70
18	.064	8	6	24	40	4:1	32	6:1	48	10:1	100
21	.064	8	6	27	43	4:1	44	6:1	66	10:1	130
24	.064	8	6	30	46	4:1	56	6:1	84	10:1	160
30	.109	12	9	36	60	4:1	80	6:1	120	10:1	220
36	.109	12	9	42	66	4:1	104	6:1	156	10:1	280
42	.109	16	12	48	80	4:1	128	6:1	192	——	——
48	.109	16	12	54	86	4:1	152	6:1	228	——	——
54	.109	16	12	60	92	4:1	176	6:1	264	——	——
60	.109	16	12	66	98	4:1	200	6:1	300	——	——



SECTION A-A

*NOTE:
THREE SAFETY BARS ARE SHOWN. ACTUAL NUMBER OF BARS REQUIRED AT A 2'-0" C-C MAX. SPACING WILL VARY DEPENDING ON THE LENGTH OF THE END SECTION.

3" GALVANIZED PIPE. FLATTEN ENDS, THEN BEND OUTSIDE 4" TO MATCH END SECTION SIDES.

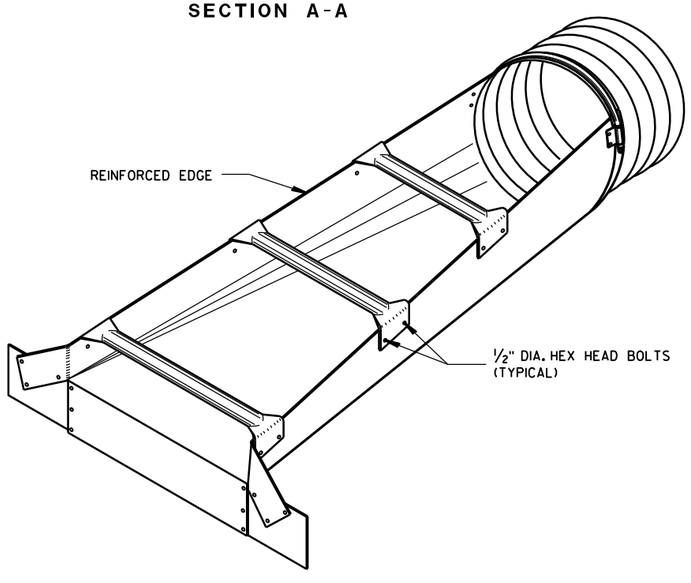


DETAIL OF SAFETY BAR

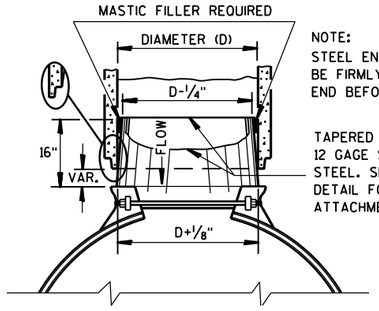
STEEL APRON ENDWALLS FOR PIPE ARCH SLOPED SIDE DRAINS

EQUIV. DIA. (Inches)	(Inches) SPAN	(Inches) RISE	MIN. THICK. (Inches) ①	DIMENSIONS (Inches) A	H	W	OVERALL WIDTH	L DIMENSIONS SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES
15	17	13	.064 *	7	6	30	44	4:1	19	6:1	30	10:1 ②	70
18	21	15	.064 *	8	6	27	43	4:1	20	6:1	30	10:1	70
21	24	18	.064 *	8	6	30	46	4:1	32	6:1	48	10:1	100
24	28	20	.064 *	8	6	34	50	4:1	40	6:1	60	10:1	120
30	35	24	.079 *	12	9	41	65	4:1	56	6:1	84	10:1	160
36	42	29	.109 *	12	9	48	72	4:1	76	6:1	114	10:1	210
42	49	33	.109	16	12	55	87	4:1	92	6:1	138	——	——
48	57	38	.109	16	12	63	95	4:1	112	6:1	168	——	——
54	64	43	.109	16	12	70	102	4:1	132	6:1	198	——	——

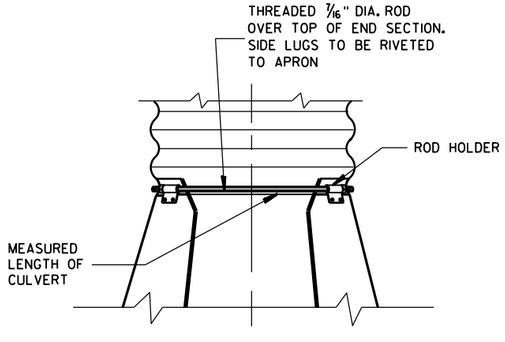
① * MINIMUM THICKNESS OF ALL 10:1 SLOPED SIDE DRAINS IS 0.109".
② ACTUAL SLOPE GREATER THAN 10:1.



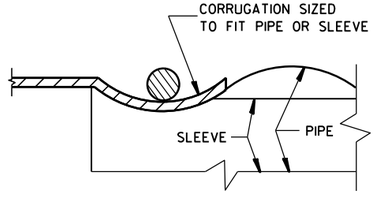
ISOMETRIC VIEW



STEEL ADAPTER SLEEVE FOR CONCRETE PIPE



TYPE 2
CONNECTION DETAIL



SECTION B-B

STEEL APRON ENDWALLS FOR CULVERT PIPE AND PIPE ARCH SLOPED SIDE DRAINS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

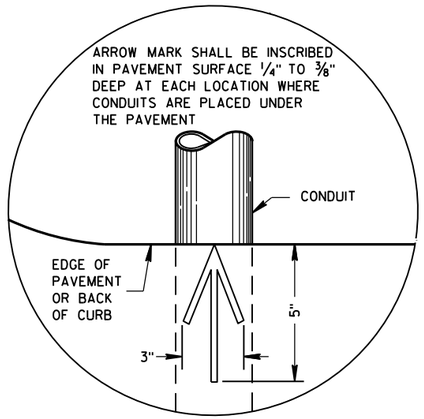
APPROVED
9/14/2012 DATE
/S/ Jerry H. Zoda
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 8 F 7-5

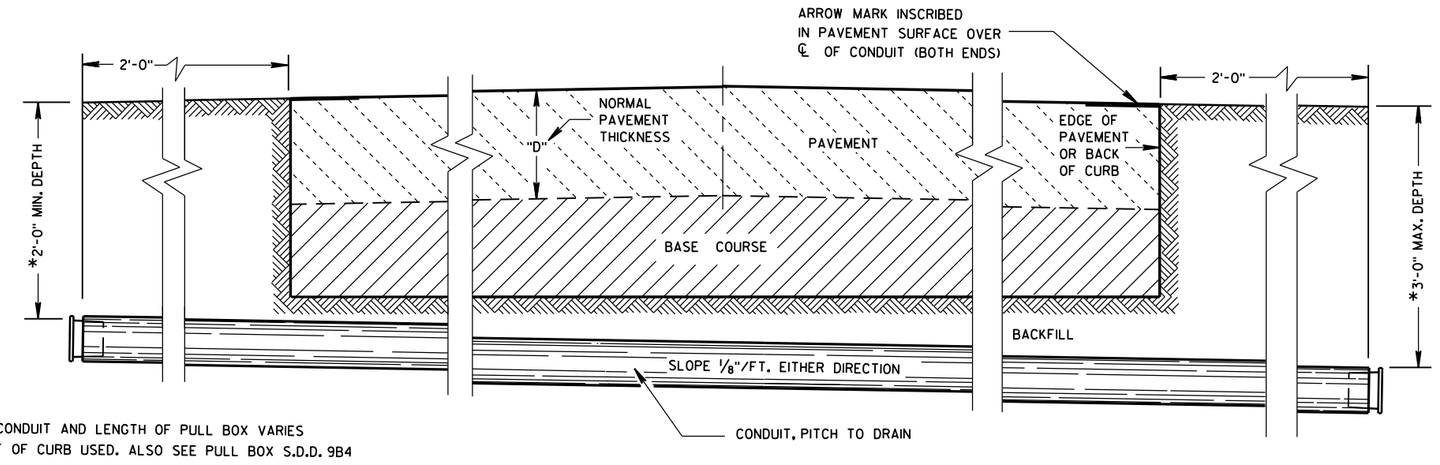
6

S.D.D. 8 F 7-5



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
342
FHWA

6

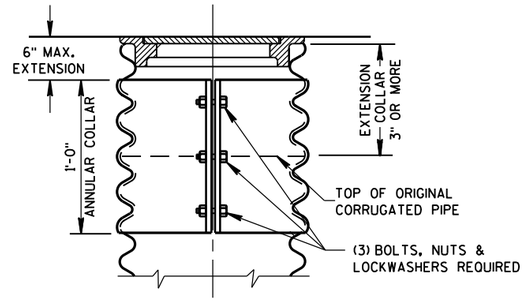
S.D.D. 9 B 2-10

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

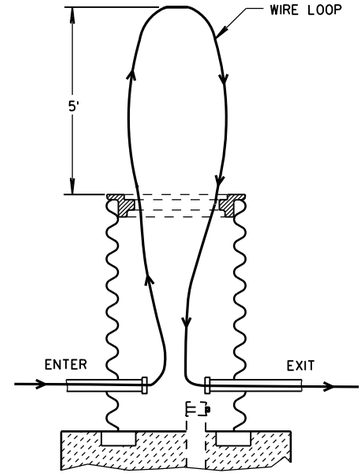
DIMENSION IN INCHES		CORRUGATED STEEL PIPE								
PIPE DIAMETER (INSIDE)	A	12	12	12	18	18	18	24	24	24
PIPE LENGTH **	B	24	30	36	24	30	36	36	42	48
WALL THICKNESS	C	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064
COVER	D	10 1/4	10 1/4	10 1/4	16 1/4	16 1/4	16 1/4	22 1/4	22 1/4	22 1/4
FRAME	E	14 1/2	14 1/2	14 1/2	20 1/2	20 1/2	20 1/2	26 1/2	26 1/2	26 1/2
FRAME	F	8 1/2	8 1/2	8 1/2	14 1/2	14 1/2	14 1/2	20 1/2	20 1/2	20 1/2
FRAME	G	11 1/2	11 1/2	11 1/2	17 1/2	17 1/2	17 1/2	23 1/2	23 1/2	23 1/2
WEIGHT IN POUNDS *										
FRAME AND COVER		60	60	60	110	110	110	155	155	155

* THE ACTUAL WEIGHT OF THE MANHOLE FRAME AND COVER MAY VARY WITHIN 5 PERCENT PLUS OR MINUS OF THE WEIGHTS SHOWN.

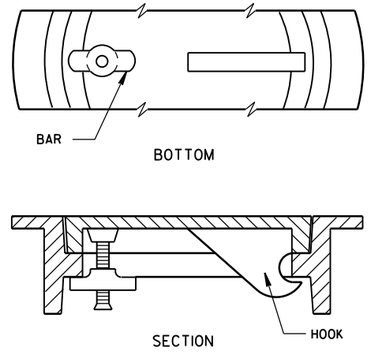
** NORMALLY USED LENGTHS. THE PROJECT ENGINEER SHALL DETERMINE IF PIPE LENGTHS, OTHER THAN THOSE SPECIFIED, SHALL BE USED, TO A MAXIMUM OF 48" (CONTINUOUS LENGTH, NON-SPLICED). THE ADDITIONAL LENGTH SHALL BE INCIDENTAL TO THE PULL BOX BID PRICE.



CORRUGATED PIPE EXTENDER

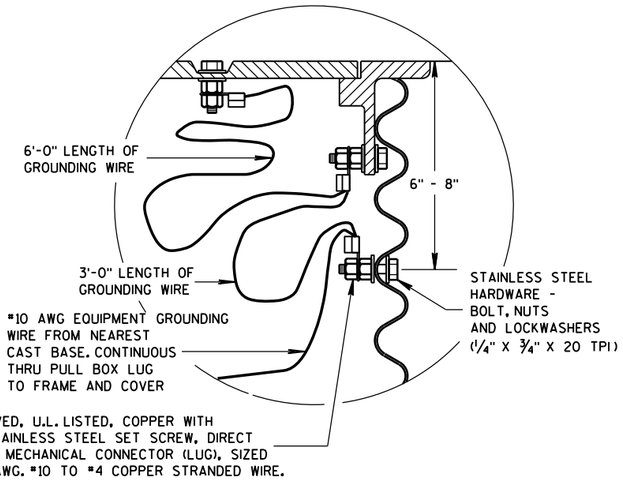


MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX

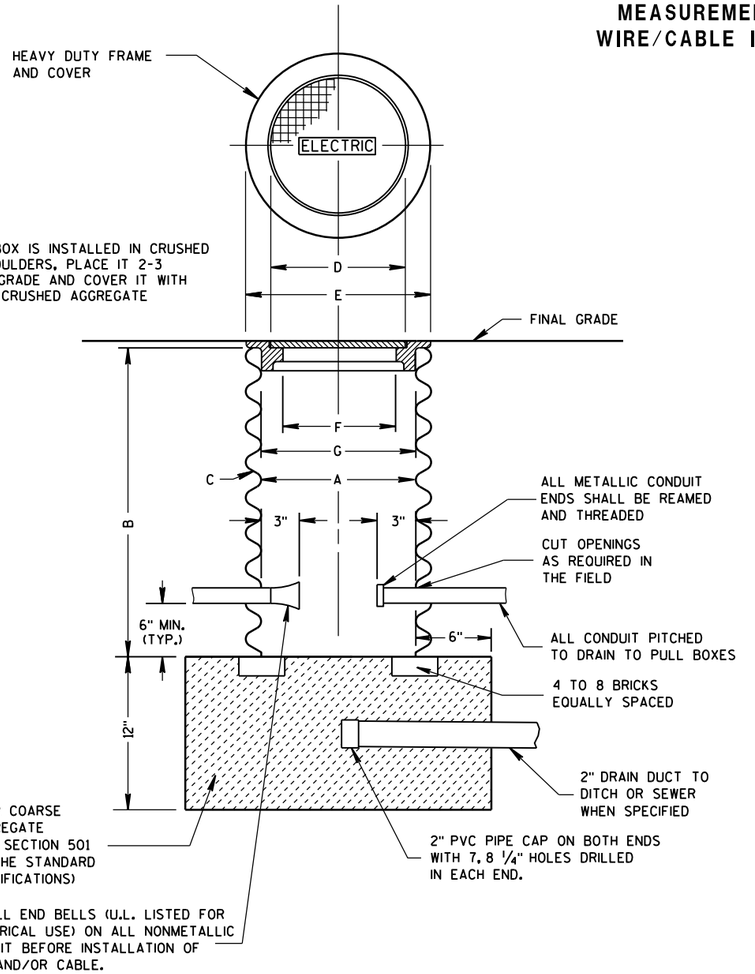


ALTERNATE COVER (LOCKING)

TIGHTENING BAR TYPE



EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES



PULL BOX

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

ALL FRAMES AND COVERS SHALL BE HEAVY DUTY TYPE, SUITABLE FOR VEHICULAR TRAFFIC LOADS.

PULL BOXES LOCATED IN THE ROADWAYS SHALL HAVE LOCKING COVERS.

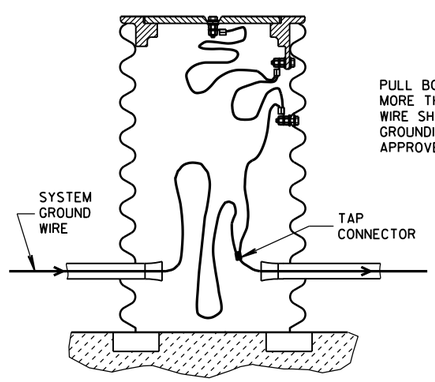
ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN 1/4".

THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

GROUNDING LUGS (MECHANICAL CONNECTORS) SHALL BE U.L. LISTED AND APPROVED FOR USE WITH COPPER WIRE.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

WHEN PULL BOXES ARE INSTALLED FOR FUTURE USE, DO NOT INSTALL THE EQUIPMENT GROUNDING LUG. THE EQUIPMENT GROUNDING LUG, THE EQUIPMENT GROUNDING ELECTRODE AND THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE REQUIRED AND INSTALLED UNDER A FUTURE WIRING CONTRACT.



PULL BOX TO NEAREST BASE DISTANCE MORE THAN 20 FEET. PULL BOX GROUND WIRE SHALL CONNECT AT SYSTEM GROUNDING WIRE. USE DEPARTMENT APPROVED TAP CONNECTOR.

EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES

PULL BOX

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL
FHWA

6

S.D.D. 9 B 4-11

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

DIMENSION IN INCHES		NON-CONDUCTIVE PULL BOX	
BOX DIAMETER ** (INSIDE)	A	24	24
BOX OVERALL OUTSIDE DIAMETER	B	27	27
BOX LENGTH	C	36	42
FRAME OPENING	D	22 1/2	22 1/2
WEIGHT IN POUNDS *			
COVER		50	50
BOX ONLY		75	85

* THE ACTUAL WEIGHT OF THE COVER OR BOX ONLY MAY VARY NOT TO EXCEED 100 LBS INDIVIDUALLY.

** DIAMETER VARIES FROM TOP TO BOTTOM WITH THE DIAMETER LARGER AT THE BOTTOM TO PREVENT FROST HEAVE

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

ALL BOXES, FRAMES AND COVERS SHALL BE SUITABLE FOR TIER 15 LOADING AS SPECIFIED IN ANSI/SCTE 77.

PROVIDE AN OPENING FOR TOOL ASSISTED COVER REMOVAL NOT LARGE ENOUGH TO PERMIT PASSAGE OF A SPHERE MORE THAN 1/2" DIAMETER

ENSURE COVER SURFACE IS SKID RESISTANT WITH A COEFFICIENT OF FRICTION OF AT LEAST 0.5 AND VERTICAL SURFACE DICONTINUITIES LESS THAN 1/4".

COVER SHALL BE MAGNETICALLY LOCATABLE.

BOXES AND EXTENSIONS ARE TRIMMABLE FOR CUSTOM LENGTHS. TRIMMED PIECES SHALL MAINTAIN A UNIFORM LENGTH.

ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN 1/4".

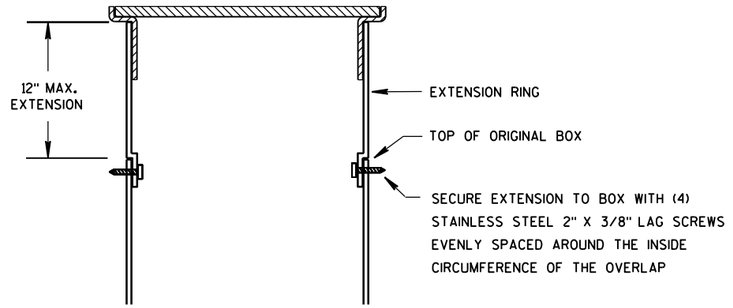
THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

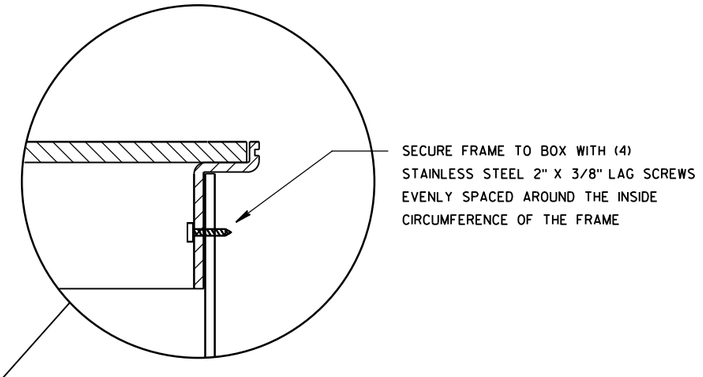
ENTIRE BOX MUST BE CONSTRUCTED OF NON-CONDUCTIVE MATERIALS WITH THE EXCEPTION OF STAINLESS STEEL FASTENERS AND MAGNETIC LOCATABLE DEVICE.

WHEN A PULL BOX IS INSTALLED IN CRUSHED AGGREGATE SHOULDERS, PLACE IT 2-3 INCHES BELOW GRADE AND COVER IT WITH 2-3 INCHES OF CRUSHED AGGREGATE

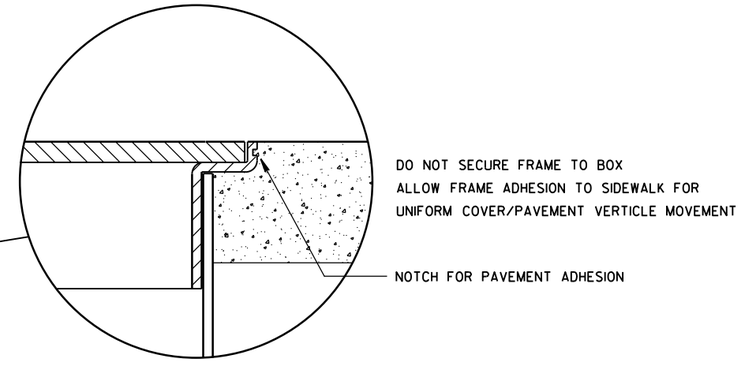
LABEL ON COVER SHALL READ "ELECTRIC" FOR SIGNAL AND LIGHTING SYSTEMS, "WISDOT ITS" FOR COMMUNICATIONS AND ITS EQUIPMENT SYSTEMS.



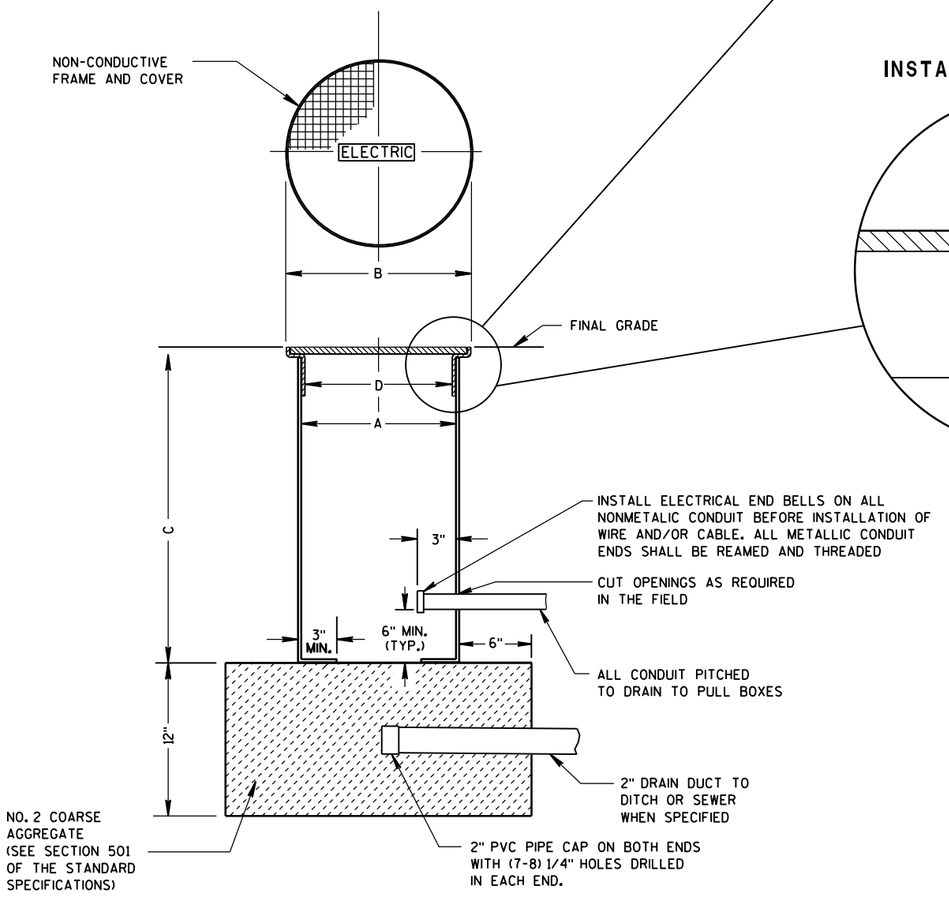
BOX EXTENSION



INSTALLED IN SOD OR CRUSHED AGGREGATE



INSTALLED IN SIDEWALK



NON-CONDUCTIVE PULL BOX

PULL BOX NON-CONDUCTIVE

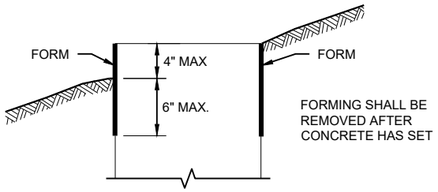
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6

S.D.D. 9 B 16-1

FORM DEPTH SHALL BE NO MORE THAN 6" BELOW GRADE ON THE LOWER SIDE OF BASE



FORMING DETAIL

QUANTITY REQUIREMENTS	CONCRETE BASE TYPE		
	1	2	5 & 6
APPROX. CUBIC YARDS OF CONCRETE	0.40	0.57	0.40
LBS. OF HOOP BAR STEEL	NONE	23	16
LBS. OF VERTICAL BAR STEEL	NONE	60	18

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWINGSHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

BASES SHALL BE EXCAVATED BY USE OF A CIRCULAR AUGER.

TOP SURFACES OF CONCRETE BASES SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE SHOWN ON THE PLANS

THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN A THE ENTRANCE OF THE BASE.

ENDS OF CONDUIT INSTALLED BELOW GRADE FRO FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON-METALLIC.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 1 INCH. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON-METALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION.

WHEN REQUIRED TO CONNECT NON-METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE DIRT OR FILL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUND THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

A NO. 4 AWG STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD) FOR TYPE 2, TYPE 5 AND TYPE 6 BASES.

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER ALL BASE TYPES THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

ANCHOR RODS SHALL BE THREADED 12" IN LENGTH ON EACH END OF THE ROD. ANCHOR RODS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 654.2.1 OF THE STANDARD SPECIFICATIONS.

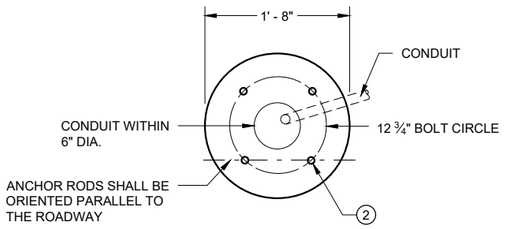
WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

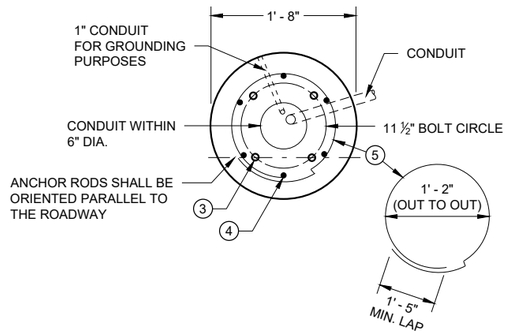
WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4 INCH"L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND SHALL NOT BE THREADED.

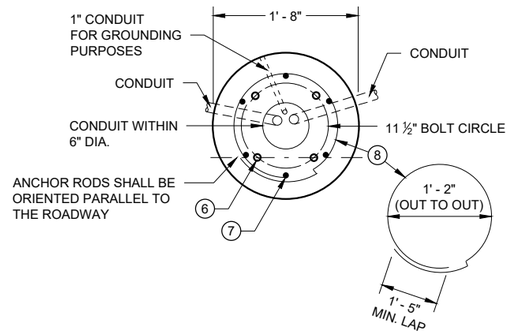
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

WELDING OF THE ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TIE WIRES SHALL BE USED.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).







(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

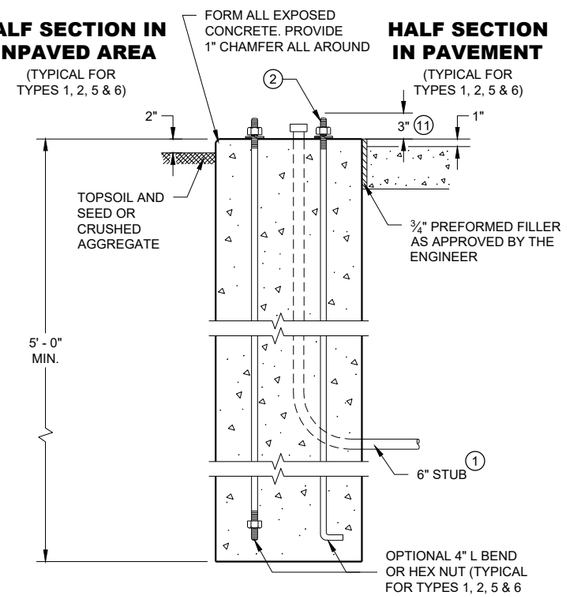
(10) ⅝" DIA. X 8' -0" COPPERCLAD EQUIPMENT GROUNDING ELECTRODE REQUIRED

(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.

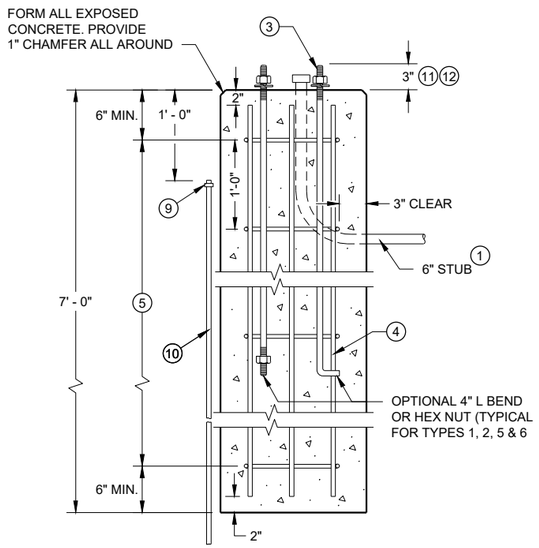
(12) FOR NON - BREAKAWAY INSTALLATIONS, 4 ½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

HALF SECTION IN UNPAVED AREA
(TYPICAL FOR TYPES 1, 2, 5 & 6)

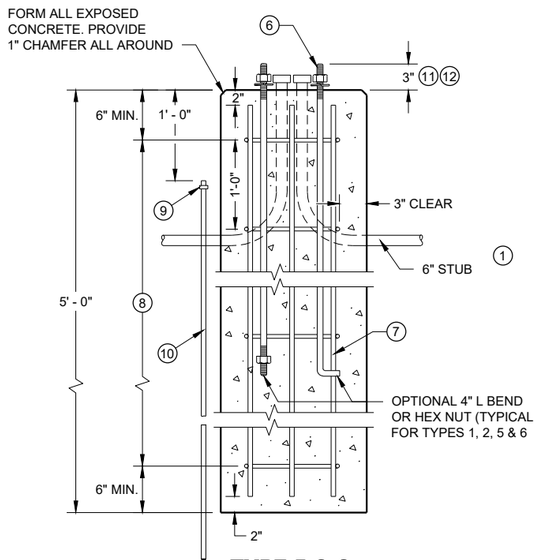
HALF SECTION IN PAVEMENT
(TYPICAL FOR TYPES 1, 2, 5 & 6)



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 345

FHWA

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

FOUR (4) BOLTS SHALL BE FURNISHED WITH EACH TRANSFORMER BASE. BOLTS SHALL BE 1" DIAMETER, 4" IN LENGTH, WITH WASHERS, LOCK WASHERS AND NUTS. BOLTS, NUTS AND WASHERS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 531.2.2 OF THE STANDARD SPECIFICATIONS.

LEVELING SHIMS, IF NEEDED, SHALL BE DESIGNED FOR THE PURPOSE AND USED UNDER CAST BASES WHEN PLUMBING POLES OR STANDARDS DURING INSTALLATION. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE.

SHIM LENGTH SHALL BE LONG ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.

DOUBLE NUTTING IS NOT ACCEPTABLE FOR LEVELING OR MOUNTING PURPOSES.

A NEMA APPROVED, U.L. LISTED, COPPER WITH BRASS OR STAINLESS STEEL SET SCREW, DIRECT BURY RATED, MECHANICAL CONNECTOR (LUG), SIZED TO ACCEPT AWG. #10 TO #4 COPPER STRANDED WIRE SHALL BE FURNISHED AND INSTALLED IN THE PEDESTAL AND TRANSFORMER BASES.

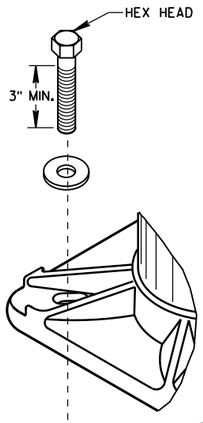
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

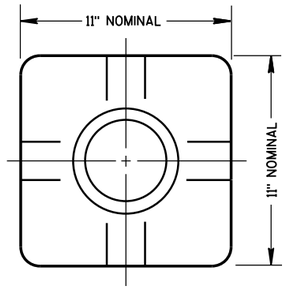
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH NATIONAL PIPE THREADING DIMENSIONS.

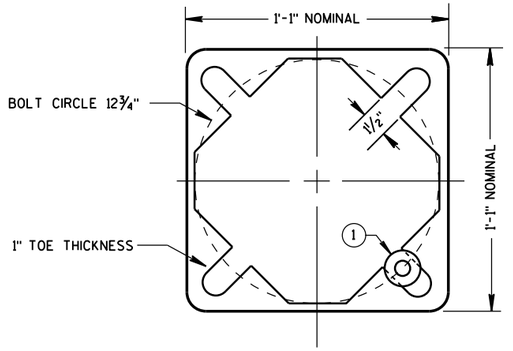
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

THE ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.

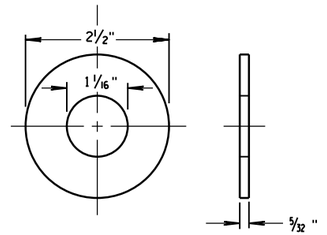




TOP VIEW
(PEDESTAL BASE)

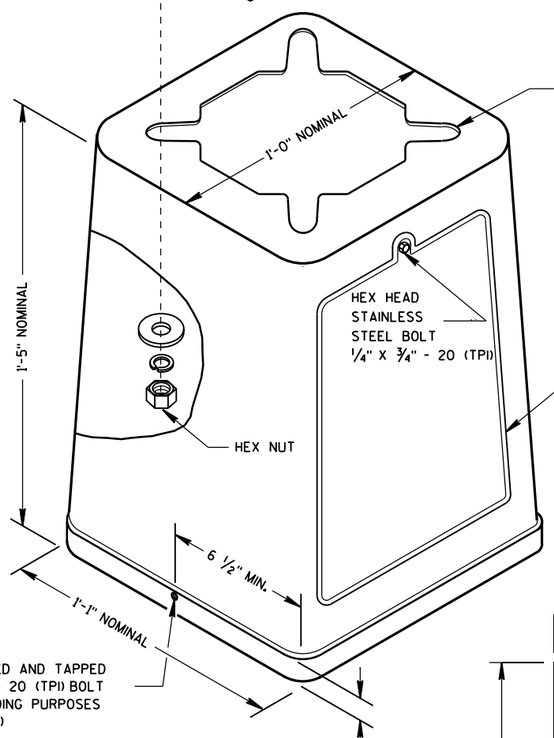


BOTTOM VIEW
(PEDESTAL BASE)

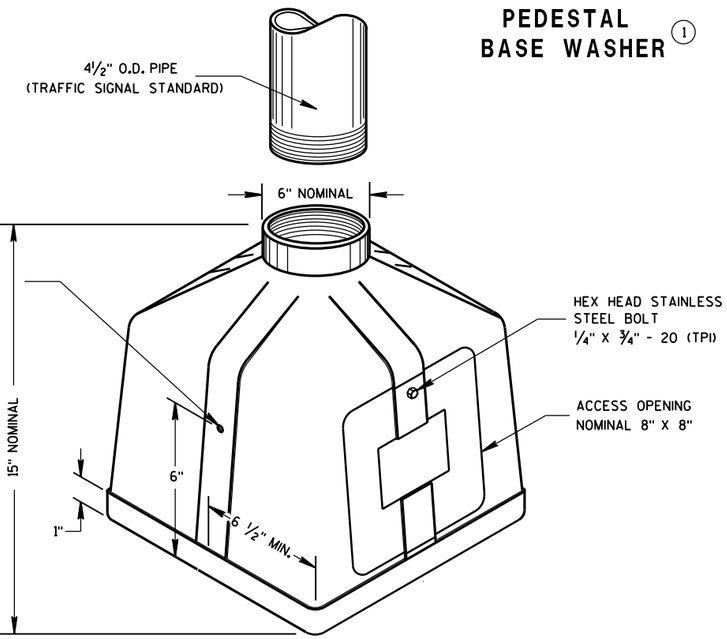


ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

PEDESTAL BASE WASHER (1)

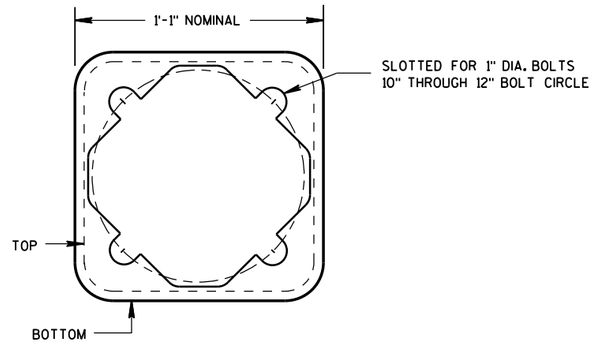


ISOMETRIC VIEW

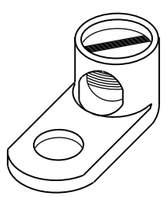


ISOMETRIC VIEW

PEDESTAL BASE



BOTTOM VIEW
(TRANSFORMER BASE)

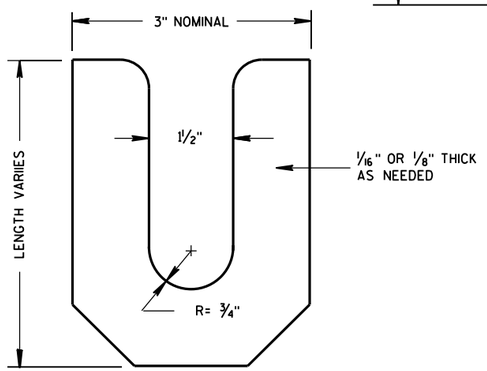


TYPICAL MECHANICAL CONNECTOR LUG

TO BE FURNISHED WITH EACH BASE

TRANSFORMER BASE

INTENDED FOR USE WITH TYPE 2, 3, 4, 5 & 6 POLES



LEVELING SHIM

TRANSFORMER/PEDESTAL BASES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

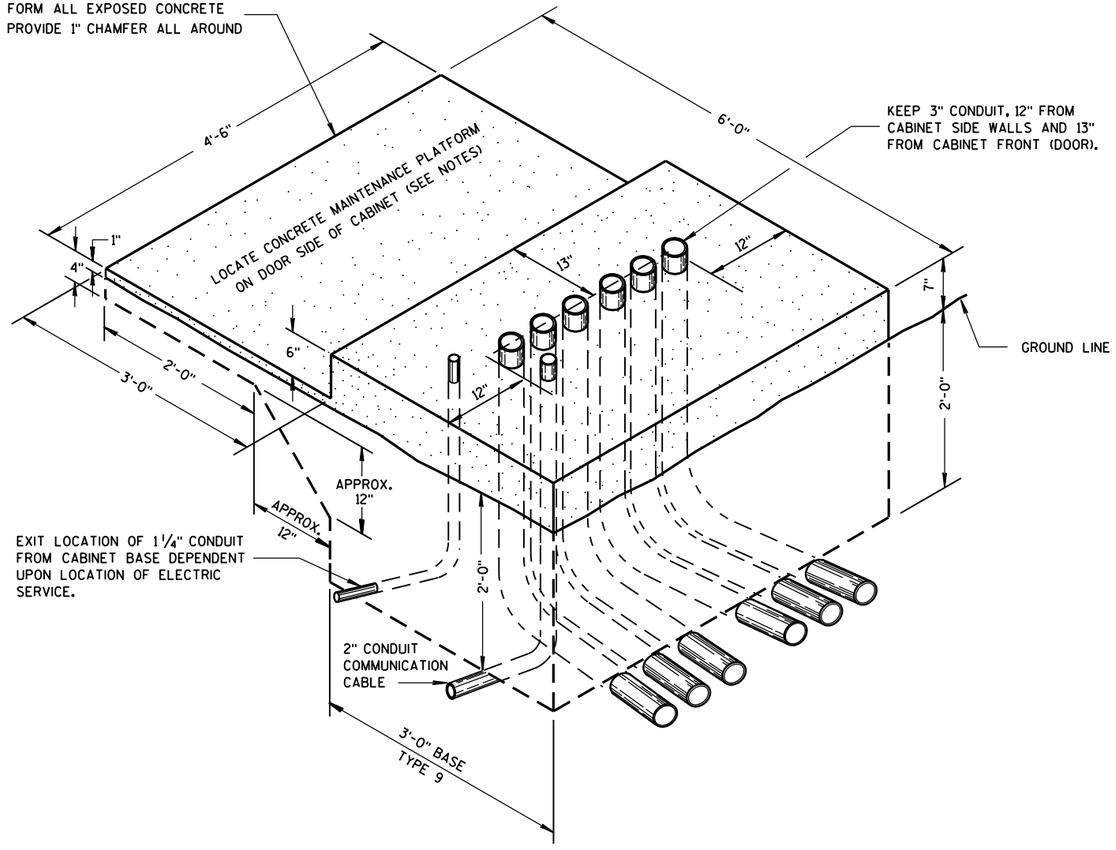
APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6

S.D.D. 9 C 3-4

6

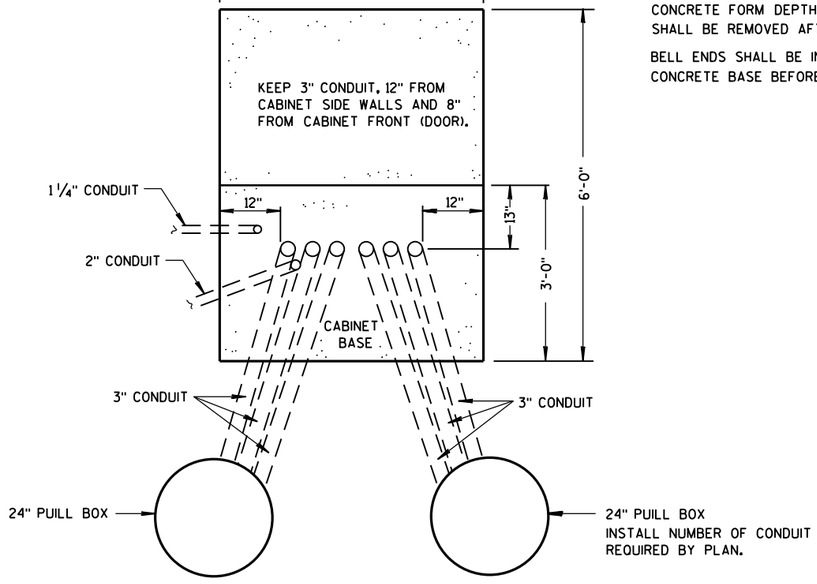
S.D.D. 9 C 3-4



ISOMETRIC VIEW

TYPE 9, SPECIAL

(C.Y. CONCRETE = APPROX. 1.56)



PLAN VIEW

CONCRETE CONTROL CABINET BASE, TYPE 9, SPECIAL

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

INSTALL FOUR ½ INCH MINIMUM DIAMETER X 4 INCH MINIMUM LENGTH STAINLESS STEEL APPROVED CONCRETE MASONRY ANCHORS WITH A PULLOUT STRENGTH OF 9,000 LBS. TO ANCHOR THE CABINET TO TYPE 6, 7, 8, AND 9 BASES. THE ANCHOR STUDS SHALL BE LOCATED AS DIRECTED BY THE ENGINEER TO PROPERLY ANCHOR THE CONTROL CABINET TO THE BASE.

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 1 INCH.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

CONTROL CABINET BASE TOP SURFACE SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

MAINTENANCE PLATFORM SHALL BE FLOAT OR BROOM FINISHED AND BE LEVEL.

MAINTENANCE PLATFORMS ARE NOT REQUIRED WHEN THE SURROUNDING AREA IS PAVED.

MINIMUM BENDING RADIUS OF CONDUIT = 6 X THE DIAMETER.

ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

CAP ALL BELOW GRADE METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

PLUG ALL BELOW GRADE NONMETALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

CONDUIT EXITING THE CONCRETE BASE (SIX THREE INCH) SHALL TERMINATE IN PULL BOXES AS SHOWN ON THE PLANS.

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6" MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF THE CONCRETE BASE BEFORE INSTALLATION OF CABLE OR WIRE.

CONCRETE CONTROL CABINET BASE, TYPE 9, SPECIAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL 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 AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE AS 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 AT THE ENTRANCE OF THE BASE.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 4 INCHES. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED. NONMETALLIC CONDUIT SHALL HAVE BELL END INSTALLED. ALL CONDUIT SHALL BE SLOPED TO PULL BOX.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUIT 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 OF CABLE OR WIRE.

ENDS OF CONDUIT INSTALLED BELOW GRADE FOR FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC.

WHEN REQUIRED TO CONNECT NONMETALLIC 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).

THE EQUIPMENT GROUNDING CONDUCTOR SHALL ENTER THE BASE 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.

WELDING OF THE ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TEMPLATES SHALL BE USED.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).

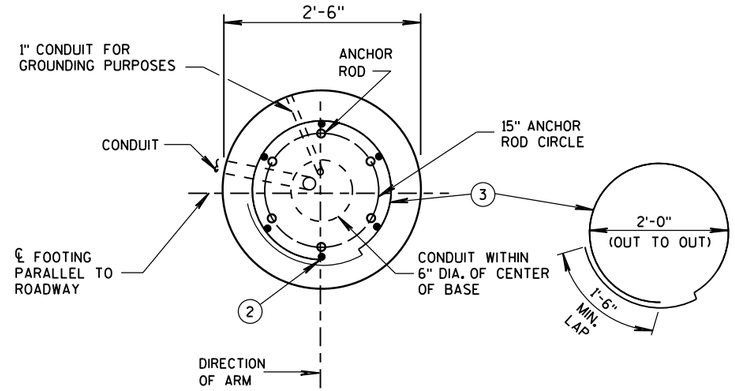
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

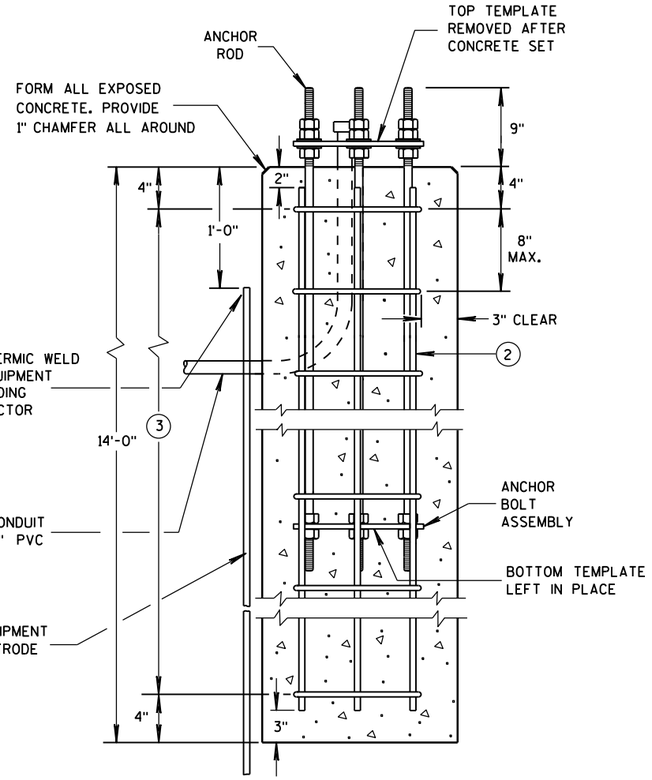
(1) THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES. (GREATER THAN 36 INCHES IF INSTALLED IN BREAKER-RUN), EXCEPT WITH WRITTEN APPROVAL BY THE ENGINEER.

(2) (6) NO. 6 X 13'-7" BAR STEEL REINFORCEMENT.

(3) (21) NO. 5 X 7'-10" BAR STEEL REINFORCEMENT @ 8" MAX. C-C.

CONCRETE MASONRY	fc=3,500 p.s.i.
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60	fy=60,000 p.s.i.
ANCHOR RODS, ASTM F1554 GRADE 55 (IN ACCORDANCE WITH SECTION 531.2.2 OF THE STANDARD SPECIFICATION)	fy=55,000 p.s.i.
TEMPLATES, ASTM, A709 GRADE 36	fy=36,000 p.s.i.

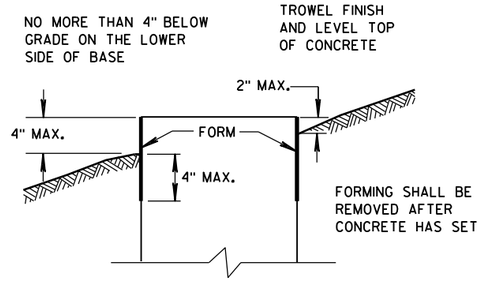




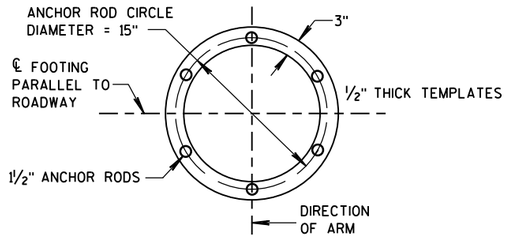
CONCRETE BASE TYPE 10

(FOR TYPE 9 & 10 & OVER HEIGHT (OH) POLES)

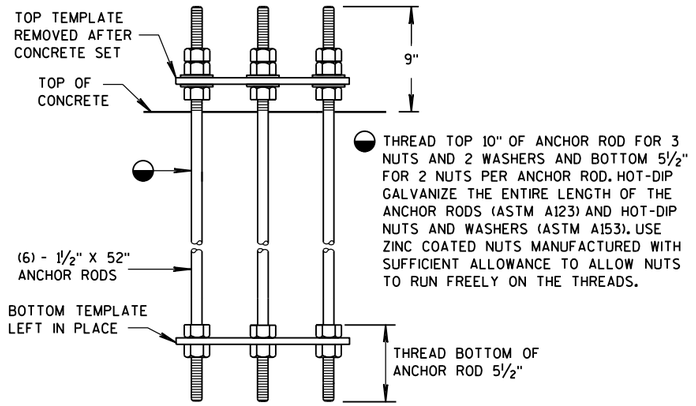
TO BE USED WHEN GROUND ELEVATION AT BASE EQUALS OR IS GREATER THAN HIGH POINT OF ROADWAY ELEVATION. SEE S.D.D. 9C13-2 WHEN GROUND ELEVATION AT BASE IS LOWER THAN HIGH POINT OF ROADWAY ELEVATION.



FORMING DETAIL



TOP AND BOTTOM TEMPLATES



ANCHOR BOLT ASSEMBLY DETAIL

CONCRETE BASE TYPE 10 ANCHOR ASSEMBLY

QUANTITY REQUIREMENTS	
APPROX. CUBIC YARDS OF CONCRETE	2.5
LBS. OF HOOP BAR STEEL	172
LBS. OF VERTICAL BAR STEEL	122

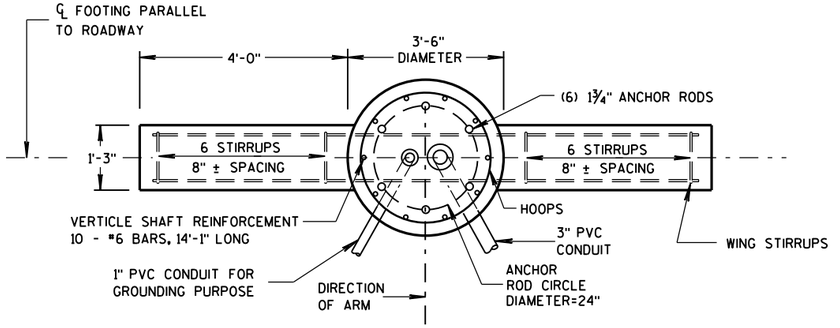
CONCRETE BASE TYPE 10

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

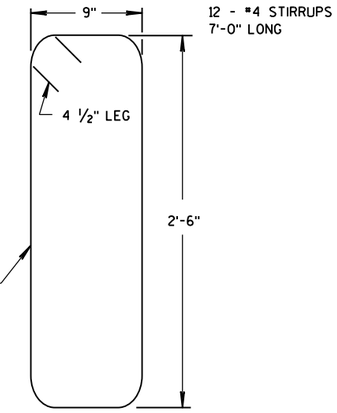
APPROVED
May 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6

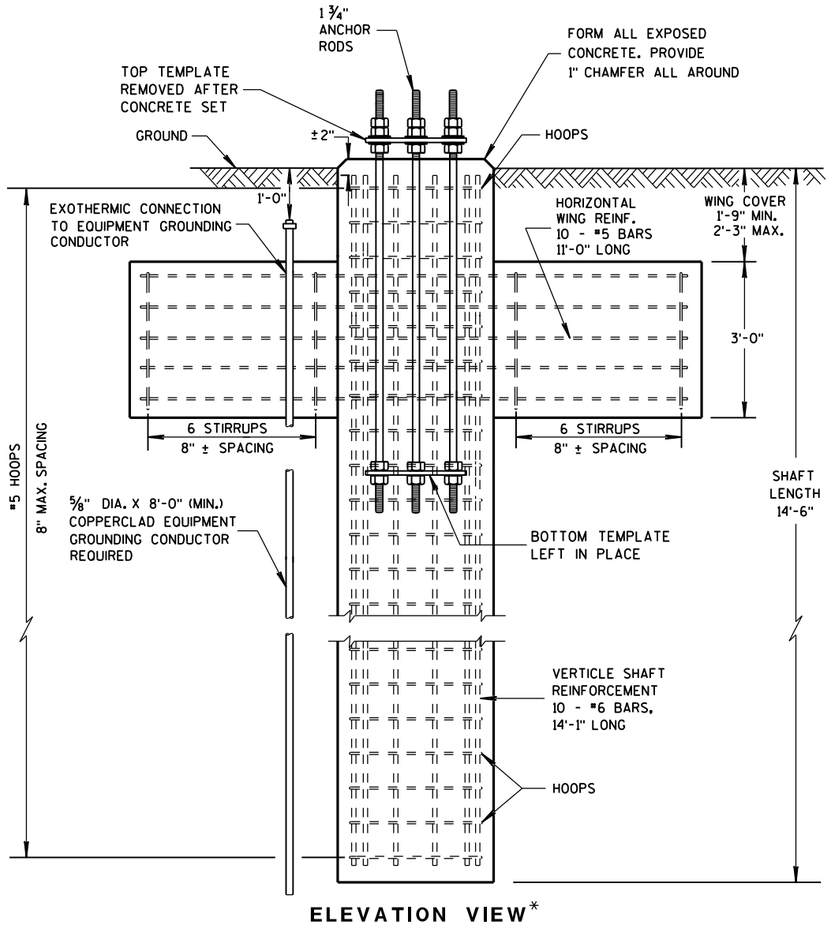
S.D.D. 9 C 11-10



PLAN VIEW

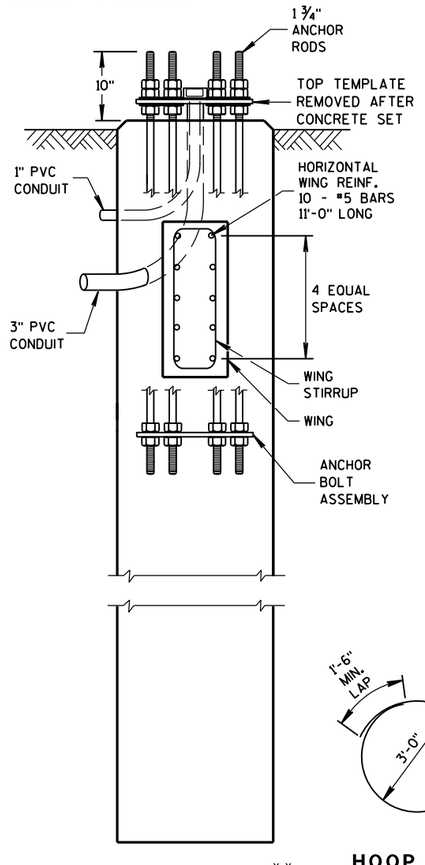


WING STIRRUP



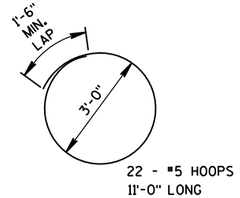
ELEVATION VIEW*

* CONDUITS ARE NOT SHOWN ON THIS VIEW FOR CLARITY



SIDE VIEW**

** HOOPS AND VERTICAL SHAFT REINFORCEMENT NOT SHOWN ON THIS VIEW FOR CLARITY



HOOP DETAIL

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

ORIENT ANCHOR RODS IN FOOTING AND PROVIDE ANCHOR ROD PROJECTION ABOVE TOP OF CONCRETE FOOTING BASE PER THIS SHEET.

BENDING DIMENSIONS FOR REINFORCING BARS ARE OUT TO OUT.

USE 3" CLEAR FOR ALL REINFORCEMENT UNLESS NOTED OTHERWISE.

THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF THE UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.

WELDING OF ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TEMPLATES SHALL BE USED.

BASES (SHAFT), BELOW THE WING, SHALL BE EXCAVATED BY THE USE OF A CIRCULAR AUGER. IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE SOIL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUNG THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

TOP SURFACE OF THE CONCRETE BASE SHALL BE TROWEL FINISHED AND LEVEL.

CONDUIT SIZE AND LOCATIONS SHALL BE AS SHOWN ON THE PLANS.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASE SHALL BE 4½" INCHES. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED. NONMETALLIC CONDUIT SHALL HAVE BELL ENDS INSTALLED. ALL CONDUIT SHALL SLOPE TO PULL BOX.

ALL CONDUIT ENDS AT THE TOP OF THE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION OF CABLE OR WIRE.

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTOR FITTINGS, UL LISTED FOR ELECTRICAL USE, SHALL BE USED.

A NO. 4 AWG, STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD).

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER THE BASE 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.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS.

THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVEL 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, (GREATER THAN 36-INCHES IF INSTALLED IN BREAKER-RUN), EXCEPT WITH THE WRITTEN APPROVAL OF THE ENGINEER.

ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

CONCRETE MASONRY	fc=3,500 p.s.i.
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60	fy=60,000 p.s.i.
ANCHOR RODS, ASTM F1554 GRADE 55 (IN ACCORDANCE WITH SECTION 531.2.2 OF THE STANDARD SPECIFICATIONS	fy=55,000 p.s.i.
TEMPLATES, ASTM A709 GRADE 36	fy=36,000 p.s.i.

(FOR TYPE 12 & 13 & OVER HEIGHT (OH) POLES)

CONCRETE = 6.3 C.Y.
H.S. REINFORCEMENT = 635 LBS.

TO BE USED WHEN GROUND ELEVATION AT BASE EQUALS OR IS GREATER THAN HIGH POINT OF ROADWAY ELEVATION.
SEE S.D.D. 9C13-2 WHEN GROUND ELEVATION AT BASE IS LOWER THAN HIGH POINT OF ROADWAY ELEVATION.

CONCRETE BASE TYPE 13

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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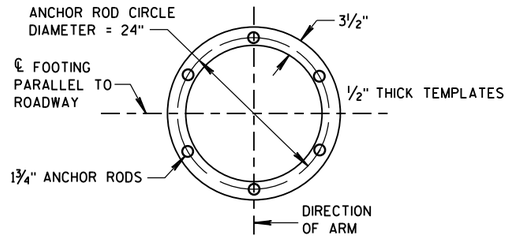
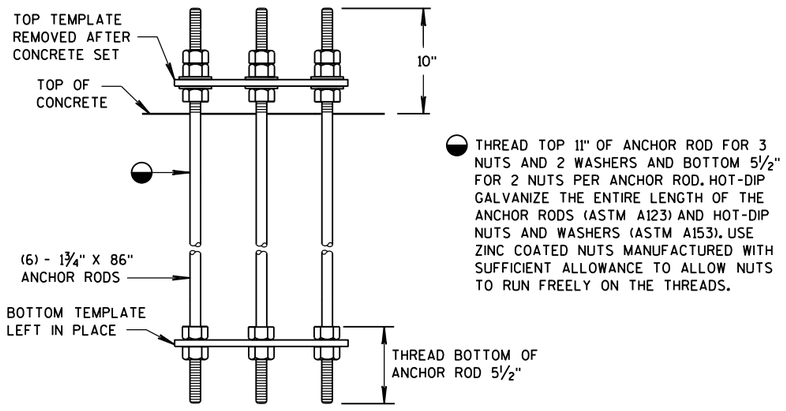
S.D.D. 9 C 12-9a

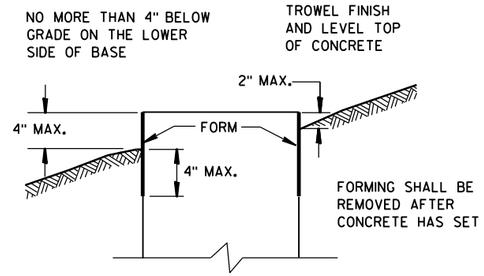


TOP AND BOTTOM TEMPLATES



ANCHOR BOLT ASSEMBLY DETAIL

CONCRETE BASE TYPE 13 ANCHOR ASSEMBLY



FORMING DETAIL

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S.D.D. 9 C 12-9b

S.D.D. 9 C 12-9b

CONCRETE BASE TYPE 13

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

THE CONTRACTOR IS RESPONSIBLE FOR MAKING THEIR OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.

BASES (SHAFT) SHALL BE EXCAVATED BY THE USE OF A CIRCULAR AUGER. IF BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE SOIL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING. A STEEL CASING OR CORRUGATED METAL PIPE IS ALLOWED TO REMAIN. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BASE IN LAYERS OF ONE FOOT OR LESS.

TOP SURFACE OF THE CONCRETE BASE SHALL BE TROWEL FINISHED AND LEVEL.

ANY DAMAGE TO THE CONCRETE BASE AND ANCHOR RODS DURING CONSTRUCTION OPERATIONS SHALL BE REPAIRED AT THE ENGINEER'S DIRECTION, AT THE EXPENSE OF THE CONTRACTOR.

THE REINFORCEMENT AND ANCHOR RODS SHALL BE ADEQUATELY SUPPORTED IN THE PROPER POSITIONS SO NO MOVEMENT OCCURS DURING CONCRETE PLACEMENT.

ORIENT ANCHOR RODS IN FOOTING AND PROVIDE ANCHOR RODS STICK OUT ABOVE TOP OF CONCRETE FOOTING BASE PER THIS SHEET.

ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).

BENDING DIMENSIONS FOR REINFORCING BARS ARE OUT TO OUT.

WELDING OF ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TEMPLATES SHALL BE USED.

USE 3" CLEAR FOR ALL REINFORCEMENT UNLESS NOTED OTHERWISE.

FORM ALL EXPOSED CONCRETE CORNERS WITH 1" CHAMFER ALL AROUND. TOP OF THE CONCRETE BASE SHALL BE TROWEL FINISHED AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE SHOWN ON THE PLANS.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 TIMES THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 4 ½" INCHES. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED. NON-METALLIC CONDUIT SHALL HAVE BELL ENDS INSTALLED. ALL CONDUIT SHALL SLOPE TO PULL BOX.

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 OF CABLE OR WIRE.

WHEN REQUIRED TO CONNECT NON-METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

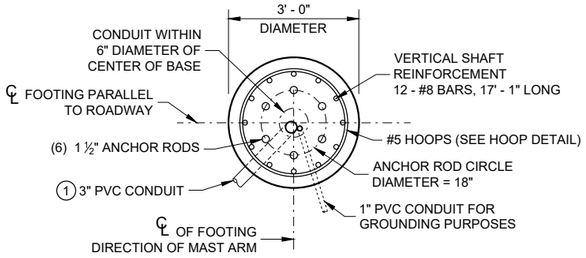
A NO. 4 AWG STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD).

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER THE BASE 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.

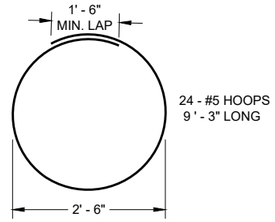
THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN A THE ENTRANCE OF THE BASE.

(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 (GREATER THAN 36 INCHES IF INSTALLED IN BREAKER RUN) EXCEPT WITH WRITTEN APPROVAL OF THE ENGINEER.

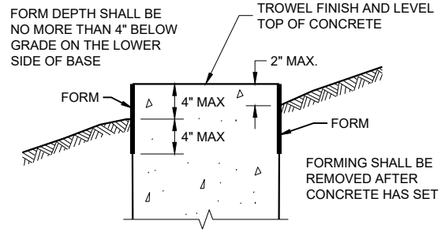
CONCRETE MASONRY.....fc = 3,500 p.s.i
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60.....fy = 60,000 p.s.i.
ANCHOR RODS, ASTM F1554 GRADE 55 (IN ACCORDANCE WITH SECTION 531.2.2 OF THE STANDARD SPECIFICATION).....fy = 55,000 p.s.i.
TEMPLATES, ASTM A709, GRADE 36.....fy = 36,000 p.s.i.



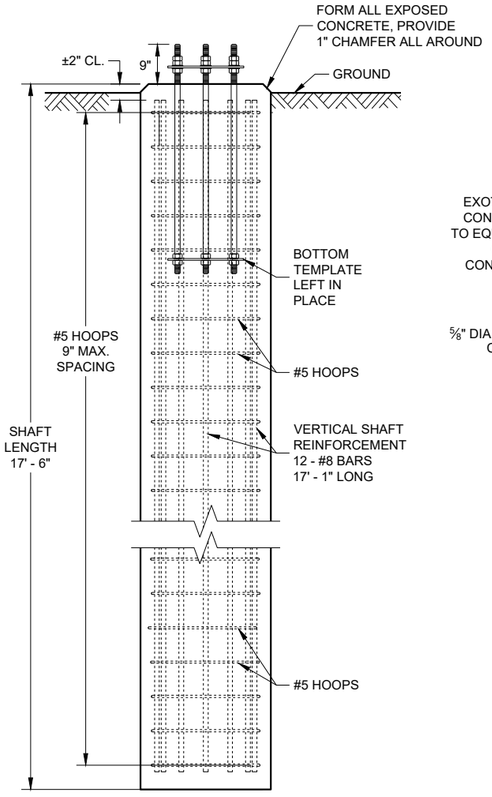
PLAN VIEW



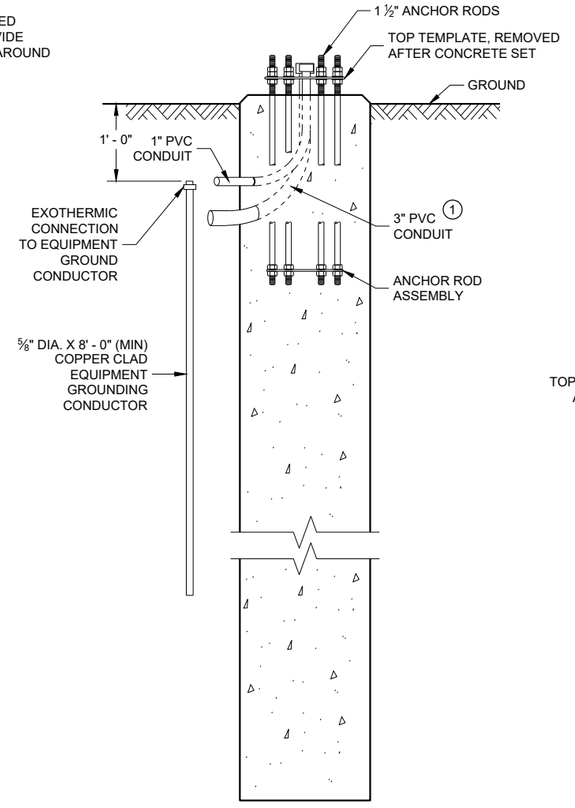
HOOP DETAIL



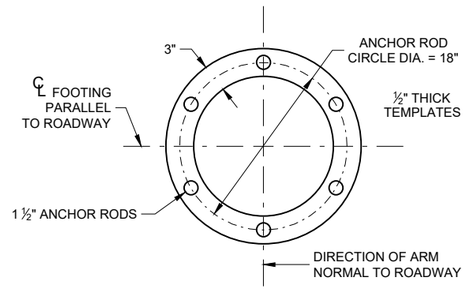
FORMING DETAIL



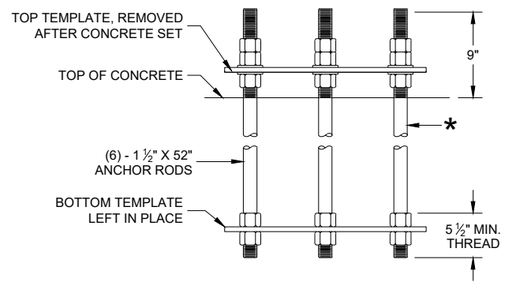
ELEVATION VIEW
(CONDUITS NOT SHOWN ON THIS VIEW FOR CLARITY)



SIDE VIEW
(HOOPS AND VERTICAL SHAFT REINFORCEMENT NOT SHOWN ON THIS VIEW FOR CLARITY)



TOP AND BOTTOM TEMPLATE



ANCHOR ROD ASSEMBLY DETAILS

* THREAD TOP 10" OF ANCHOR ROD FOR 3 NUTS AND 2 WASHERS AND BOTTOM 5 ½" FOR 2 NUTS PER ANCHOR ROD. HOT DIP GALVANIZE THE ENTIRE LENGTH OF THE ANCHOR ROD (ASTM A123) AND HOT DIP NUTS AND WASHERS (ASTM A153. USE ZINC COATED NUTS MANUFACTURED WITH SUFFICIENT ALLOWANCE TO ALLOW NUTS TO RUN FREELY ON THE THREADS.

CONCRETE BASE, TYPE 10 SPECIAL
(FOR TYPE 9 SPECIAL AND TYPE 10 SPECIAL POLES)

CONCRETE = 4.6 CUBIC YARD
H.S. REINFORCEMENT = 779 LBS.

FOR USE WHEN GROUND ELEVATION AT BASE EQUALS OR IS GREATER THAN HIGH POINT OF ROADWAY ELEVATION.

CONCRETE BASE TYPE 10 SPECIAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020 — DATE
/S/ Alex Crabtree — WIND LOADED STRUCTU PROGRAM LEADER
FHWA

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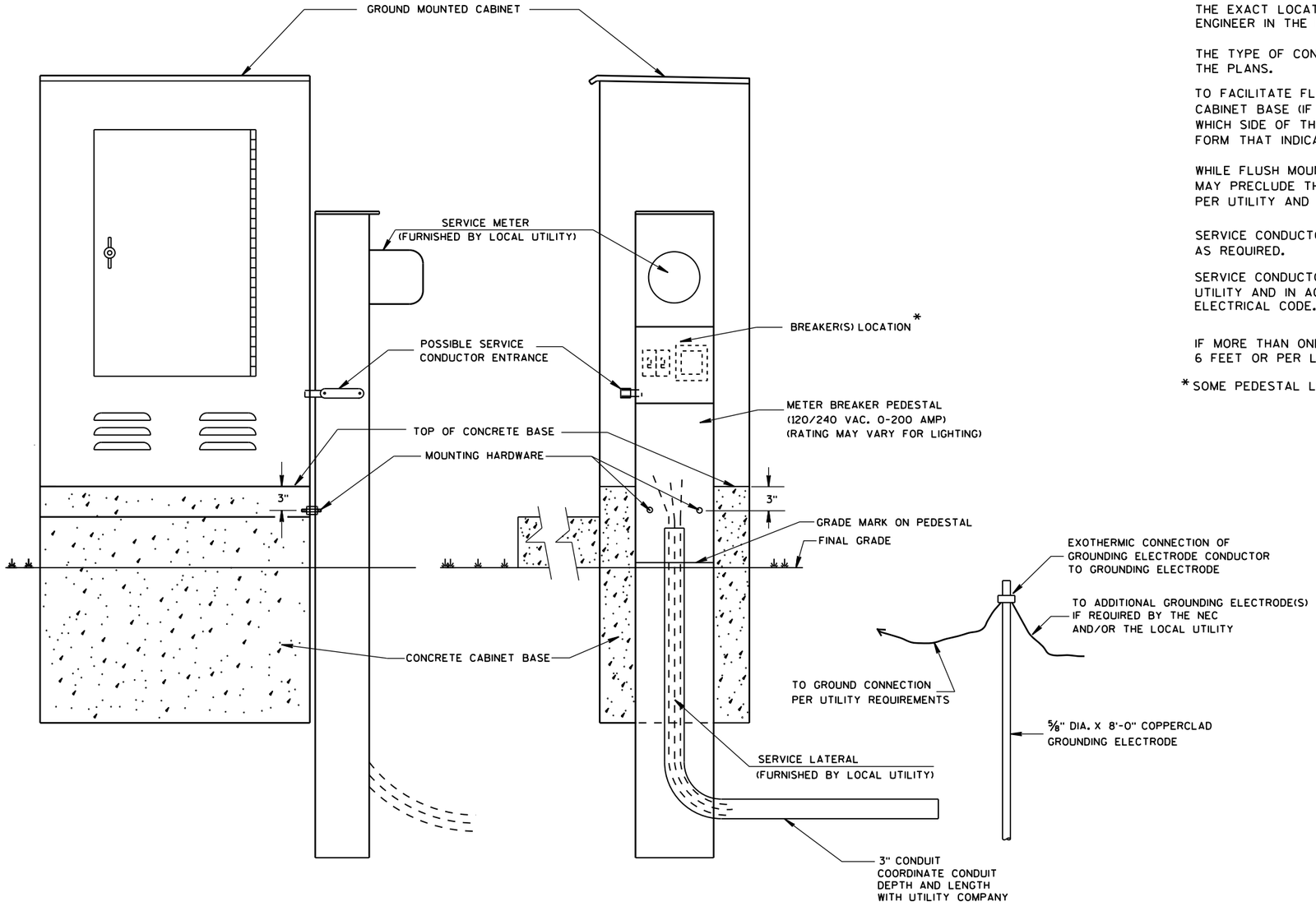
SDD 09C15 - 01



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

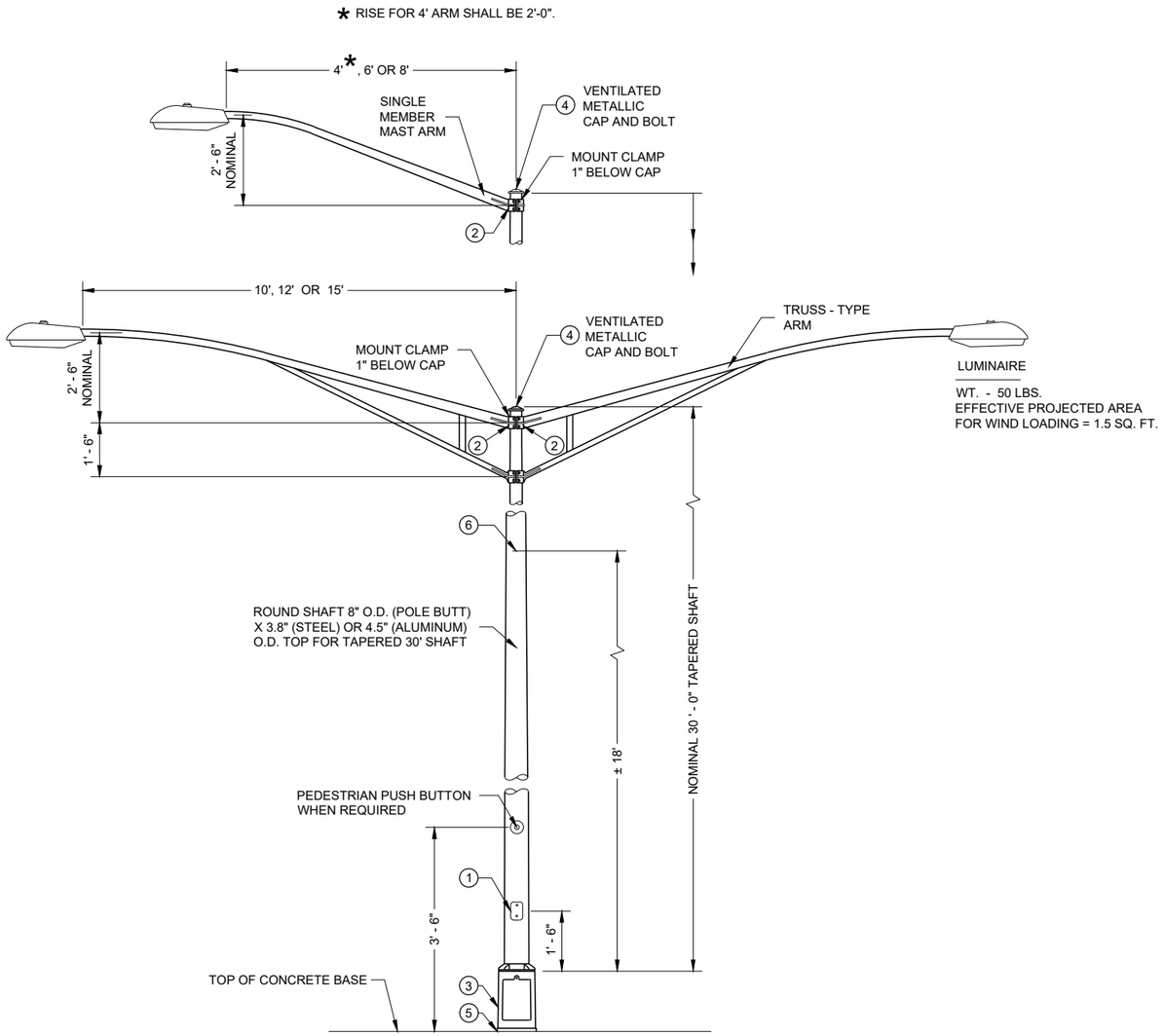
CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL

FHWA



TYPE 5 POLE MOUNTING CONFIGURATION
(MAXIMUM LOAD)
LIGHTING ONLY

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

SECTION 657, POLES, OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

ALL TYPE 5 POLE MOUNTINGS SHALL BE DESIGNED TO INCLUDE TWIN 15' ARMS WITH LUMINAIRES.

POLES SHALL BE GALVANIZED STEEL OR ALUMINUM, AS CALLED FOR IN THE CONTRACT.

TYPE 5 ALUMINUM POLES SHALL BE CONSTRUCTED OF 6063 - T6 ALUMINUM ALLOY. SLEEVING INSIDE THE POLE IS NOT ACCEPTABLE.

TYPE 5 ALUMINUM POLES SHALL HAVE A MINIMUM WALL THICKNESS OF 0.1888".

TYPE 5 STEEL POLES SHALL HAVE A MINIMUM WALL THICKNESS OF U.S. STANDARD 11 GAGE (0.1196").

THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 2 ⅜ INCHES IN OUTSIDE DIAMETER. THE STRAIGHT PORTION OF THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 12 INCHES IN LENGTH.

WHEN TRANSFORMER BASES ARE USED, WIRE CONNECTIONS SHALL BE MADE IN THE TRANSFORMER BASE.

(1) 4" X 6" REINFORCED HANDHOLE AND COVER ASSEMBLY WITH TWO (2) ¼" X ¾" - 20 TPI , STAINLESS STEEL, HEX HEAD BOLTS.

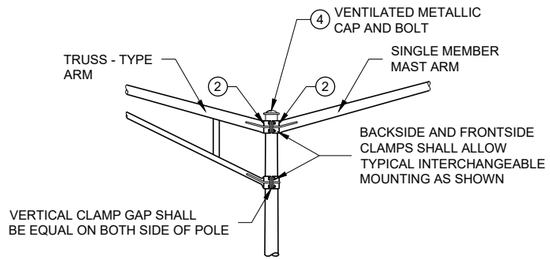
(2) GROMMETS. 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1 ⅜" HOLE IN POLE SHAFT FOR WIRING.

(3) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED.

(4) FURNISH AND INSTALL VENTILATED, CAST METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

(5) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND POLE.

(6) INTERNAL DUMBBELL - TYPE VIBRATION DAMPER.



INTERCHANGEABLE MOUNTING DETAIL

POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 5 (30 FEET)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

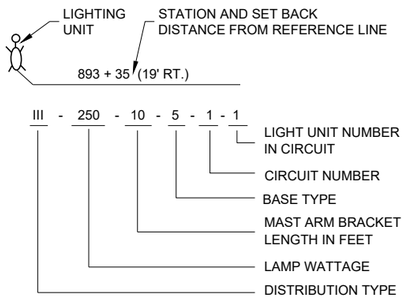
SDD 09E01 - 15d

GENERAL NOTES

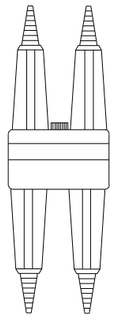
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

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.

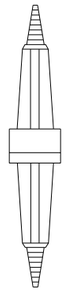
WHEN TRANSFORMER BASES ARE USED, ALL WIRING CONNECTIONS SHALL OCCUR WITHIN THE TRANSFORMER BASES.



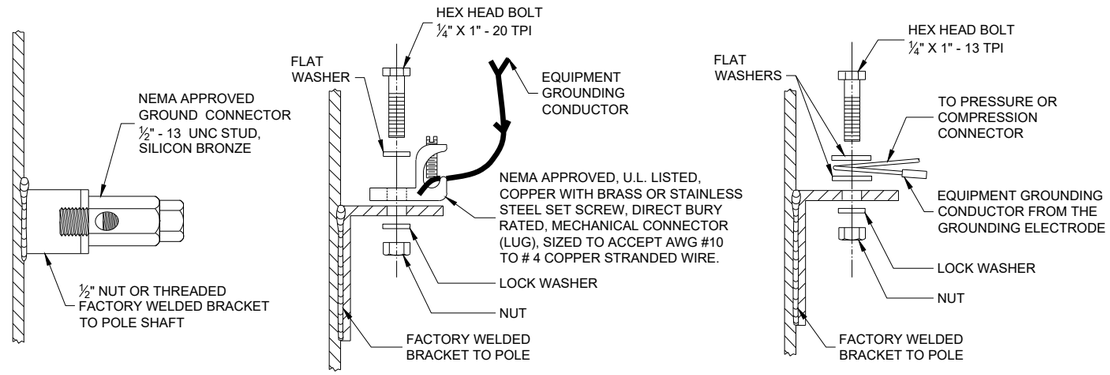
LIGHTING UNIT CODE
(TYPICAL)



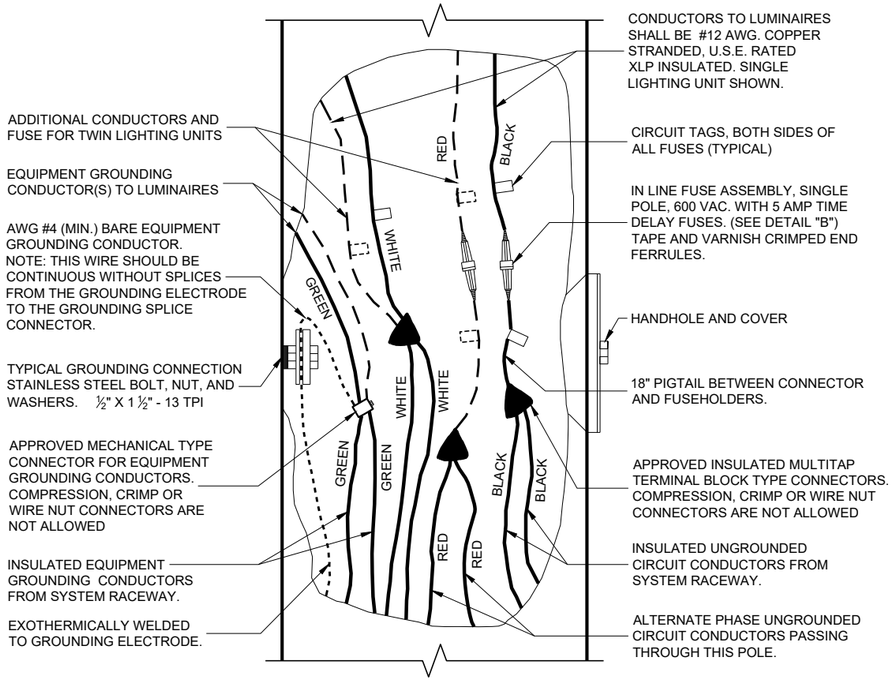
DETAIL "A"
BREAKAWAY DOUBLE POLE WITH WATERPROOF INSULATING BOOT



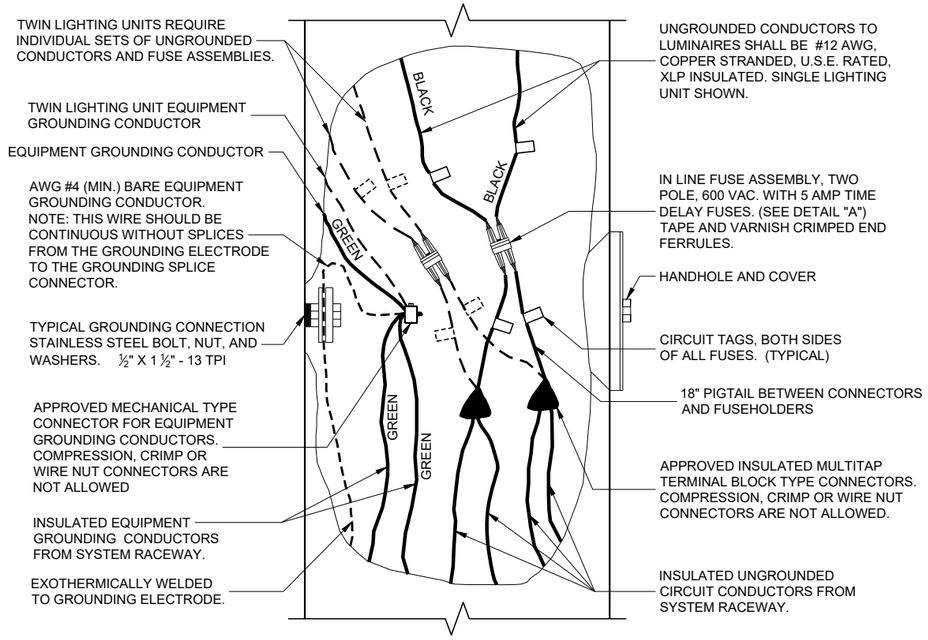
DETAIL "B"
BREAKAWAY SINGLE POLE WITH WATERPROOF INSULATING BOOT



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 354

FHWA

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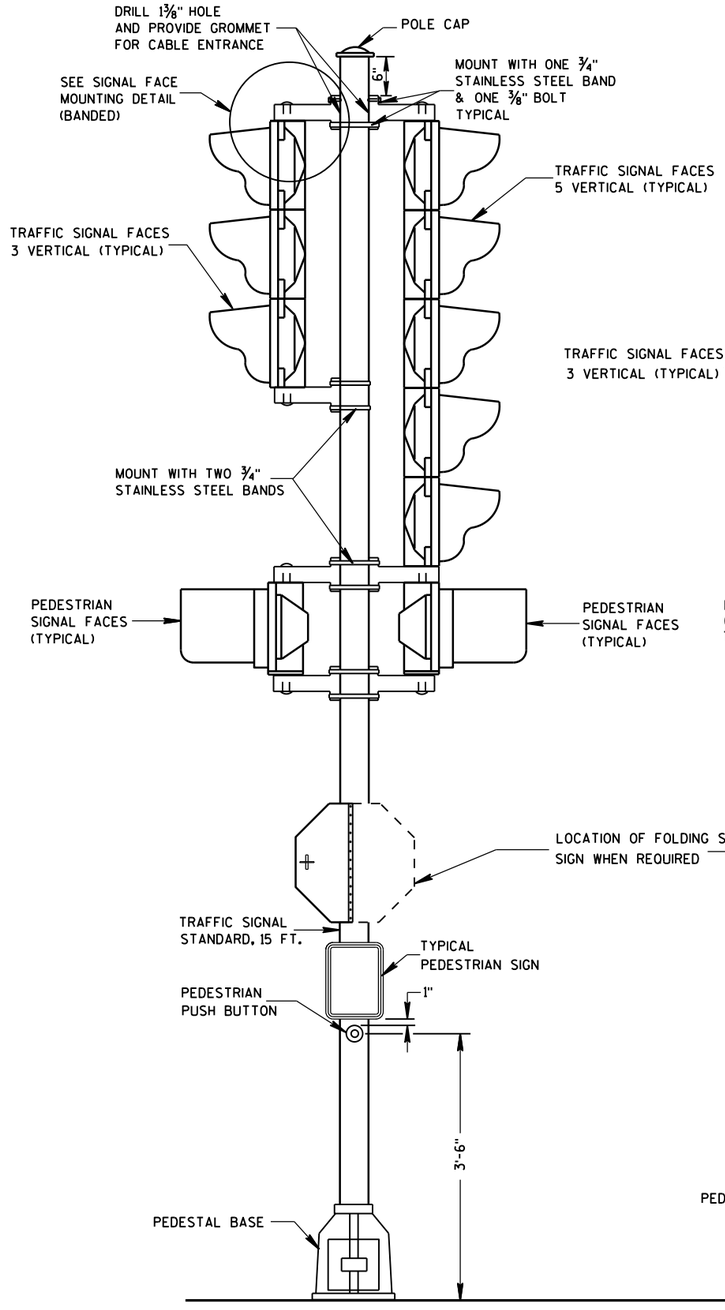
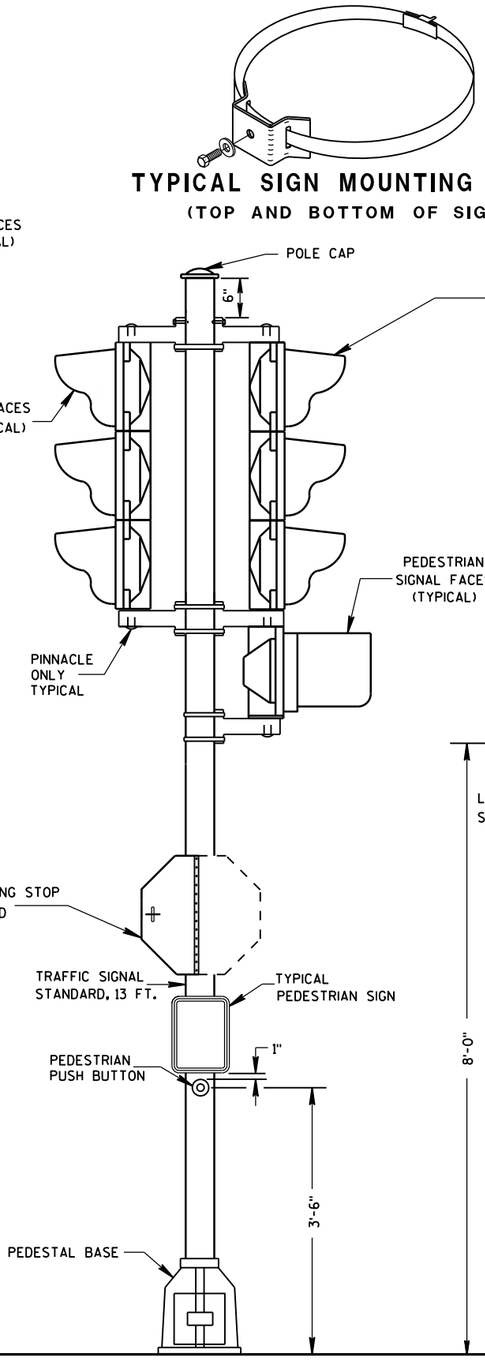
SDD 09E03 - 06

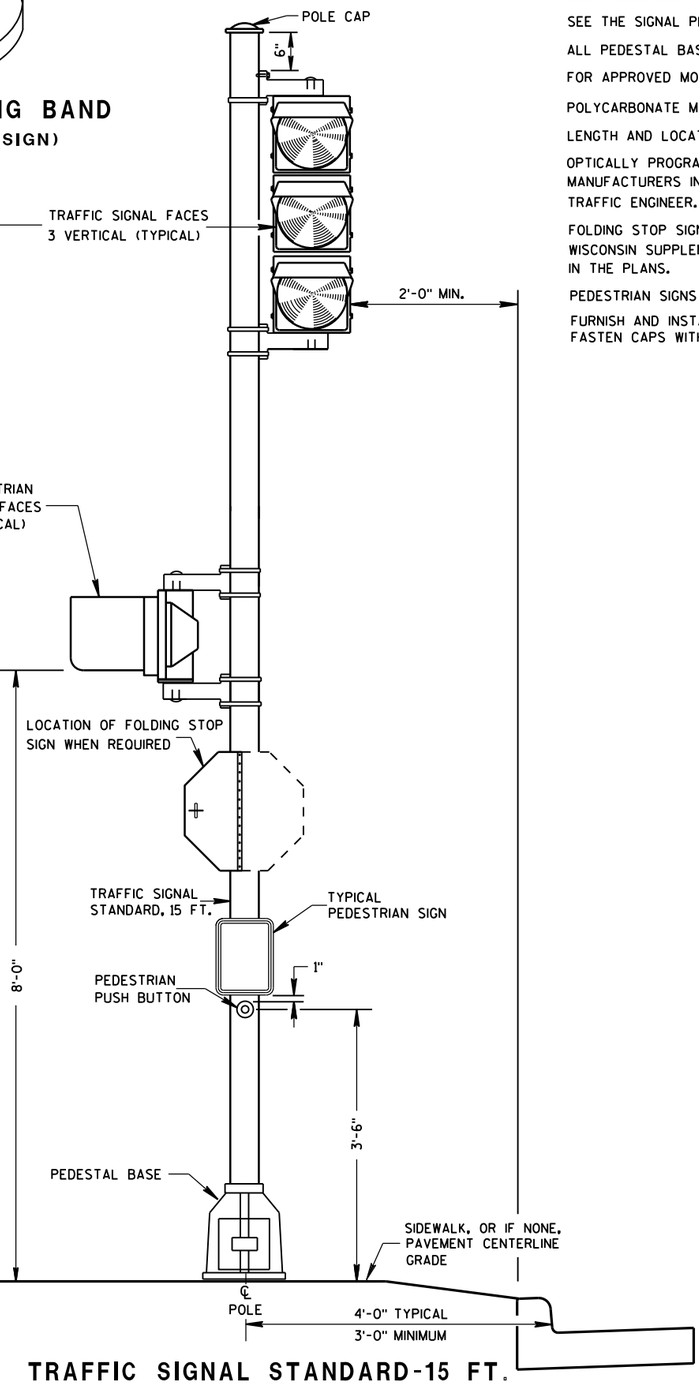


TRAFFIC SIGNAL STANDARD-15 FT.



TRAFFIC SIGNAL STANDARD-13 FT.

TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)



TRAFFIC SIGNAL STANDARD-15 FT.
3M MOUNTING (TYPICAL)

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

SEE THE SIGNAL PLAN FOR REQUIRED SIGNAL FACE SIZES.

ALL PEDESTAL BASES SHALL BE MOUNTED ON CONCRETE BASE - TYPE 1.

FOR APPROVED MOUNTING HARDWARE, SEE THE CONTRACT SPECIAL PROVISIONS.

POLYCARBONATE MOUNTING BRACKETS SHALL BE USED.

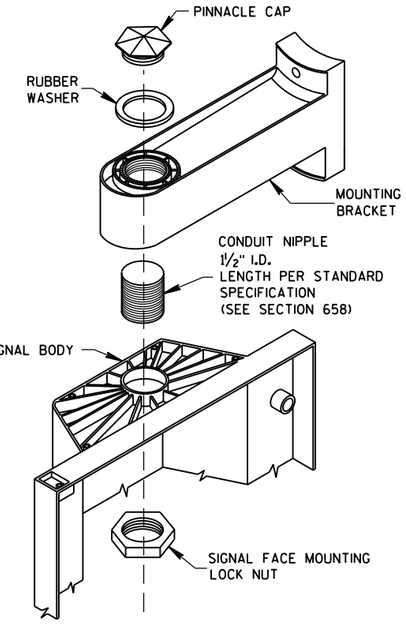
LENGTH AND LOCATION OF TRAFFIC SIGNAL STANDARDS SHALL BE AS SHOWN ON THE PLANS.

OPTICALLY PROGRAMMED SIGNAL FACES SHALL BE MASKED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS, AND UNDER THE DIRECTIONS OF THE REGION TRAFFIC ENGINEER.

FOLDING STOP SIGNS SHALL BE IN ACCORDANCE WITH THE MUTCD AND/OR THE LATEST WISCONSIN SUPPLEMENT. THE SIGNS SHALL BE SIZED AND LOCATED AS CALLED FOR IN IN THE PLANS.

PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.



SIGNAL FACE MOUNTING DETAIL
(BANDED)

TRAFFIC SIGNAL STANDARD
POLY BRACKET MOUNTINGS
(TYPICAL) 13 FT. OR 15 FT.

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
2/28/2013
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL 355

FHWA

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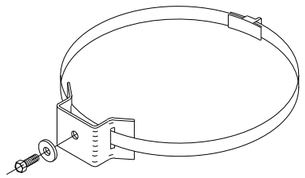
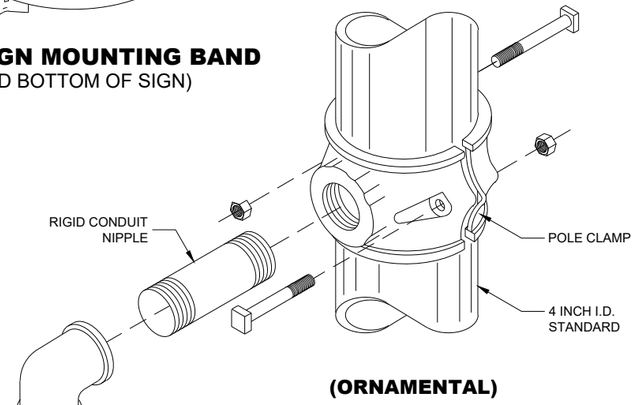
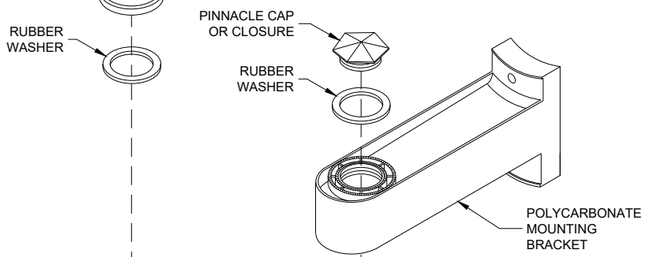


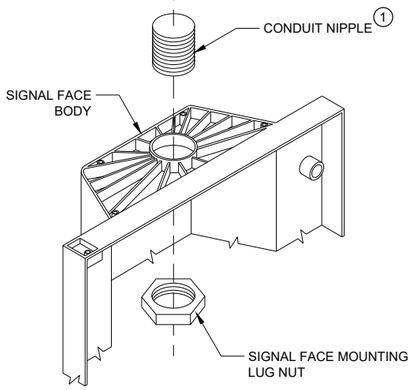
TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)



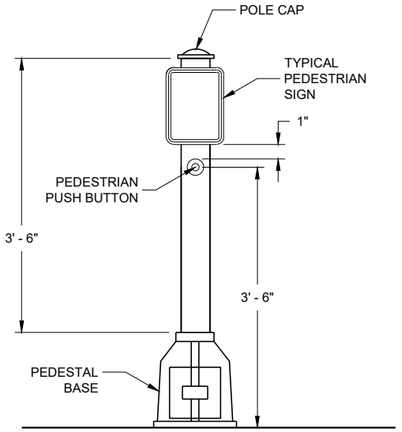
(ORNAMENTAL)



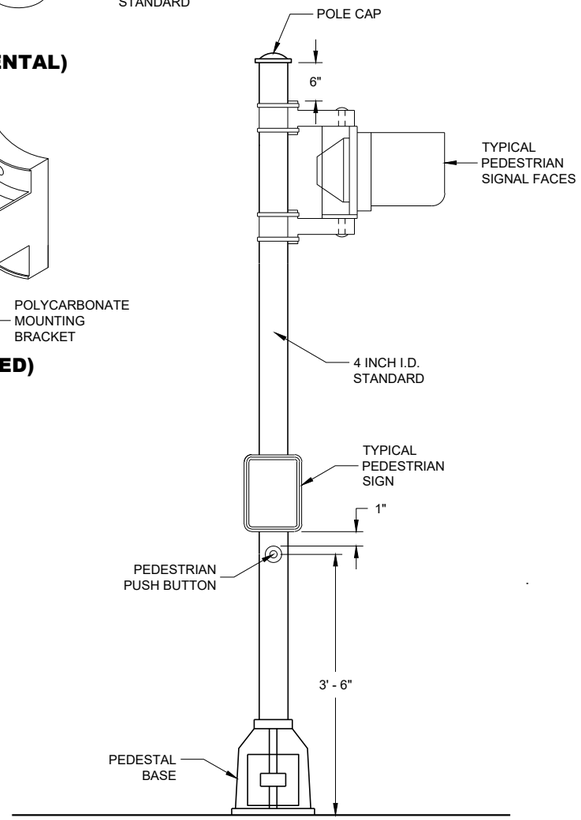
(BANDED)



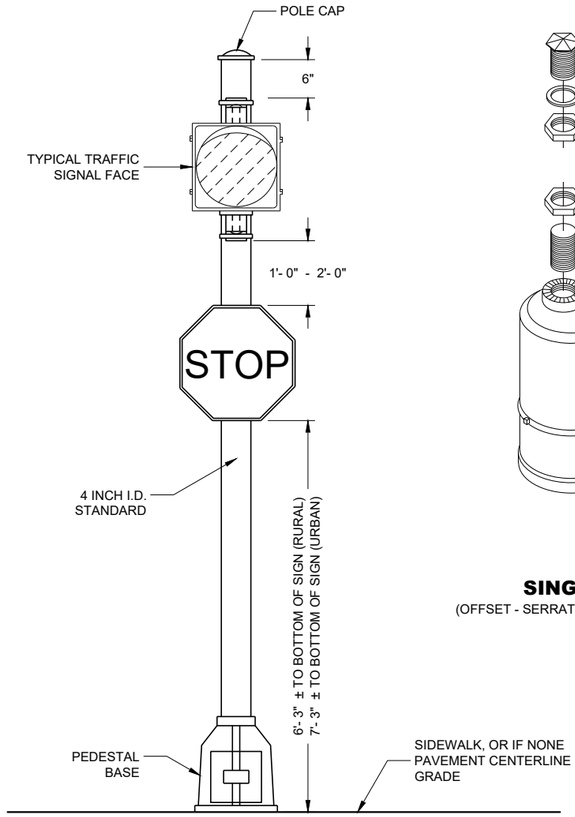
SIGNAL FACE MOUNTING DETAILS



PEDESTRIAN PUSH BUTTON TYPICAL MOUNTING



PEDESTRIAN FACE STANDARD - 10 FT.
(WALK - DON'T WALK)



STANDARD FLASHER
10 FOOT, 13 FOOT OR 15 FOOT AS REQUIRED

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

SEE THE SIGNAL PLAN FOR REQUIRED SIGNAL FACE SIZES.

LOCATIONS SHALL BE AS SHOWN ON THE PLANS, UNLESS APPROVED BY THE ENGINEER IN THE FIELD.

ALL PEDESTAL BASES SHALL BE MOUNTED ON CONCRETE BASE - TYPE 1.

FOR APPROVED MOUNTING HARDWARE, SEE THE CONTRACT SPECIFICATIONS.

POLYCARBONATE SIGNAL FACE MOUNTING BRACKETS SHALL BE USED UNLESS ORNAMENTAL POLE CLAMPS ARE SPECIFIED.

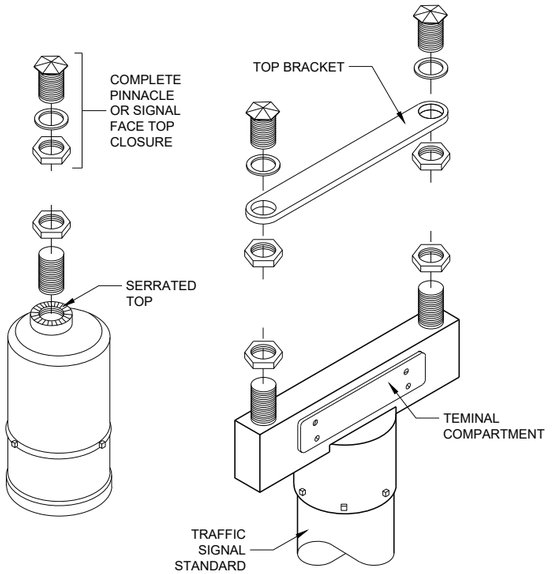
LENGTH OF TRAFFIC STANDARDS SHALL BE AS SHOWN ON THE PLANS.

MOUNTINGS AND BRACKETS SHALL BE AS SHOWN ON THE PLANS OR DESCRIBED IN THE SPECIAL PROVISIONS (BY THE REGION TRAFFIC ENGINEER).

PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

(1) USE 1 ½" ID NIPPLES ZINC-COATED RIGID METAL CONDUIT, LONG ENOUGH TO ACCOMMODATE FULL DEPTH THREADING INTO THE HEAD MOUNTING LOCK NUT IN ORDER TO TIGHTEN THE FACE, BUT THAT DO NOT INTERFERE WITH REFLECTOR CLOSURE. THREAD THE NIPPLE INTO THE MOUNTING BRACKET/ELBOW UNTIL TIGHT. USE APPROVED PINNACLE TYPE HARDWARE FROM A DEPARTMENT APPROVED MANUFACTURER TO CLOSE THE UNUSED 1 ½" OPENING IN SIGNAL FACESAND BRACKET ENDS.



SINGLE
(OFFSET - SERRATED MOUNTING)

DOUBLE
(SERRATED MOUNTING)

SLIPFITTERS

TRAFFIC SIGNAL STANDARD PEDESTRIAN AND FLASHER TYPICAL MOUNTING DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 356

FHWA

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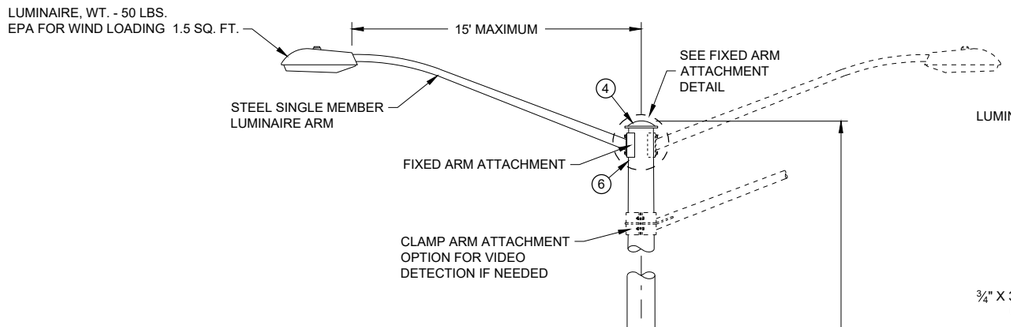
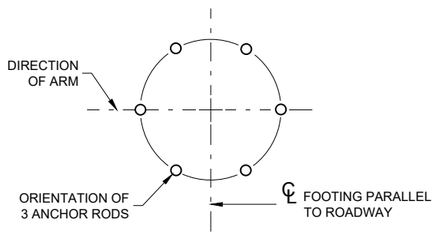
SDD 09E07 - 06

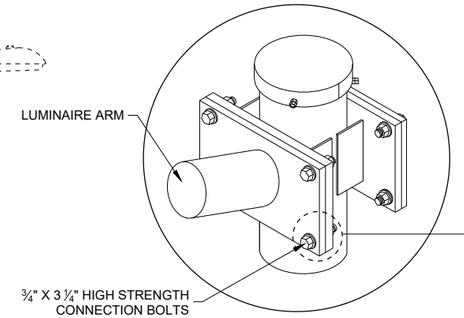


* DIMENSIONS SHOWN ARE FOR POLE/ARM DESIGN ONLY, NOT FOR FIELD LOCATION. THESE DIMENSIONS SHALL NOT BE DECREASED.

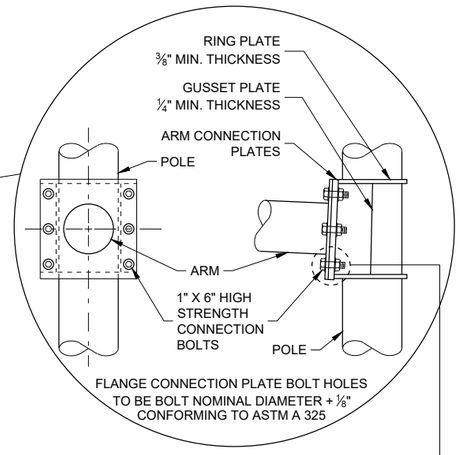
** SIGNALS MAY BE ADJUSTED ±1' - 0" MAXIMUM TO ACCOMMODATE FOR VERTICAL CLEARANCE



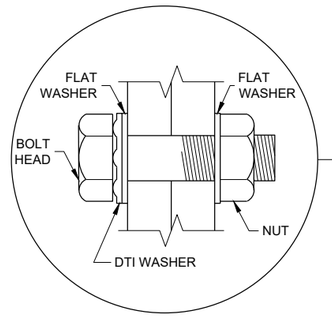
ANCHOR ROD LOCATION



FIXED ARM ATTACHMENT DETAIL



6 BOLT ARM CONNECTION DETAIL



RECOMMENDED BOLT ASSEMBLY DETAIL

TYPE 10 POLE
15' - 30' MONOTUBE ARM
(MAXIMUM LOAD)

TYPE 10 POLE
15' - 30' MONOTUBE ARM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 357

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SDD 09E08 - 09e

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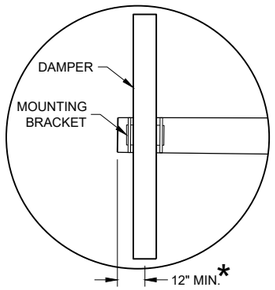
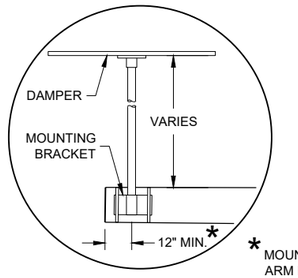
SDD 09E08 - 09e

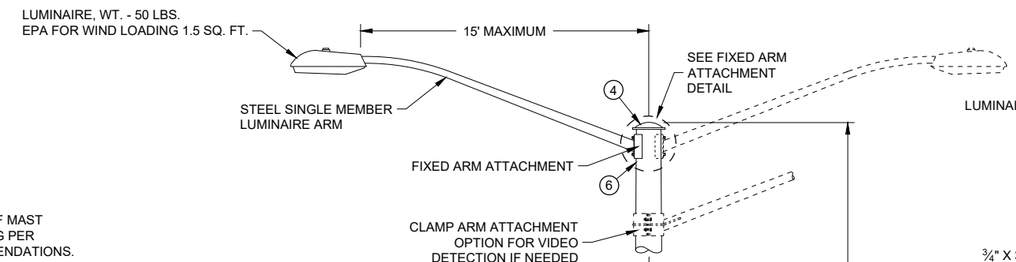


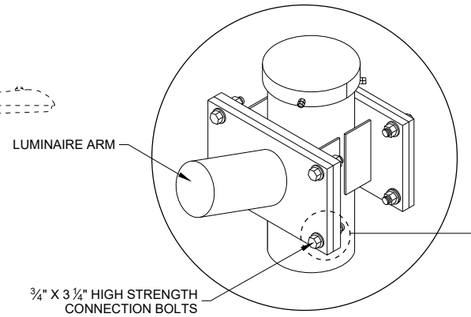
DUMBBELL VIBRATION DAMPER



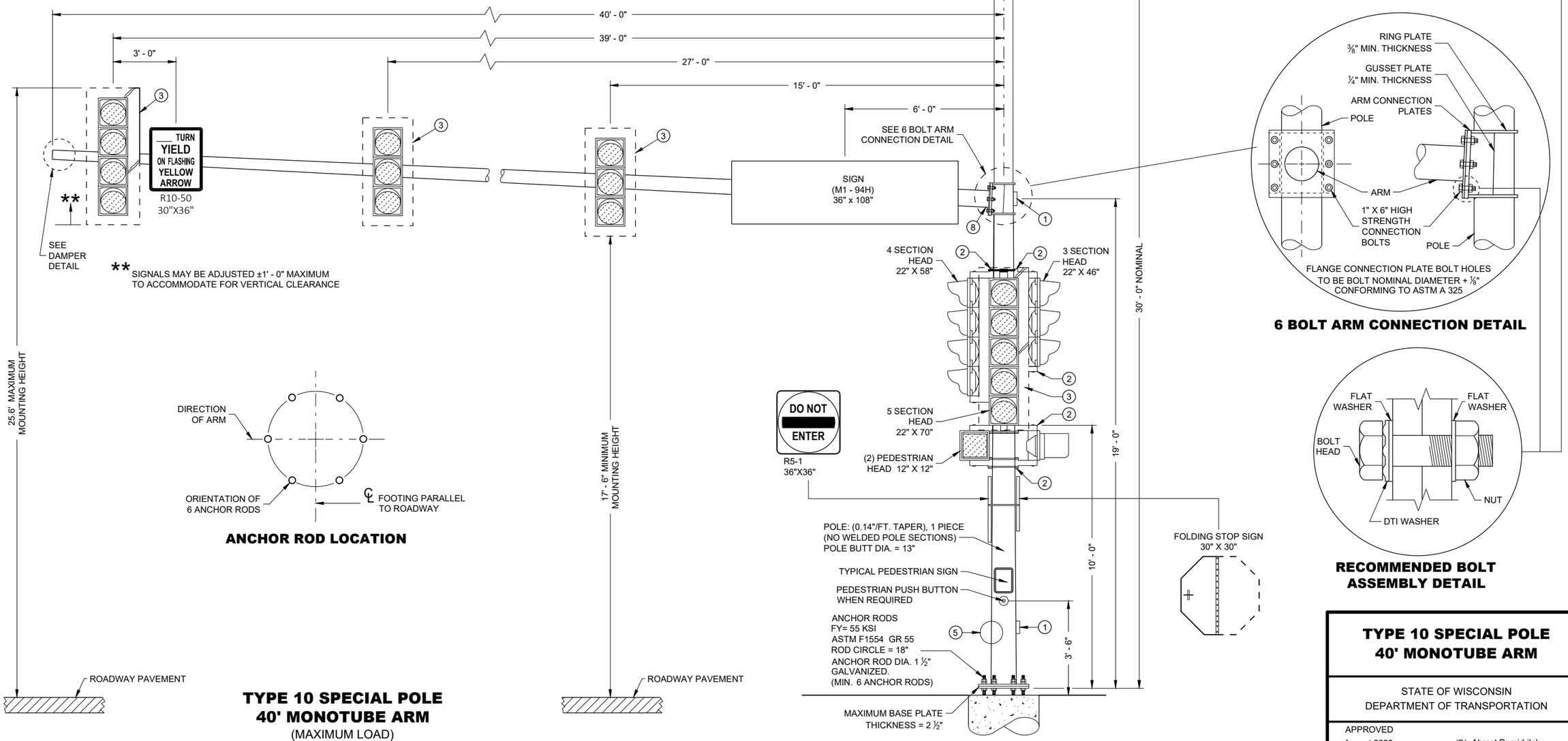
FLAT VIBRATION DAMPER

* MOUNT AS CLOSE TO END OF MAST ARM FOR MAXIMUM DAMPING PER MANUFACTURER'S RECOMMENDATIONS.





FIXED ARM ATTACHMENT DETAIL



** SIGNALS MAY BE ADJUSTED ±1' - 0" MAXIMUM TO ACCOMMODATE FOR VERTICAL CLEARANCE

ANCHOR ROD LOCATION

TYPE 10 SPECIAL POLE
40' MONOTUBE ARM
(MAXIMUM LOAD)

6 BOLT ARM CONNECTION DETAIL

RECOMMENDED BOLT ASSEMBLY DETAIL

TYPE 10 SPECIAL POLE
40' MONOTUBE ARM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 358

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SDD 09E08 - 09g

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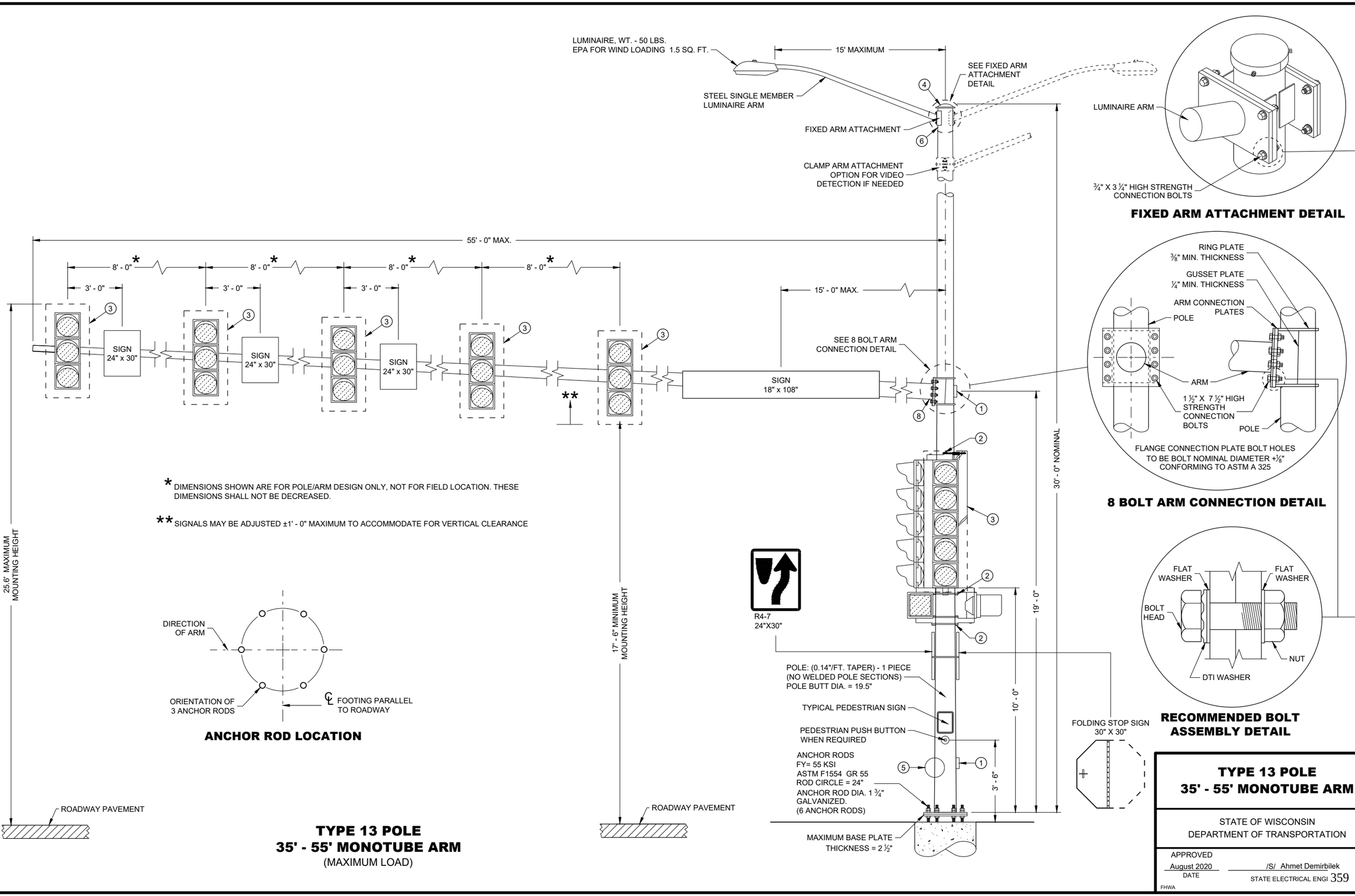

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** SIGNALS MAY BE ADJUSTED ±1' - 0" MAXIMUM TO ACCOMMODATE FOR VERTICAL CLEARANCE

ANCHOR ROD LOCATION

FIXED ARM ATTACHMENT DETAIL

8 BOLT ARM CONNECTION DETAIL

RECOMMENDED BOLT ASSEMBLY DETAIL

TYPE 13 POLE
35' - 55' MONOTUBE ARM
(MAXIMUM LOAD)

TYPE 13 POLE
35' - 55' MONOTUBE ARM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 359

FHWA

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SDD 09E08 - 09j

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

POLE TYPES 9 AND 10 ARE FOR ARM LENGTHS 15 FOOT TO 30 FOOT.

POLE TYPES 9 SPECIAL AND 10 SPECIAL ARE FOR ARM LENGTHS 35 FOOT, 40 FOOT, AND 45 FOOT.

POLE TYPES 12 AND 13 ARE FOR ARM LENGTHS 35 FOOT TO 55 FOOT.

MONOTUBE POLES AND ARMS SHALL BE GALVANIZED STEEL.

RING STIFFENED BUILT UP BOX TYPE OF ATTACHMENT FOR TRAFFIC SIGNAL ARM.

ONE PIECE POLE CONSTRUCTION (NO WELDED POLE SECTIONS).

STANDARD STRAIGHT ARM DESIGN (3% ± RISE).

SECTION 657, POLES OF THE STANDARD SPECIFICATION SHALL APPLY TO THIS DRAWING.

PROVIDE WIREWAY THRU POLE WALL AND ARM CONNECTION PLATES. PROVIDE ROUND, SMOOTH INSIDE SURFACE.

MANUFACTURER'S SUBMITTED POLE DESIGNS AND DRAWINGS SHALL BE SIGNED AND STAMPED BY A REGISTERED PROFESSIONAL ENGINEER AND CERTIFIED AS BEING IN COMPLIANCE WITH THE AASHTO "LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNAL 2015 1ST EDITION (INCLUDING INTERIM REVISIONS)" AND ALL PERTINENT WISDOT SPECIFICATIONS AND DRAWINGS FOR THE LIGHTING STRUCTURES AS FOLLOWS:

CATEGORY III FATIGUE LOADS OF GALLOPING, TRUCK GUSTS (AT 45 MPH VEHICLE VELOCITY) AND NATURAL WIND GUSTS FOR DESIGN OF TYPE 9 AND TYPE 10 STRUCTURES.

CATEGORY II FATIGUE LOADS OF TRUCK GUSTS (AT 45 MPH VEHICLE VELOCITY) AND NATURAL WIND GUSTS FOR DESIGN OF TYPE 9 SPECIAL AND TYPE 10 SPECIAL STRUCTURES. IN LIEU OF DESIGNING FOR GALLOPING, A VIBRATION DAMPER MITIGATION DEVICE IS REQUIRED TO BE SUPPLIED AND INSTALLED AT THE END OF THE MAST ARM.

CATEGORY II FATIGUE FATIGUE LOADS OF GALLOPING, TRUCK GUSTS (AT 45 MPH VEHICLE VELOCITY) AND NATURAL WIND GUSTS FOR DESIGN OF TYPE12 AND TYPE 13 STRUCTURES.

115 MPH (700 YEAR MRI BASIC WIND SPEED).

SECURE THE OPENING BELOW THE BASE PLATE WITH STAINLESS STEEL OR GALVANIZED STEEL MESH AND SECURE THE MESH WITH ¾" STAINLESS STEEL BANDING AROUND THE LEVELING NUTS.

INDENT PRINT (NOMINAL ½" HIGH) THE POLE LENGTH AND FIRST TWO LETTERS OF THE MANUFACTURERS NAME ON TWO SIDES OF THE BASE PLATE 180 DEGREES APART, BEFORE GALVANIZING. THE ARM SHALL BE IDENTIFIED WITH THE SAME INFORMATION BY INDENT PRINT.

SIGNAL FACE SHALL BE MOUNTED 6 INCHES (NOMINAL) FROM THE END OF THE MONOTUBE ARM OR AS SHOWN ON THE PLAN CONSTRUCTION DETAIL OR A S DIRECTED BY THE PROJECT ENGINEER/ELECTRICAL OPERATIONS PERSONNEL. MOUNT ALL LIKE HEAD AT SAME ELEVATION.

SIGN MOUNTING BRACKETS SHALL BE FURNISHED IN ACCORDANCE WITH SECTION 637 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.

(1) DESIGN FOR MAXIMUM ALLOWABLE HAND HOLE WITH COVER ASSEMBLY WITH TWO ¼" X ¾" - 20 TPI STAINLESS STEEL HEX HEAD BOLTS.

(2) SIGNAL MOUNTING BRACKETS FOR POLE MOUNTING, MOUNT WITH CAP SCREW AND BANDING (SEE SPECIFICATION SECTION 658).

(3) SECURELY MOUNT BACK PLATES, PROJECTING 5" BEYOND ALL SIDES OF THE SIGNAL FACE HOUSING, PER MANUFACTURERS RECOMMENDATIONS.

(4) THE TOP OF THE POLE SHAFT AND THE MONOTUBE ARM SHALL BE EQUIPPED WITH A REMOVABLE, VENTILATED CAP HELD SECURELY IN PLACE WITH SET SCREWS.

(5) FACTORY WELDED BRACKET FOR GROUNDING LUG, OPPOSITE HAND HOLD, (LUG AND HARDWARE PAID UNDER SEPARATE ITEM). PROVIDE HOLE IN BRACKET FOR ¼" X ¾" - 20 TPI STAINLESS STEEL HEX HEAD BOLT.

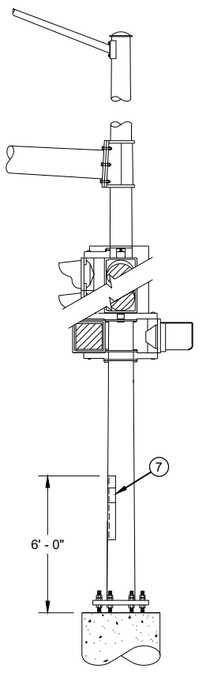
(6) FACTORY WELDED "J" HOOK FOR STRAIN RELIEF FOR POLE LUMINAIRE WIRE.

(7) INSTALL STRUCTURAL IDENTIFICATION PLAQUES.

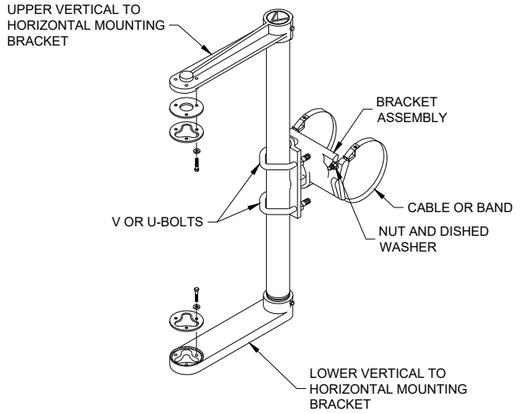
STRUCTURAL IDENTIFICATION PLAQUES SHALL BE PLACED ON THE POLES IN THE SAME DIRECTION AS THE ARM.

MOUNTING HEIGHT SHALL BE 6' - 0" ABOVE THE CURB OR SHOULDER. ADJUST IF IT IS KNOWN THAT REQUIRED TRAFFIC SIGNS WILL BE OBSTRUCTED.

(8) FACTORY DRILLED ½" DRAIN HOLE 2" FROM FLANGE CONNECTION PLATE.

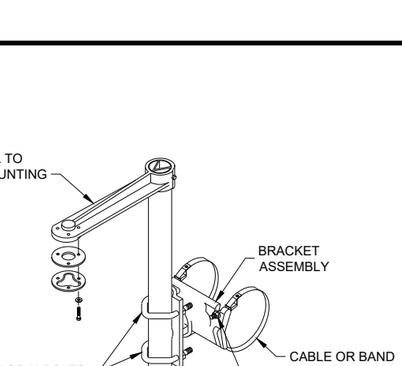


STRUCTURAL IDENTIFICATION PLAQUE PLACEMENT



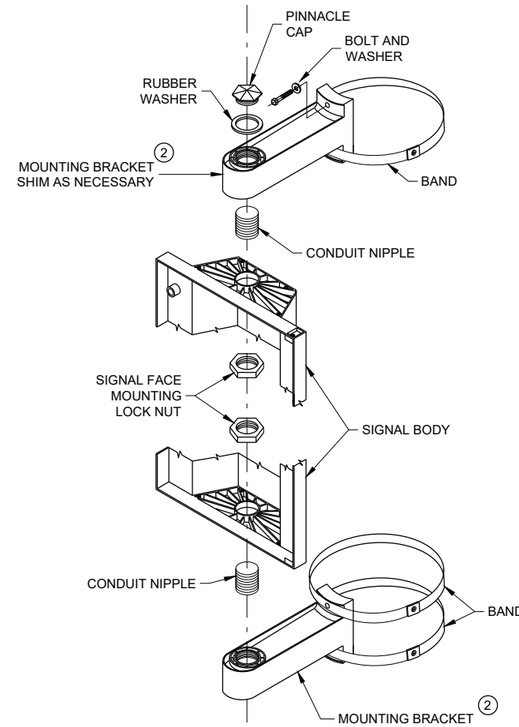
SIGNAL FACE MOUNTING BRACKET DETAIL FOR MONOTUBE ARM

(MOUNT PER MANFACTURER'S RECOMMENDATION)

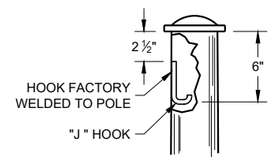


TYPICAL GROUNDING (5) CONNECTIONS

NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL



SIGNAL FACE VERTICAL MOUNTING DETAIL



TYPICAL "J" HOOK (6) WIRE SUPPORT

GENERAL NOTES AND HARDWARE FOR TYPES 9,10, 9/10 SPECIAL, 12 AND 13 POLES WITH MONOTUBE ARMS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL ENGINEER

FHWA

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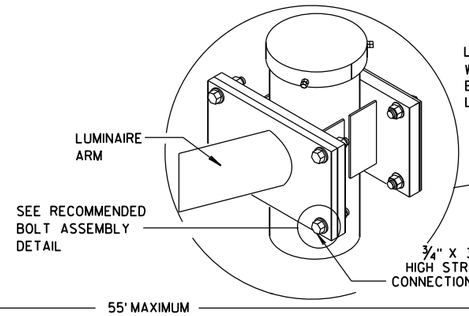
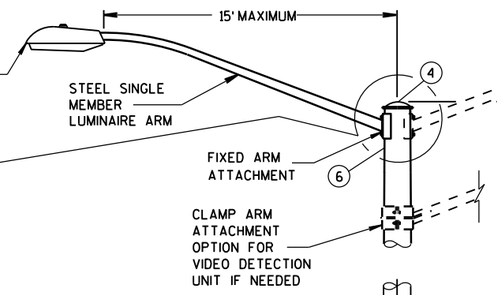
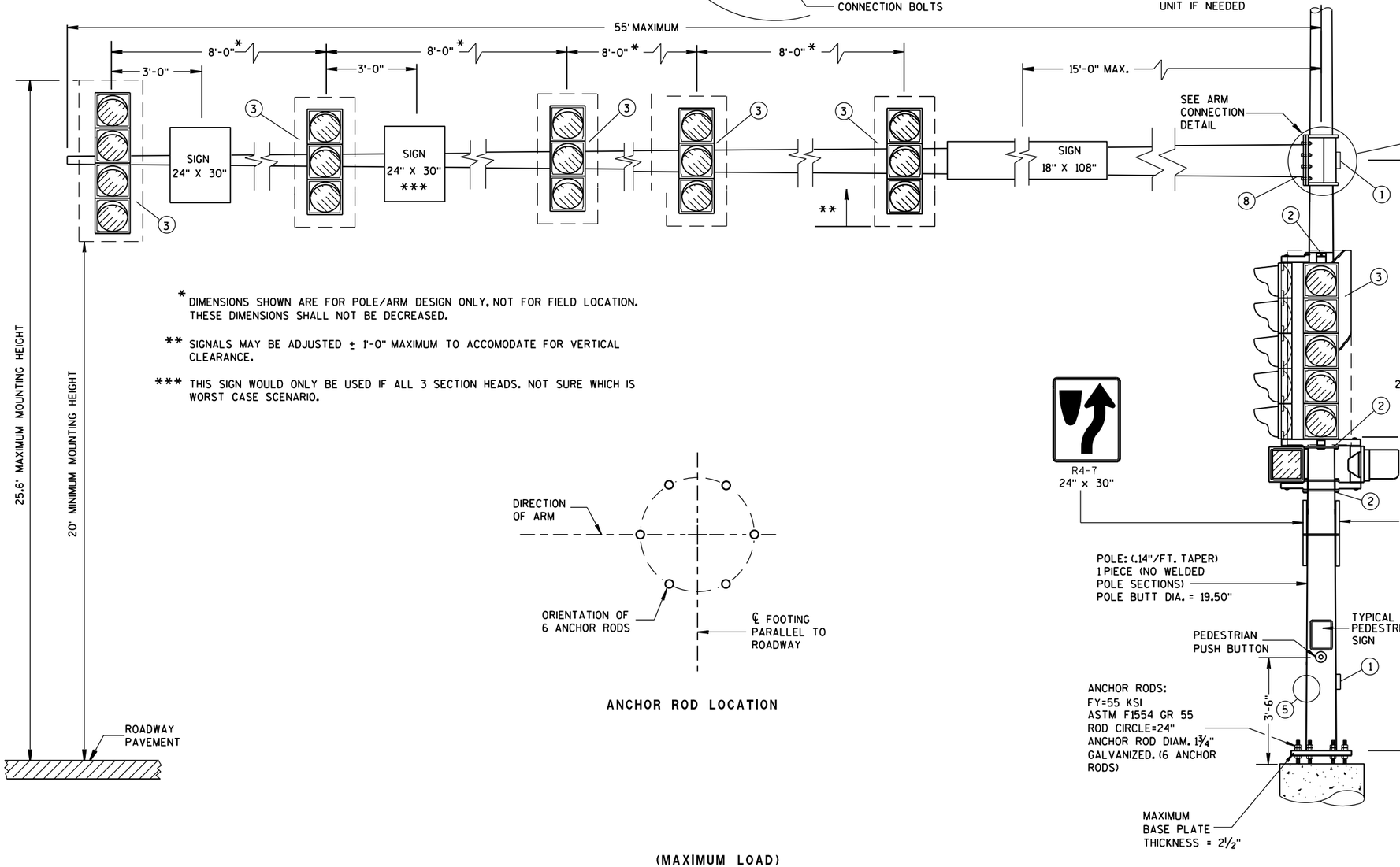
SDD 09E08 - 09k







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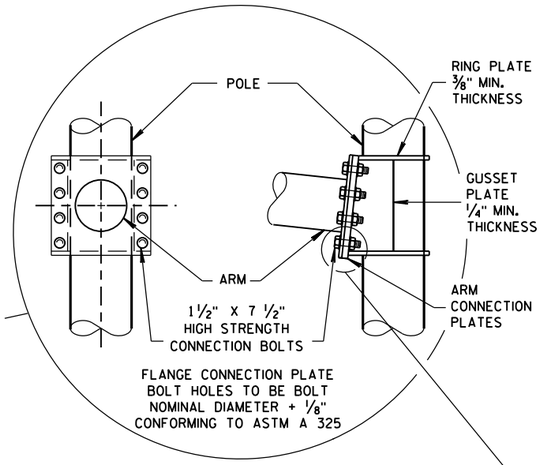
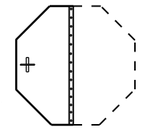
** SIGNALS MAY BE ADJUSTED ± 1'-0" MAXIMUM TO ACCOMODATE FOR VERTICAL CLEARANCE.

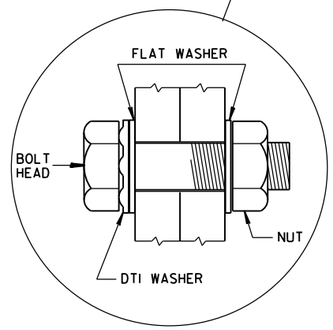
*** THIS SIGN WOULD ONLY BE USED IF ALL 3 SECTION HEADS. NOT SURE WHICH IS WORST CASE SCENARIO.

ANCHOR ROD LOCATION



8 BOLT ARM CONNECTION DETAIL





RECOMMENDED BOLT ASSEMBLY DETAIL

(MAXIMUM LOAD)

OVER HEIGHT TYPE 13 POLE
35'- 55' MONOTUBE ARM

OVER HEIGHT TYPE 13 POLE
35' - 55' MONOTUBE ARM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May, 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6

S.D.D. 9 E 12-1d

6

S.D.D. 9 E 12-1d

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

OVER HEIGHT POLE TYPES 9 AND 10 ARE FOR ARM LENGTHS 15-FOOT TO 30-FOOT.

OVER HEIGHT POLE TYPES 12 AND 13 ARE FOR ARM LENGTHS 35-FOOT TO 55-FOOT.

MONOTUBE POLE AND ARM SHALL BE GALVANIZED STEEL.

RING-STIFFENED BUILT-UP BOX TYPE OF ATTACHMENT FOR TRAFFIC SIGNAL ARM.

ONE (1) PIECE POLE CONSTRUCTION (NO WELDED POLE SECTIONS).

STANDARD STRAIGHT ARM DESIGN (3 % ± RISE).

SECTION 657, POLES OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

PROVIDE WIREWAY THRU POLE WALL AND ARM CONNECTION PLATES. PROVIDE ROUND, SMOOTH INSIDE SURFACE.

MANUFACTURER'S SUBMITTED POLE DESIGNS AND DRAWINGS SHALL BE SIGNED AND STAMPED BY A REGISTERED PROFESSIONAL ENGINEER AND CERTIFIED AS BEING IN COMPLIANCE WITH THE AASHTO LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNAL 2015 1ST EDITION (INCLUDING 2017 INTERIM REVISIONS) AND ALL PERTINENT WISDOT SPECIFICATIONS AND DRAWINGS FOR TRAFFIC AND LIGHTING STRUCTURES AND AS FOLLOWS:

- CATEGORY III FATIGUE LOADS OF GALLOPING, TRUCK GUSTS (AT 45 MPH VEHICLE VELOCITY) AND NATURAL WIND GUSTS FOR DESIGN OF TYPE 9 AND TYPE 10 STRUCTURES.
- CATEGORY II FATIGUE LOADS OF GALLOPING, TRUCK GUSTS (AT 45 MPH VEHICLE VELOCITY) AND NATURAL WIND GUSTS FOR DESIGN OF TYPE 12 AND TYPE 13 STRUCTURES.
- 90 MPH (3-SECOND GUST) WIND SPEED AND A 50 YEAR DESIGN LIFE.

SECURE THE OPENING BELOW THE BASE PLATE WITH STAINLESS STEEL OR GALVANIZED STEEL MESH AND SECURE THE MESH WITH ¾" S.S. BANDING AROUND THE LEVELING NUTS.

INDENT PRINT (NOMINAL ½" HIGH) THE POLE LENGTH AND FIRST TWO LETTERS OF THE MANUFACTURERS NAME ON TWO SIDES OF THE BASE PLATE 180 DEGREES APART, BEFORE GALVANIZING. THE ARM SHALL BE IDENTIFIED WITH THE SAME INFORMATION BY INDENT PRINT.

SIGNAL FACE SHALL BE MOUNTED 6 INCHES (NOMINAL) FROM THE END OF THE MONOTUBE ARM OR AS SHOWN ON THE PLAN CONSTRUCTION DETAIL OR AS DIRECTED BY THE PROJECT ENGINEER/ELECTRICAL OPERATIONS PERSONNEL. MOUNT ALL LIKE HEADS AT SAME ELEVATION.

SIGN MOUNTING BRACKETS SHALL BE FURNISHED IN ACCORDANCE WITH SECTION 637 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.

(1) DESIGN FOR MAXIMUM ALLOWABLE HANDHOLE WITH COVER ASSEMBLY WITH TWO ¼" X ¾" - 20 TPI STAINLESS STEEL HEX HEAD BOLTS.

(2) SIGNAL MOUNTING BRACKETS FOR POLE MOUNTING, MOUNT WITH CAP SCREW AND BANDING, (SEE SPECIFICATIONS SEC. 658).

(3) SECURELY MOUNT BACKPLATES, PROJECTING 5" BEYOND ALL SIDES OF THE SIGNAL FACE HOUSING, PER MANUFACTURERS RECOMMENDATIONS.

(4) THE TOP OF THE POLE SHAFT AND THE END OF THE MONOTUBE ARM SHALL BE EQUIPPED WITH A REMOVABLE, VENTILATED CAP HELD SECURELY IN PLACE WITH SET SCREWS.

(5) FACTORY-WELDED BRACKET FOR GROUNDING LUG, OPPOSITE HANDHOLE, (LUG AND HARDWARE PAID UNDER SEPARATE ITEM). PROVIDE HOLE IN BRACKET FOR ¼" X ¾" - 20 TPI STAINLESS STEEL HEX HEAD BOLT.

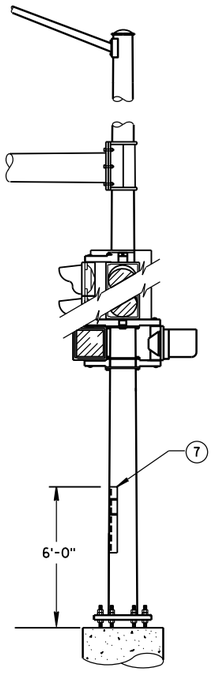
(6) FACTORY-WELDED "J" HOOK FOR STRAIN RELIEF FOR POLE LUMINAIRE WIRE.

(7) INSTALL STRUCTURAL IDENTIFICATION PLAQUES.

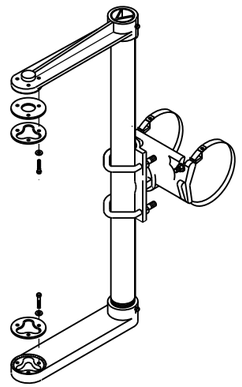
STRUCTURAL IDENTIFICATION PLAQUES SHALL BE PLACED ON THE POLES IN THE SAME DIRECTION AS THE ARM.

MOUNTING HEIGHT SHALL BE 6'-0" ABOVE THE CURB OR SHOULDER. ADJUST IF IT IS KNOWN THAT REQUIRED TRAFFIC SIGNS WILL BE OBSTRUCTED.

(8) FACTORY DRILLED ½" DRAIN HOLE 2" FROM FLANGE CONNECTION PLATE.

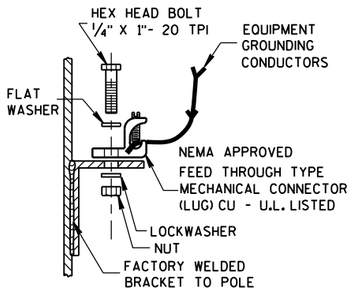


STRUCTURAL IDENTIFICATION PLAQUE PLACEMENT



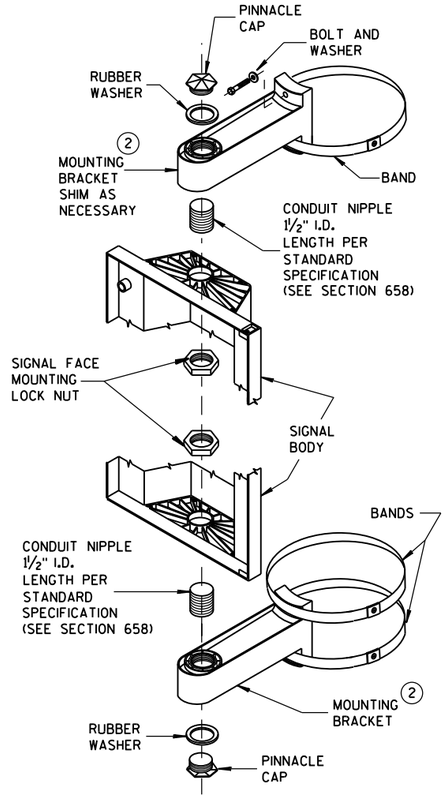
SIGNAL FACE MOUNTING BRACKET DETAIL FOR MONOTUBE ARM

(MOUNT PER MANUFACTURER'S RECOMMENDATION)

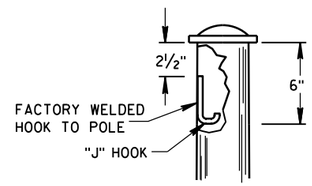


TYPICAL GROUNDING CONNECTIONS (5)

NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL



SIGNAL FACE VERTICAL MOUNTING DETAIL



"J" HOOK WIRE SUPPORT (6)

GENERAL NOTES AND HARDWARE DETAILS FOR OVER HEIGHT TYPE 9, 10, 12 & 13 POLES WITH MONOTUBE ARMS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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May 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
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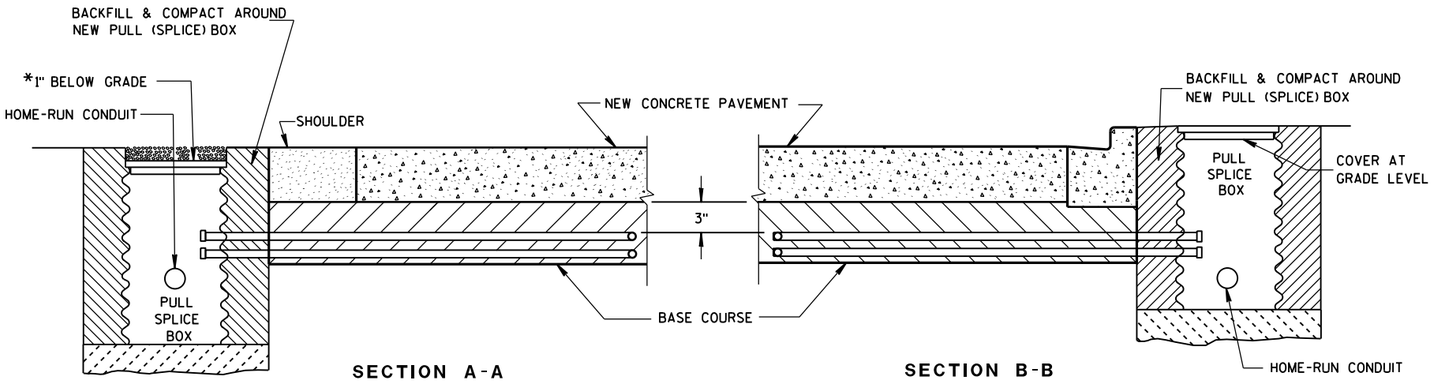


SECTION A-A
NO CURB & GUTTER

SECTION B-B
CURB & GUTTER

*RECESS PULL (SPLICE) BOX SO THAT THE COVER IS 3" BELOW GRADE IN SHOULDER AREAS OF CRUSHED AGGREGATE. BACKFILL OVER COVER WITH THE CRUSHED AGGREGATE TO BRING THE AREA TO GRADE LEVEL.

LOOP DETECTOR INSTALLATION DETAIL

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

LOOP SIZE, CONFIGURATION LOCATION, NUMBER OF TURNS OF WIRE AND ASSOCIATED SIGNAL PHASE SHALL BE AS SHOWN ON THE PLANS.

PITCH LEAD OUT CONDUIT TO DRAIN TO ROADSIDE PULL (SPLICE) BOX.

SPLICES SHALL BE INSTALLED BY USING CAST IN PLACE SPLICE KITS LISTED ON THE DEPARTMENTS APPROVED PRODUCTS LIST OR AN ENGINEER APPROVED EQUAL. NON-INSULATED BUTT SPLICES TO FIT #12 AWG STRANDED WIRE SHALL BE USED. SPLICES SHALL BE SOLDERED AND INSULATED FROM EACH OTHER AS PER INSTRUCTIONS INCLUDED IN THE SPLICE KIT.

MEASURE GROUND RESISTANCE USING A MEGGER. REPLACE LOOP WIRE NOT ATTAINING A READING OF INFINITY TO GROUND.

AFTER SPLICING THE LOOP WIRE TO THE LOOP LEAD-IN CABLE, THE CONTRACTOR SHALL MEASURE INDUCTANCE, GROUND RESISTANCE AND WIRE RESISTANCE AT THE CABINET END OF THE LEAD-IN CABLE AND FURNISH A COPY OF THE READINGS TO THE PROJECT ENGINEER FOR EVALUATION.

LOOP DETECTOR LEADS SHALL BE IDENTIFIED WITH THEIR ASSOCIATED LOOP BY USE OF WATERPROOF TAGS AT BOTH ENDS OF THE CABLE. A LISTING OF THE CABLE IDENTIFICATION PER INDIVIDUAL LOOP LEAD-IN SHALL BE PLACED IN THE CABINET.

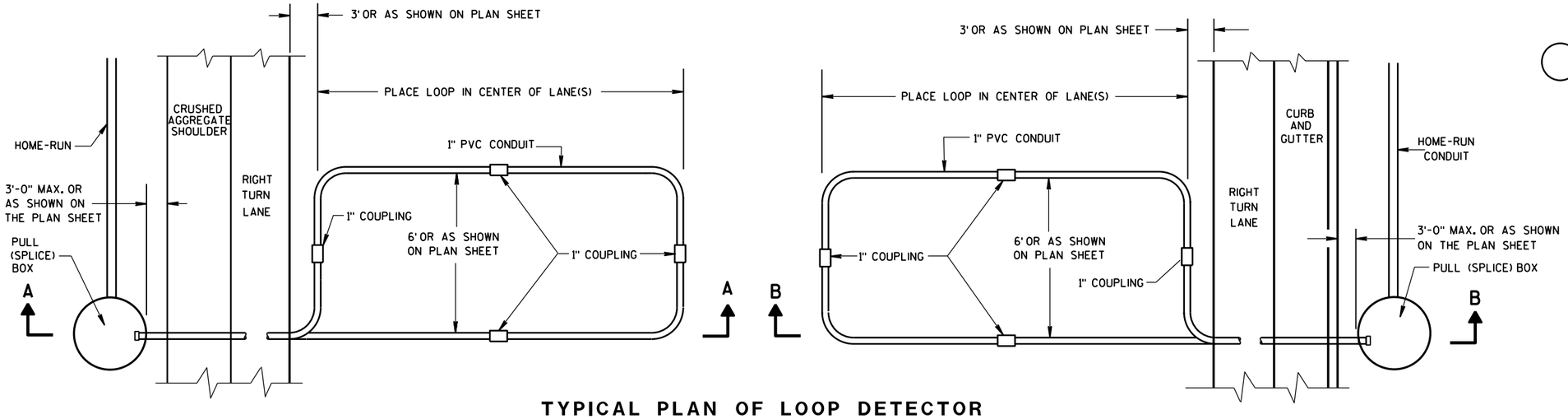
THE #12 AWG. LOOP WIRE IN THE PULL (SPLICE) BOX SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE BEING SPLICED TO THE LOOP LEAD-IN CABLE.

SPLICES OF LOOP WIRE TO LEAD-IN CABLE SHALL BE MADE ONLY IN PULL (SPLICE) BOXES AT THE SIDE OF THE ROAD.

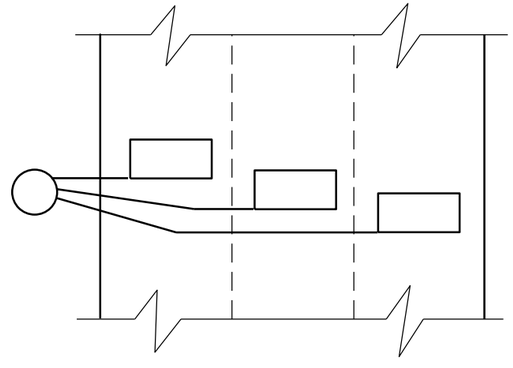
THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL (SPLICE) BOX, THROUGH THE LOOP CONDUIT, BACK TO THE ROADSIDE PULL (SPLICE) BOX, AND BE INSTALLED IN ONE, NON-SPLICED CONTINUOUS LENGTH.

PROTECTION OF THE CONDUITS IN THE BASE COURSE SHALL BE REQUIRED AFTER INSTALLATION AND BEFORE NEW PAVEMENT IS INSTALLED.

SHOULD INSTALLATION REPAIR BE REQUIRED, IT SHALL BE DONE UNDER THE DIRECTION OF THE PROJECT ENGINEER.



TYPICAL PLAN OF LOOP DETECTOR WITH 24" PULL (SPLICE) BOX



MULTI-LANE INSTALLATION

LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL
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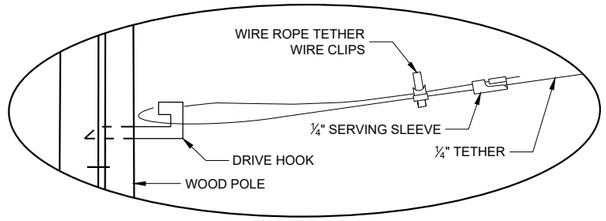
MINIMUM POLE LENGTHS	POLE BURIAL DEPTHS
25'	5'
30'	6'
35'	7'
40'	8'
45'	9'

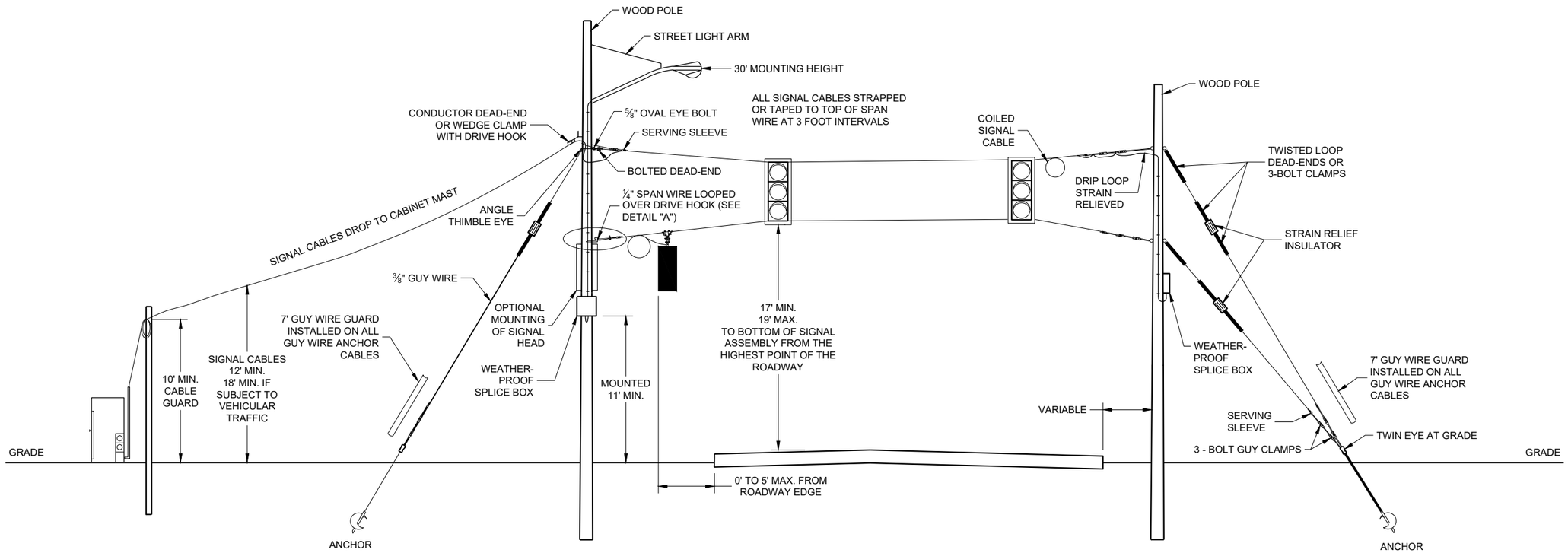


DETAIL "A"

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

1. WOOD POLES SHALL BE CLASS 4. LENGTH DETERMINED BY SIGNAL PLAN.
2. SIGNAL FACES:
   A. ALL SECTIONS SHALL BE 12" AND POLYCARBONATE.
   B. EACH SHALL CONTAIN A 5" WIDE DULL BLACK POLYCARBONATE BACKPLATE.
   C. EACH SHALL BE WIRED FROM THE TOP SIGNAL MOUNTING BRACKET.
   D. NEAR RIGHT SIGNAL FACE SUSPENDED ON THE TETHER (NO BACKPLATE) SHALL NOT BE OVER THE TRAVELED WAY. IF THE POLE IS WITHIN 5 FEET OF THE TRAVELED WAY MOUNT THE SIGNAL FACE ON THE WOOD POLE WITH BACKPLATE.
3. SPAN WIRE:
   A. EACH SPAN WIRE SHALL BE INDIVIDUALLY DOWN GUYED
   B. SIGNAL AND LIGHTING CABLES SHALL ONLY BE ATTACHED TO THE UPPER SPAN WIRE.
   C. THE SIGNAL ASSEMBLY SHALL HAVE A 17' MIN. HEIGHT ABOVE THE ROADWAY. THIS SHALL BE MEASURED AFTER THE SPAN WIRE INSTALLATION IS COMPLETED WITH ALL CABLES AND SIGNAL FACES IN PLACE. MAINTAIN MINIMUM AND MAXIMUM HEIGHTS AS ROADWAY WORK PROGRESSES.



SPAN WIRE
TEMPORARY SIGNALS

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2015
DATE
/S/ Ahmet Demerbilek
STATE ELECTRICAL ENGI 364
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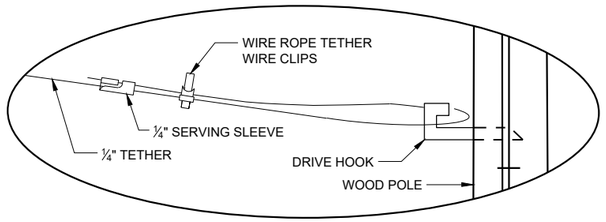
MINIMUM POLE LENGTHS	CLASS	POLE BURIAL DEPTHS
25'	V	5'
30'	V	6'
35'	IV	7'
40'	IV	8'
45'	IV	9'



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   E. FAR INDICATION SHALL BE MAINTAINED OVER CENTER OF TRAFFIC LANE.
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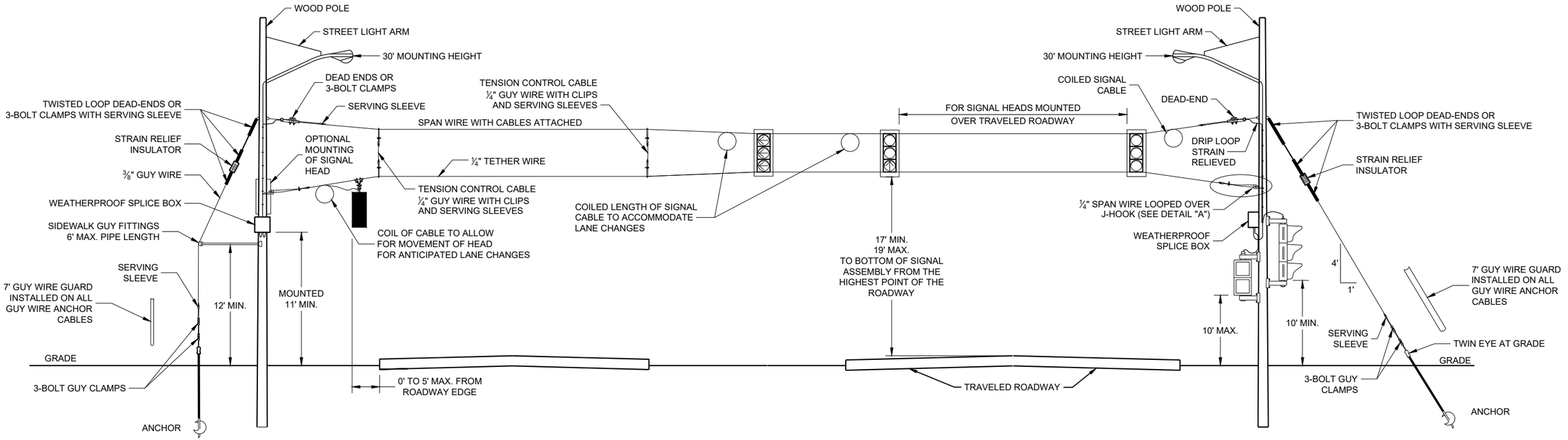

SPAN WIRE
TEMPORARY SIGNALS
4 LANE ROADWAYS

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
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June 2015
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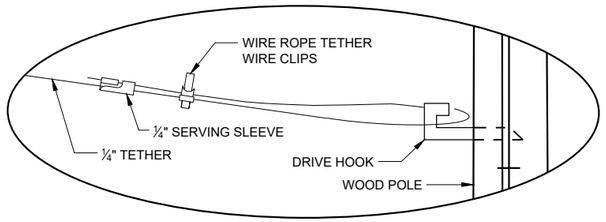
MINIMUM POLE LENGTHS	CLASS	POLE BURIAL DEPTHS
25'	V	5'
30'	V	6'
35'	IV	7'
40'	IV	8'
45'	IV	9'



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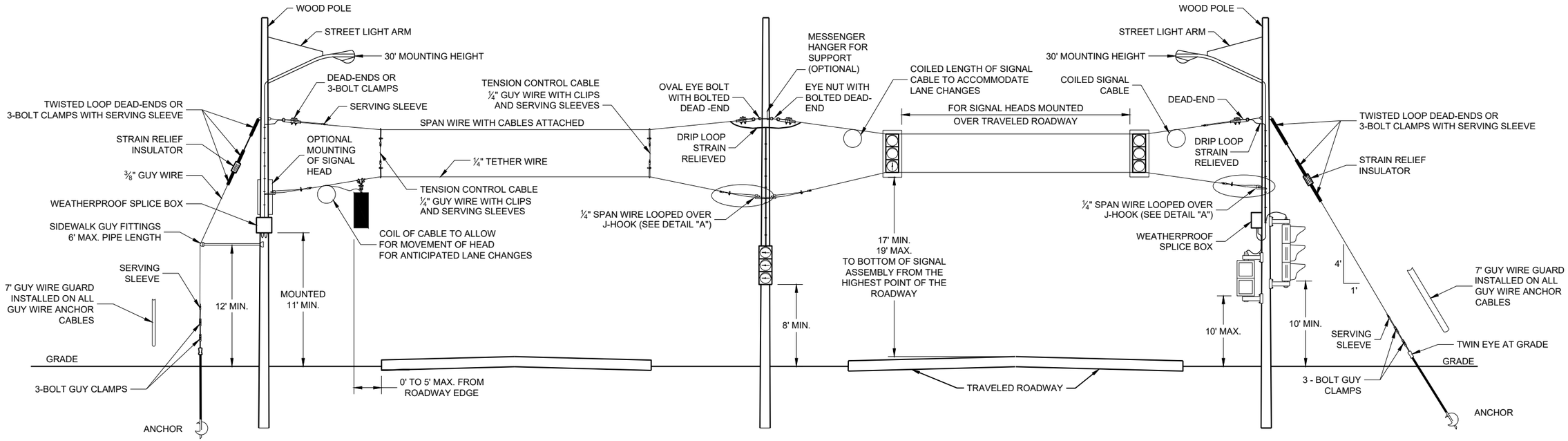

SPAN WIRE
TEMPORARY SIGNALS
4 LANE ROADWAYS

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
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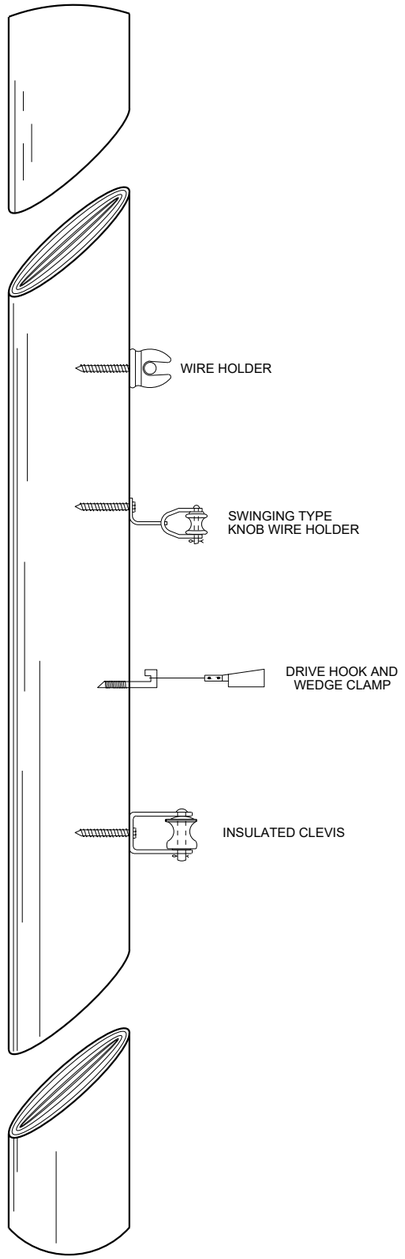

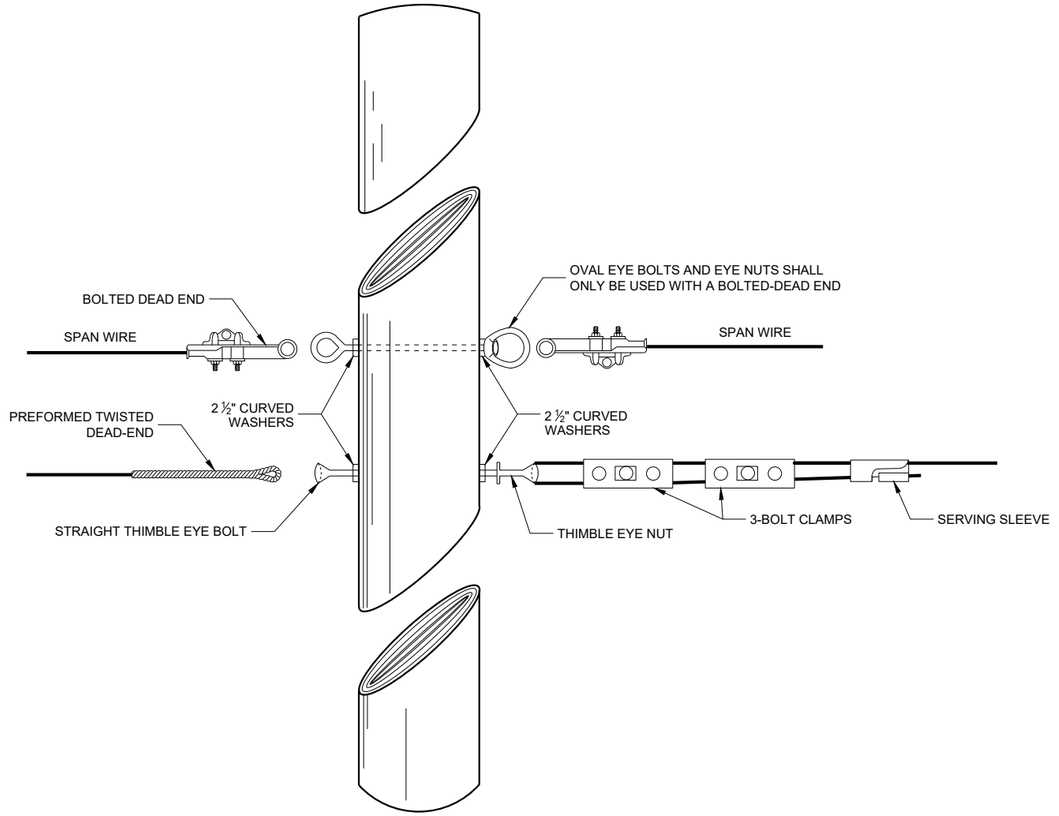

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SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
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ROADWAY STANDARDS DEVE ENGINEER

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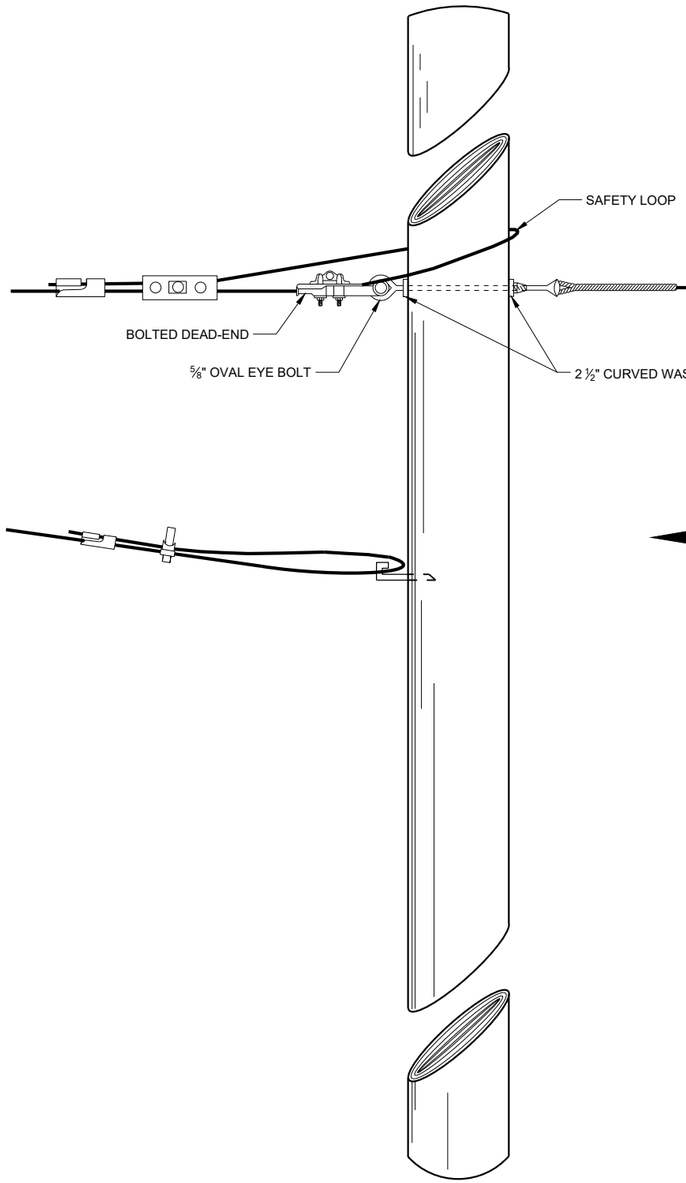
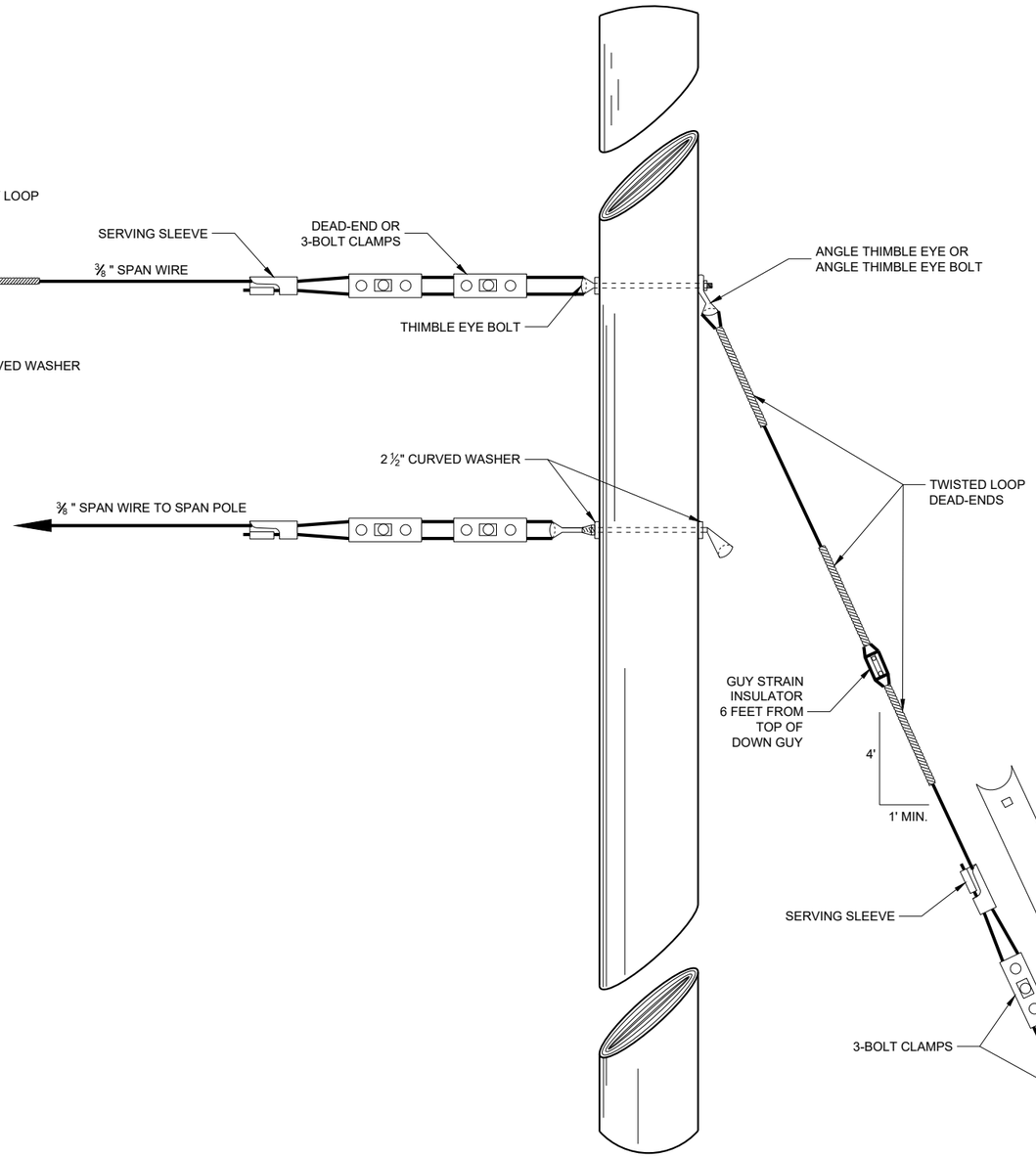
GENERAL NOTES

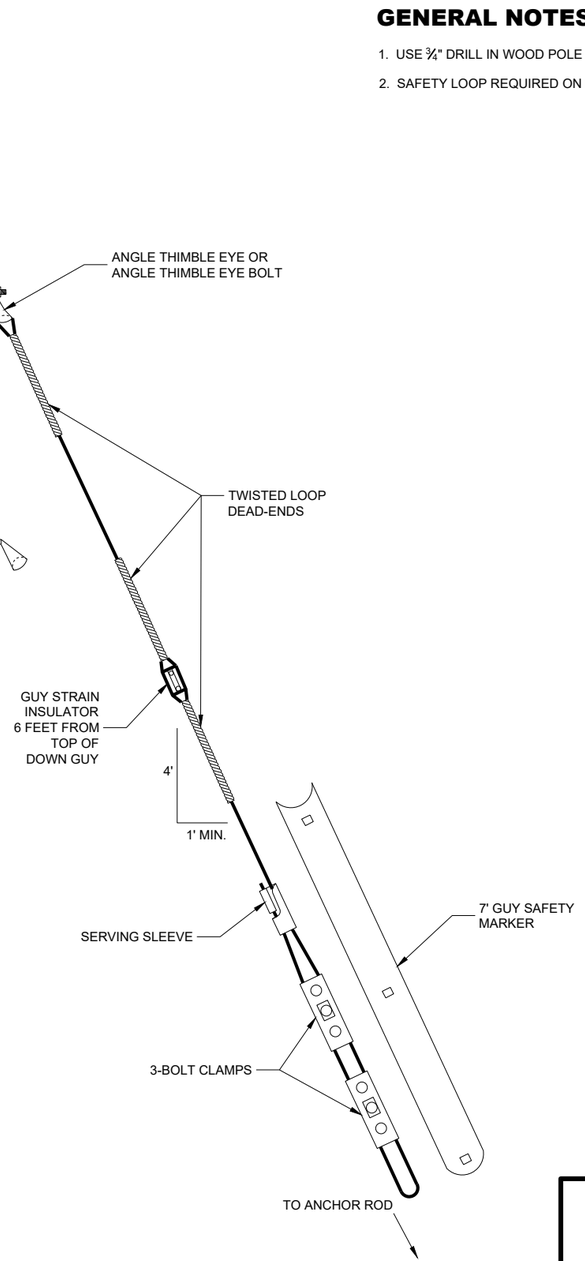
1. USE ¾" DRILL IN WOOD POLE TO PROVIDE FOR ⅝" BOLTS.
2. SAFETY LOOP REQUIRED ON EACH END OF ALL SPAN WIRES.



SPAN WIRE POLE



GUY POLE



TYPICAL DEAD-ENDINGS OR GUYING

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

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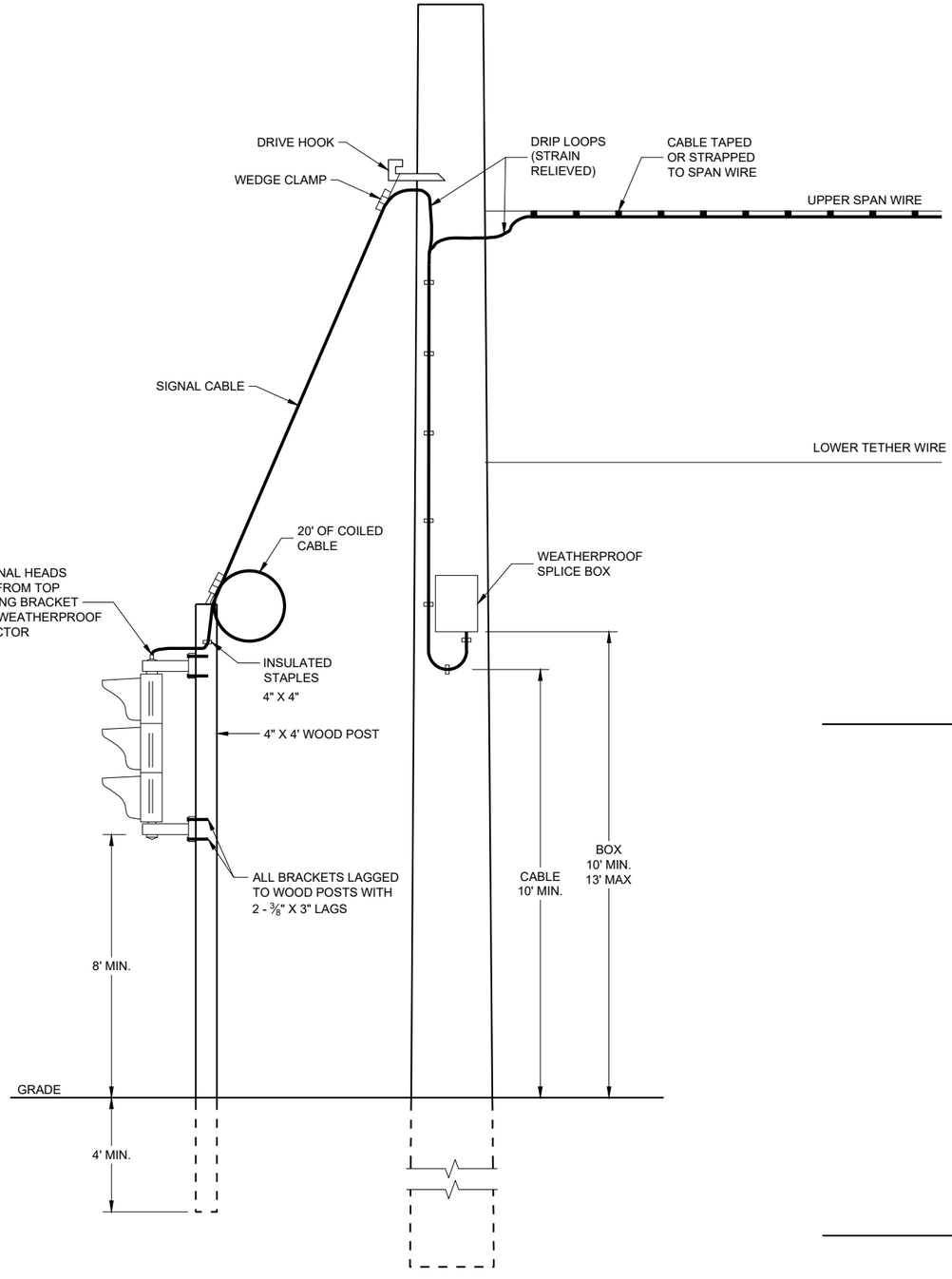
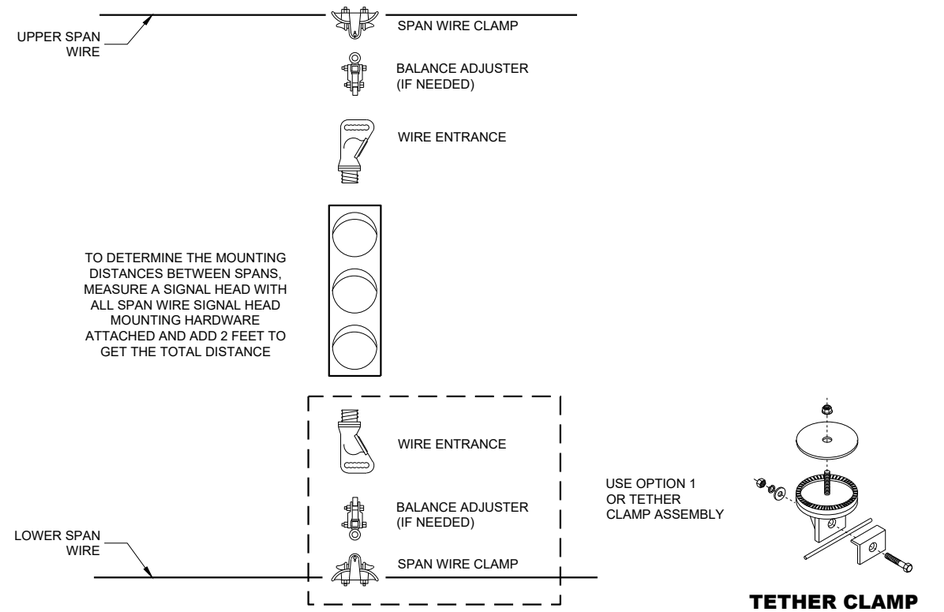
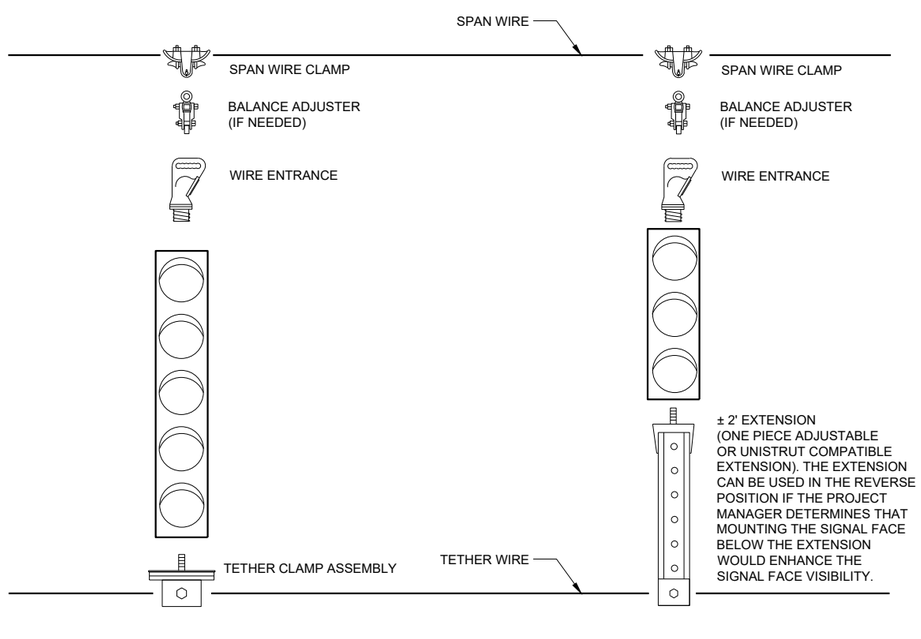


TYPICAL DROP TO TEMPORARY MOVEABLE SIGNAL



TYPICAL SPAN WIRE MOUNTING HARDWARE



5 SECTION VERTICAL WITH 3 SECTION VERTICAL ON ONE SPAN WIRE

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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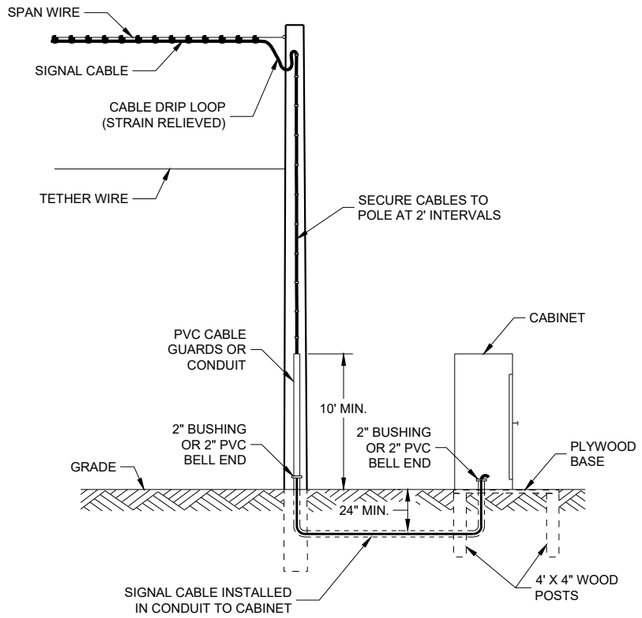
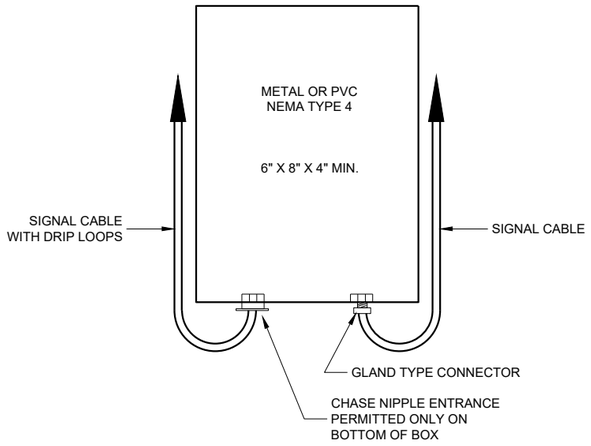
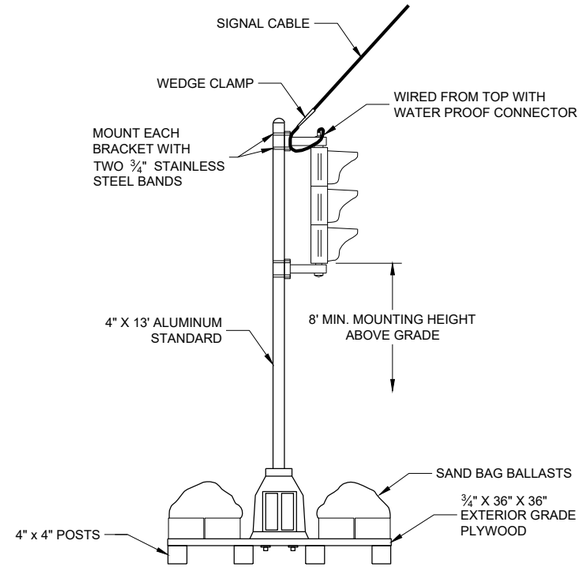
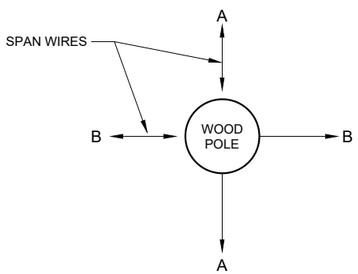




SPLICE BOX

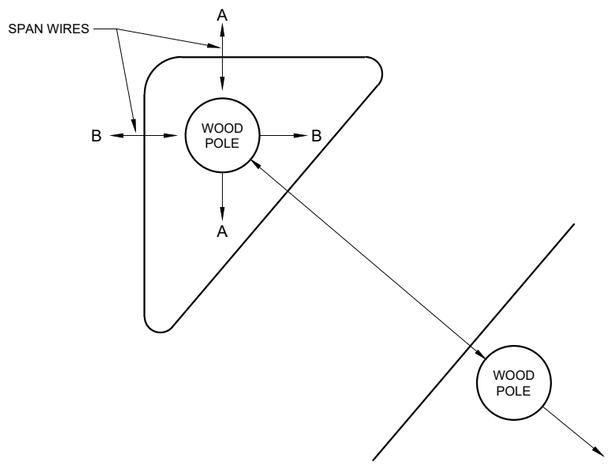


TYPICAL SKID TYPE TEMPORARY

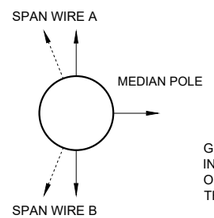


ALL DOWN OR SIDEWALK GUYS SHALL BE INSTALLED IN THE OPOSITE DIRECTION OF THE STRAIN OF THE SPAN WIRE

CORNER POLES



ISLAND POLES



GUY AWAY FROM INTERSECTION OR IN OPPOSITE DIRECTION OF THE SPAN LOADING

MEDIAN POLES

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

June 2015
DATE

/S/ Ahmet Demerbilek
ROADWAY STANDARDS DEVE ENGINEER

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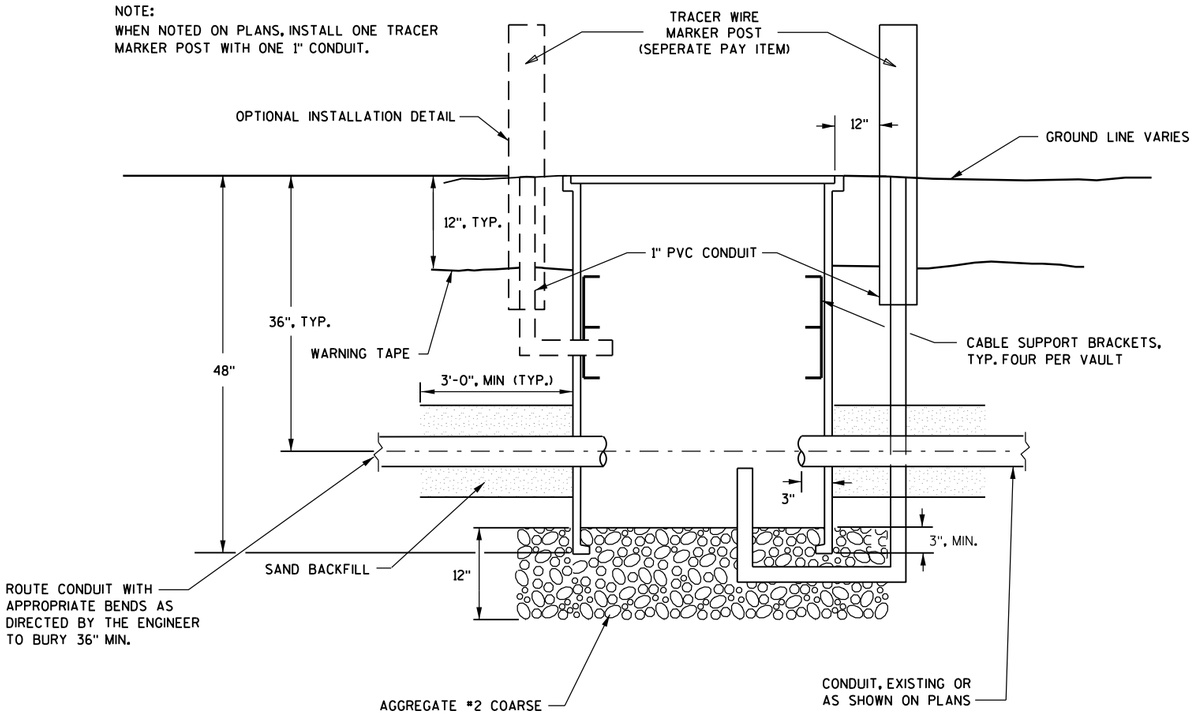
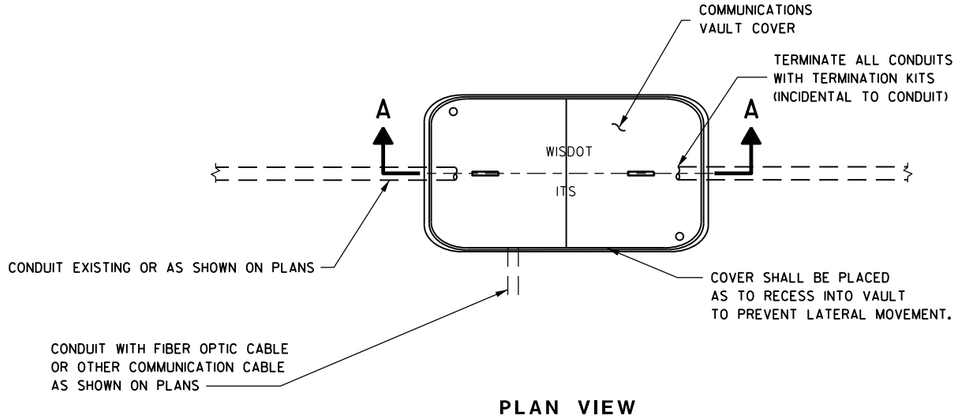


SECTION A-A



PLAN VIEW

COMMUNICATIONS VAULT TYPE 1

GENERAL NOTES

PROVIDE VAULT WITH OPEN BASE.

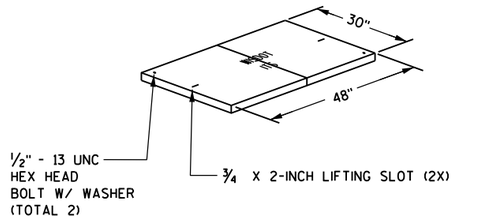
COVER SHALL HAVE A MINIMUM DESIGN LOAD OF 15,000 LBS AND SHALL LOCK.

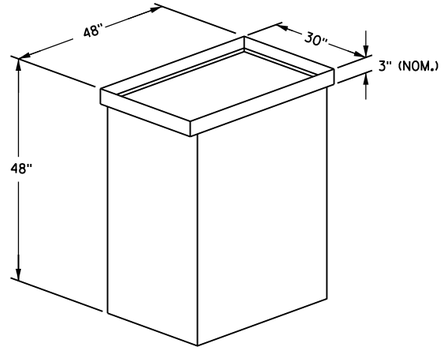
ALL OPENINGS IN STRUCTURE MUST BE MACHINED AT TIME OF FABRICATION, OR PUNCH DRIVEN AT TIME OF PLACEMENT.

VAULTS SHALL BE OF ONE-PIECE CONSTRUCTION. TWO-PIECE/STACKABLE VAULTS WILL NOT BE PERMITTED.

FIELD PLACEMENT OF COMMUNICATIONS VAULTS SHALL BE AS DIRECTED BY THE ENGINEER.

FIBER TRACER MARKER POSTS SHALL BE CONSTRUCTED WITH HIGH-IMPACT PLASTIC MATERIAL WHICH IS FADE RESISTANT AND UV STABLE. ALL HARDWARE SHALL BE STAINLESS STEEL AND CONTAIN A MINIMUM OF FIVE STANDARD TERMINALS.





ISOMETRIC VIEW

COMMUNICATION VAULT TYPE 1	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED	
May, 2017 (DATE)	/S/Ahmet Demirbilek (STATE ELECTRICAL)
FHWA	

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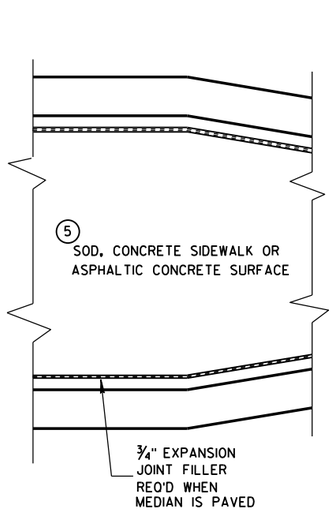
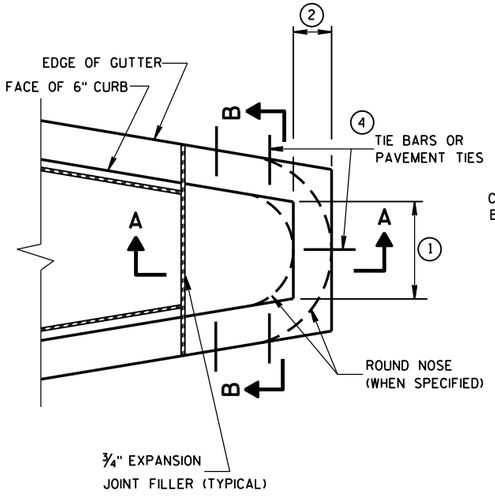
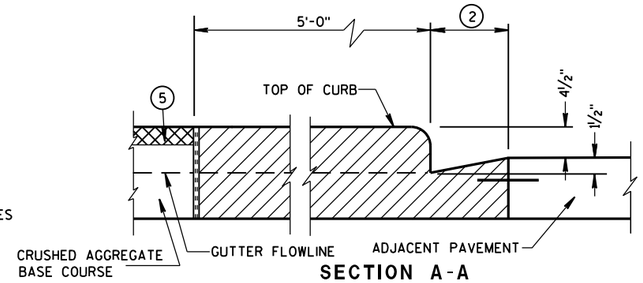
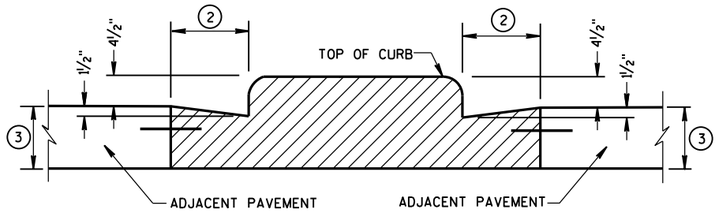






SECTION A-A



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.

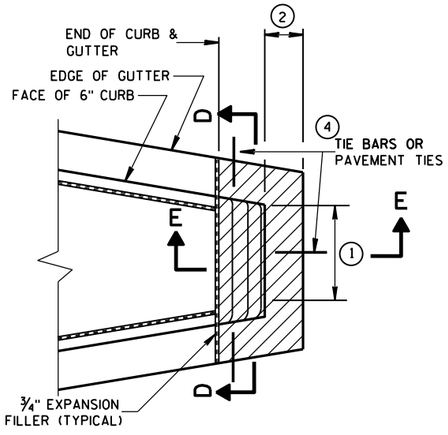
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

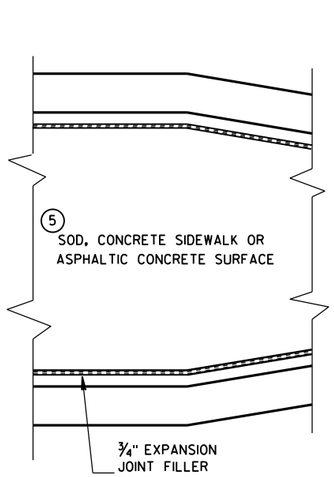
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

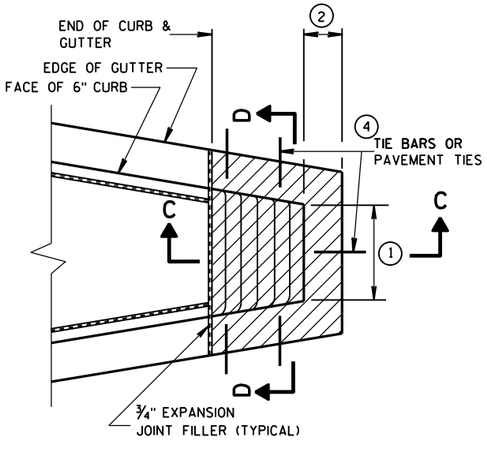
(4) TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C.

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.

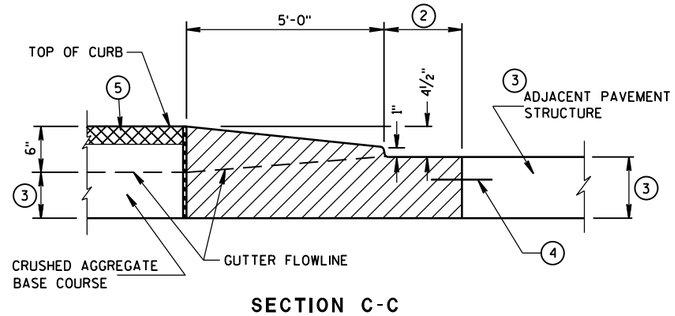
(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.



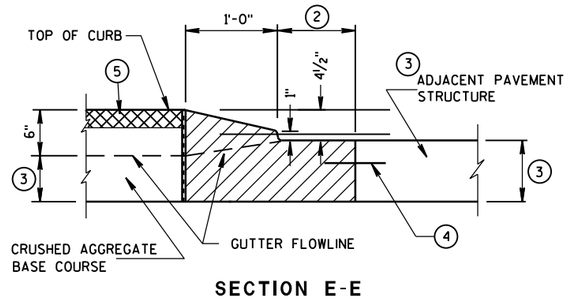




CONCRETE MEDIAN SLOPED NOSE TYPE 1

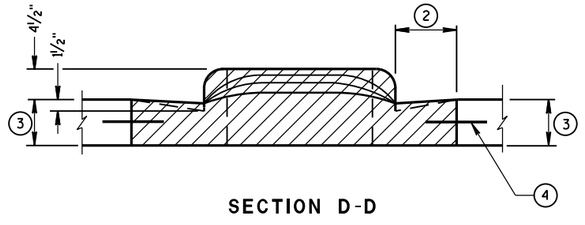


SECTION C-C



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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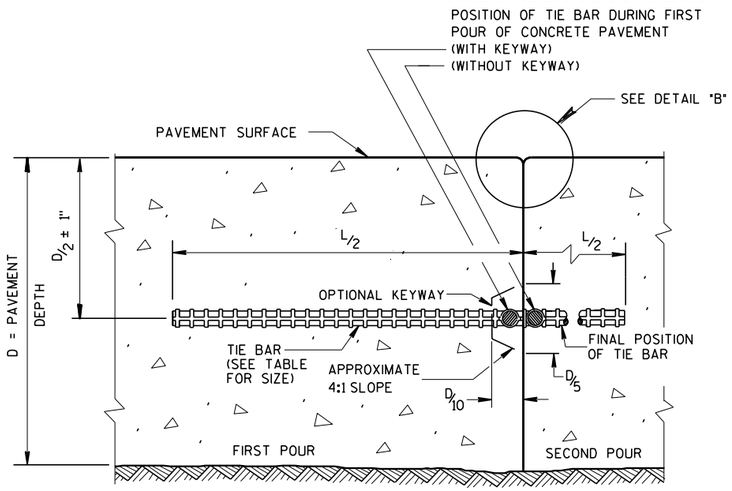
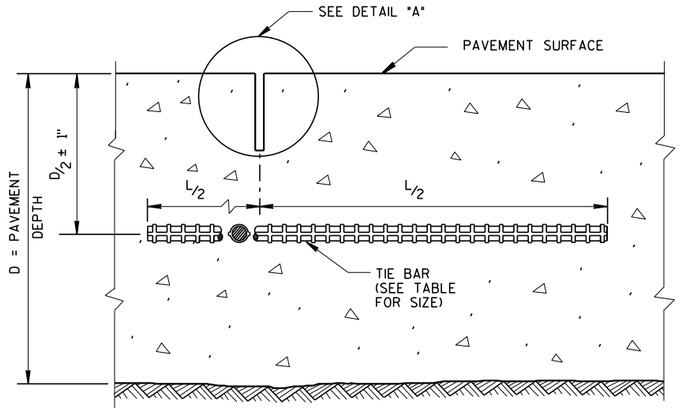


CONSTRUCTION JOINT



SAWED JOINT

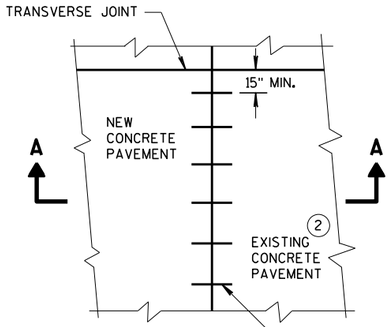
GENERAL NOTES

CREATE A LONGITUDINAL JOINT FOR PAVEMENT WIDTHS GREATER THAN 15 FEET.

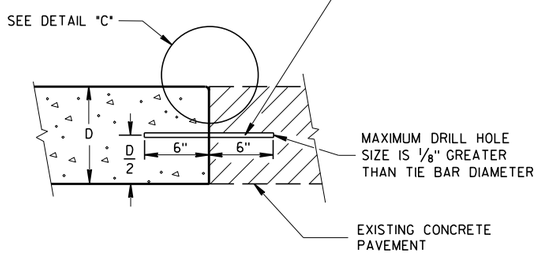
CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

(1) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

(2) PAVEMENT THAT WAS IN PLACE PRIOR TO THE CONTRACT.

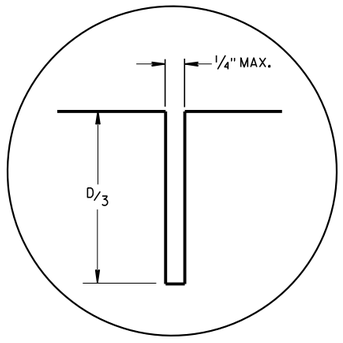


PLAN VIEW

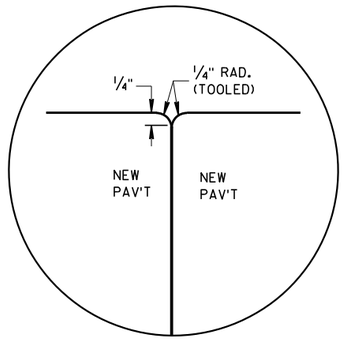


SECTION A-A

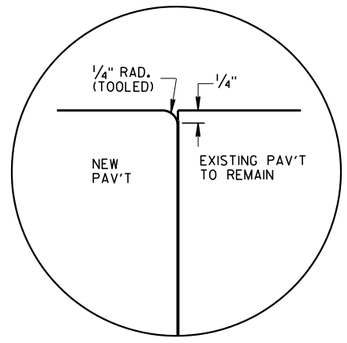
LONGITUDINAL CONSTRUCTION JOINT TIE BARS ANCHORED INTO EXISTING PAVEMENT



DETAIL "A"



DETAIL "B"



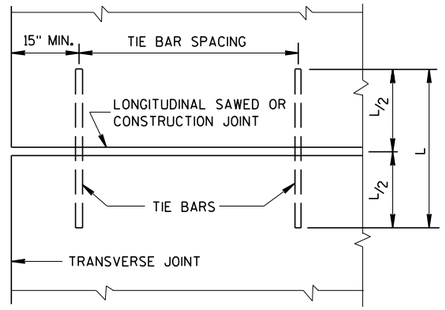
DETAIL "C"

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 — PAVEMENT SUPE
FHWA

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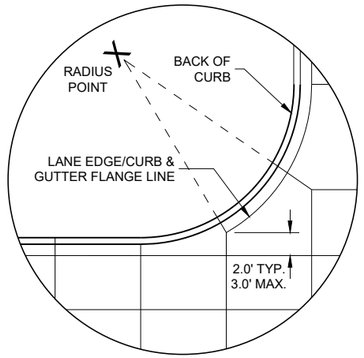
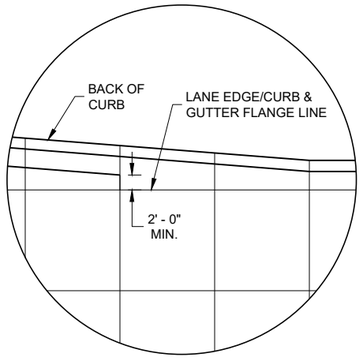
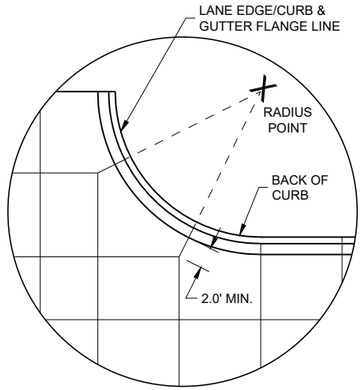
S.D.D. 13 C 1-19



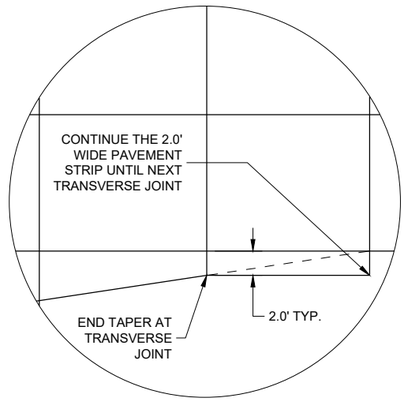
DETAIL "A"



DETAIL "B"



DETAIL "C"



DETAIL "D"

GENERAL NOTES

THE PRIMARY ROADWAY CONTROLS THE TRANSVERSE JOINT PATTERN.

ALIGN NEW JOINTS WITH EXISTING JOINTS OR CRACKS.

CONSTRUCT TRANSVERSE JOINTS PERPENDICULAR TO THE ROADWAY.

ADJUST TRANSVERSE JOINTS TO ALIGN WITH UTILITY FIXTURES (E.G MANHOLES AND INLETS) IN THE PAVEMENT STRUCTURE WHEN POSSIBLE. WATER VALVES DO NOT REQUIRE JOINT ADJUSTMENT.

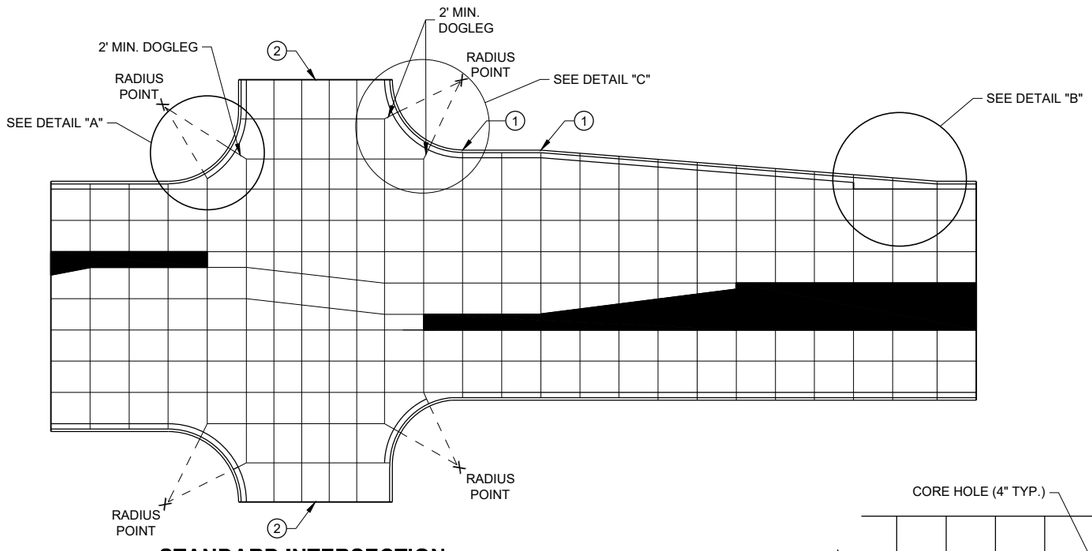
AVOID SLABS LESS THAN 2 FEET WIDE OR GREATER THAN 15 FEET WIDE.

SEE TABLE FOR TRANSVERSE JOINT SPACING. JOINT SPACING SPECIFIED IS MAXIMUM AND ACTUAL SPACING CAN BE ADJUSTED TO ACCOMMODATE INTERSECTIONS.

AVOID ANGLES LESS THAN 60° BY DOGLEGGING JOINTS THROUGH CURVE RADIUS POINTS. USE 90° ANGLES WHEN POSSIBLE.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

1. PROVIDE TRANSVERSE JOINTS AT ALL PAVEMENT WIDTH CHANGES.
2. CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITHEDGE OF RADIUS.
3. THE ENGINEER MAY APPROVE SLIGHT VARIATIONS FROM THESE JOINTING DETAILS.

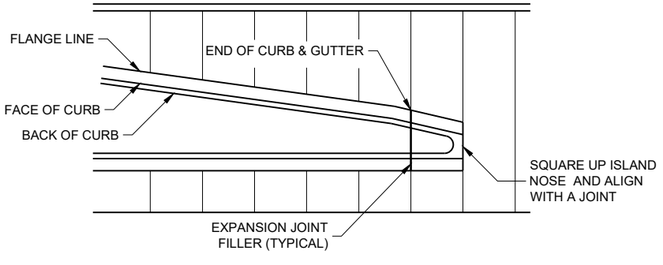


STANDARD INTERSECTION

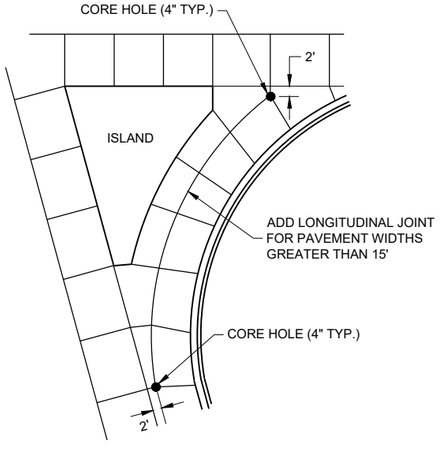
PAVEMENT DEPTH AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	CONTRACTION JOINT SPACING
6", 6 ½"	12'
7", 7 ½"	14'
8" & ABOVE	15'

SKEWED INTERSECTION



APPROACH TO MEDIAN



LARGE RIGHT TURN

CONCRETE PAVEMENT JOINTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 13C18 - 07a

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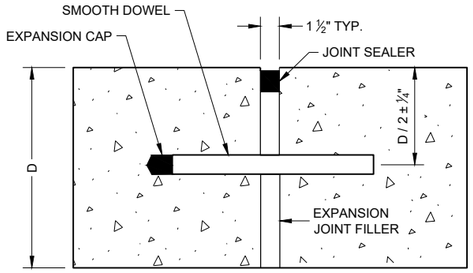
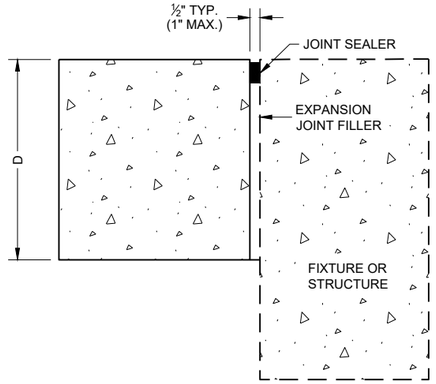
SDD 13C18 - 07a



DOWELED TRANSVERSE (1)



UNTIED - LONGITUDINAL

EXPANSION JOINTS

TIE BAR TABLE

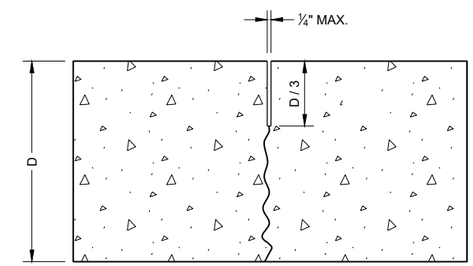
PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 ½"	NO. 4	30"	36"
≥ 10 ½"	NO. 5	36"	36"
	NO. 4*	30"	24"**

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

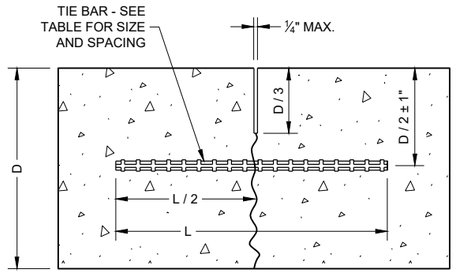
** CONFORM TO 15" MINIMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

GENERAL NOTES

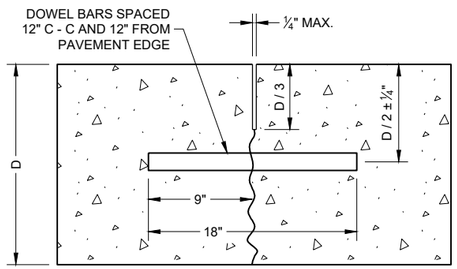
1. USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATETHE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
2. SPACE CONTRACTION JOINTS IN ACCORDANCE WITH SDD 13C4, 13C11 OR 13C13.
3. LOCATE CONSTRUCTION JOINTS A MINIMUM 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

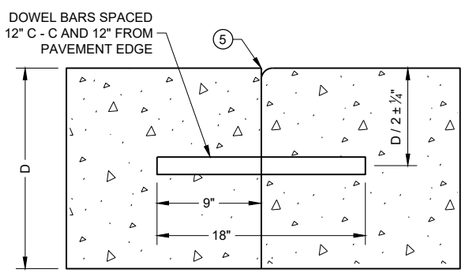


TIED LONGITUDINAL

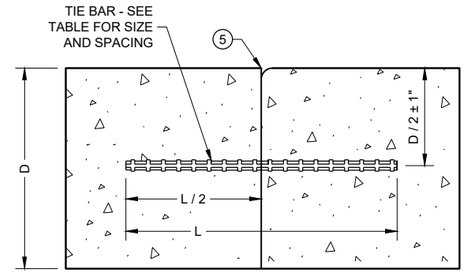


DOWELED TRANSVERSE

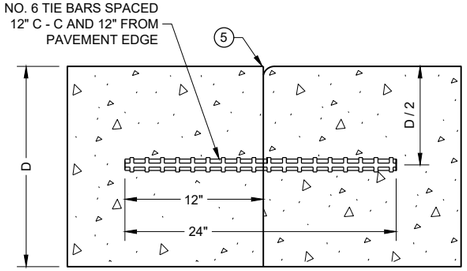
CONTRACTION JOINTS (2)



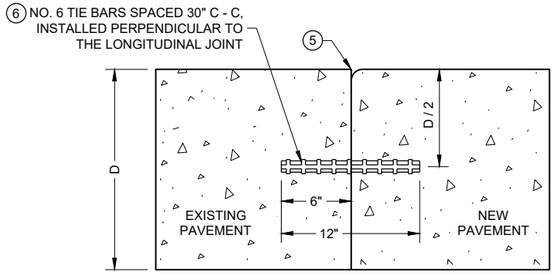
DOWELED TRANSVERSE (3)



TIED LONGITUDINAL



TIED TRANSVERSE (3)
(FOR USE ON NON-DOWELED PAVEMENTS ONLY)



TIED LONGITUDINAL TO EXISTING

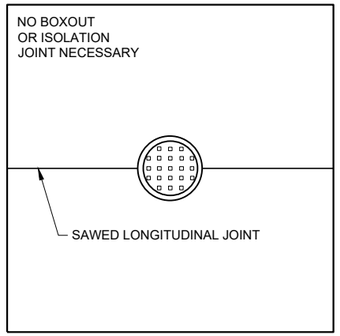
CONSTRUCTION JOINTS (4)

CONCRETE PAVEMENT JOINT TYPES

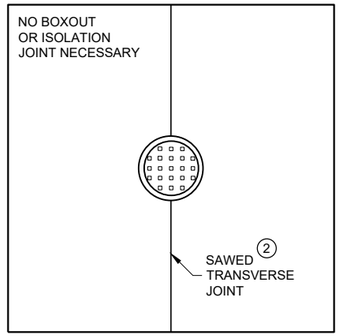
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

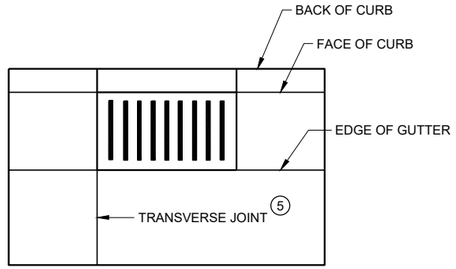
SDD 13C18 - 07c



MANHOLE WITH LONGITUDINAL JOINT



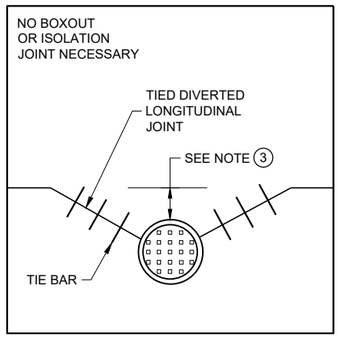
MANHOLE WITH TRANSVERSE JOINT



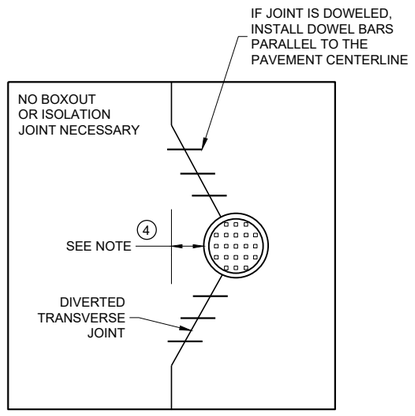
INLET WITH TRANSVERSE JOINT

GENERAL NOTES

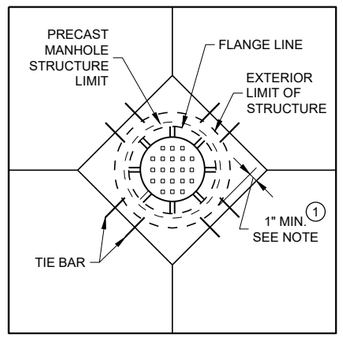
1. USE BOXOUTS WHEN UTILITY STRUCTURE IS IN THE PATH OF CONSTRUCTION JOINTS. PROVIDE A 1 FOOT MINIMUM CLEARANCE BETWEEN THE EXTERIOR LIMIT OF THE STRUCTURE TO THE DIAMOND BOXOUT.
2. ADJUST TRANSVERSE JOINT TO INTERSECT MANHOLE IF POSSIBLE.
3. IF DISTANCE BETWEEN THE LONGITUDINAL JOINT AND THE EDGE OF MANHOLE IS 2 FEET OR LESS, DIVERT THE LONGITUDINAL JOINT AT A 2:1 TAPER RATE TO THE CENTER OF THE MANHOLE. IF THE DISTANCE IS GREATER THAN 2 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REINFORCEMENT REBAR AROUND THE MANHOLE.
4. IF THE DISTANCE FROM THE EDGE OF THE MANHOLE TO THE NEAREST TRANSVERSE JOINT IS LESS 4 FEET OR LESS, REDIRECT JOINT TO INTERSECT THE CENTER OF THE MANHOLE. IF DISTANCE IS GREATER THAN 4 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REINFORCEMENT REBAR AROUND THE MANHOLE.
5. ALIGN TRANSVERSE JOINT WITH ONE EDGE OF INLET WHEN PRACTICAL.



MANHOLE WITH DIVERTED LONGITUDINAL CONTRACTION JOINT



MANHOLE WITH DIVERTED TRANSVERSE CONTRACTION JOINT



DIAGONAL MANHOLE BOXOUT FOR CONSTRUCTION JOINTS

CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUPERVISO

FHWA

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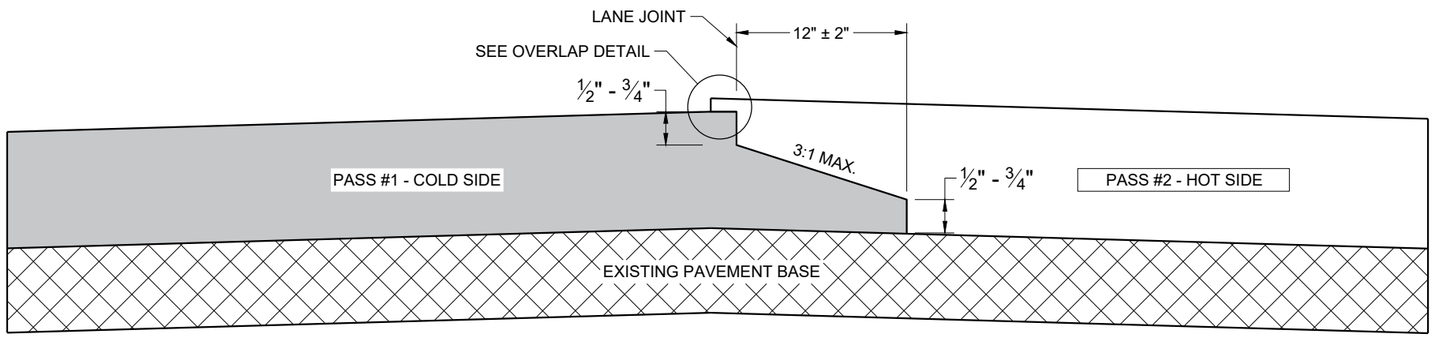
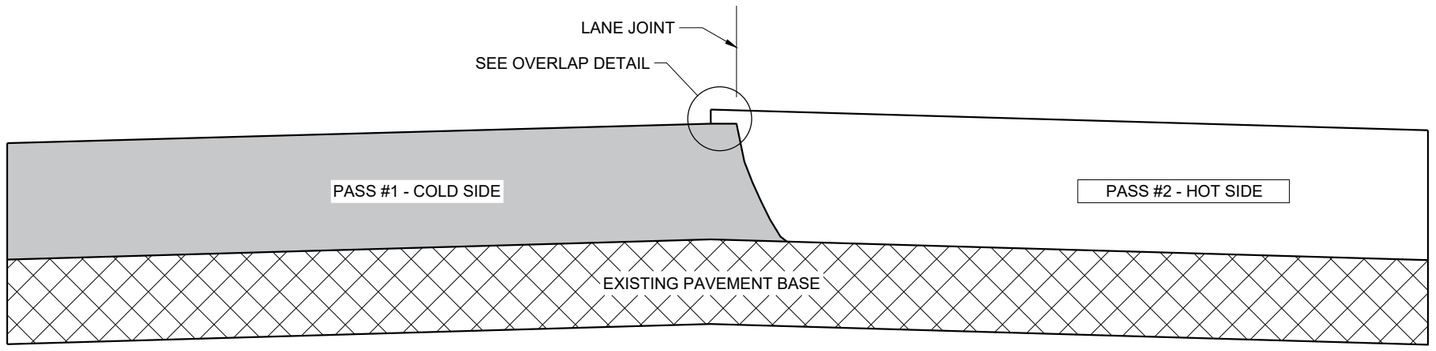
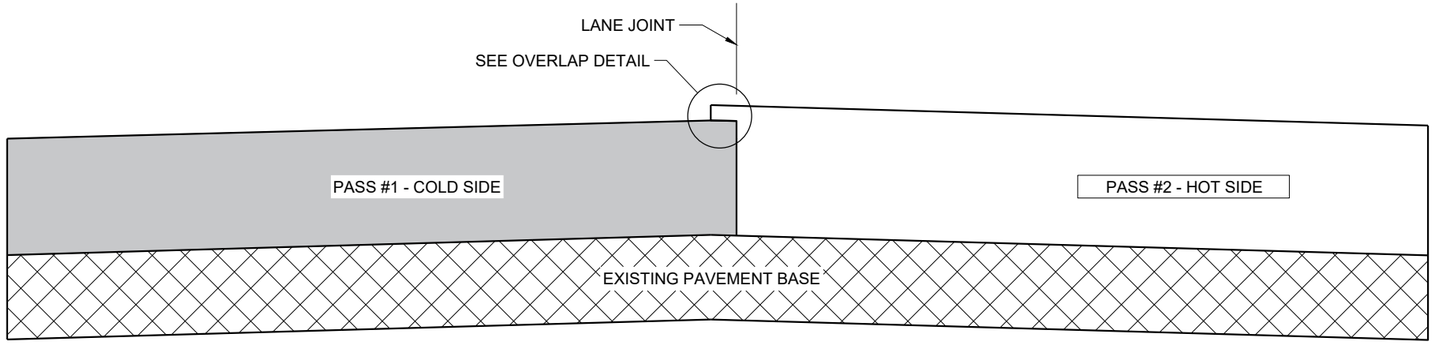
SDD13C18 - 07d
SDD13C18 - 07d



TYPICAL PAVEMENT CROSS SECTION
NOTCHED WEDGE JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT (MILLED)

GENERAL NOTES

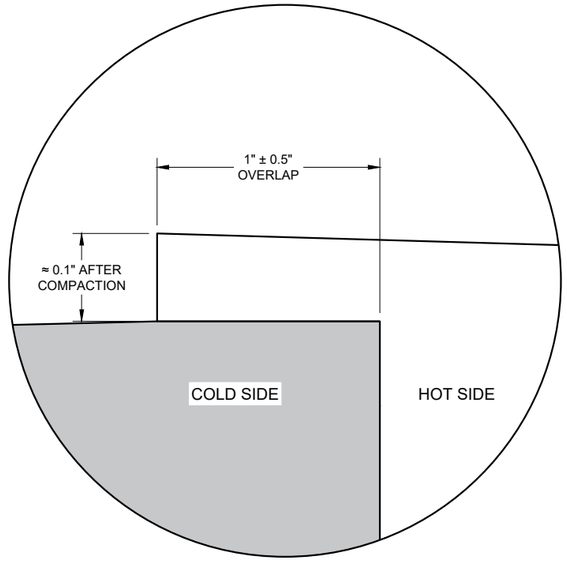
IN ADDITION TO THE DETAILS PROVIDED IN THIS DRAWING, CONFORM TO STANDARD SPECIFICATION 450.3.2.8 FOR WHEN A NOTCHED WEDGE JOINT IS REQUIRED AND FOR GENERAL JOINT CONSTRUCTION REQUIREMENTS.

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)

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SDD 13C19 - 03

SDD 13C19 - 03

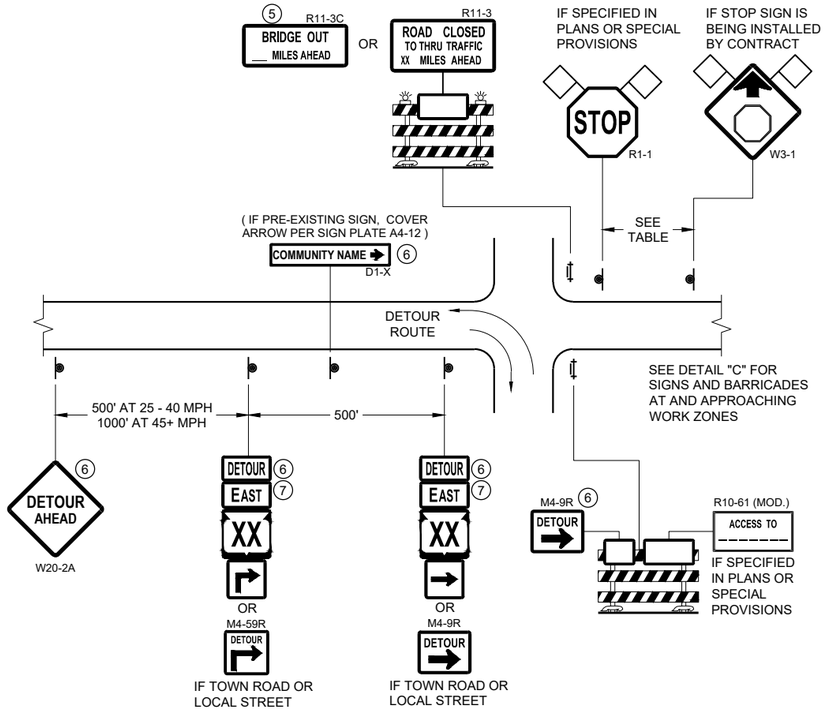
HMA LONGITUDINAL JOINTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2020
DATE

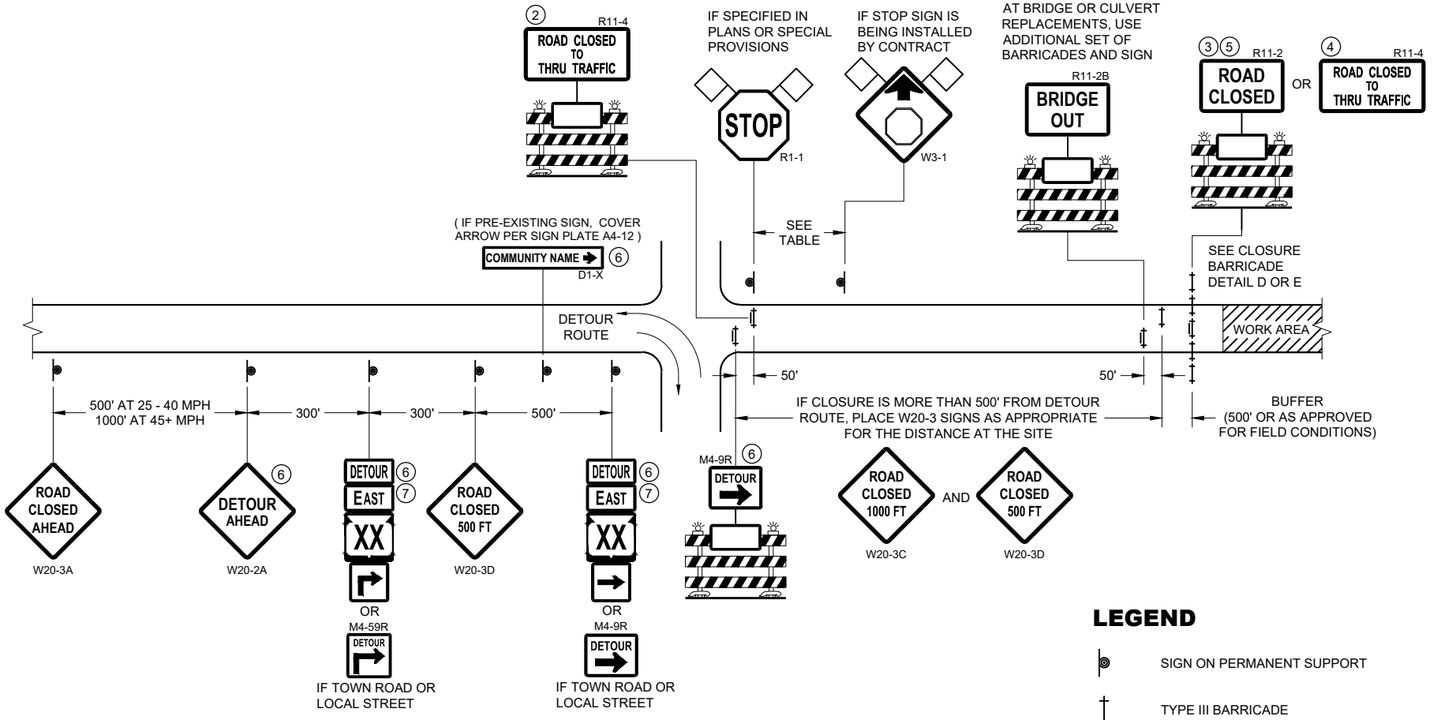
/S/ Steven Hefel
HMA PAVEMENT ENGIN

FHWA



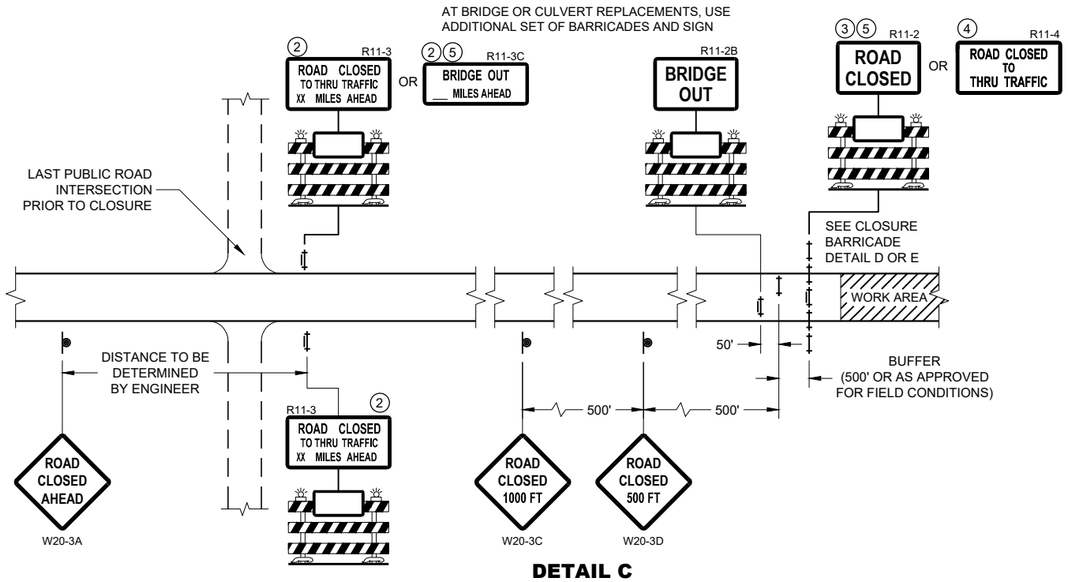
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

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

THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL DETOUR SIGN LAYOUT AND SPACING. SEE PROJECT DETOUR SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.

LEGEND

- SIGN ON PERMANENT SUPPORT
- WORK AREA
- DETOUR — M4 - 8
- EAST — M3 - X
- XX — M1 - 4 OR XX — M1 - 6 OR COUNTY X — M1 - 5A
- M05 - 1 OR M06 - 1 OR M06 - 1

GENERAL NOTES

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

IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

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

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

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

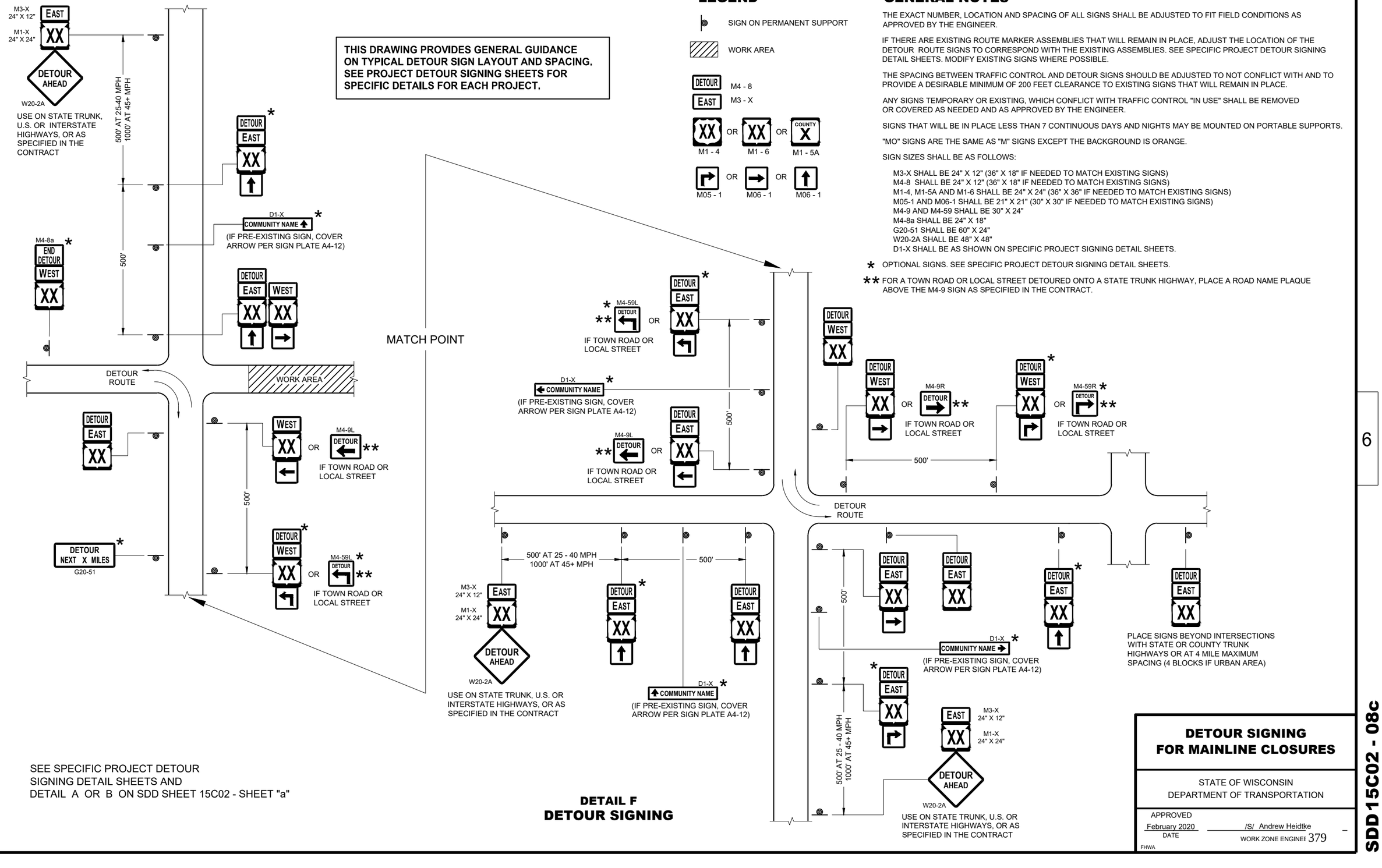
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGN SIZES SHALL BE AS FOLLOWS:

- M3-X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4-8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1-4, M1-5A AND M1-6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- M05-1 AND M06-1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- M4-9 AND M4-59 SHALL BE 30" X 24"
- M4-8a SHALL BE 24" X 18"
- G20-51 SHALL BE 60" X 24"
- W20-2A SHALL BE 48" X 48"
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

* OPTIONAL SIGNS. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS.

** FOR A TOWN ROAD OR LOCAL STREET DETOURED ONTO A STATE TRUNK HIGHWAY, PLACE A ROAD NAME PLAQUE ABOVE THE M4-9 SIGN AS SPECIFIED IN THE CONTRACT.



SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS AND DETAIL A OR B ON SDD SHEET 15C02 - SHEET "a"

DETAIL F
DETOUR SIGNING

DETOUR SIGNING FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

SDD 15C02 - 08c

SDD 15C02 - 08c

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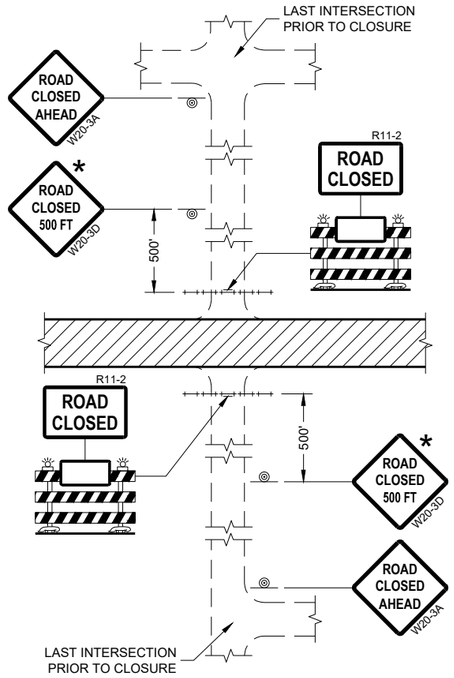
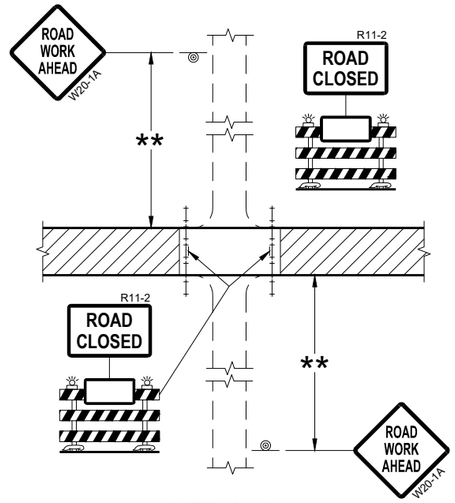
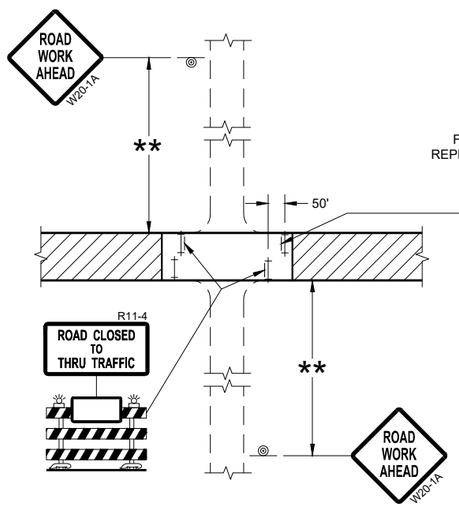


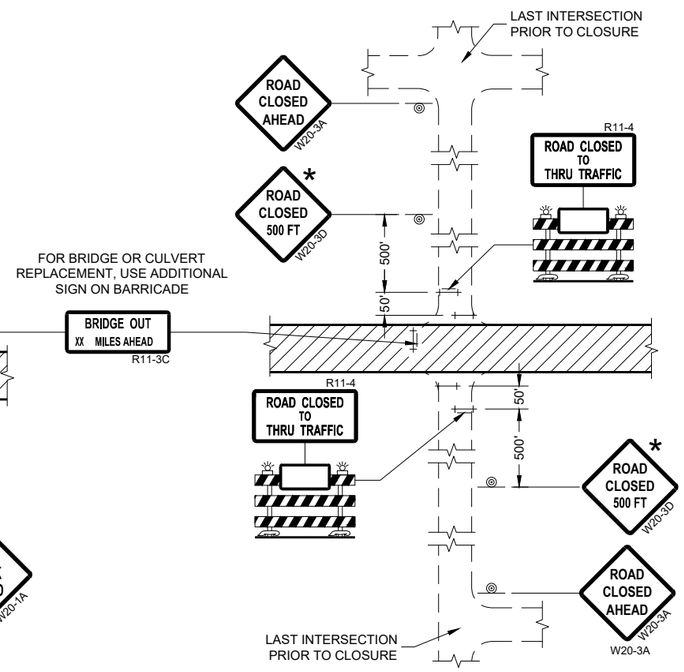
DETAIL 1
(NO ACCESS TO PROJECT)



DETAIL 2
(PUBLIC CROSS-TRAFFIC MAINTAINED.
NO ACCESS TO PROJECT)



DETAIL 3
(PUBLIC CROSS-TRAFFIC MAINTAINED.
CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)



DETAIL 4
(CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)

GENERAL NOTES

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

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

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE (500 FEET DESIRABLE) TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3, AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

* OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FEET OR LESS FROM THE WORK ZONE.

** 500' MAX. OR AT LAST INTERSECTION, WHICHEVER IS CLOSEST.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

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SDD 15C03 - 05

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SDD 15C03 - 05

GENERAL NOTES

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

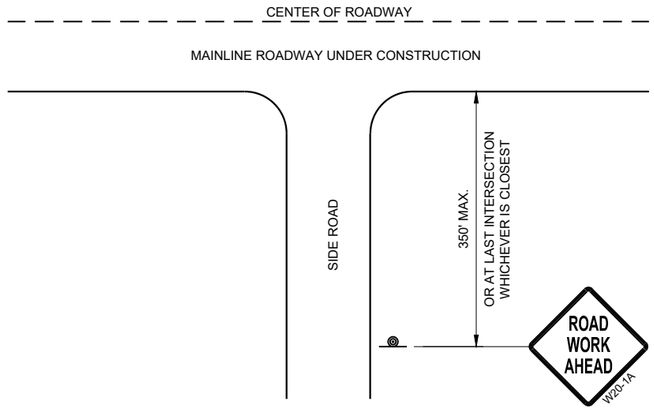
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"X36" SIGNS MAY BE USED INSTEAD OF 48" X 48" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

* THE THIRD W20-1 SIGN IS REQUIRED ONLY IF THERE IS AN INTERSECTION BETWEEN THE "ROAD WORK 500 FEET" SIGN AND THE WORK ZONE. ADJUST THE PLACEMENT OF THIS SIGN BASED ON INTERSECTION LOCATION AND OTHER FIELD CONDITIONS.



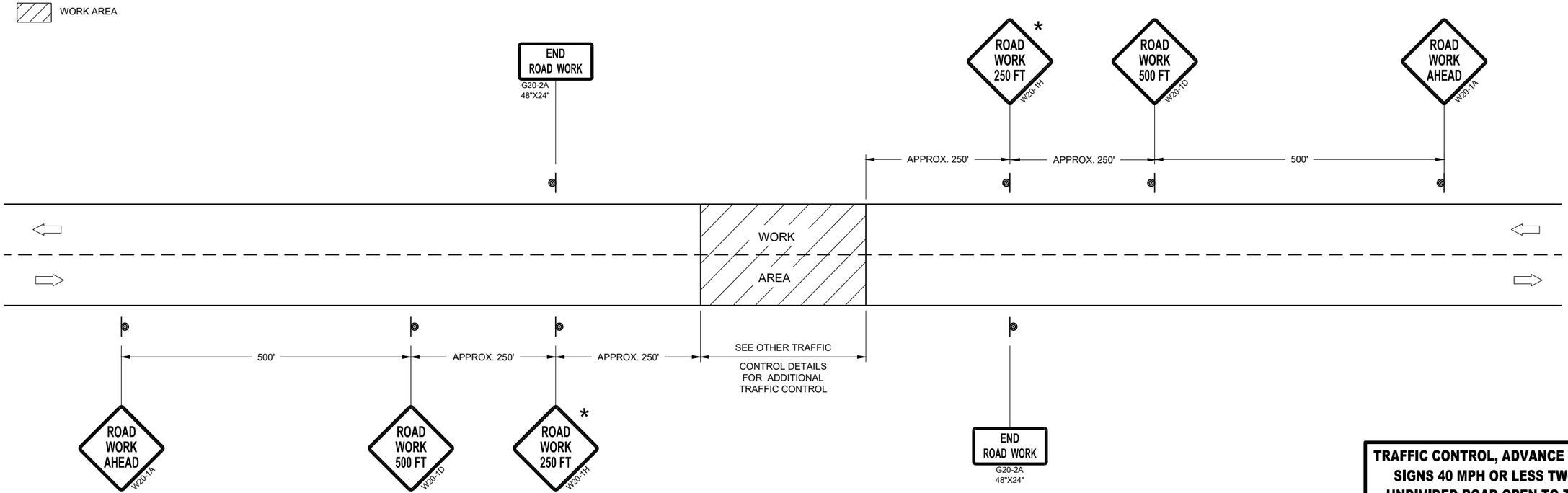
TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

WORK AREA



TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40MPH OR LESS

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

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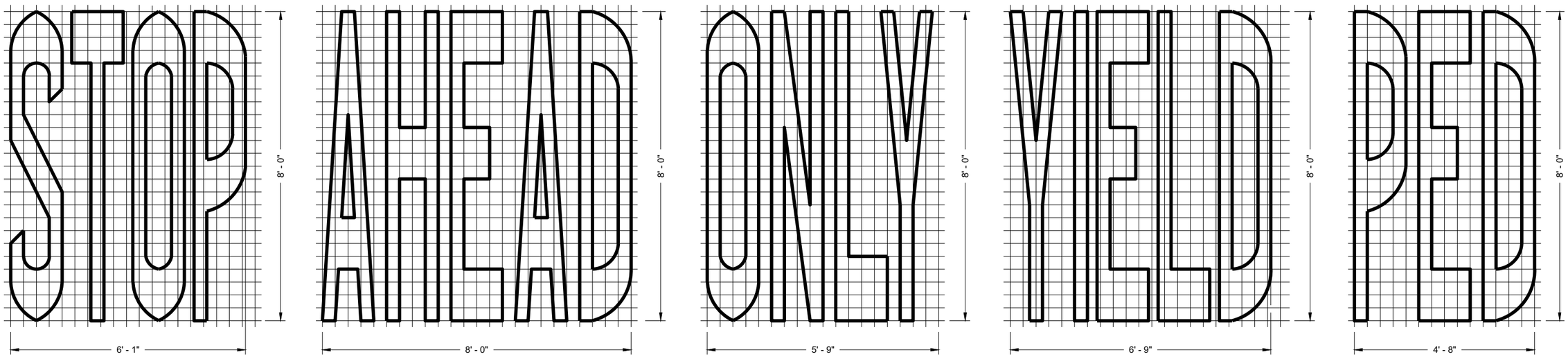
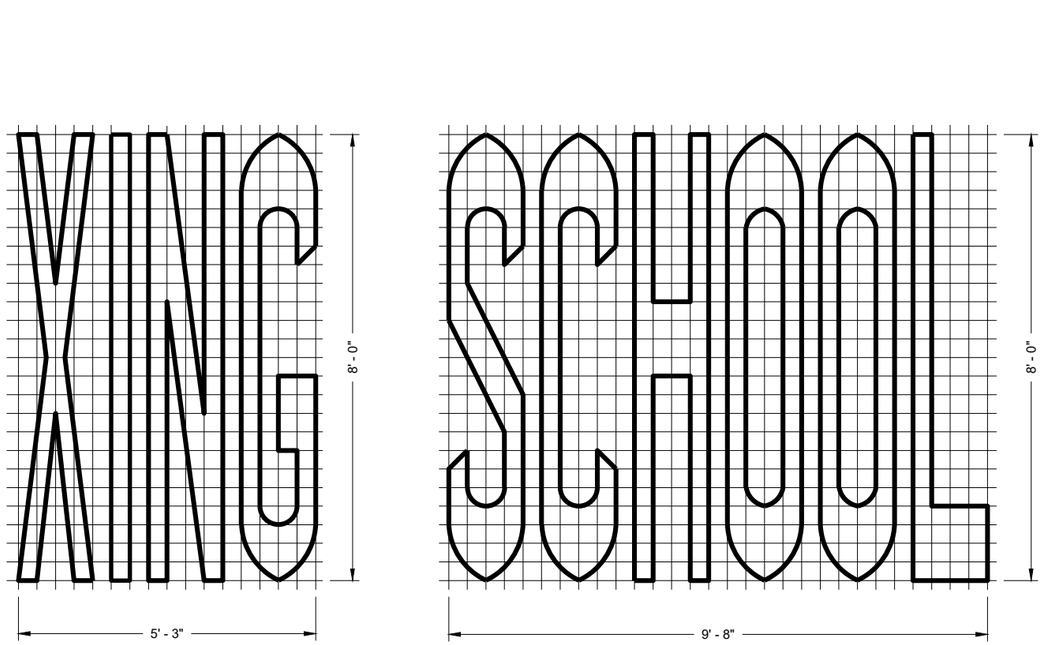
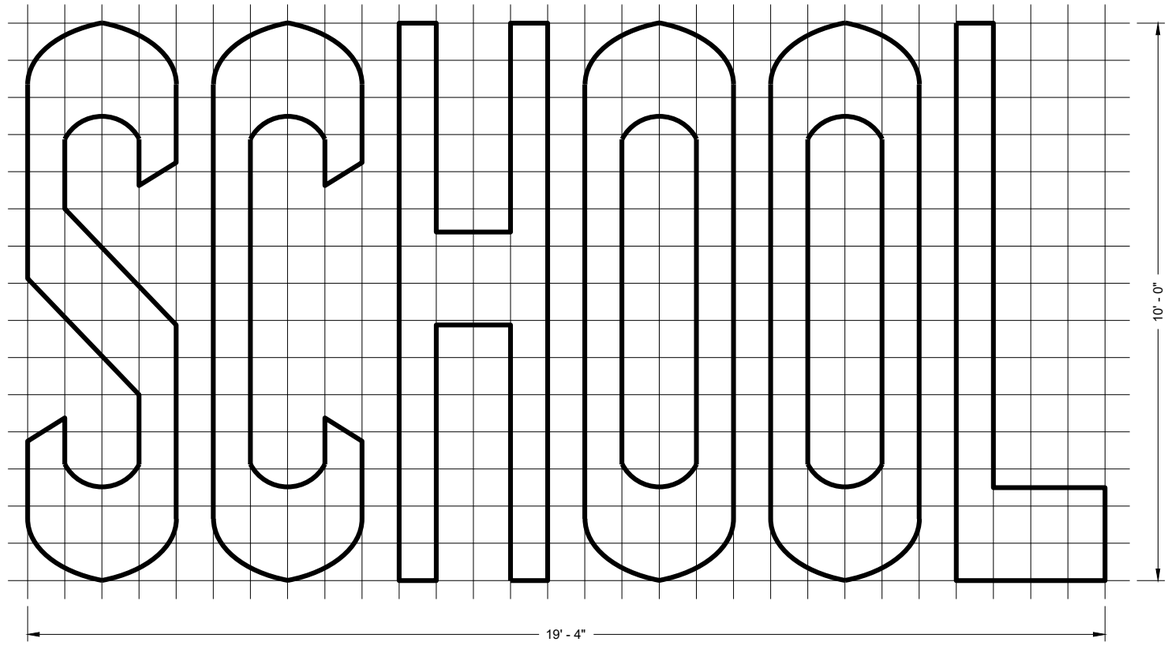
SDD 15C05 - 05





SINGLE LANE



TWO - LANE

GENERAL NOTES

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

PAVEMENT MARKING WORDS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

FHWA

6

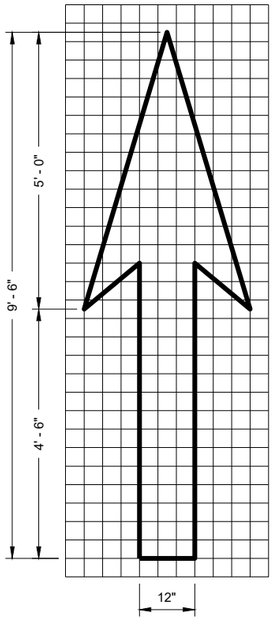
SDD 15C07 - 15b

6

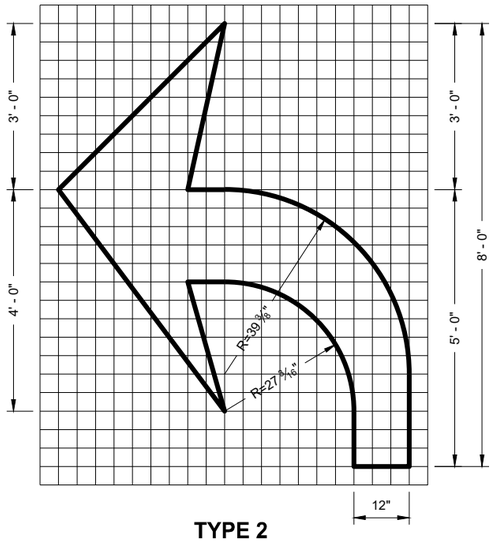
SDD 15C07 - 15b

GENERAL NOTES

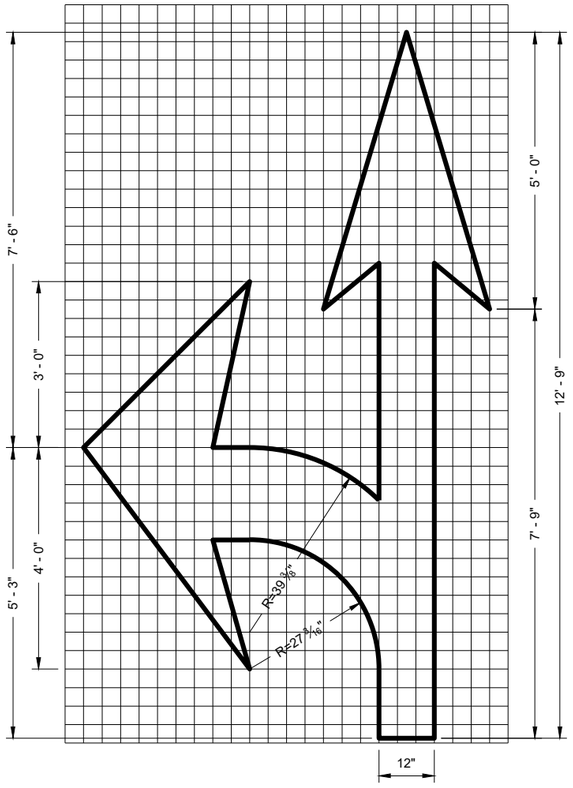
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



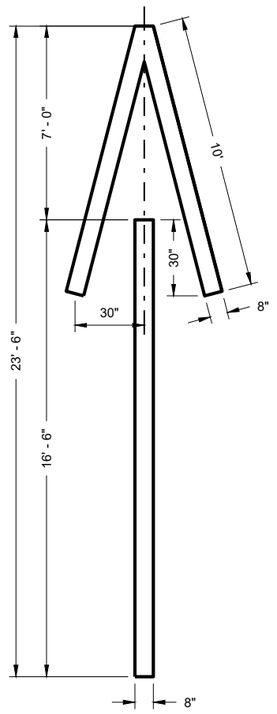
TYPE 1



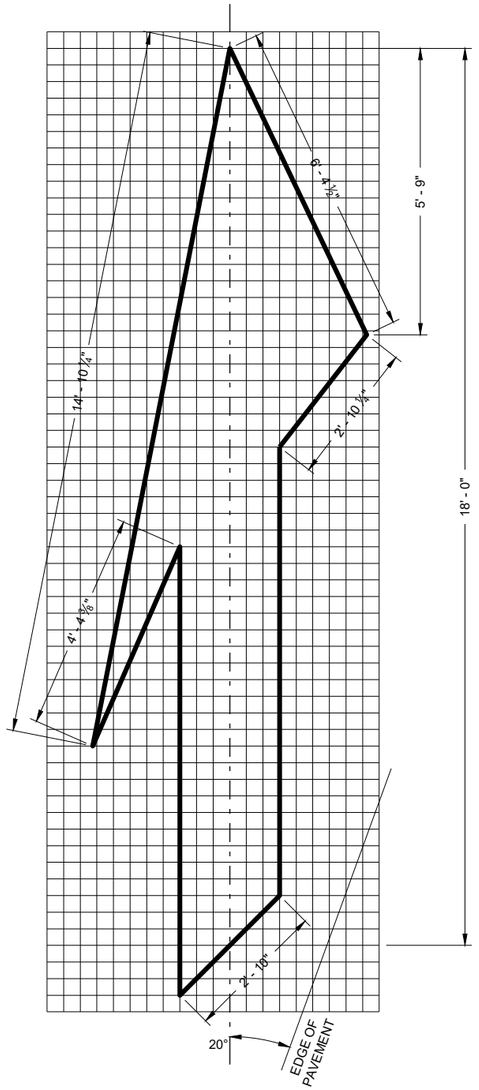
TYPE 2



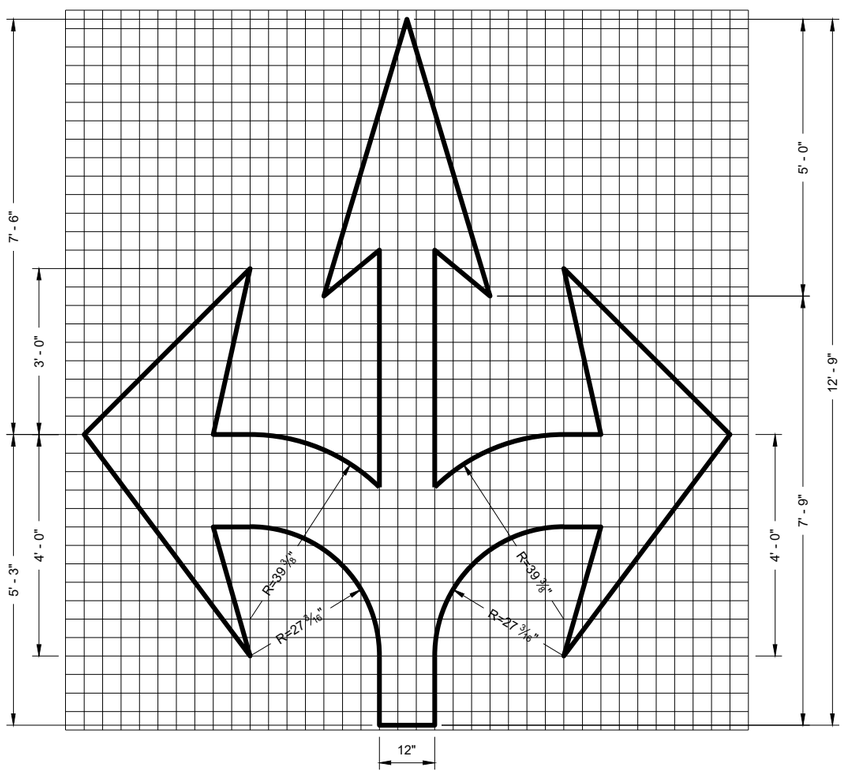
TYPE 3



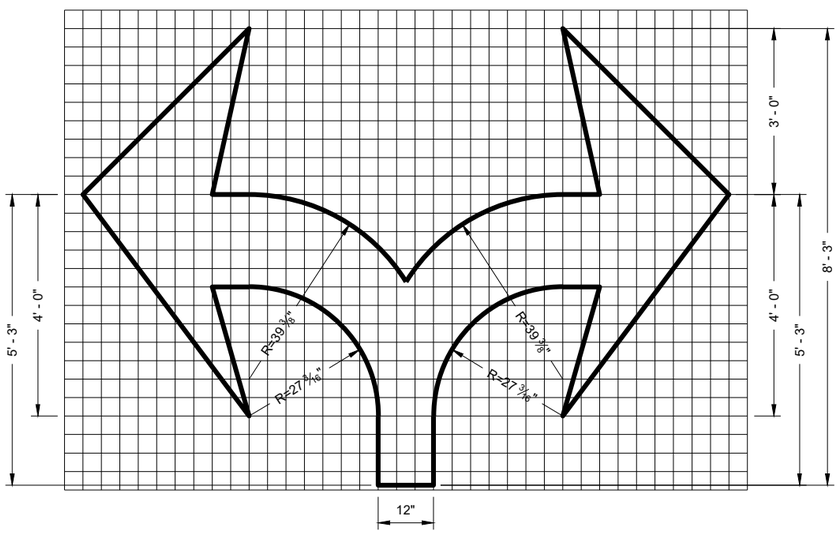
TYPE 4



TYPE 5 LANE DROP ARROW



TYPE 6



TYPE 7

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MARKING ENGINEER

FHWA

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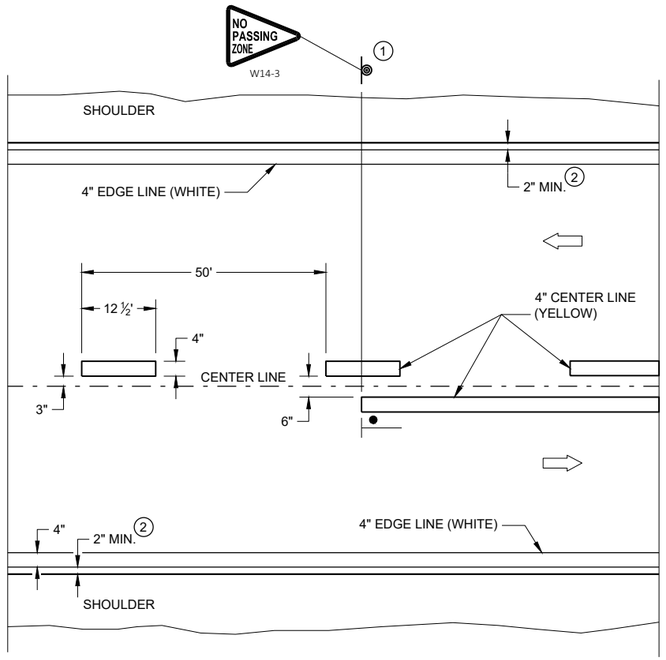
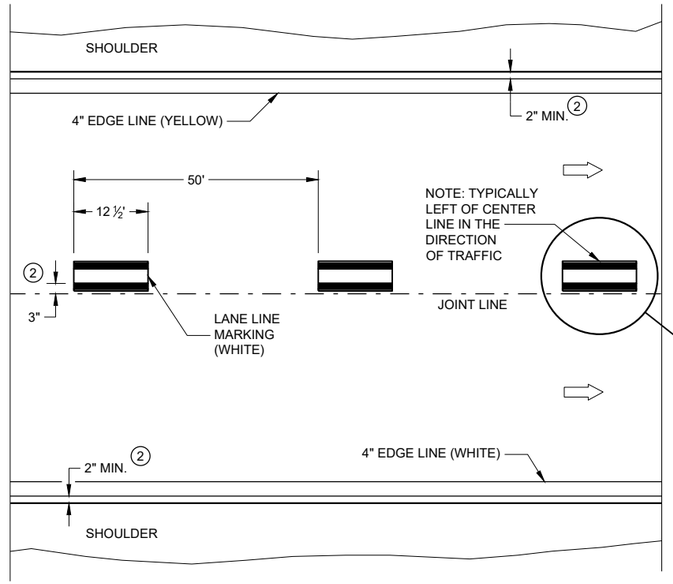
SDD 15C07 - 15c

6

SDD 15C07 - 15c

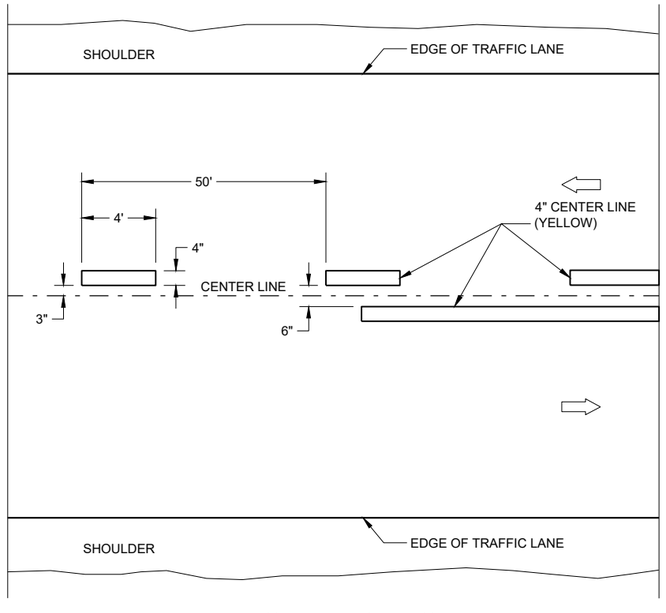


TWO WAY TRAFFIC

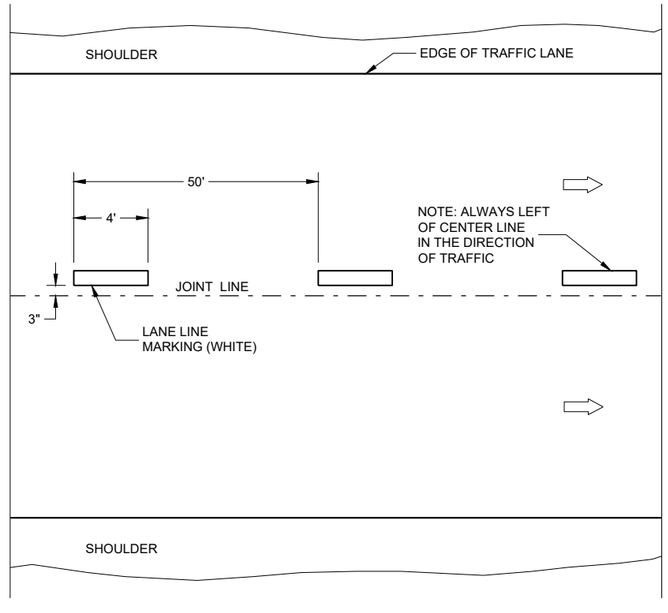


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY PAVEMENT MARKING

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

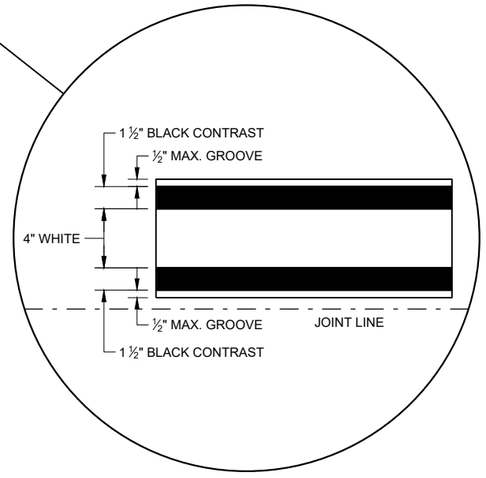
1. LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING
2. MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

LEGEND

"T" MARKING

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC



LONGITUDINAL MARKING (MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020 — DATE
/S/ Matthew Rauch — STATEWIDE SIGNING AND M ENGINEER

FHWA

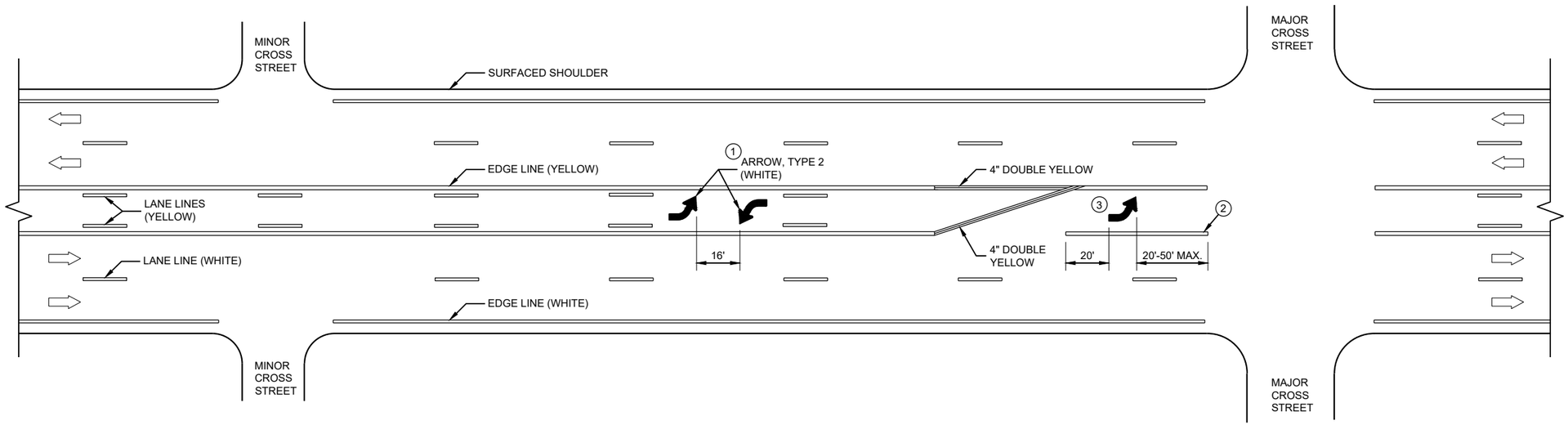
SDD 15C08 - 20a

6

GENERAL NOTES

1. A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.
2. 8" WHITE
3. TURN BAY LENGTH OF LESS THAN 48' DOES NOT REQUIRE PAVEMENT ARROWS OR TEXT.

DIRECTION OF TRAFFIC



TWO WAY LEFT TURN LANE

6

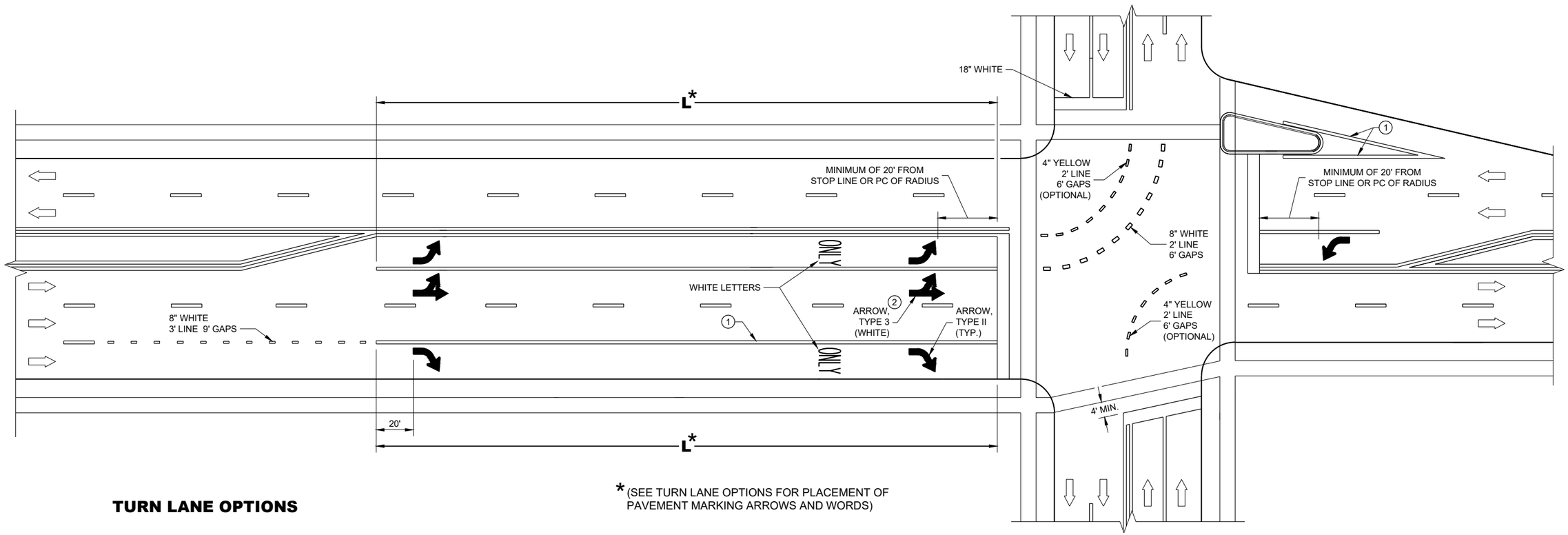
6

SDD 15C08 - 20b

SDD 15C08 - 20b

PAVEMENT MARKING (TURN LANES)

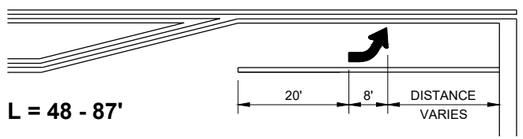
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



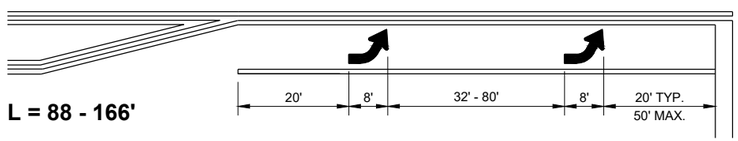
* (SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

TURN LANE OPTIONS

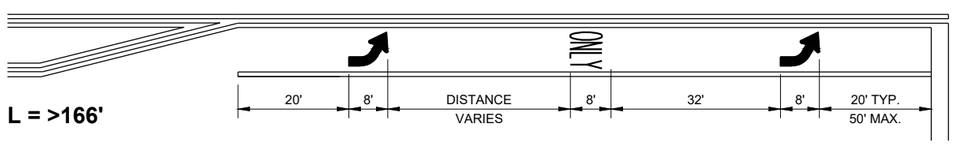
LENGTH OF TURN BAY (**L**) OF 0 - 47' DOES NOT REQUIRE PAVEMENT MARKING ARROWS OR WORDS



L = 48 - 87'



L = 88 - 166'



L = >166'

GENERAL NOTES

1. 8" WHITE
2. QUANTITY AND LOCATION OF TYPE 3 ARROWS ARE THE SAME AS THE TYPE II ARROWS IN THE ADJACENT TURN LANE. FOR TURN LANES WITH A PHYSICAL SEPARATION IN THE SAME DIRECTION OF TRAVEL, THE ARROWS AND "ONLY" MARKING MAY BE ELIMINATED.

DIRECTION OF TRAFFIC

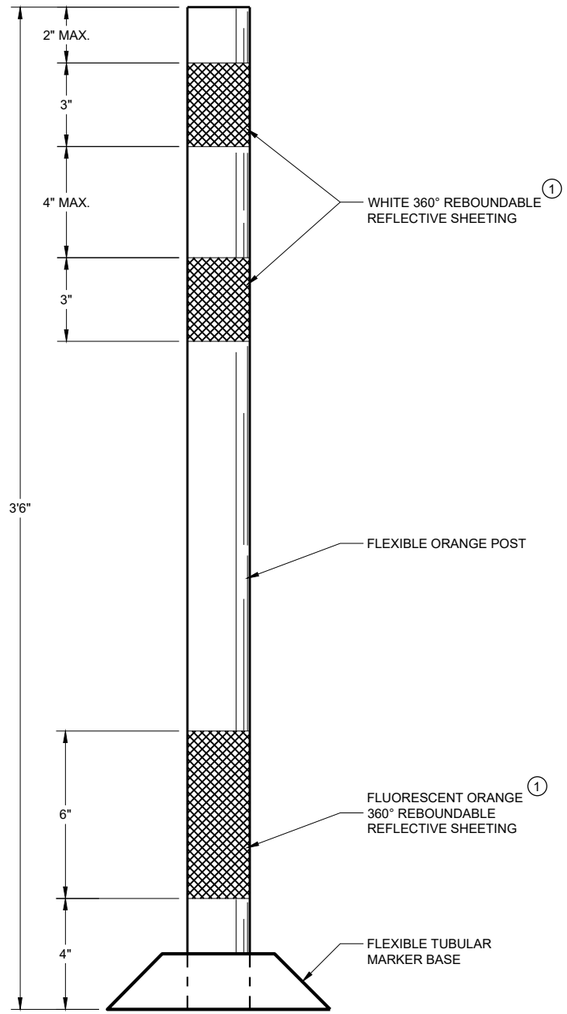
L = LENGTH OF TURN BAY

PAVEMENT MARKING (TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15C08 - 20c



FLEXIBLE TUBULAR MARKER POST WORK ZONE

GENERAL NOTES

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

SURFACE MOUNTED BASES SHALL BE FURNISHED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS TO BE COMPATIBLE WITH FLEXIBLE TUBULAR MARKER POSTS TO A SIZE AND SHAPE THAT WILL PROVIDE A STABLE POST FOUNDATION WHEN SECURED TO THE PAVEMENT.

THE ASPHALTIC ADHESIVE OR BUTYL PAD FURNISHED SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS, UNLESS DIRECTED BY THE ENGINEER TO USE BOLTS.

(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

CHANNELIZING DEVICES FLEXIBLE TUBULAR MARKER POST

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2021 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER
FHWA

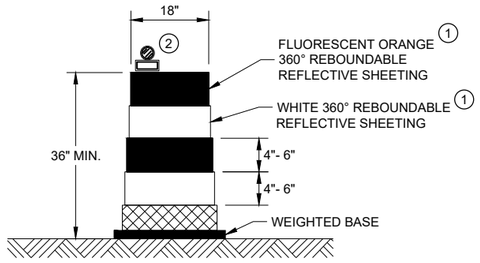
6

SDD 15C11 - 09a

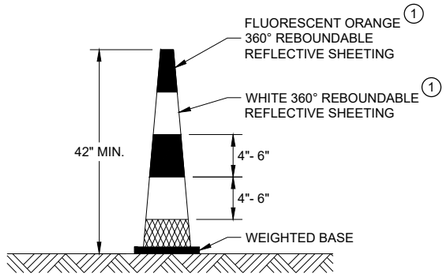
SDD 15C11 - 09a

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.

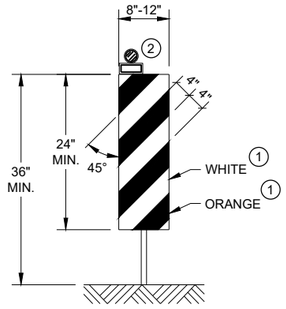


DRUM



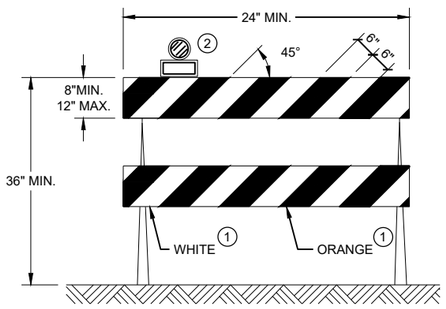
42" CONE

DO NOT USE IN TAPERS
½ SPACING OF DRUMS



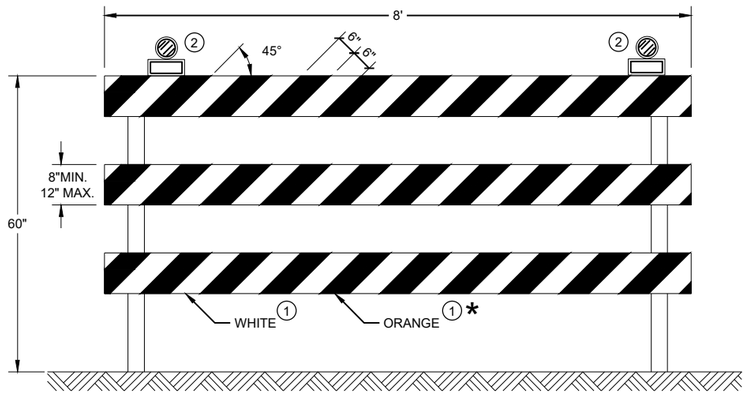
VERTICAL PANEL

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 ENGINEER

FHWA

6

SDD15C11 - 09b

6

SDD15C11 - 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.

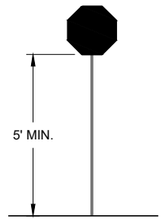
(3) EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS SPACED ACCORDING TO MANUFACTURER'S RECOMMENDATION, PLACED TRANSVERSE ACROSS THE LANE AT LOCATIONS SHOWN.

ONLY USE TEMPORARY PORTABLE RUMBLE STRIPS FOR THE APPROVED PRODUCTS LIST.

INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS.

PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.

DO NOT INSTALL TEMPORARY PORTABLE RUMBLE STRIPS ON GRAVEL, MILLED SURFACES, OR ASPHALT THAT HAS BEEN PAVED LESS THAN 12 HOURS.



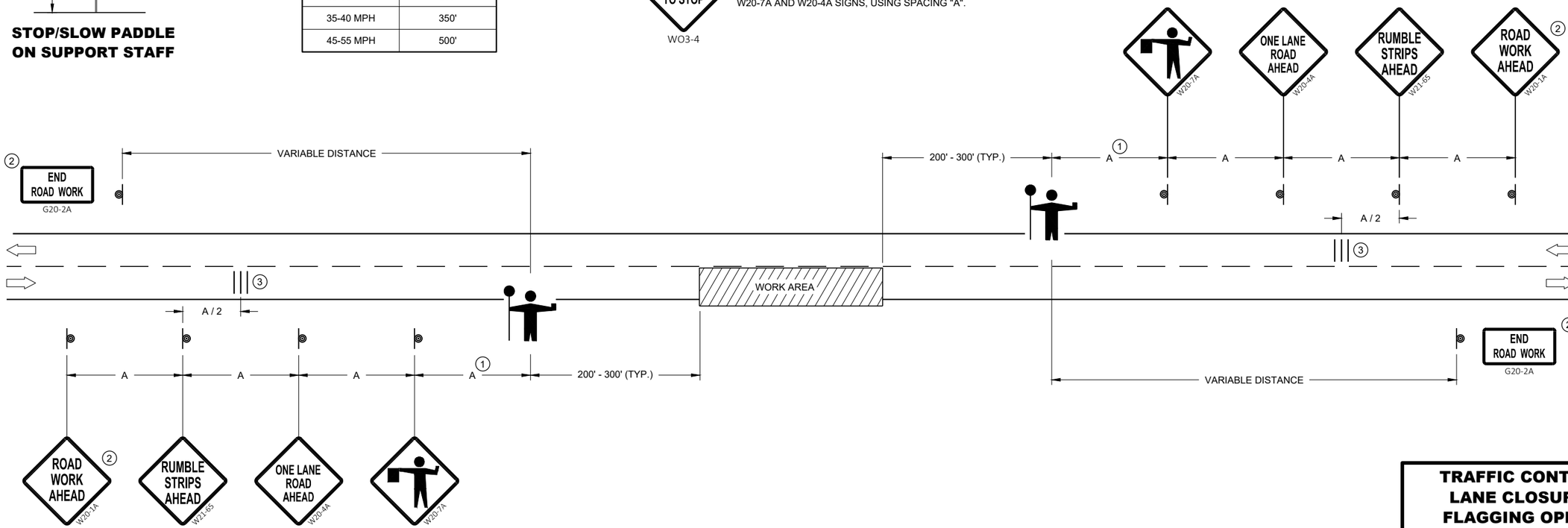
STOP/SLOW PADDLE ON SUPPORT STAFF

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

TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

389

FHWA

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SDD 15C12 - 07

LEGEND

V1 LEAD VEHICLE

V2 MARKING VEHICLE

V3 SHADOW VEHICLE

TRUCK MOUNTED ATTENUATOR (TMA)

SIGN ON TEMPORARY SUPPORT

DIRECTION OF TRAFFIC

FLASHING ARROW PANEL (CAUTION)

GENERAL NOTES

ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.

ALL VEHICLES SHALL BE EQUIPPED WITH REAR FACING TYPE B OR C FLASHING ARROW PANEL OPERATING IN CAUTION MODE. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.

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

DISTANCE BETWEEN VEHICLES MAY VARY ACCORDING TO TERRAIN, SIGHT DISTANCE, PAINT DRYING TIME, AND OTHER FACTORS. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, SHADOW VEHICLES SHOULD MAINTAIN THE MINIMUM DISTANCE FROM THE WORK VEHICLE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. SHADOW VEHICLES SHOULD SLOW DOWN IN ADVANCE OF VERTICAL AND HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.

THE WORK AND SHADOW VEHICLES SHOULD PULL OVER PERIODICALLY TO ALLOW TRAFFIC TO PASS.

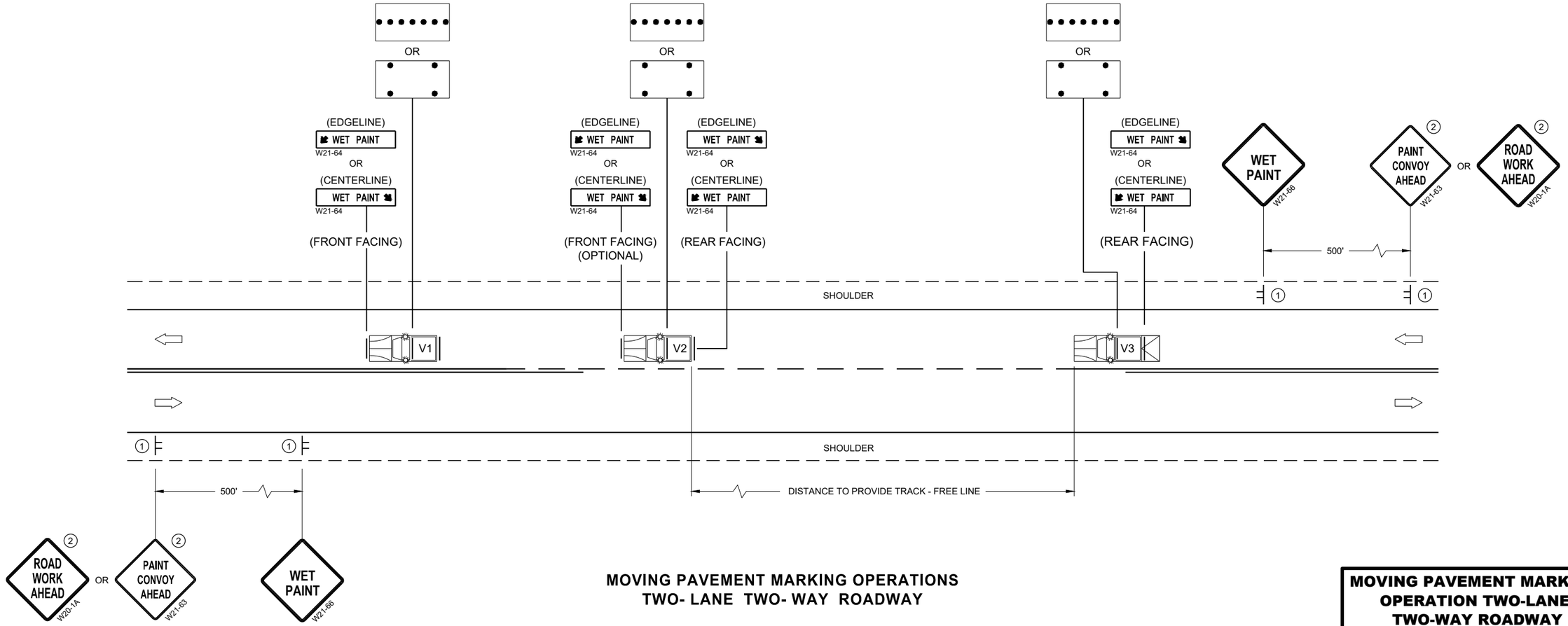
WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR LAY STATIONARY SIGNS AND SUPPORTS FLAT ON THE GRADE WITH UPRIGHTS ORIENTED PARALLEL TO AND DOWNSTREAM FROM TRAFFIC.

CONES SHOULD BE USED BETWEEN THE MARKING AND SHADOW VEHICLE AT 100 FOOT SPACING. CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.

CONES SHALL BE A MINIMUM OF 18" FOR WET PAVEMENT MARKING .

(1) SIGNS SHALL BE REPEATED APPROXIMATELY EVERY THREE MILES.

(2) IF CONSTRUCTION WORK ZONE SIGNS ARE IN PLACE, W20-1A OR W21-63 ARE NOT REQUIRED.



MOVING PAVEMENT MARKING OPERATIONS TWO- LANE TWO- WAY ROADWAY

MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6

SDD 15C19 - 06a

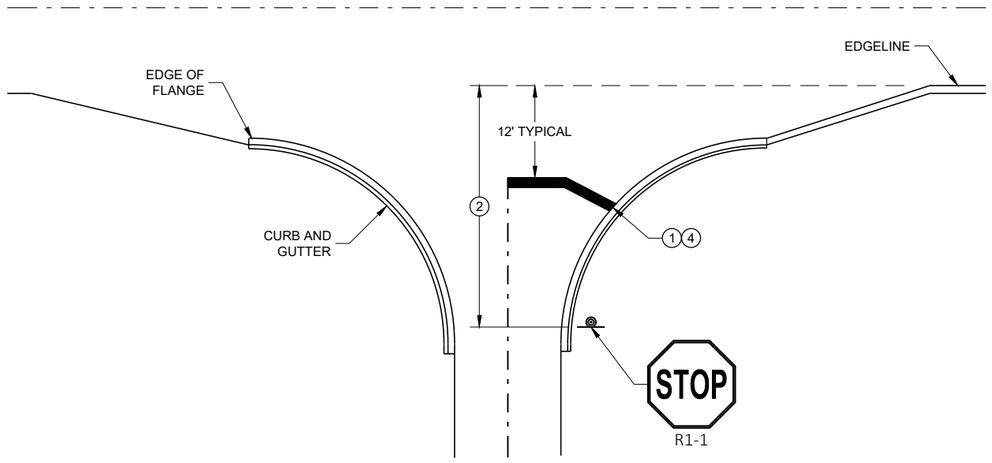
6

SDD 15C19 - 06a

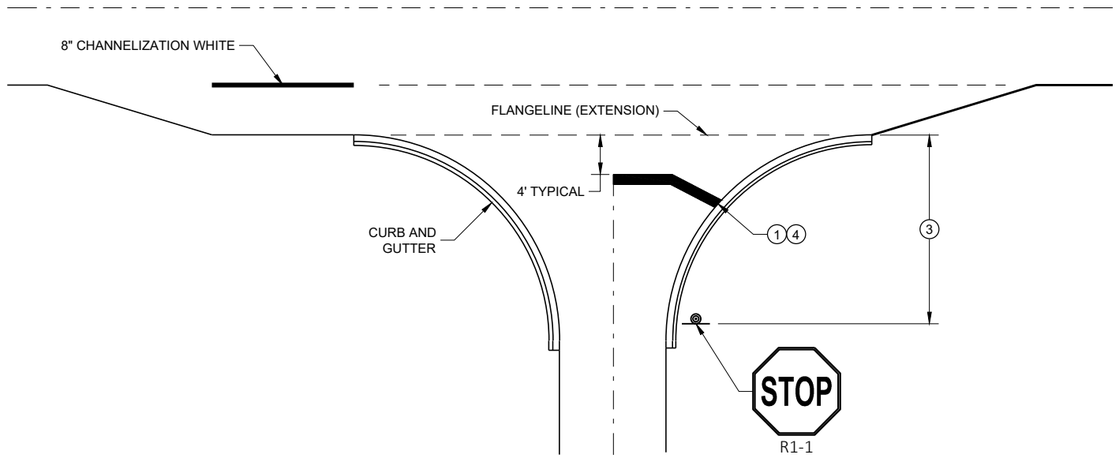
GENERAL NOTES

STOP SIGN SHALL BE PLACED A MINIMUM OF 6 FEET TO A MAXIMUM OF 50 FEET FROM THE EDGELINE LOCATION.

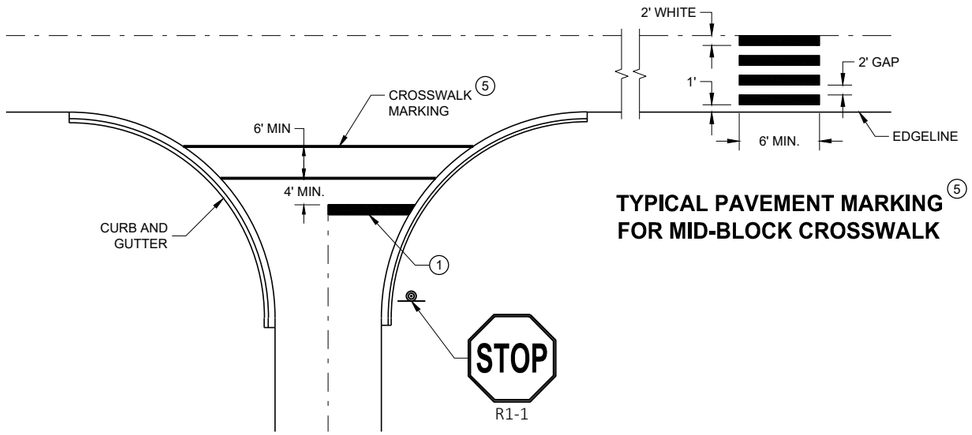
1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
3. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE EXTENSION.
4. MOVE CLOSER TO THE EDGE OF TRAVEL LINE AS NEEDED FOR VISIBILITY AND SIGHT LINES (NO CLOSER THAN 4 FEET).
5. LADDER BAR CROSSWALKS SHOULD ONLY BE USED FOR MID BLOCK CROSSINGS. USE 2 - 6" TRANSVERSE LINES INSTEAD.



TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER

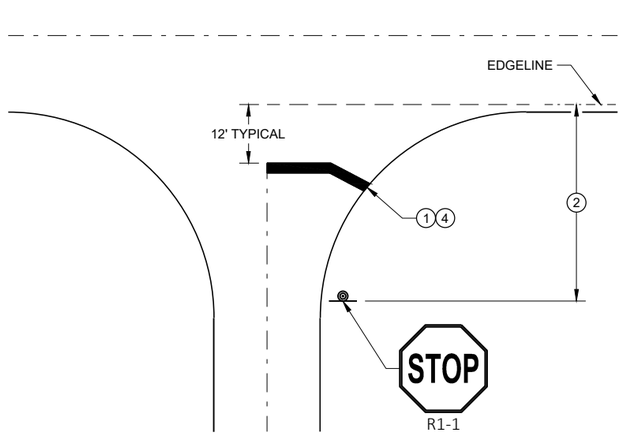


TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING

TYPICAL PAVEMENT MARKING 5 FOR MID-BLOCK CROSSWALK



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

STOP LINE AND CROSSWALK PAVEMENT MARKING

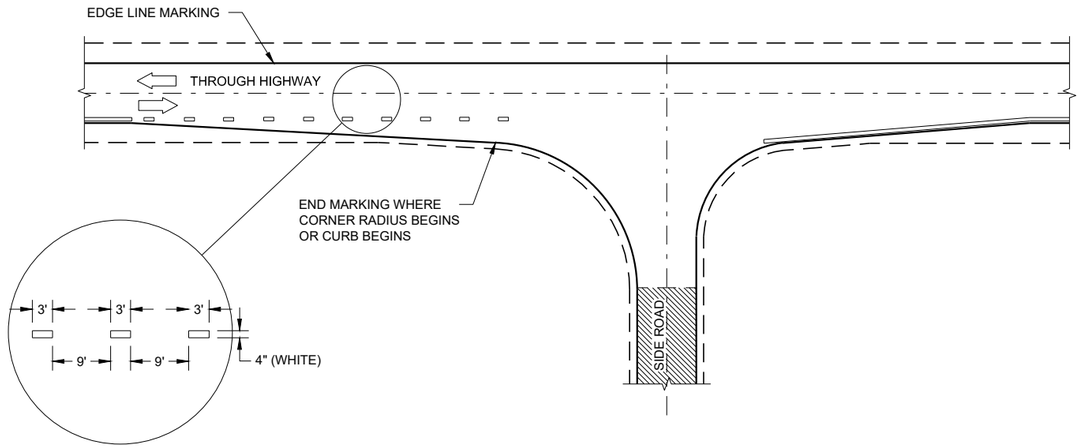
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MARKING ENGINEER

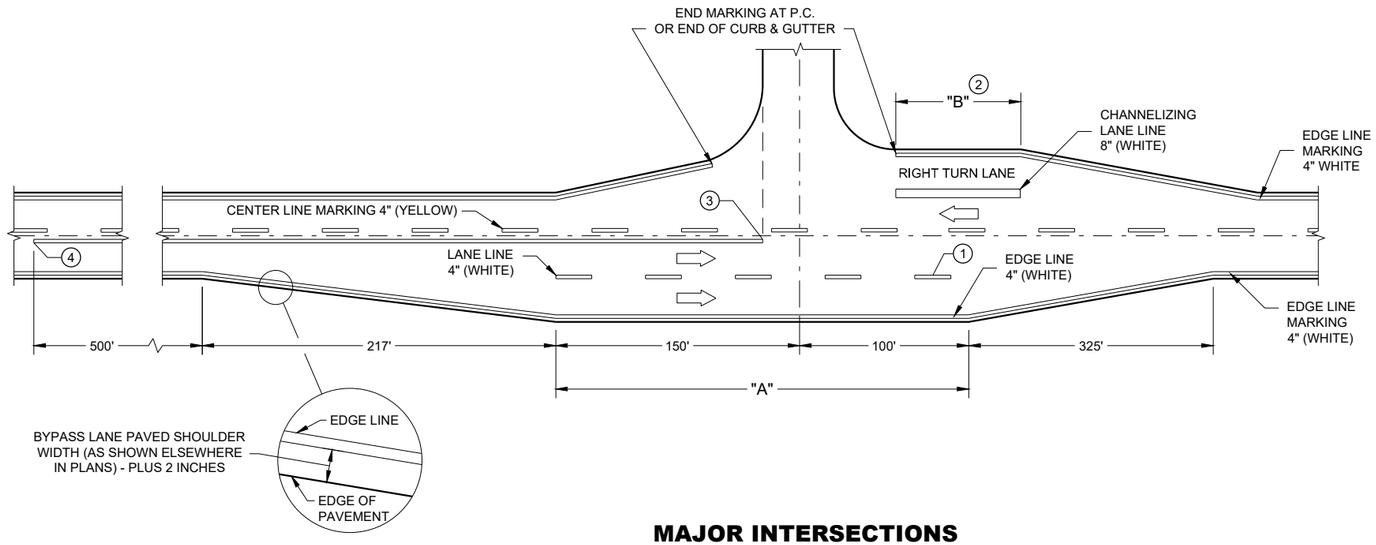
FHWA

SDD 15C33 - 04

SDD 15C33 - 04



MINOR INTERSECTION



MAJOR INTERSECTIONS

(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANE)

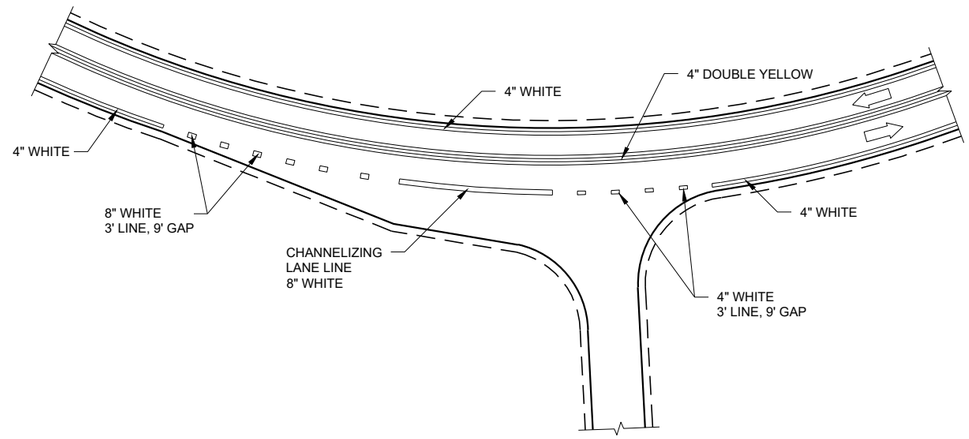
GENERAL NOTES

OMIT EDGE LINES THROUGH INTERSECTIONS. CONTINUE EDGE LINES THROUGH DRIVEWAYS.

1. WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.
2. WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.
3. BARRIER LINE ENDS AT SIDE ROAD PAVEMENT / SURFACE EDGE EXTENSION.
4. BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.

LEGEND

DIRECTION OF TRAVEL



INTERSECTION ON OUTSIDE OF CURVE

PAVEMENT MARKING (INTERSECTIONS)

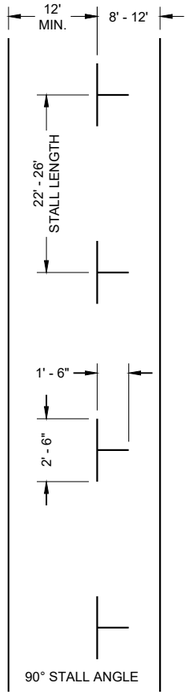
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

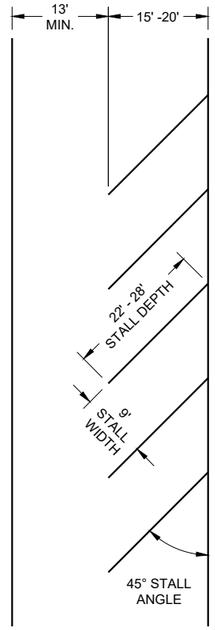
SDD 15C35 - 04a

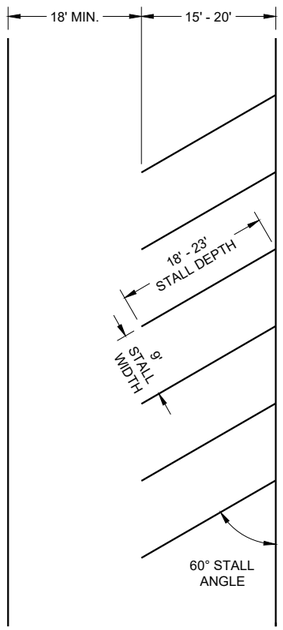
6

SDD 15C35 - 04a



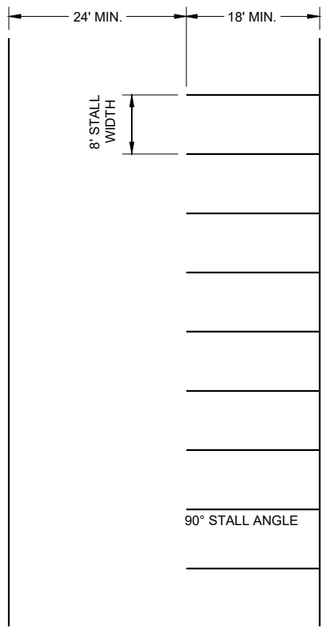
PARALLEL PARKING





ANGLED PARKING

(ANGLED PARKING IS NOT ALLOWED ON STATE HIGHWAYS UNLESS A DESIGN JUSTIFICATION HAS BEEN COMPLETED.)



PARKING LOTS

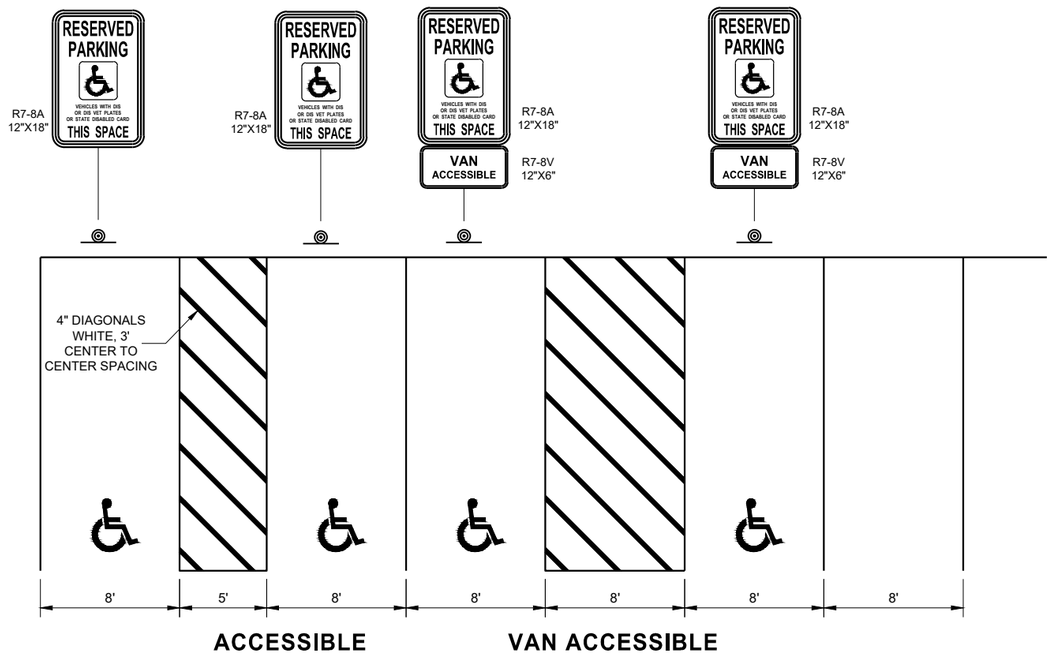
GENERAL NOTES

ALL LINES 4" WHITE (UNLESS OTHERWISE NOTED)

LAST PARKING STALL IS A MINIMUM OF 15' FROM THE CROSSWALK.

LEGEND

SIGN ON PERMANENT SUPPORT



ACCESSIBLE

VAN ACCESSIBLE

PARKING STALL MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2019 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MAR ENGINEER

FHWA

6

SDD 15C36 - 01

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 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.

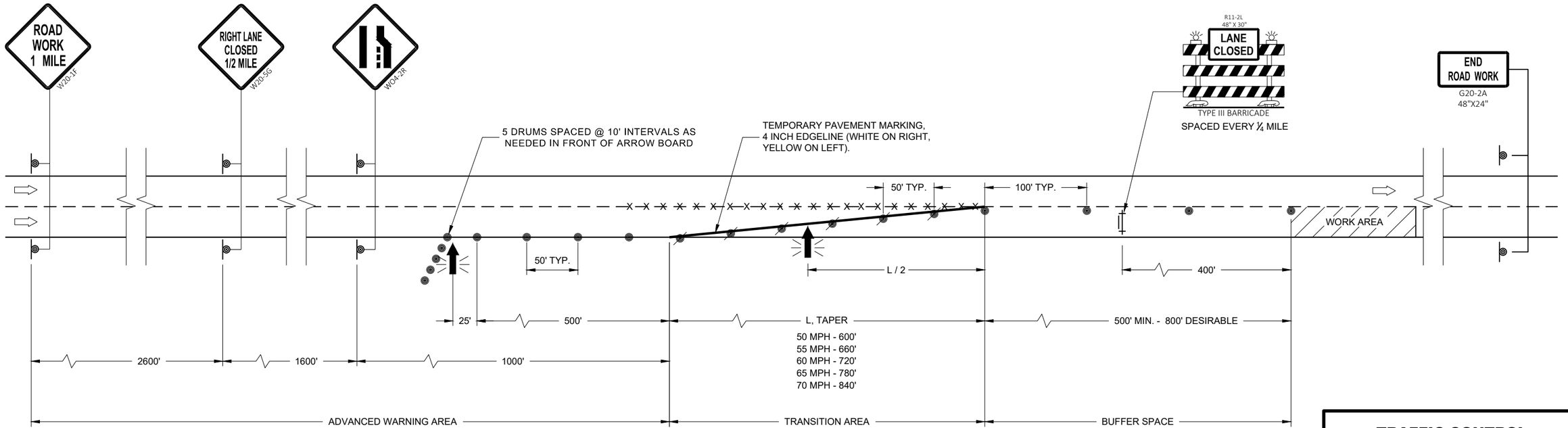
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

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



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SDD 15D12 - 09a

TRAFFIC CONTROL LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6

SDD 15D12 - 09a

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, REMOVABLE TAPE 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.

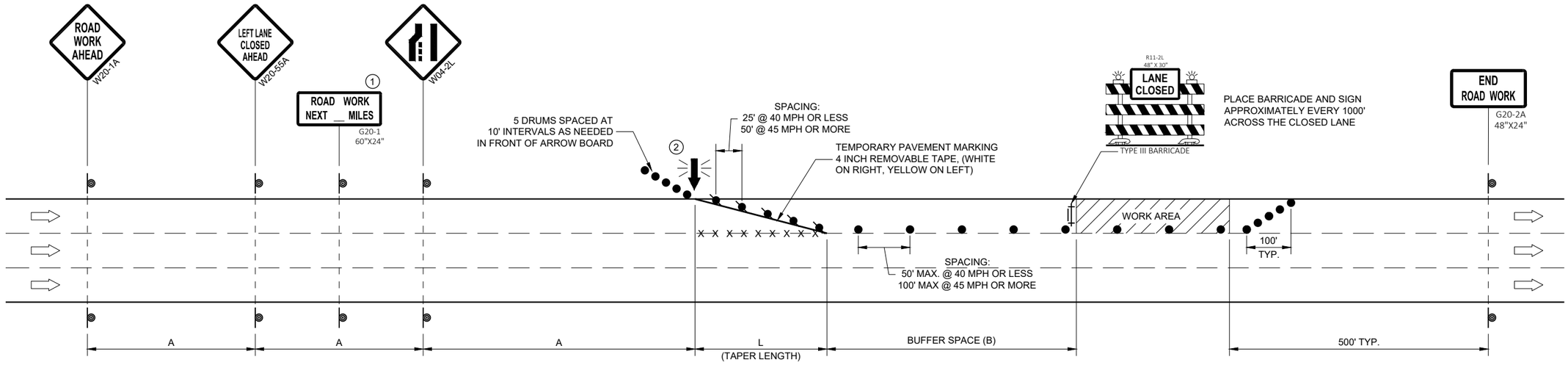
BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

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
May 2020 — DATE
/S/ Andrew Heidtke — STATEWIDE WORK ZONE T SAFETY ENGINEER
FHWA

6

SDD15D20 - 05a

LEGEND

SIGN ON PERMANENT SUPPORT

TRAFFIC CONTROL DRUM

DIRECTION OF TRAFFIC

WORK ZONE

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" SIGNS MAY BE USED IF APPROVED BY THE REGIONAL TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

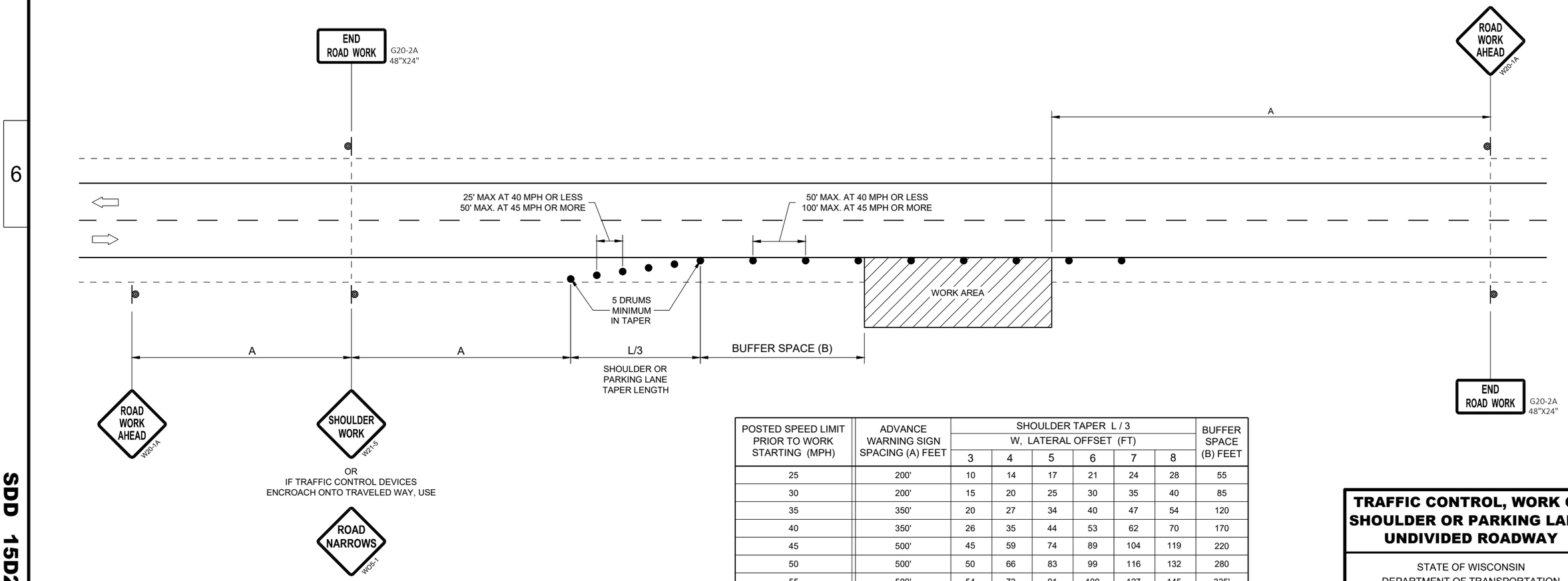
ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

W20-1A AND G20-2A SIGNS ARE NOT REQUIRED IF THE WORK AREA IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT. G20-2A SIGNS MAY ALSO BE OMITTED IF DURATION OF WORK IS LESS THAN 7 CONTINUOUS DAYS AND NIGHTS.



POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHOULDER TAPER L / 3 W, LATERAL OFFSET (FT)						BUFFER SPACE (B) FEET
		3	4	5	6	7	8	
25	200'	10	14	17	21	24	28	55
30	200'	15	20	25	30	35	40	85
35	350'	20	27	34	40	47	54	120
40	350'	26	35	44	53	62	70	170
45	500'	45	59	74	89	104	119	220
50	500'	50	66	83	99	116	132	280
55	500'	54	73	91	109	127	145	335'

TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2020
DATE

/S/ Andrew Heidtke
STATEWIDE WORK ZONE T SAFETY ENGINEER

FHWA

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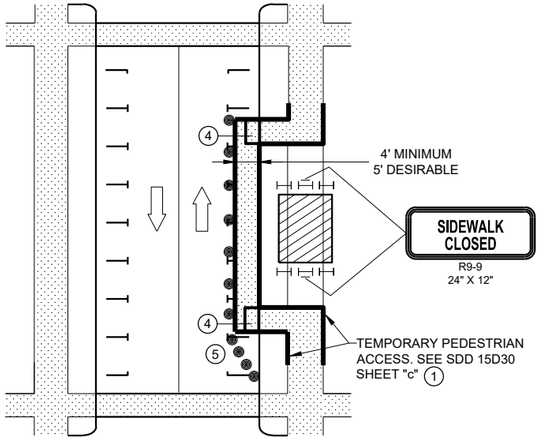
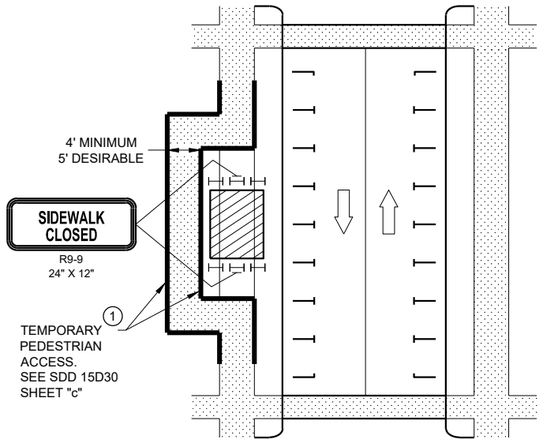
SDD 15D28 - 04

NOTE: MAY BE USED ON ROADWAY WITH POSTED SPEED OF LESS THAN 40 MPH.

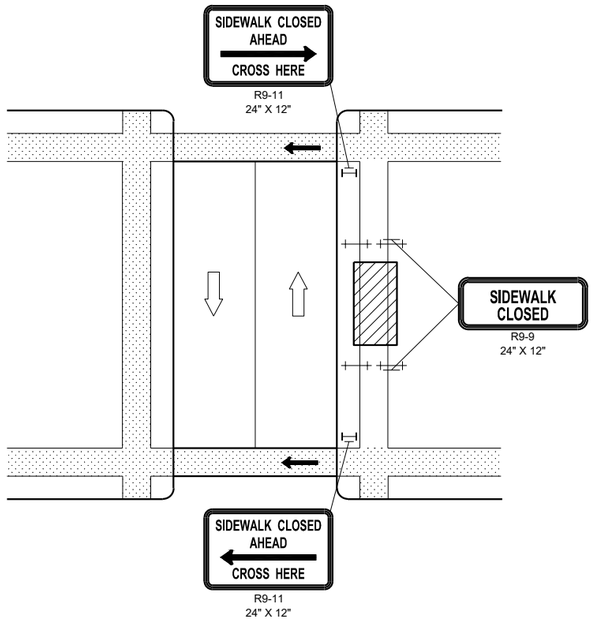


MID-BLOCK SIDEWALK CLOSURE IN PARKING LANE

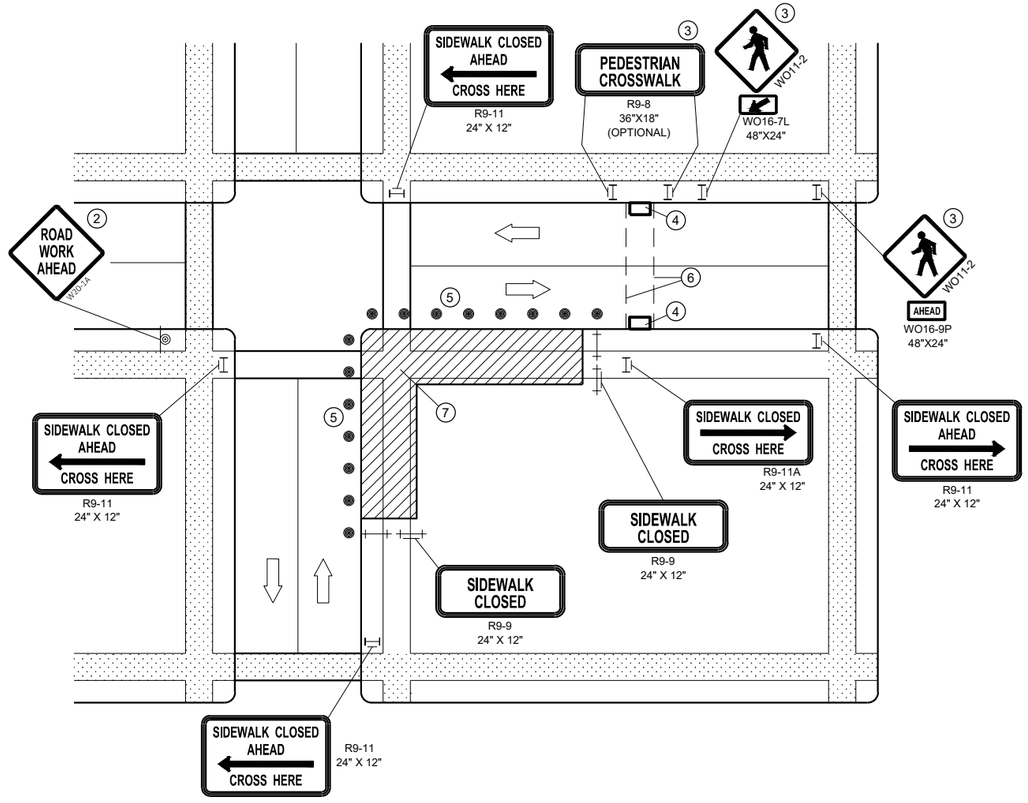
NOTE: LAYOUT SAME AS ABOVE.



SIDEWALK DIVERSION



MID-BLOCK SIDEWALK CLOSURE



CORNER SIDEWALK CLOSURE WITH TEMPORARY CROSSWALK

GENERAL NOTES

WHEN CLOSING OR RELOCATING CROSSWALKS OR SIDEWALKS, PROVIDE DETECABLE TEMPORARY FACILITIES AND INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH EXISTING PEDESTRIAN FACILITIES.

TEMPORARY TRAFFIC CONTROL DEVICES FOR PEDESTRIANS ARE SHOWN. OTHER DEVICES MAY BE NECESSARY TO CONTROL VEHICULAR TRAFFIC. STAGE WORK AS NECESSARY, TO PROVIDE A TEMPORARY PEDESTRIAN ACCESS ROUTE AT ALL TIMES. FOR ROADWAYS WITH NO AVAILABLE DETOURS, MAINTAIN ONE OPEN SIDEWALK AT ALL TIMES.

"WO" SIGN IS THE SAME AS "W" SIGN, EXCEPT THE BACKGROUND IS ORANGE.

FOR NIGHTIME CLOSURE, USE TYPE "A" FLASHING WARNING LIGHTS ON BARRICADES, SUPPORTING SIGNS AND CLOSING SIDEWALK. USE TYPE "C" STEADY BURN LIGHTS ON CHANNELIZING DEVICES SEPARATING THE WORK AREA FROM VEHICULAR TRAFFIC.

PEDESTRIAN TRAFFIC SIGNAL DISPLAY CONTROLLING CLOSED CROSSWALK SHALL BE COVERED OR DEACTIVATED.

POST MOUNTED SIGNS LOCATED ADJACENT TO A SIDEWALK SHALL HAVE A 7 FOOT MINIMUM CLEARANCE FROM THE BOTTOM OF THE SIGN TO THE SIDEWALK SURFACE.

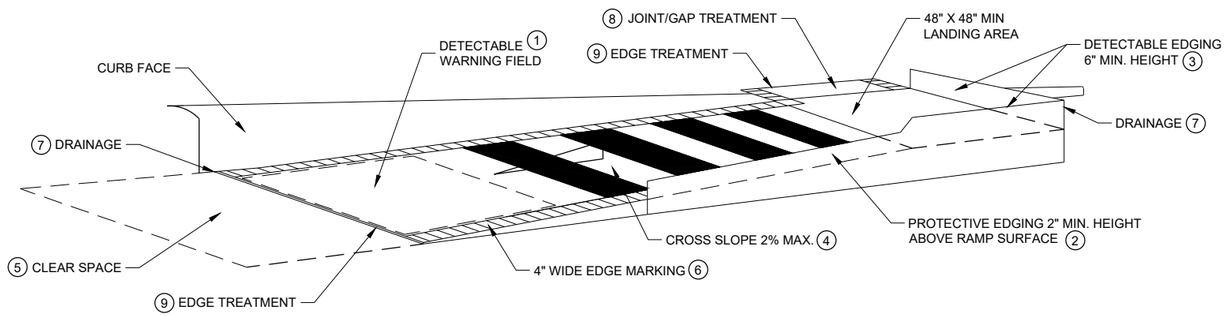
ALTERNATE SIDEWALK WORK BETWEEK LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

1. IF SIDEWALK CLOSURE AFFECTS AN ACCESSIBLE AND DETECTABLE FACILITY, MAINTAIN ACCESSIBILITY AND DETECTABILITY ALONG THE ALTERNATE PEDESTRIAN ROUTE
2. "ROAD WORK AHEAD" SIGNS ARE NOT REQUIRED IF THE SIDEWALK CLOSURE OCCURS WITHIN A LARGER WORK ZONE WHERE ADVANCE WARNING SIGNS ARE ALREADY PRESENT, OR IF THE WORK AREA AND EQUIPMENT ARE MORE THAN 2 FEET BEHIND THE CURB.
3. IF TEMPORARY PEDESTRIAN CROSSWALK IS NOT PROVIDED, OMIT R9-8 AND WO11-2 SIGN ASSEMBLIES. IF PROVIDED INCLUDE ON BOTH SIDES OF THE CROSSWALK.
4. TEMPORARY CURB RAMPS. SEE SDD 15D30 SHEET "b'.
5. DRUMS OR BARRICADES AT 25 FOOT SPACING. STREET PARKING SHALL BE PROHIBITED FOR AT LEAST 50 FEET IN ADVANCE OF THE MID-BLOCK CROSSWALK.
6. TEMPORARY PAVEMENT MARKING FOR CROSSWALK LINES.
7. LIMIT WORK TO ONE QUADRANT AT A TIME TO MINIMIZE PEDESTRIAN DISRUPTION.

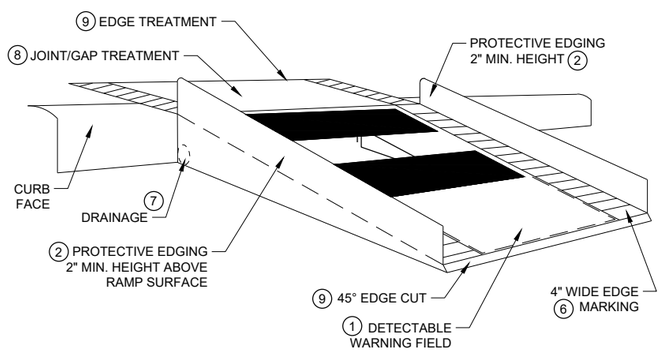
LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE II BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW INTENSITY FLASHING)
- TYPE III BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW INTENSITY FLASHING)
- UNDER PEDESTRIAN TRAFFIC
- WORK AREA
- PEDESTRIAN CHANNELIZATION DEVICE
- DIRECTION OF TRAFFIC

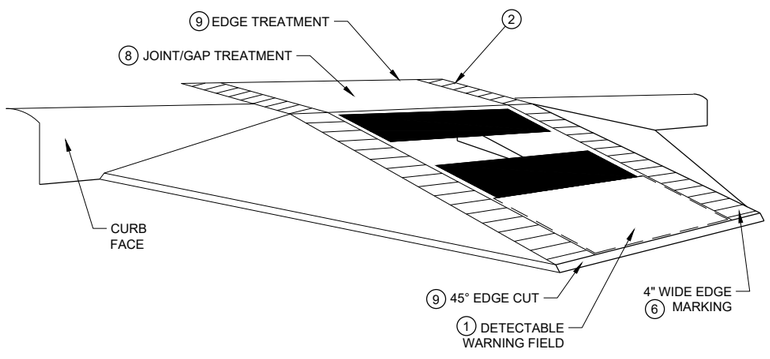
TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION



TEMPORARY CURB RAMP PARALLEL TO CURB



WITH PROTECTIVE EDGE



WITH SIDE APRON

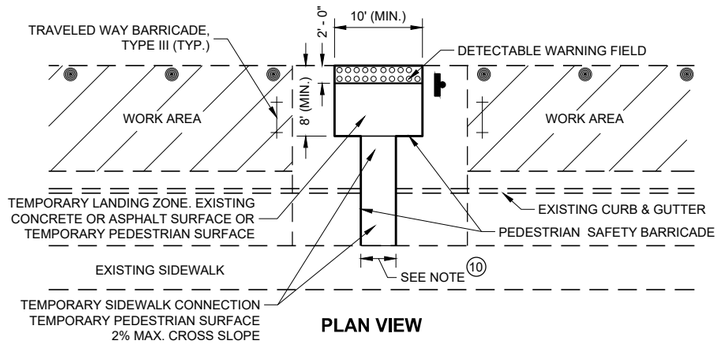
TEMPORARY CURB RAMP PERPENDICULAR TO CURB

GENERAL NOTES

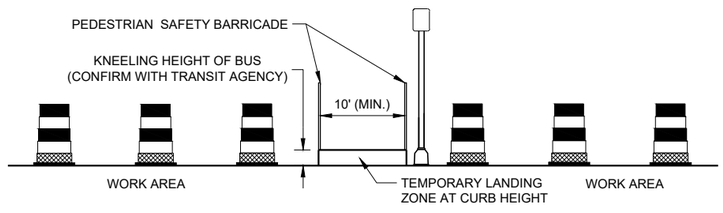
NOTIFY THE BUS COMPANY 7 DAYS IN ADVANCE OF THE BUS STOP RELOCATION.

ALTERNATE SIDEWALK WORK BETWEEN LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

1. CURB RAMPS SHALL BE 48" MIN. WIDTH WITH A A FIRM, STABLE AND SLIP RESISTANT SURFACE. INSTALL CONTRASTING DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS. REFER TO SDD 08D05, SHEET "e".
2. PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.
3. DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).
4. CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.
5. CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.
6. THE CURB RAMP WALKWAY EDGE SHALL BE MARKED WITH A YELLOW COLOR, 4" WIDE MARKING, UNLESS A CONTRASTING DETECTABLE WARNING FIELD IS PROVIDED.
7. DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.
8. LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.
9. CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES SHALL BE VERTICAL UP TO ¼" HIGH AND BEVELED AT 1:2 BETWEEN ¼" AND ½".
10. 5" WIDE MIN. WITH PEDESTRIAN SAFETY BARRICADE, 10' WIDE MIN. WITHOUT PEDESTRIAN SAFETY BARRICADE.



PLAN VIEW



PROFILE VIEW

TEMPORARY BUS STOP PAD

LEGEND

- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE
- WORK AREA

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

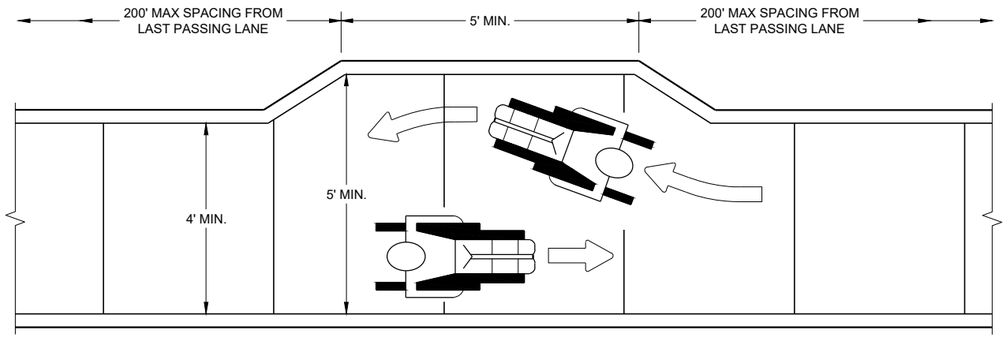
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

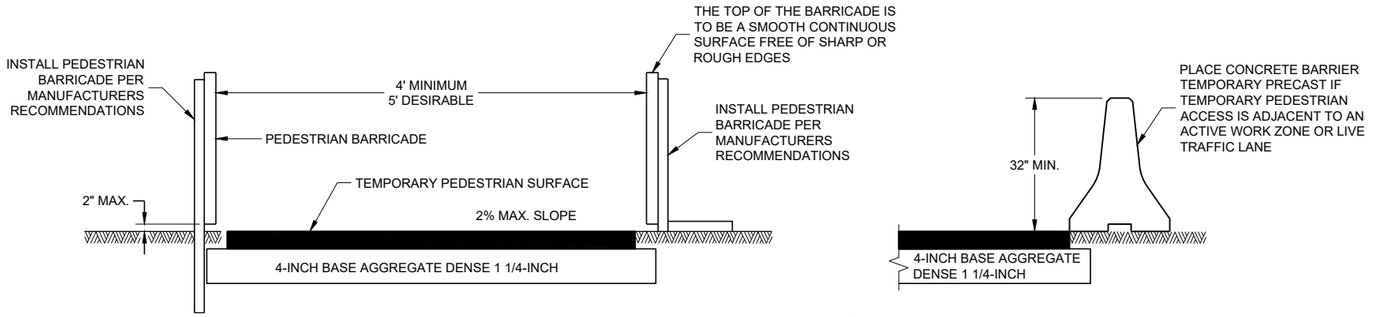
SDD 15D30 - 06b

6

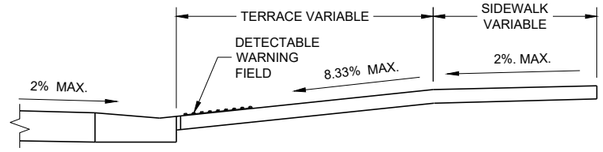
SDD 15D30 - 06b



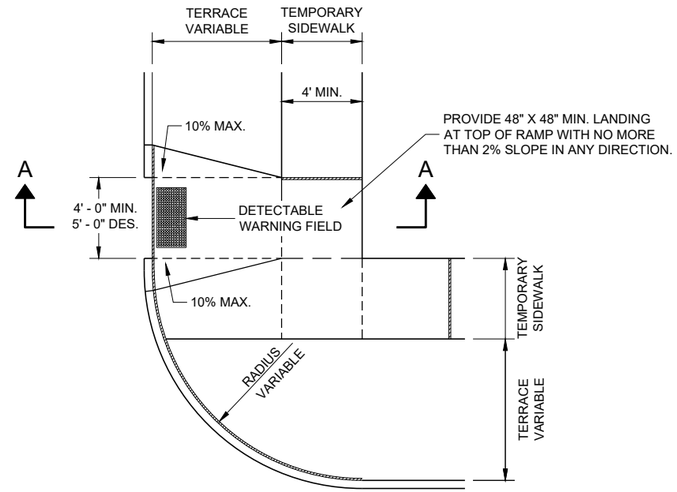
NARROW SIDEWALK PASSING DETAIL



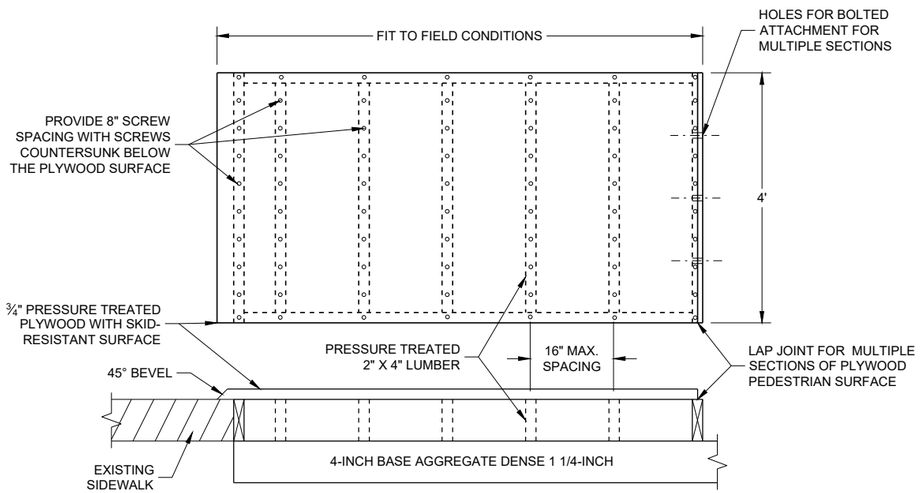
TEMPORARY PEDESTRIAN ACCESS



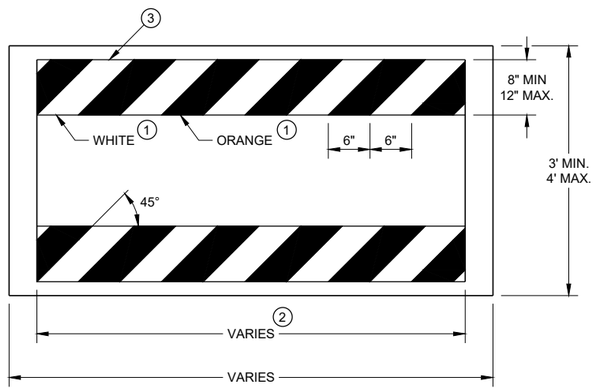
SECTION A - A



PLAN VIEW
TEMPORARY TYPE 3 RAMP
(OUTSIDE OF CROSSWALK AREA)



TEMPORARY PEDESTRIAN SURFACE PLYWOOD



TEMPORARY PEDESTRIAN BARRICADE *

GENERAL NOTES

BARRICADE DEVICE SELECTED FROM APPROVED PRODUCT LIST

1. REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
2. SHEETING REQUIRED ON MORE THAN 50% OF BARRICADE WIDTH.
3. PLACE SHEETING ON BOTH SIDES OF THE BARRICADE.

* USE THIS DETAIL FOR SHEETING PLACEMENT REFERENCE.

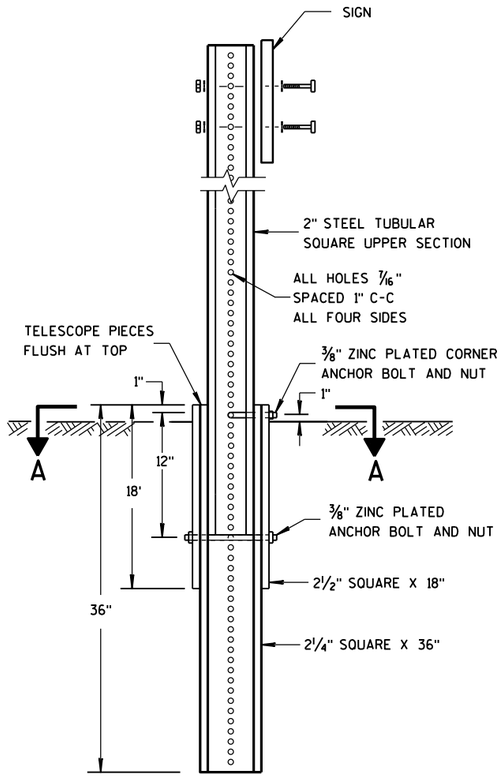
TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

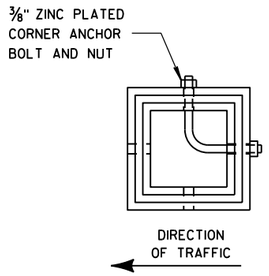
APPROVED
November 2019
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE 399

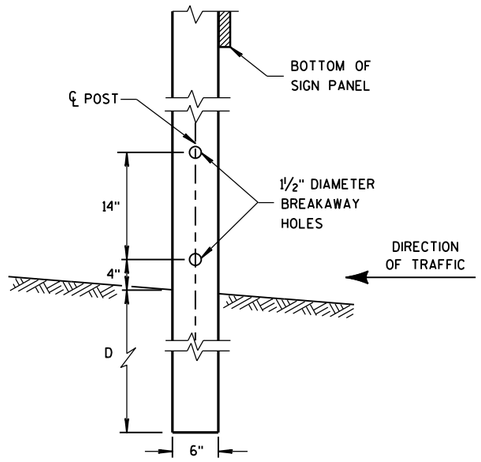
FHWA



DETAIL OF TUBULAR STEEL SIGN POST



SECTION A-A



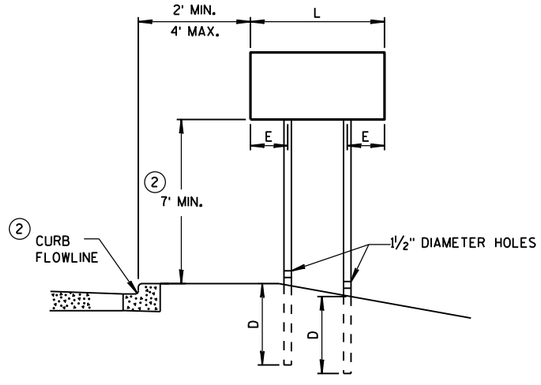
4"x6" WOOD POST MODIFICATION

GENERAL NOTES

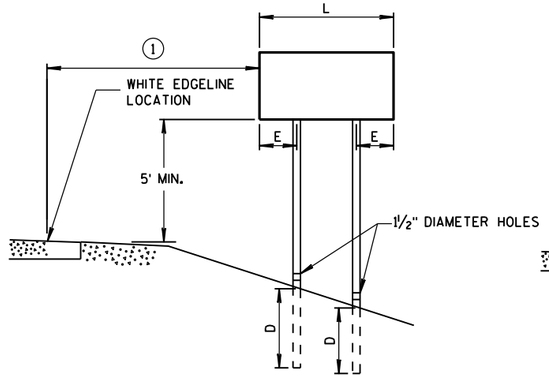
(1) 6 FEET FROM THE EDGE OF PAVEMENT (EDGE LINE LOCATION) UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER. LATERAL OFFSET SHOULD BE ADJUSTED TO AVOID THE DITCH FLOWLINE.

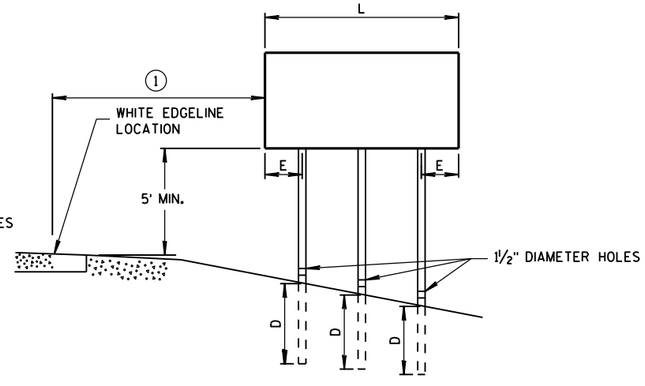
(2) THE EXISTENCE OF CURB AND GUTTER DOES NOT IN ITSELF MANDATE THE VERTICAL CLEARANCE ILLUSTRATED. THAT HEIGHT IS TYPICALLY MEASURED WHERE THERE IS SIDEWALK ADJACENT TO THE ROADWAY OR PARKING IS PERMITTED. IN THE ABSENCE OF SIDEWALK, VERTICAL CLEARANCE IS MEASURED FROM THE TOP OF THE CURB. IF NO SIDEWALK AND NO PARKING, VERTICAL CLEARANCE MAY BE REDUCED TO 5 FOOT MINIMUM. OFFSET OF SIGNS IS MEASURED FROM THE CURB FLOWLINE.

(3) FOR SIGNS REQUIRING 4 POSTS, SPACE INTERMEDIATE POSTS EVENLY.



URBAN AREA





RURAL AREA

POST MOUNTING DETAIL FOR TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS

TUBULAR STEEL POSTS

AREA OF SIGN INSTALLATION (SQ. FT.)	NUMBER OF REQUIRED TUBULAR STEEL POSTS
9 OR LESS	1
GREATER THAN 9 LESS THAN OR EQUAL TO 18	2
GREATER THAN 18 LESS THAN OR EQUAL TO 27	3

SIGNS WIDER THAN 3 FEET OR LARGER THAN 9 SQ. FT. SHALL BE MOUNTED ON MULTIPLE POSTS (SEE ABOVE TABLE).

SIGNS LARGER THAN 27 SQ. FT. SHALL NOT BE MOUNTED ON TUBULAR STEEL POSTS.

WOOD POST EMBEDMENT DEPTH

AREA OF SIGN INSTALLATION (SQ. FT.)	D (MIN)
20 OR LESS	4'
GREATER THAN 20	5'

4" X 6" WOOD POST

POST SPACING REQUIREMENTS		NUMBER OF WOOD POSTS REQUIRED
L	E	
48" OR LESS AND LESS THAN 20 SQ. FT.	-	1
LESS THAN 60"	12"	2
60" TO 120"	L/5	2
GREATER THAN 120" LESS THAN 168"	12"	3
168" AND GREATER	12"	4

SEE NOTE (3)

TEMPORARY TRAFFIC CONTROL SIGN MOUNTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

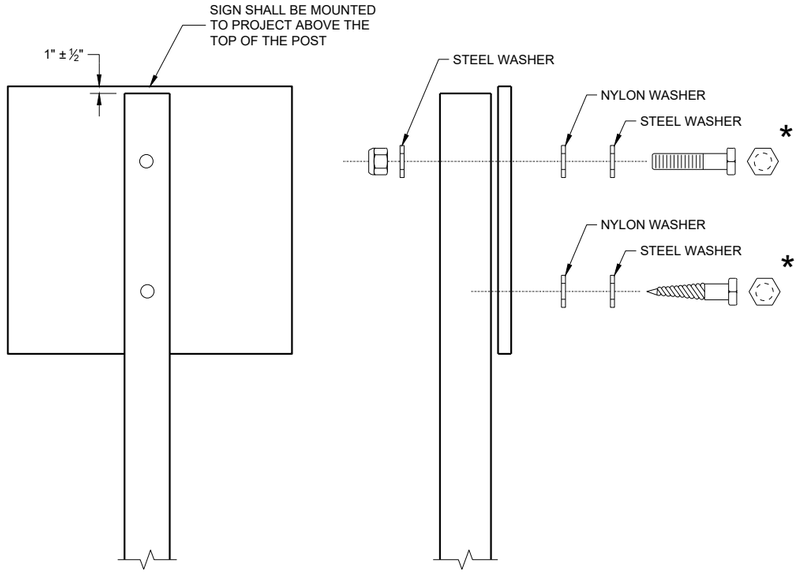
400

6

S.D.D. 15 D 38-2a

6

S.D.D. 15 D 38-2a



NUTS, BOLTS AND LAGS USED FOR MOUNTING SIGNS SHALL HAVE HEXAGONAL HEADS AND SHALL BE EITHER:

A. HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION: A 153, CLASS D, OR SC 3
B. ELECTRO-GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION: B 633, TYPE III, SC 3

THREADS ON BOLTS AND NUTS SHALL BE MANUFACTURED WITH SUFFICIENT ALLOWANCE FOR THE CADMIUM PLATE OR GALVANIZED COATING TO PERMIT THE NUTS TO RUN FREELY ON THE BOLTS.

WOOD POST (4" x 6")
LAG SCREWS - ⅜" x 3"
MACHINE BOLTS - 5/16" x 6 ½" OR 7" LENGTH W/NUTS

SQUARE STEEL POST (2" x 2")
MACHINE BOLTS - ⅜" x 3 ¼" LENGTH W/NUTS
RIVETS - 9/32" (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL O.D. FLANGE 0.720 - 0.765 INCH, GRIP RANGE 0.042 - 0.375 INCH

WASHERS (ALL POSTS) -
1 ¼" O.D. x ⅜" I.D. x 1/16" STEEL
1 ¼" O.D. x ⅜" I.D. x 0.080 NYLON

* TWO DIFFERENT FASTENING SYSTEMS ARE SHOWN FOR ILLUSTRATION PURPOSES. ON ANY INDIVIDUAL SIGN, EITHER ONE OR THE OTHER SYSTEM SHALL BE USED. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA. FOR A SINGLE POST INSTALLATION, ALL SIGNS GREATER THAN 9 SQ. FT. REQUIRE THE USE OF 3 FASTENERS.

6

6

SDD 15D38 - 02b

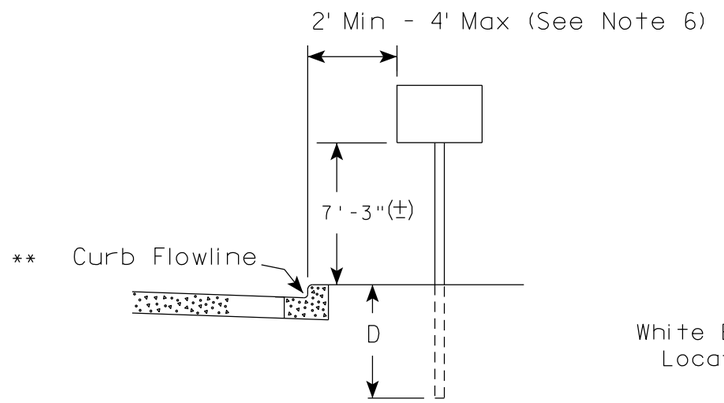
SDD 15D38 - 02b

ATTACHMENT OF SIGNS TO POSTS

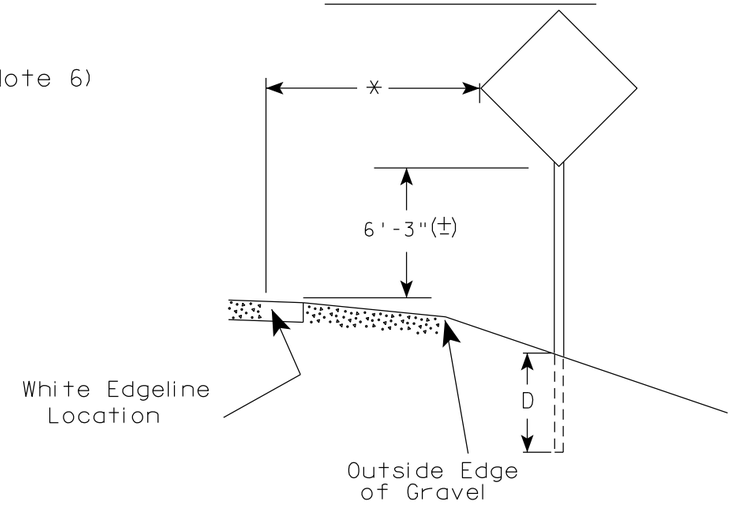
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

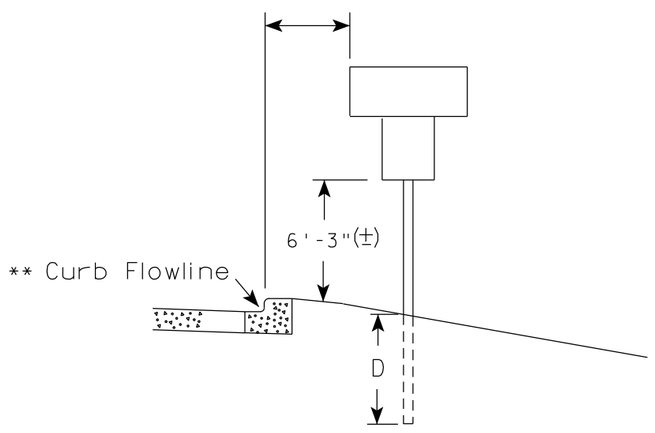
APPROVED
June 2017
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE
FHWA

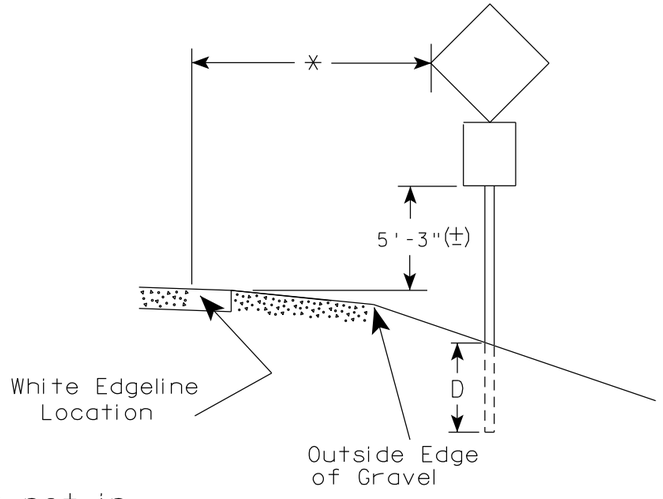
URBAN AREA



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.

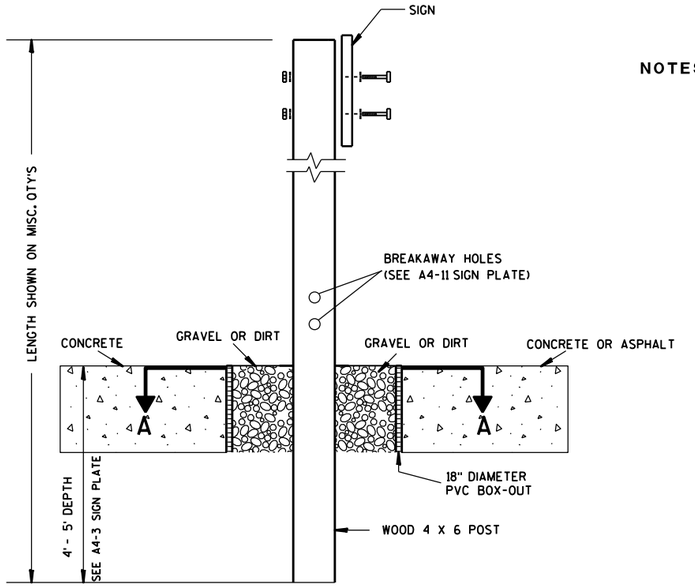
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/13/2020 PLATE NO. A4-3.22

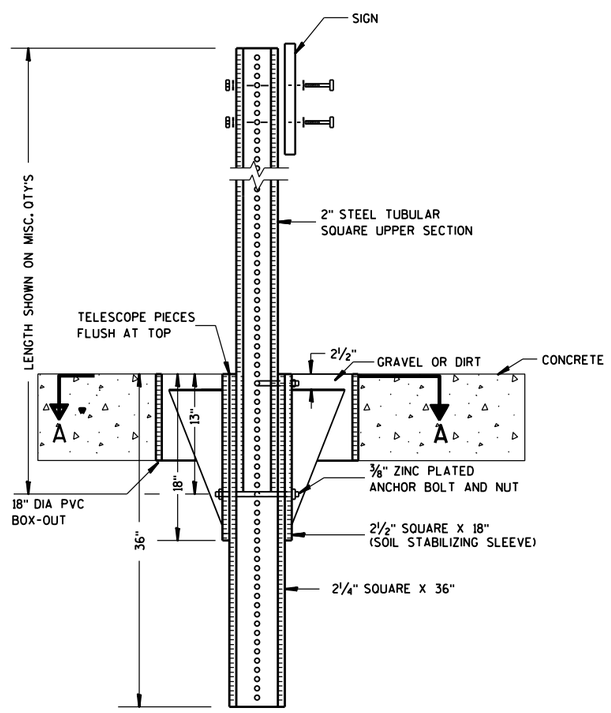
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 402	E



ELEVATION VIEW

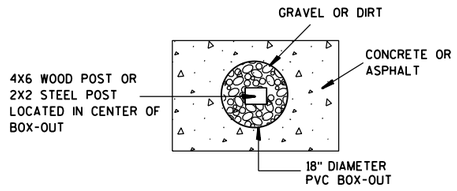
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

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

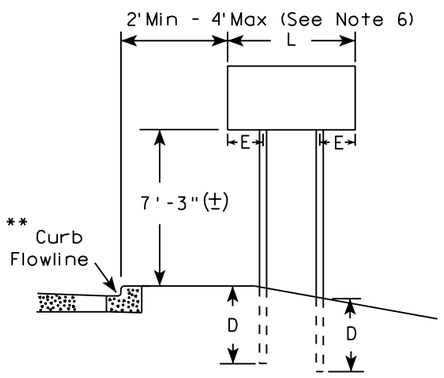
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

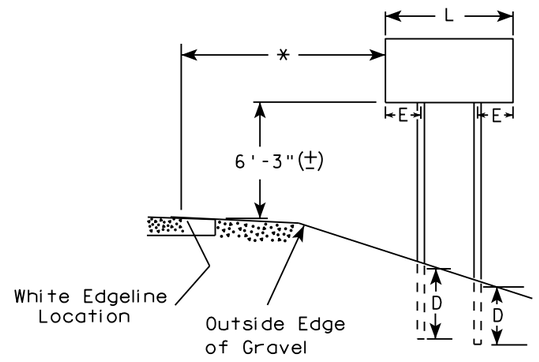
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

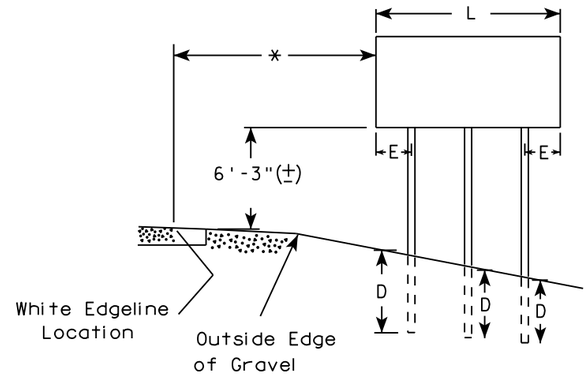
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN PLOT DATE : 27-JAN-2014 09:48 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42

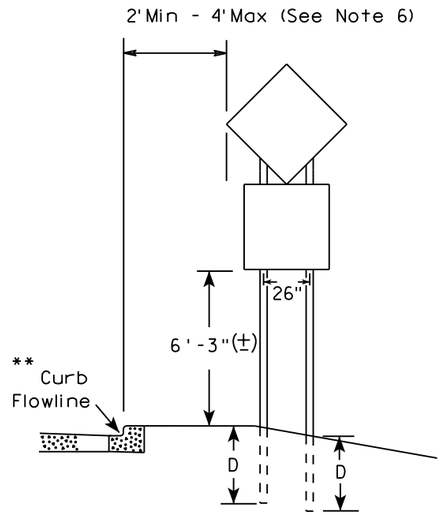
URBAN AREA



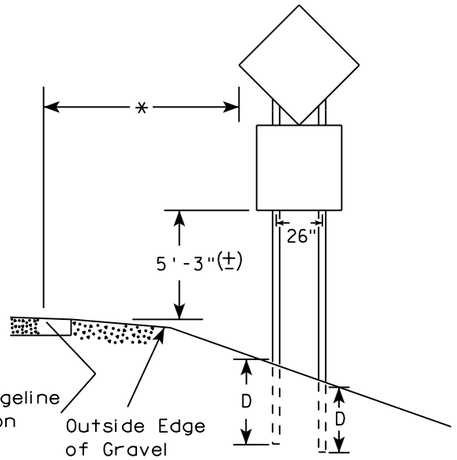
RURAL AREA (See Note 3)







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'

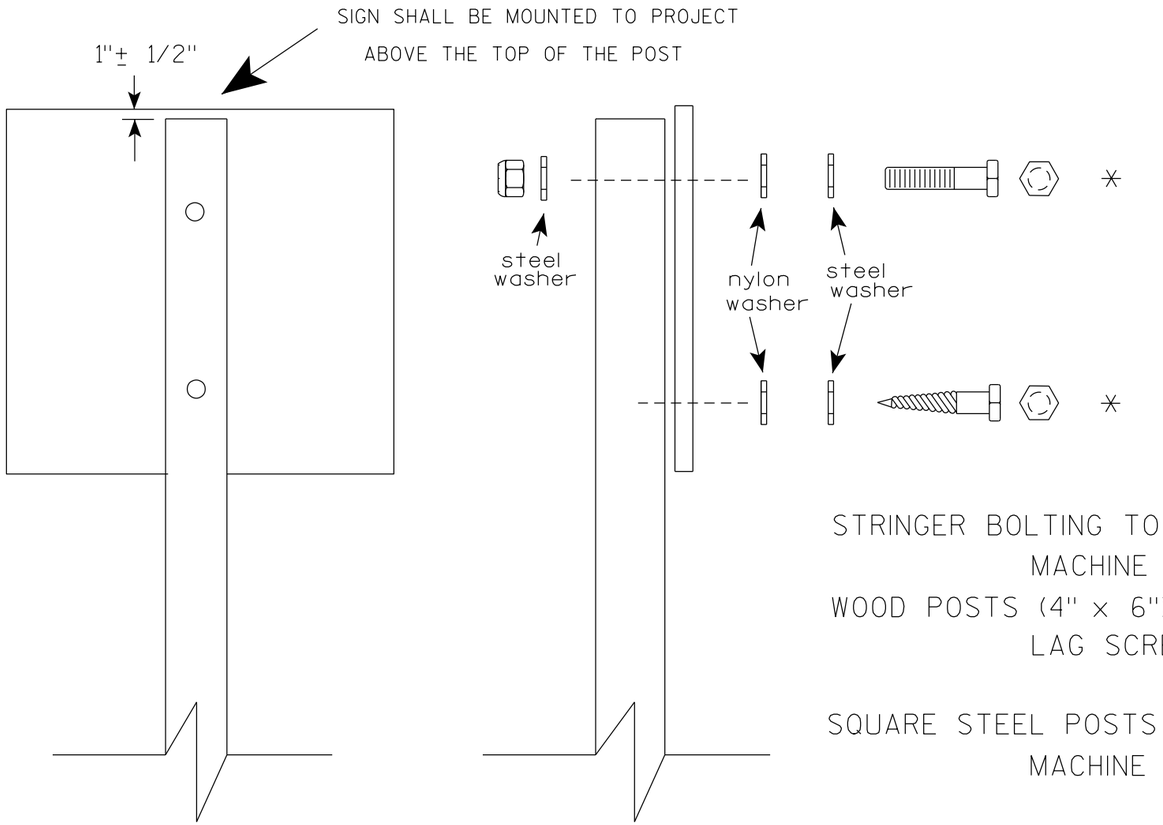
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

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: 404	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

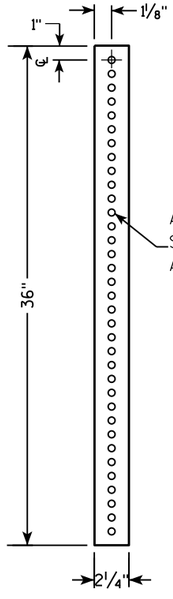
DATE 4/1/2020 PLATE NO. A4-8.9

PROJECT NO:

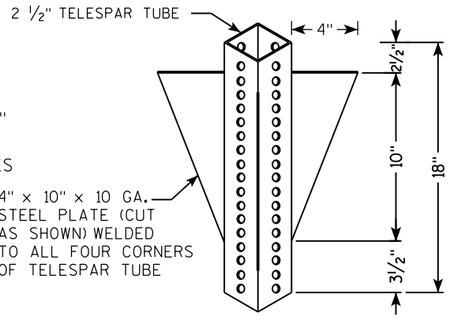
SHEET NO: 405 E

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

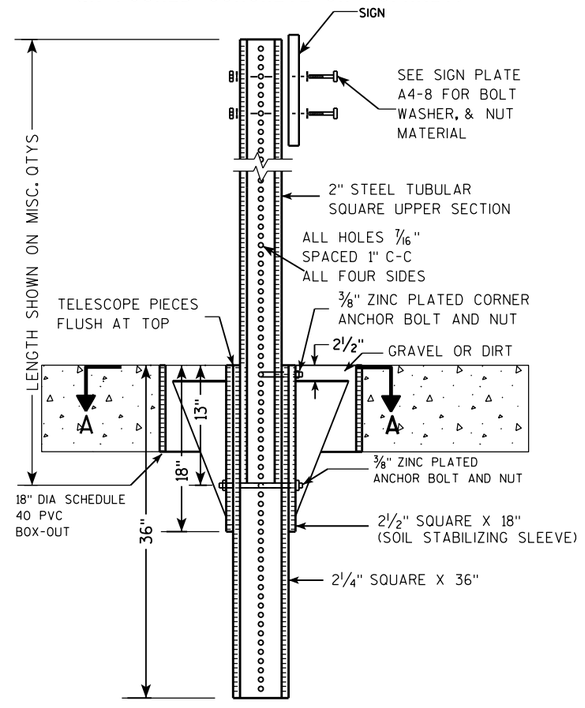
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



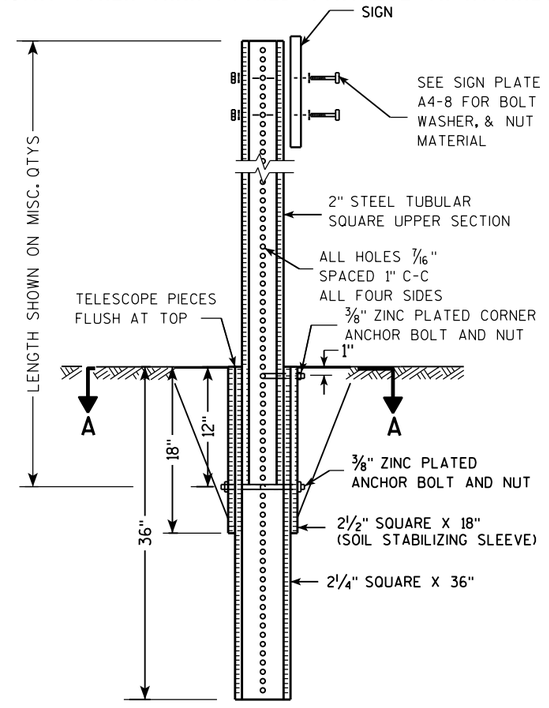
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

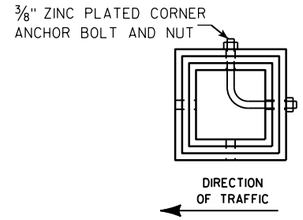


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



DETAIL OF TUBULAR STEEL SIGN POST
(IN LOCATIONS OTHER THAN POURED CONCRETE OR ASPHALT)





SECTION A-A

Area of Sign Installation (Sq. Ft.)	Number of Required Posts
9 or less	1
Greater than 9 less than or equal to 18	2
Greater than 18 less than or equal to 27	3

Signs wider than 3 feet or larger than 9 sq. ft shall be mounted on multiple posts (see above table).

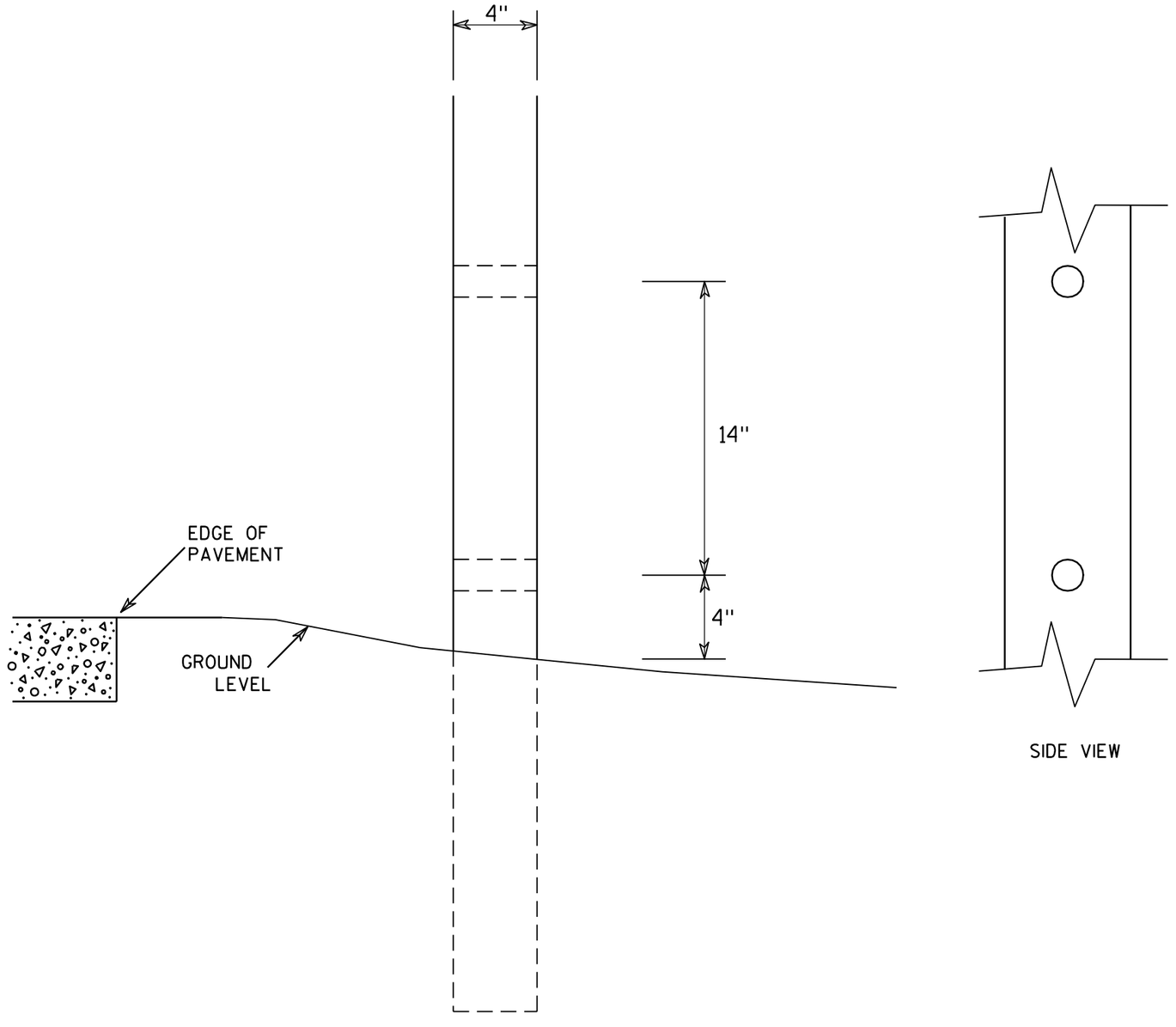
TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 406 A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



SIDE VIEW

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

7

7

4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

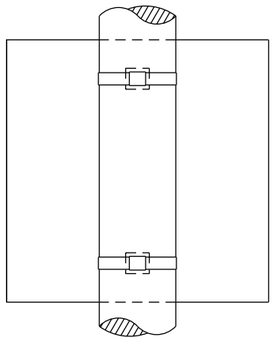
APPROVED Chester J Spang for State Traffic Engineer

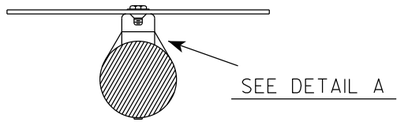
DATE 3/27/97 PLATE NO. A4-11.2

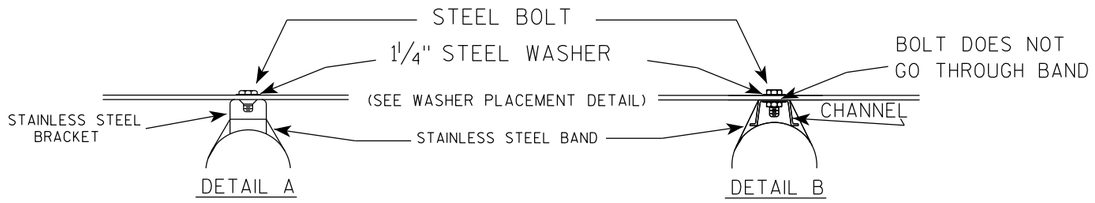
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 407	E

BANDING

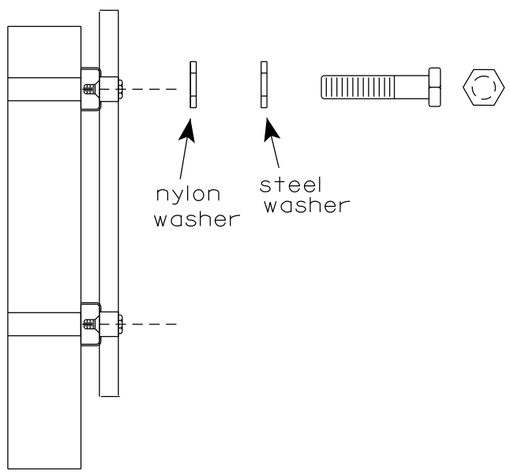
SINGLE SIGN







WASHER PLACEMENT

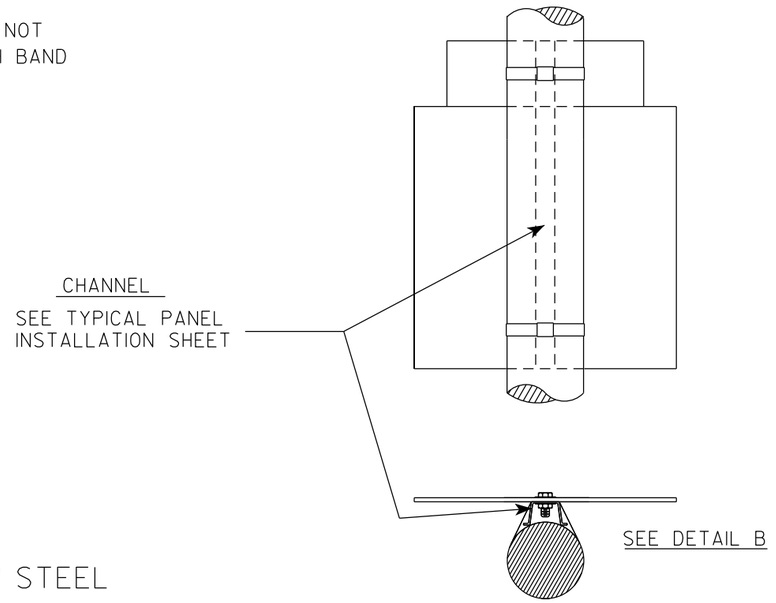


WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

GENERAL NOTES

1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
3. Banding and assembly bracket shall be stainless steel. All bands shall be ¾" in width and 0.025" thickness.
4. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM designation: B 633, Type III, SC 3

"J" ASSEMBLY



STANDARD SIGN
SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

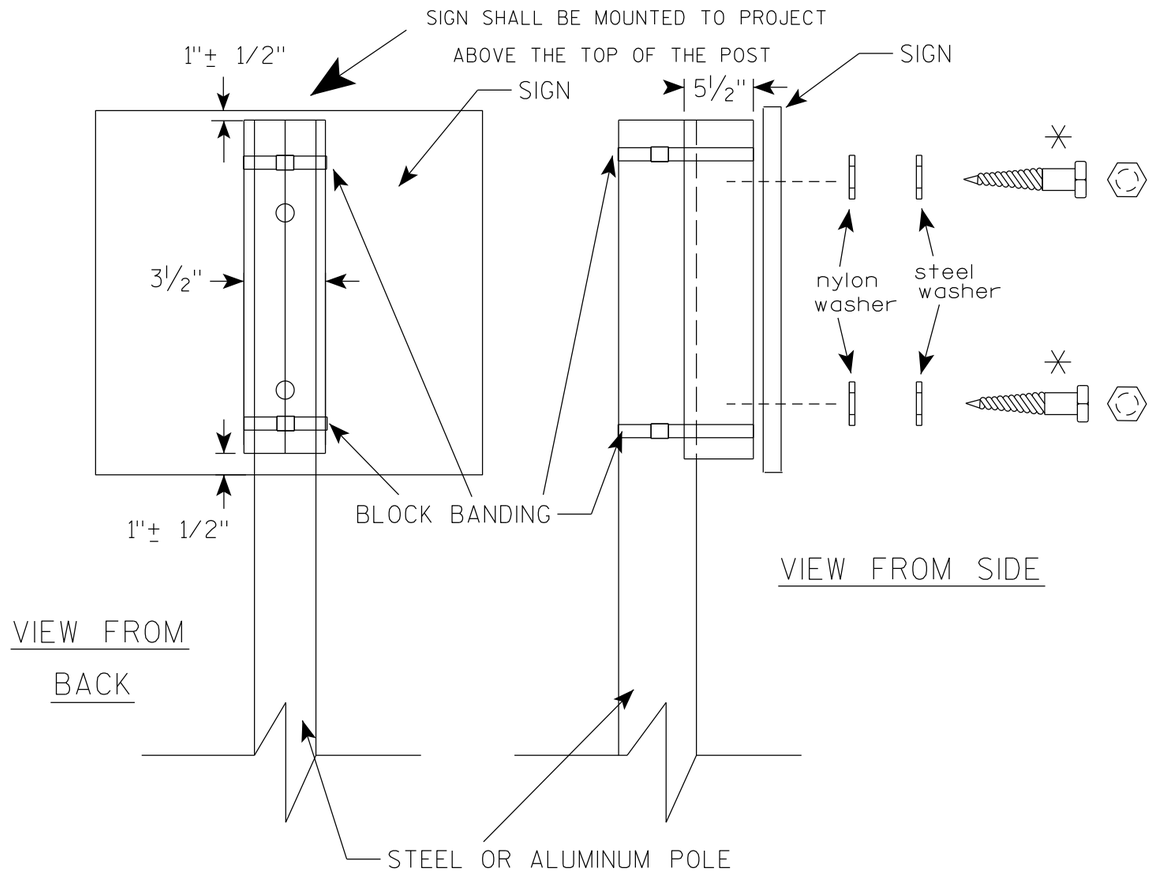
DATE 6/10/19 PLATE NO. A5-9.4

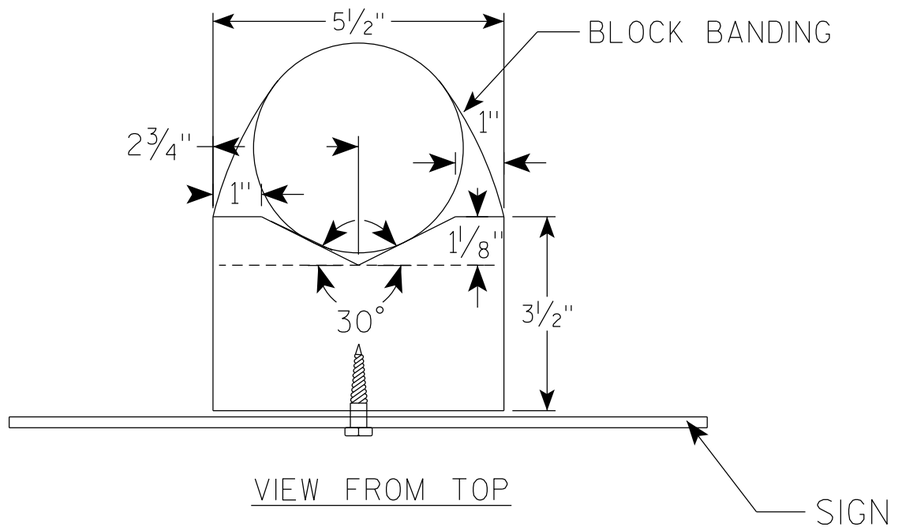
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 408	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A59.dgn PLOT DATE : 10-JUN 2019 4:10 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

7

7





GENERAL NOTES

1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WisDOT STANDARD SPECIFICATIONS
2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, ¾" WIDTH AND 0.025" THICKNESS
3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS. SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3
6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
7. STEEL WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X 1/16"
8. NYLON WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

✳ LAG BOLTS SHALL BE ⅜" X 2½"

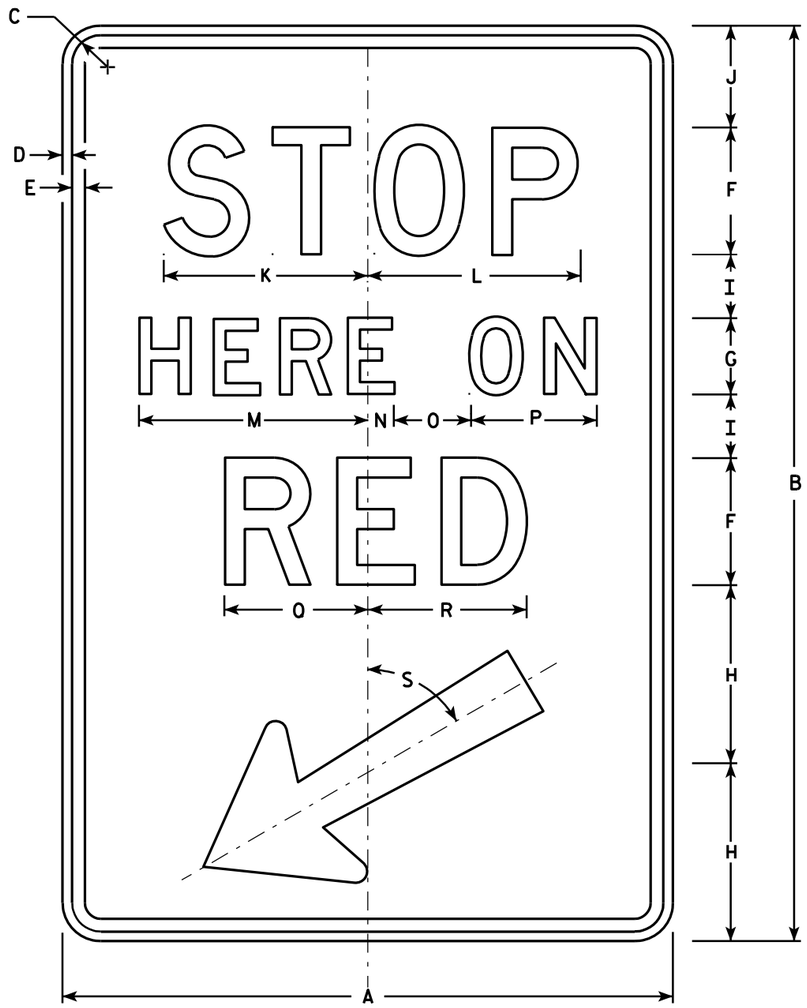
BLOCK BANDING DETAIL (V-BLOCK OPTION)

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 6/10/19 PLATE NO. A5-10.2

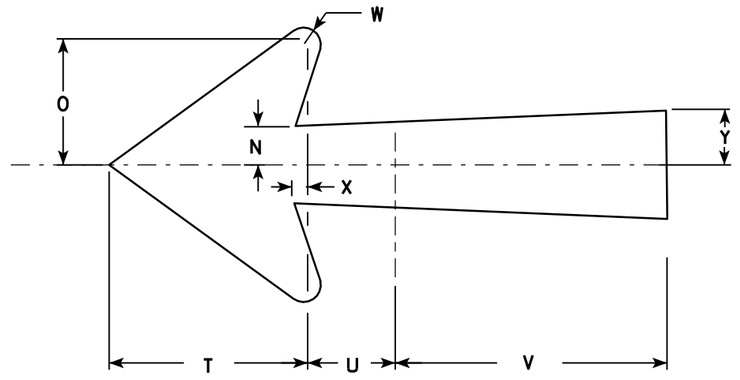
PROJECT NO:				SHEET NO: 409	E



R10-6

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	36	1 1/8	3/8	1/2	5	3	7	2 1/2	4	8	8 3/8	9	1	3	5	5 5/8	6 1/4	60°	5 1/4	2 1/4	7 1/8	1/2	3/8	1 3/8		6.0
2M	24	36	1 1/8	3/8	1/2	5	3	7	2 1/2	4	8	8 3/8	9	1	3	5	5 5/8	6 1/4	60°	5 1/4	2 1/4	7 1/8	1/2	3/8	1 3/8		6.0
3																											
4																											
5																											

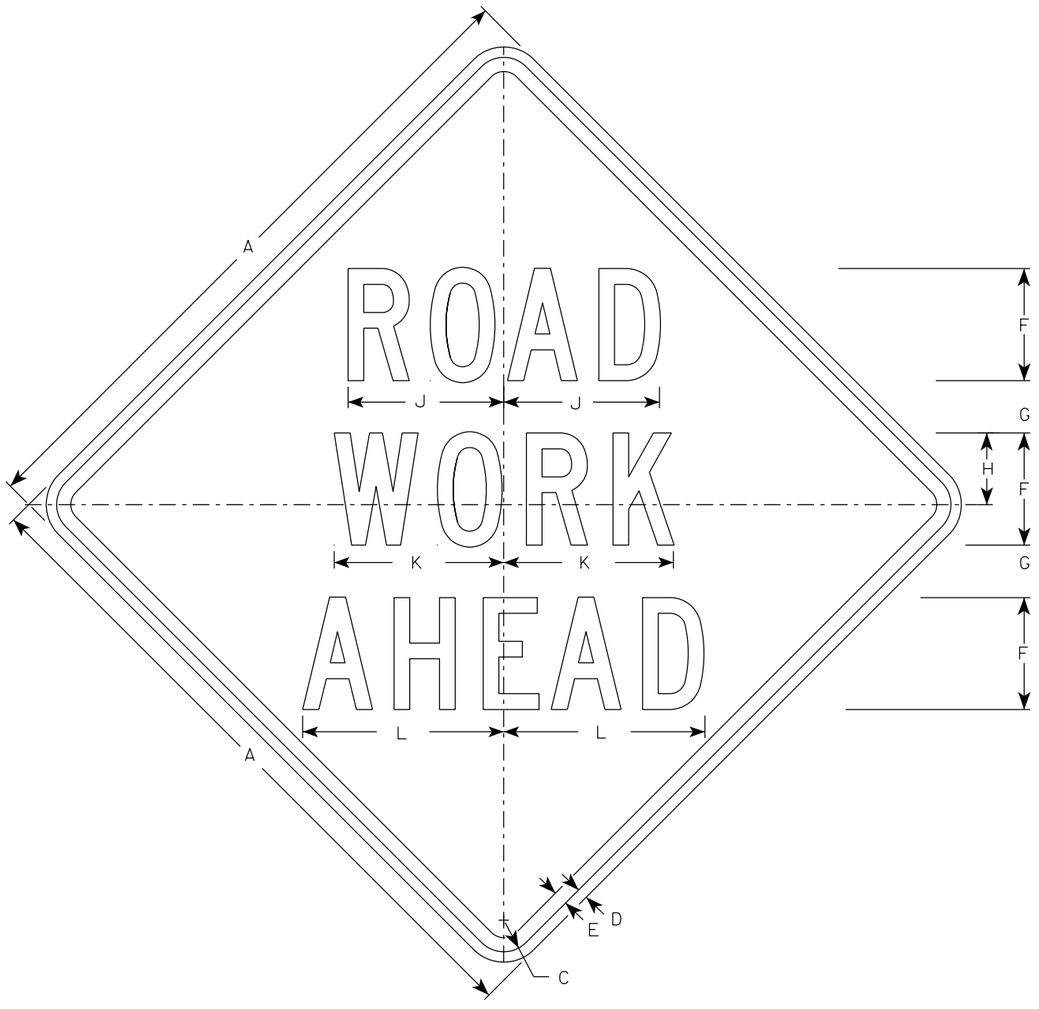
STANDARD SIGN
R10-6

WISCONSIN DEPT OF TRANSPORTATION

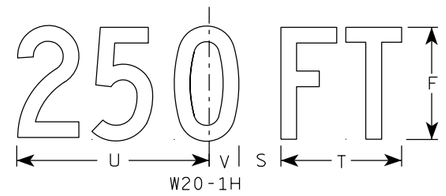
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/5/11 PLATE NO. R10-6.6

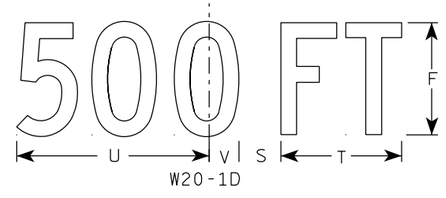
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 410	E



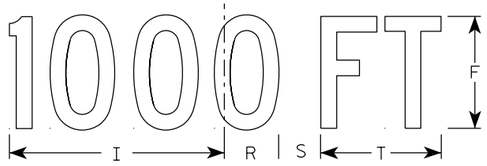
W20-1A



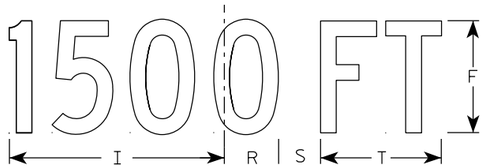
W20-1H



W20-1D



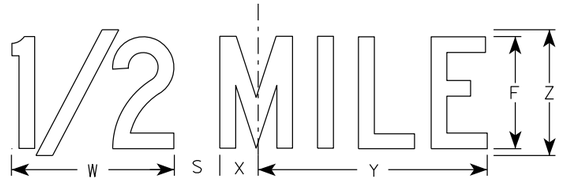
W20-1C



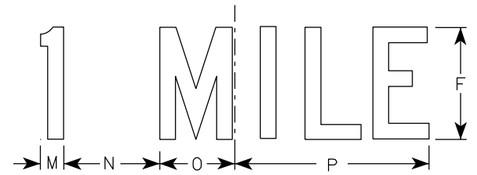
W20-1B

NOTES

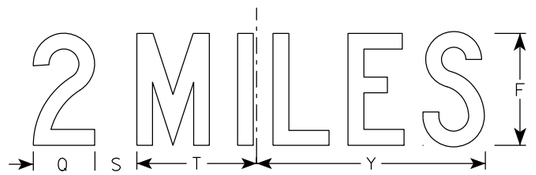
1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



W20-1G



W20-1F



W20-1E

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5	2 5/8	3 1/4	10 1/8	7	7 5/8	8 7/8	1 1/8	4 1/2	3 1/2	9	3 1/4	2 1/2	2 1/4	5 5/8	9	1 3/8	8	1 3/4	10 3/4	6	9.0
2S	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
2M	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
3	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
4	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
5	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0

STANDARD SIGN
W20-1A, B, C, D, E, F, G & H

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/25/2020 PLATE NO. W20-1.11

PROJECT NO:

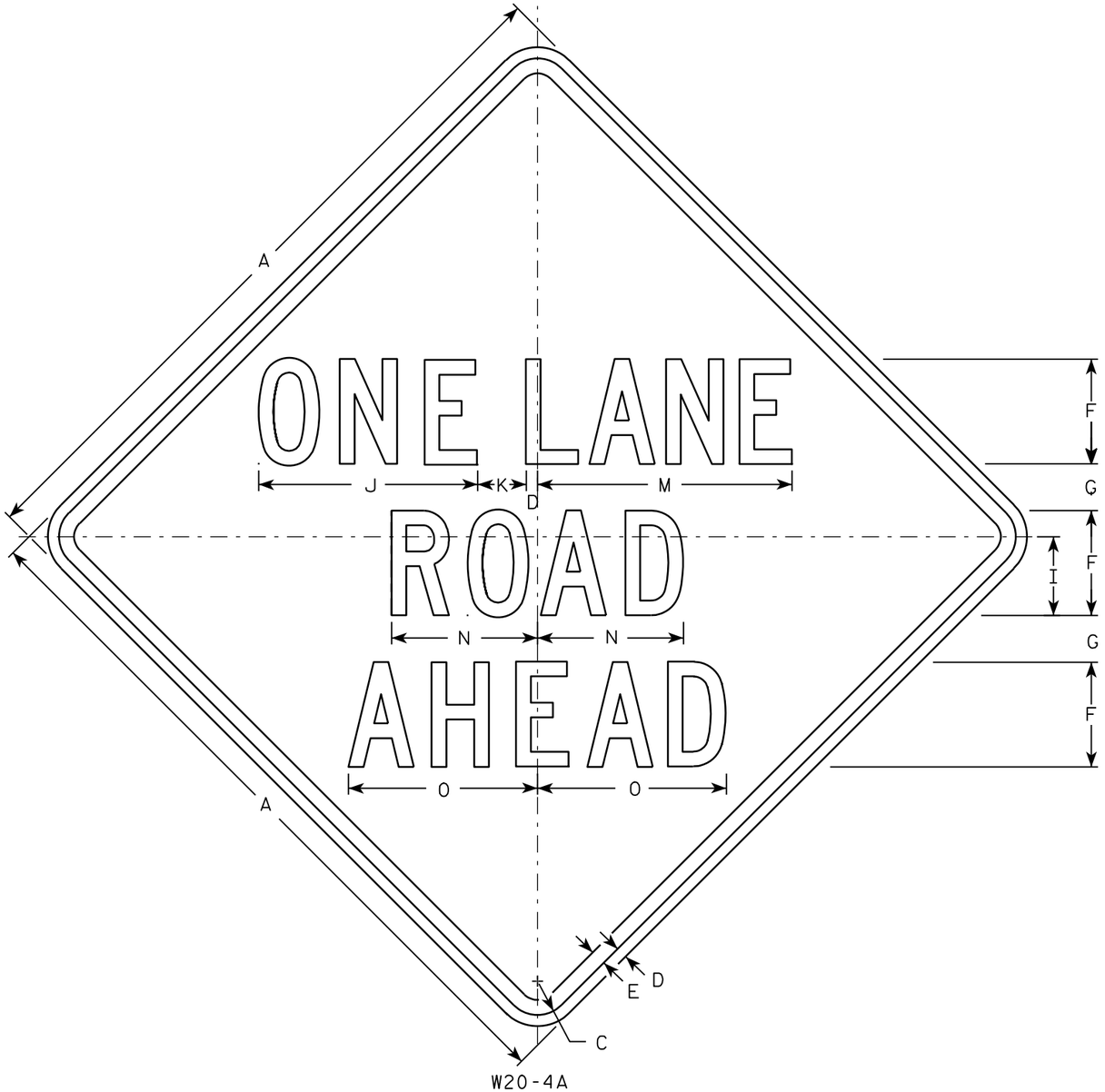
SHEET NO: E

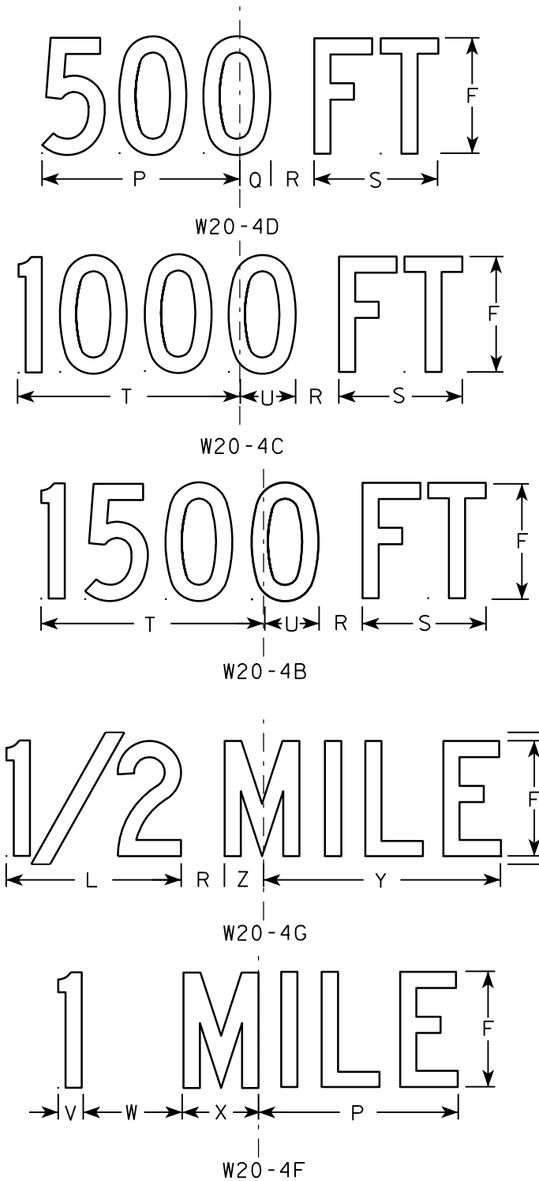
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W201.DGN PLOT DATE : 25-MARCH-2020 PLOT BY : dotc4c

WISDOT/CADDS SHEET 42

7

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. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5	2 3/8	6	3 3/4	10 3/8	2 3/8	8	13 1/2	7	8 7/8	9	1 3/8	1 7/8	5 5/8	10 1/8	2 1/2	1 1/8	4 1/2	3 1/2	10 3/4	1 3/4	9.0
2S	48		2 1/4	3/4	1	7	3 1/8	8	5 1/4	14 5/8	3 1/4	10 5/8	17 3/4	9 3/4	12 5/8	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	14 3/8	2 3/8	16.0
2M	48		2 1/4	3/4	1	7	3 1/8	8	5 1/4	14 5/8	3 1/4	10 5/8	17 3/4	9 3/4	12 5/8	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	14 3/8	2 3/8	16.0
3	48		2 1/4	3/4	1	7	3 1/8	8	5 1/4	14 5/8	3 1/4	10 5/8	17 3/4	9 3/4	12 5/8	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	14 3/8	2 3/8	16.0
4	48		2 1/4	3/4	1	7	3 1/8	8	5 1/4	14 5/8	3 1/4	10 5/8	17 3/4	9 3/4	12 5/8	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	14 3/8	2 3/8	16.0
5	48		2 1/4	3/4	1	7	3 1/8	8	5 1/4	14 5/8	3 1/4	10 5/8	17 3/4	9 3/4	12 5/8	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	14 3/8	2 3/8	16.0

STANDARD SIGN
W20-4A, B, C, D, F & G

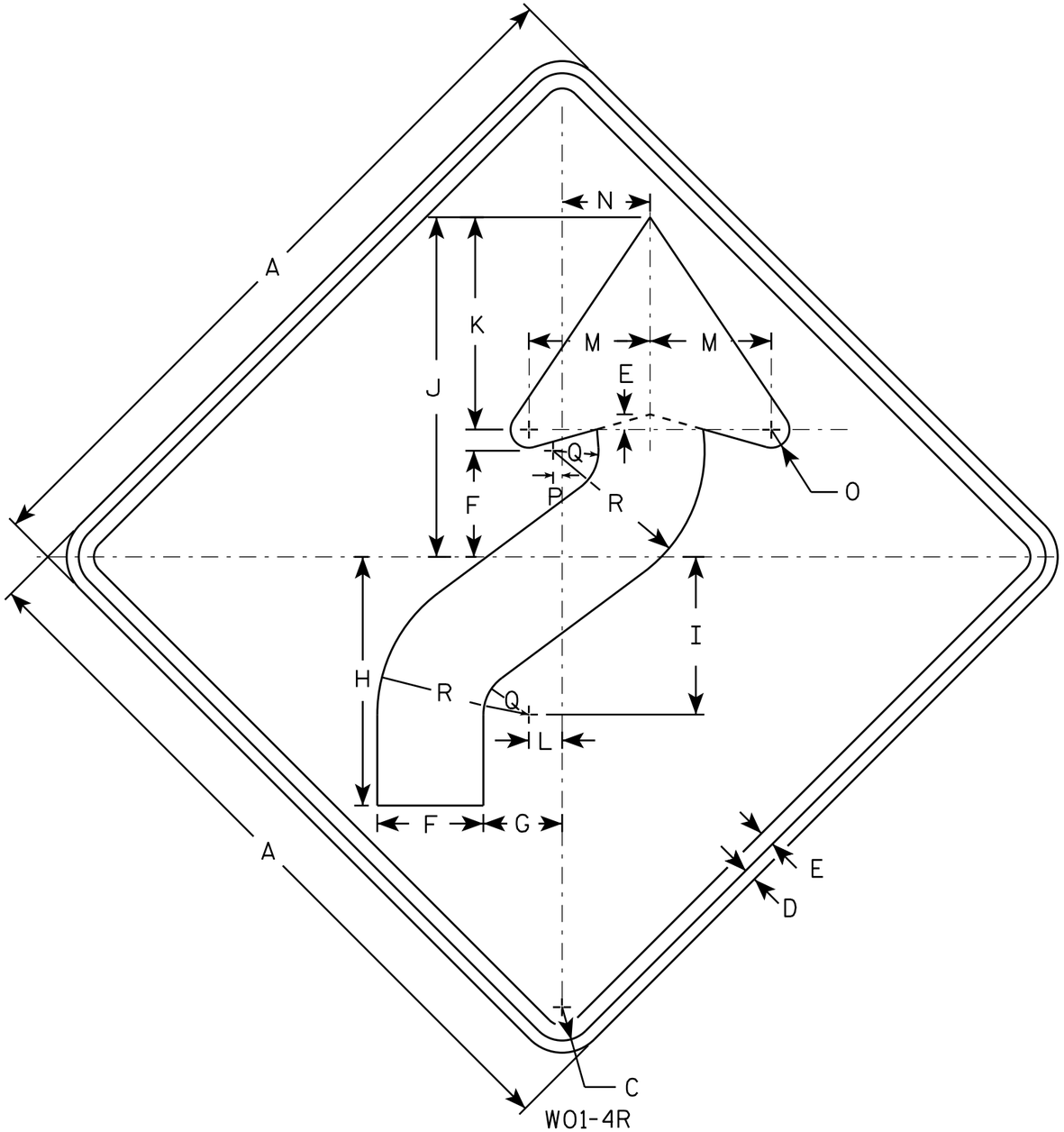
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-4.9

PROJECT NO:

SHEET NO: 412 E



WO1-4R

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. WO1-4L is the same as WO1-4R 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
WO1-4

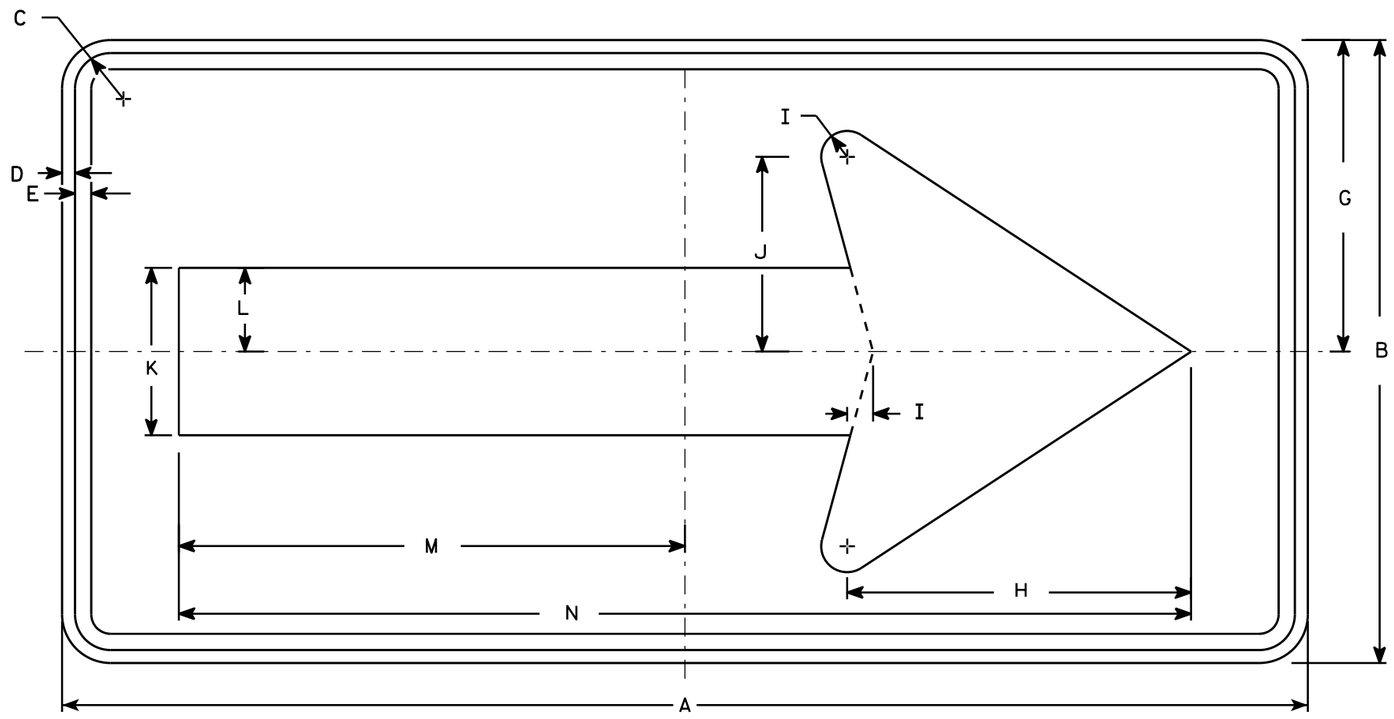
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE NO WO1-4.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\WO14.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

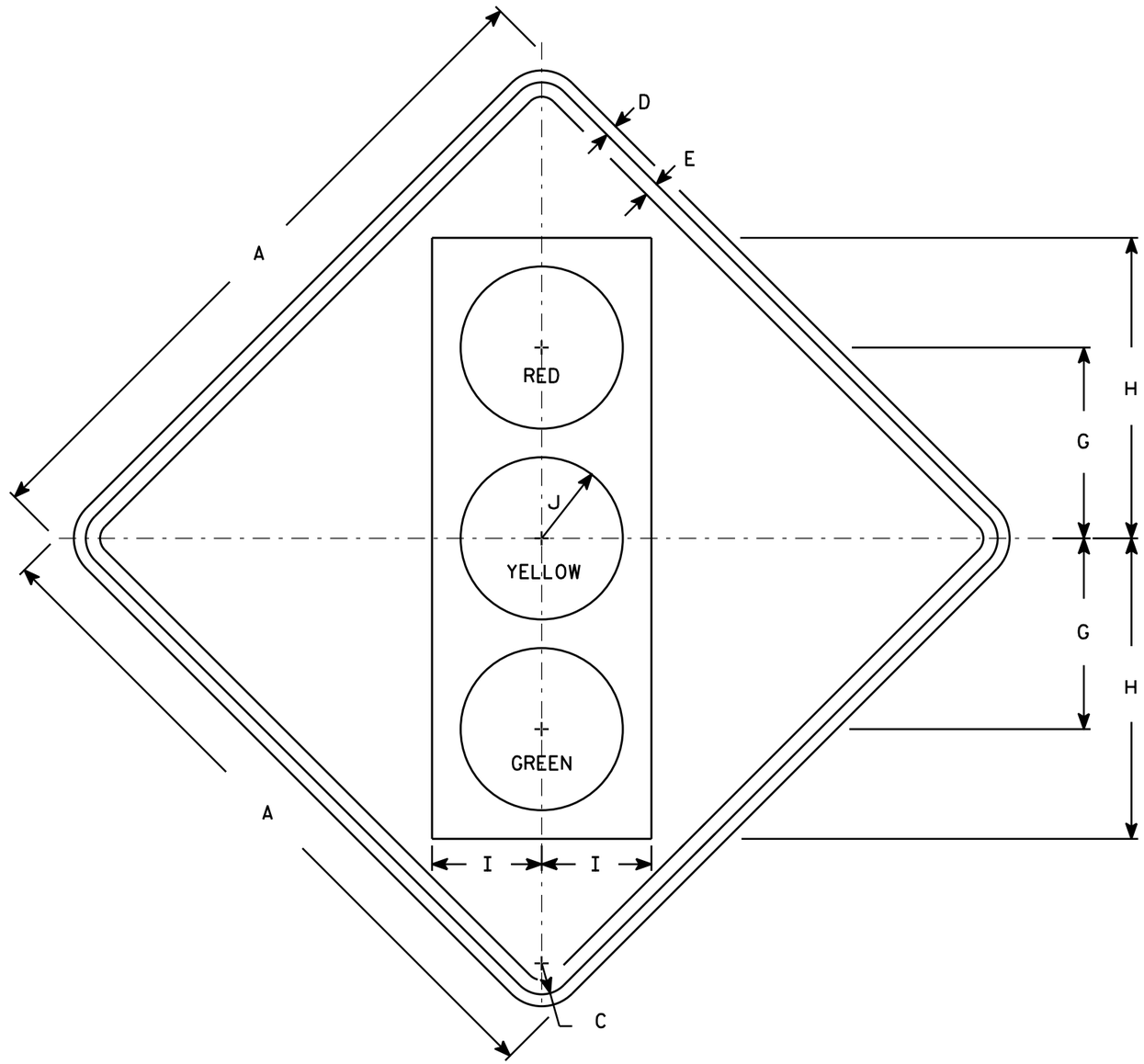
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE W01-6.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W016.DGN PLOT DATE : 28-FEB-2014 11:37 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 5.837526:1.000000 WISDOT/CADDS SHEET 42



W03-3

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - See Note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Symbol and border are non-reflective black.
   Top circle - Type H Reflectorized Red
   Center circle - Same as background
   Bottom circle - Type H Reflectorized Green

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
2S	48		2 1/4	3/4	1		12 1/2	20	7 1/2	5																	16.0
2M	48		2 1/4	3/4	1		12 1/2	20	7 1/2	5																	16.0
3	48		2 1/4	3/4	1		12 1/2	20	7 1/2	5																	16.0
4	48		2 1/4	3/4	1		12 1/2	20	7 1/2	5																	16.0
5	48		2 1/4	3/4	1		12 1/2	20	7 1/2	5																	16.0

STANDARD SIGN
W03-3

WISCONSIN DEPT OF TRANSPORTATION

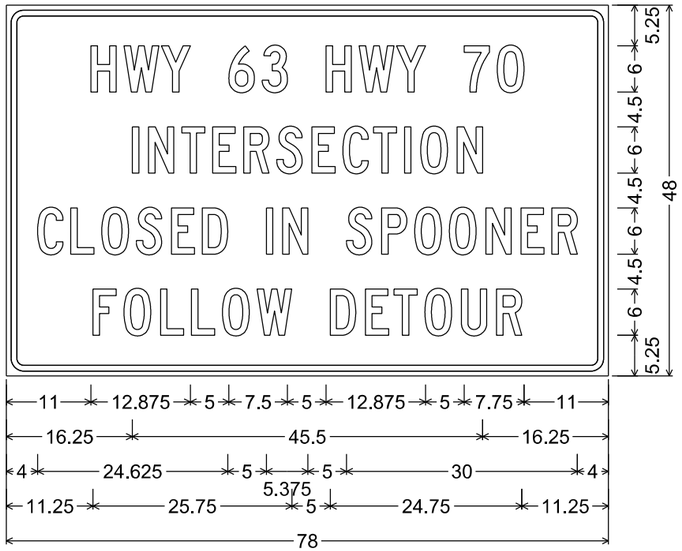
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE 415 W03-3.1

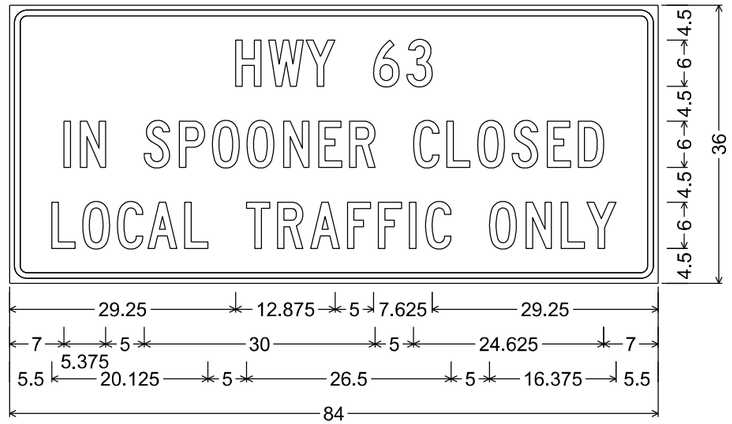
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

NOTES

1. Fixed Message Type II signs - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C



2.250" Radius, 0.750" Border, 0.625" Indent



2.250" Radius, 0.750" Border, 0.625" Indent

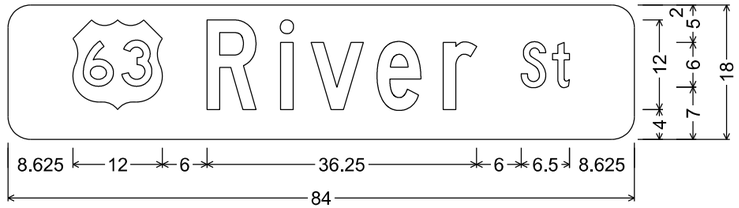
7

7

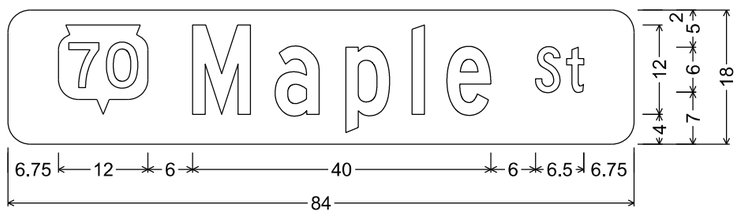
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	TEMPORARY SIGNING	SHEET NO:	E

NOTES

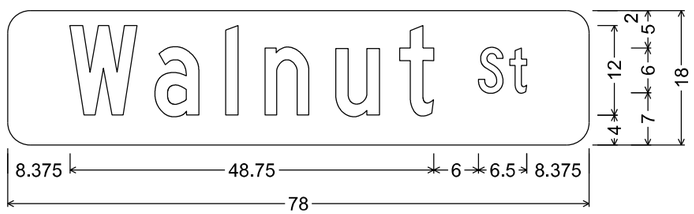
1. All Signs Type II - Type H Reflective
2. Color:
   Background - Green or as noted
   Message - White
3. Message Series - E or as noted



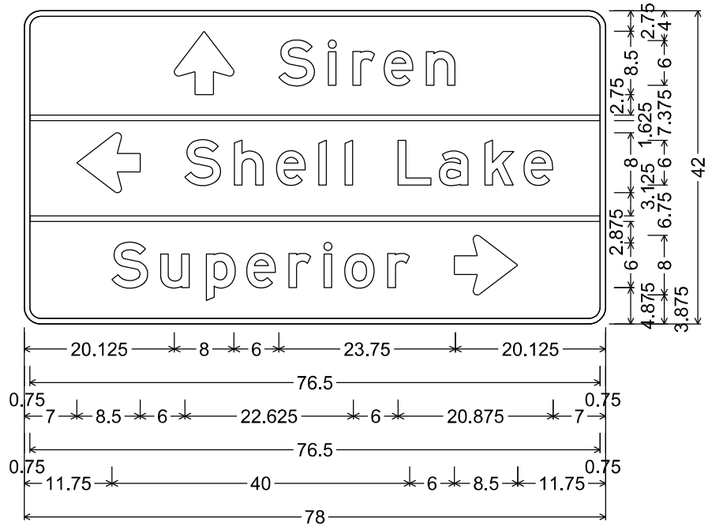
M1-94S; 3.000" Radius, No border
"River", C; "St", C



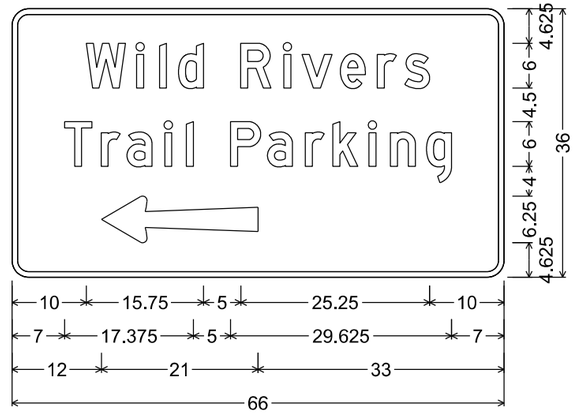
M1-94S; 3.000" Radius, No border
"Maple", C; "St", C



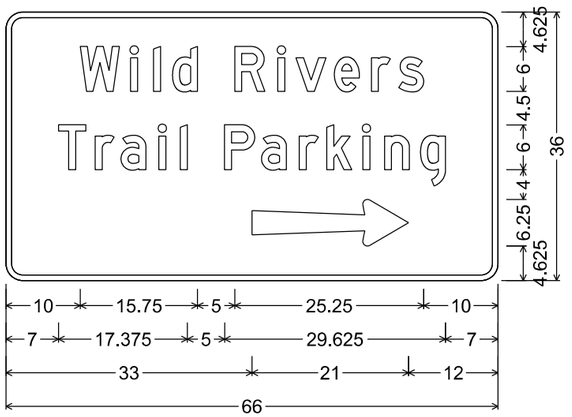
M1-94H; 3.000" Radius, No border
"Walnut", C; "St", C



D1-3; 2.250" Radius, 0.750" Border



2.250" Radius, 0.750" Border, White on, Brown;
"Wild", D; "Rivers", D; "Trail", D; "Parking", D



2.250" Radius, 0.750" Border, White on, Brown;
"Wild", D; "Rivers", D; "Trail", D; "Parking", D

7

7

STAGE 1 - USH 63 EXP Fact = 1.3

STATION	END AREA CUT (SF)	END AREA FILL (SF)	VOLUME CUT (CY)	VOLUME FILL (CY)	CUMULATIVE VOLUME CUT (CY)	CUMULATIVE VOLUME FILL (CY)	MASS HAUL (CY)
1258+38	43.7	0.2					
1258+50	40.1	0.1	18	0	18	0	18
1258+83	40.5	0.0	49	0	67	0	67
1259+35	72.8	1.0	109	1	176	1	175
1260+00	86.1	0.0	191	2	367	3	364
1260+50	77.5	0.0	151	0	518	3	515
1260+65	74.2	0.0	42	0	560	3	557
1261+00	69.5	0.1	93	0	653	3	650
1261+30	79.1	0.0	83	0	736	3	733
1261+60	73.6	0.0	85	0	821	3	818
1262+00	51.5	0.0	93	0	914	3	911
1262+52	49.4	0.0	97	0	1011	3	1008
1263+00	54.3	0.0	93	0	1104	3	1101
1263+25	87.1	0.8	65	0	1169	3	1166
1263+50	74.4	0.9	75	1	1244	4	1240

STAGE 1 - LINN STREET EXP Fact = 1.3

STATION	END AREA CUT (SF)	END AREA FILL (SF)	VOLUME CUT (CY)	VOLUME FILL (CY)	CUMULATIVE VOLUME CUT (CY)	CUMULATIVE VOLUME FILL (CY)	MASS HAUL (CY)
4+41	57.8	0.0					
4+50	57.5	0.0	19	0	19	0	19
4+78	125.0	0.0	95	0	114	0	114

STAGE 1 - STH70 (WEST) EXP Fact = 1.3

STATION	END AREA CUT (SF)	END AREA FILL (SF)	VOLUME CUT (CY)	VOLUME FILL (CY)	CUMULATIVE VOLUME CUT (CY)	CUMULATIVE VOLUME FILL (CY)	MASS HAUL (CY)
8+53	64.33	0.91					
8+75	80.09	0.28	59	1	59	1	58
9+00	97.05	0.16	82	0	141	1	140
9+25	111.75	0.00	97	0	238	1	237
9+78	162.3	0.00	269	0	507	1	506

STAGE 1 - STH 70 (EAST) EXP Fact = 1.3

STATION	END AREA CUT (SF)	END AREA FILL (SF)	VOLUME CUT (CY)	VOLUME FILL (CY)	CUMULATIVE VOLUME CUT (CY)	CUMULATIVE VOLUME FILL (CY)	MASS HAUL (CY)
10+22	162.3	0.0					
10+50	51.85	0.00	111	0	111	0	111
10+75	67.55	0.73	55	0	166	0	166
10+91	67.08	0.38	40	0	206	0	206
11+10	68.76	1.91	48	1	254	1	253

STAGE 2 - USH 63 EXP Fact = 1.3

STATION	END AREA CUT (SF)	END AREA FILL (SF)	VOLUME CUT (CY)	VOLUME FILL (CY)	CUMULATIVE VOLUME CUT (CY)	CUMULATIVE VOLUME FILL (CY)	MASS HAUL (CY)
1263+50	74.4	0.9					
1264+00	92.7	0.0	155	1	155	1	154
1264+50	116.3	0.0	194	0	349	1	348
1265+00	98.4	0.0	199	0	548	1	547
1265+50	82.4	0.0	167	0	715	1	714
1266+00	58.2	0.0	130	0	845	1	844
1266+50	65.8	0.0	115	0	960	1	959
1267+00	85.6	0.0	140	0	1100	1	1099
1267+50	80.2	0.0	153	0	1253	1	1252
1268+00	88.6	0.0	156	0	1409	1	1408
1268+30	95.4	0.0	102	0	1511	1	1510
1268+50	84.7	0.0	67	0	1578	1	1577
1269+00	79.8	0.0	152	0	1730	1	1729
1269+50	76.9	0.0	145	0	1875	1	1874
1270+00	66.3	0.0	133	0	2008	1	2007
1270+50	71.6	0.0	128	0	2136	1	2135
1271+00	124.5	0.4	182	0	2318	1	2317
1271+50	96.2	0.1	204	1	2522	2	2520
1272+00	85.9	0.0	169	0	2691	2	2689
1272+18	94.3	0.0	60	0	2751	2	2749
1272+50	80.8	0.7	104	1	2855	3	2852
1273+00	79.6	0.1	149	1	3004	4	3000
1273+50	88.4	0.0	156	0	3160	4	3156
1274+00	76.5	0.0	153	0	3313	4	3309
1274+50	57.4	0.0	124	0	3437	4	3433
1274+82	98.6	0.0	92	0	3529	4	3525
1275+00	96.0	0.0	65	0	3594	4	3590
1275+50	82.9	0.1	166	0	3760	4	3756
1276+00	96.9	0.0	167	0	3927	4	3923
1276+50	87.2	0.0	171	0	4098	4	4094
1277+00	0.0	0.0	81	0	4179	4	4175
1277+50	83.9	0.0	78	0	4257	4	4253
1278+00	71.4	0.0	144	0	4401	4	4397
1278+50	89.7	0.0	149	0	4550	4	4546
1279+00	88.9	0.0	165	0	4715	4	4711

STAGE 2 - VINE STREET (WEST) EXP Fact = 1.3

STATION	END AREA CUT (SF)	END AREA FILL (SF)	VOLUME CUT (CY)	VOLUME FILL (CY)	CUMULATIVE VOLUME CUT (CY)	CUMULATIVE VOLUME FILL (CY)	MASS HAUL (CY)
19+25	64.4	0.0					
19+50	65.8	0.0	60	0	60	0	60
19+78	111.7	0.0	92	0	152	0	152

STAGE 2 - VINE STREET (EAST) EXP Fact = 1.3

STATION	END AREA CUT (SF)	END AREA FILL (SF)	VOLUME CUT (CY)	VOLUME FILL (CY)	CUMULATIVE VOLUME CUT (CY)	CUMULATIVE VOLUME FILL (CY)	MASS HAUL (CY)
20+22	111.7	0.0					
20+49	74.8	1.9	93	1	93	1	92
20+63	79.6	1.2	40	1	133	2	131
20+85	50.5	0.0	53	1	186	3	183

STAGE 2 - ASH STREET (WEST) EXP Fact = 1.3

STATION	END AREA CUT (SF)	END AREA FILL (SF)	VOLUME CUT (CY)	VOLUME FILL (CY)	CUMULATIVE VOLUME CUT (CY)	CUMULATIVE VOLUME FILL (CY)	MASS HAUL (CY)
29+25	66.7	0.0					
29+50	79.1	0.0	68	0	68	0	68
29+78	135.0	0.0	111	0	179	0	179

STAGE 2 - ASH STREET (EAST) EXP Fact = 1.3

STATION	END AREA CUT (SF)	END AREA FILL (SF)	VOLUME CUT (CY)	VOLUME FILL (CY)	CUMULATIVE VOLUME CUT (CY)	CUMULATIVE VOLUME FILL (CY)	MASS HAUL (CY)
30+22	135.0	0.0					
30+50	88.3	0.0	116	0	116	0	116
30+85	66.9	0.0	101	0	217	0	217

STAGE 2 - OAK STREET (WEST) EXP Fact = 1.3

STATION	END AREA CUT (SF)	END AREA FILL (SF)	VOLUME CUT (CY)	VOLUME FILL (CY)	CUMULATIVE VOLUME CUT (CY)	CUMULATIVE VOLUME FILL (CY)	MASS HAUL (CY)
39+25	65.2	1.1					
39+50	86.9	0.8	70	1	70	1	69
39+78	113.1	0.0	104	1	174	2	172

STAGE 2 - OAK STREET (EAST) EXP Fact = 1.3

STATION	END AREA CUT (SF)	END AREA FILL (SF)	VOLUME CUT (CY)	VOLUME FILL (CY)	CUMULATIVE VOLUME CUT (CY)	CUMULATIVE VOLUME FILL (CY)	MASS HAUL (CY)
40+22	119.7	0.0					
40+50	74.5	0.9	101	1	101	1	100
40+70	79.9	0.0	57	0	158	1	157
40+80	80.2	0.0	30	0	188	1	187

STAGE 2 WALNUT STREET (WEST) EXP Fact = 1.3

STATION	END AREA CUT (SF)	END AREA FILL (SF)	VOLUME CUT (CY)	VOLUME FILL (CY)	CUMULATIVE VOLUME CUT (CY)	CUMULATIVE VOLUME FILL (CY)	MASS HAUL (CY)
49+51	51.4	0.0					
49+78	88.7	0.0	71	0	71	0	71

STAGE 2 - WALNUT STREET (EAST) EXP Fact= 1.3

STATION	END AREA CUT (SF)	END AREA FILL (SF)	VOLUME CUT (CY)	VOLUME FILL (CY)	CUMULATIVE VOLUME CUT (CY)	CUMULATIVE VOLUME FILL (CY)	MASS HAUL (CY)
50+22	98.6	0.0					
50+50	57.4	0.0	81	0	81	0	81
50+70	57.7	0.0	43	0	124	0	124

STAGE 3 - USH 63 EXP Fact = 1.3

STATION	END AREA CUT (SF)	END AREA FILL (SF)	VOLUME CUT (CY)	VOLUME FILL (CY)	CUMULATIVE VOLUME CUT (CY)	CUMULATIVE VOLUME FILL (CY)	MASS HAUL (CY)
1279+00	88.9	0.0					
1279+50	89.5	0.0	165	0	165	0	165
1279+88	104.3	0.0	136	0	301	0	301
1280+00	101.4	0.0	46	0	347	0	347
1280+22	96.5	0.0	81	0	428	0	428
1280+50	81.1	0.1	92	0	520	0	520
1280+76	89.3	3.2	82	2	602	2	600
1281+00	84.4	0.0	77	2	679	4	675
1281+50	73.2	0.0	146	0	825	4	821
1282+00	77.3	0.0	139	0	964	4	960
1282+50	89.0	0.1	154	0	1118	4	1114
1283+00	80.3	0.0	157	0	1275	4	1271
1283+50	83.0	0.7	151	1	1426	5	1421
1283+75	83.2	4.0	77	3	1503	8	1495
1284+00	84.1	0.0	77	2	1580	10	1570
1284+50	87.5	0.1	159	0	1739	10	1729
1285+00	103.1	0.0	176	0	1915	10	1905
1285+50	82.4	0.0	172	0	2087	10	2077
1286+00	61.0	0.0	133	0	2220	10	2210
1286+50	71.2	0.0	122	0	2342	10	2332
1287+00	71.6	0.0	132	0	2474	10	2464
1287+60	90.4	0.0	180	0	2654	10	2644
1288+00	76.1	0.5	123	0	2777	10	2767
1288+50	89.3	0.0	153	1	2930	11	2919
1289+00	86.3	0.0	163	0	3093	11	3082
1289+50	79.6	0.0	154	0	3247	11	3236
1290+00	79.2	0.0	147	0	3394	11	3383
1290+50	98.5	0.0	164	0	3558	11	3547
1291+00	87.7	0.0	172	0	3730	11	3719
1291+50	91.4	2.7	166	3	3896	14	3882
1292+00	87.7	0.0	166	3	4062	17	4045
1292+50	109.1	0.0	182	0	4244	17	4227
1293+00	68.0	0.0	164	0	4408	17	4391
1293+50	67.8	0.0	126	0	4534	17	4517
1294+00	76.1	0.1	133	0	4667	17	4650

STAGE 3 - ELM STREET (WEST) EXP Fact = 1.3

STATION	END AREA CUT (SF)	END AREA FILL (SF)	VOLUME CUT (CY)	VOLUME FILL (CY)	CUMULATIVE VOLUME CUT (CY)	CUMULATIVE VOLUME FILL (CY)	MASS HAUL (CY)
59+25	61.3	0.0					
59+50	72.2	0.3	62	0	62	0	62
59+78	162.0	0.0	121	0	183	0	183

STAGE 3 - ELM STREET (EAST) EXP Fact = 1.3

STATION	END AREA CUT (SF)	END AREA FILL (SF)	VOLUME CUT (CY)	VOLUME FILL (CY)	CUMULATIVE VOLUME CUT (CY)	CUMULATIVE VOLUME FILL (CY)	MASS HAUL (CY)
60+22	153.0	0.0					
60+49	68.5	3.7	111	2	111	2	109
60+69	79.6	0.0	56	2	167	4	163
60+75	76.4	0.0	16	0	183	4	179

STAGE 3 - PINE STREET (WEST) EXP Fact = 1.3

STATION	END AREA CUT (SF)	END AREA FILL (SF)	VOLUME CUT (CY)	VOLUME FILL (CY)	CUMULATIVE VOLUME CUT (CY)	CUMULATIVE VOLUME FILL (CY)	MASS HAUL (CY)
69+15	36.0	0.0					
69+25	56.5	0.0	17	0	17	0	17
69+50	91.0	0.8	68	0	85	0	85
69+78	162.0	0.0	131	1	216	1	215

STAGE 3 - PINE STREET (EAST) EXP Fact = 1.3

STATION	END AREA CUT (SF)	END AREA FILL (SF)	VOLUME CUT (CY)	VOLUME FILL (CY)	CUMULATIVE VOLUME CUT (CY)	CUMULATIVE VOLUME FILL (CY)	MASS HAUL (CY)
70+22	153.0	0.0					
70+50	77.9	0.0	120	0	120	0	120
70+75	40.9	0.6	55	0	175	0	175

STAGE 3 - CEDAR STREET (WEST) EXP Fact = 1.3

STATION	END AREA CUT (SF)	END AREA FILL (SF)	VOLUME CUT (CY)	VOLUME FILL (CY)	CUMULATIVE VOLUME CUT (CY)	CUMULATIVE VOLUME FILL (CY)	MASS HAUL (CY)
79+15	51.0	0.0					
79+50	86.3	0.0	89	0	89	0	89
79+78	166.5	0.0	131	0	220	0	220

STAGE 3 - CEDAR STREET (EAST) EXP Fact = 1.3

STATION	END AREA CUT (SF)	END AREA FILL (SF)	VOLUME CUT (CY)	VOLUME FILL (CY)	CUMULATIVE VOLUME CUT (CY)	CUMULATIVE VOLUME FILL (CY)	MASS HAUL (CY)
80+22	162.0	0.0					
80+50	68.5	0.0	120	0	120	0	120
80+78	55.9	0.0	65	0	185	0	185

STAGE 3 - HAZEL STREET (WEST) EXP Fact = 1.3

STATION	END AREA CUT (SF)	END AREA FILL (SF)	VOLUME CUT (CY)	VOLUME FILL (CY)	CUMULATIVE VOLUME CUT (CY)	CUMULATIVE VOLUME FILL (CY)	MASS HAUL (CY)
89+15	68.2	0.0					
89+50	78.4	0.0	95	0	95	0	95
89+78	153.0	0.0	120	0	215	0	215

STAGE 3 - HAZEL STREET (EAST) EXP Fact = 1.3

STATION	END AREA CUT (SF)	END AREA FILL (SF)	VOLUME CUT (CY)	VOLUME FILL (CY)	CUMULATIVE VOLUME CUT (CY)	CUMULATIVE VOLUME FILL (CY)	MASS HAUL (CY)
90+22	132.3	0.0					
90+50	64.7	1.0	102	1	102	1	101
90+75	64.2	0.7	60	1	162	2	160

STAGE 4 - USH 63 EXP Fact = 1.3

STATION	END AREA CUT (SF)	END AREA FILL (SF)	VOLUME CUT (CY)	VOLUME FILL (CY)	CUMULATIVE VOLUME CUT (CY)	CUMULATIVE VOLUME FILL (CY)	MASS HAUL (CY)
1294+00	76.1	0.1					
1294+50	74.0	0.0	139	0	139	0	139
1295+08	88.5	0.0	175	0	314	0	314
1295+32	94.1	0.0	81	0	395	0	395
1295+50	80.2	0.0	58	0	453	0	453
1295+82	92.3	0.0	102	0	555	0	555
1296+00	86.2	0.0	60	0	615	0	615
1296+50	84.5	1.1	158	1	773	1	772
1297+00	75.0	0.0	148	1	921	2	919
1297+50	68.5	0.0	133	0	1054	2	1052
1298+00	73.1	0.1	131	0	1185	2	1183
1298+28	71.8	0.0	75	0	1260	2	1258
1298+50	66.1	0.0	56	0	1316	2	1314
1299+00	71.8	0.1	128	0	1444	2	1442
1299+18	82.5	0.0	51	0	1495	2	1493
1299+50	73.7	0.0	93	0	1588	2	1586
1300+00	84.4	0.0	146	0	1734	2	1732
1300+23	98.9	0.0	78	0	1812	2	1810
1300+50	86.2	0.0	93	0	1905	2	1903
1301+00	71.8	0.0	146	0	2051	2	2049
1301+50	61.1	0.0	123	0	2174	2	2172
1302+00	86.4	0.0	137	0	2311	2	2309
1302+50	84.3	0.0	158	0	2469	2	2467
1303+00	112.4	0.0	182	0	2651	2	2649
1303+50	106.4	0.0	203	0	2854	2	2852
1304+00	110.6	0.0	201	0	3055	2	3053
1304+50	79.4	0.0	176	0	3231	2	3229
1305+00	59.8	0.0	129	0	3360	2	3358
1305+40	55.9	4.1	86	4	3446	6	3440
1305+50	102.0	0.4	29	1	3475	7	3468
1306+00	101.3	0.0	188	1	3663	8	3655
1306+25	107.7	0.0	97	0	3760	8	3752
1306+50	99.9	0.1	96	0	3856	8	3848
1307+00	138.4	0.7	221	1	4077	9	4068
1307+50	132.3	0.0	251	1	4328	10	4318
1308+00	121.7	26.0	235	31	4563	41	4522
1308+25	105.1	18.0	105	26	4668	67	4601
1308+50	108.7	24.6	99	26	4767	93	4674
1308+70	113.4	34.7	82	29	4849	122	4727
1309+00	55.4	0.0	94	25	4943	147	4796
1309+50	55.2	0.0	102	0	5045	147	4898
1309+75	98.0	0.6	71	0	5116	147	4969
1310+00	93.0	3.3	88	2	5204	149	5055
1310+50	85.0	4.4	165	9	5369	158	5211
1310+69	84.3	5.2	59	4	5428	162	5266

STAGE 4 - SPRUCE STREET (WEST) EXP Fact = 1.3

STATION	END AREA CUT (SF)	END AREA FILL (SF)	VOLUME CUT (CY)	VOLUME FILL (CY)	CUMULATIVE VOLUME CUT (CY)	CUMULATIVE VOLUME FILL (CY)	MASS HAUL (CY)
99+25	70.4	0.0					
99+50	91.1	0.0	75	0	75	0	75
99+78	139.5	0.0	120	0	195	0	195

STAGE 4 - SPRUCE STREET (EAST) EXP Fact = 1.3

STATION	END AREA CUT (SF)	END AREA FILL (SF)	VOLUME CUT (CY)	VOLUME FILL (CY)	CUMULATIVE VOLUME CUT (CY)	CUMULATIVE VOLUME FILL (CY)	MASS HAUL (CY)
100+22	151.2	0.0					
100+50	76.2	0.0	118	0	118	0	118
100+75	42.4	0.0	55	0	173	0	173

STAGE 4 - BALSAM STREET (WEST) EXP Fact = 1.3

STATION	END AREA CUT (SF)	END AREA FILL (SF)	VOLUME CUT (CY)	VOLUME FILL (CY)	CUMULATIVE VOLUME CUT (CY)	CUMULATIVE VOLUME FILL (CY)	MASS HAUL (CY)
109+35	64.4	0.1					
109+50	71.6	0.0	38	0	38	0	38
109+78	149.4	0.0	115	0	153	0	153

STAGE 4 - BALSAM STREET (EAST) EXP Fact = 1.3

STATION	END AREA CUT (SF)	END AREA FILL (SF)	VOLUME CUT (CY)	VOLUME FILL (CY)	CUMULATIVE VOLUME CUT (CY)	CUMULATIVE VOLUME FILL (CY)	MASS HAUL (CY)
110+22	157.5	0.0					
110+50	67.7	1.4	117	1	117	1	116
110+70	54.5	0.8	45	1	162	2	160

STAGE 4 - POPLAR STREET (WEST) EXP Fact = 1.3

STATION	END AREA CUT (SF)	END AREA FILL (SF)	VOLUME CUT (CY)	VOLUME FILL (CY)	CUMULATIVE VOLUME CUT (CY)	CUMULATIVE VOLUME FILL (CY)	MASS HAUL (CY)
119+25	61.9	0.0					
119+48	74.6	0.1	58	0	58	0	58
119+78	121.3	0.8	109	1	167	1	166

STAGE 4 - POPLAR STREET (EAST) EXP Fact = 1.3

STATION	END AREA CUT (SF)	END AREA FILL (SF)	VOLUME CUT (CY)	VOLUME FILL (CY)	CUMULATIVE VOLUME CUT (CY)	CUMULATIVE VOLUME FILL (CY)	MASS HAUL (CY)
120+22	118.2	0.0					
120+49	54.6	0.4	86	0	86	0	86
120+74	55.6	0.3	51	0	137	0	137

STAGE 4 - NEW ROAD EXP Fact = 1.3

STATION	END AREA CUT (SF)	END AREA FILL (SF)	VOLUME CUT (CY)	VOLUME FILL (CY)	CUMULATIVE VOLUME CUT (CY)	CUMULATIVE VOLUME FILL (CY)	MASS HAUL (CY)
128+16	66.8	0.0					
128+25	60.4	0.0	21	0	21	0	21
128+50	26.7	3.2	40	2	61	2	59
128+75	38.8	1.0	30	3	91	5	86
129+00	67.6	0.0	49	1	140	6	134
129+17	120.6	0.2	59	0	199	6	193
129+43	33.4	54.3	74	34	273	40	233
129+78	157.7	0.0	124	46	397	86	311

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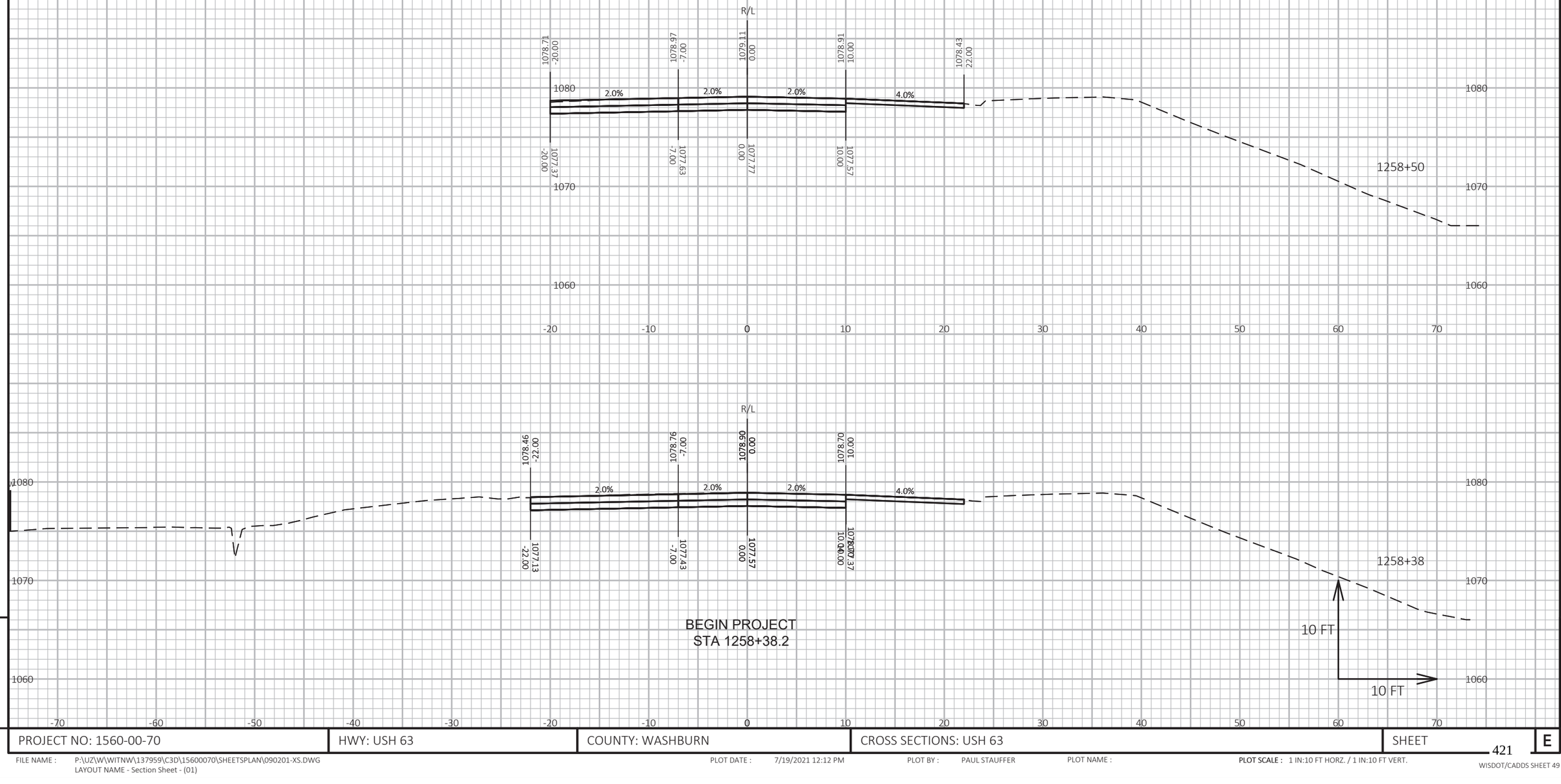
PROJECT NO: 1560-00-70 | HWY: USH 63 | COUNTY: WASHBURN | EARTHWORK | SHEET E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\090101_EW.DWG
LAYOUT NAME - 03

PLOT DATE : 7/28/2021 2:44 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

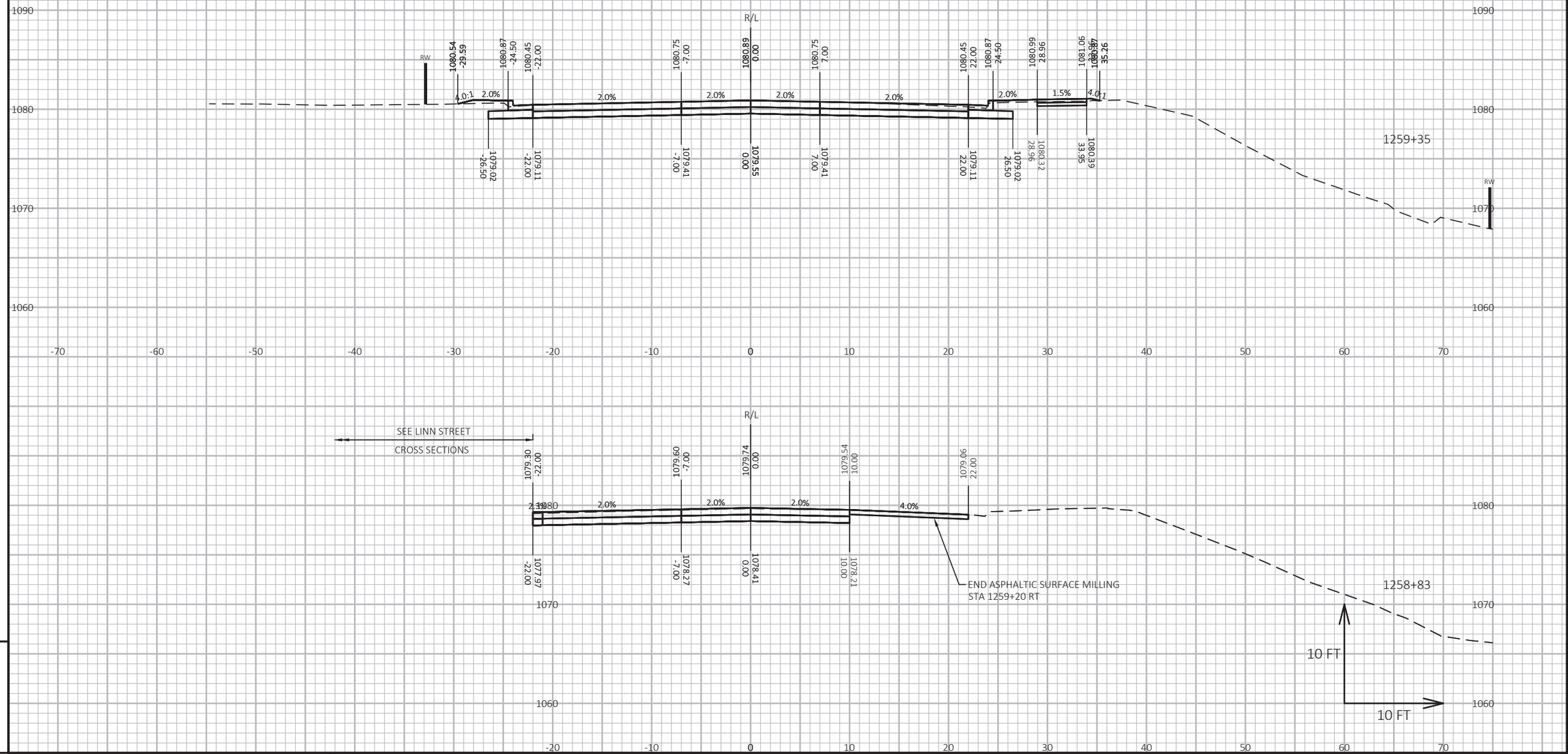


PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: USH 63	SHEET 421	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - Section Sheet - (01)

PLOT DATE : 7/19/2021 12:12 PM PLOT BY : PAUL STAUFFER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

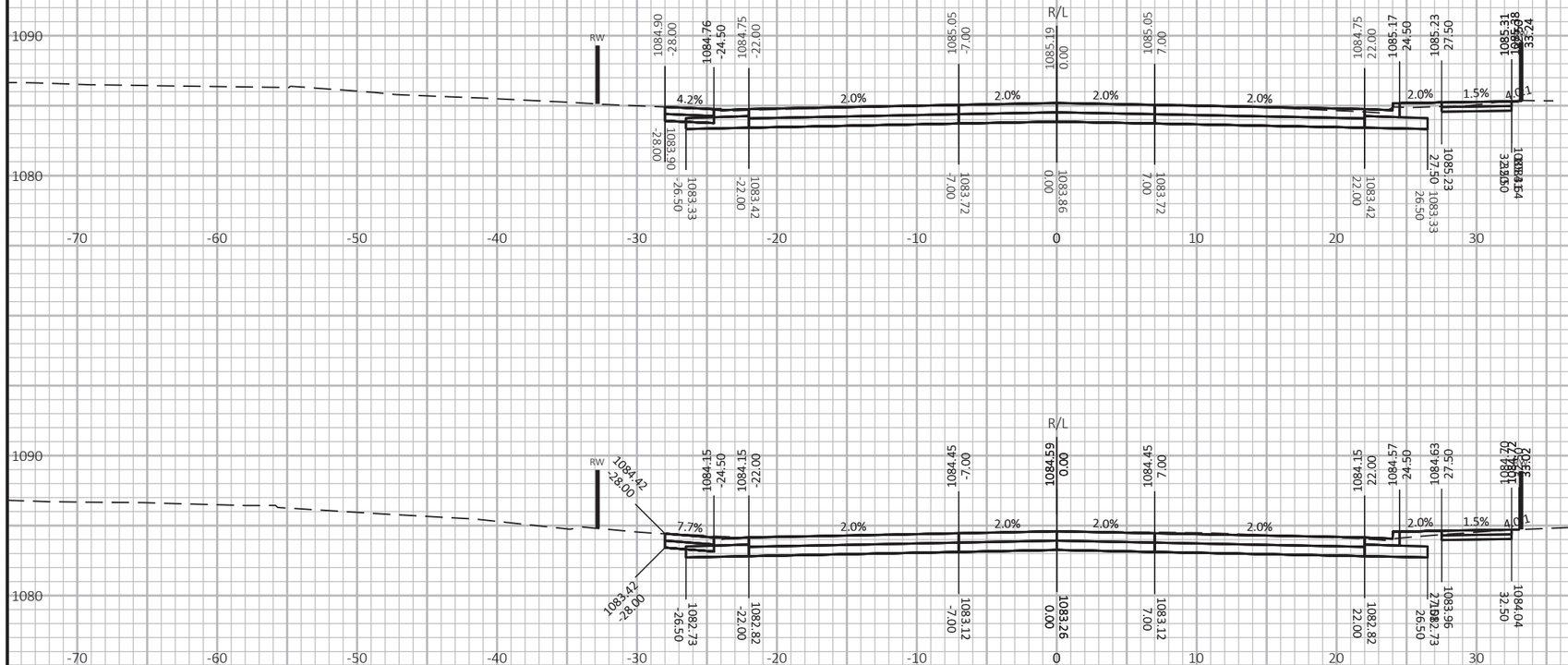


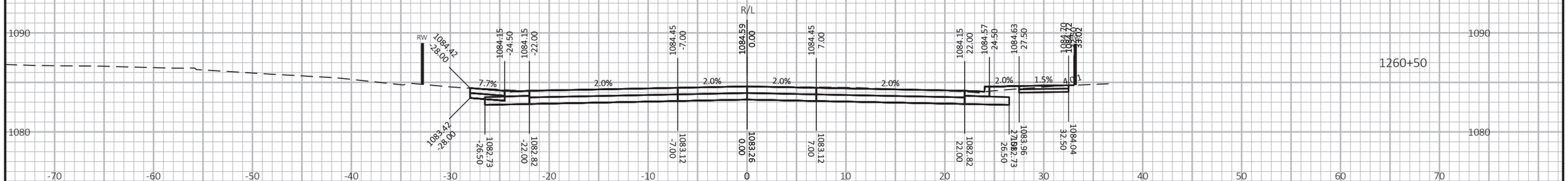
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: USH 63	SHEET 422	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - Section Sheet - (02)

PLOT DATE : 7/19/2021 12:12 PM PLOT BY : PAUL STAUFFER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: USH 63	SHEET 423	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - Section Sheet - (03)

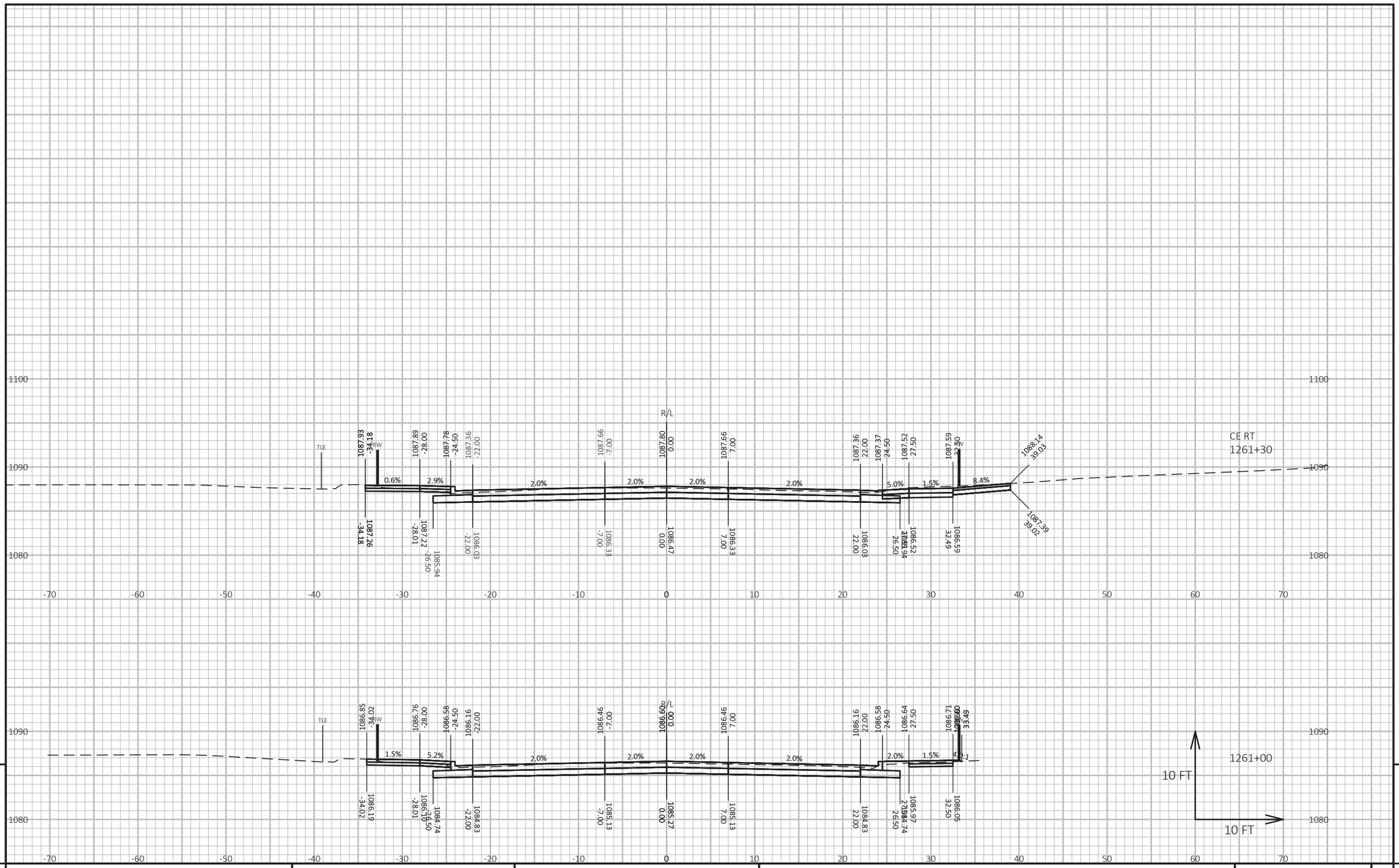
PLOT DATE : 7/19/2021 12:13 PM

PLOT BY : PAUL STAUFFER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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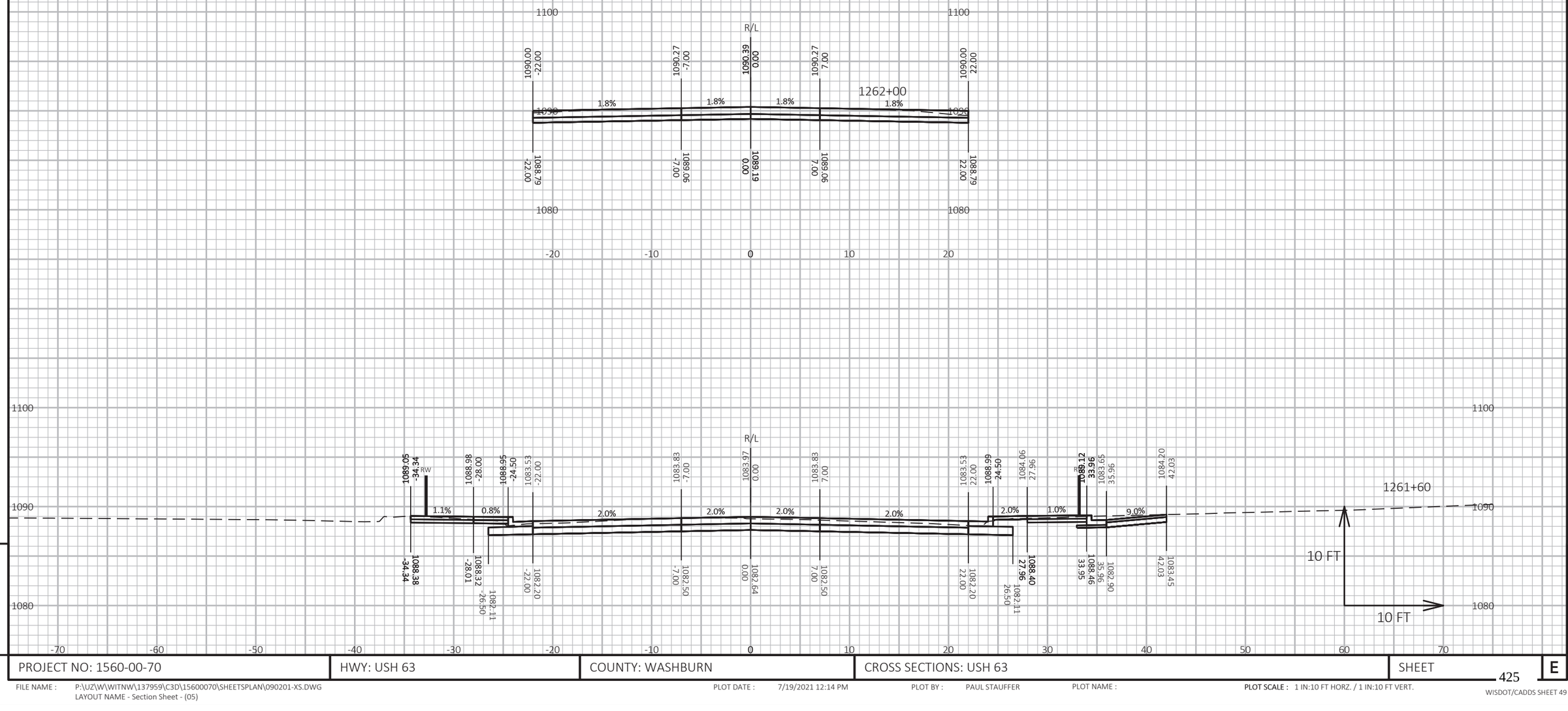
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: USH 63	SHEET 424	E

SEE STH 70
CROSS SECTIONS

SEE STH 70
CROSS SECTIONS



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PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: USH 63	SHEET	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - Section Sheet - (05)

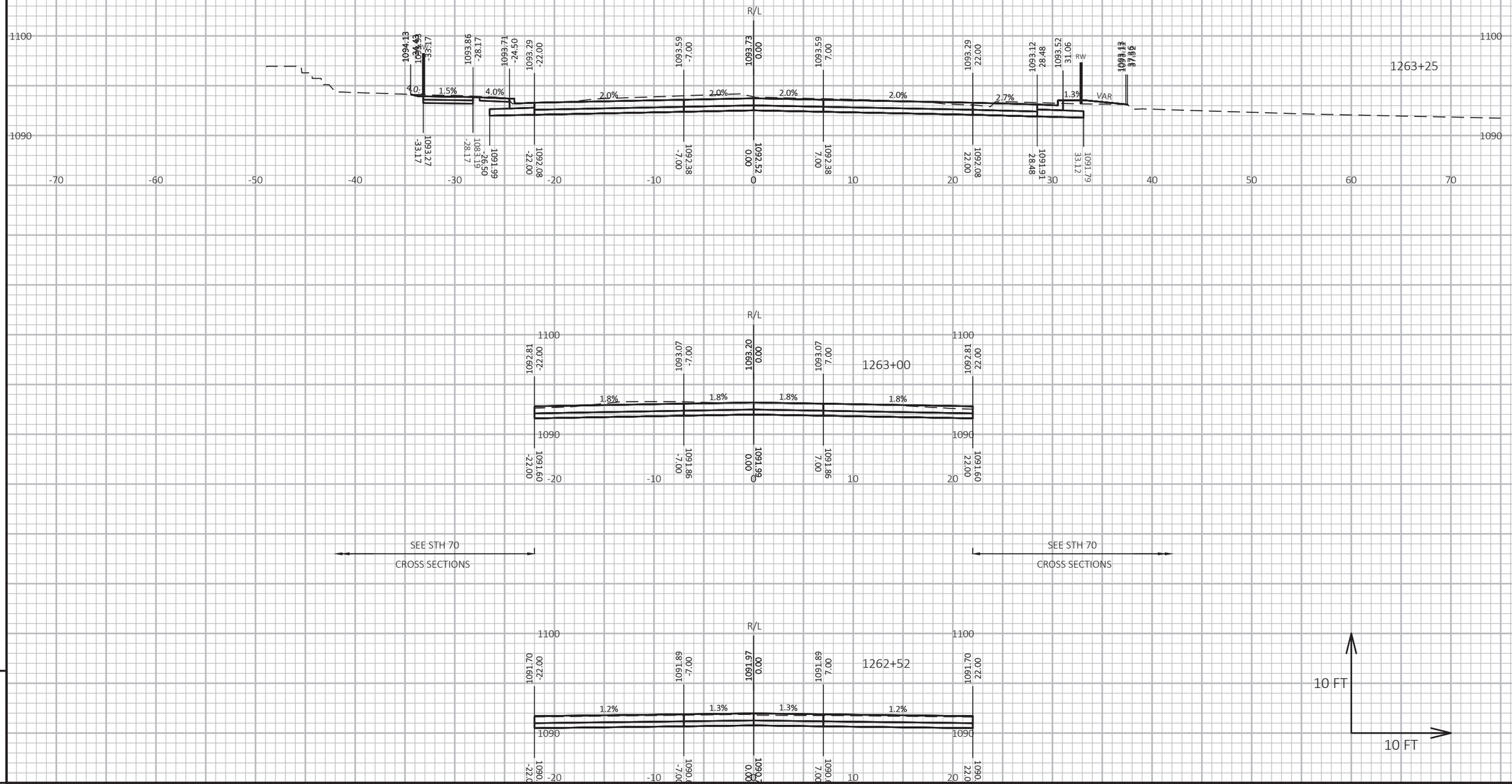
PLOT DATE : 7/19/2021 12:14 PM

PLOT BY : PAUL STAUFFER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: USH 63	SHEET 426	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - Section Sheet - (06)

PLOT DATE : 7/19/2021 12:14 PM PLOT BY : PAUL STAUFFER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: USH 63	SHEET 427

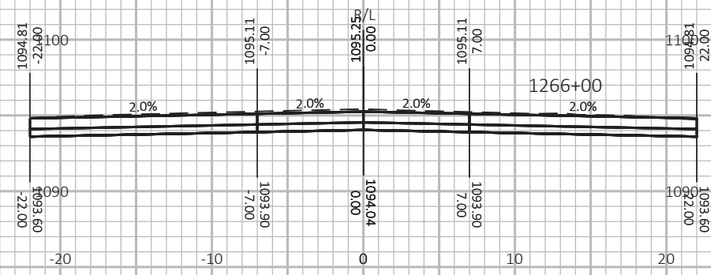
FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - Section Sheet - (07)

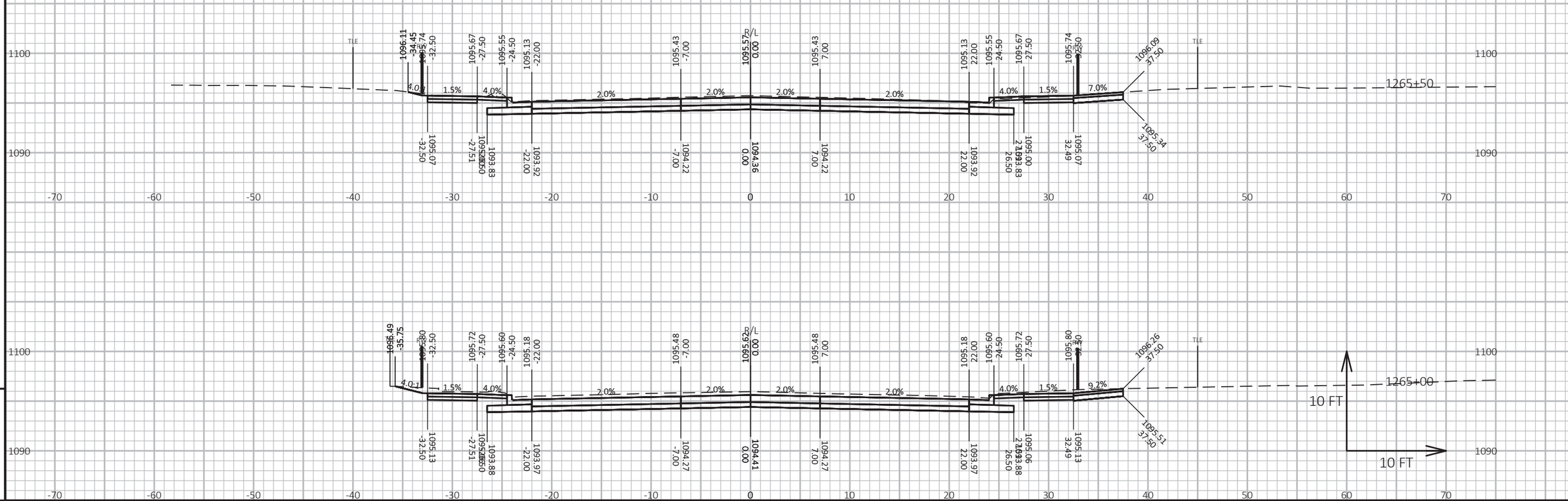
PLOT DATE : 7/19/2021 12:15 PM PLOT BY : PAUL STAUFFER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

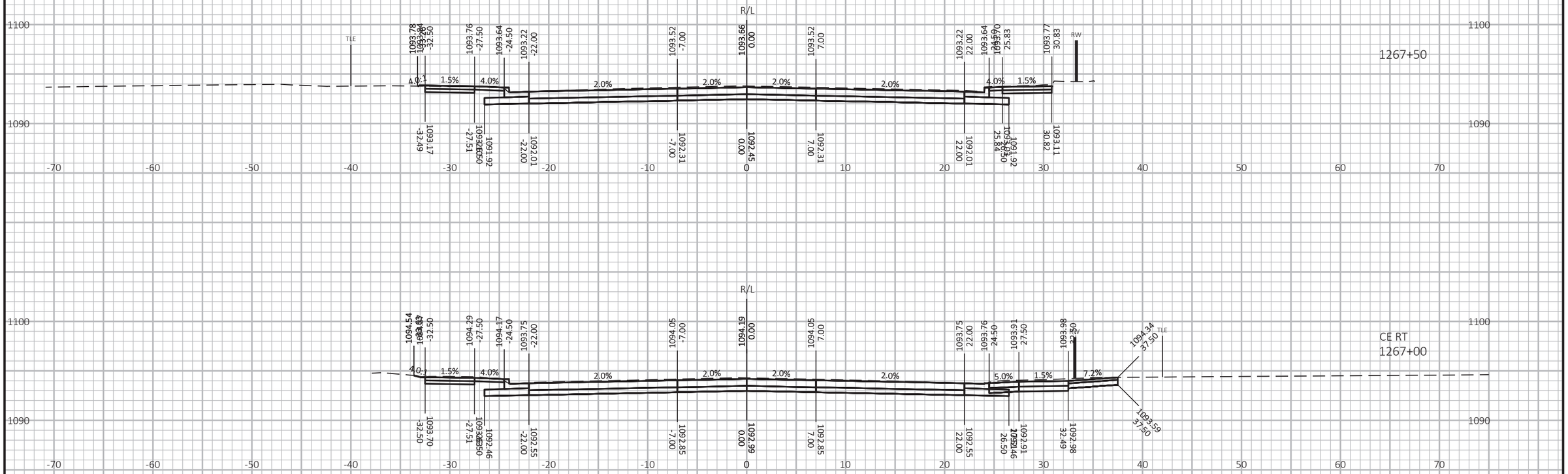
SEE VINE STREET
CROSS SECTIONS

SEE VINE STREET
CROSS SECTIONS



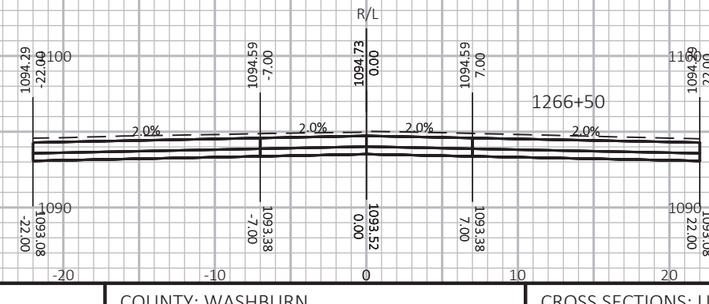


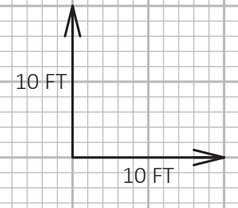
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: USH 63	SHEET	
				428	E



SEE VINE STREET CROSS SECTIONS

SEE VINE STREET CROSS SECTIONS





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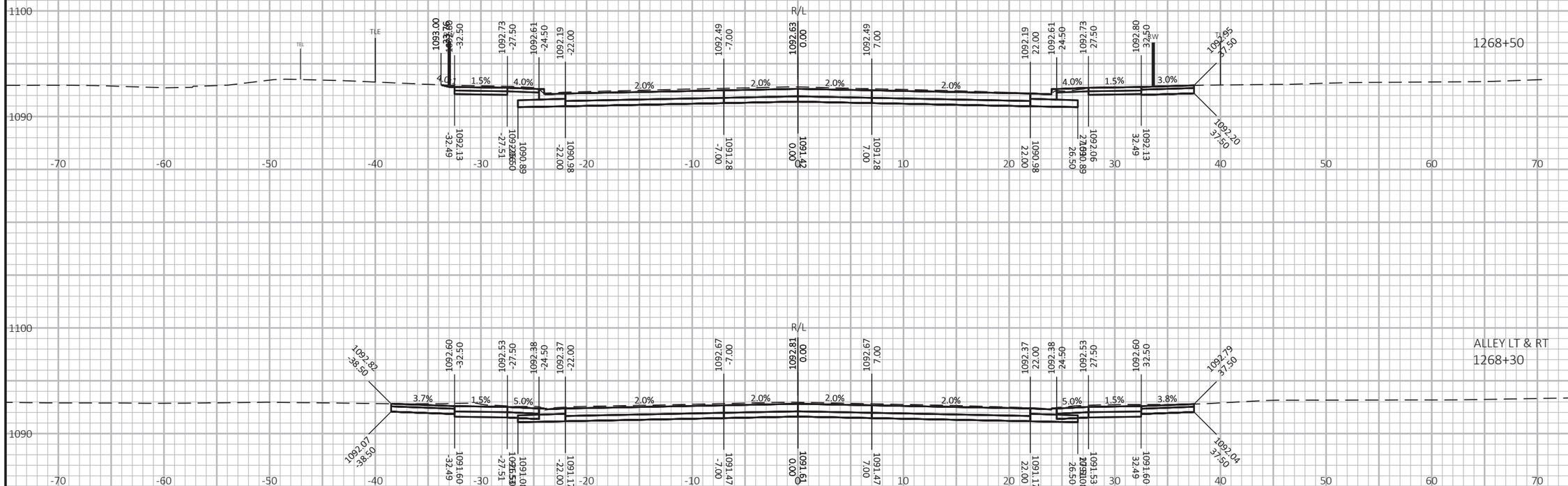
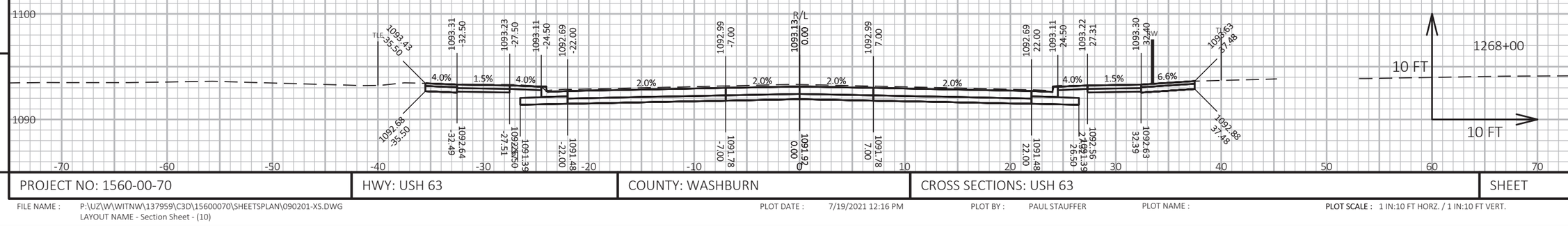
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: USH 63	SHEET 429	E





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PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: USH 63	SHEET 430	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - Section Sheet - (10)

PLOT DATE : 7/19/2021 12:16 PM

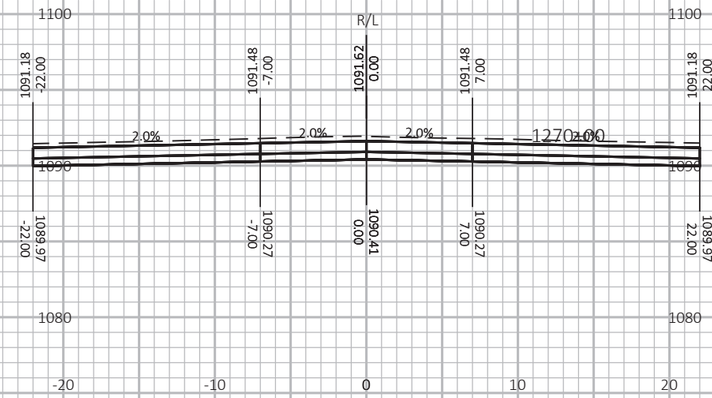
PLOT BY : PAUL STAUFFER

PLOT NAME :

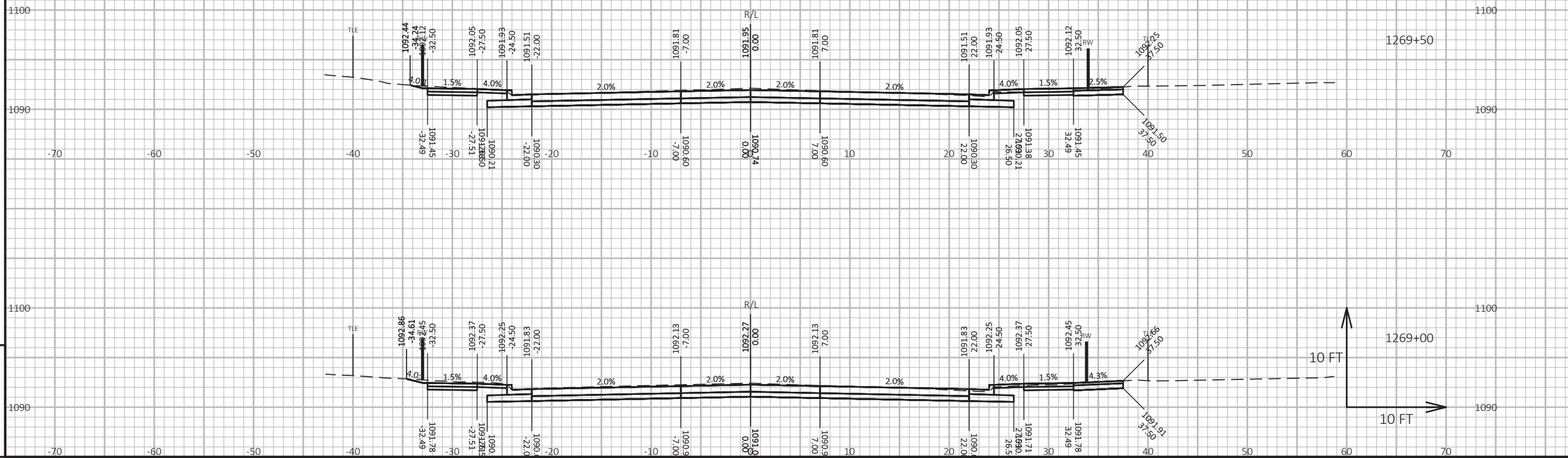
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

SEE ASH STREET
CROSS SECTIONS



SEE ASH STREET
CROSS SECTIONS



9

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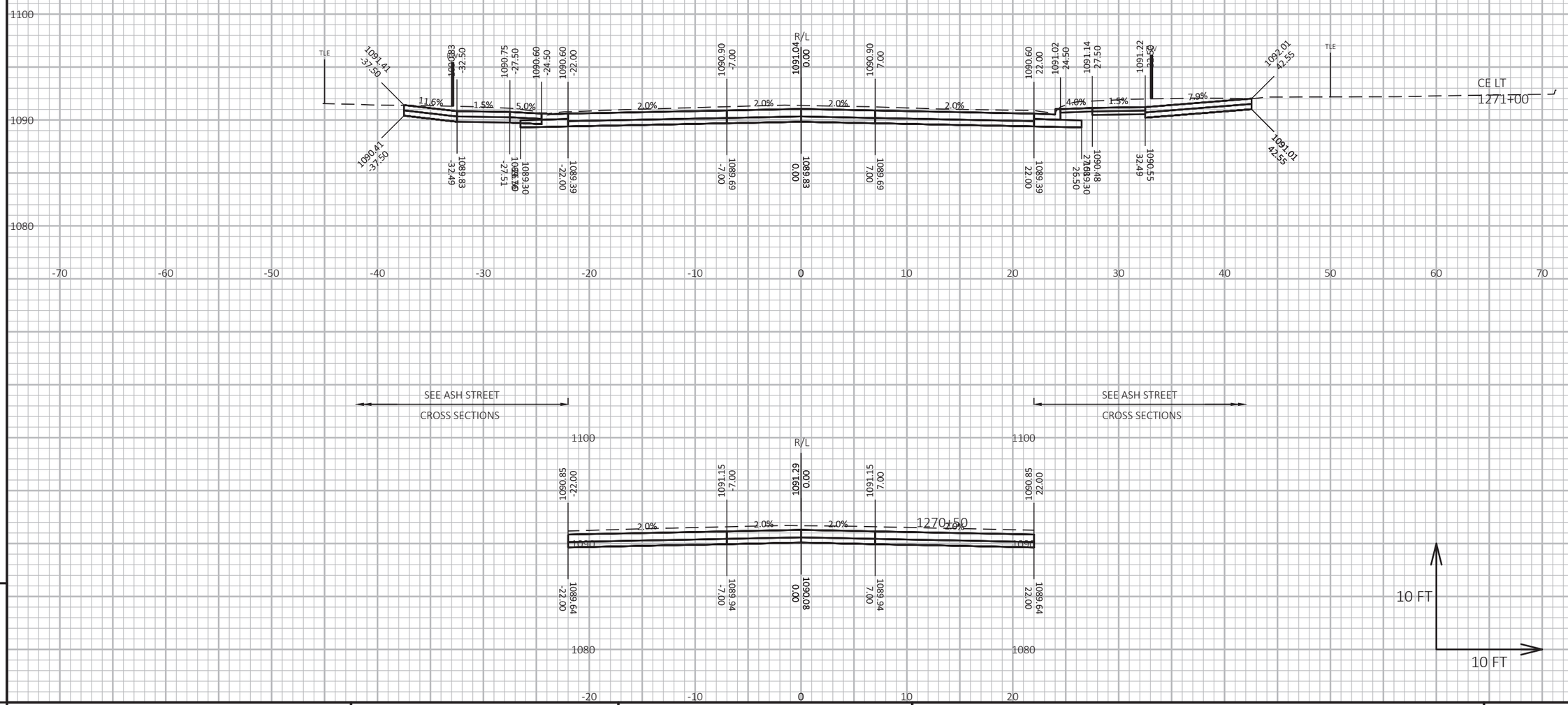
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: USH 63	SHEET 431	E



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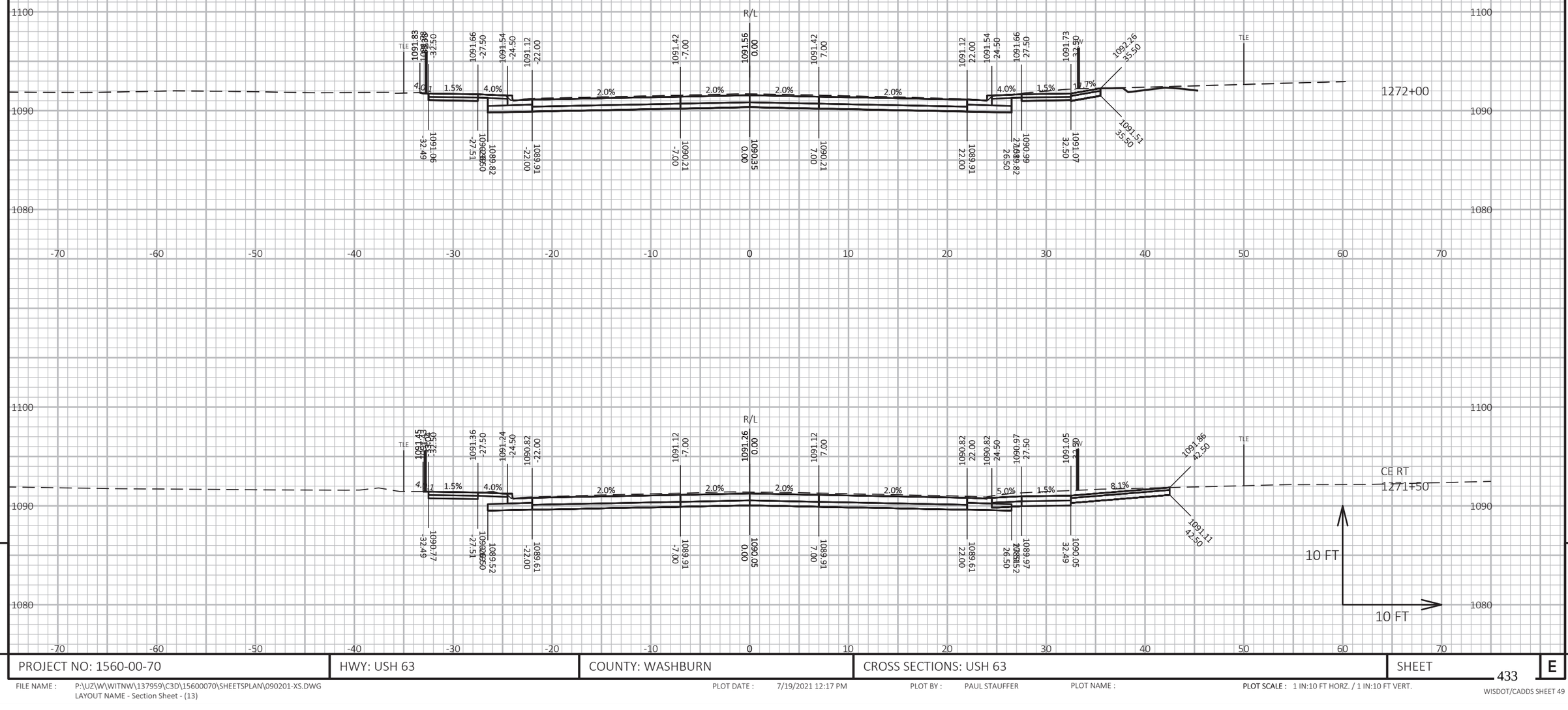
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: USH 63	SHEET 432	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - Section Sheet - (12)

PLOT DATE : 7/19/2021 12:17 PM PLOT BY : PAUL STAUFFER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

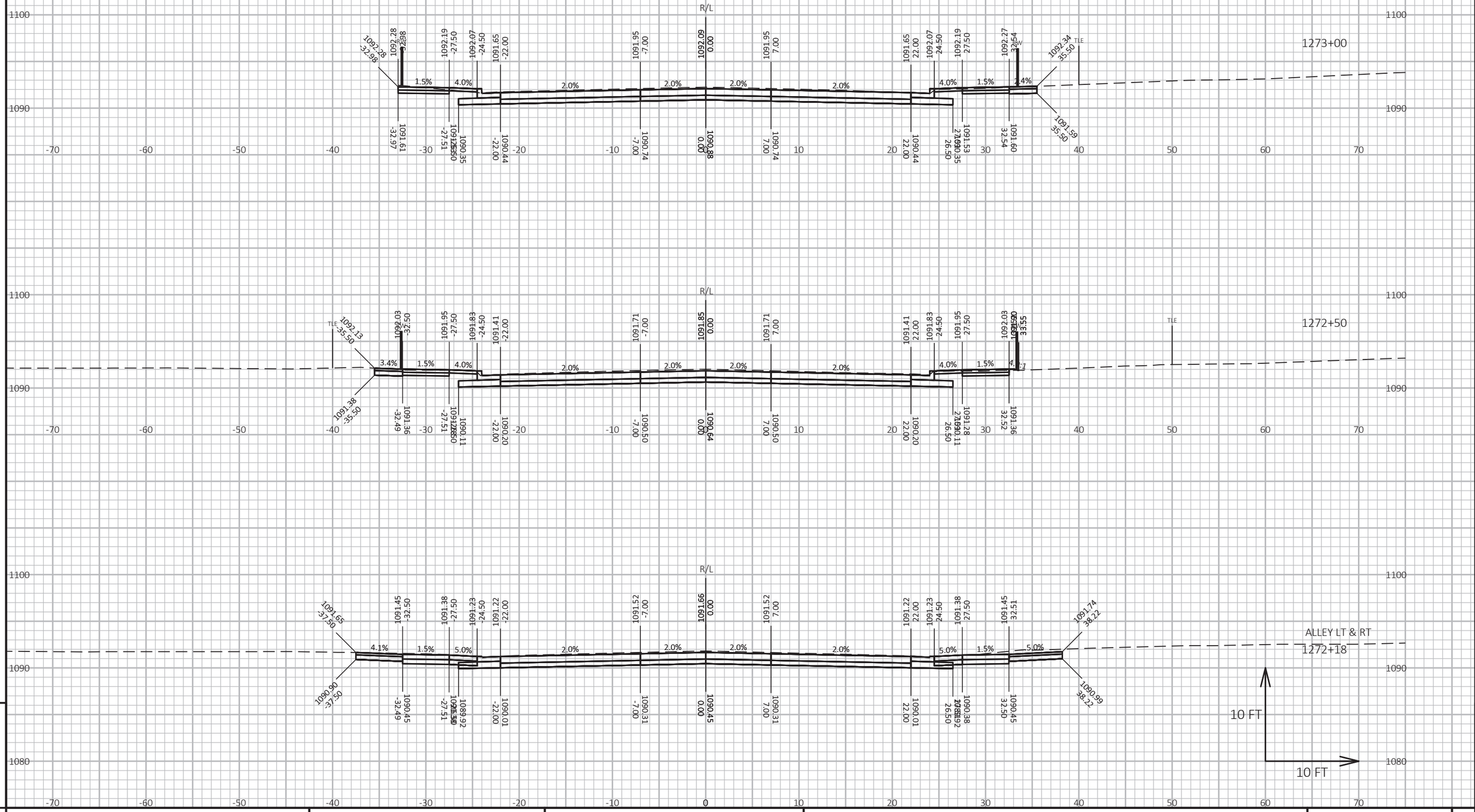


PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: USH 63	SHEET 433	E

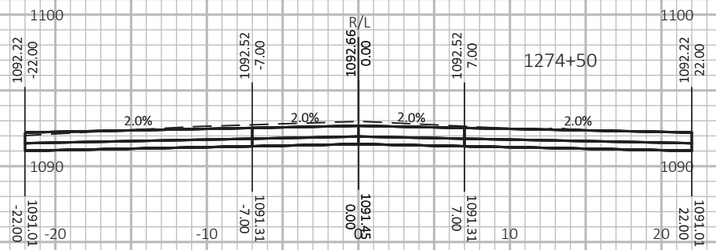
FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - Section Sheet - (13)

PLOT DATE : 7/19/2021 12:17 PM PLOT BY : PAUL STAUFFER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

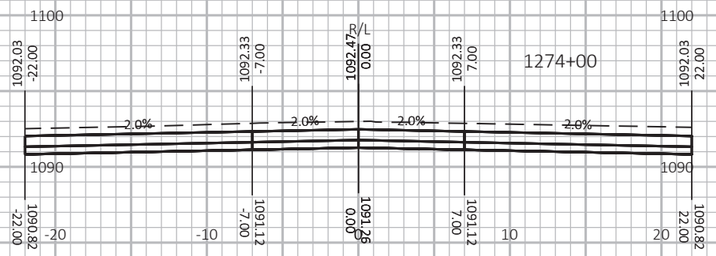


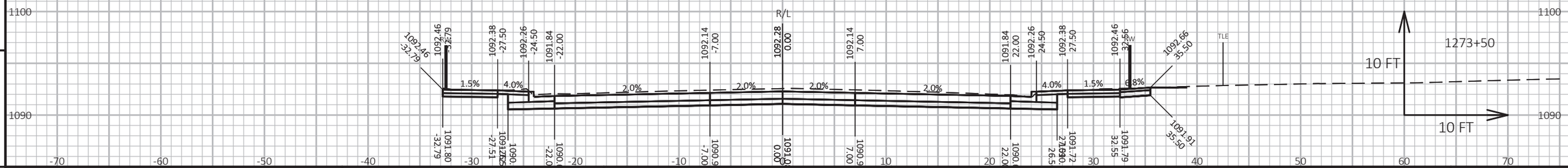
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: USH 63	SHEET 434 E



SEE OAK STREET
CROSS SECTIONS

SEE OAK STREET
CROSS SECTIONS





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PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: USH 63	SHEET	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - Section Sheet - (15)

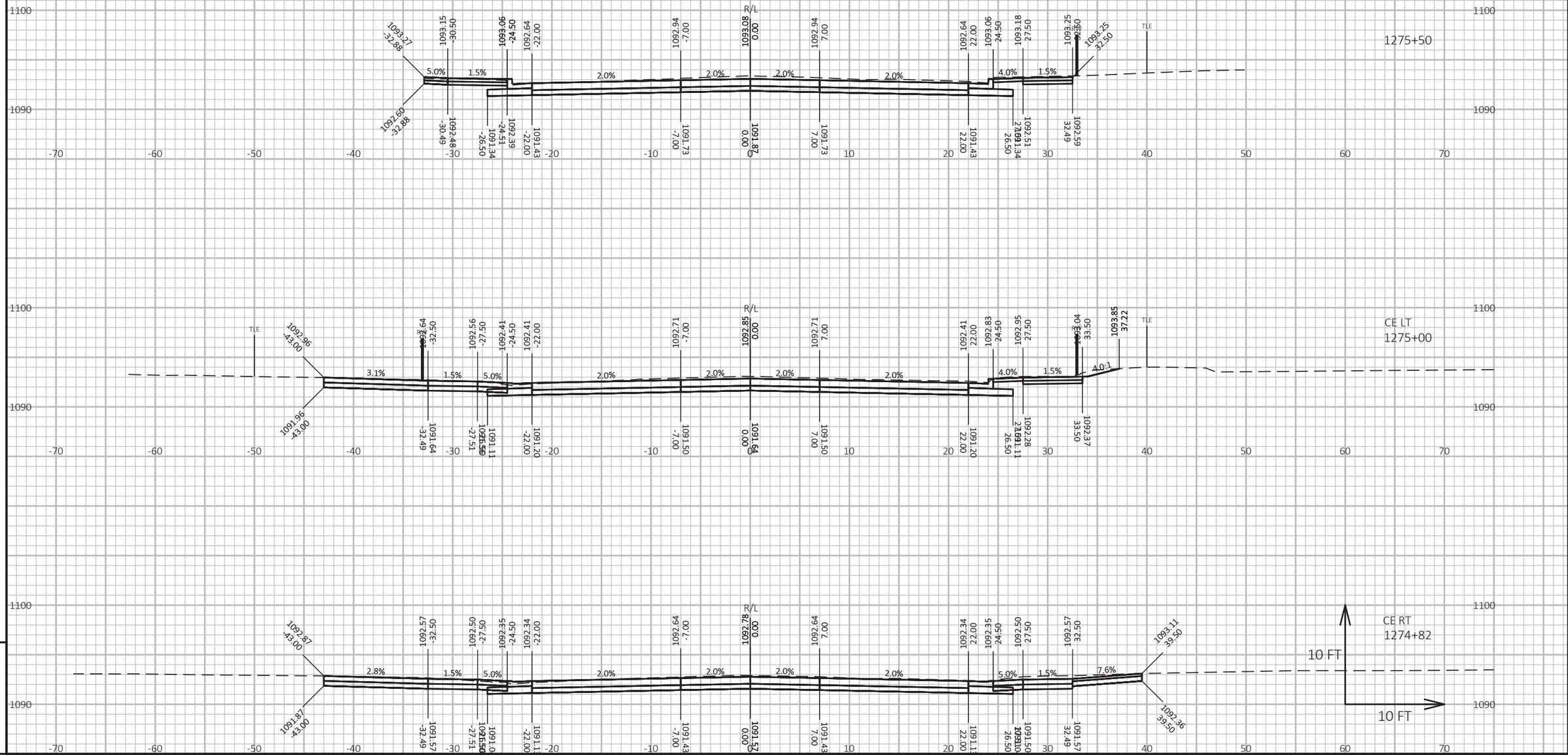
PLOT DATE : 7/19/2021 12:18 PM

PLOT BY : PAUL STAUFFER

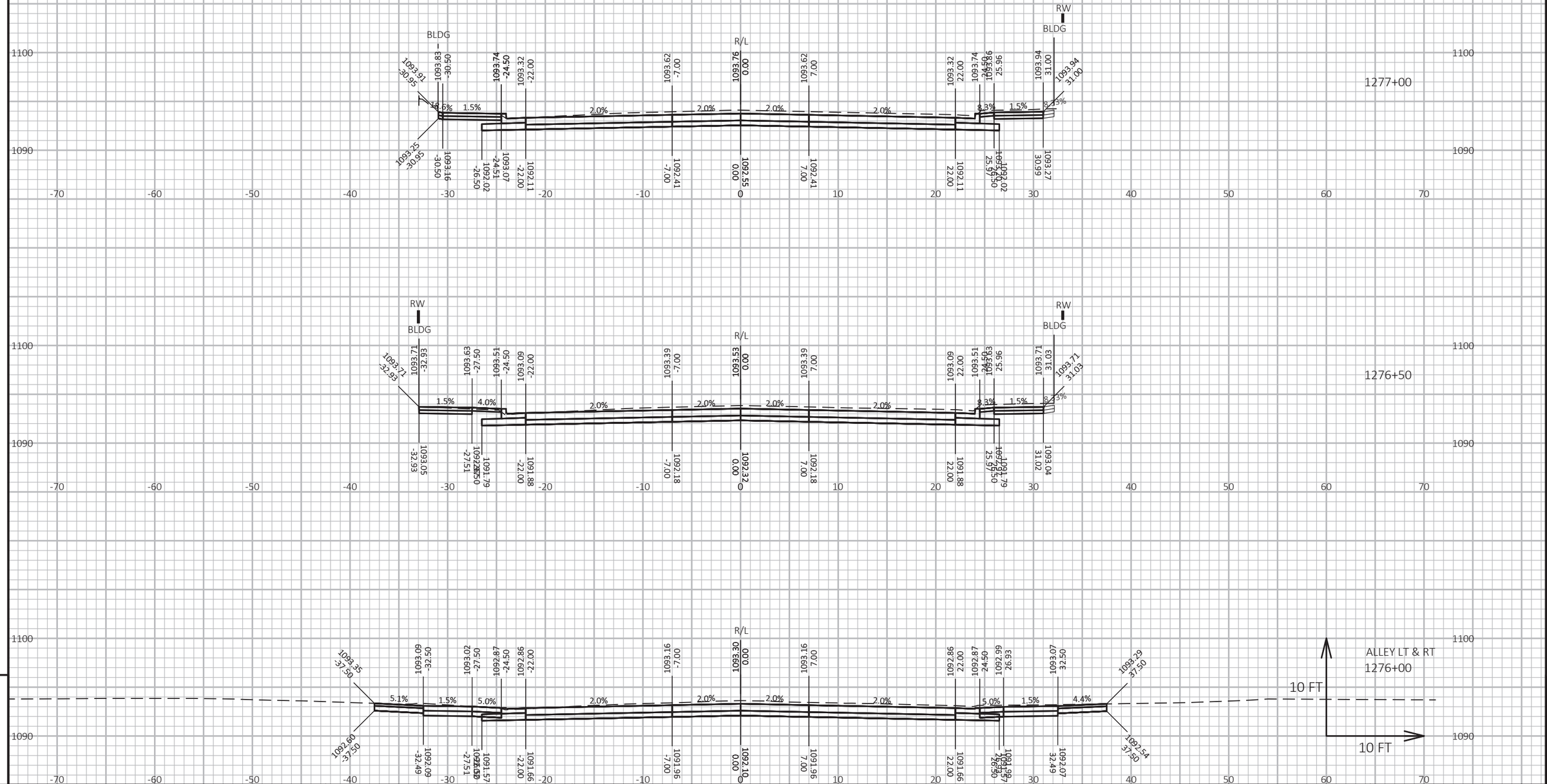
PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: USH 63	SHEET 436



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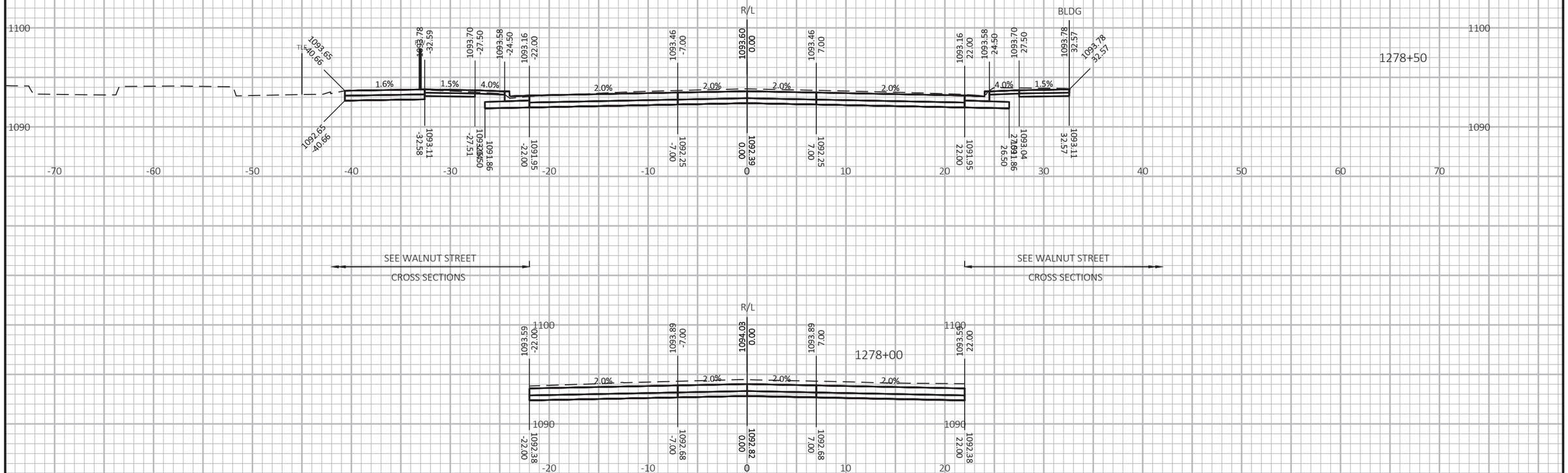
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: USH 63	SHEET 437	E

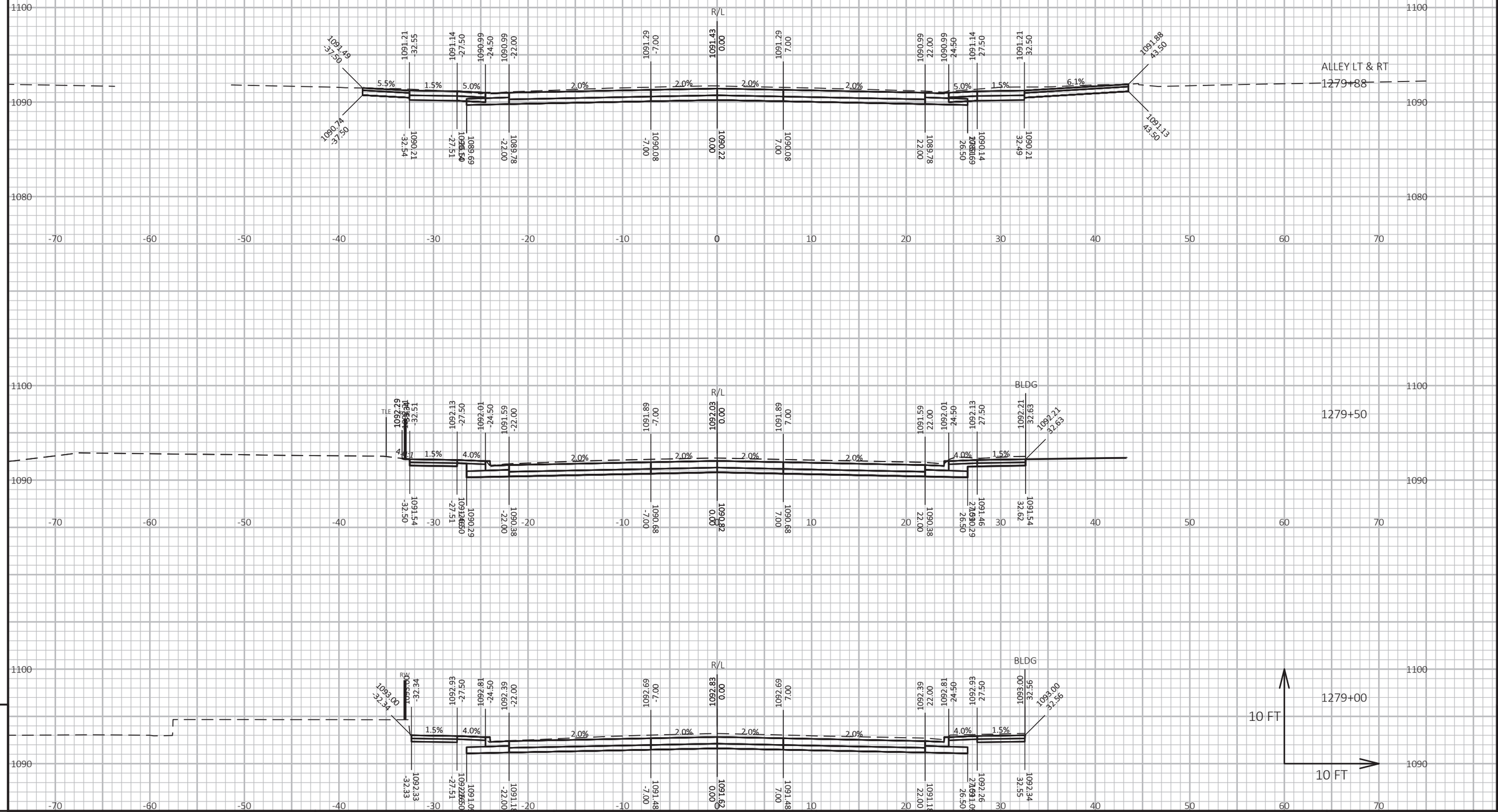


PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: USH 63	SHEET 438	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - Section Sheet - (18)

PLOT DATE : 7/19/2021 12:20 PM PLOT BY : PAUL STAUFFER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: USH 63	SHEET 439 E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - Section Sheet - (19)

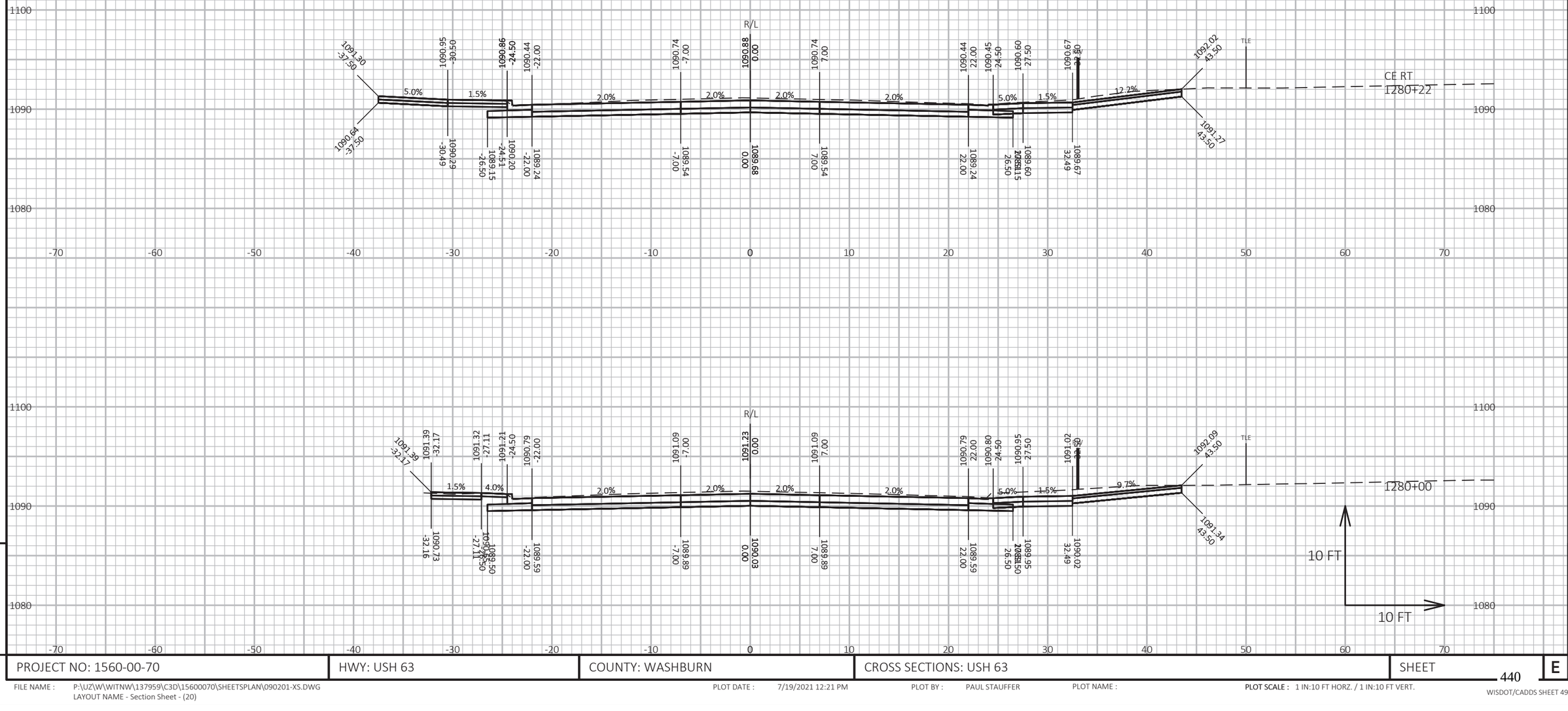
PLOT DATE : 7/19/2021 12:20 PM

PLOT BY : PAUL STAUFFER

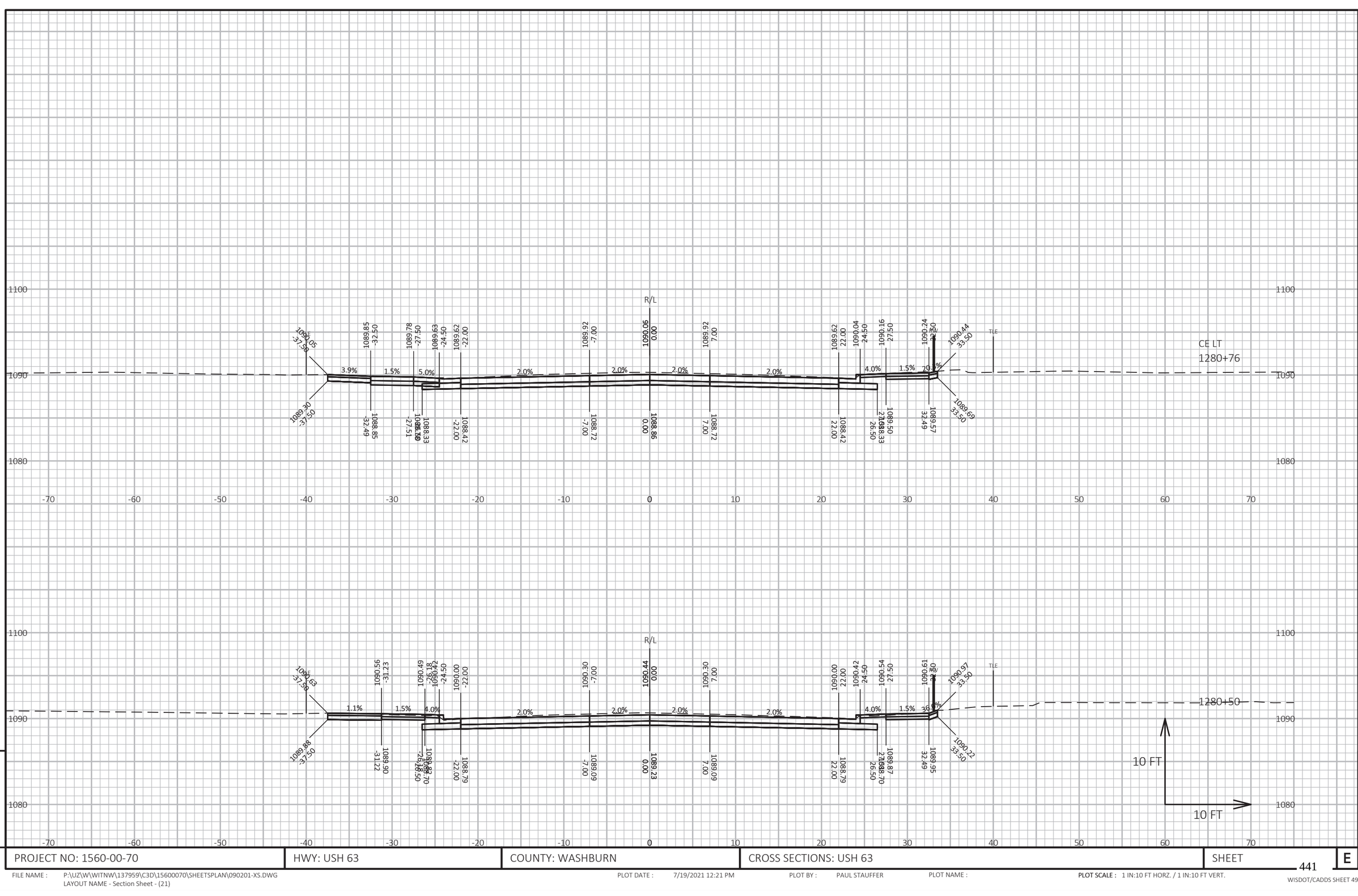
PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: USH 63	SHEET 440	E



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PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: USH 63	SHEET 441	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - Section Sheet - (21)

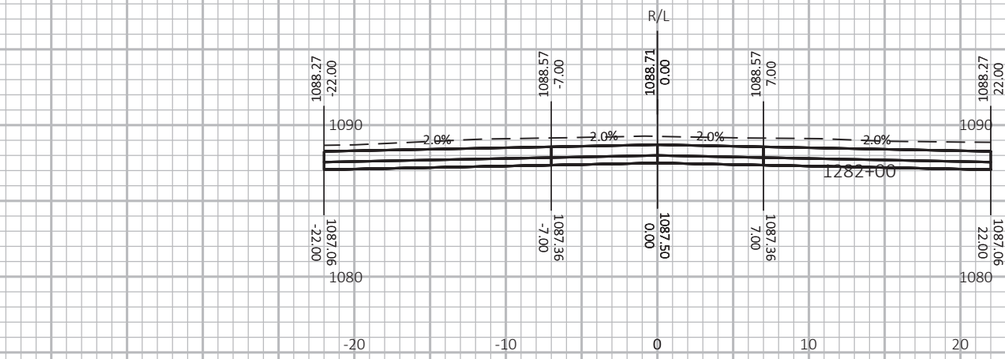
PLOT DATE : 7/19/2021 12:21 PM

PLOT BY : PAUL STAUFFER

PLOT NAME :

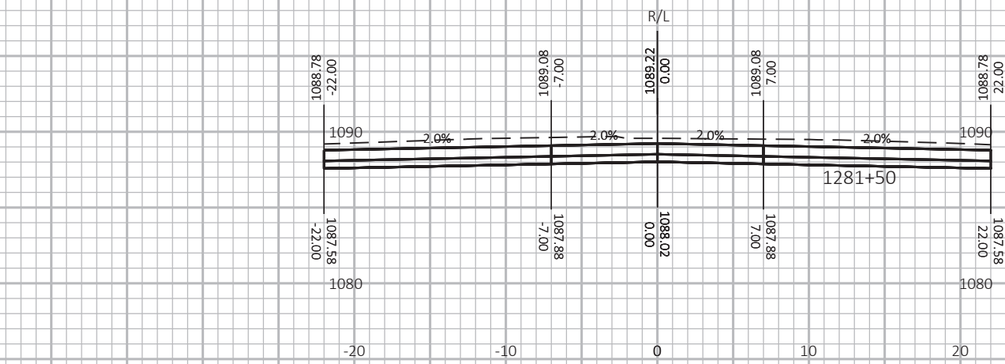
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

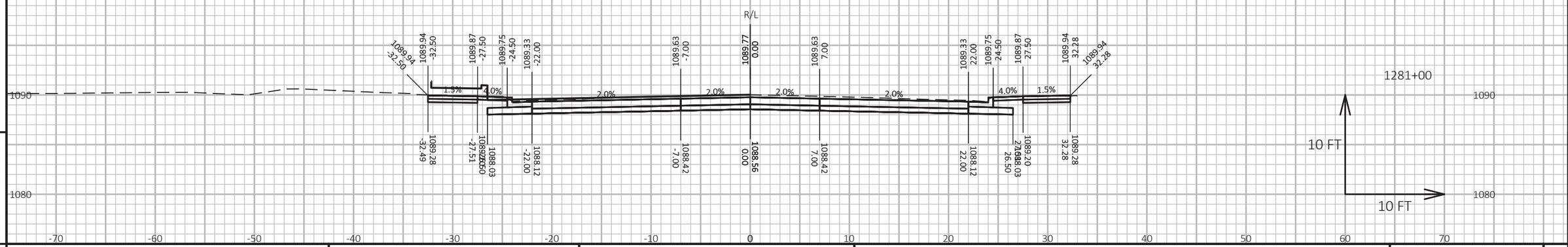
WISDOT/CADDS SHEET 49



SEE ELM STREET CROSS SECTIONS

SEE ELM STREET CROSS SECTIONS





9

9

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: USH 63	SHEET	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - Section Sheet - (22)

PLOT DATE : 7/19/2021 12:22 PM

PLOT BY : PAUL STAUFFER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

R/L
TLE
1088.19 -32.50
1088.11 -27.50
1087.99 -24.50
1087.57 -22.00
1087.87 -7.00
1088.01 0.00
1087.87 7.00
1087.57 22.00
1087.99 24.50
1088.11 27.50
1088.20 33.50
1088.17 34.17
1087.68 -37.50
1087.52 -32.49
1087.51 -27.51
1086.50 -24.50
1086.27 -24.50
1086.36 -22.00
1086.66 -7.00
1086.80 0.00
1086.66 7.00
1086.36 22.00
1086.27 26.50
1087.44 27.50
1087.53 33.50
5.0%
1.5%
4.0%
2.0%
1090
1080
-70
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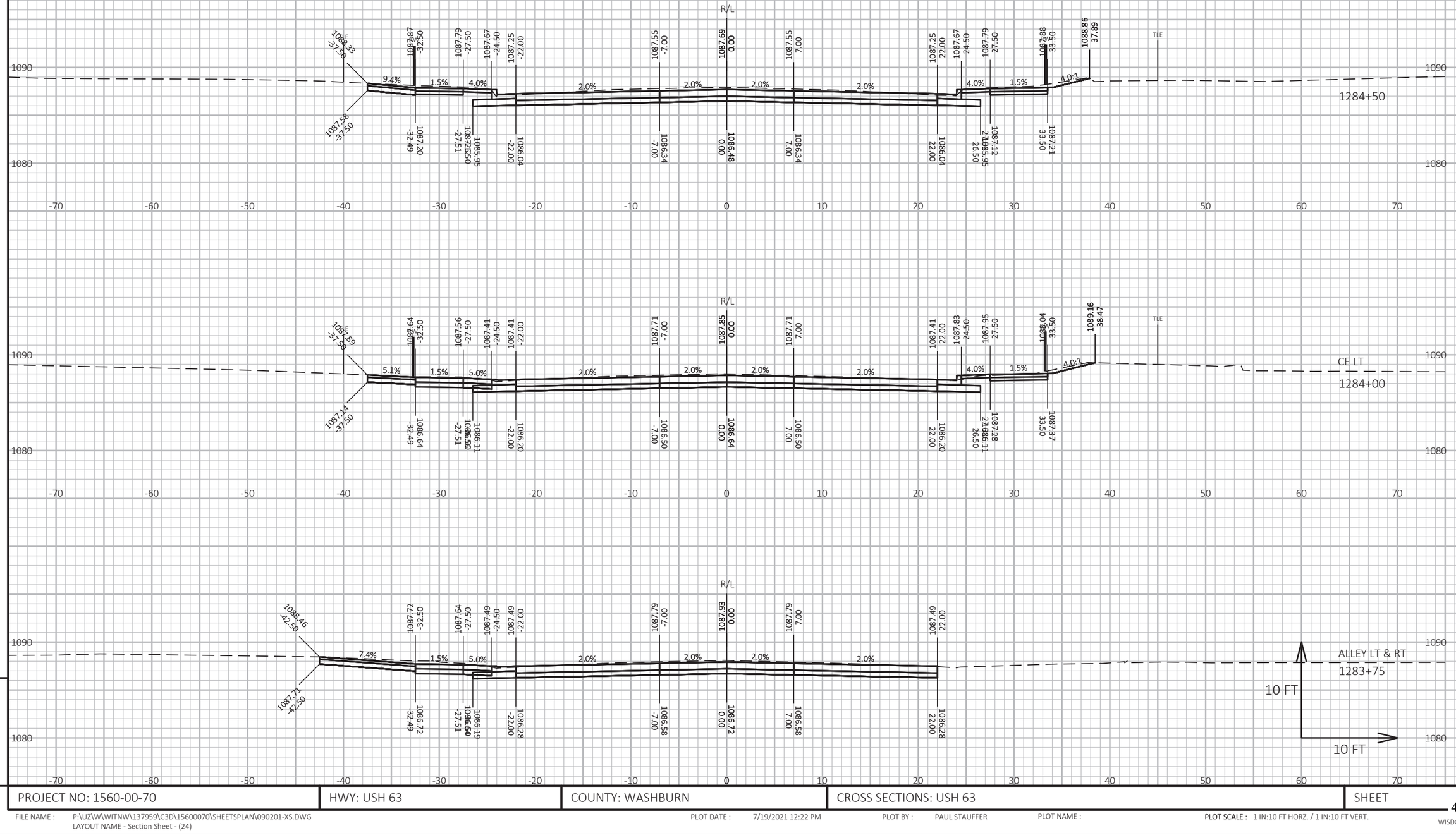
1100



9

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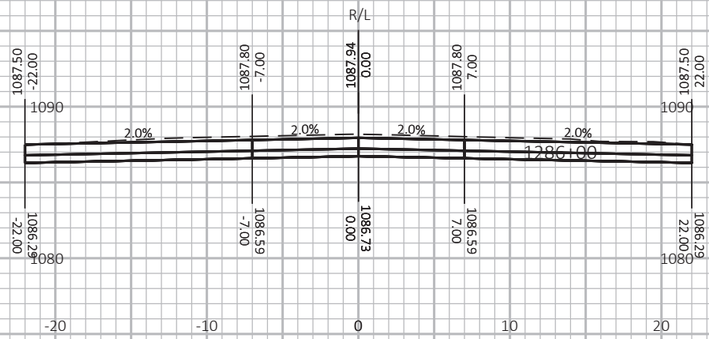
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: USH 63	SHEET 444	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - Section Sheet - (24)

PLOT DATE : 7/19/2021 12:22 PM PLOT BY : PAUL STAUFFER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

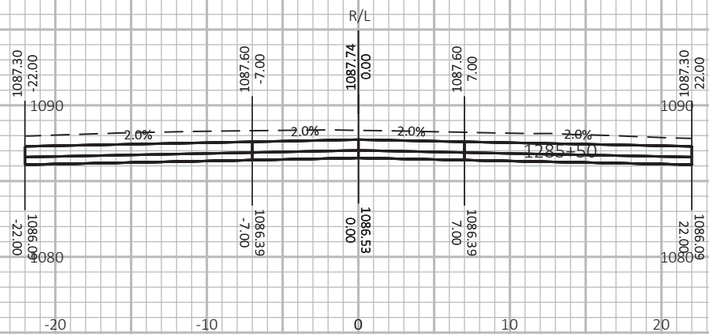


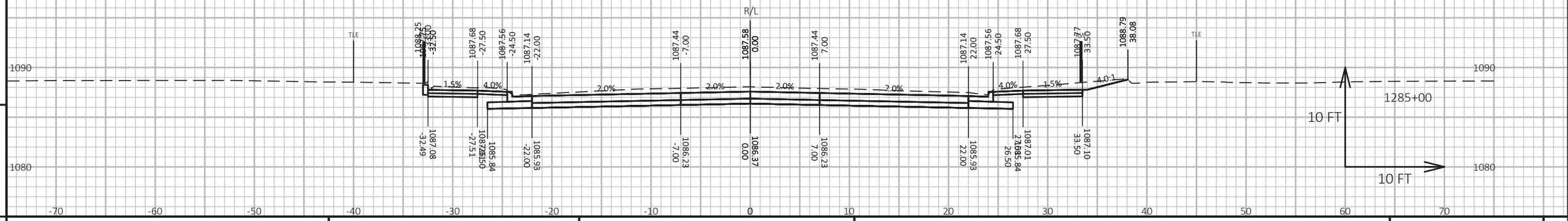
SEE PINE STREET/CTH K

CROSS SECTIONS

SEE PINE STREET/CTH K

CROSS SECTIONS





9

9

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: USH 63	SHEET 445	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - Section Sheet - (25)

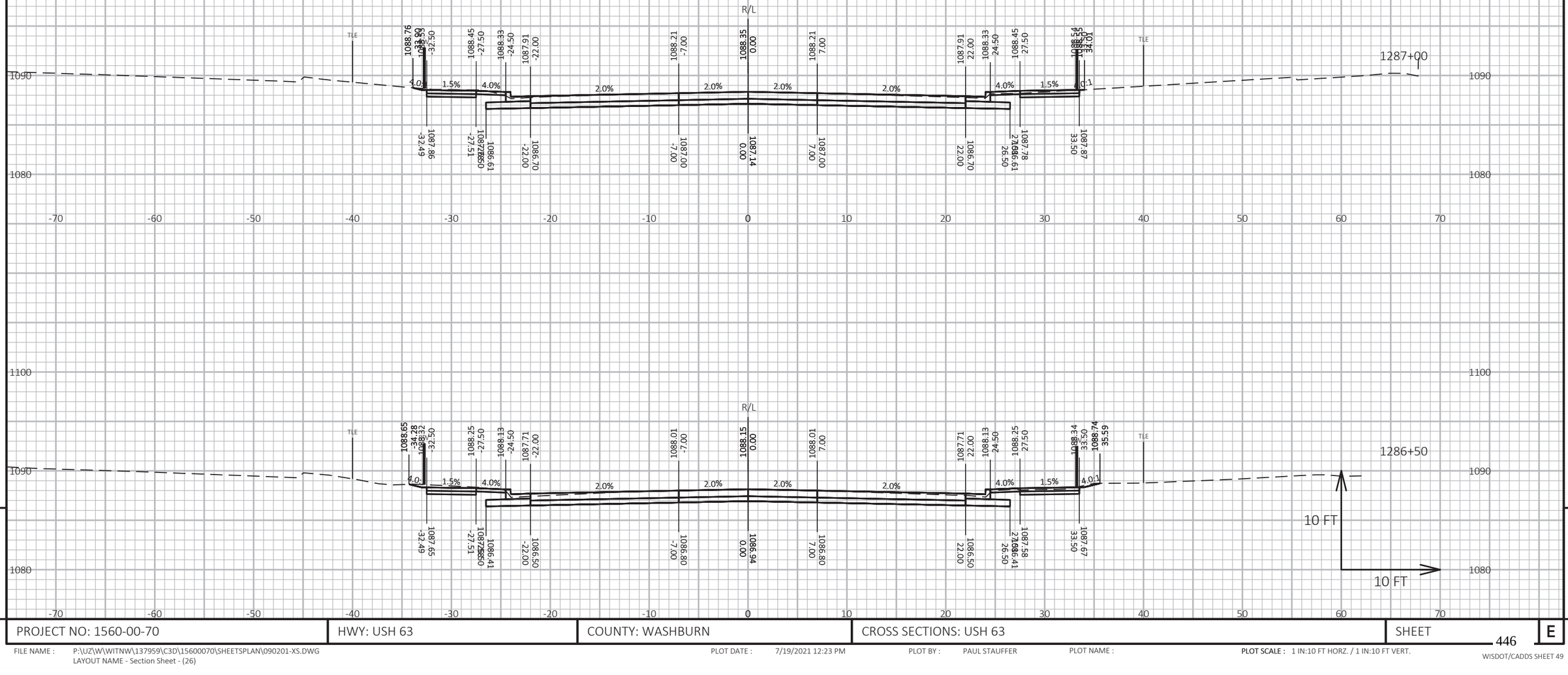
PLOT DATE : 7/19/2021 12:23 PM

PLOT BY : PAUL STAUFFER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

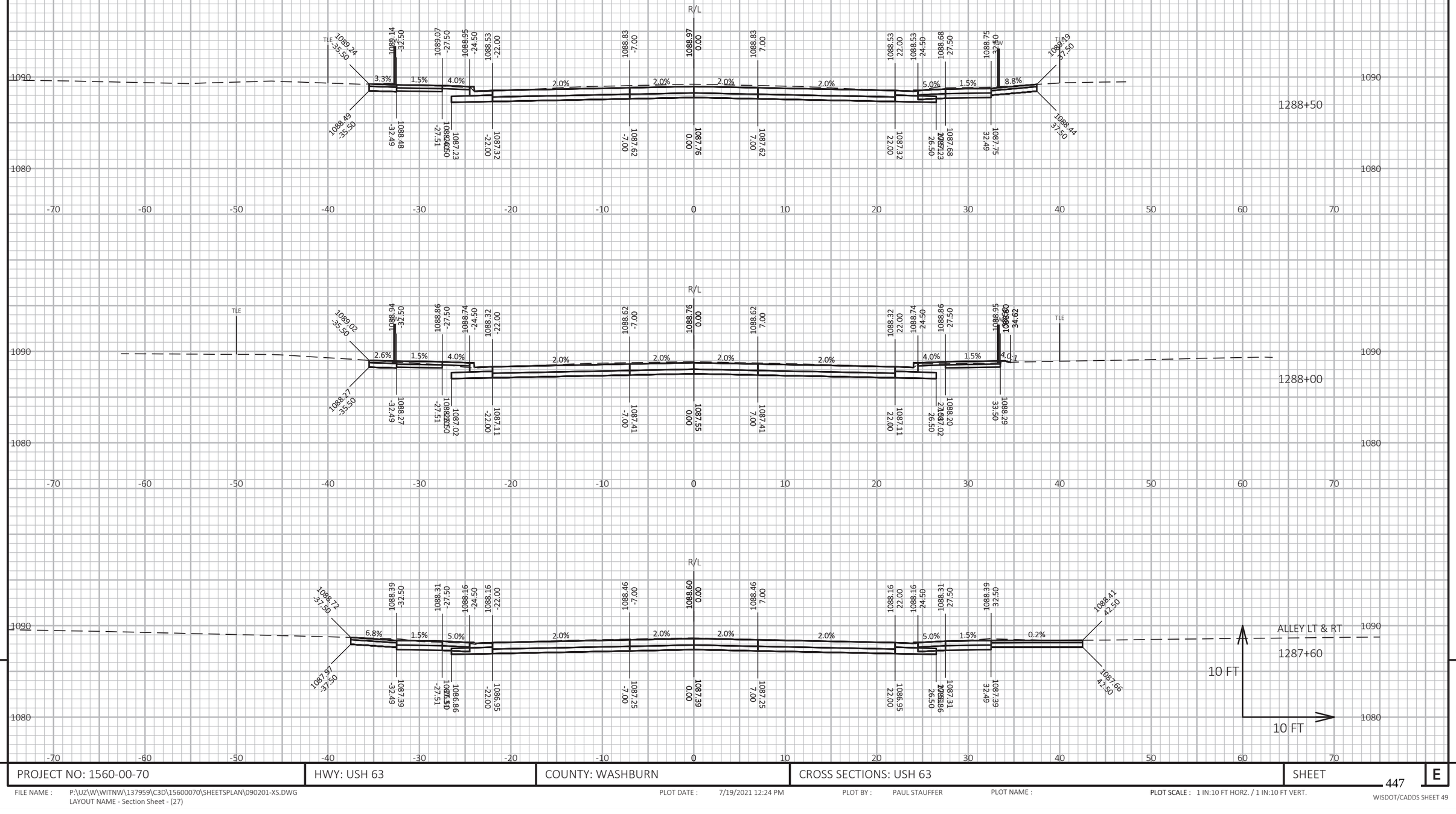


PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: USH 63	SHEET 446 E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - Section Sheet - (26)

PLOT DATE : 7/19/2021 12:23 PM PLOT BY : PAUL STAUFFER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: USH 63	SHEET	E

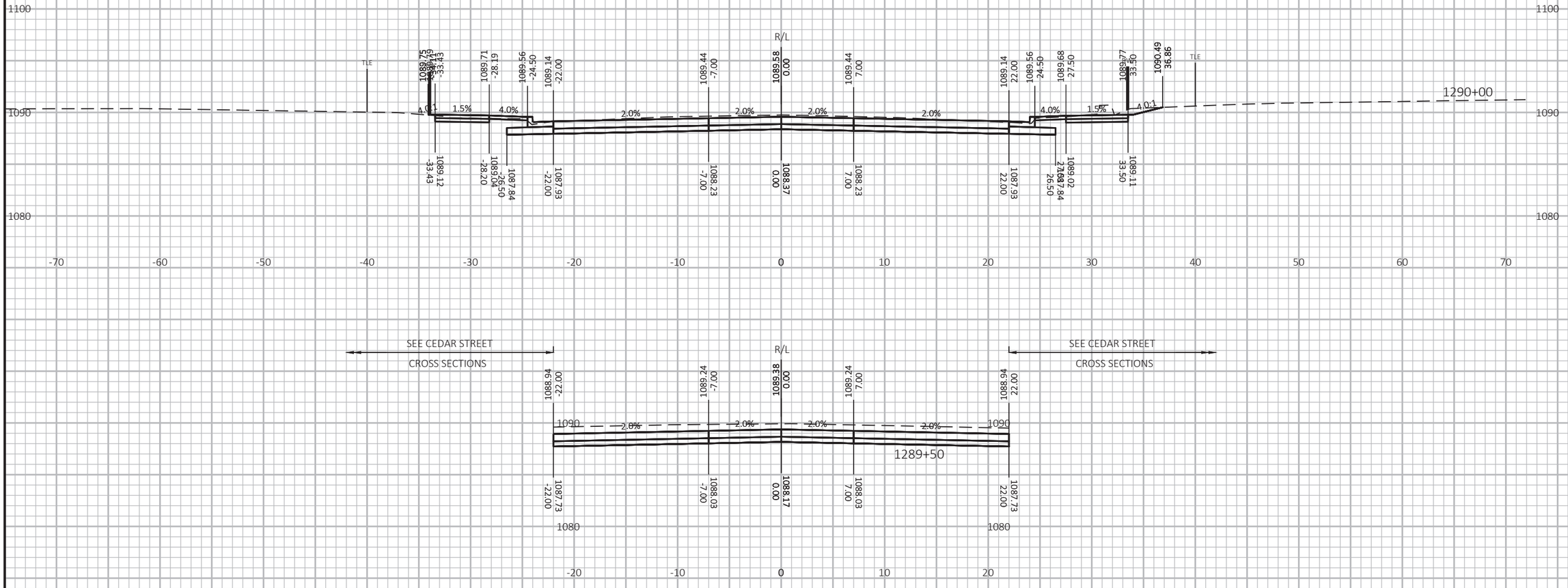
9

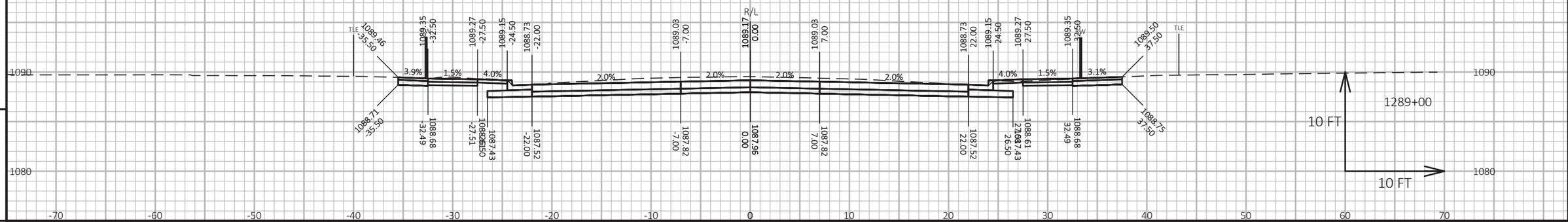
FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - Section Sheet - (27)

PLOT DATE : 7/19/2021 12:24 PM PLOT BY : PAUL STAUFFER PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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9

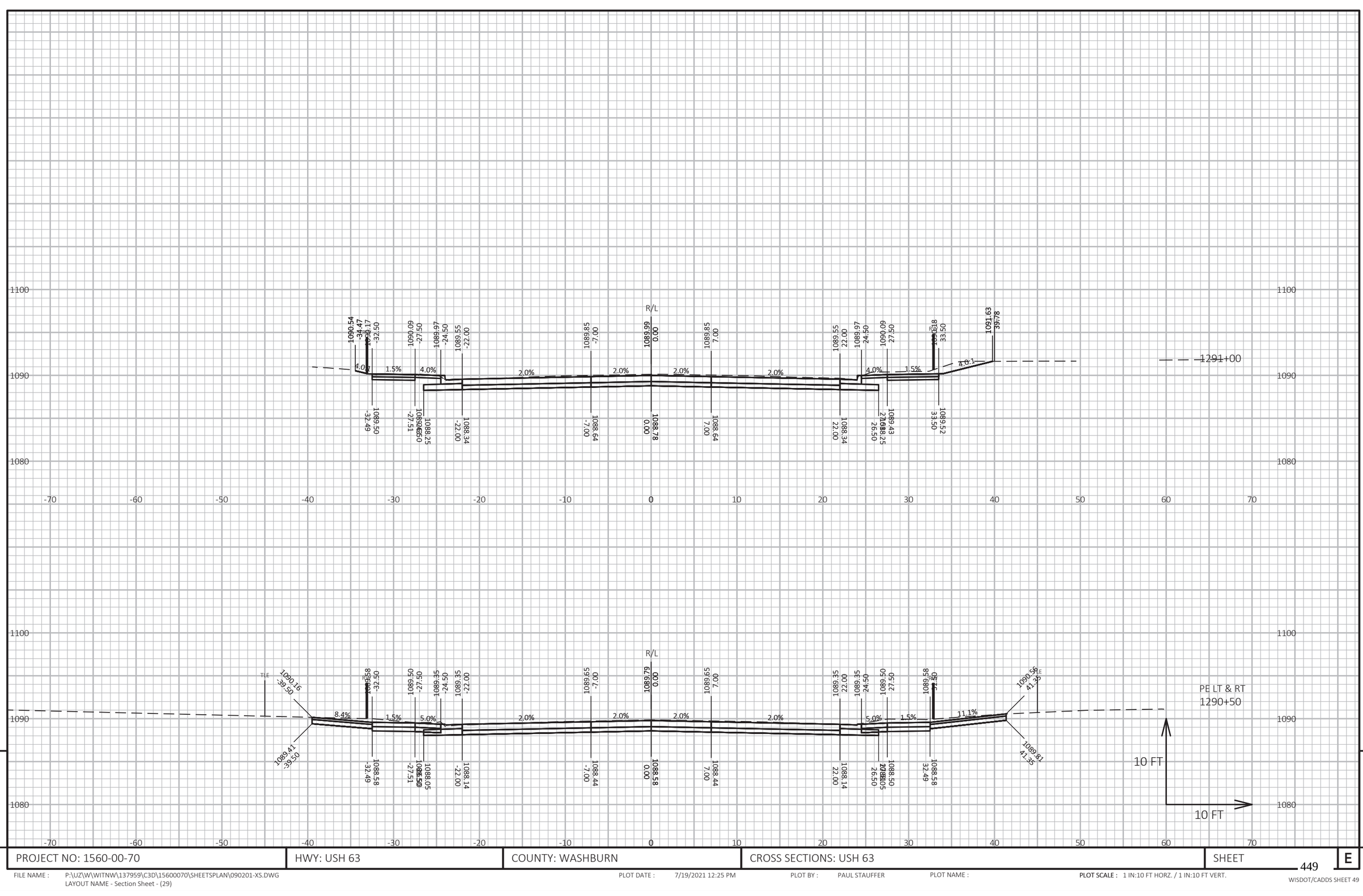
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: USH 63	SHEET	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - Section Sheet - (28)

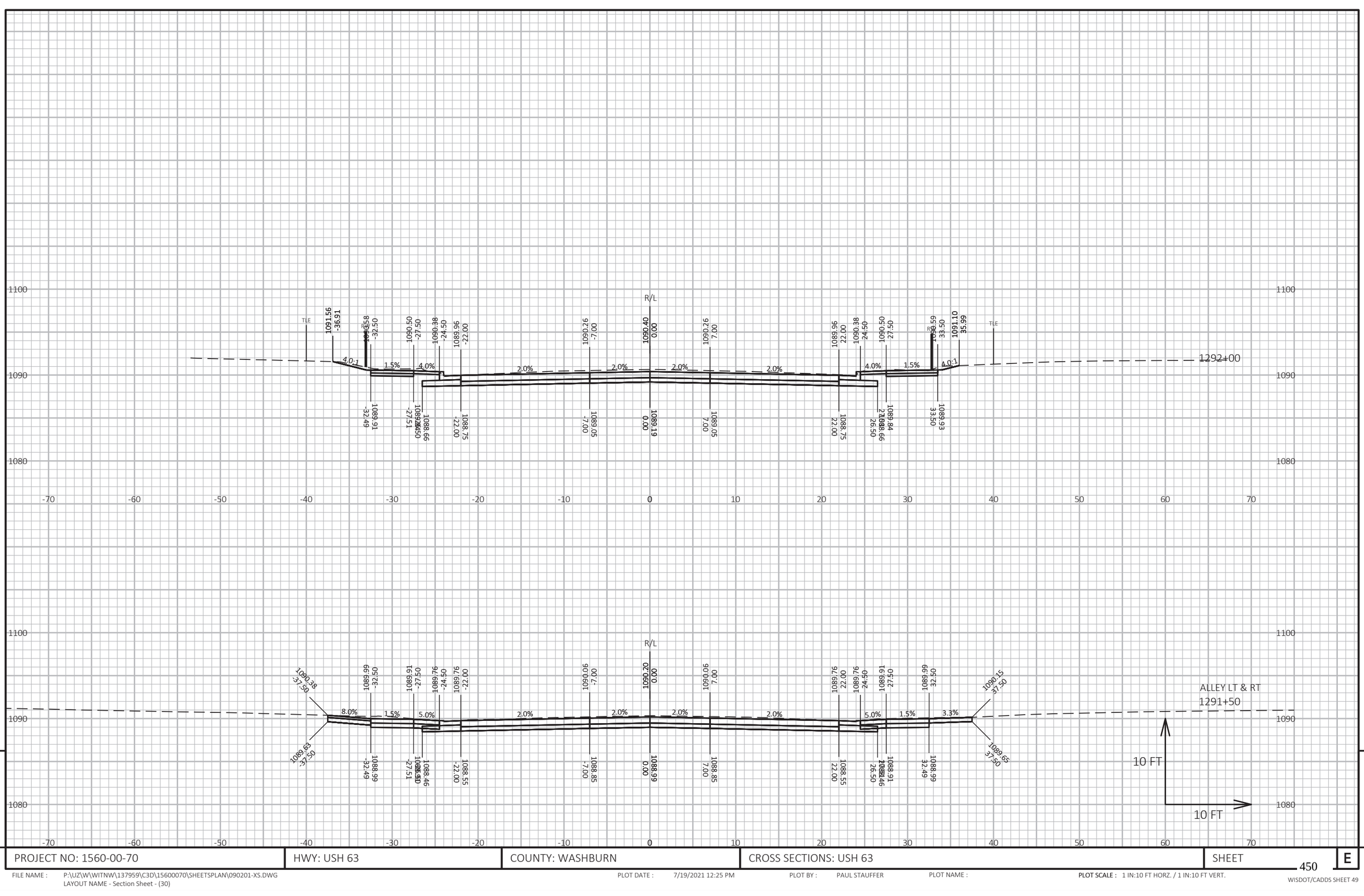
PLOT DATE : 7/19/2021 12:24 PM PLOT BY : PAUL STAUFFER PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: USH 63	SHEET 449	E



PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: USH 63	SHEET 450	E

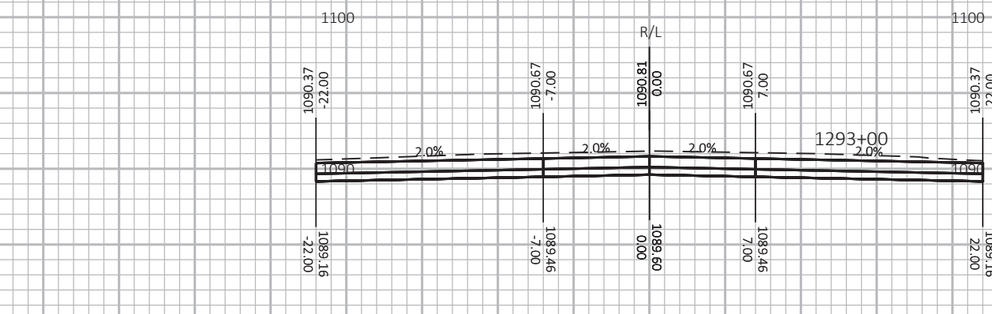
FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - Section Sheet - (30)

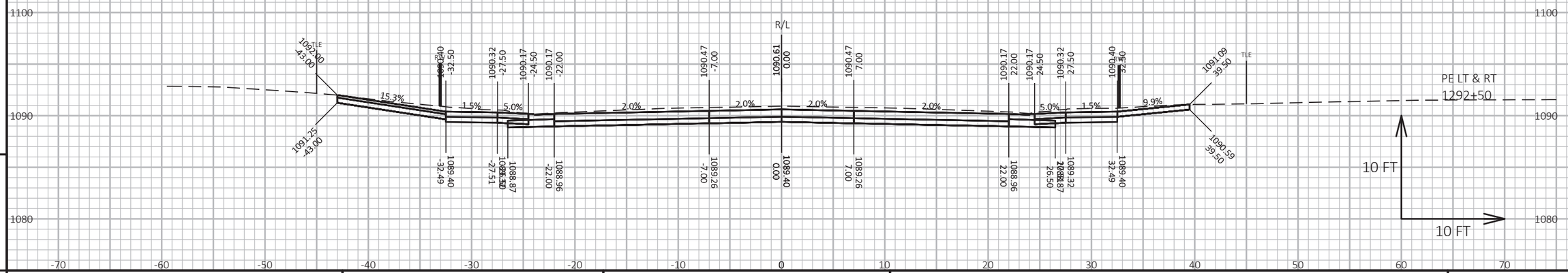
PLOT DATE : 7/19/2021 12:25 PM PLOT BY : PAUL STAUFFER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

SEE HAZEL STREET
CROSS SECTIONS

SEE HAZEL STREET
CROSS SECTIONS





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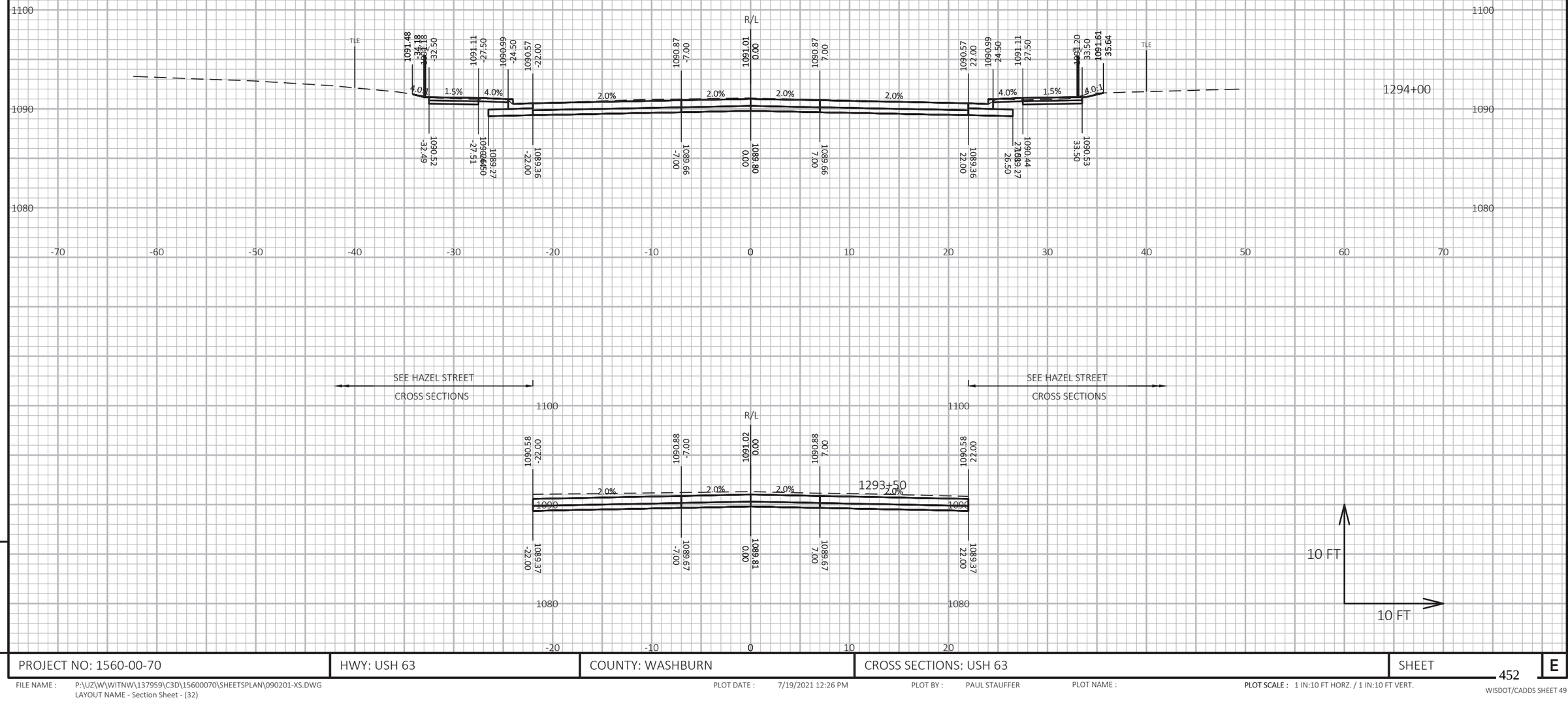
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: USH 63	SHEET 451	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - Section Sheet - (31)

PLOT DATE : 7/19/2021 12:26 PM PLOT BY : PAUL STAUFFER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

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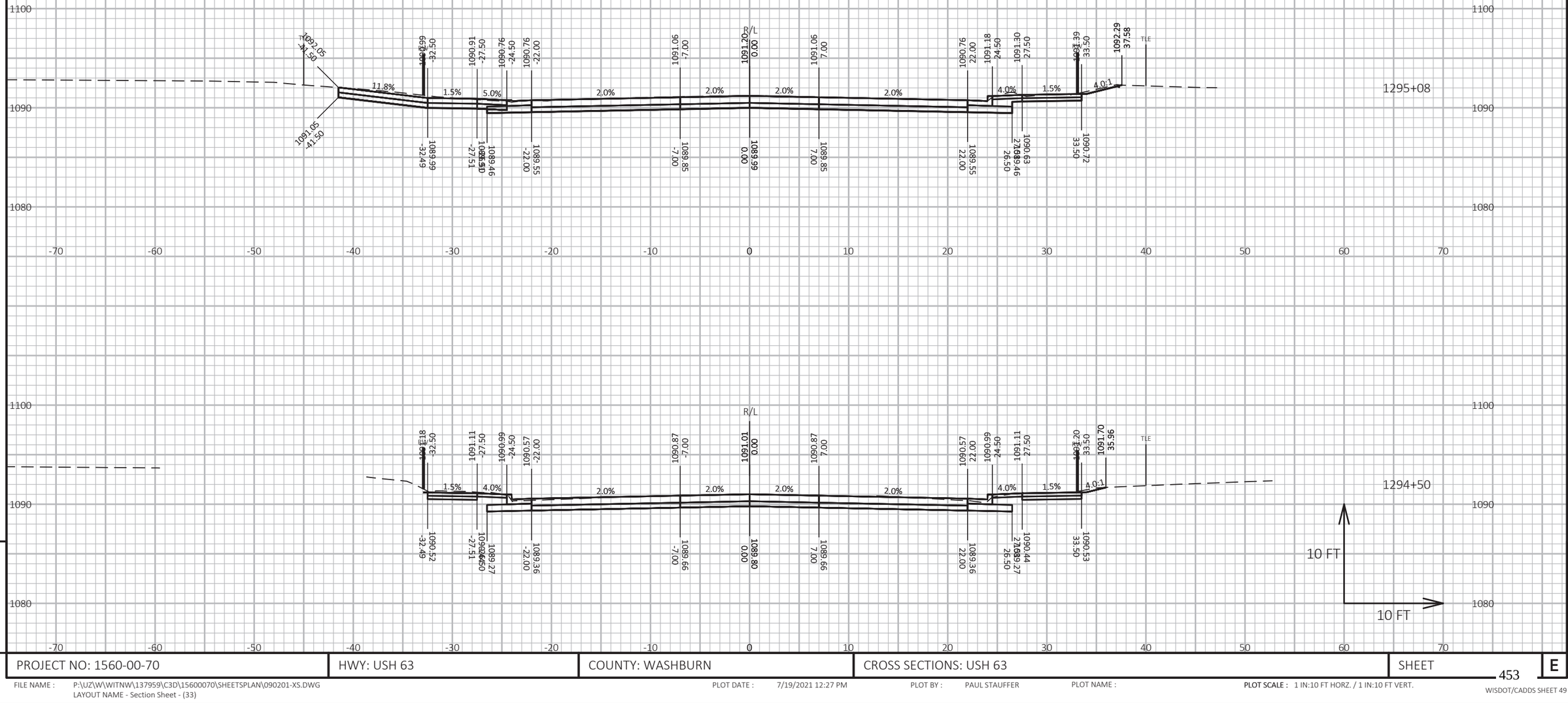
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: USH 63	SHEET 452	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - Section Sheet - (32)

PLOT DATE : 7/19/2021 12:26 PM PLOT BY : PAUL STAUFFER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

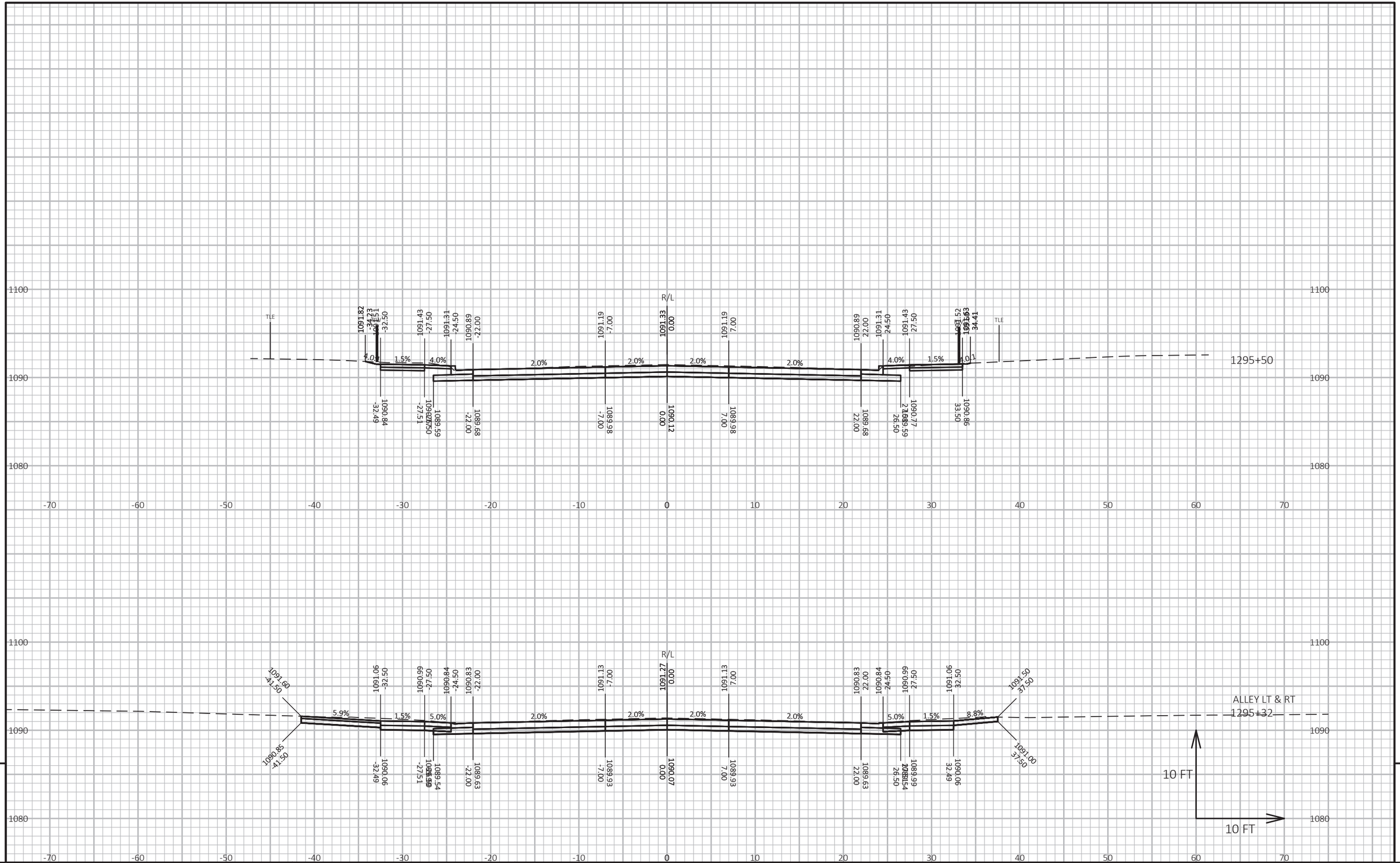


PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: USH 63	SHEET 453 E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - Section Sheet - (33)

PLOT DATE : 7/19/2021 12:27 PM PLOT BY : PAUL STAUFFER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: USH 63	SHEET 454	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - Section Sheet - (34)

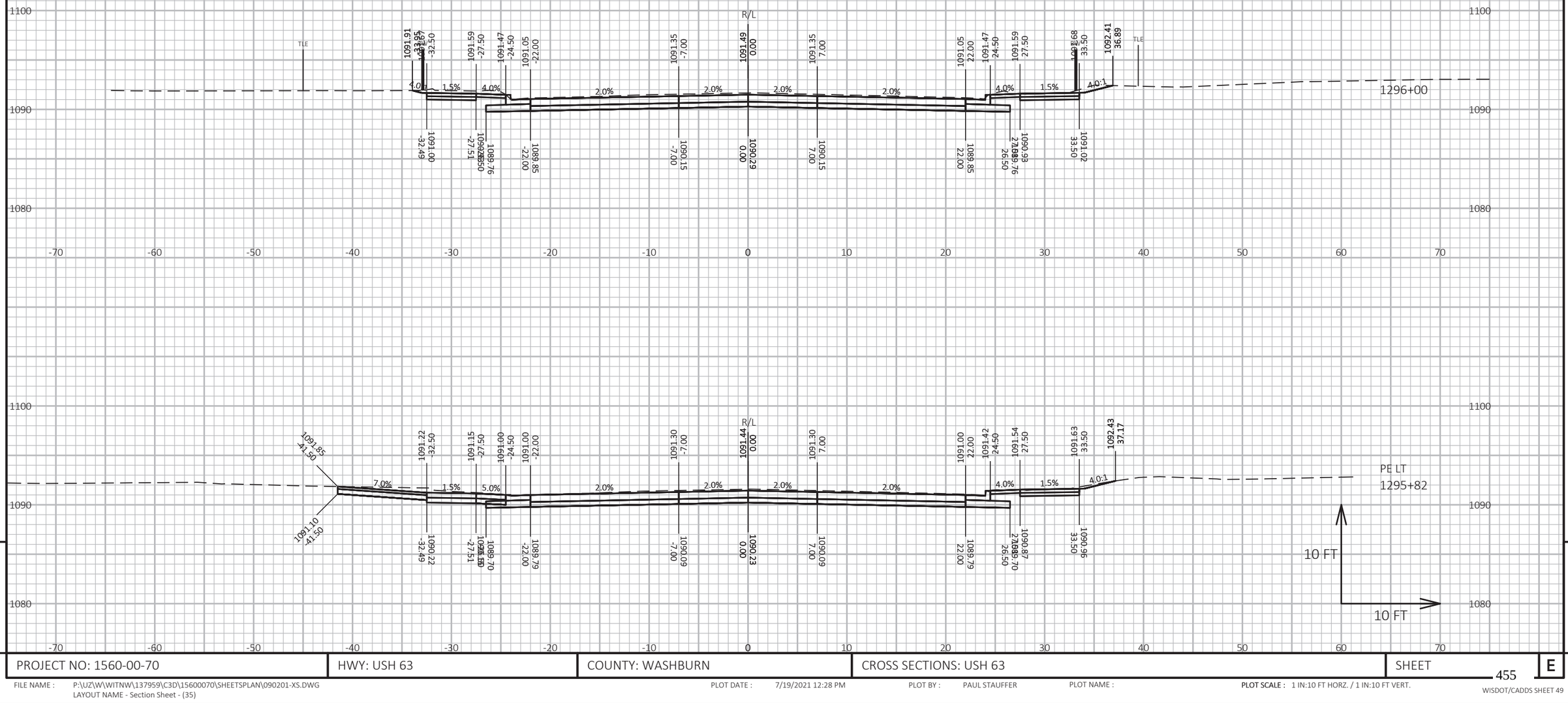
PLOT DATE : 7/19/2021 12:27 PM

PLOT BY : PAUL STAUFFER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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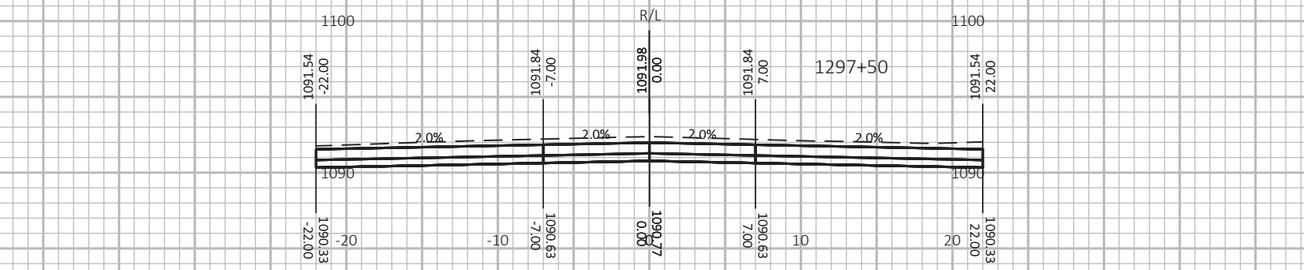
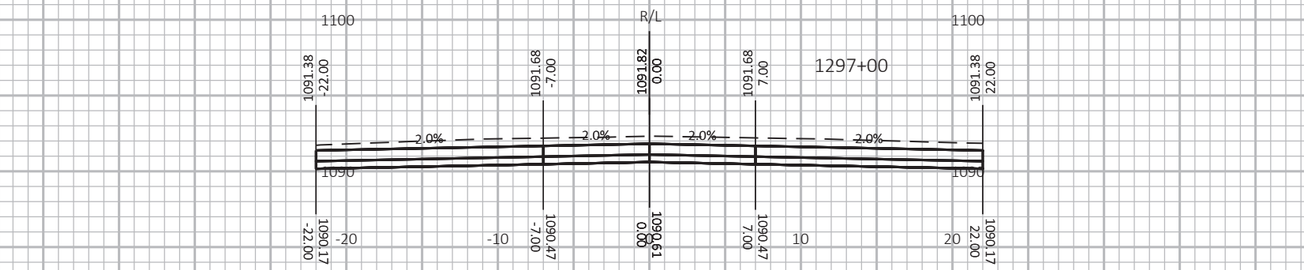
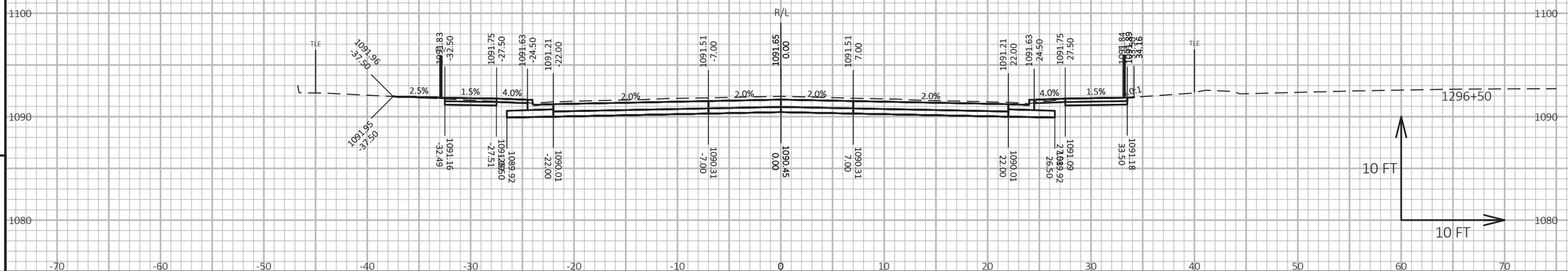
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: USH 63	SHEET 455	E



SEE SPRUCE STREET CROSS SECTIONS

SEE SPRUCE STREET CROSS SECTIONS





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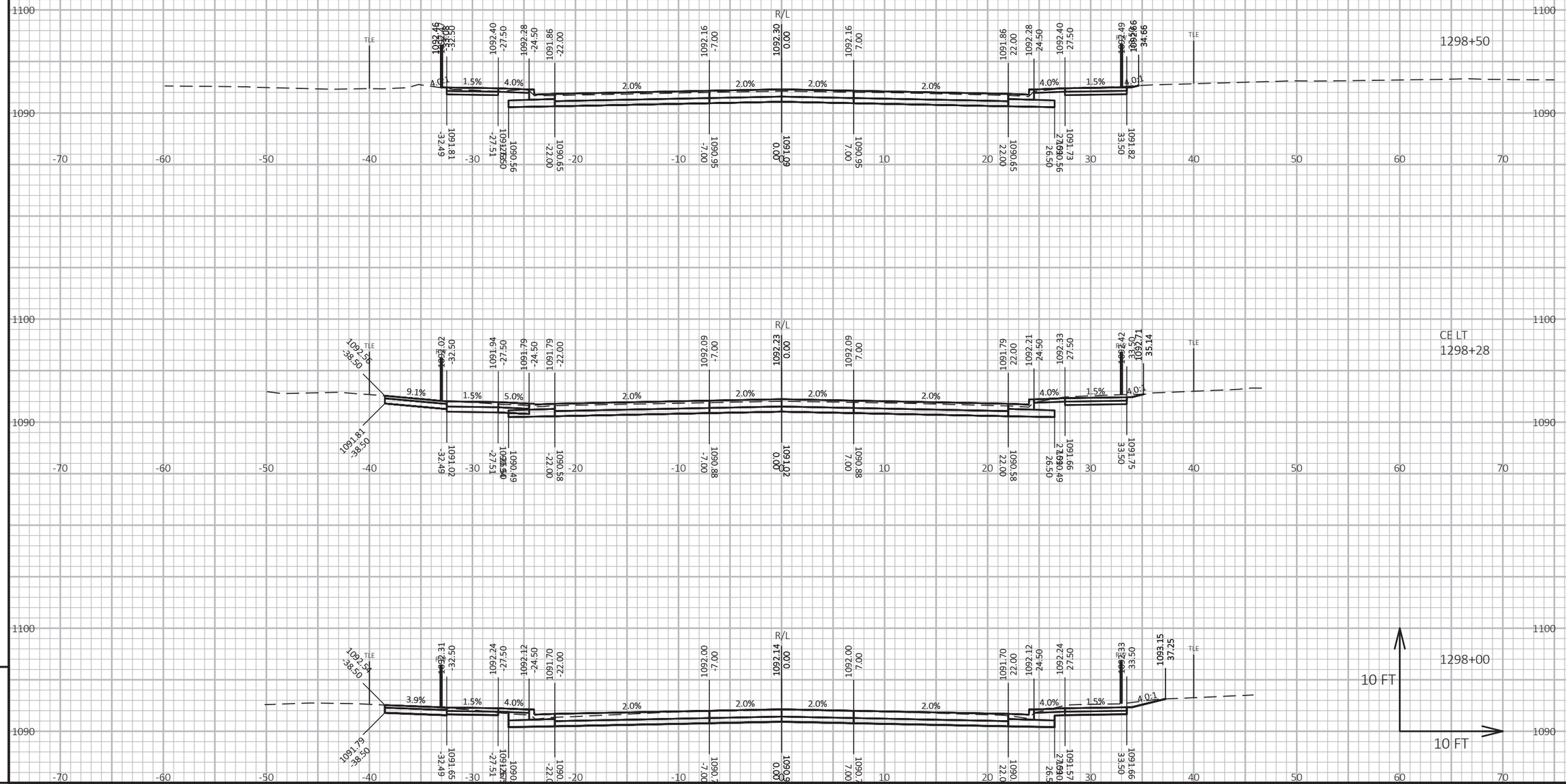
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: USH 63	SHEET 456	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - Section Sheet - (36)

PLOT DATE : 7/19/2021 12:28 PM PLOT BY : PAUL STAUFFER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



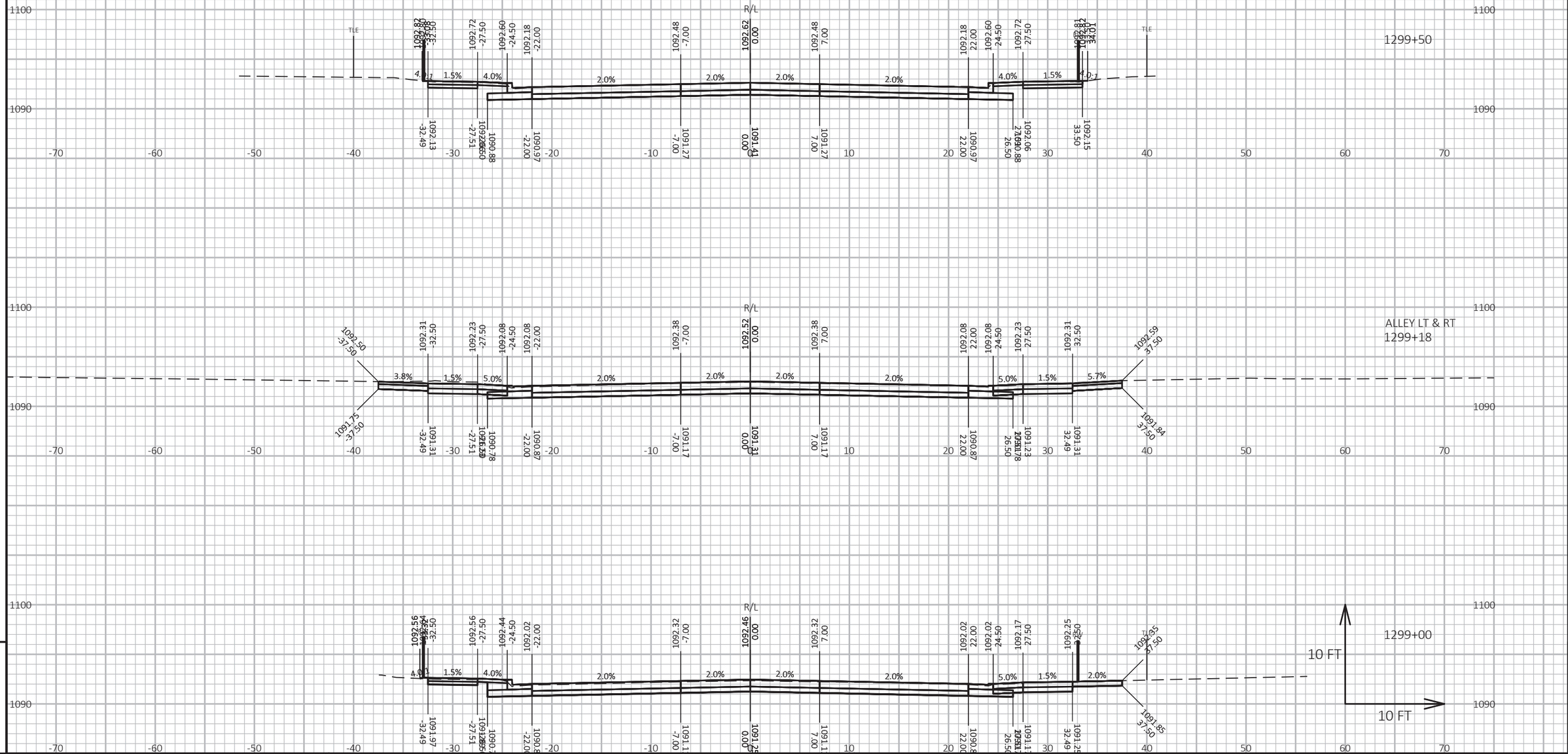
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: USH 63	SHEET 457

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - Section Sheet - (37)

PLOT DATE : 7/19/2021 12:28 PM PLOT BY : PAUL STAUFFER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

9 9 E



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PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: USH 63	SHEET 458	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - Section Sheet - (38)

PLOT DATE : 7/19/2021 12:29 PM

PLOT BY : PAUL STAUFFER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

9

9

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: USH 63	SHEET 459	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - Section Sheet - (39)

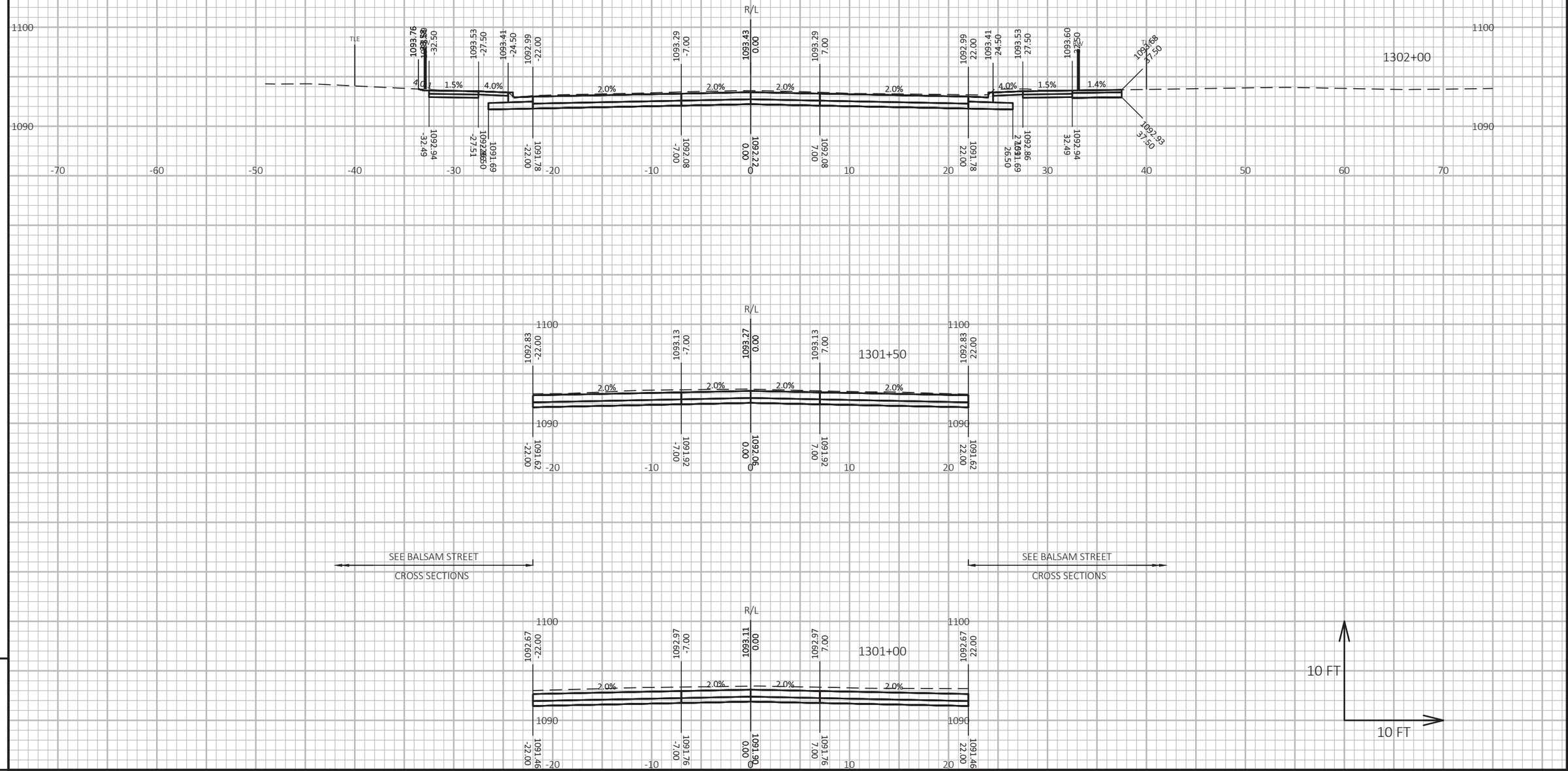
PLOT DATE : 7/19/2021 12:29 PM

PLOT BY : PAUL STAUFFER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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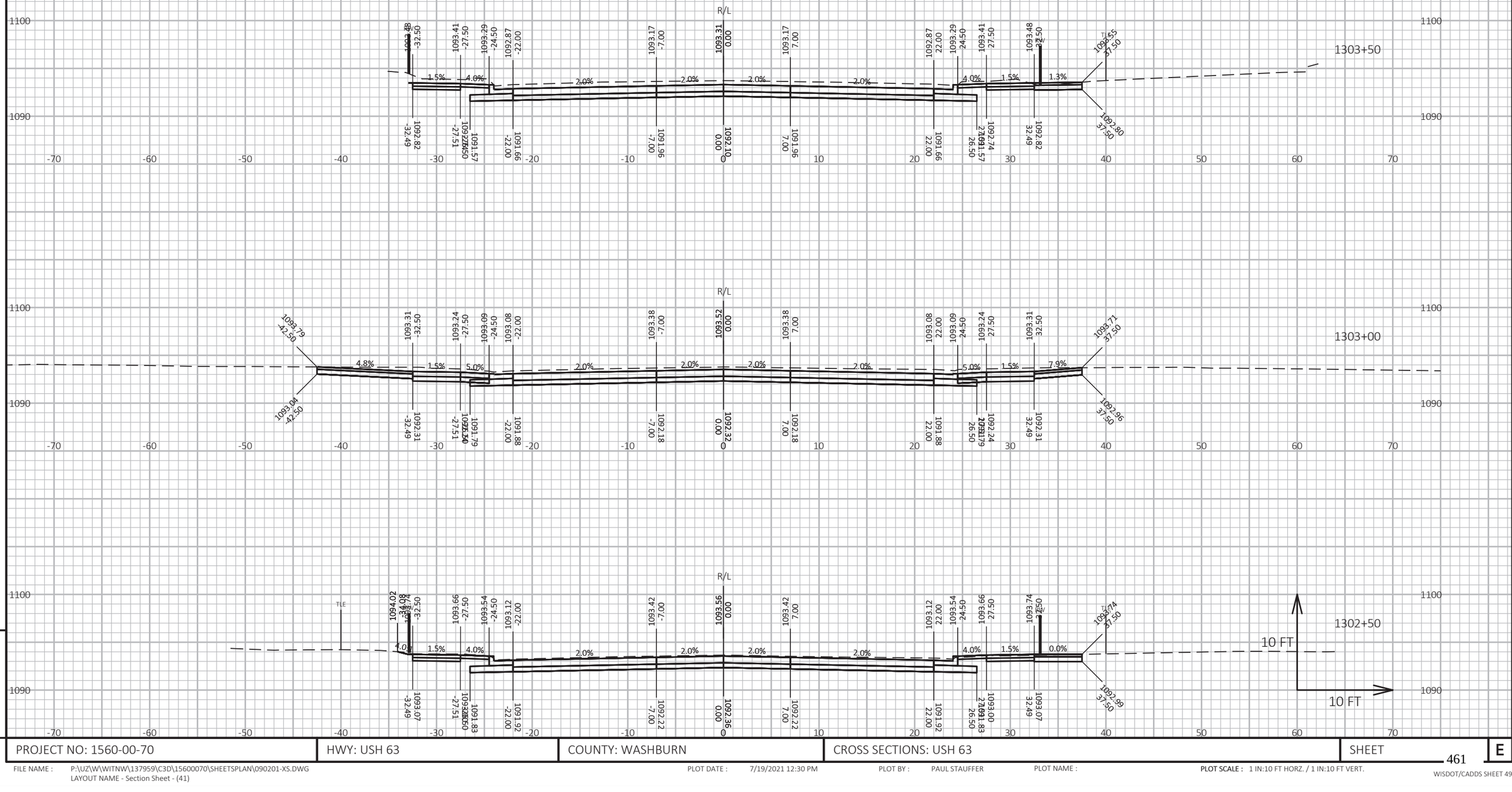
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: USH 63	SHEET 460	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - Section Sheet - (40)

PLOT DATE : 7/19/2021 12:30 PM PLOT BY : PAUL STAUFFER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: USH 63	SHEET 461 E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - Section Sheet - (41)

PLOT DATE : 7/19/2021 12:30 PM

PLOT BY : PAUL STAUFFER

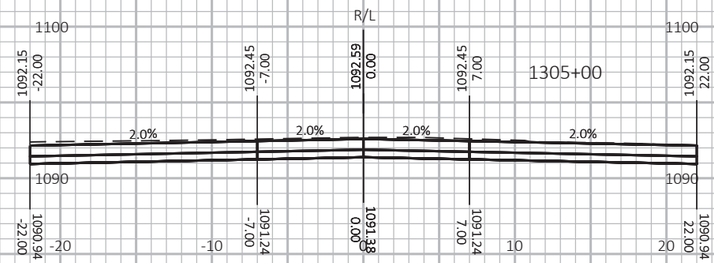
PLOT NAME :

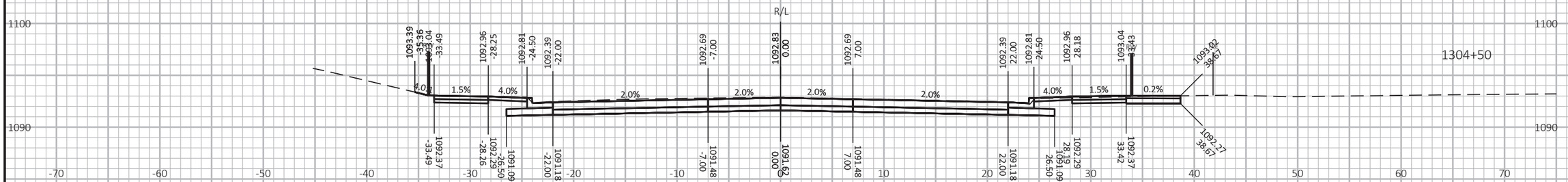
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

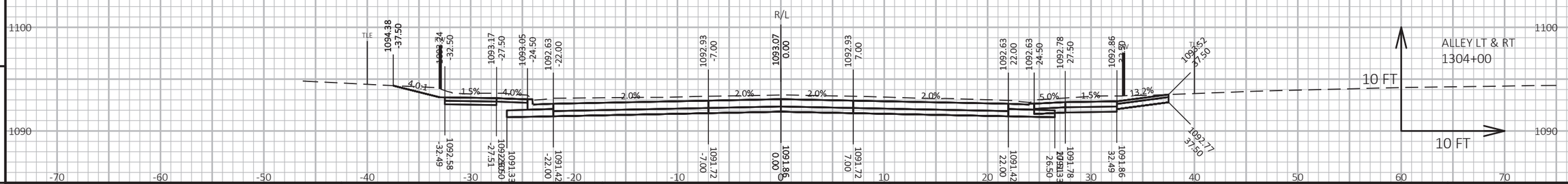
WISDOT/CADDS SHEET 49

SEE POPULAR STREET CROSS SECTIONS

SEE POPULAR STREET CROSS SECTIONS







9

9

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: USH 63	SHEET	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - Section Sheet - (42)

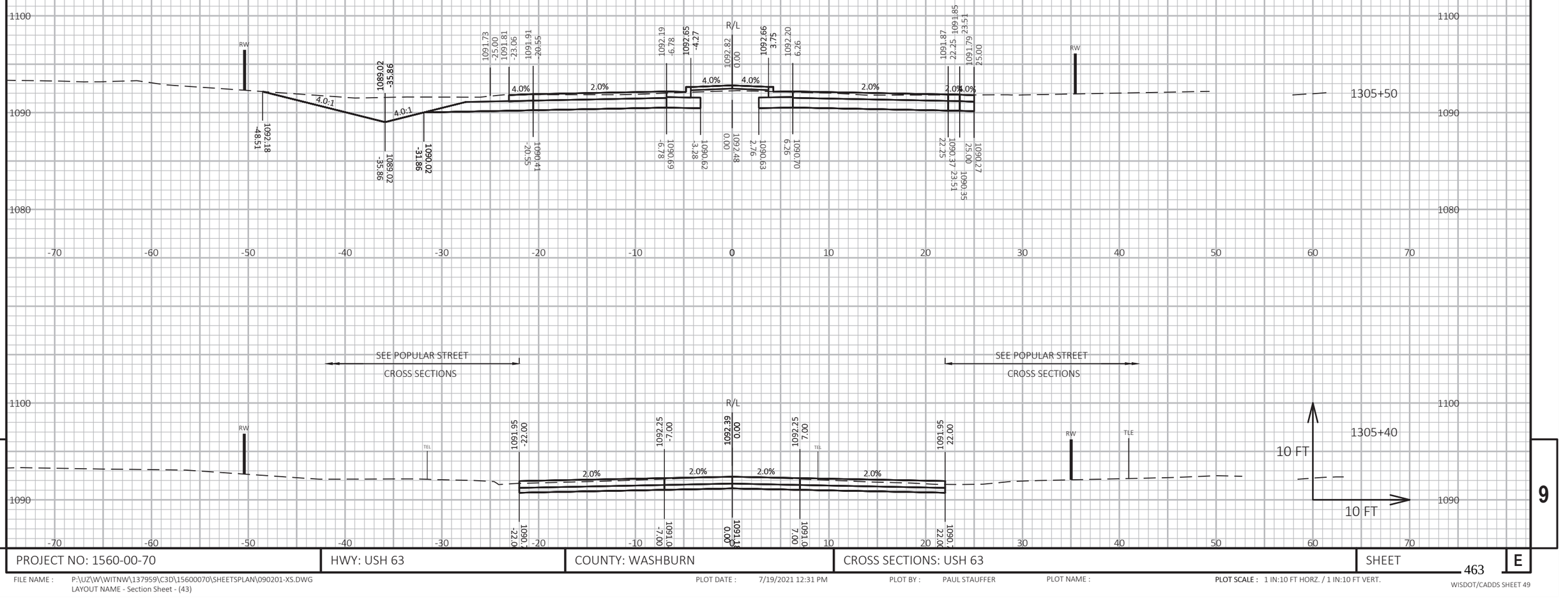
PLOT DATE : 7/19/2021 12:31 PM

PLOT BY : PAUL STAUFFER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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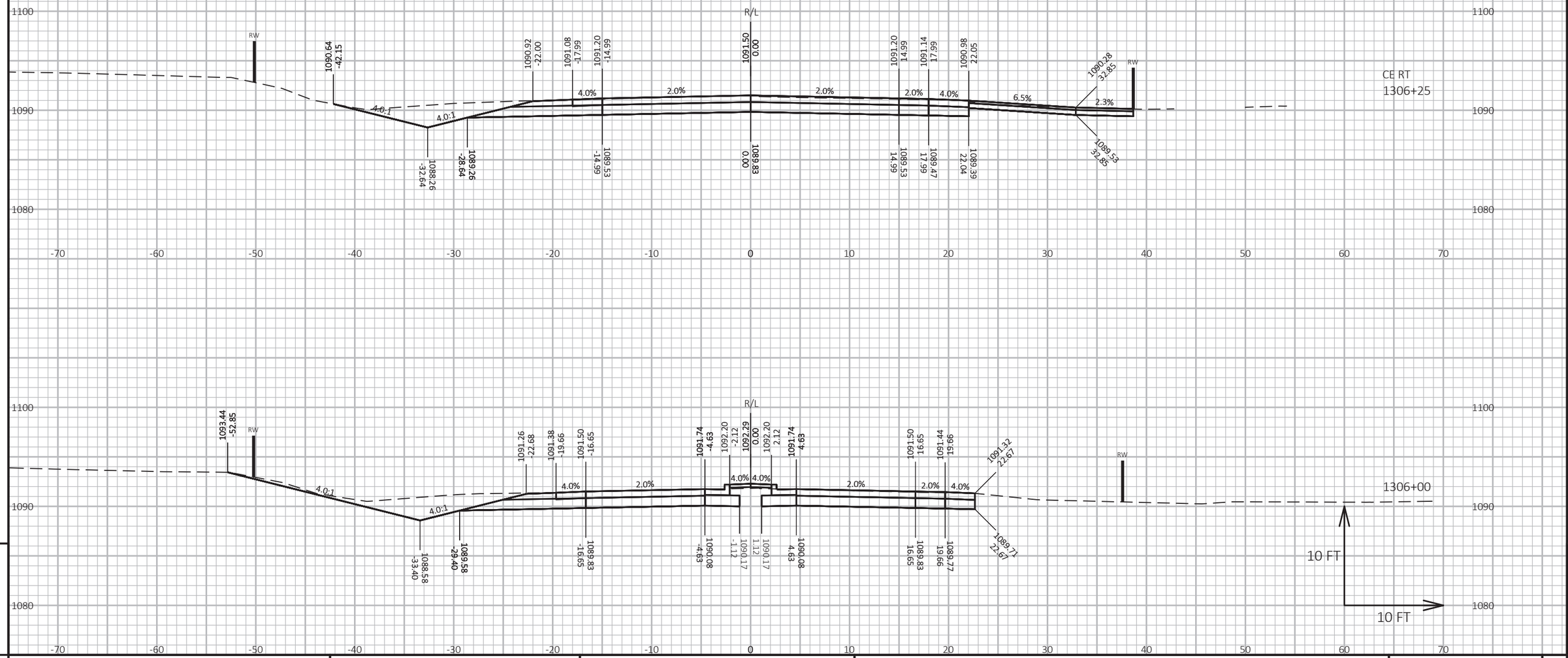
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: USH 63	SHEET	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - Section Sheet - (43)

PLOT DATE : 7/19/2021 12:31 PM PLOT BY : PAUL STAUFFER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

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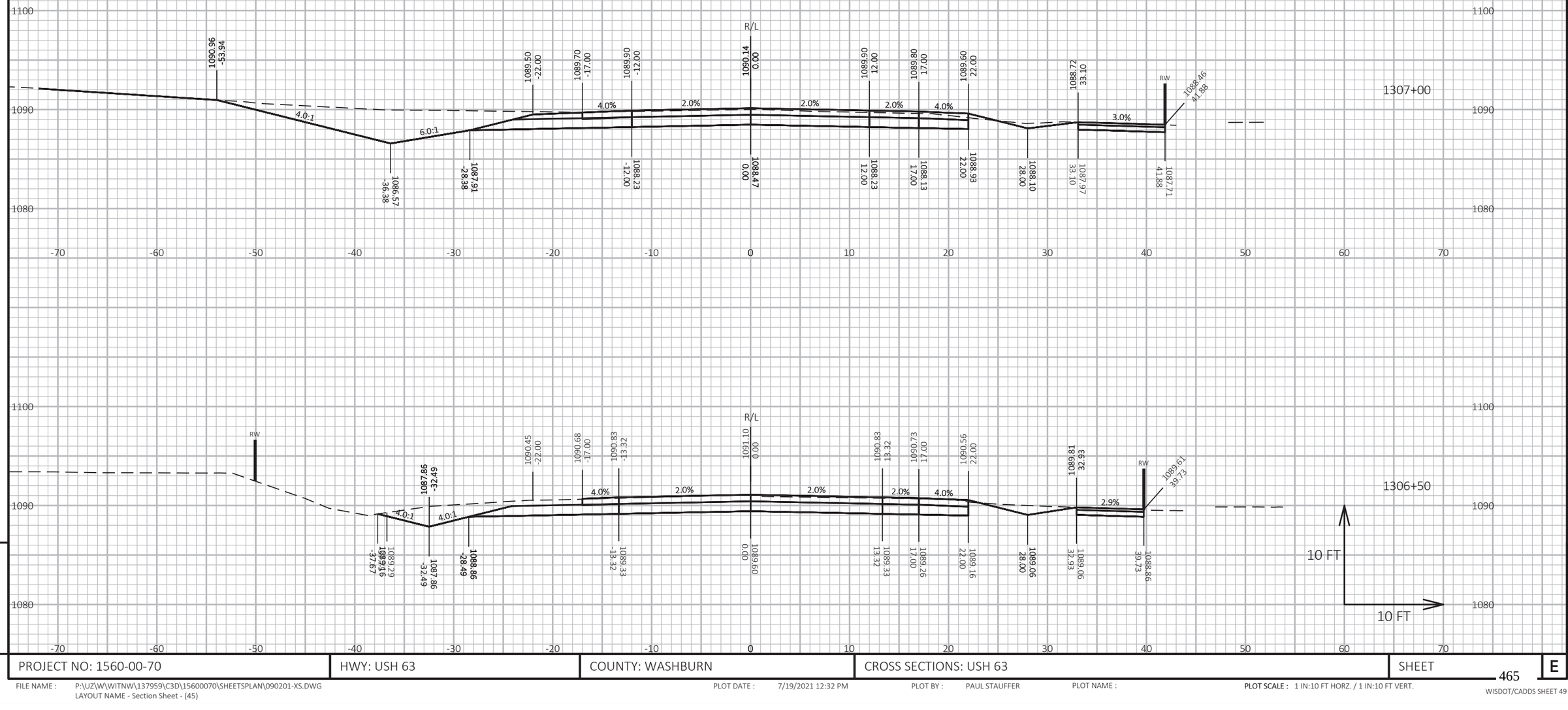
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: USH 63	SHEET 464	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - Section Sheet - (44)

PLOT DATE : 7/19/2021 12:32 PM PLOT BY : PAUL STAUFFER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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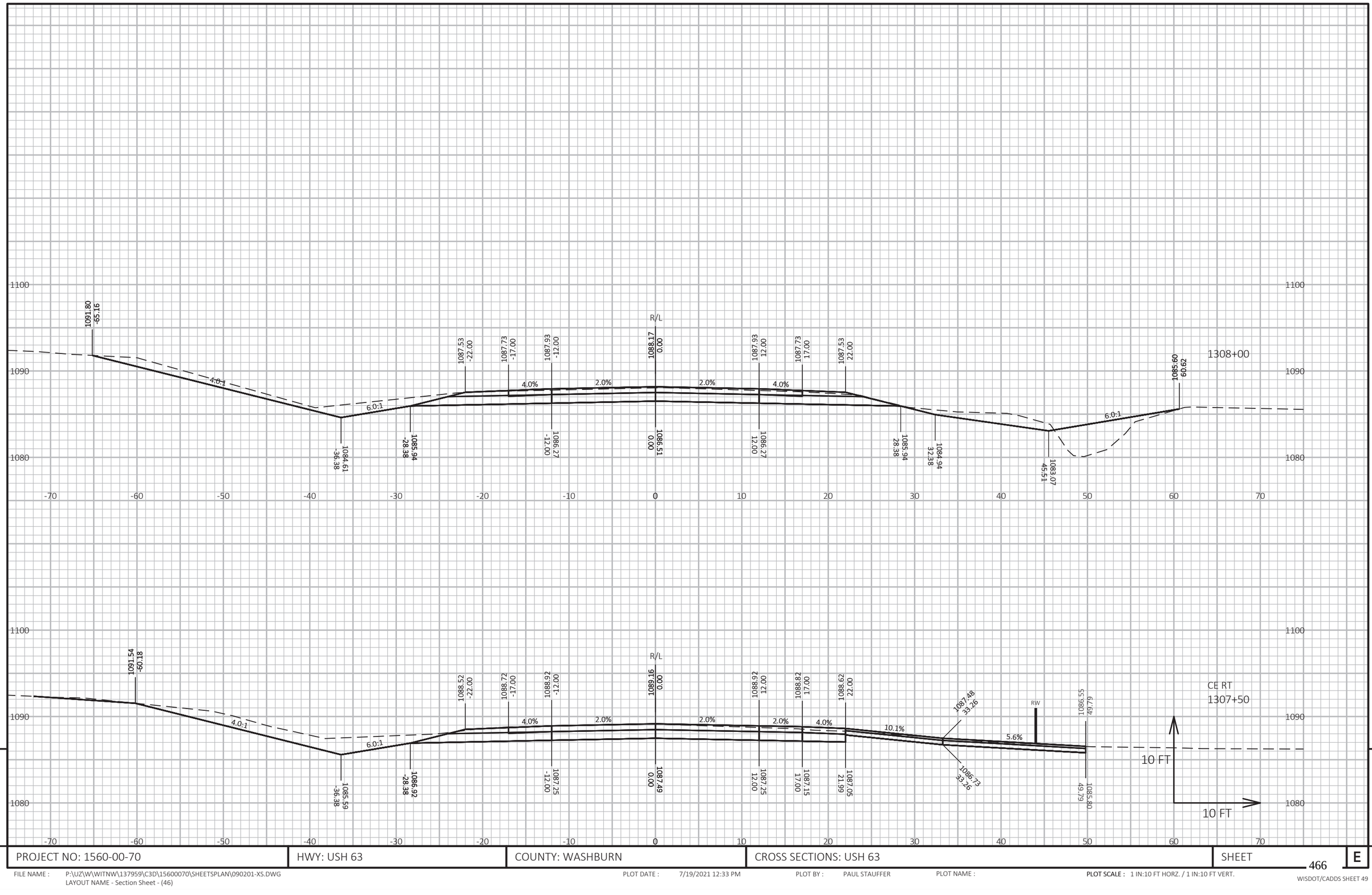
9

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: USH 63	SHEET	E



9

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: USH 63	SHEET	E

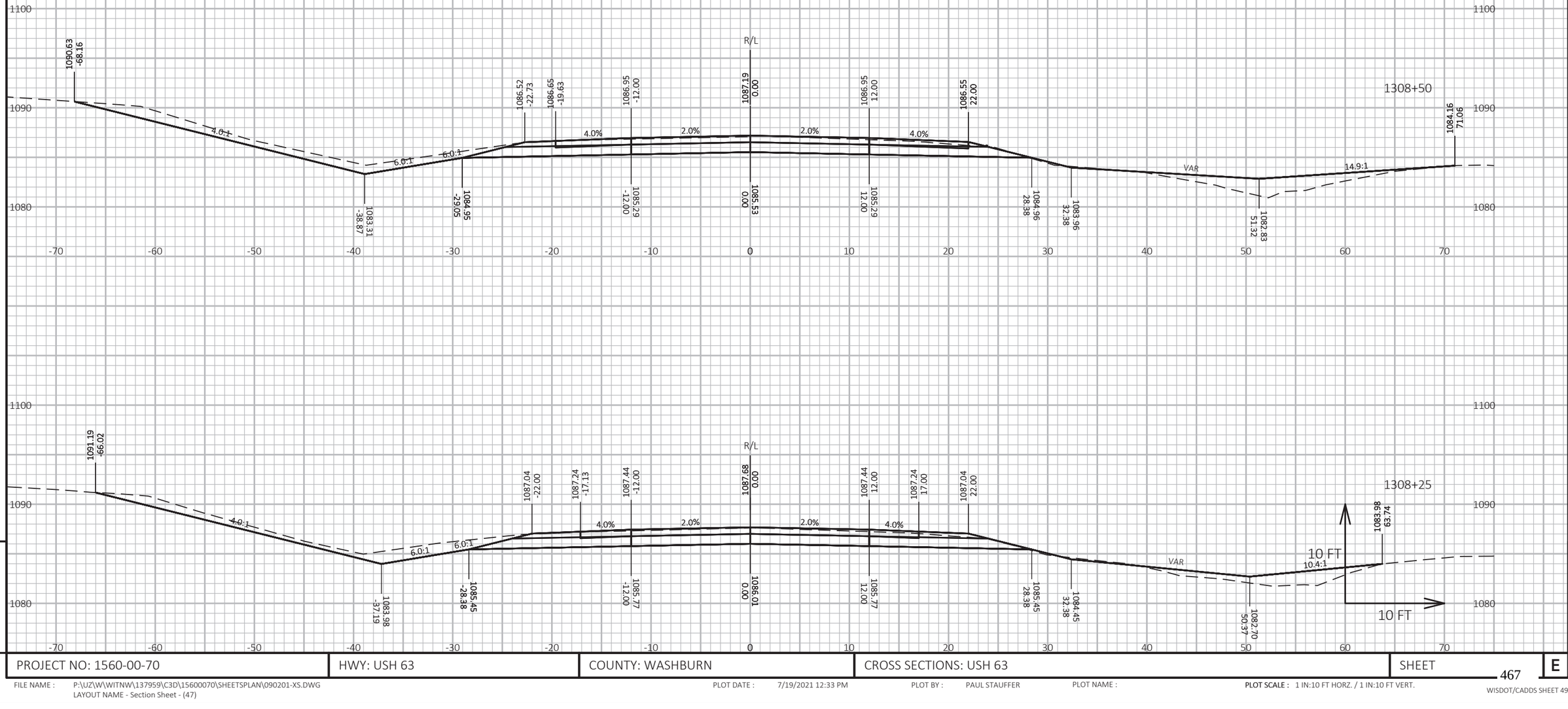
466

9

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - Section Sheet - (46)

PLOT DATE : 7/19/2021 12:33 PM PLOT BY : PAUL STAUFFER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

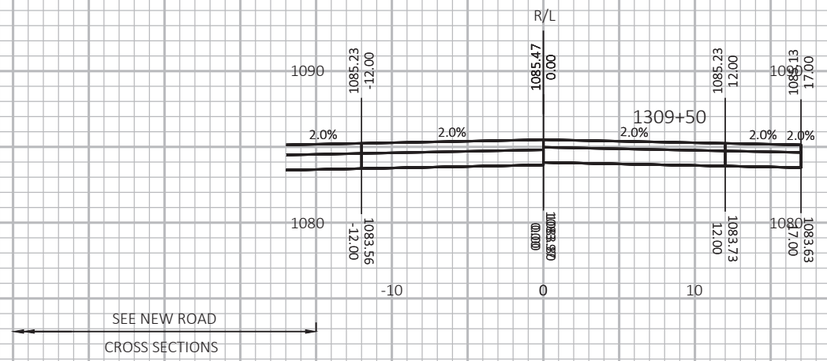
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: USH 63	SHEET	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - Section Sheet - (47)

PLOT DATE : 7/19/2021 12:33 PM PLOT BY : PAUL STAUFFER PLOT NAME :

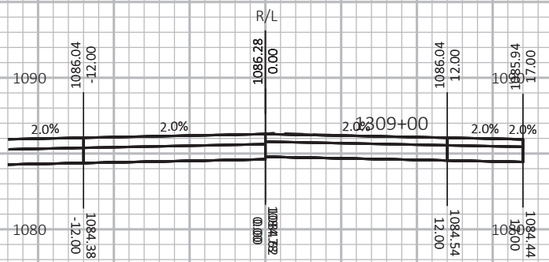
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

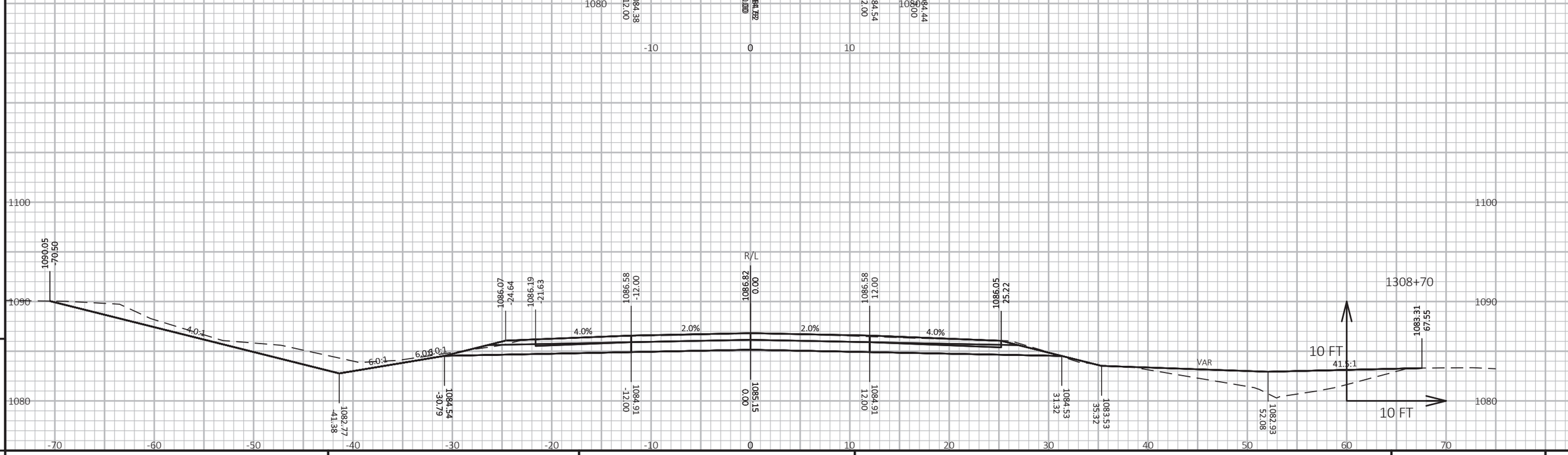
WISDOT/CADDS SHEET 49



SEE NEW ROAD
CROSS SECTIONS

FIRE HALL
ENTRANCE RT





9

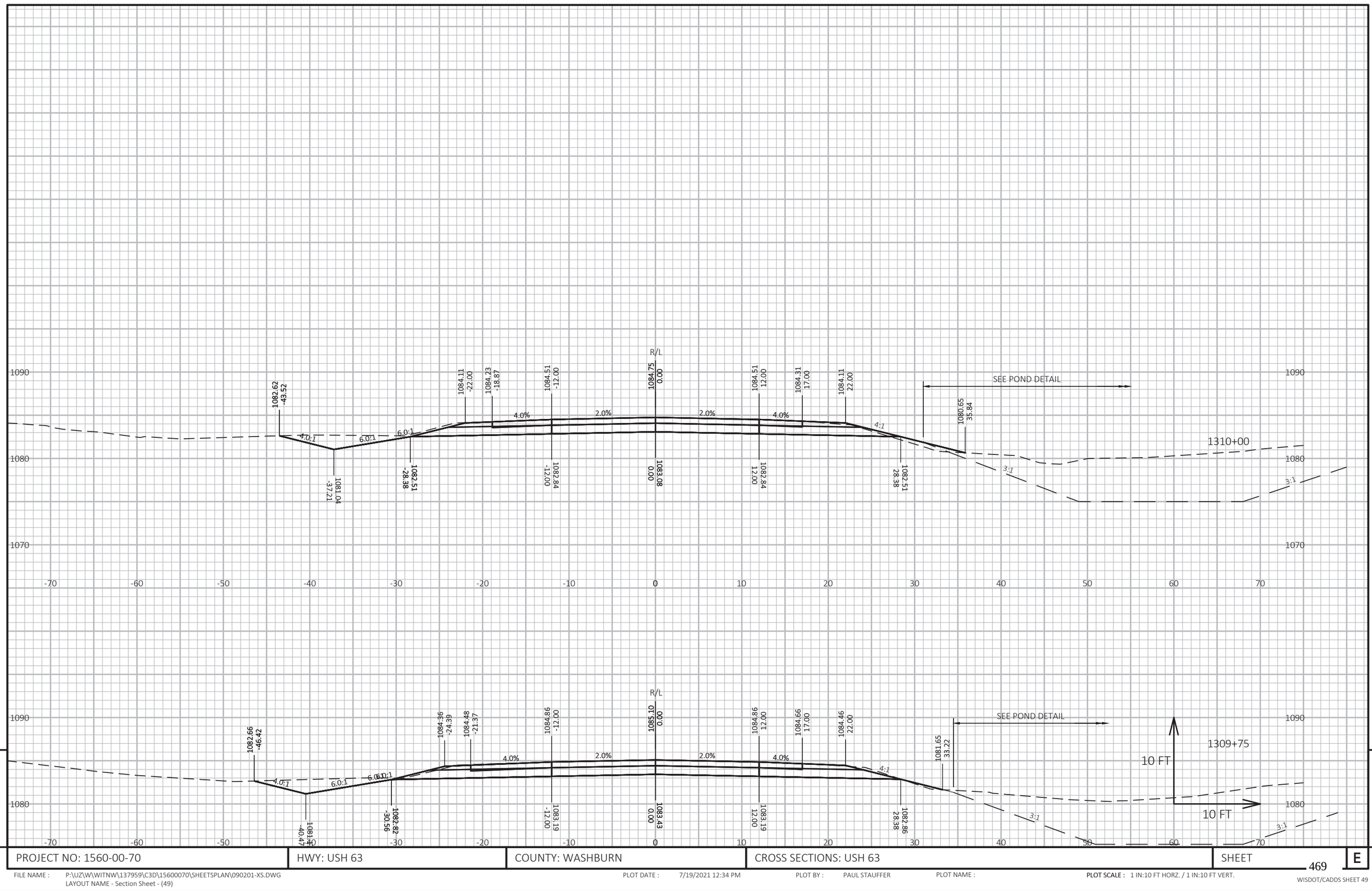
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: USH 63	SHEET	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - Section Sheet - (48)

PLOT DATE : 7/19/2021 12:34 PM PLOT BY : PAUL STAUFFER PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

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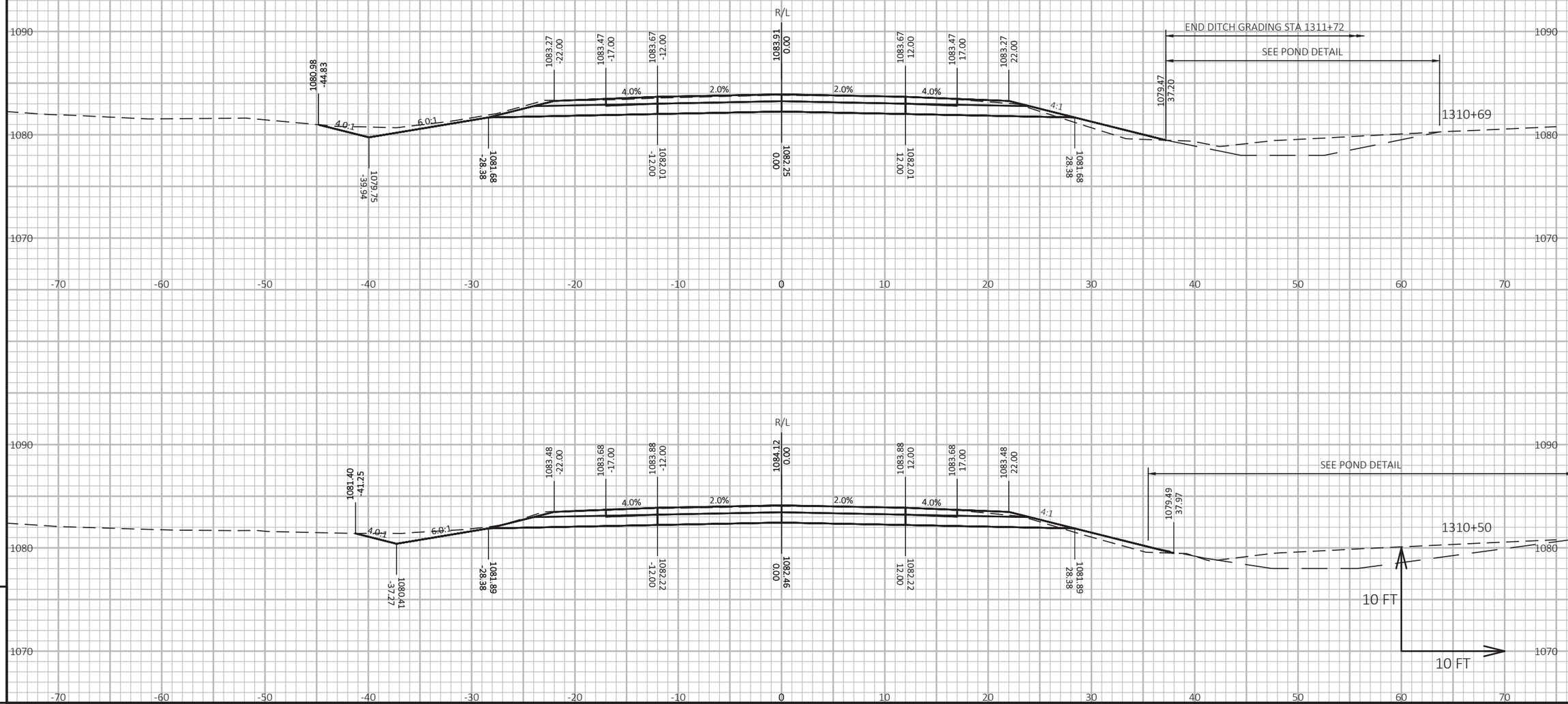
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: USH 63	SHEET 469	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - Section Sheet - (49)

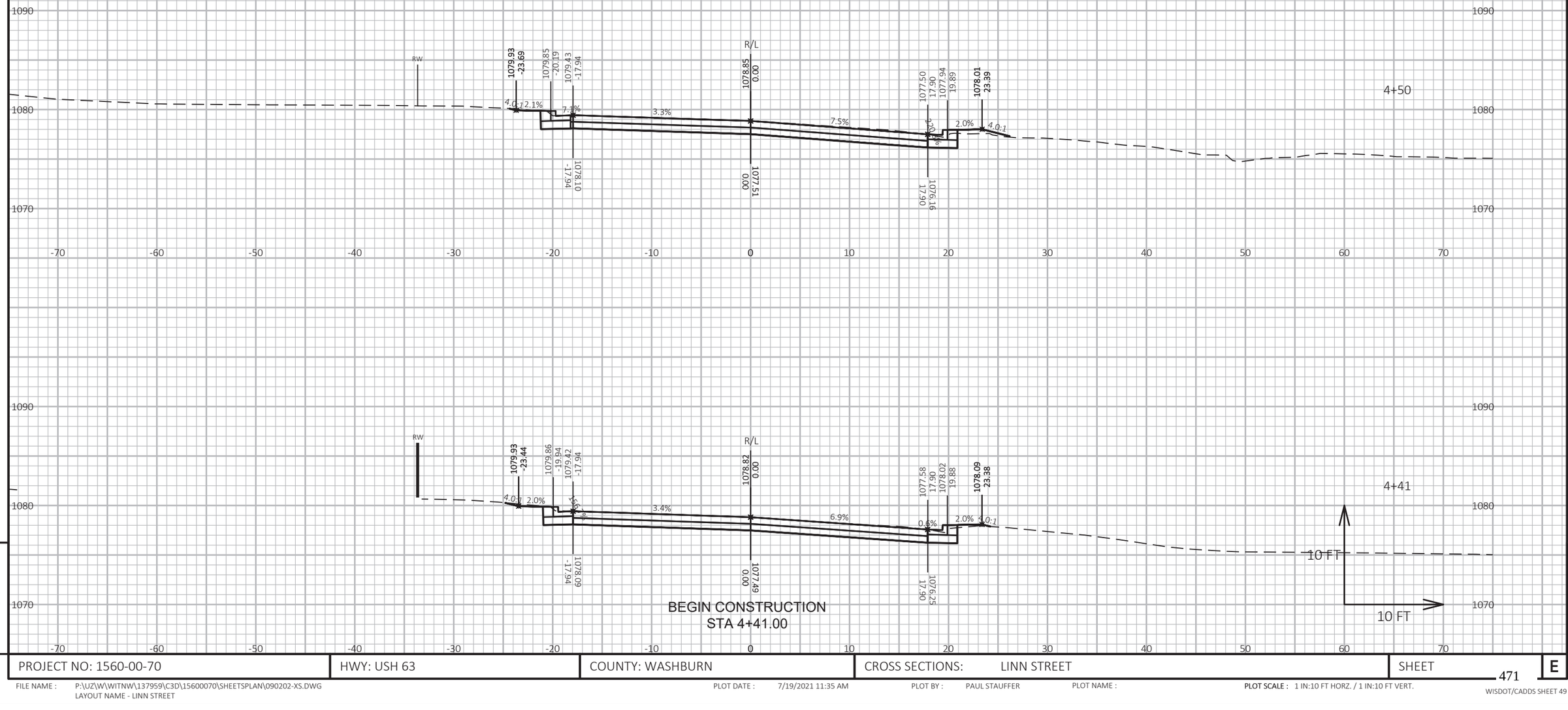
PLOT DATE : 7/19/2021 12:34 PM PLOT BY : PAUL STAUFFER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

END PROJECT
STA 1310+68.73



PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: USH 63	SHEET 470	E



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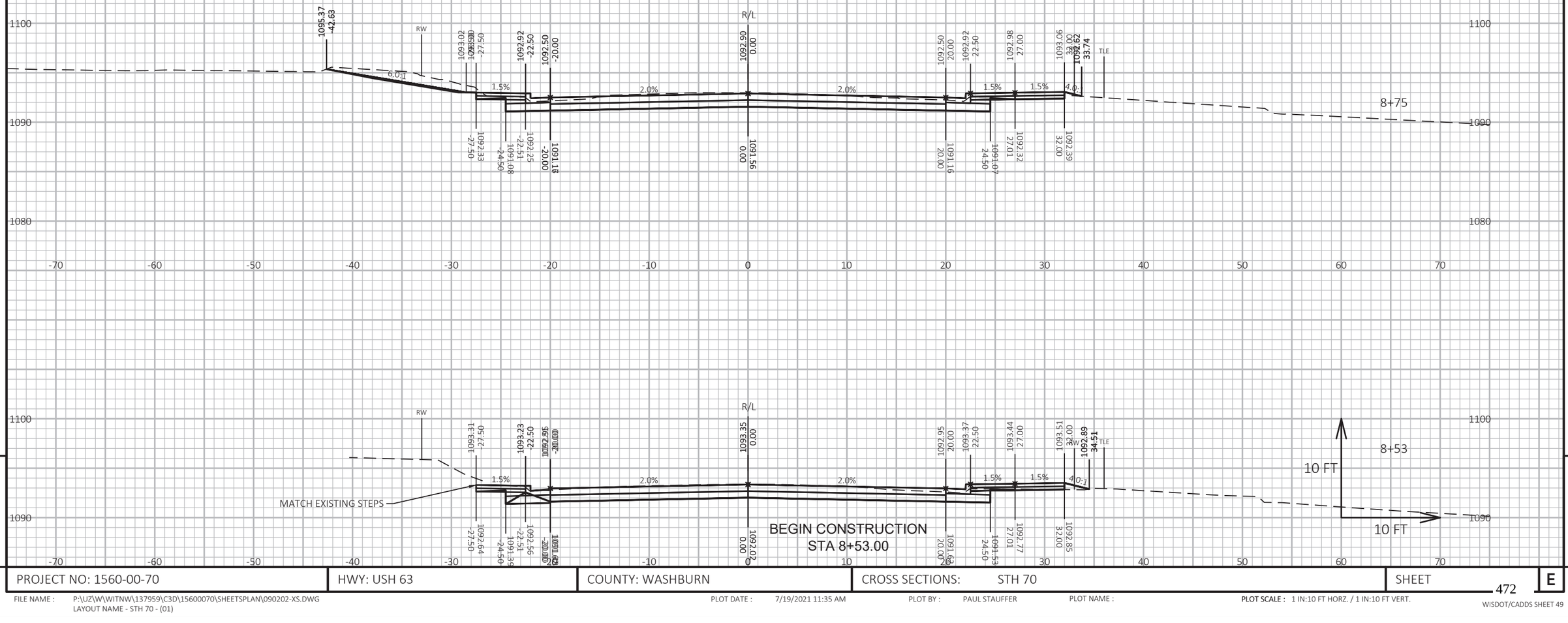
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: LINN STREET	SHEET 471	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - LINN STREET

PLOT DATE : 7/19/2021 11:35 AM PLOT BY : PAUL STAUFFER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

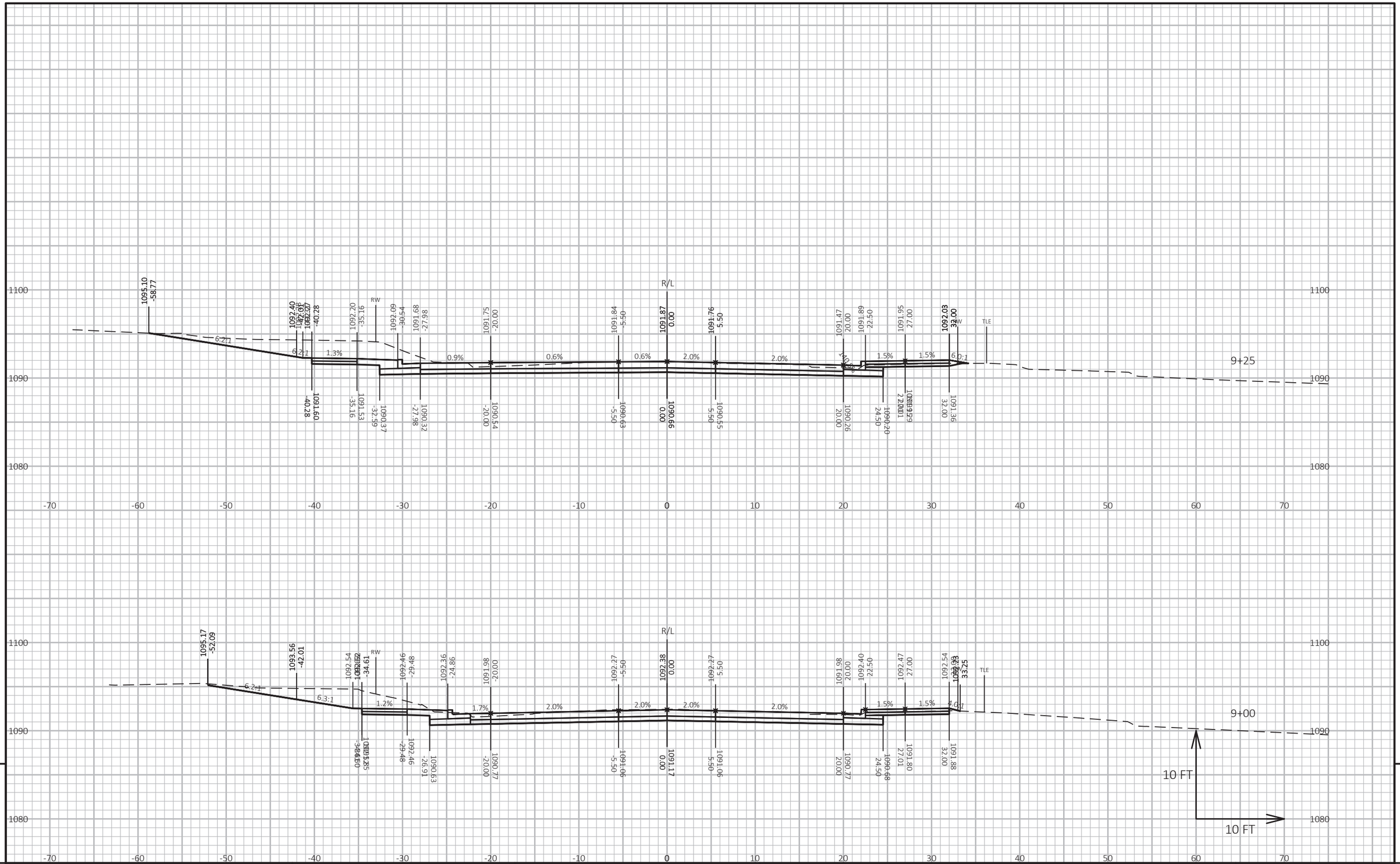


PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: STH 70	SHEET 472	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - STH 70 - (01)

PLOT DATE : 7/19/2021 11:35 AM PLOT BY : PAUL STAUFFER PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: STH 70	SHEET 473	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - STH 70 - (02)

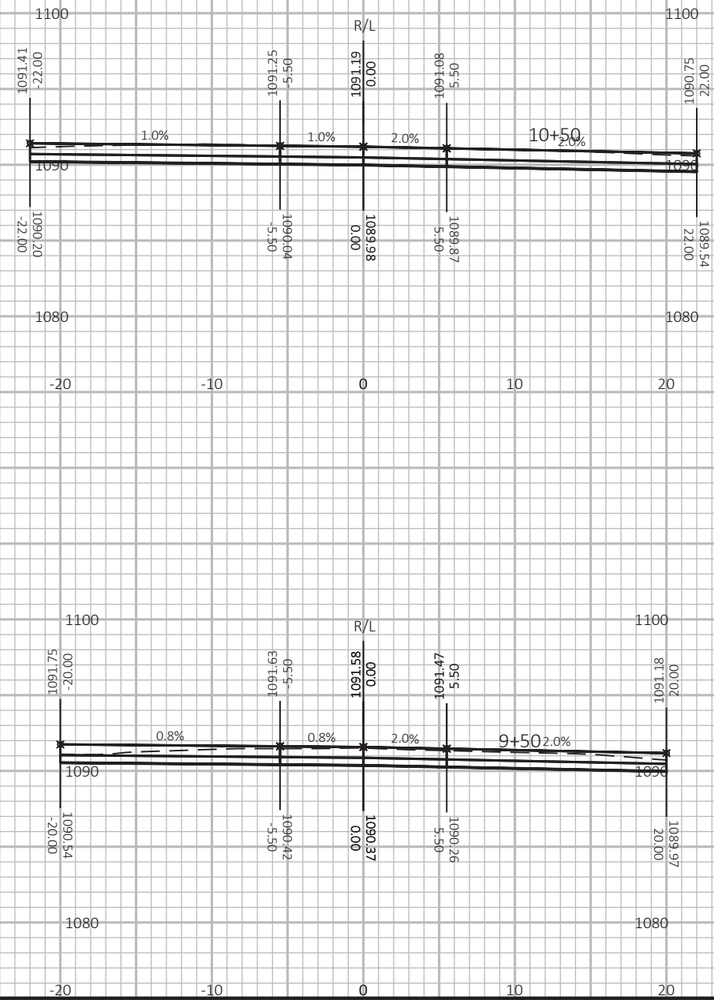
PLOT DATE : 7/19/2021 11:35 AM

PLOT BY : PAUL STAUFFER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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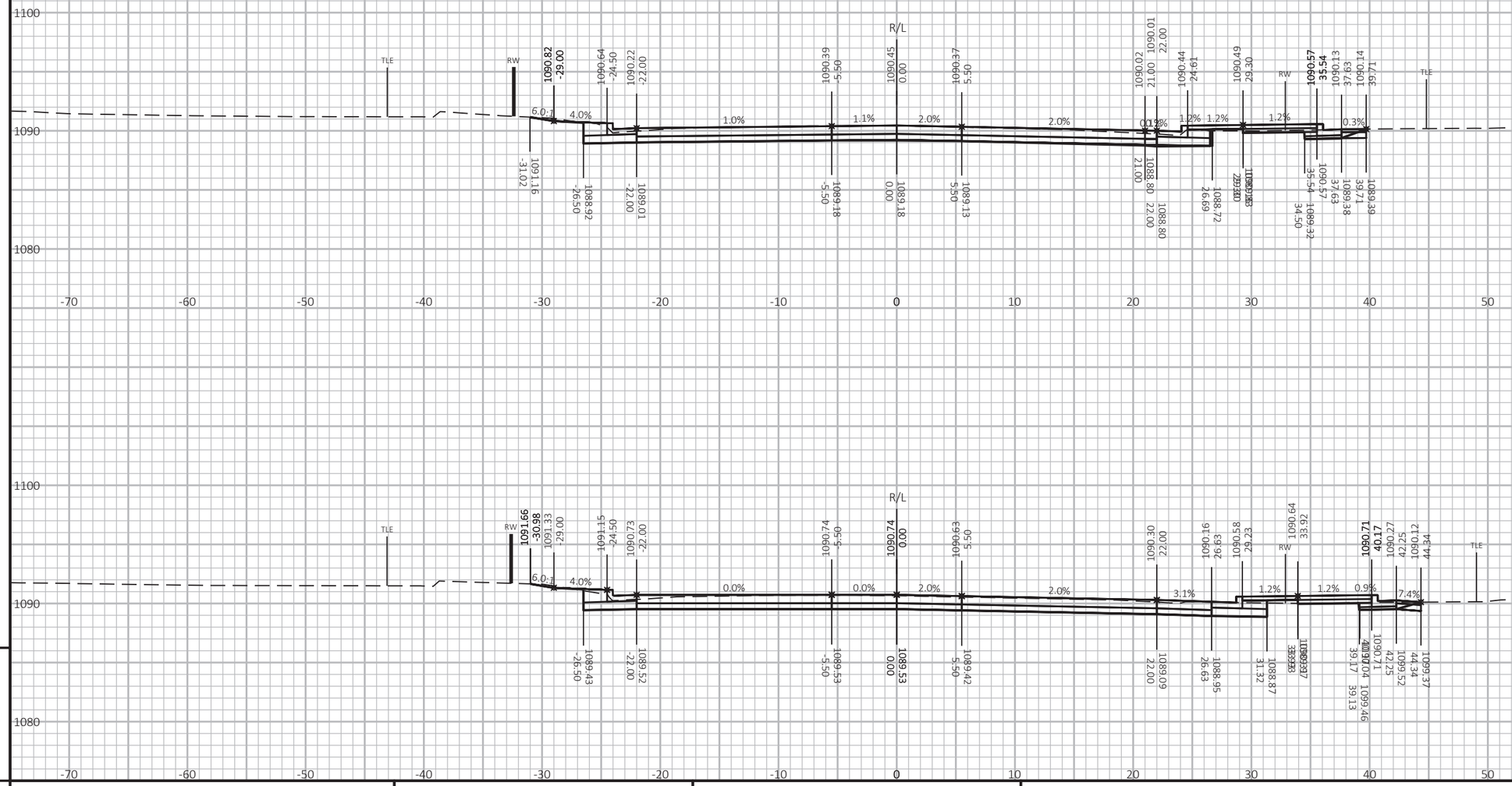
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: STH 70	SHEET 474	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - STH 70 - (03)

PLOT DATE : 7/19/2021 11:36 AM PLOT BY : PAUL STAUFFER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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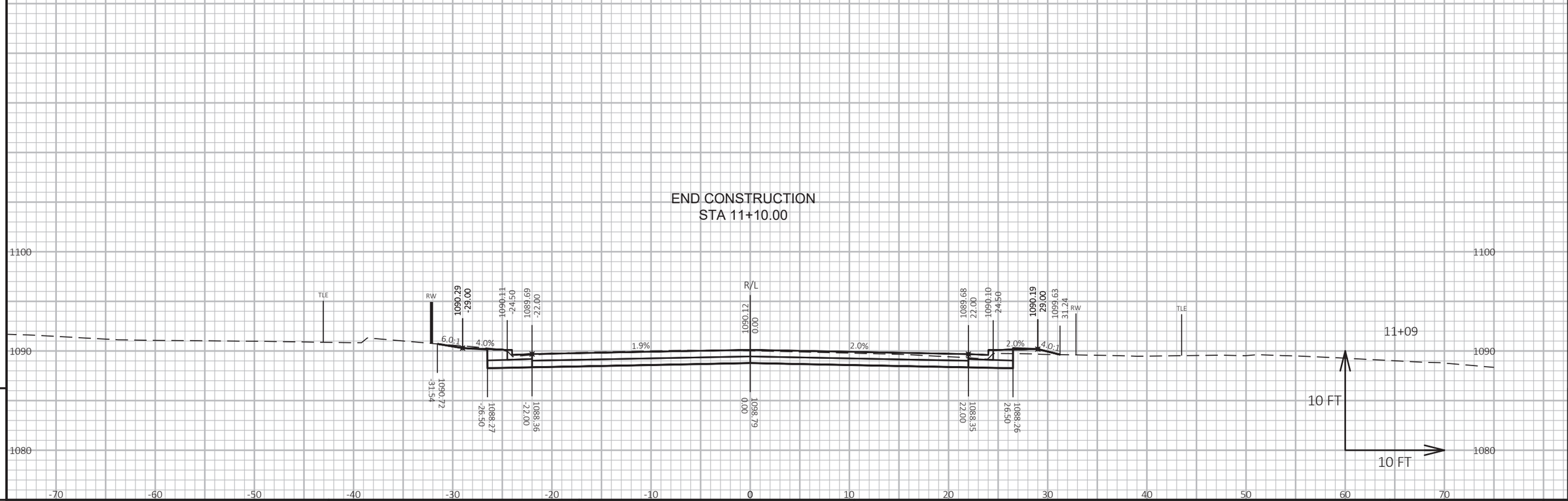
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: STH 70	SHEET 475	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - STH 70 - (04)

PLOT DATE : 7/19/2021 11:36 AM PLOT BY : PAUL STAUFFER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

END CONSTRUCTION
STA 11+10.00

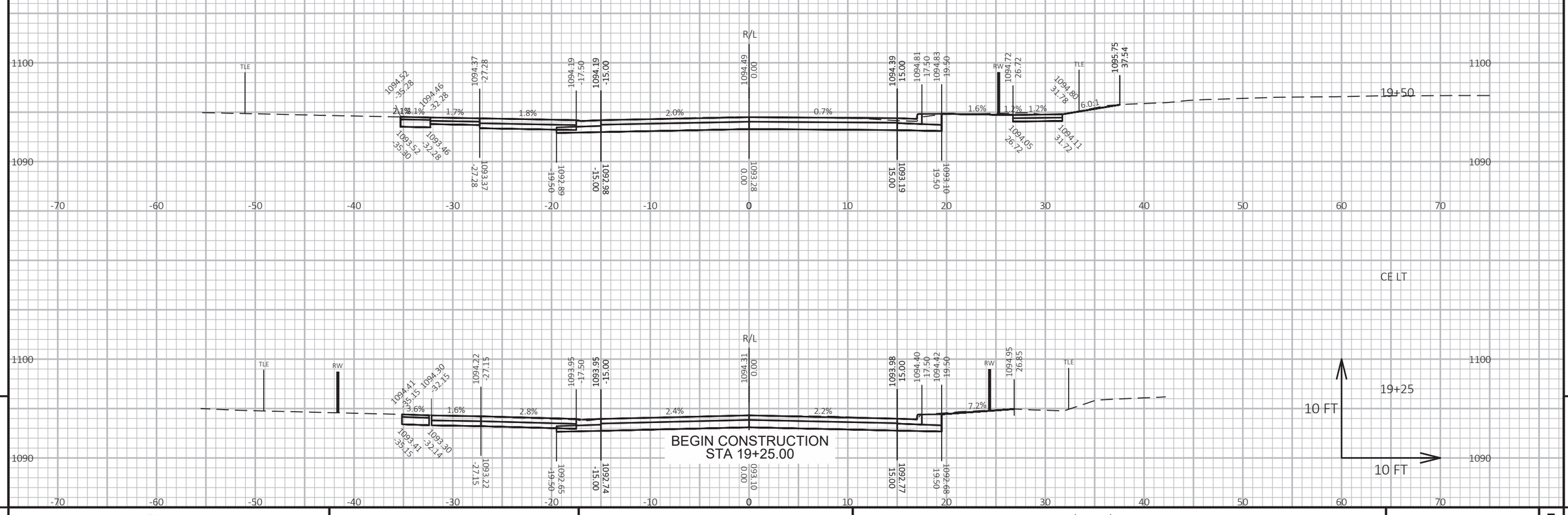


PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: STH 70	SHEET 476	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - STH 70 - (05)

PLOT DATE : 7/19/2021 11:36 AM PLOT BY : PAUL STAUFFER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: VINE STREET (WEST)	SHEET 477	E

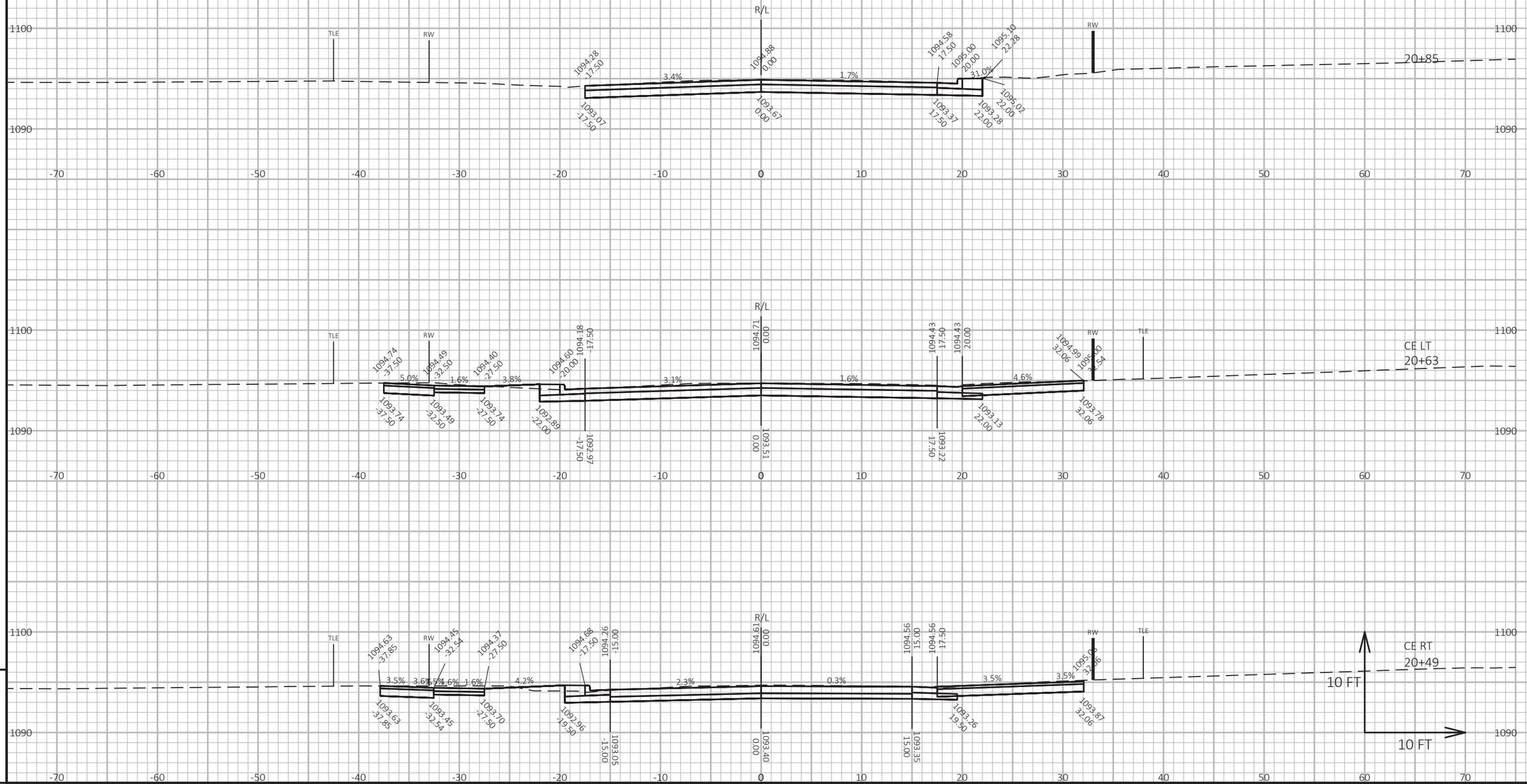
FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - VINE STREET WEST

PLOT DATE : 7/19/2021 11:37 AM PLOT BY : PAUL STAUFFER PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

END CONSTRUCTION
STA 20+85.00

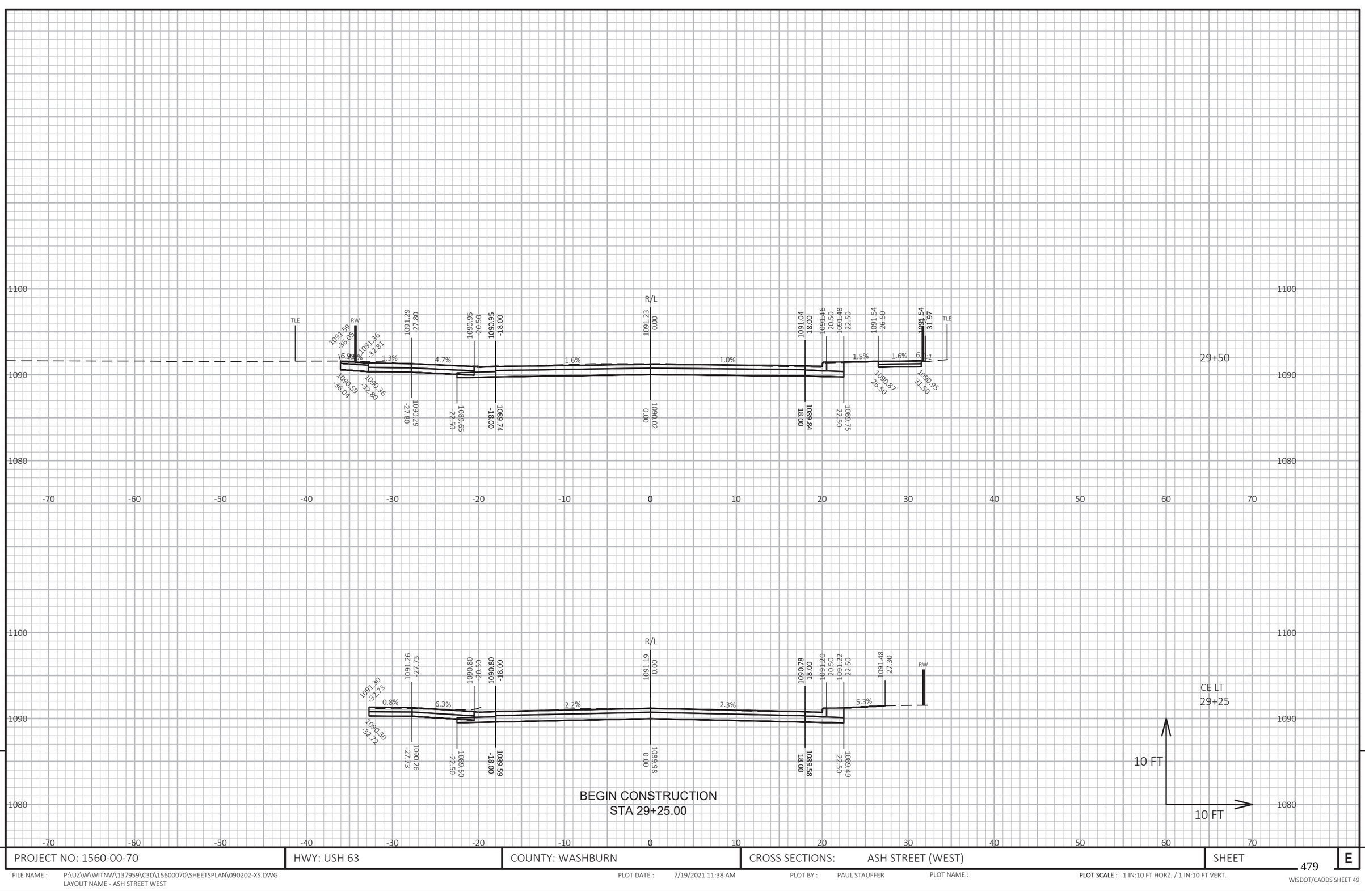


PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: VINE STREET (EAST)	SHEET 478 E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - VINE STREEET EAST

PLOT DATE : 7/19/2021 11:37 AM PLOT BY : PAUL STAUFFER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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9

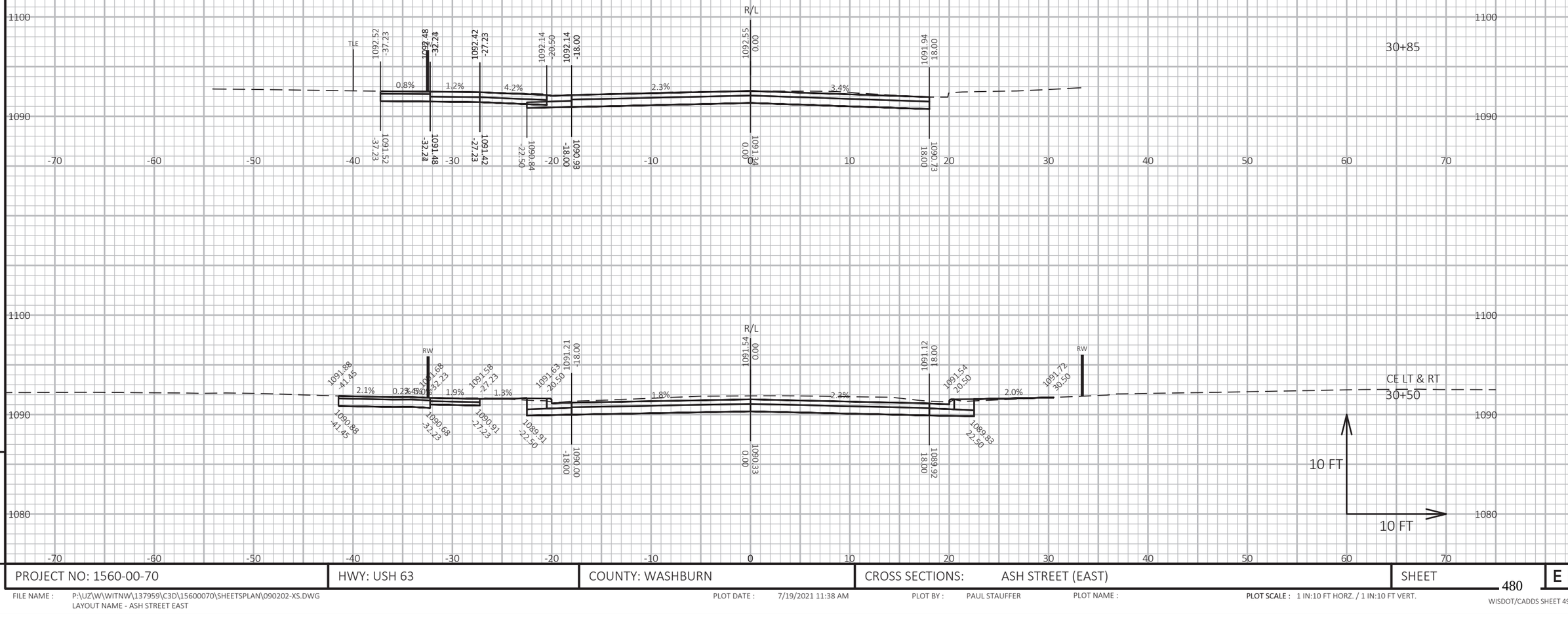
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: ASH STREET (WEST)	SHEET 479	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - ASH STREET WEST

PLOT DATE : 7/19/2021 11:38 AM PLOT BY : PAUL STAUFFER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

END CONSTRUCTION
STA 30+85.00

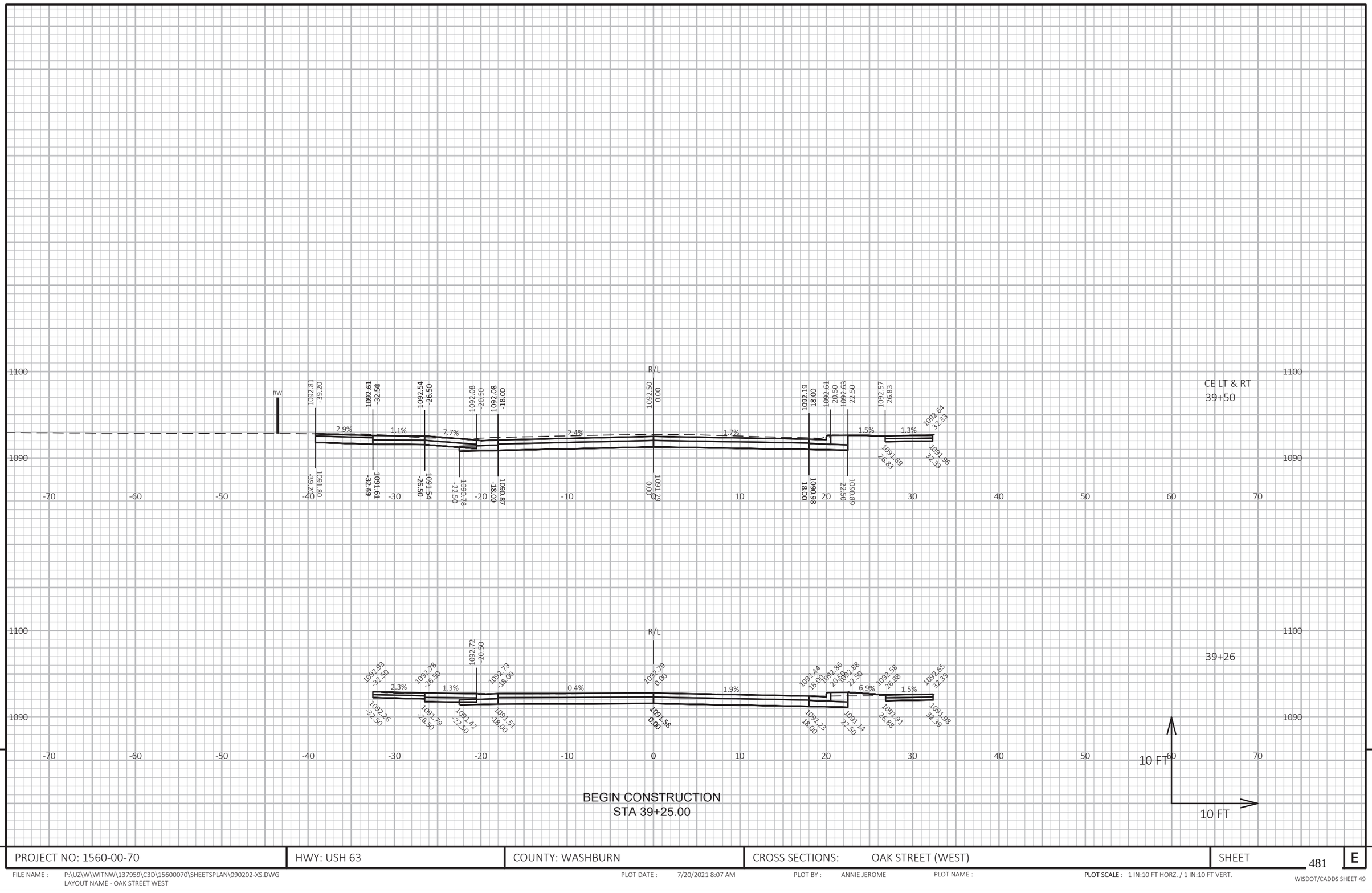


PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: ASH STREET (EAST)	SHEET 480	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - ASH STREET EAST

PLOT DATE : 7/19/2021 11:38 AM PLOT BY : PAUL STAUFFER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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9

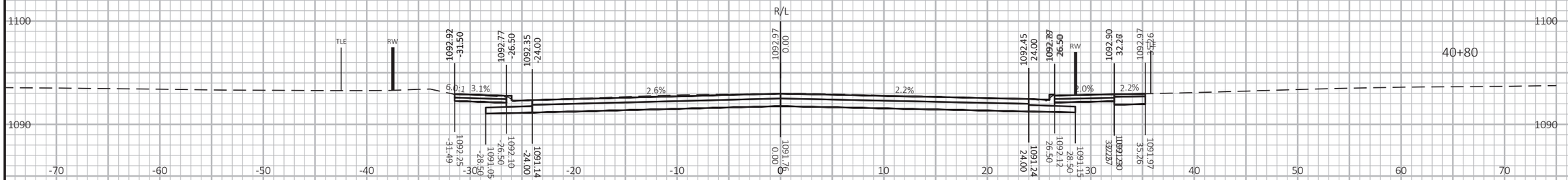
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: OAK STREET (WEST)	SHEET 481	E

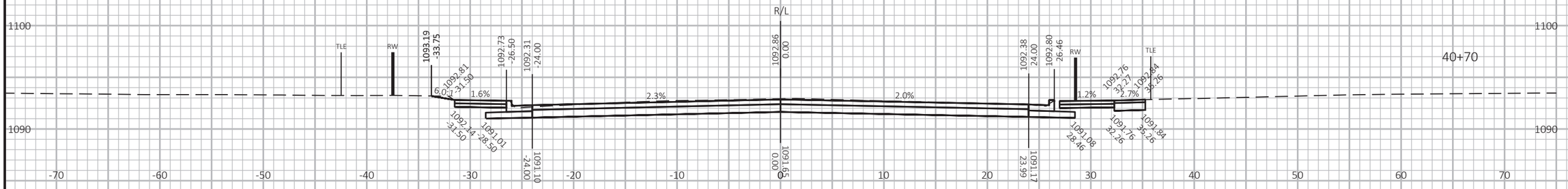
FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - OAK STREET WEST

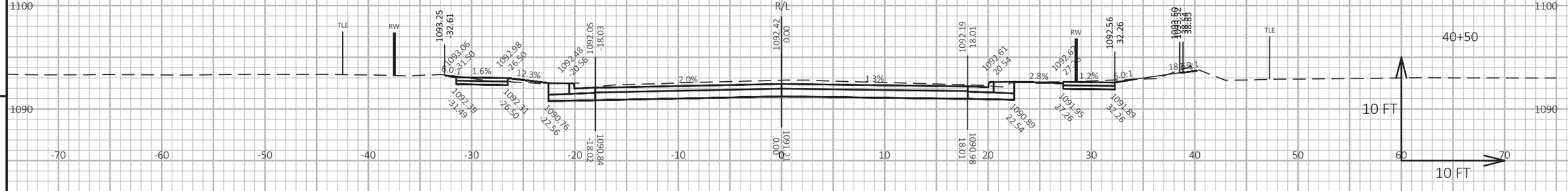
PLOT DATE : 7/20/2021 8:07 AM PLOT BY : ANNIE JEROME PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

END CONSTRUCTION
STA 40+80.00







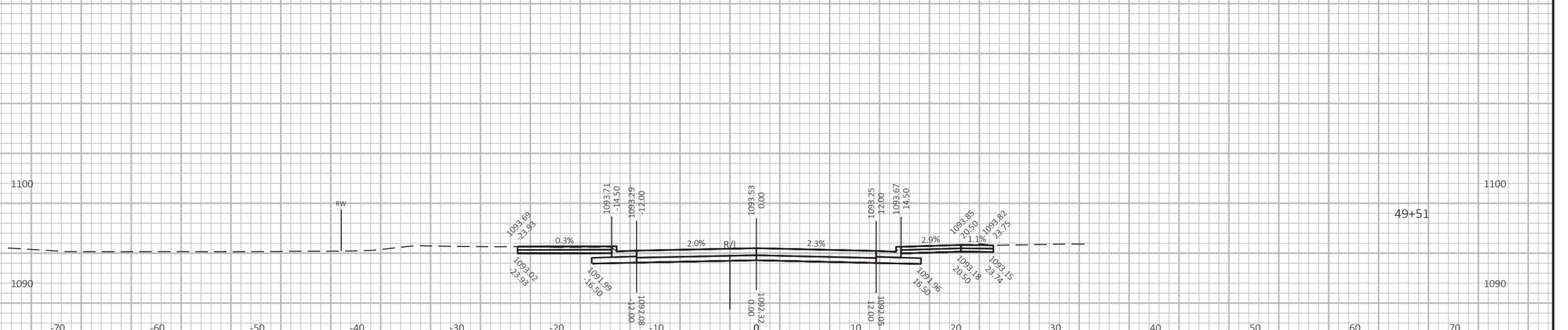
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: OAK STREET (EAST)	SHEET 482 E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - OAK STREET EAST

PLOT DATE : 7/19/2021 11:39 AM PLOT BY : PAUL STAUFFER PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



BEGIN CONSTRUCTION
STA 49+50.67

9

9

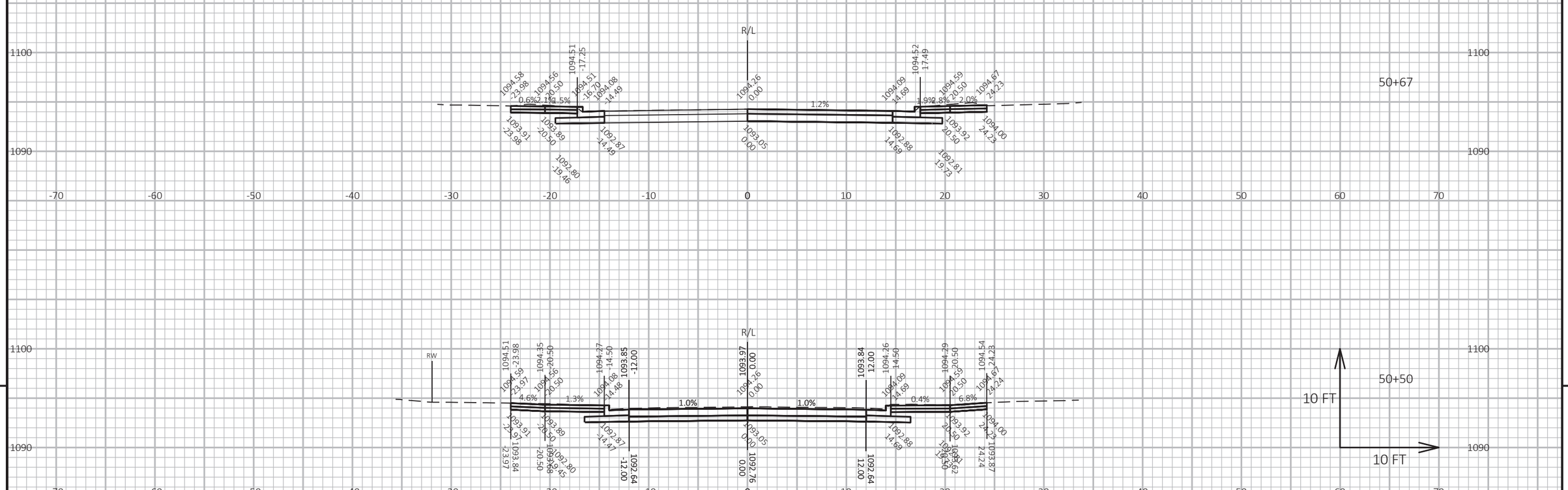
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: WALNUT STREET (WEST)	SHEET	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - WALNUT STREET WEST

PLOT DATE : 7/19/2021 11:39 AM PLOT BY : PAUL STAUFFER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

END CONSTRUCTION
STA 50+70.00



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9

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: WALNUT STREET (EAST)	SHEET 484	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - WALNUT STREET EAST

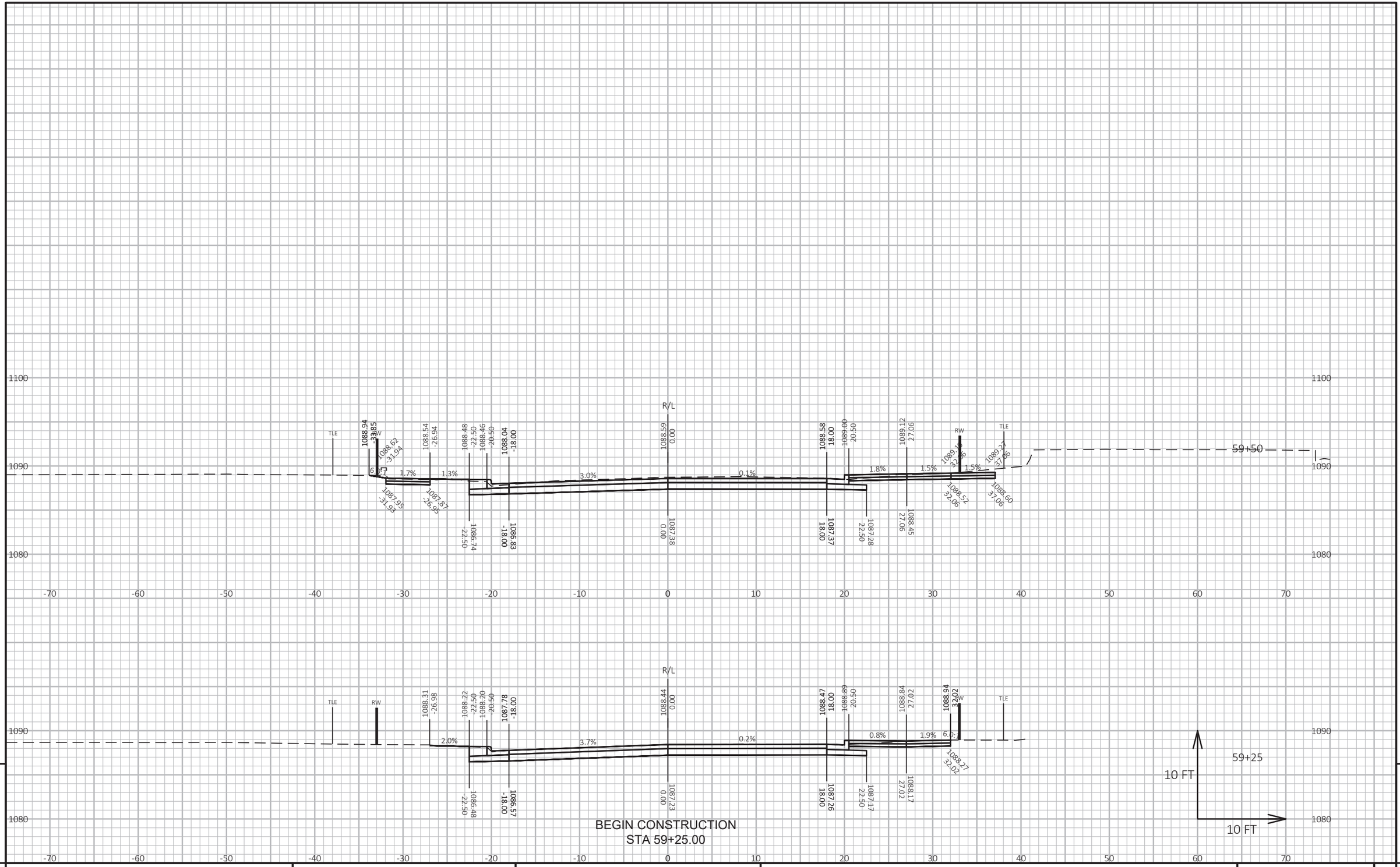
PLOT DATE : 7/20/2021 8:13 AM

PLOT BY : ANNIE JEROME

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



BEGIN CONSTRUCTION
STA 59+25.00

9

9

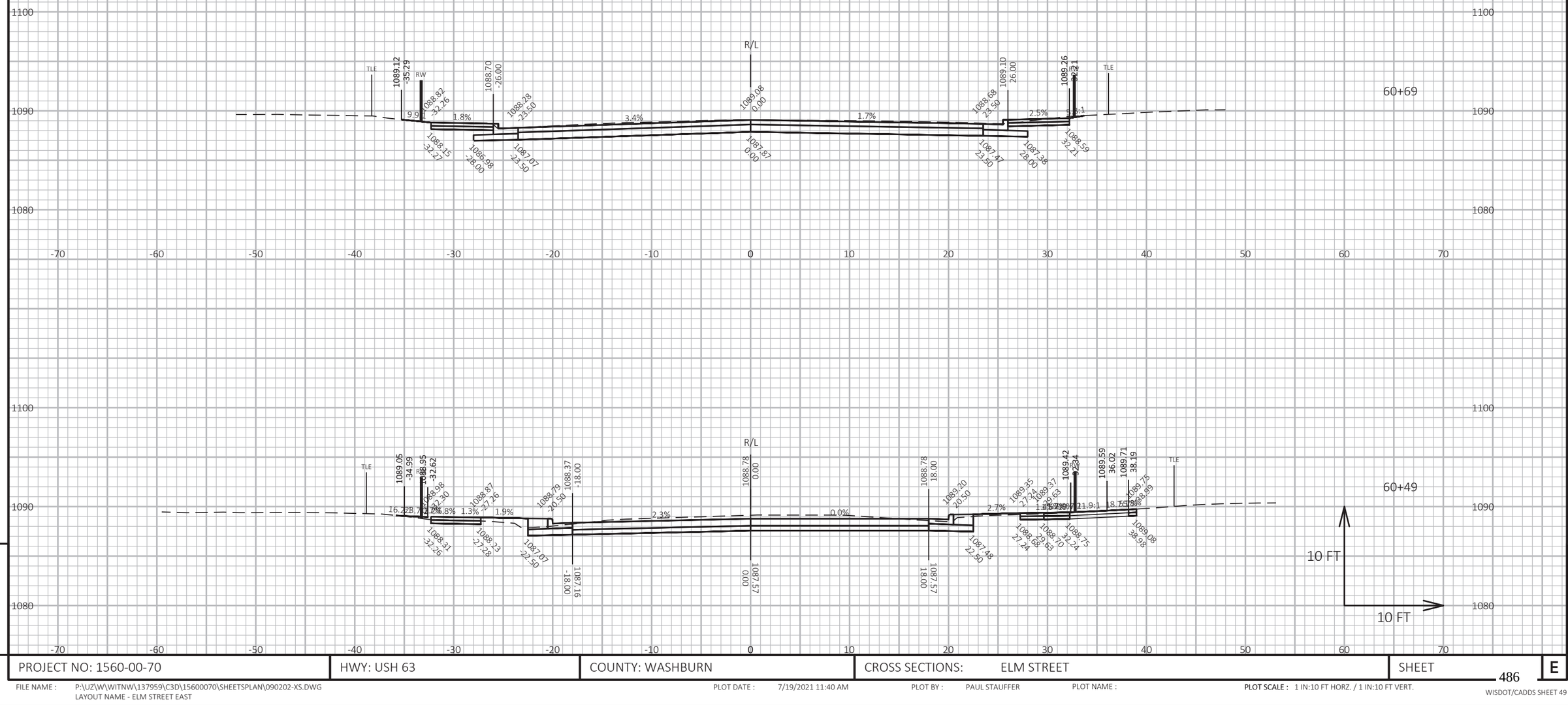
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: ELM STREET (WEST)	SHEET	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - ELM STREET WEST

PLOT DATE : 7/19/2021 11:40 AM PLOT BY : PAUL STAUFFER PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



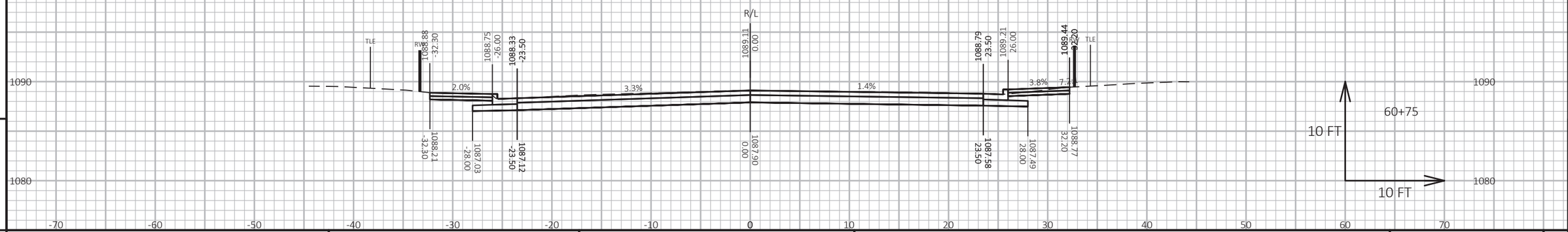
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: ELM STREET	SHEET 486 E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - ELM STREET EAST

PLOT DATE : 7/19/2021 11:40 AM PLOT BY : PAUL STAUFFER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

END CONSTRUCTION
STA 60+75.00



9

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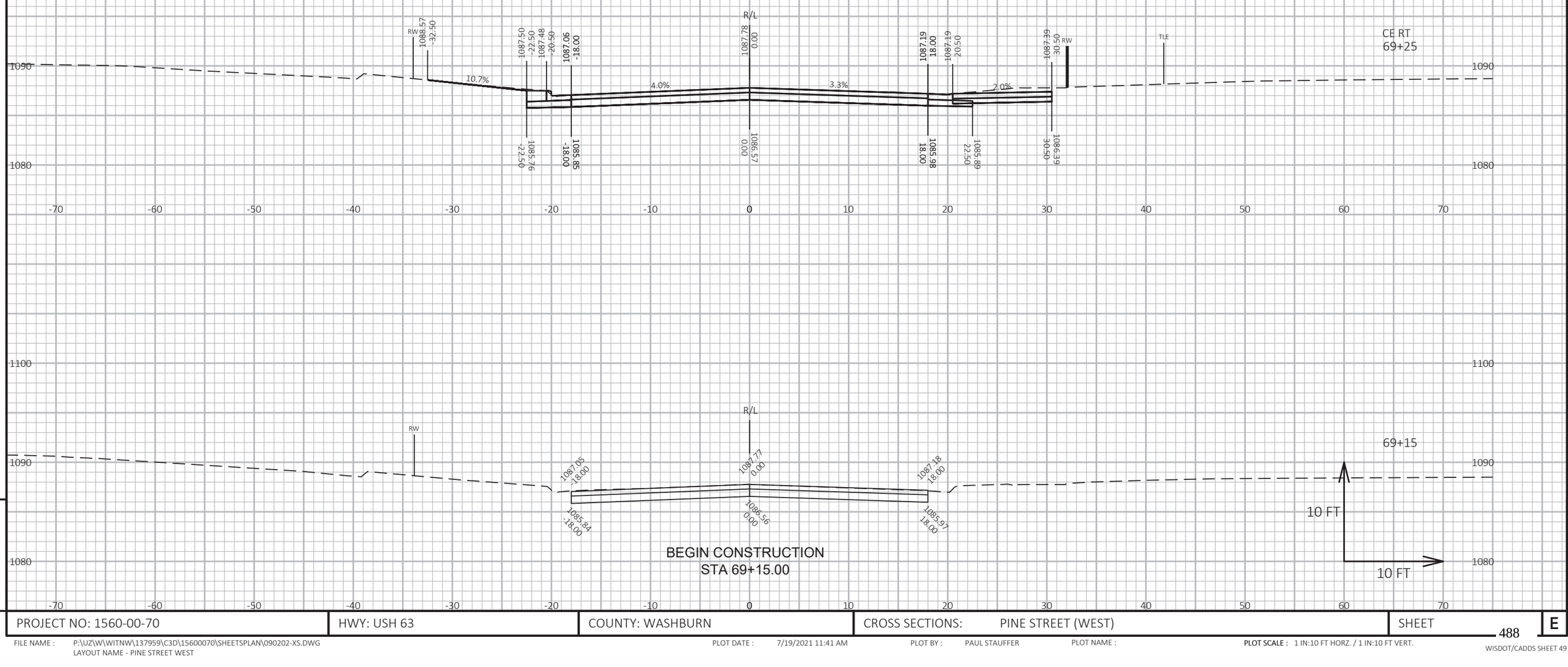
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: ELM STREET (EAST)	SHEET 487	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - ELM STREET EAST_02

PLOT DATE : 7/19/2021 11:41 AM PLOT BY : PAUL STAUFFER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

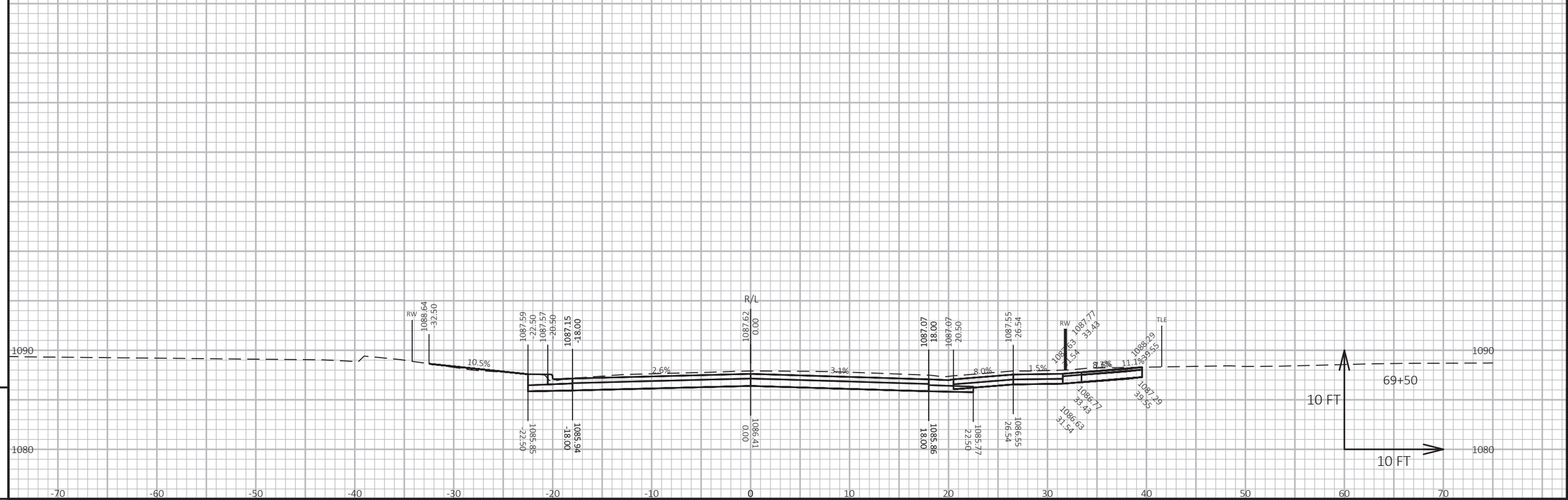
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: PINE STREET (WEST)	SHEET	E

488

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - PINE STREET WEST

PLOT DATE : 7/19/2021 11:41 AM PLOT BY : PAUL STAUFFER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



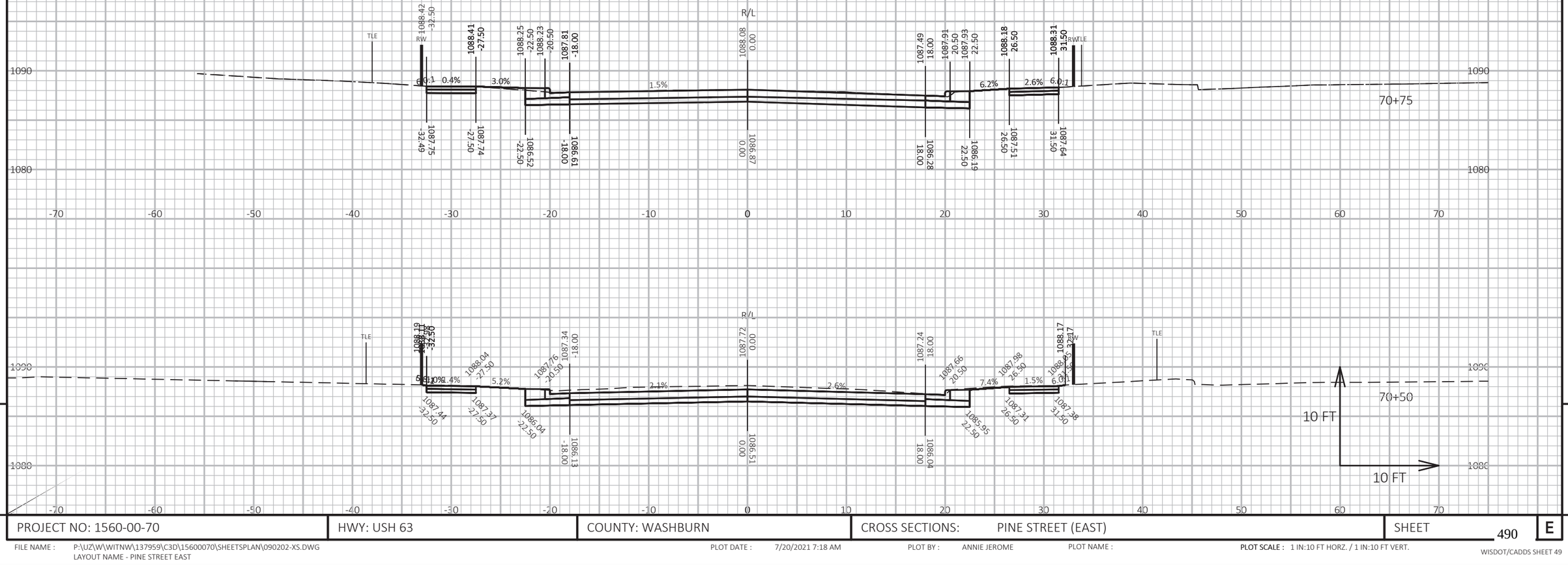
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: PINE STREET (WEST)	SHEET 489 E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - PINE STREET WEST_02

PLOT DATE : 7/19/2021 11:42 AM PLOT BY : PAUL STAUFFER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

END CONSTRUCTION
STA 70+75.00



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9

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: PINE STREET (EAST)	SHEET 490	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - PINE STREET EAST

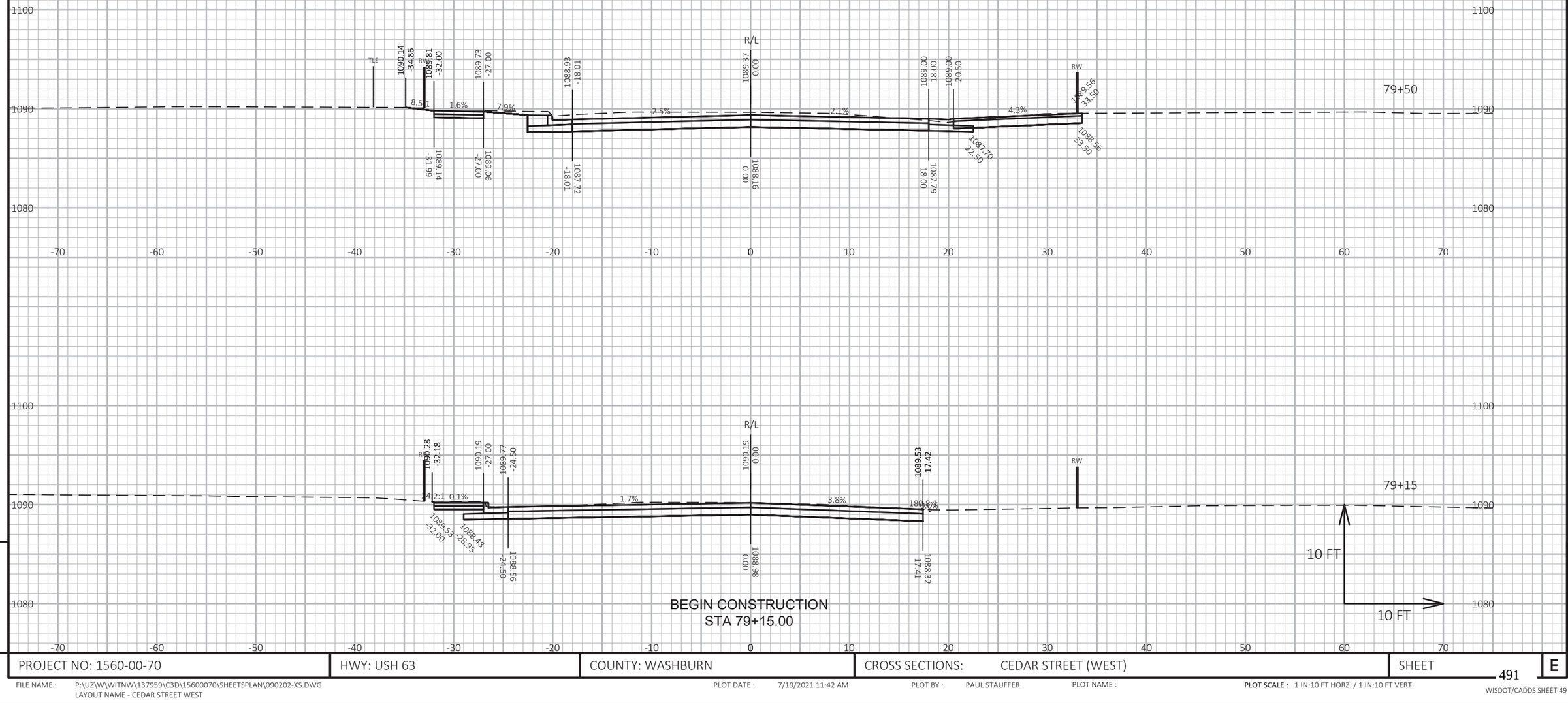
PLOT DATE : 7/20/2021 7:18 AM

PLOT BY : ANNIE JEROME

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

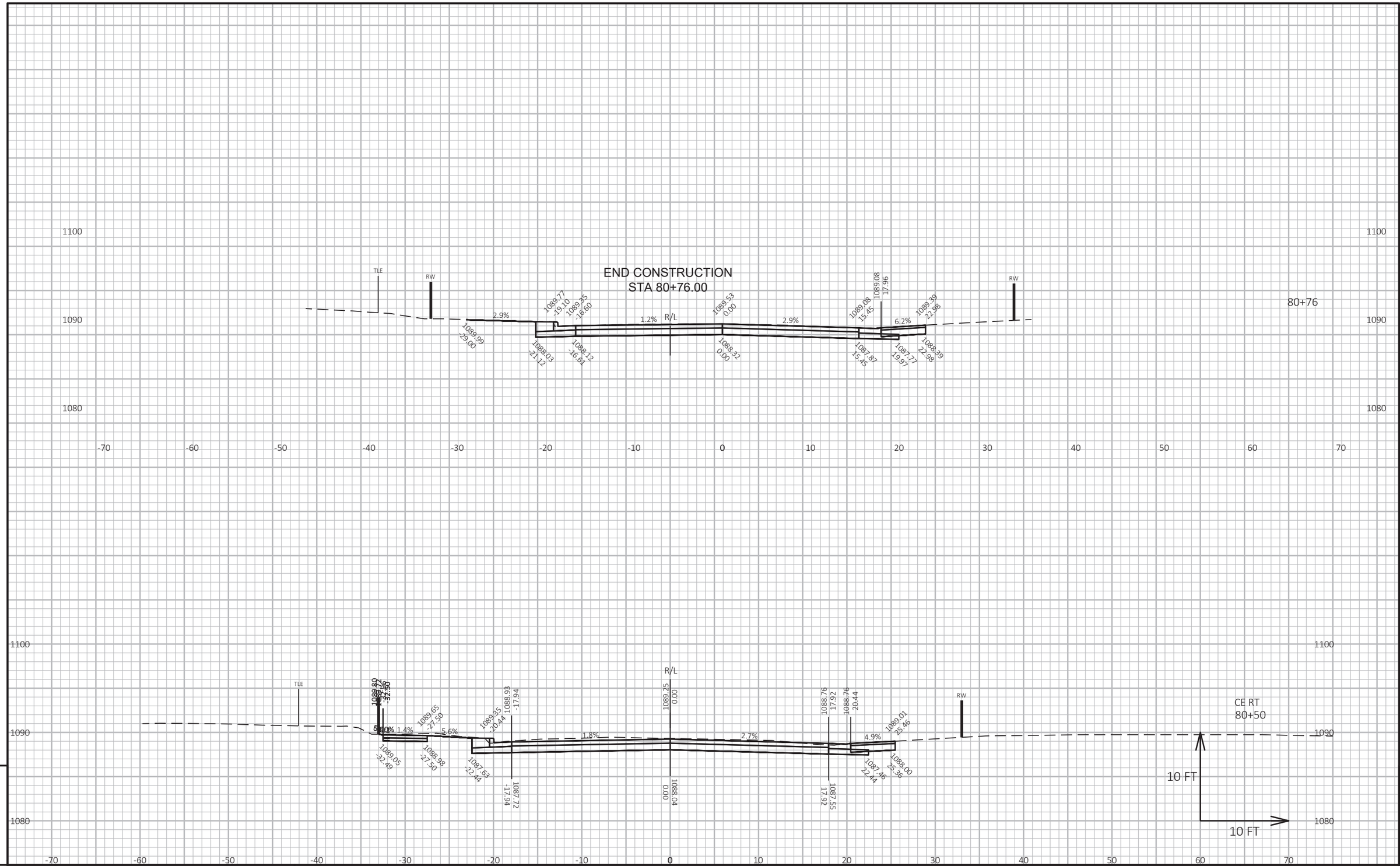
9

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: CEDAR STREET (WEST)	SHEET 491	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - CEDAR STREET WEST

PLOT DATE : 7/19/2021 11:42 AM PLOT BY : PAUL STAUFFER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: CEDAR STREET (EAST)	SHEET 492	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - CEDAR STREET EAST

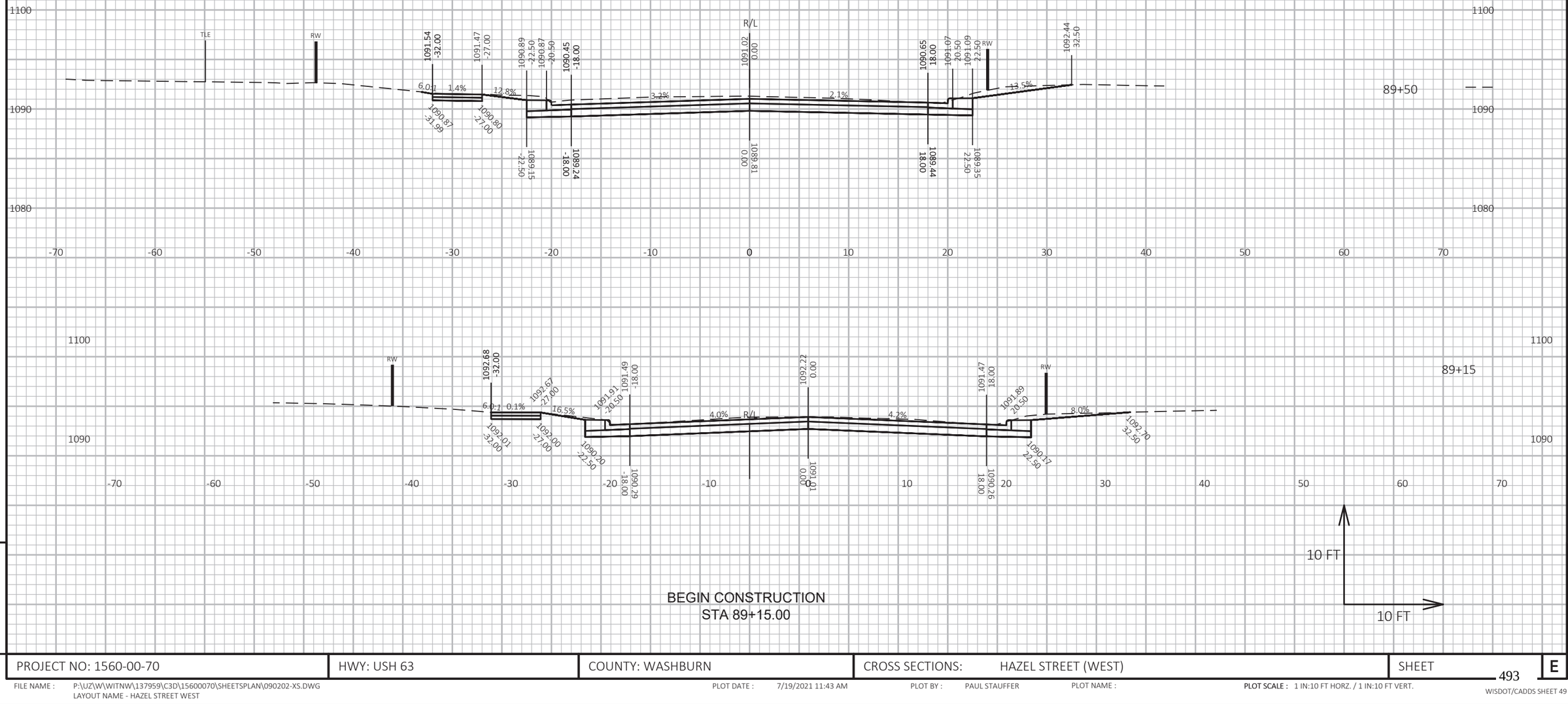
PLOT DATE : 7/19/2021 11:43 AM

PLOT BY : PAUL STAUFFER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

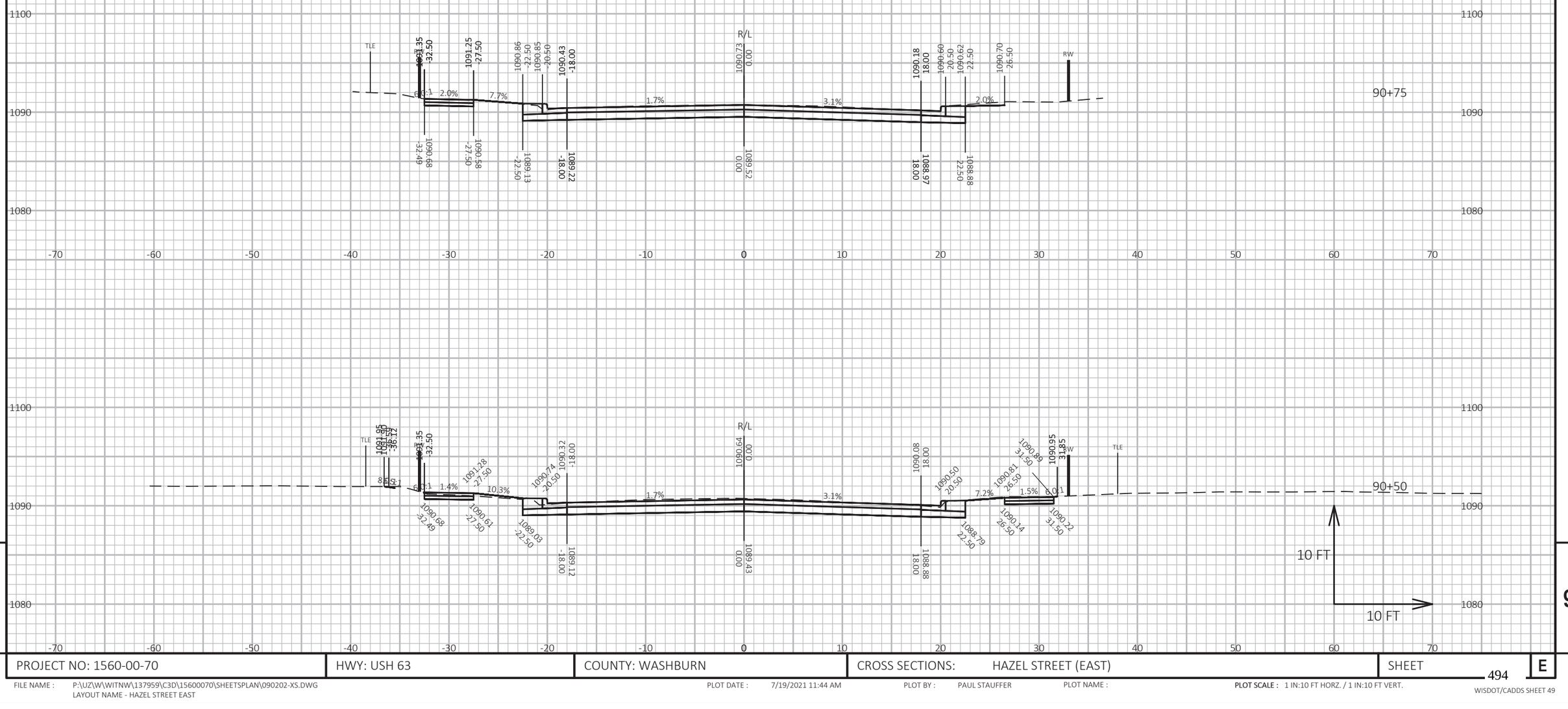
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: HAZEL STREET (WEST)	SHEET 493	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - HAZEL STREET WEST

PLOT DATE : 7/19/2021 11:43 AM PLOT BY : PAUL STAUFFER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

END CONSTRUCTION
STA 90+75.00

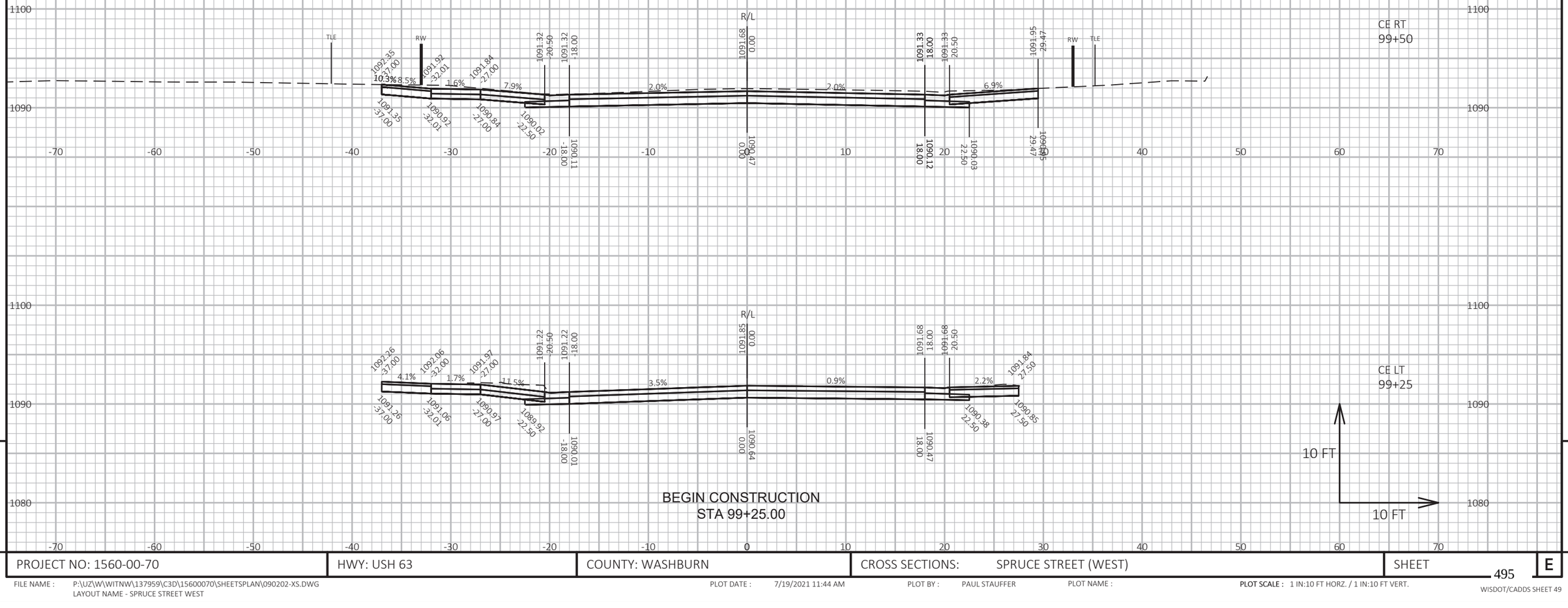


PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: HAZEL STREET (EAST)	SHEET 494 E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - HAZEL STREET EAST

PLOT DATE : 7/19/2021 11:44 AM PLOT BY : PAUL STAUFFER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: SPRUCE STREET (WEST)	SHEET	E

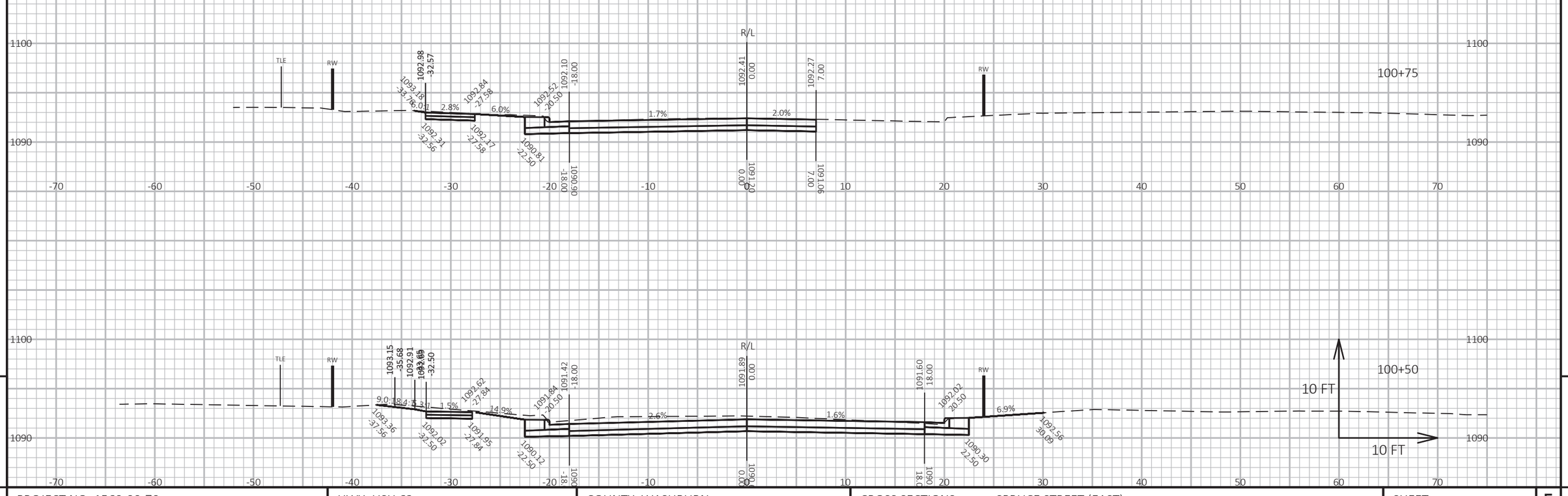
FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - SPRUCE STREET WEST

PLOT DATE : 7/19/2021 11:44 AM PLOT BY : PAUL STAUFFER PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

END CONSTRUCTION
STA 100+75.00



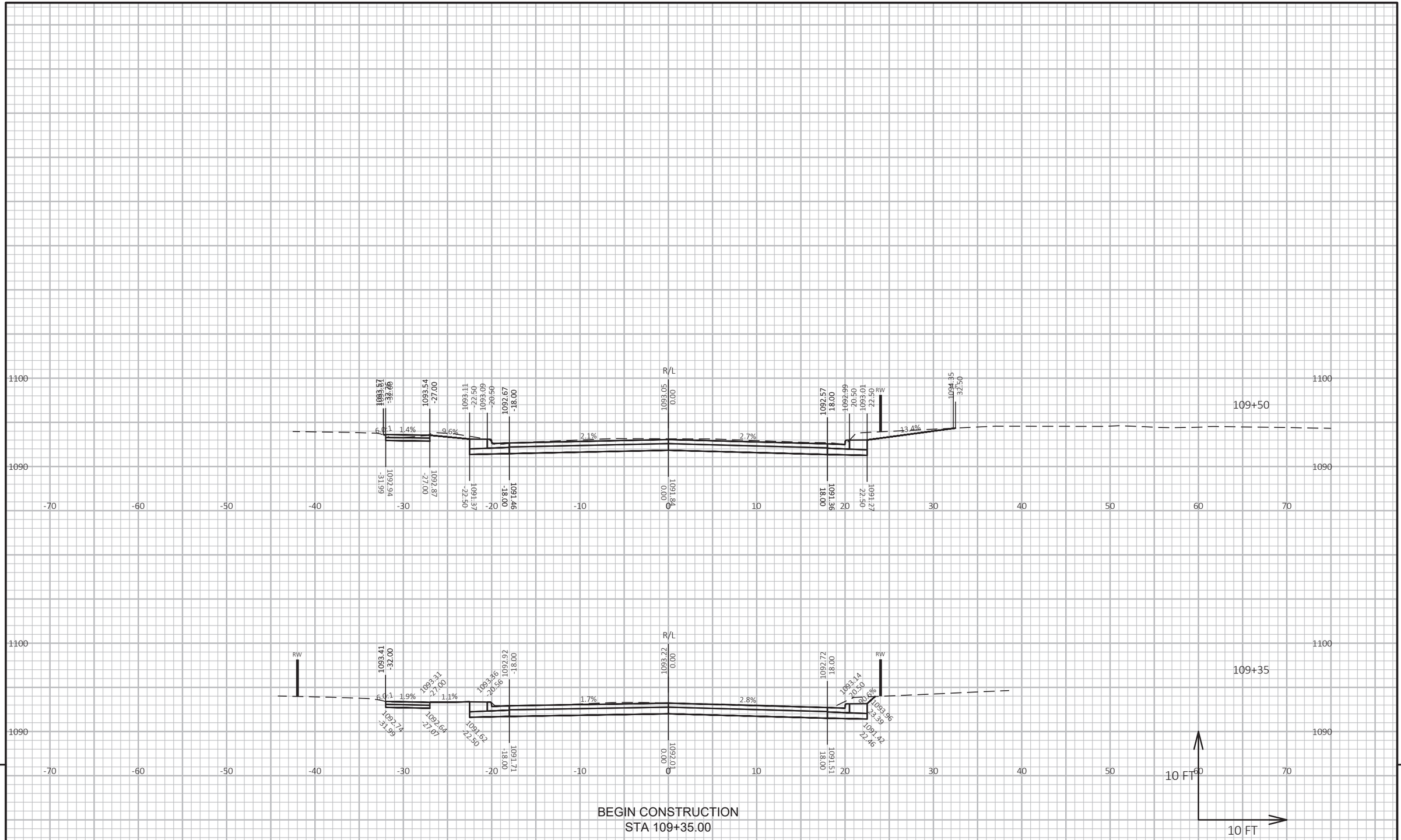
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: SPRUCE STREET (EAST)	SHEET 496	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - SPRUCE STREET EAST

PLOT DATE : 7/20/2021 8:18 AM PLOT BY : ANNIE JEROME PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



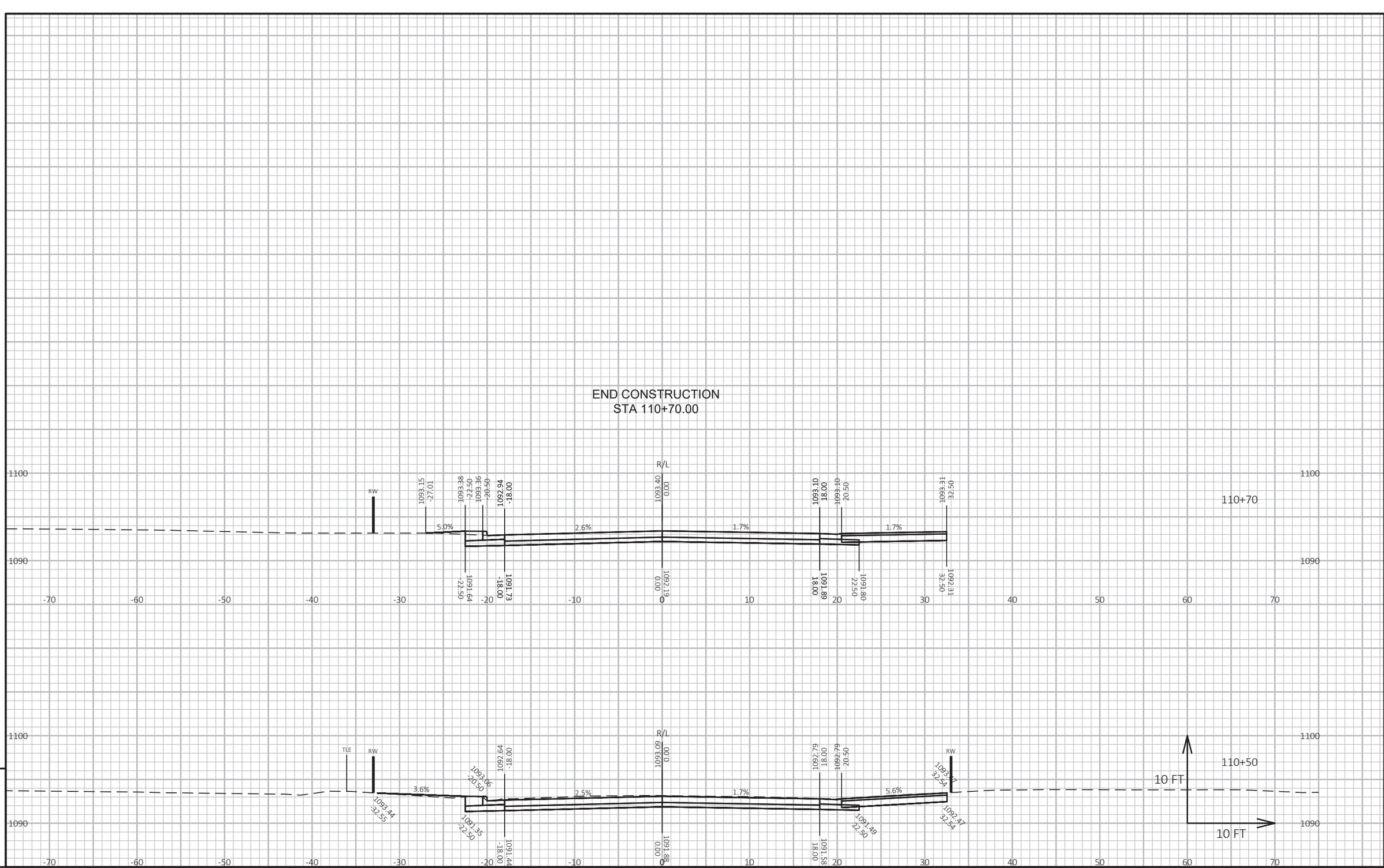
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: BALSAM STREET (WEST)	SHEET 497 E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - BALSAM STREET WEST

PLOT DATE : 7/19/2021 11:45 AM PLOT BY : PAUL STAUFFER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

END CONSTRUCTION
STA 110+70.00



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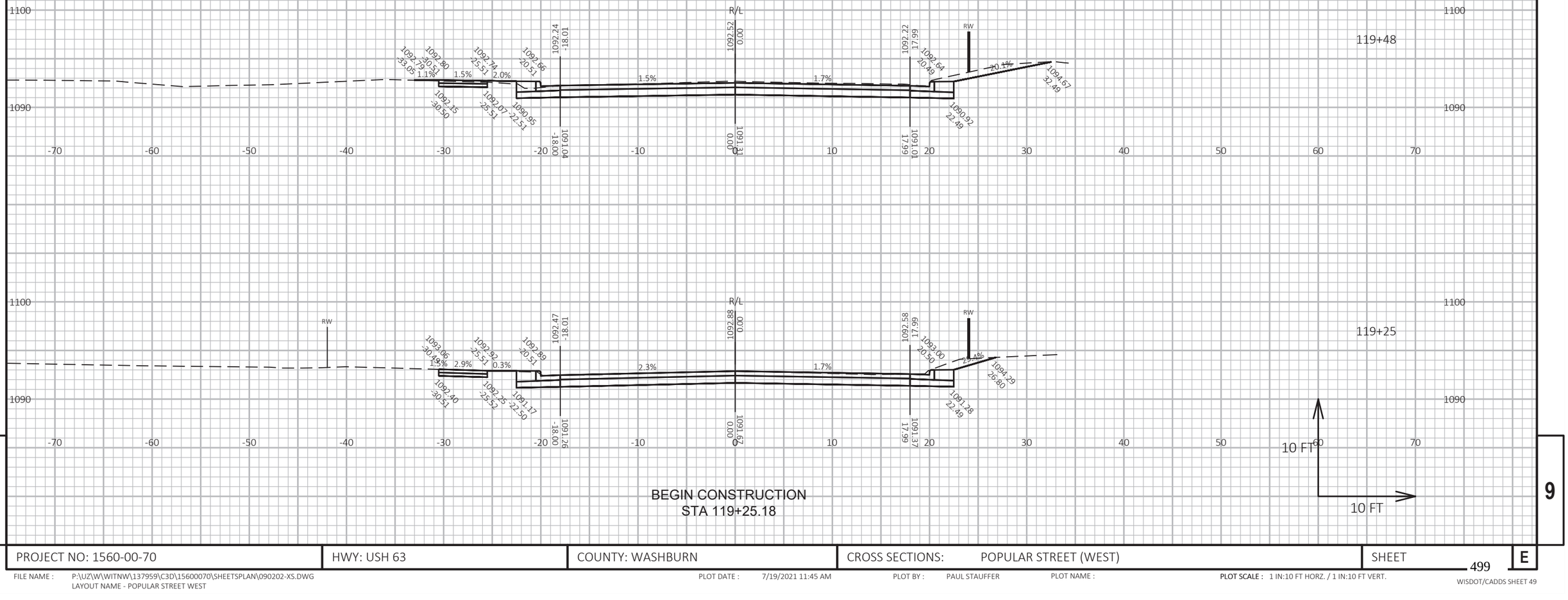
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: BALSAM STREET (EAST)	SHEET 498	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - BALSAM STREET EAST

PLOT DATE : 7/19/2021 11:45 AM PLOT BY : PAUL STAUFFER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



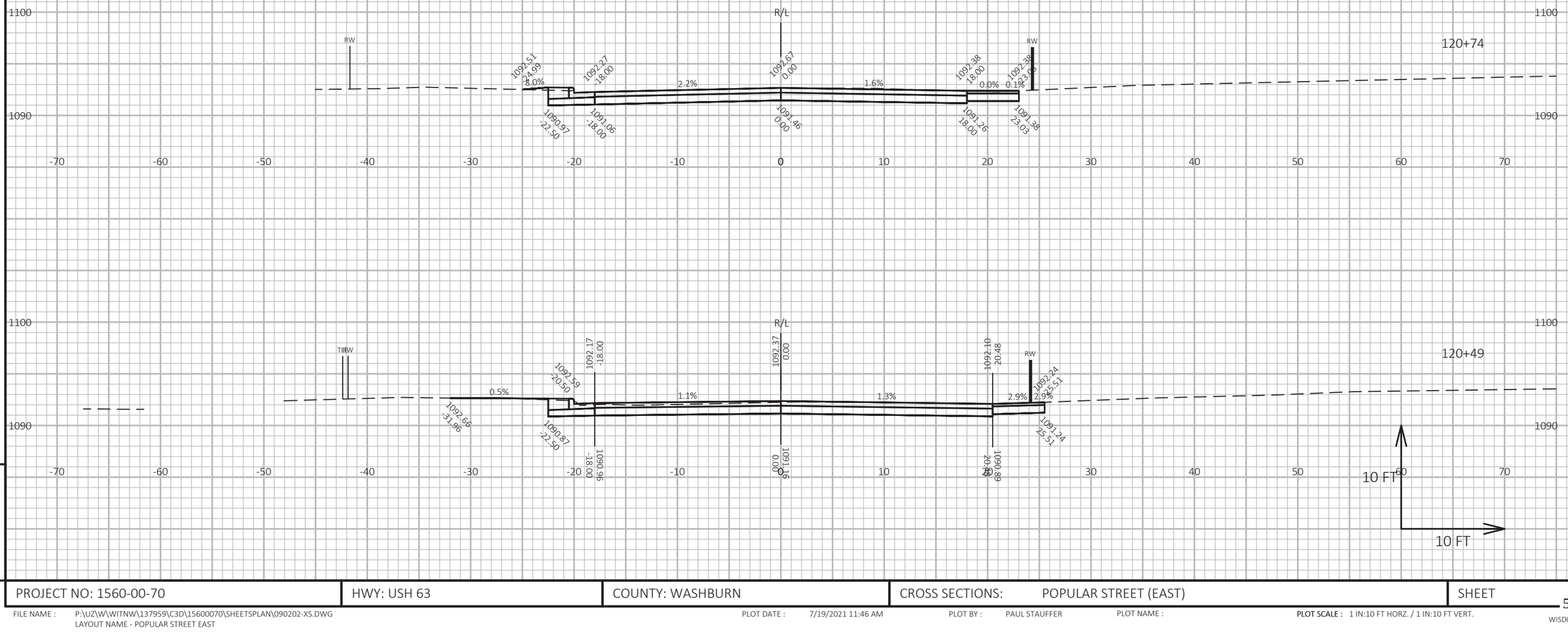
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: POPULAR STREET (WEST)	SHEET 499 E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - POPULAR STREET WEST

PLOT DATE : 7/19/2021 11:45 AM PLOT BY : PAUL STAUFFER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

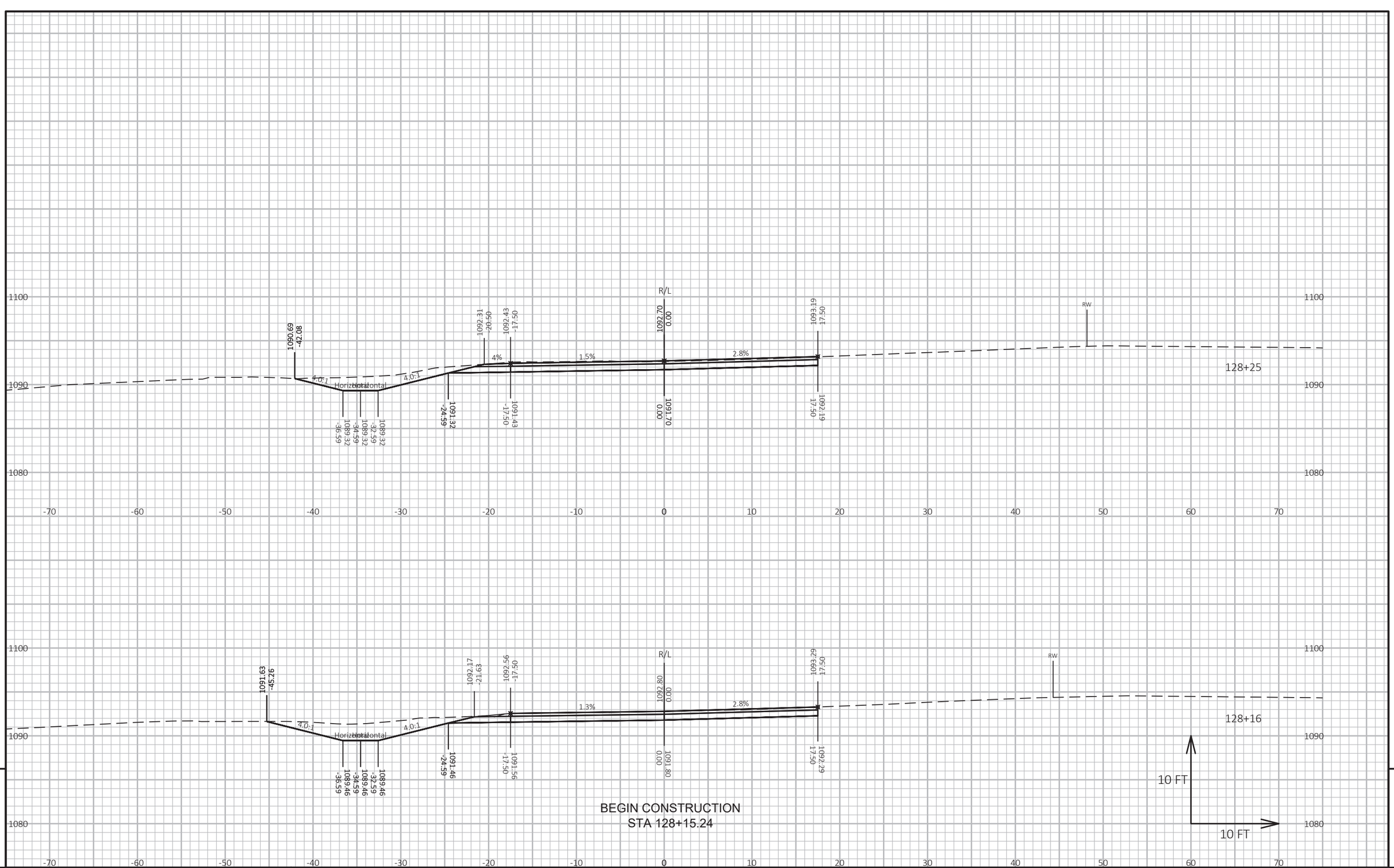
END CONSTRUCTION
STA 120+73.83



PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: POPULAR STREET (EAST)	SHEET	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - POPULAR STREET EAST

PLOT DATE : 7/19/2021 11:46 AM PLOT BY : PAUL STAUFFER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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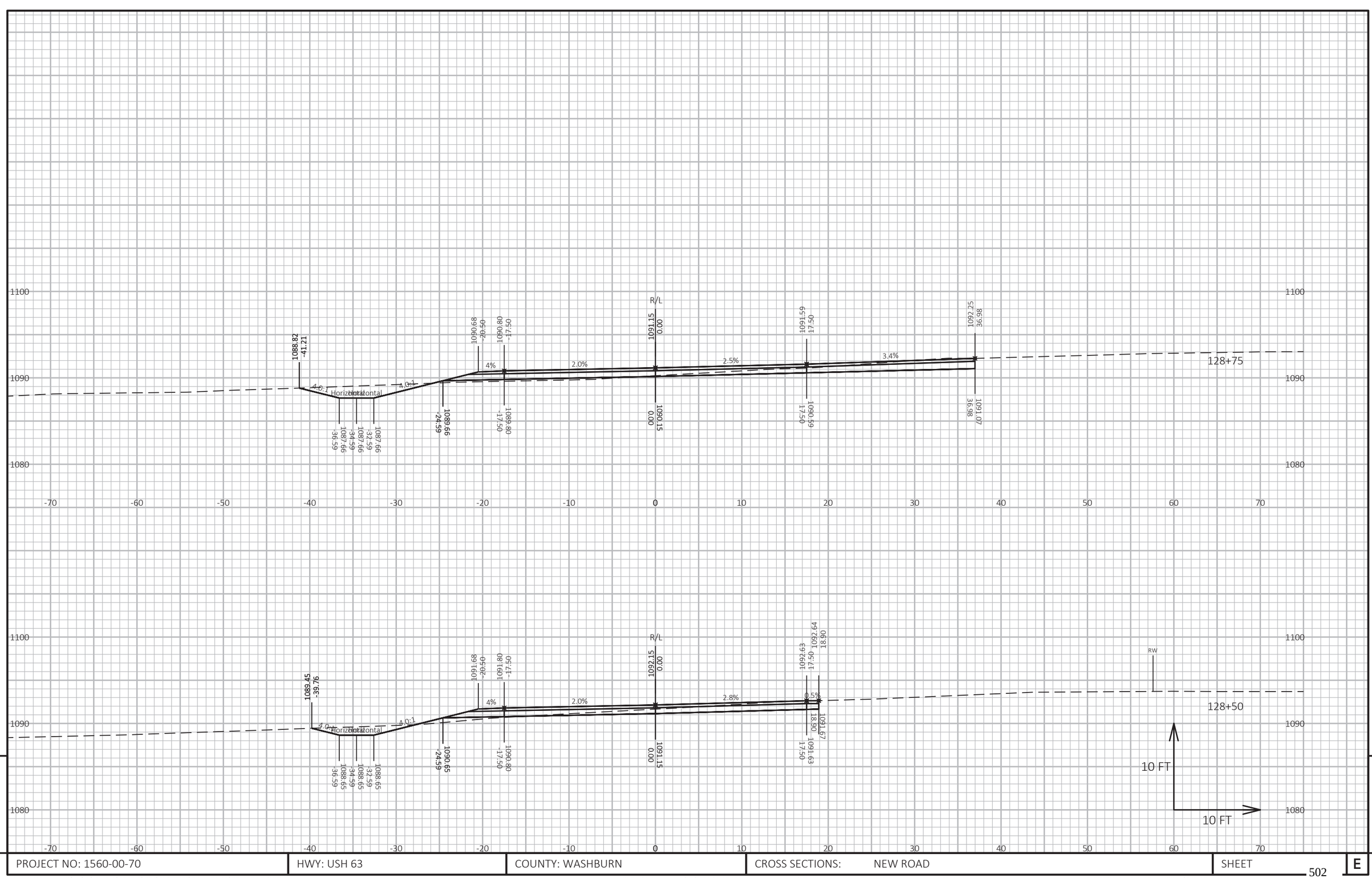
PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: NEW ROAD	SHEET	E

501

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - NEW ROAD 01

PLOT DATE : 7/19/2021 11:46 AM PLOT BY : PAUL STAUFFER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

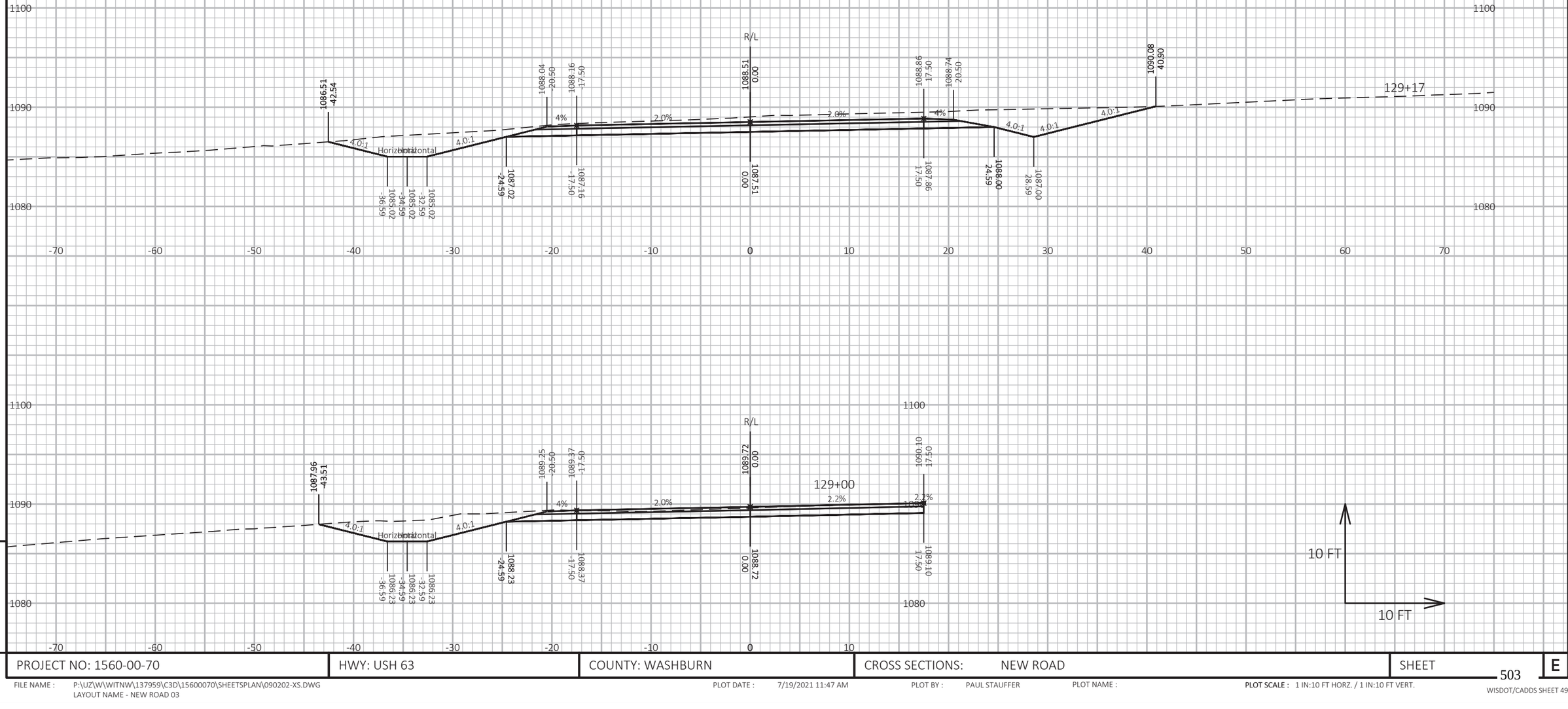
9

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: NEW ROAD	SHEET	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - NEW ROAD 02

PLOT DATE : 7/19/2021 11:47 AM PLOT BY : PAUL STAUFFER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: NEW ROAD	SHEET 503	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - NEW ROAD 03

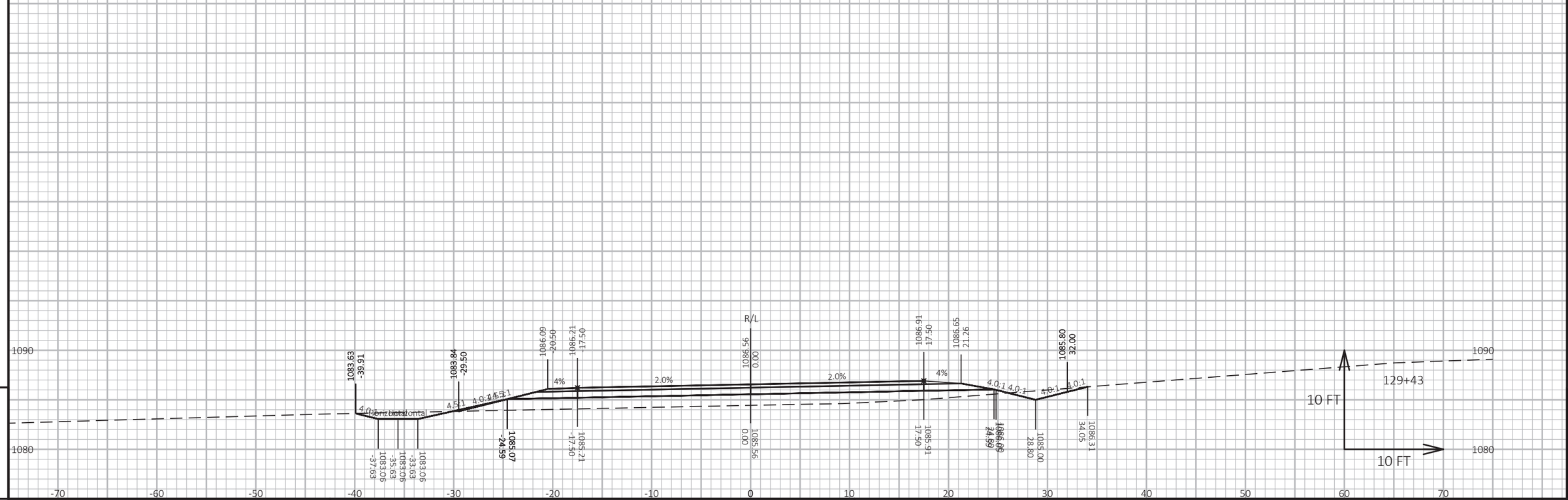
PLOT DATE : 7/19/2021 11:47 AM

PLOT BY : PAUL STAUFFER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1560-00-70	HWY: USH 63	COUNTY: WASHBURN	CROSS SECTIONS: NEW ROAD	SHEET 504	E

FILE NAME : P:\UZ\W\WITNW\137959\C3D\15600070\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - NEW ROAD 04

PLOT DATE : 7/19/2021 11:47 AM

PLOT BY : PAUL STAUFFER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Notes

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
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