WIS

PROJECT ID: 6942-01-72

WITH: N/A

COUNTY: WOOD

NOVEMBER 2025

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 = 220

24

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

WISCONSIN RAPIDS - VESPER

TOWN HALL ROAD TO CTH HH

CTH F

WOOD

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
6942-01-72	WISC 2026042	1

STATE PROJECT NUMBER

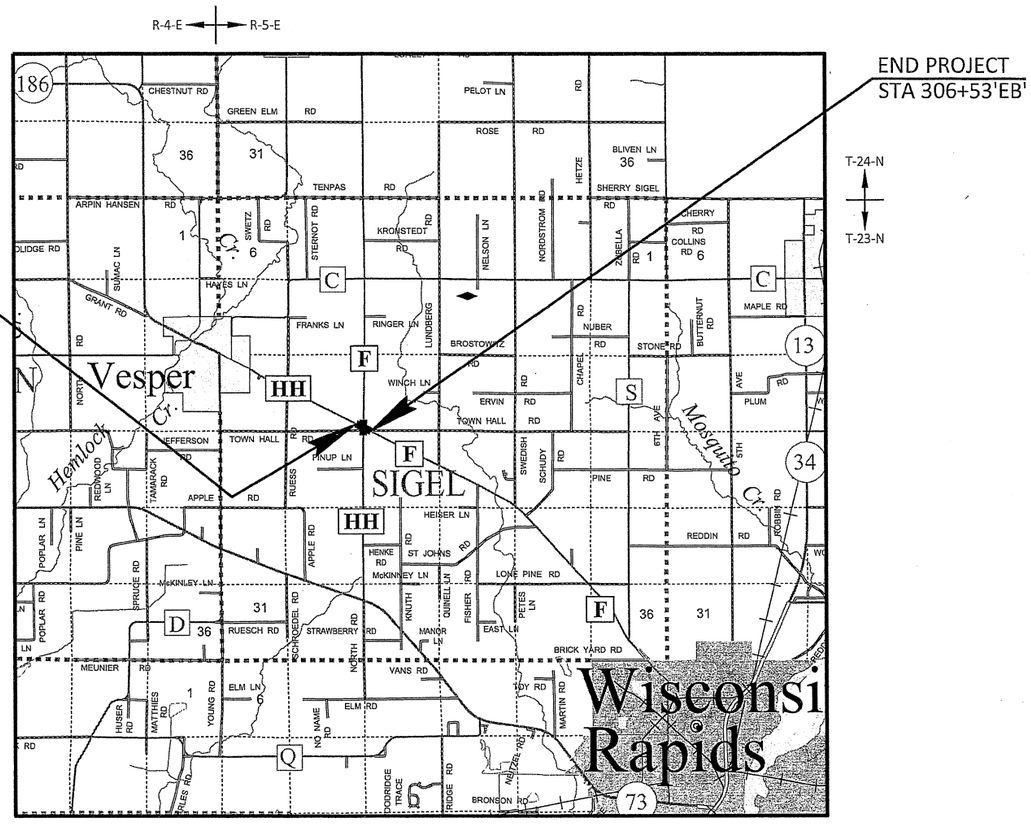
6942-01-72

DESIGN DESIGNATION 6942-01-02

A.A.D.T.	2026	=	1900
A.A.D.T.	2046	=	2000
D.H.V.		=	257
D.D.		=	50/50
T.		=	11.8%
DESIGN SPEED		=	60 MPH
ESALS		=	1,300,000

BEGIN PROJECT
STA 295+09'EB'
Y= 480,216.9747
X= 702,871.5416

END PROJECT
STA 306+53'EB'



LAYOUT

SCALE 0 2 MI

TOTAL NET LENGTH OF CENTERLINE = 0.217 MI

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), WOOD COUNTY NAD83 (2011), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES.

ELEVATIONS ARE REFERENCED TO NAVD 88 (2012). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 12A.

CONVENTIONAL SYMBOLS

PLAN		PROFILE	
CORPORATE LIMITS		GRADE LINE	
PROPERTY LINE		ORIGINAL GROUND	
LOT LINE		MARSH OR ROCK PROFILE (To be noted as such)	ROCK
LIMITED HIGHWAY EASEMENT		SPECIAL DITCH	LABEL
EXISTING RIGHT OF WAY		GRADE ELEVATION	95.36
PROPOSED OR NEW R/W LINE		CULVERT (Profile View)	
SLOPE INTERCEPT		**UTILITIES**	
REFERENCE LINE	300'EB'	ELECTRIC	E
EXISTING CULVERT		FIBER OPTIC	FO
PROPOSED CULVERT (Box or Pipe)		GAS	G
COMBUSTIBLE FLUIDS	CAUTION	SANITARY SEWER	SAN
		STORM SEWER	SS
		TELEPHONE	T
MARSH AREA		WATER	W
		UTILITY PEDESTAL	
		POWER POLE	
WOODED OR SHRUB AREA		TELEPHONE POLE	

ACCEPTED FOR

WOOD COUNTY

Date 7-15-25 (Signature and Title of Official)

ORIGINAL PLANS PREPARED BY

SEH
Building a Better World for All of Us™

Short Elliott Hendrickson Inc.
329 Jay Street, Suite 301
La Crosse, WI 54601-4007
608.782.3161 main | 888.908.8166 fax
www.sehinc.com

WISCONSIN
ALEIGHA J. BURG
45000-6
BROWNSVILLE
MN
PROFESSIONAL ENGINEER

7/15/2025 (Date) (Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	SEH
Designer	SEH
Project Manager	JASON SCHAEFFER
Regional Examiner	NC REGION
Regional Supervisor	DAN ERVA

APPROVED FOR THE DEPARTMENT

DATE: 7/15/2025 (Signature)

E

STANDARD ABREVEATIONS:

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

DNR AREA LIAISON:

WI DEPT OF NATURAL RESOURCES
910 STATE HIGHWAY 54
BLACK RIVER FALLS, WI 54615-5450
ATTENTION: BRAD BETTHAUSER
PHONE: 715.213.9064
EMAIL: BRADLEY.BETTHAUSER@WISCONSIN.GOV

WOOD COUNTY CONTACT:

WOOD CO HWY COMMISSION
555 17TH AVENUE NORTH
WISCONSIN RAPIDS, WI 54495
ATTENTION: ROLAND HAWK
PHONE: 715.421.8875
EMAIL: RHAWK@CO.WOOD.WI.US

WISDOT CONTACT:

WISCONSIN DEPARTMENT OF TRANSPORTATION
510 HANSON LAKE RD
RHINELANDER WI 54501
ATTENTION: JASON SCHAEFFER
PHONE: 751.421.7309
EMAIL: JASON.SCHAEFFER@DOT.WI.GOV

DESIGN CONTACT:

SHORT ELLIOT HENDRICKSON
329 JAY STREET, SUITE 301
LA CROSSE, WI 54601
ATTENTION: ALEIGHA BURG
PHONE: 608.498.4804
EMAIL: ABURG@SEHINC.COM

UTILITIES CONTACT LIST:

ALLIANT ENERGY - ELECTRICITY
2710 JEFFERSON STREET
WISCONSIN RAPIDS, WI 54495
ATTENTION: TRUDI BAKKEN
PHONE: 715.460.4121 (CELL)
EMAIL: TRUDIBAKKEN@ALLIANTENERGY.COM

ATC - ELECTRICITY - TRANSMISSION
2489 RINDEN ROAD
COTTAGE GROVE, WI 53527
ATTENTION: DOUG VOSBERG
PHONE: 608.877.7650
EMAIL: DVOSBERG@ATCLLC.COM

SOLARUS - COMMUNICATION LINE
440 E GRAND AVENUE
WISCONSIN RAPIDS, WI 54494
ATTENTION: DENNIS PIERCE
PHONE: 715.572.0152 (CELL)
EMAIL: PIERCE@SOLARUS.NET

TDS TELECOM - COMMUNICATION LINE
525 JUNCTION RD
MADISON, WI 53717
ATTENTION: RODNEY HEINZ
PHONE: 608.664.4971
EMAIL: RODNEY.HEINZ@TDSTELECOM.COM

WE ENERGIES - GAS/PETROLEUM
1921 8TH STREET S
WISCONSIN RAPIDS, WI 54494
ATTENTION: LARRY KOCH
PHONE: 715.421.9293 (CELL)
EMAIL: LARRY.KOCH@WE-ENERGIES.COM

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

GENERAL NOTES:

1. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.
2. THE CONTRACTOR SHALL NOTIFY DIGGERS HOTLINE AND AFFECTED UTILITIES PRIOR TO THE START OF WORK. ANY LOCAL MUNICIPAL UTILITY WHICH IS NOT A MEMBER OF THE DIGGERS HOTLINE MUST BE CONTACTED SEPARATELY.
3. DISTURBED AREAS, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE TOP SOILED, FERTILIZED, SEEDED AND MATTED OR MULCHED.
4. NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT THE APPROVAL OF THE ENGINEER.
5. CROSS SECTIONS SHOWN INCLUDE THE THICKNESS OF TOPSOIL WHERE REQUIRED. TOPSOIL SHALL BE REPLACED WITH 4-INCH TYPICAL DEPTH.
6. REMOVAL OF EROSION CONTROL DEVICES IS INCLUDED IN THE COST OF THEIR RESPECTIVE BID ITEMS.
7. EROSION CONTROL FEATURES AS SHOWN IN THE PLANS ARE AT APPROXIMATE LOCATIONS. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD. MAINTAIN EROSION CONTROL MEASURES UNTIL SUCH A TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY.
8. PIPE ELEVATIONS, LENGTHS AND LOCATIONS AS SHOWN ON THE PLANS, MAY BE ADJUSTED TO FIT EXISTING FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.
9. THE CONTRACTOR'S PAVING OPERATION SHALL BE CONSISTENT WITH THE TYPICAL SECTIONS AND CONSTRUCTED TO PREVENT LONGITUDINAL JOINTS FROM BEING LOCATED WITHIN A DRIVING, TURNING, PASSING, OR PARKING LANE.
10. SAWCUTS SHALL BE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER TO BETTER SUIT FIELD CONDITIONS.
11. TRAFFIC CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.
12. PRIOR TO ORDERING DRAINAGE PIPES, THE CONTRACTOR SHALL FIELD VERIFY RELATED DRAINAGE INFORMATION IN THE PLAN WITH THE ENGINEER.
13. WETLANDS, WATERWAYS, AND OTHER ENVIRONMENTALLY SENSITIVE AREAS SHALL BE PROTECTED AT ALL TIMES. DO NOT USE FERTILIZER, DRIVE OR STORE EQUIPMENT, OR STORE CONSTRUCTION MATERIALS NEAR THESE SITES UNLESS APPROVED BY ENGINEER.
14. A CONVERSION FACTOR OR 2.0 TONS/CY IS USED TO ESTIMATE QUANTITIES FOR BAD 1 ¼ INCH AND 2.1 TONS/CY FOR BAD ¾ INCH.
15. HMA PAVEMENT WEIGHT CALCULATIONS ARE BASED ON 112 LBS/SY/IN.

RUNOFF COEFFICIENTS:

	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 STRIPTURF:	.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 SLOPETURF:			.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 = 5.202 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 4.180 ACRES

BORING LOG:

BORING NO.	LOCATION	ASPHALTIC PAVEMENT DEPTH (IN)	BASE DEPTH (IN)	SUBBASE MATERIAL
B-1	WEST LEG OF INTERSECTION	10	3	SAND
B-2	SOUTH LEG OF INTERSECTION	5	5	SAND
B-3	EAST LEG OF INTERSECTION	5	3	SAND
B-4	NE DITCH	-	-	SAND
B-5	SE DITCH	-	-	CLAY

ORDER OF SHEETS, SECTION 2:

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
PLAN DETAILS
PAVING DETAILS
EROSION CONTROL
STORM SEWER DETAILS
PERMANENT SIGNING - REMOVALS
PERMANENT SIGNING
LIGHTING PLAN
PAVEMENT MARKING
TRAFFIC CONTROL
ALIGNMENT DETAILS

2

N

END CONSTRUCTION
STA 106+22'NB'

HMA - WORK BY OTHERS

HMA - WORK BY OTHERS

HAZARDOUS MATERIALS SITE
(FORMER 8 CORNERS BAR PROPERTY)

BEGIN PROJECT
STA 295+09'EB'

END PROJECT
STA 306+53'EB'

BEGIN CONSTRUCTION
STA 19+40'TH'

HMA - WORK BY OTHERS

HMA - WORK BY OTHERS

BEGIN CONSTRUCTION
STA 95+48'NB'

CTH HH

CTH F

TOWN HALL RD

TOWN HALL RD

18'TH'

106'NB'

102'NB'

100'NB'

98'NB'

96'NB'

295'EB'

300'EB'

302'FB'

304'EB'

306'EB'

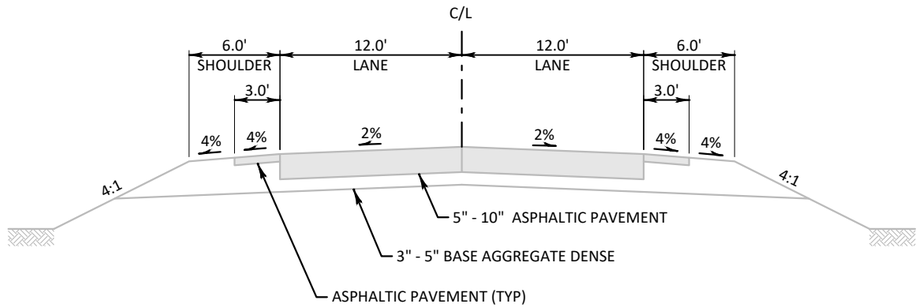
BLDG

PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	PROJECT OVERVIEW	SHEET 3	E

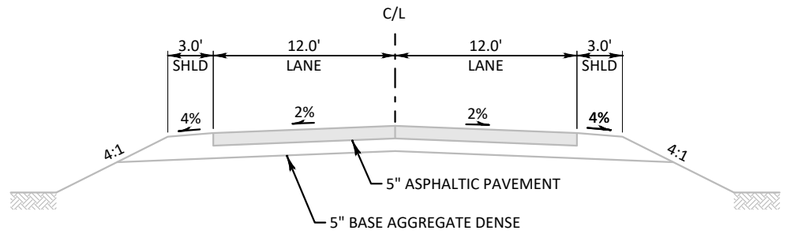
FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 02 TYP SEC & DETAILS\020201-PO.DWG
LAYOUT NAME - 01

PLOT DATE : 7/14/2025 12:25 PM PLOT BY : GARY ELLIAS PLOT NAME : PLOT SCALE : 1.0 IN = 150.0 FT

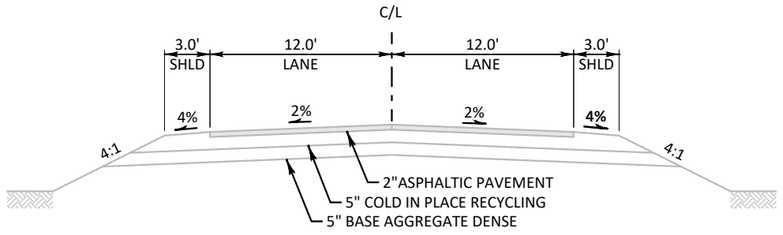
WISDOT/CADDS SHEET 42



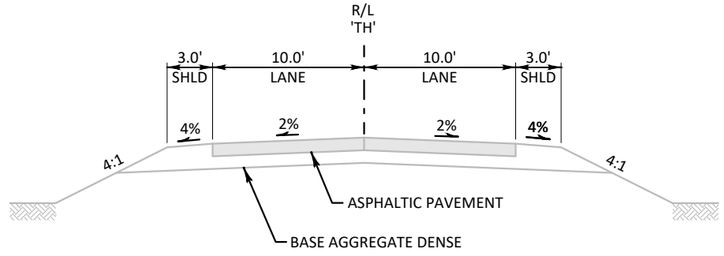
TYPICAL EXISTING SECTION
CTH HH (WEST) & CTH F (EAST)
STA 295+09'EB' TO STA 306+53'EB'



TYPICAL EXISTING SECTION
CTH HH (SOUTH)
STA 94+48'NB' TO STA 101+50'NB'

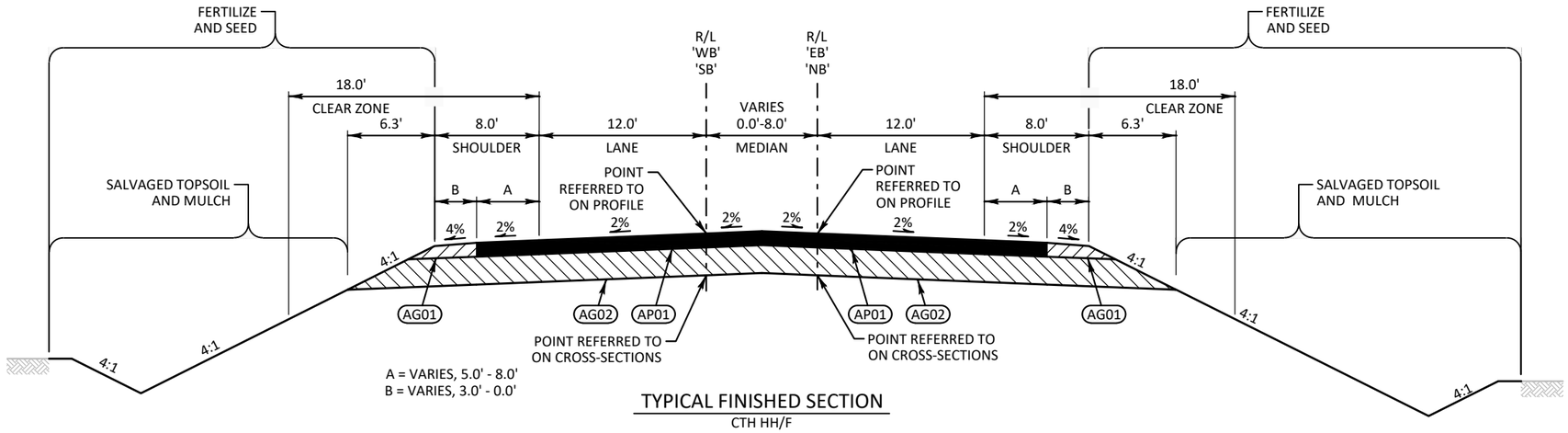


TYPICAL EXISTING SECTION
CTH F (NORTH)
STA 101+50'NB' TO STA 106+22'NB'



TYPICAL EXISTING SECTION
TOWN HALL RD
STA 19+40'TH' TO STA 20+00'TH'

PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	TYPICAL SECTIONS	SHEET 4	E

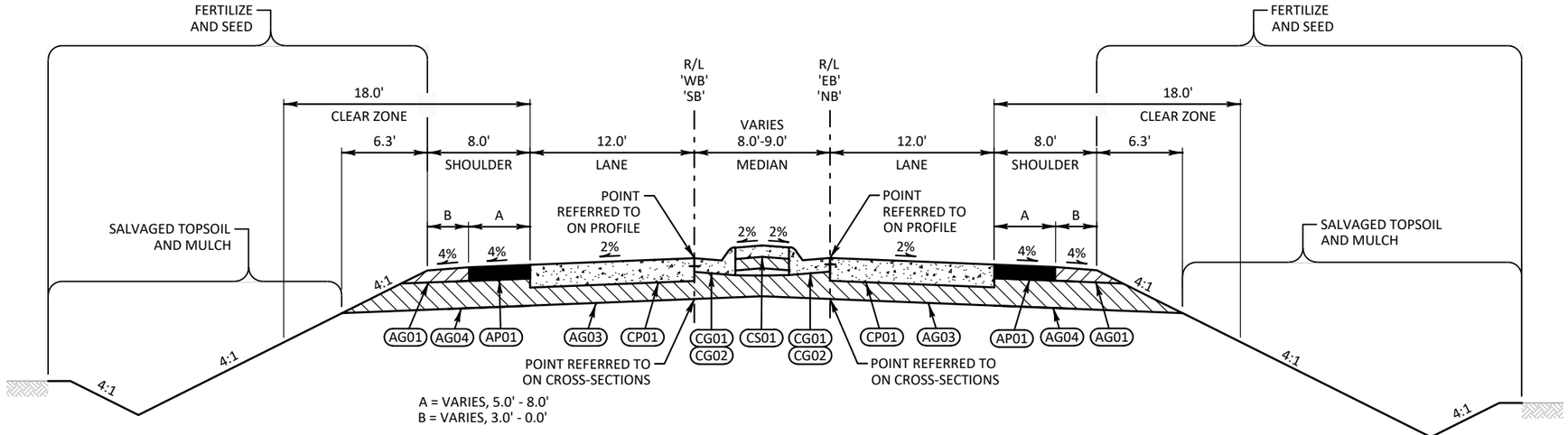


A = VARIES, 5.0' - 8.0'
B = VARIES, 3.0' - 0.0'

TYPICAL FINISHED SECTION

CTH HH/F

STA 295+09'EB' TO STA 297+50'EB'
STA 304+20'EB' TO STA 306+53'EB'
STA 95+48'NB' TO STA 97+67'NB'
STA 104+23'NB' TO STA 106+22'NB'

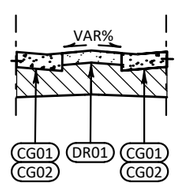


A = VARIES, 5.0' - 8.0'
B = VARIES, 3.0' - 0.0'

TYPICAL FINISHED SECTION

CTH HH/F

STA 297+50'EB' TO STA 298+90'EB'
STA 302+96'EB' TO STA 304+20'EB'
STA 97+67'NB' TO STA 98+48'NB'
STA 102+70'NB' TO STA 104+23'NB'



TYPICAL FINISHED SECTION

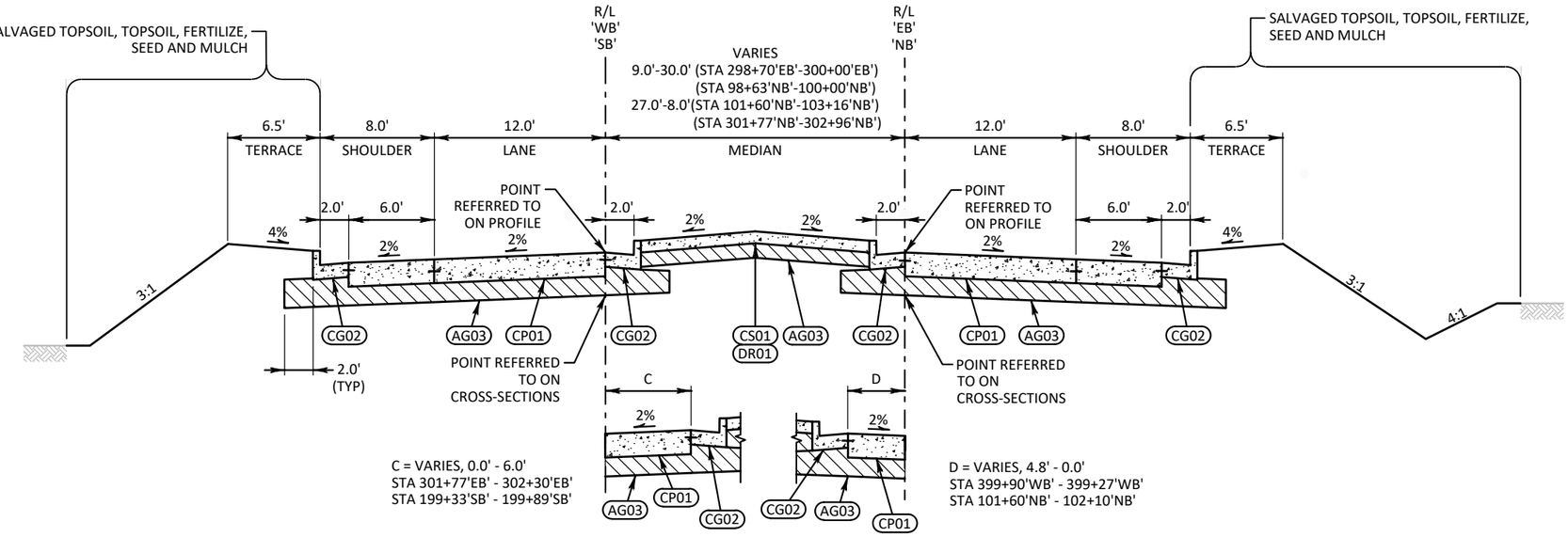
CTH HH/F - MEDIAN DRIVEWAY

STA 198+37'SB' TO STA 199+05'SB'
STA 202+87'SB' TO STA 203+93'SB'
STA 298+34'EB' TO STA 298+82'EB'

KEYNOTE LEGEND

AG01	5.0" BASE AGGREGATE DENSE 3/4-INCH
AG02	15" BASE AGGREGATE DENSE 1 1/4-INCH
AG03	6.0" BASE AGGREGATE DENSE 1 1/4-INCH
AG04	8.0" BASE AGGREGATE DENSE 1 1/4-INCH
AP01	5.0-INCH HMA PAVEMENT (WORK BY OTHERS) UPPER: 2.25" - 4 MT 58-28 H LOWER: 2.75" - 3 MT 58-28 S
CG01	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
CG02	CONCRETE CURB & GUTTER 30-INCH TYPE A
CP01	CONCRETE PAVEMENT 7-INCH
CS01	CONCRETE SIDEWALK 4-INCH
DR01	CONCRETE DRIVEWAY 8-INCH

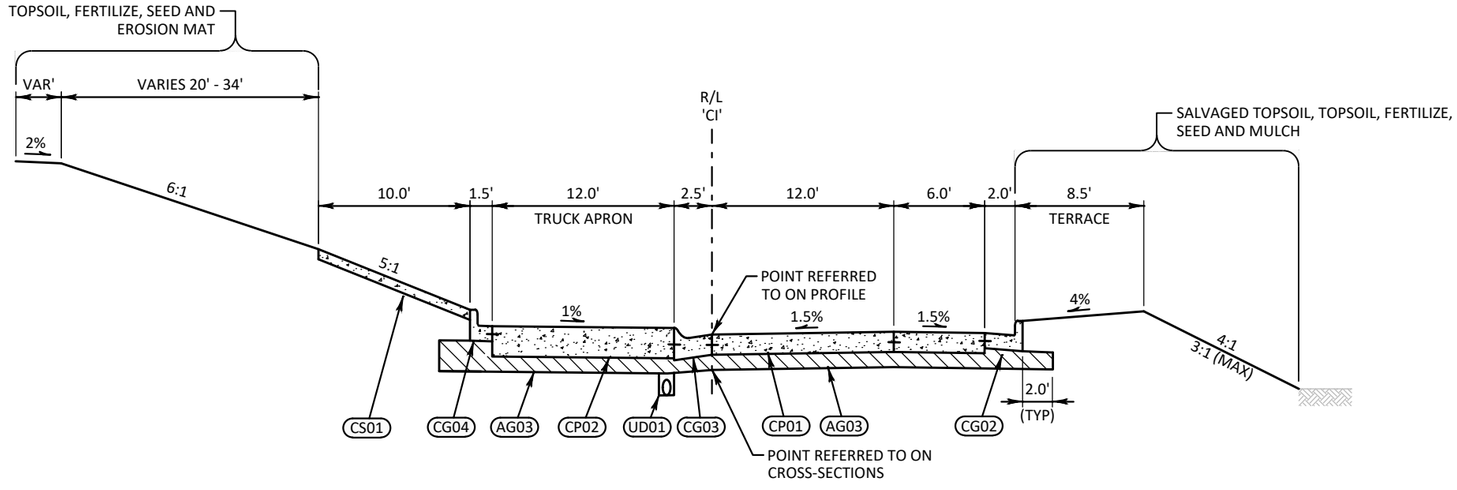
PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	TYPICAL SECTIONS	SHEET 5 E



TYPICAL FINISHED SECTION

CTH HH/F

STA 298+90'EB' TO STA 300+00'EB'
STA 301+75'EB' TO STA 302+96'EB'
STA 98+48'NB' TO STA 100+00'NB'
STA 101+60'NB' TO STA 102+70'NB'



TYPICAL FINISHED HALF-SECTION

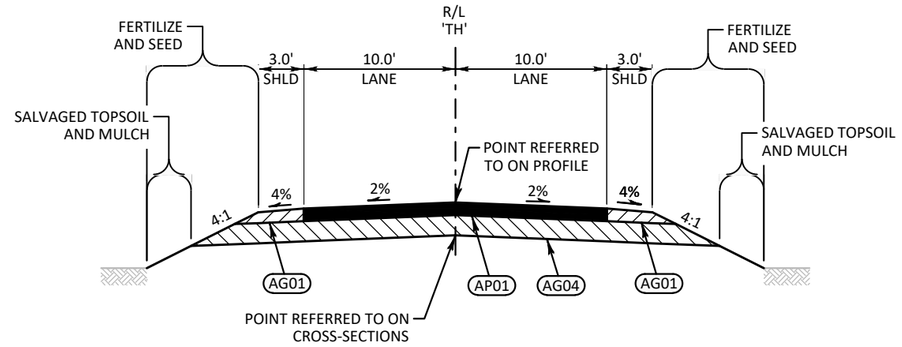
ROUNDABOUT

STA 7+96'CI' TO STA 12+04'CI'

KEYNOTE LEGEND

AG03	6.0" BASE AGGREGATE DENSE 1 1/4-INCH
CP01	CONCRETE PAVEMENT 7-INCH
CP02	CONCRETE TRUCK APRON 12-INCH
CG02	CONCRETE CURB & GUTTER 30-INCH TYPE A
CG03	CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R
CG04	CONCRETE CURB & GUTTER 18-INCH TYPE A
CS01	CONCRETE SIDEWALK 4-INCH
UD01	PIPE UNDERDRAIN 6-INCH

PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	TYPICAL SECTIONS	SHEET 6 E



KEYNOTE LEGEND

AG01	5.0" BASE AGGREGATE DENSE 3/4-INCH
AG04	8.0" BASE AGGREGATE DENSE 1 1/4-INCH
AP01	5.0-INCH HMA PAVEMENT (WORK BY OTHERS) UPPER: 2.25" - 4 MT 58-28 H LOWER: 2.75" - 3 MT 58-28 S

TYPICAL FINISHED SECTION

TOWN HALL RD

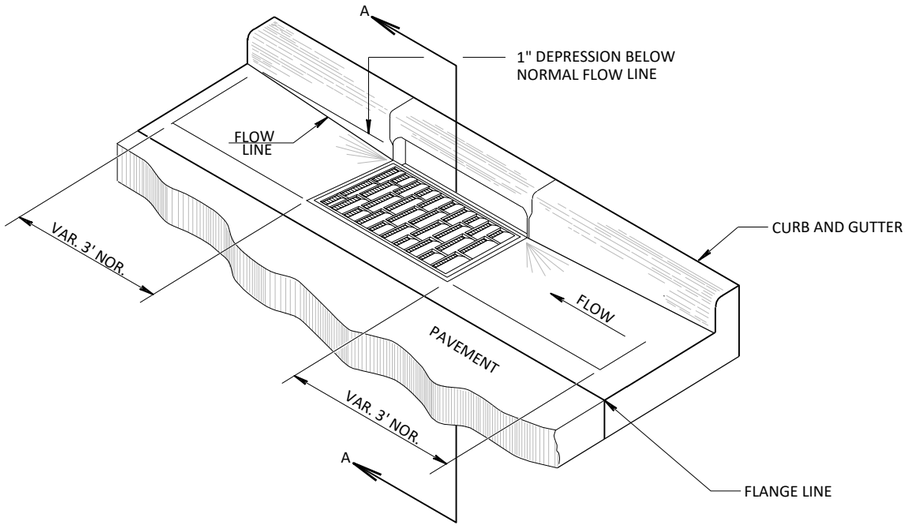
STA 19+40'TH' TO STA 20+00'TH'

2

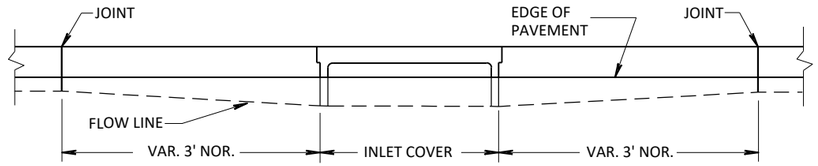
PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	TYPICAL SECTIONS	SHEET 7 E

FILE NAME : X:\UZ\W\WOODC\170956\5-final-dsgn\51-drawings\40-TransHwy\C3D-CTH F\sheets\SEC 02 Typ Sec & Details\020301-ts (typical sections).dwg
PLOT DATE : 9/15/2025 11:15 AM
PLOT BY : SEH
LAYOUT NAME : 04
PLOT SCALE : 1.0 IN = 10.0 FT
WISDOT/CADDS SHEET 42

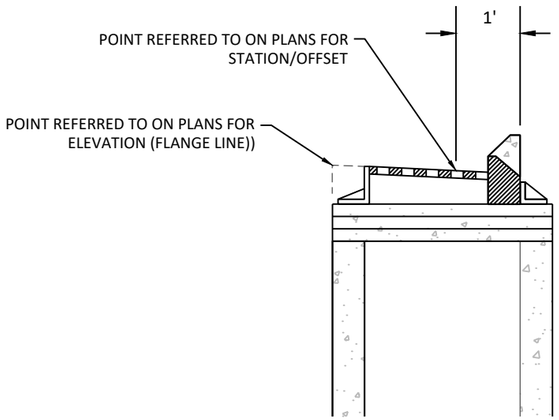
2



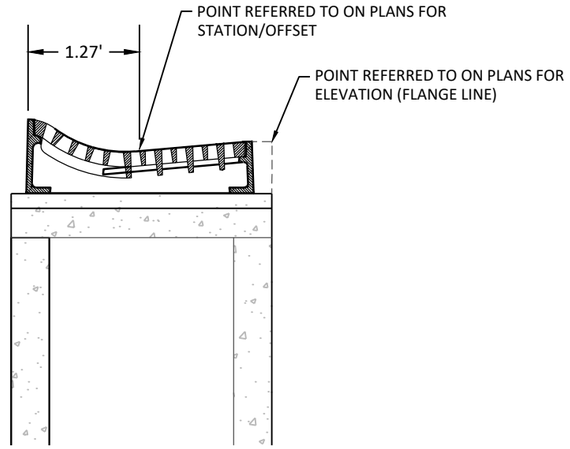
INLET



ELEVATION



SECTION A - A
TYPE "HM/H"

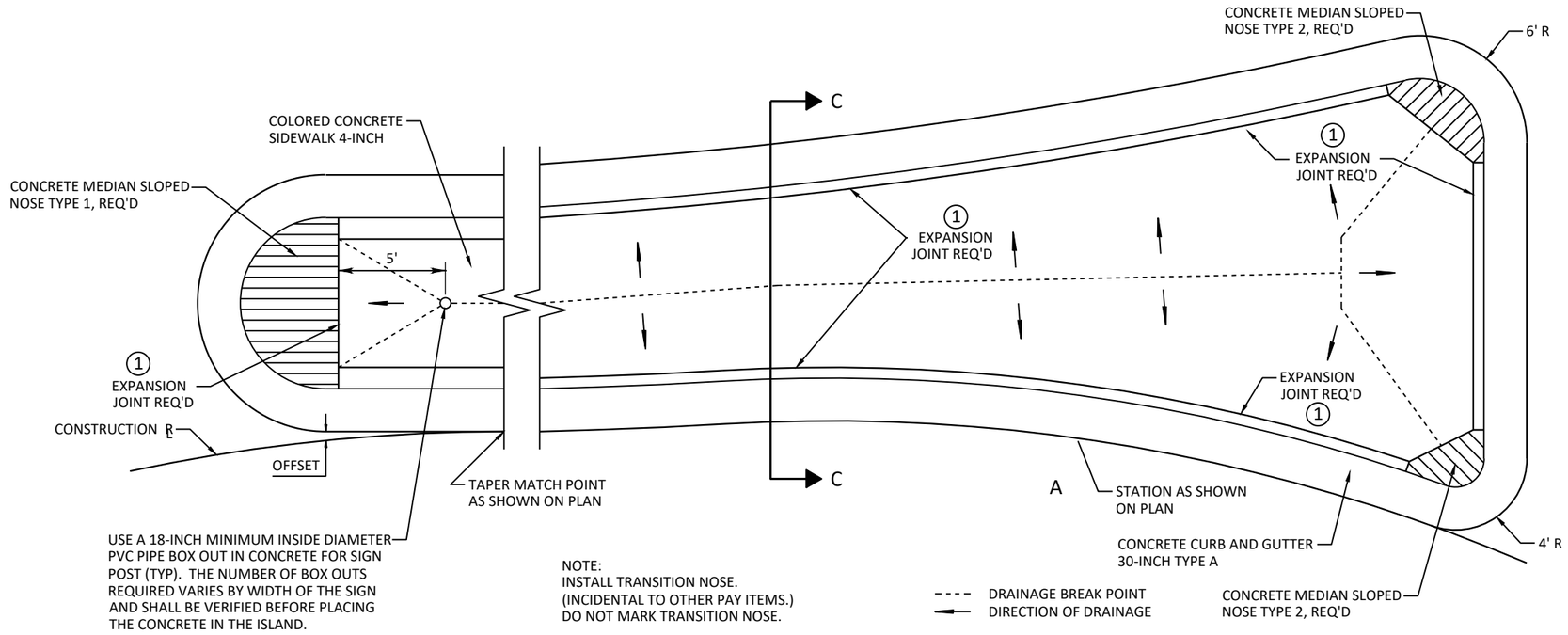


SECTION A - A
TYPE "T"

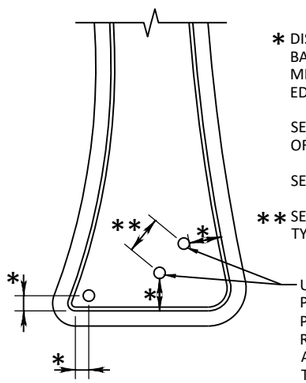
TYPICAL GUTTER PAN DEPRESSION AT INLETS

PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CONSTRUCTION DETAILS	SHEET 8	E

2



(1) EXPANSION MATERIAL TO BE 1" LONGER THAN ABUTTING MEDIAN CONCRETE THICKNESS. (I.E. 6" IN HEIGHT WHEN ADJACENT TO CONCRETE SIDEWALK 5-INCH)



* DISTANCE TO LAID OUT IN THE FIELD BASED ON SIGN SIZE. TWO FOOT MINIMUM CLEARANCE BETWEEN THE EDGE OF SIGN AND THE FACE OF CURB.

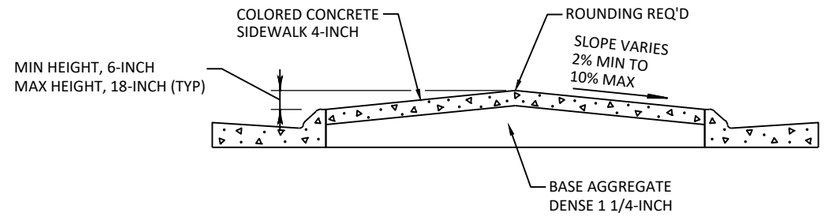
SEE A4-3 SIGN PLATE FOR "TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POST"

SEE A4-3B SIGN PLATE "SIGN POST BOX-OUTS"

** SEE A4-4 SIGN PLATE "TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE SUPPORTS"

USE A 18-INCH MINIMUM INSIDE DIAMETER PVC PIPE BOX OUT IN CONCRETE FOR SIGN POST (TYP). THE NUMBER OF BOX OUTS REQUIRED VARIES BY WIDTH OF THE SIGN AND SHALL BE VERIFIED BEFORE PLACING THE CONCRETE IN THE ISLAND.

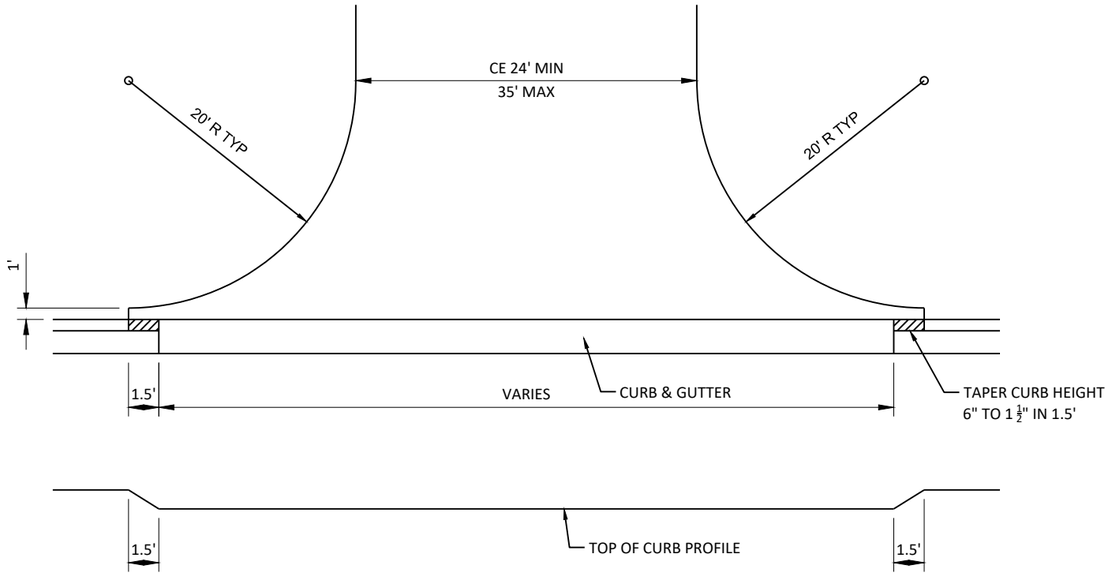
TYPICAL ISLAND SIGN LOCATION



SECTION C-C

TYPICAL CONCRETE SPLITTER ISLAND

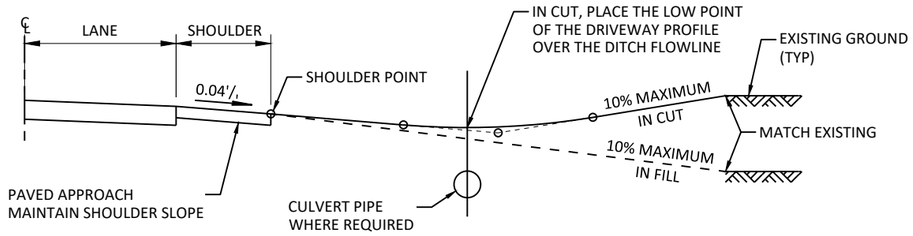
PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CONSTRUCTION DETAILS	SHEET 9	E



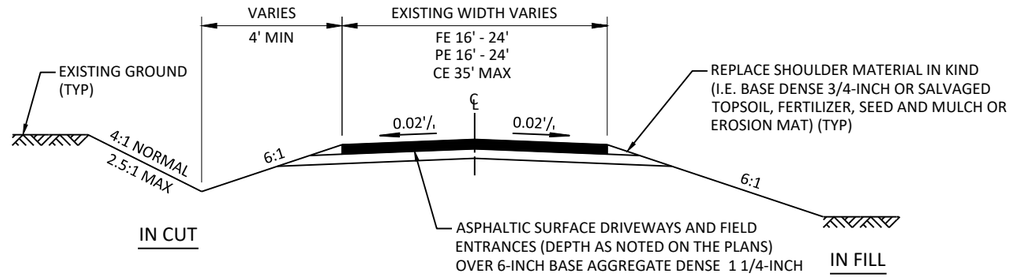
NOTE:
NON-PAVED DRIVEWAYS SHALL CONSIST OF 6" BASE AGGREGATE DENSE 3/4-INCH.

COMMERCIAL ENTRANCE ASPHALTIC DRIVEWAYS SHALL CONSIST OF 5" ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES OVER 12" BASE AGGREGATE DENSE 1 1/4-INCH.

TYPICAL COMMERCIAL ENTRANCE

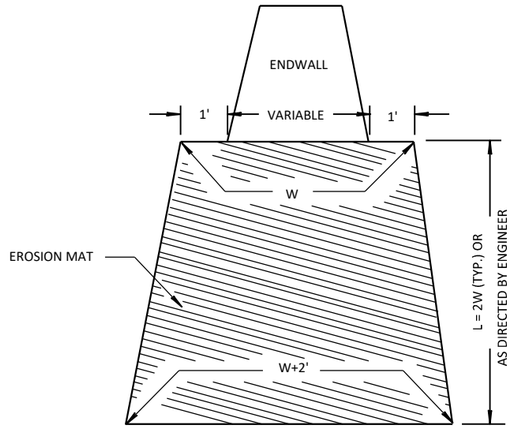


TYPICAL DRIVEWAY PROFILE

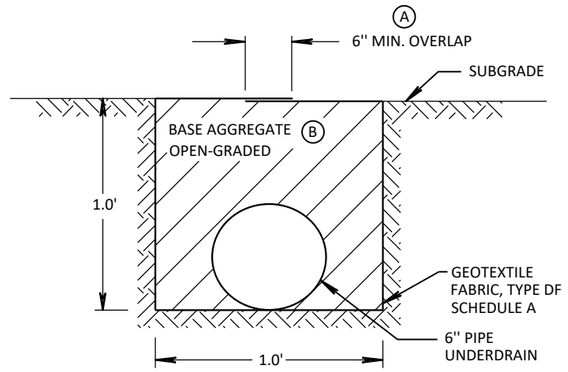


TYPICAL CROSS SECTION FOR DRIVEWAYS

2



EROSION MAT TREATMENT AT CULVERTS



NOTES:

(A) FABRIC SHALL OVERLAP AT TOP OF SUBGRADE.
6-INCH MINIMUM OVERLAP

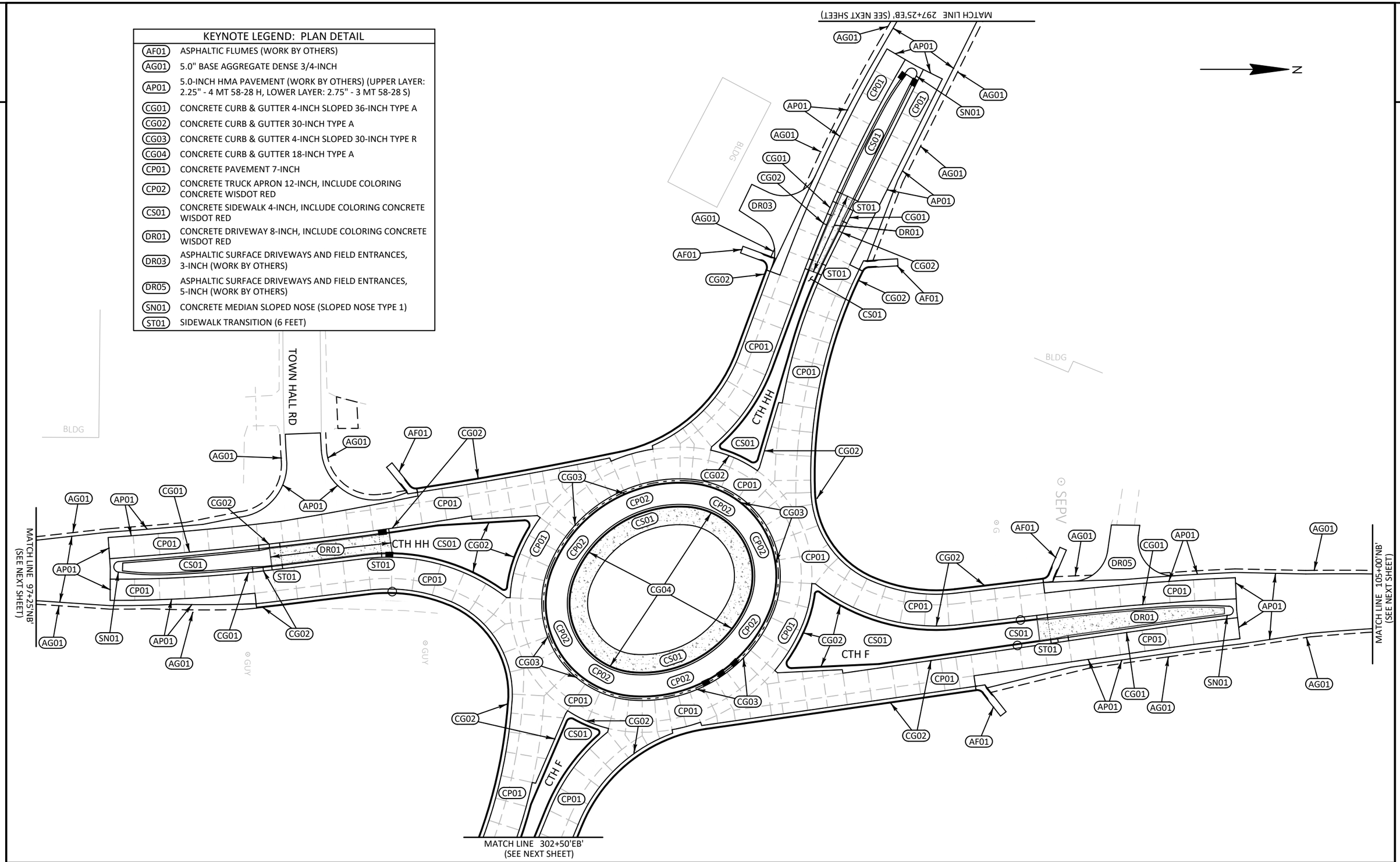
PIPE UNDERDRAIN SHALL BE LAID PARALLEL TO THE GRADE OF THE ROADWAY.

PLACE UNDERDRAIN AFTER EXCAVATION OF SUBGRADE AND PRIOR TO THE PLACEMENT OF BASE LAYERS.

(B) TRENCH BACKFILL WILL BE PAID FOR AS "BASE AGGREGATE OPEN-GRADED".

PIPE UNDERDRAIN 6-INCH

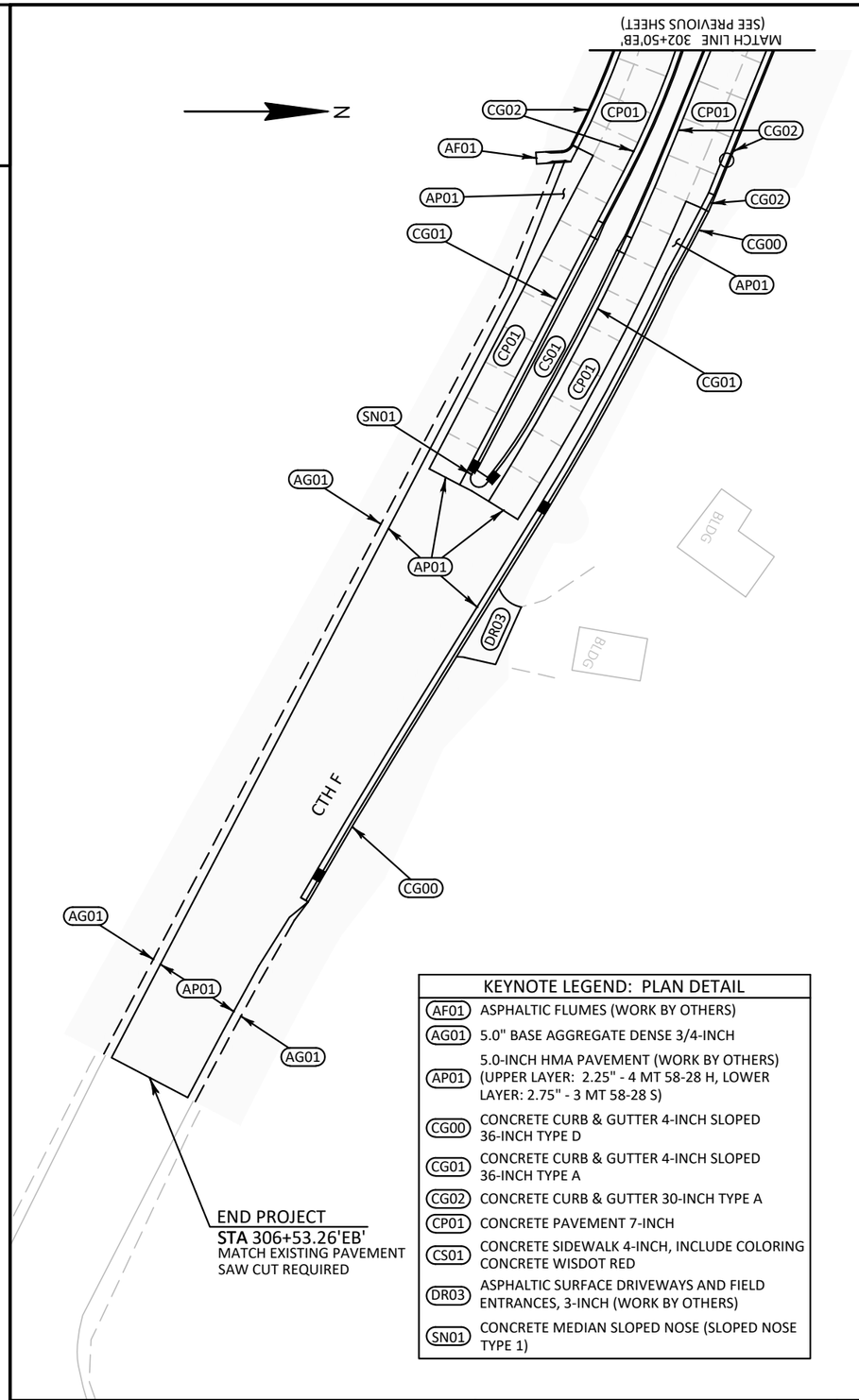
KEYNOTE LEGEND: PLAN DETAIL	
AF01	ASPHALTIC FLUMES (WORK BY OTHERS)
AG01	5.0" BASE AGGREGATE DENSE 3/4-INCH
AP01	5.0-INCH HMA PAVEMENT (WORK BY OTHERS) (UPPER LAYER: 2.25" - 4 MT 58-28 H, LOWER LAYER: 2.75" - 3 MT 58-28 S)
CG01	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
CG02	CONCRETE CURB & GUTTER 30-INCH TYPE A
CG03	CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R
CG04	CONCRETE CURB & GUTTER 18-INCH TYPE A
CP01	CONCRETE PAVEMENT 7-INCH
CP02	CONCRETE TRUCK APRON 12-INCH, INCLUDE COLORING CONCRETE WISDOT RED
CS01	CONCRETE SIDEWALK 4-INCH, INCLUDE COLORING CONCRETE WISDOT RED
DR01	CONCRETE DRIVEWAY 8-INCH, INCLUDE COLORING CONCRETE WISDOT RED
DR03	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 3-INCH (WORK BY OTHERS)
DR05	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 5-INCH (WORK BY OTHERS)
SN01	CONCRETE MEDIAN SLOPED NOSE (SLOPED NOSE TYPE 1)
ST01	SIDEWALK TRANSITION (6 FEET)

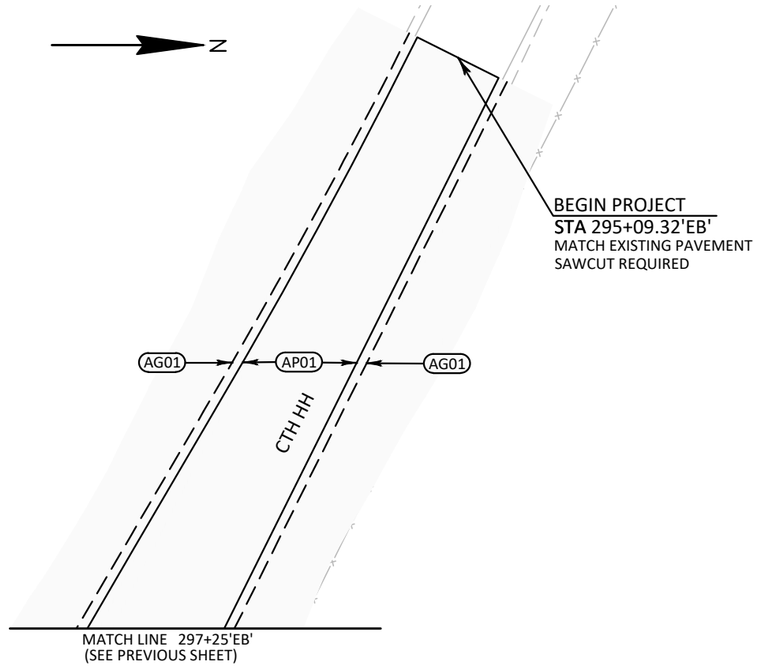


2

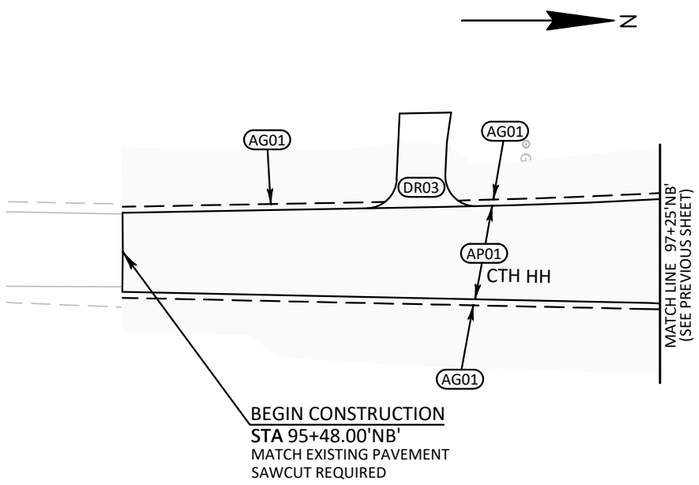
PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	PLAN DETAILS	SHEET 12	E

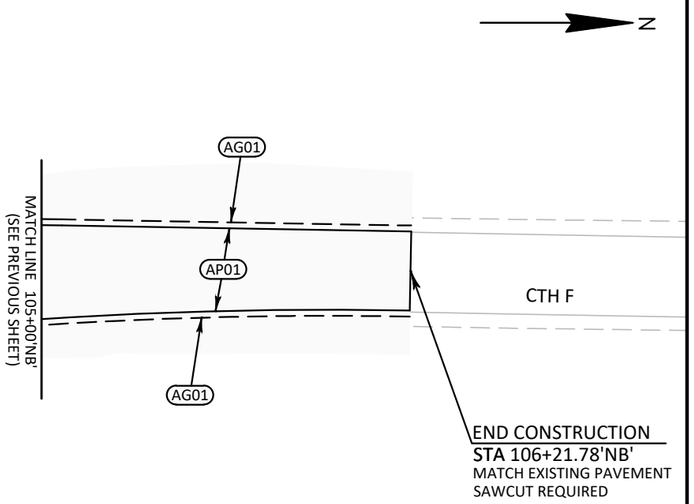
FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 02 TYP SEC & DETAILS\021200-PD (PLAN DETAILS).DWG
PLOT DATE : 7/14/2025 2:34 PM
PLOT BY : SEH
LAYOUT NAME : 01
PLOT SCALE : 1.0 IN = 50.0 FT
WISDOT/CADDS SHEET 42





KEYNOTE LEGEND: PLAN DETAIL	
AF01	ASPHALTIC FLUMES (WORK BY OTHERS)
AG01	5.0" BASE AGGREGATE DENSE 3/4-INCH
AP01	5.0-INCH HMA PAVEMENT (WORK BY OTHERS) (UPPER LAYER: 2.25" - 4 MT 58-28 H, LOWER LAYER: 2.75" - 3 MT 58-28 S)
CG00	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D
CG01	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
CG02	CONCRETE CURB & GUTTER 30-INCH TYPE A
CP01	CONCRETE PAVEMENT 7-INCH
CS01	CONCRETE SIDEWALK 4-INCH, INCLUDE COLORING CONCRETE WISDOT RED
DR03	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 3-INCH (WORK BY OTHERS)
SN01	CONCRETE MEDIAN SLOPED NOSE (SLOPED NOSE TYPE 1)





2

MATCH LINE 297+25'EB' (SEE NEXT SHEET)

ISLAND-CG-FLAG-EB-ENTRY-WIDENING

ISLAND-CG-FLAG-SB-EXIT-WIDENING

ISLAND-CG-FLAG-WB-EXIT-WIDENING

CR - RDBT-EB-SW-CG

CR - RDBT-NB-SE-CG

CR - RDBT-WB-NE-CG

RDBT-CTH HH-CTH F-CO

CR - RDBT-SB-NW-CG

CROWN CIRCLE (TYP)
12.0' OFFSET FROM 'CI'

ISLAND-CG-FLAG-NB-ENTRY-WIDENING

ISLAND-CG-FLAG-EB-EXIT-WIDENING

ISLAND-CG-FLAG-NB-EXIT-WIDENING

ISLAND-CG-FLAG-SB-ENTRY-WIDENING

CR TOWN HALL - NW

CR TOWN HALL - SW

22.0' CURB CUT REQ'D
STA 99+00'NB',RT
(FOR VACANT LOT ACCESS)

6.0' TRANSITION

CTH HH

CTH F

TOWN HALL RD

BLDG

MATCH LINE 97+25'NB'
(SEE NEXT SHEET)

MATCH LINE 302+50'EB'
(SEE NEXT SHEET)

MATCH LINE 105+00'NB'
(SEE NEXT SHEET)

N

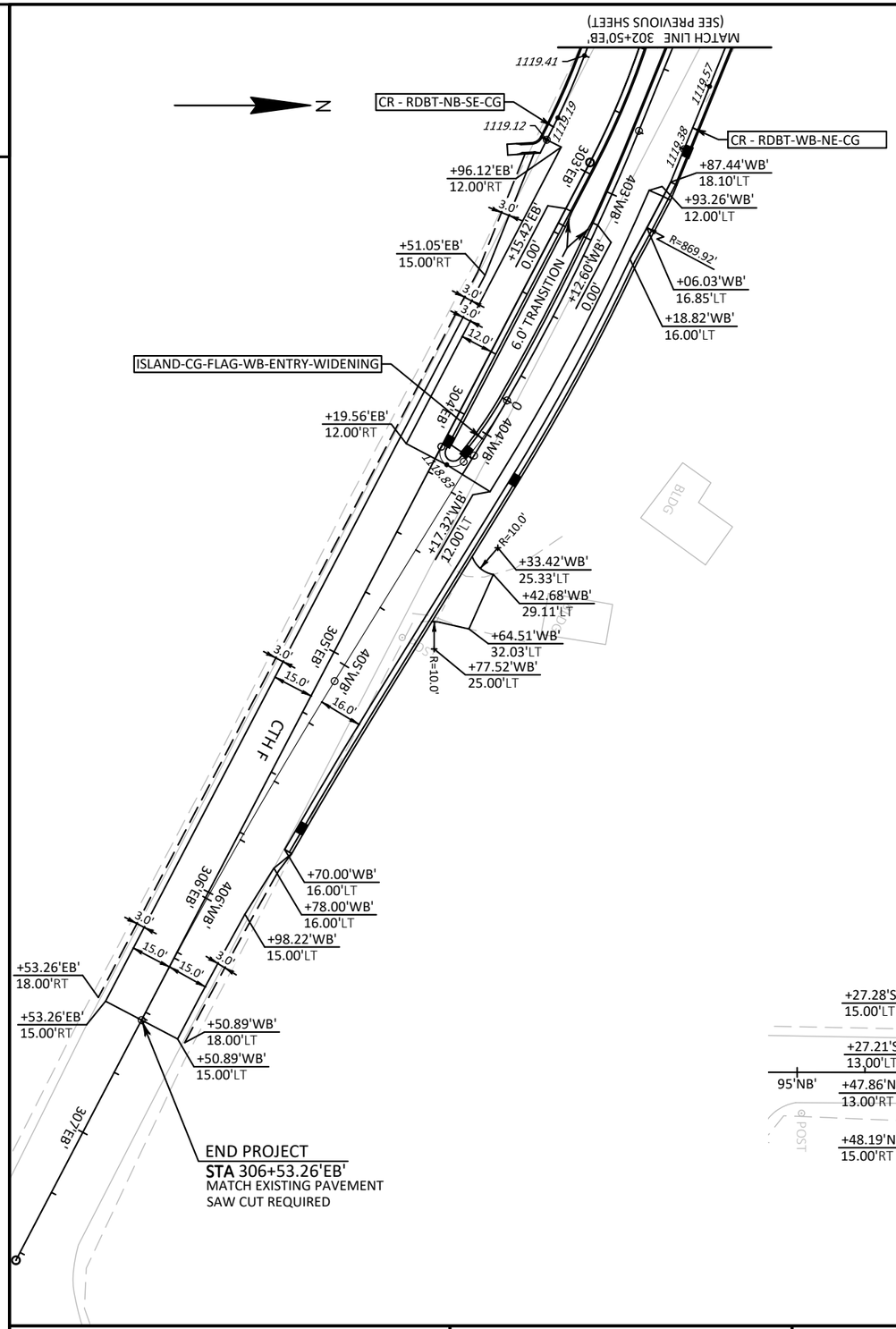
DRAWING NOTE:

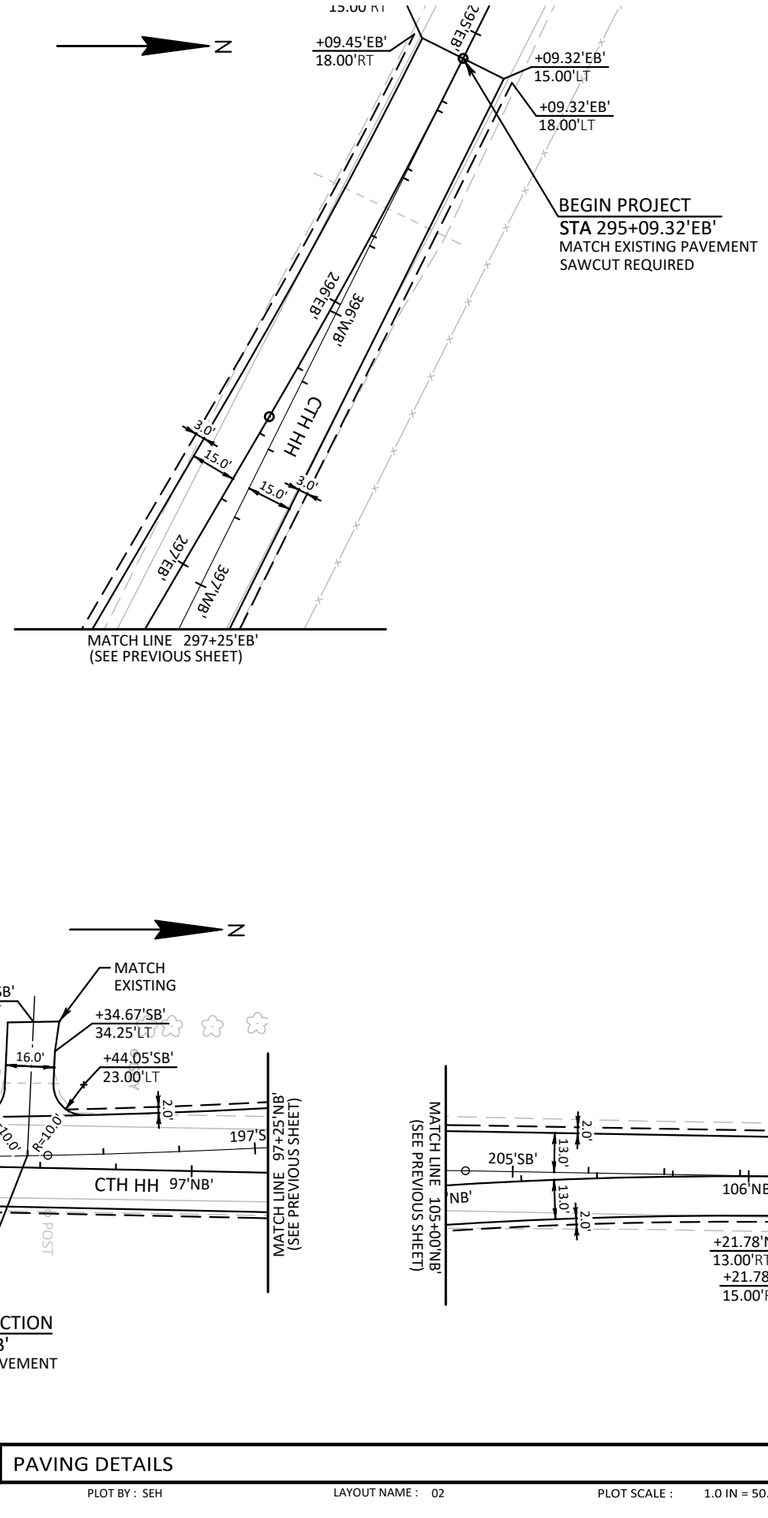
GRADES ON ALIGNMENTS WITH PROFILES ARE SHOWN ON THE PLAN AND PLAN AND PROFILE SHEETS.

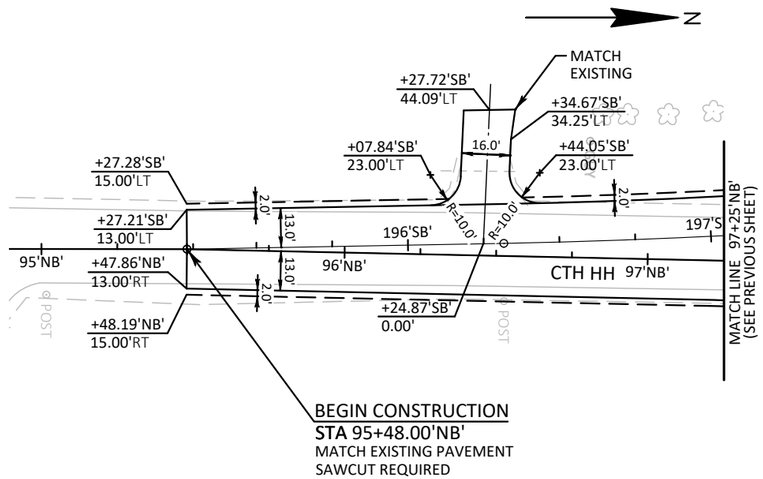
ALIGNMENT MODEL NAMES ARE DENOTED WITH BOXED TEXT LEADERS.

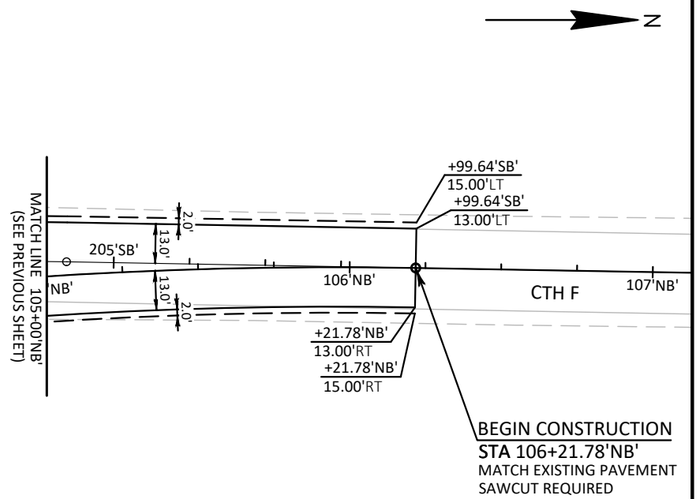
PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	PAVING DETAILS	SHEET 14	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 02 TYP SEC & DETAILS\021200-PD (PAVING DETAILS).DWG
PLOT DATE : 7/14/2025 12:26 PM
PLOT BY : SEH
LAYOUT NAME : 01
PLOT SCALE : 1.0 IN = 50.0 FT
WISDOT/CADDS SHEET 42









PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	PAVING DETAILS	SHEET 15	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 02 TYP SEC & DETAILS\021200-PD (PAVING DETAILS).DWG
PLOT DATE : 7/14/2025 12:26 PM
PLOT BY : SEH
LAYOUT NAME : 02
PLOT SCALE : 1.0 IN = 50.0 FT
WISDOT/CADDS SHEET 42

2

EROSION CONTROL NOTES:

PLACE SALVAGED TOPSOIL, SEED, FERTILIZER AND MULCH WITHIN ANY SURFACE SLOPE INTERCEPT AREAS THAT DO NOT USE EROSION MAT.

DO NOT DRIVE EQUIPMENT OR STORE EQUIPMENT OR MATERIALS IN WETLANDS (THAT ARE DESIGNATED TO REMAIN) OR WATERWAYS.

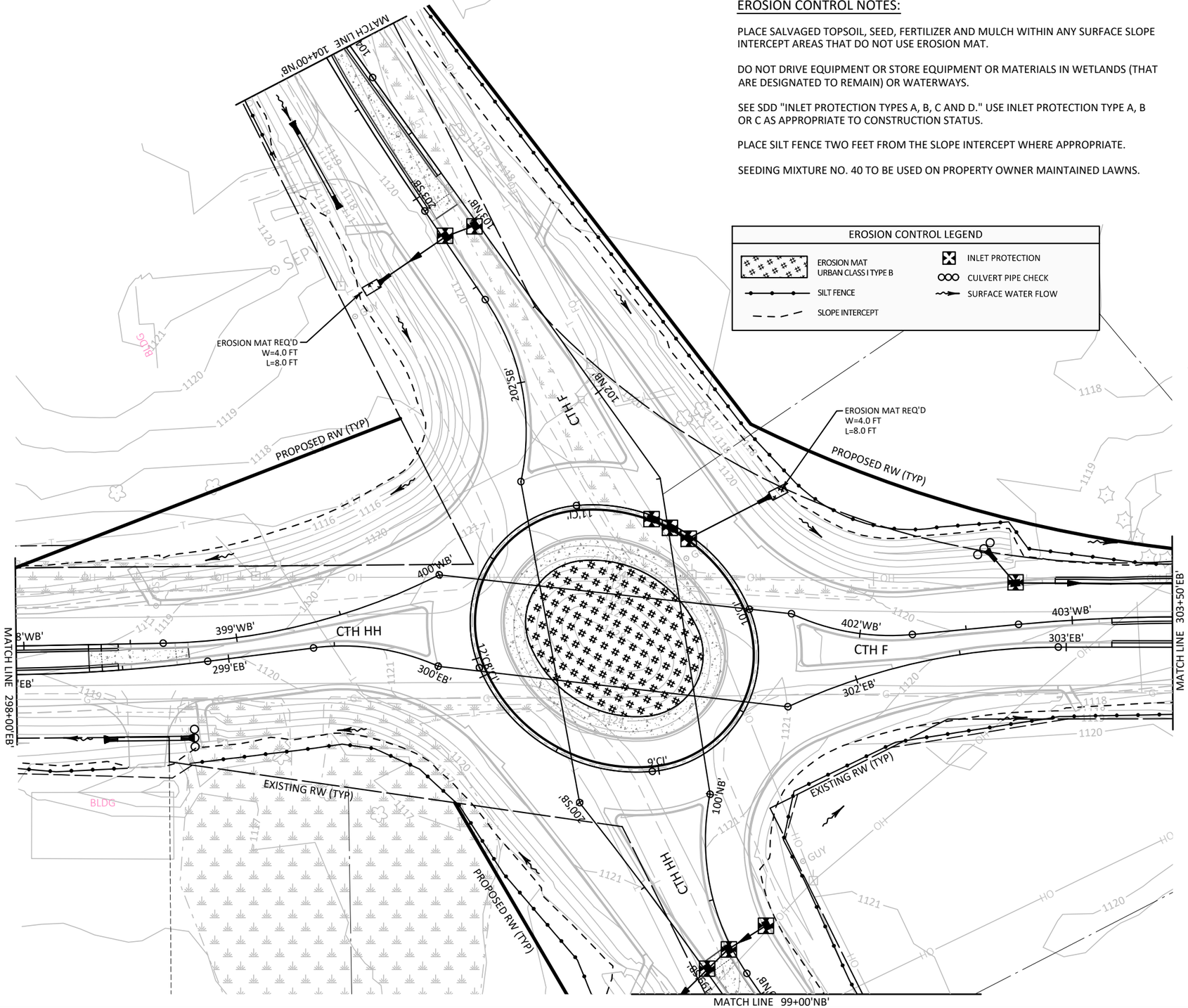
SEE SDD "INLET PROTECTION TYPES A, B, C AND D." USE INLET PROTECTION TYPE A, B OR C AS APPROPRIATE TO CONSTRUCTION STATUS.

PLACE SILT FENCE TWO FEET FROM THE SLOPE INTERCEPT WHERE APPROPRIATE.

SEEDING MIXTURE NO. 40 TO BE USED ON PROPERTY OWNER MAINTAINED LAWNS.

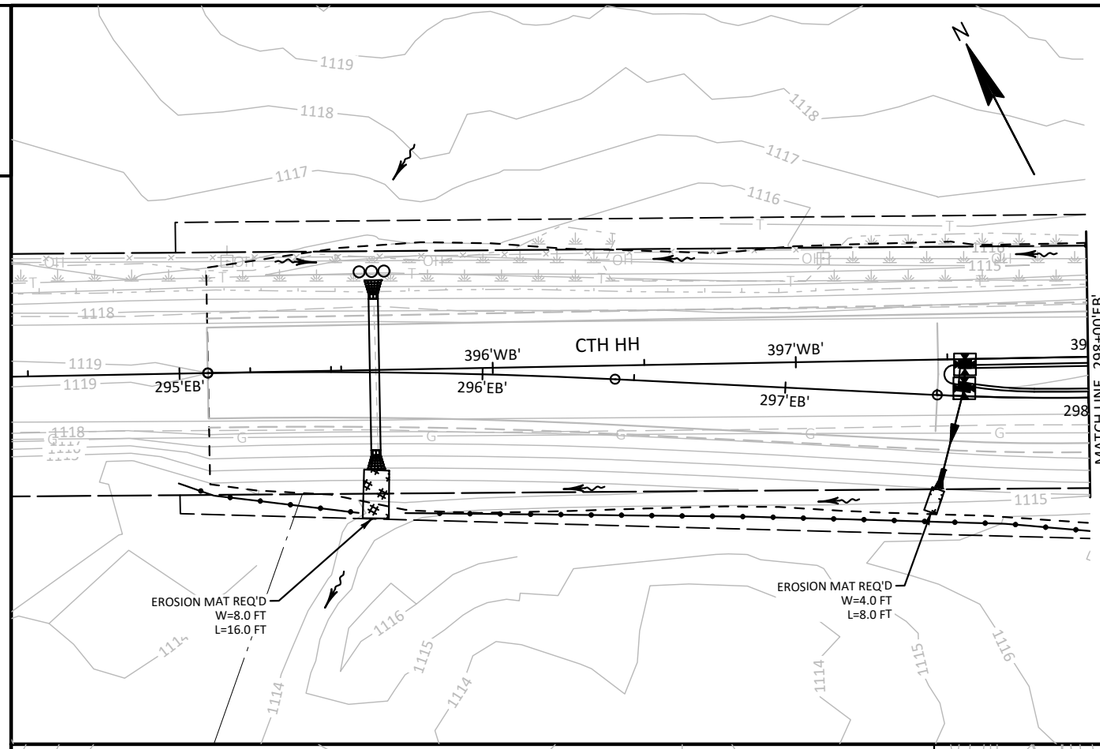
EROSION CONTROL LEGEND

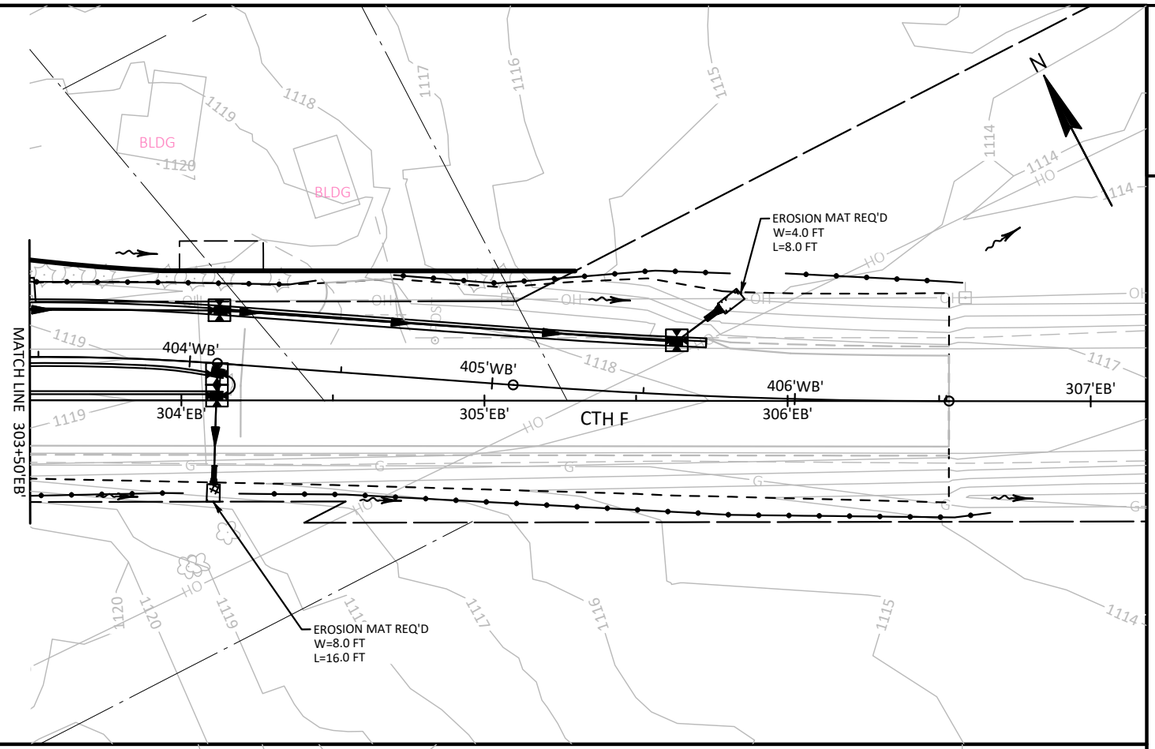
- EROSION MAT URBAN CLASS I TYPE B
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

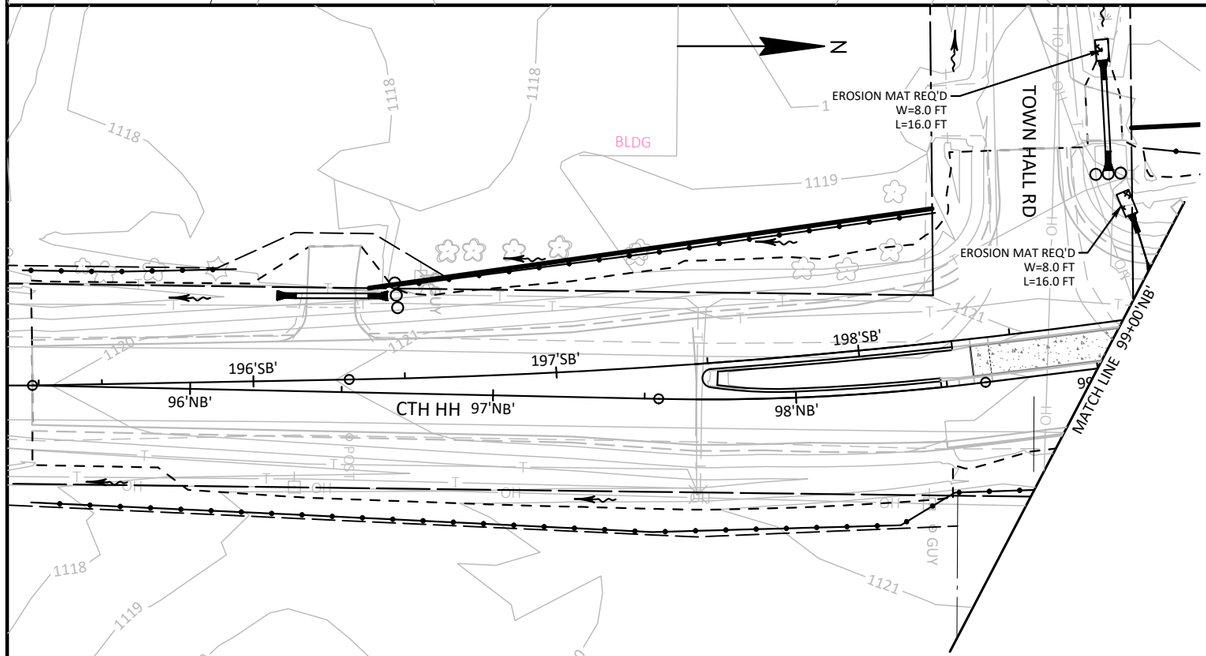


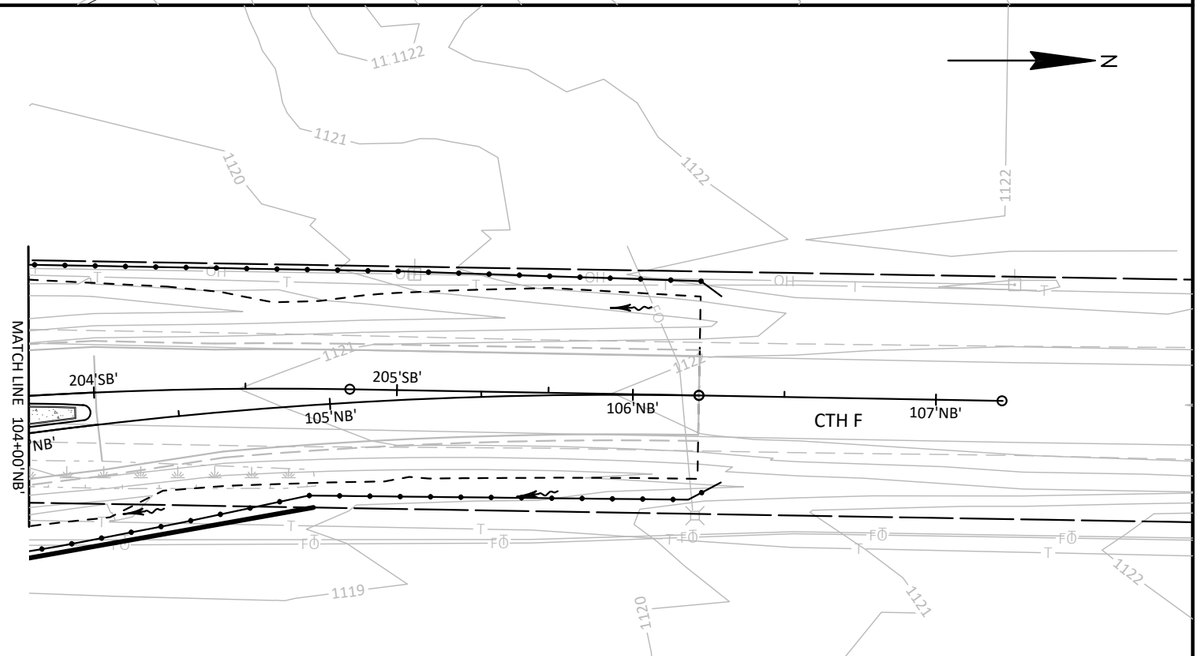
PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	EROSION CONTROL	SHEET 16 E

2



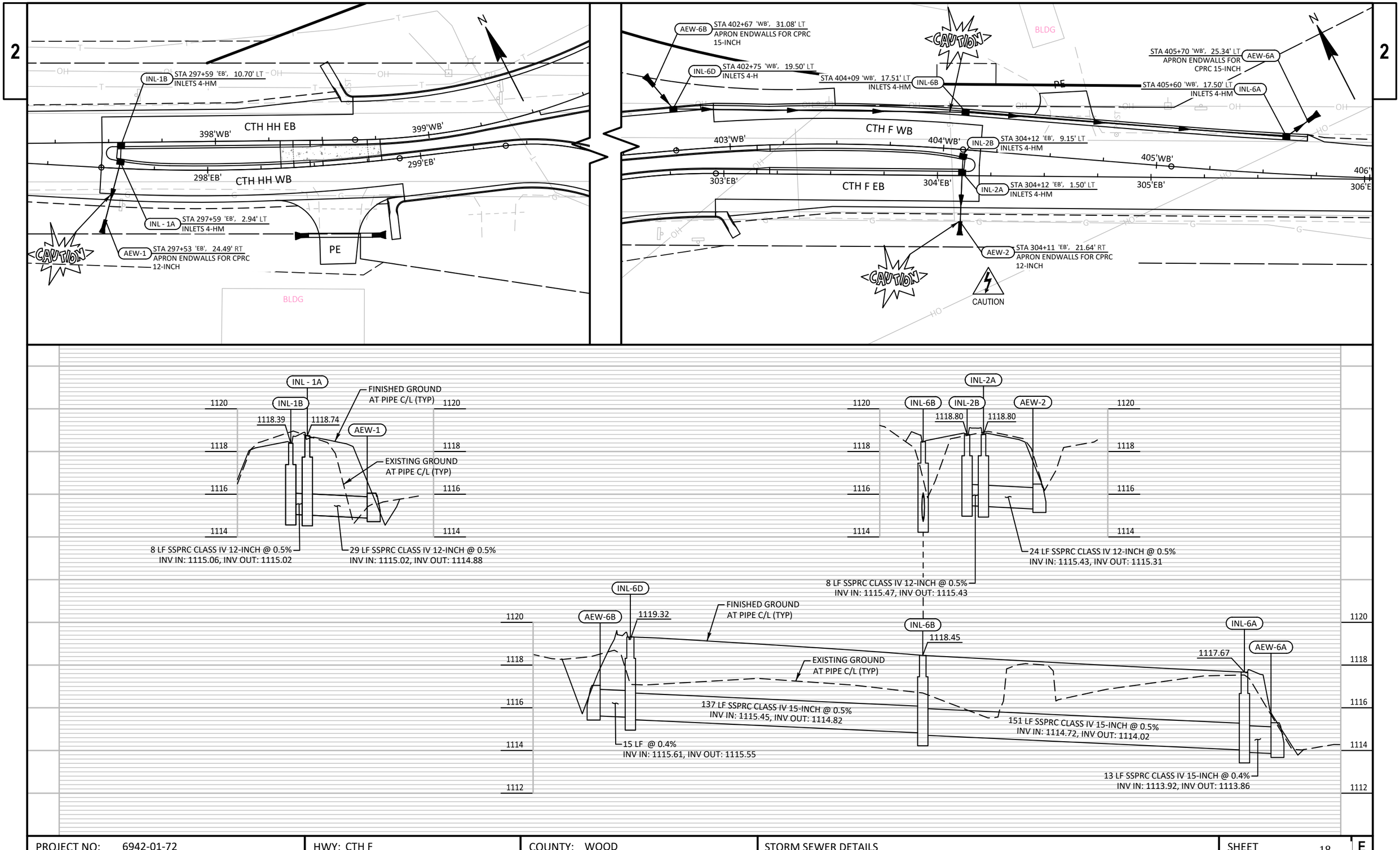




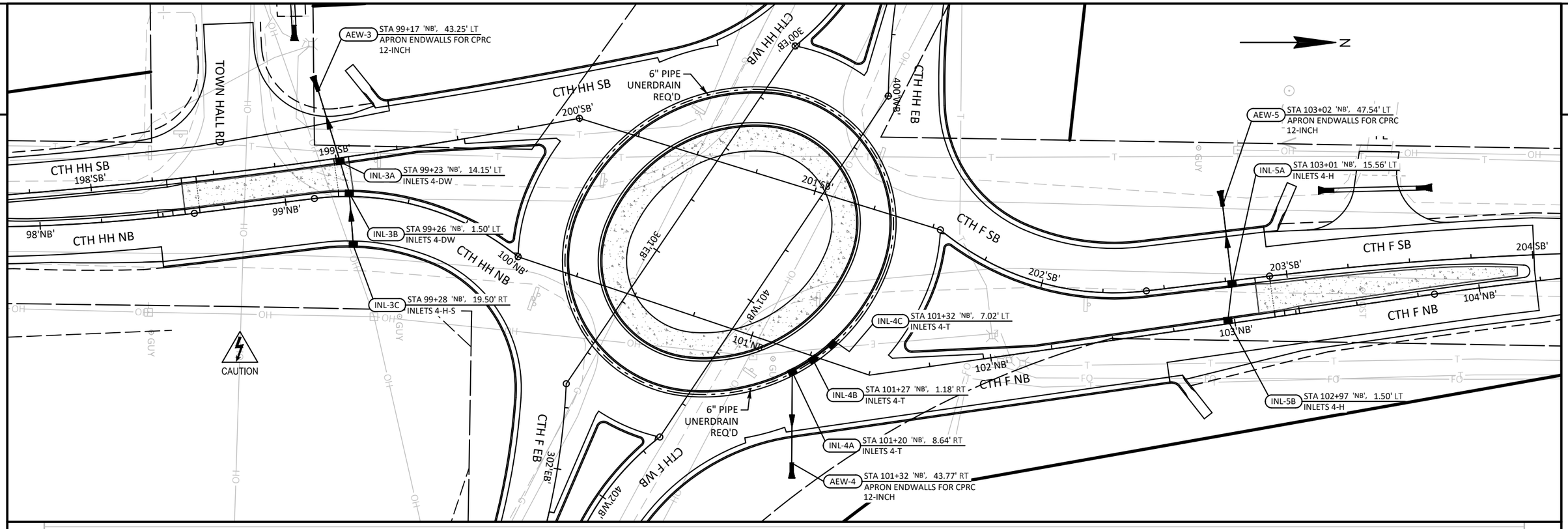


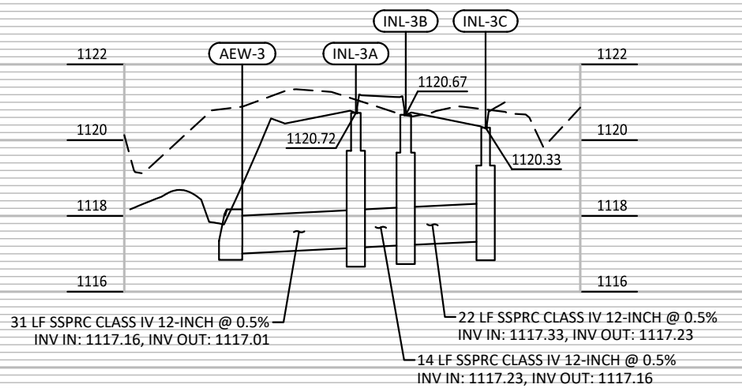
PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	EROSION CONTROL	SHEET 17	E

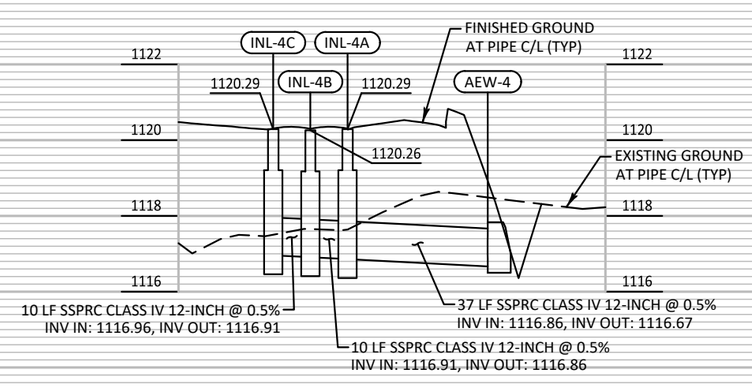
FILE NAME : X:\UZ\W\WOODC\170956\5-final-dsgn\51-drawings\40-TransHwy\C3D-CTH F\sheets\SEC 02 Typ Sec & Details\022001_ec (Eros Control).dwg
PLOT DATE : 7/14/2025 12:26 PM
PLOT BY : SEH
LAYOUT NAME : 02
PLOT SCALE : 1.0 IN = 50.0 FT
WISDOT/CADDS SHEET 42

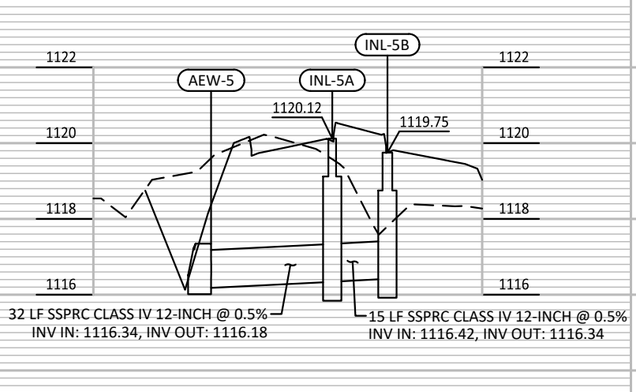


PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	STORM SEWER DETAILS	SHEET 18 E









PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	STORM SEWER DETAILS	SHEET 19 E

2

2

N

CTH HH

296'EB'

298'EB'

300'EB'

302'EB'

303+00'EB'

MATCH LINE 103+50'NB'

103'NB'

102'NB'

100'NB'

99'NB'

MATCH LINE 99+00'NB'

CTH F

CTH HH

SEPV

GUY

BLDG

POST

REMOVE
SPEED LIMIT 55
R01-15

REMOVE
SPEED LIMIT 50
R01-01

REMOVE
ADOPT-A-HIGHWAY SPONSOR VESPER LIONS
BIKE ROUTE
M01-02
R01-14

REMOVE
NO ATV TRAFFIC
R01-13

REMOVE
COUNTY F
COUNTY HH
R01-12

REMOVE
STOP
R01-11

REMOVE
COUNTY F
R01-10

REMOVE
STOP
R01-09

REMOVE
COUNTY HH
COUNTY F
R01-08

REMOVE
COUNTY F
COUNTY HH
R01-02

REMOVE
STOP
R01-03

REMOVE
COUNTY HH
ADOPT-A-HIGHWAY SPONSOR WOOD COUNTY LAND CONSERVATION DEPT
R01-04
M01-01

REMOVE
STOP
R01-05

REMOVE
COUNTY HH
COUNTY F
R01-06

REMOVE
NO ATV TRAFFIC
R01-07

REMOVE EX R/W MARKER POST

PERMANENT SIGNING LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- xx00-00 — DENOTES SIGN NUMBER
  - SIGN COUNT SEQUENCE PER PAGE
  - PAGE NUMBER
  - WORK CODE: R=REMOVE, M=MOVE, W=WORK BY OTHERS

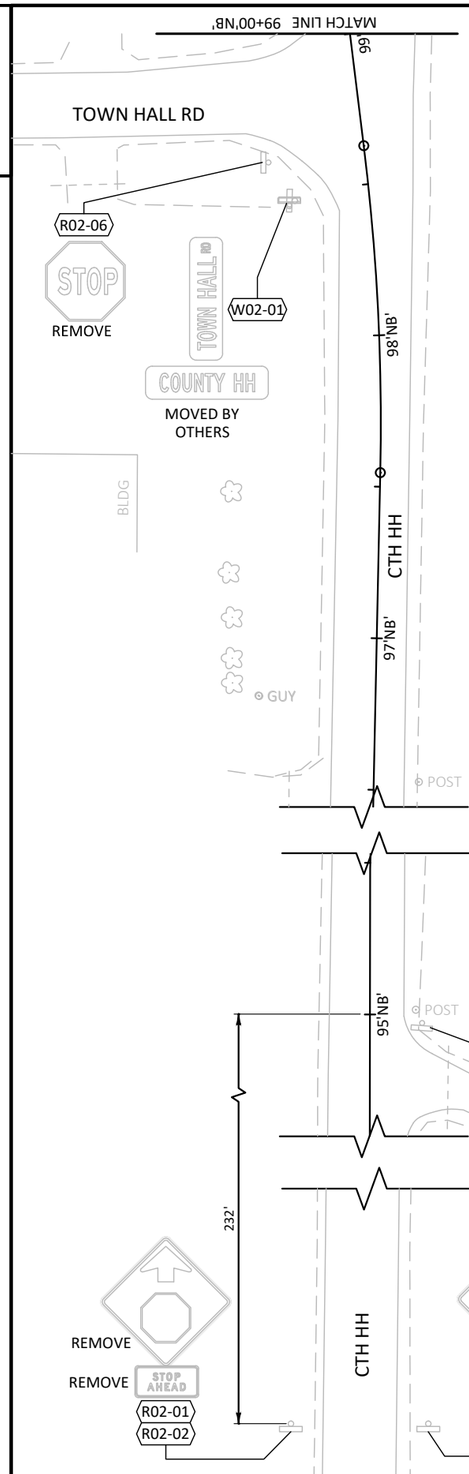
PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	PERMANENT SIGNING - REMOVALS	PAGE 01 OF 02	SHEET 20	E

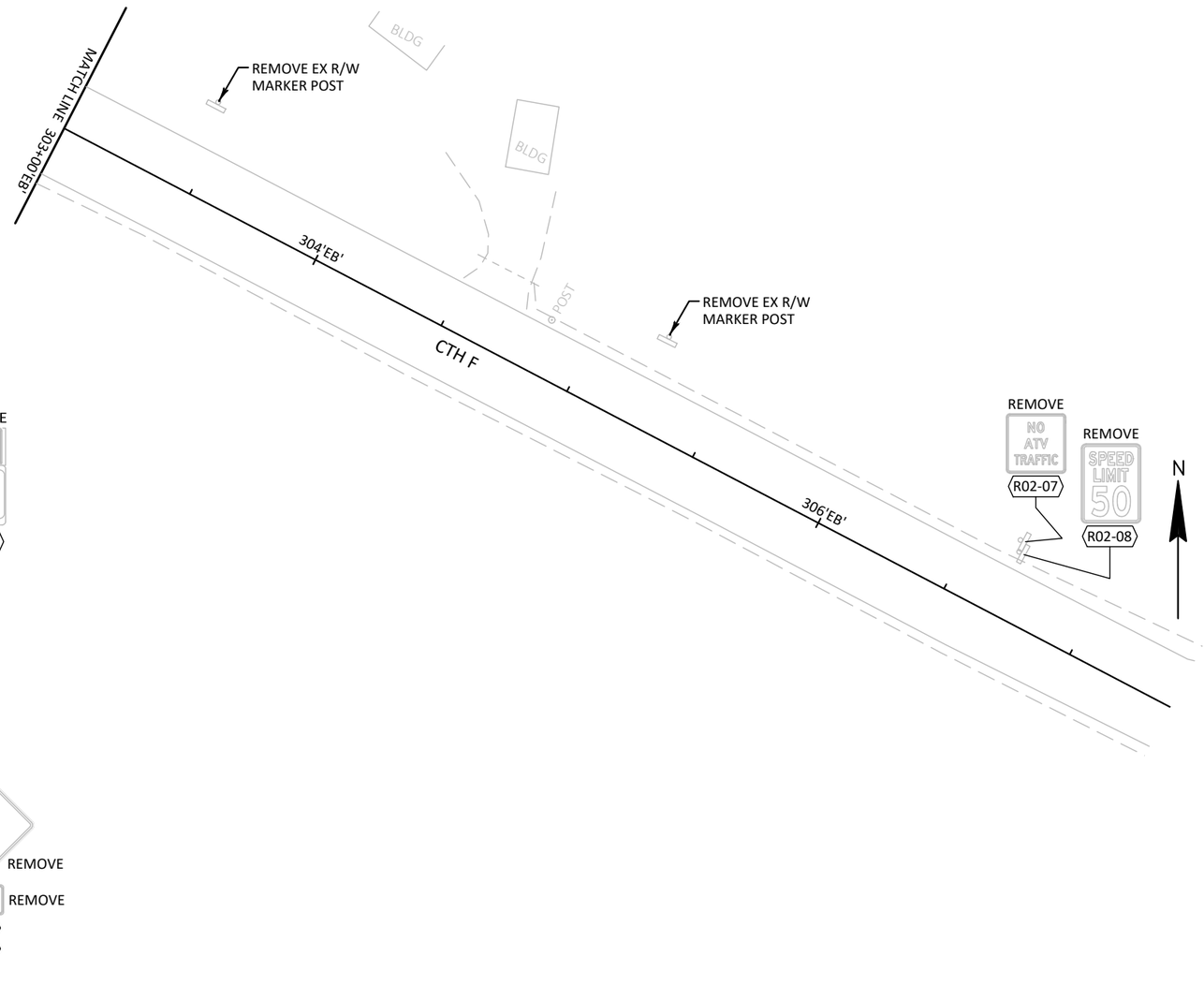
FILE NAME : X:\UZ\W\WOODC\170956\5-final-dsgn\51-drawings\40-TransHwy\C3D-CTH F\sheets\SEC 02 Typ Sec & Details\023200-ps (Sign Removal Plan).dwg PLOT DATE : 7/14/2025 12:27 PM PLOT BY : SEH LAYOUT NAME : 01 PLOT SCALE : 1.0 IN = 50.0 FT

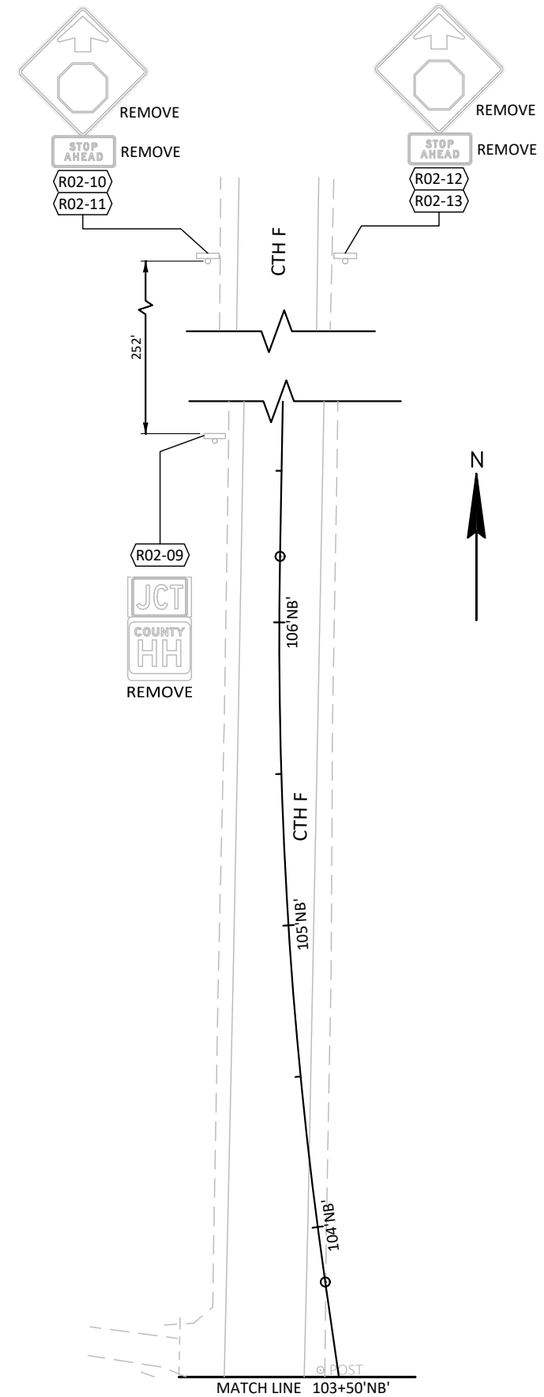
WISDOT/CADDS SHEET 42

PERMANENT SIGNING LEGEND

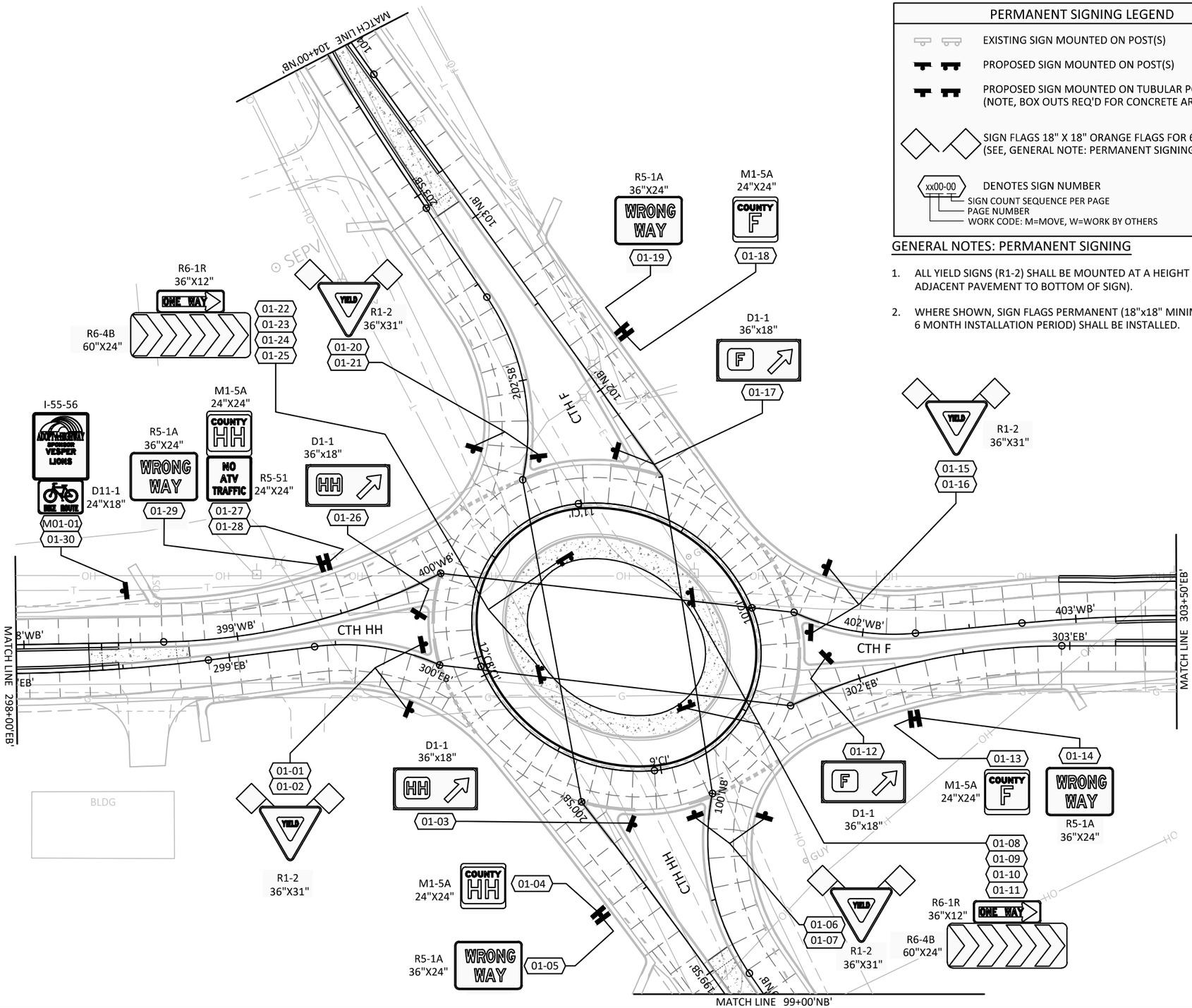
- EXISTING SIGN MOUNTED ON POST(S)
- xx00-00 — DENOTES SIGN NUMBER
  - SIGN COUNT SEQUENCE PER PAGE
  - PAGE NUMBER
  - WORK CODE: R=REMOVE, M=MOVE, W=WORK BY OTHERS







PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	PERMANENT SIGNING - REMOVALS	PAGE 02 OF 02	SHEET 21 E



PERMANENT SIGNING LEGEND

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

GENERAL NOTES: PERMANENT SIGNING

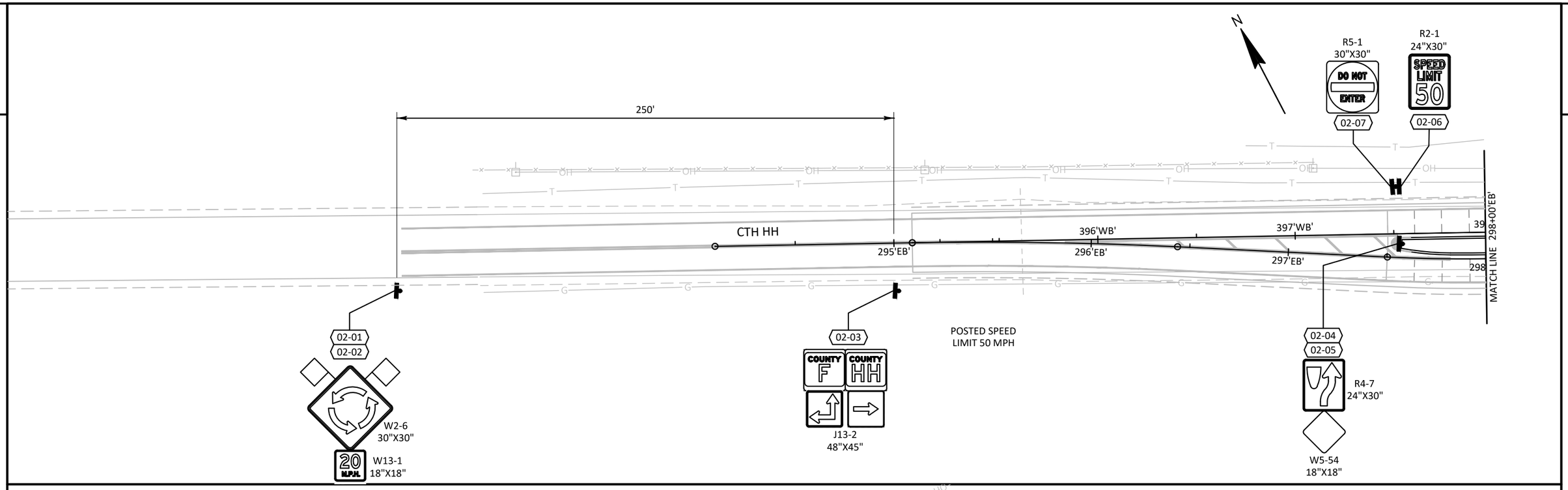
1. ALL YIELD SIGNS (R1-2) SHALL BE MOUNTED AT A HEIGHT OF 7'-3"(FROM ADJACENT PAVEMENT TO BOTTOM OF SIGN).
2. WHERE SHOWN, SIGN FLAGS PERMANENT (18"x18" MINIMUM, ORANGE, 6 MONTH INSTALLATION PERIOD) SHALL BE INSTALLED.

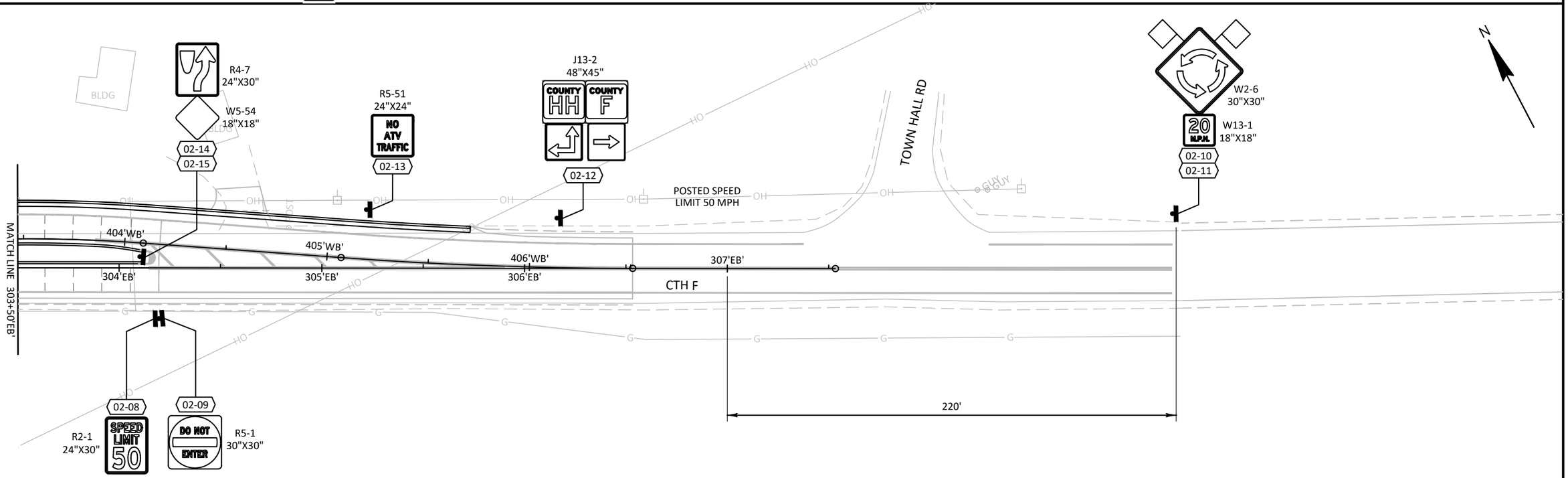
PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	PERMANENT SIGNING	PAGE 01 OF 03	SHEET 22 E

FILE NAME : X:\UZ\W\WOODC\170956\5-final-dsgn\51-drawings\40-TransHwy\C3D-CTH F\sheets\SEC 02 Typ Sec & Details\023200-ps (Perm Sign Plan).dwg PLOT DATE : 9/15/2025 10:30 AM PLOT BY : SEH LAYOUT NAME : 01 PLOT SCALE : 1.0 IN = 50.0 FT

WISDOT/CADDS SHEET 42

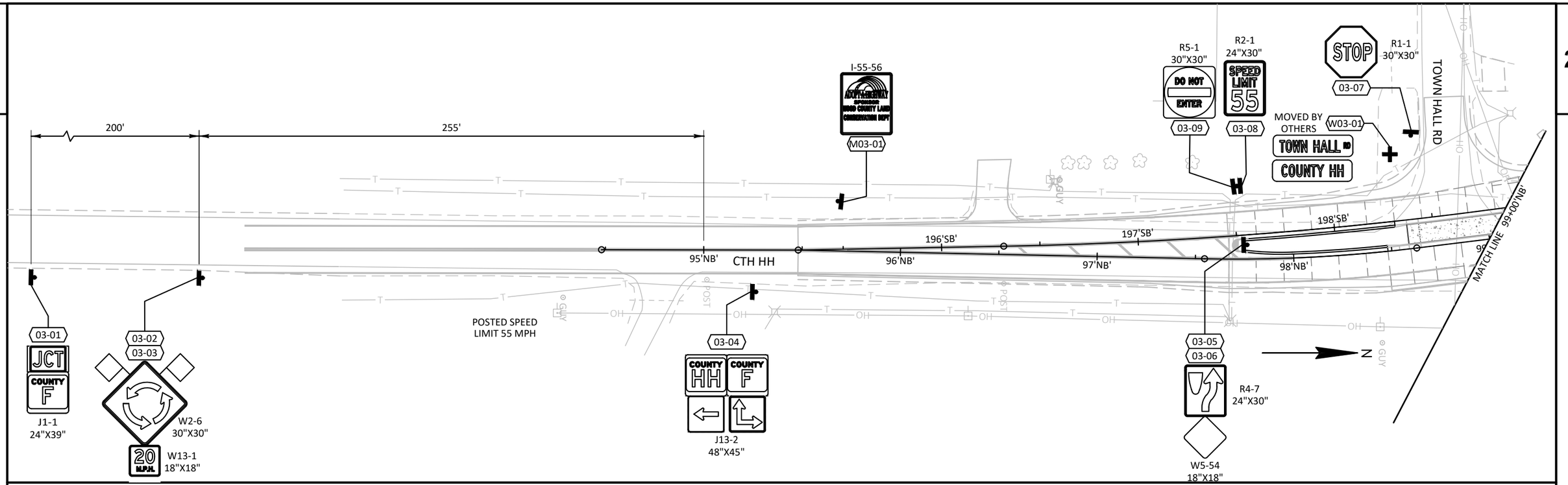
2

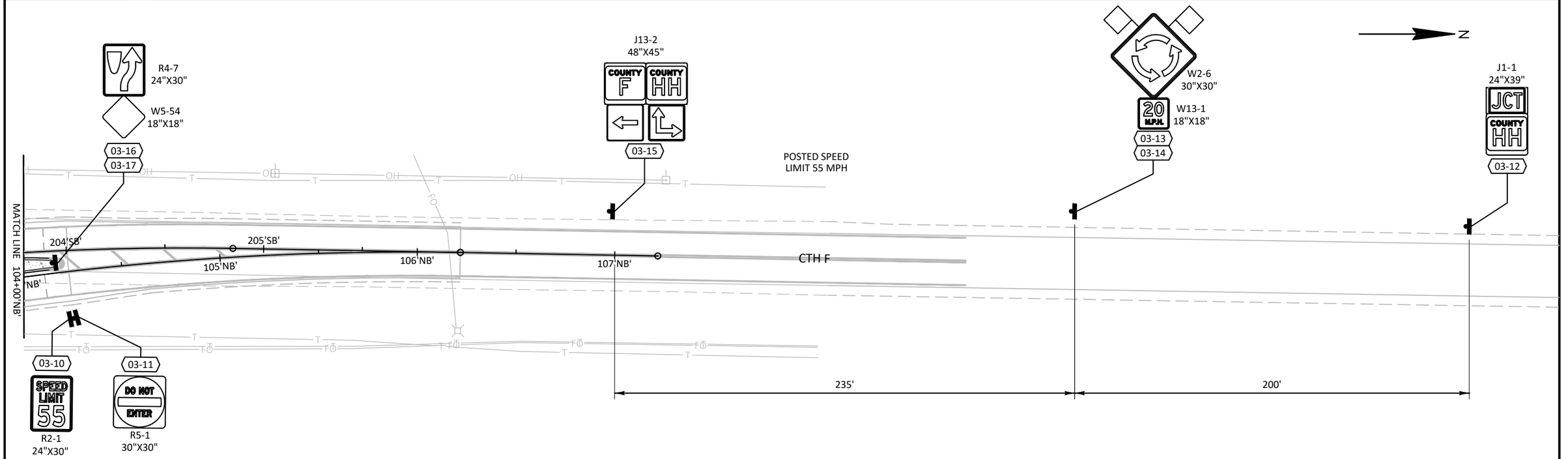




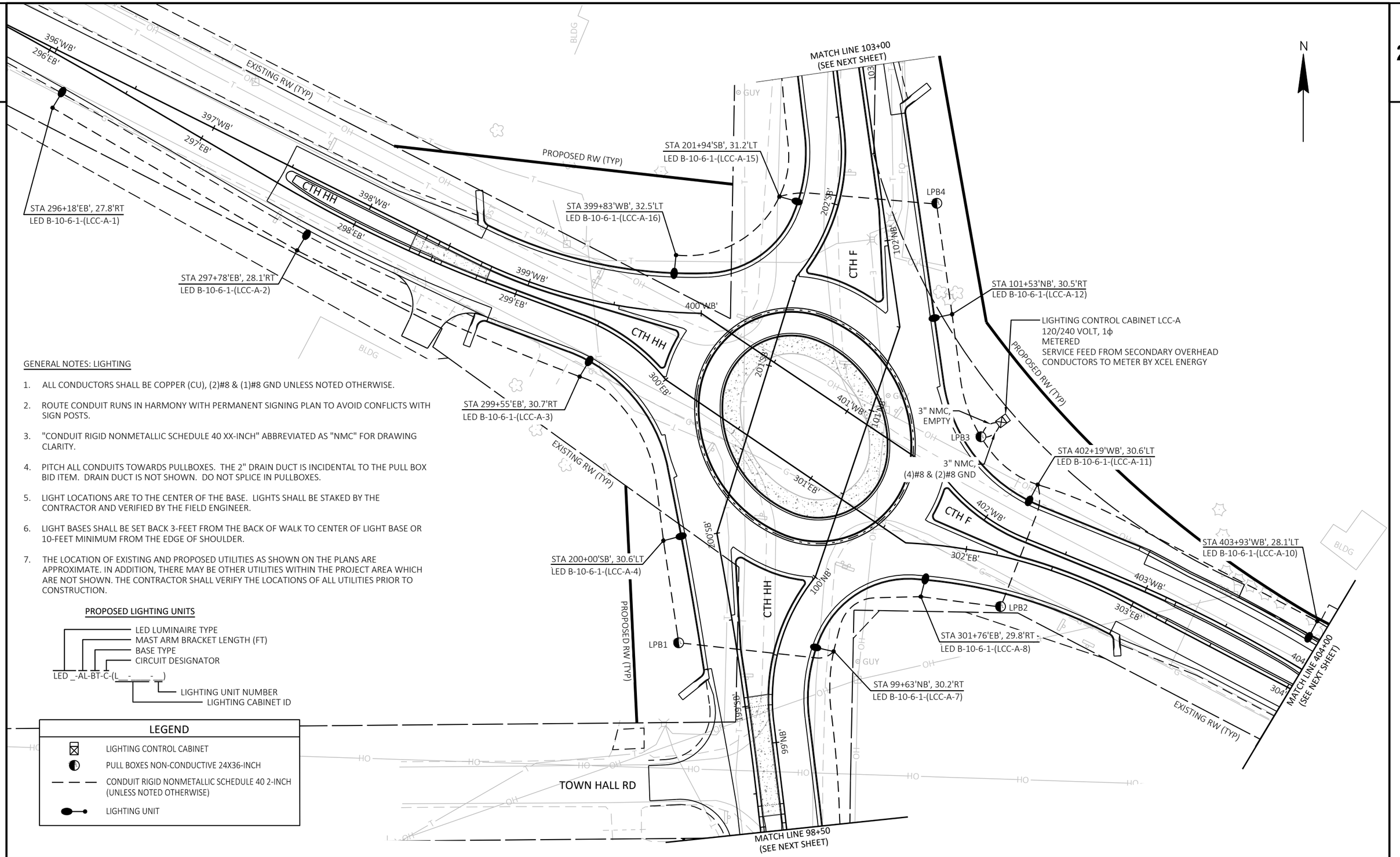
PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	PERMANENT SIGNING	PAGE 02 OF 03	SHEET 23 E

FILE NAME : X:\UZ\W\WOODC\170956\5-final-dsgn\51-drawings\40-TransHwy\C3D-CTH F\sheets\SEC 02 Typ Sec & Details\023200-ps (Perm Sign Plan).dwg PLOT DATE : 7/14/2025 1:13 PM PLOT BY : SEH LAYOUT NAME : 02 PLOT SCALE : 1.0 IN = 50.0 FT





PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	PERMANENT SIGNING	PAGE 03 OF 03	SHEET 24	E



GENERAL NOTES: LIGHTING

1. ALL CONDUCTORS SHALL BE COPPER (CU), (2)#8 & (1)#8 GND UNLESS NOTED OTHERWISE.
2. ROUTE CONDUIT RUNS IN HARMONY WITH PERMANENT SIGNING PLAN TO AVOID CONFLICTS WITH SIGN POSTS.
3. "CONDUIT RIGID NONMETALLIC SCHEDULE 40 XX-INCH" ABBREVIATED AS "NMC" FOR DRAWING CLARITY.
4. PITCH ALL CONDUITS TOWARDS PULLBOXES. THE 2" DRAIN DUCT IS INCIDENTAL TO THE PULL BOX BID ITEM. DRAIN DUCT IS NOT SHOWN. DO NOT SPLICE IN PULLBOXES.
5. LIGHT LOCATIONS ARE TO THE CENTER OF THE BASE. LIGHTS SHALL BE STAKED BY THE CONTRACTOR AND VERIFIED BY THE FIELD ENGINEER.
6. LIGHT BASES SHALL BE SET BACK 3-FEET FROM THE BACK OF WALK TO CENTER OF LIGHT BASE OR 10-FEET MINIMUM FROM THE EDGE OF SHOULDER.
7. THE LOCATION OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE. IN ADDITION, THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.

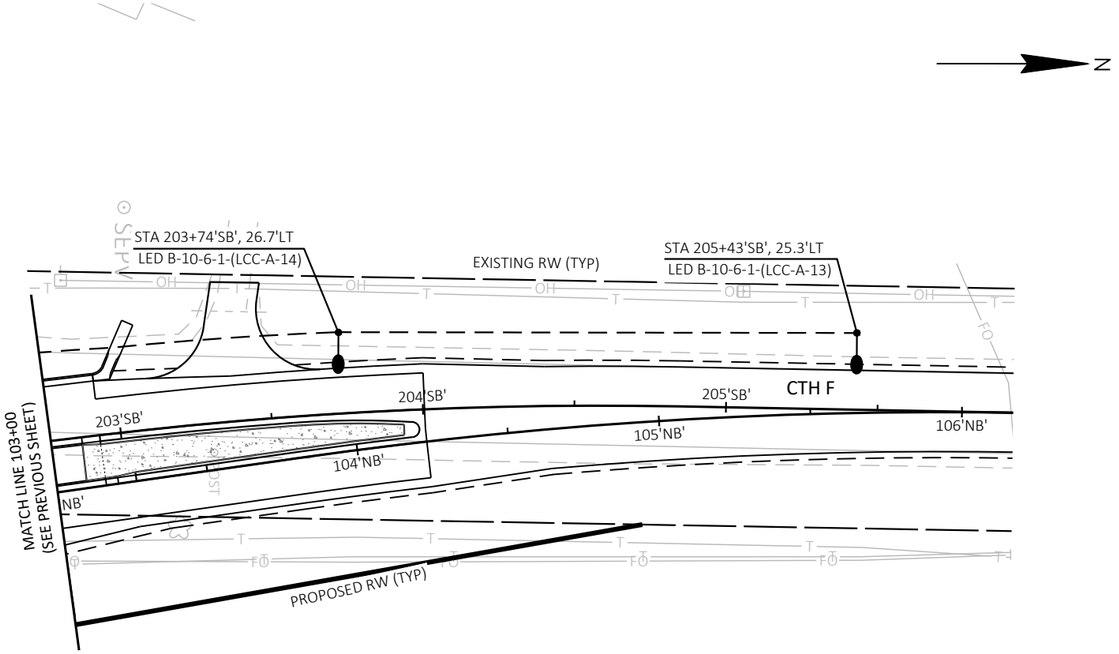
PROPOSED LIGHTING UNITS

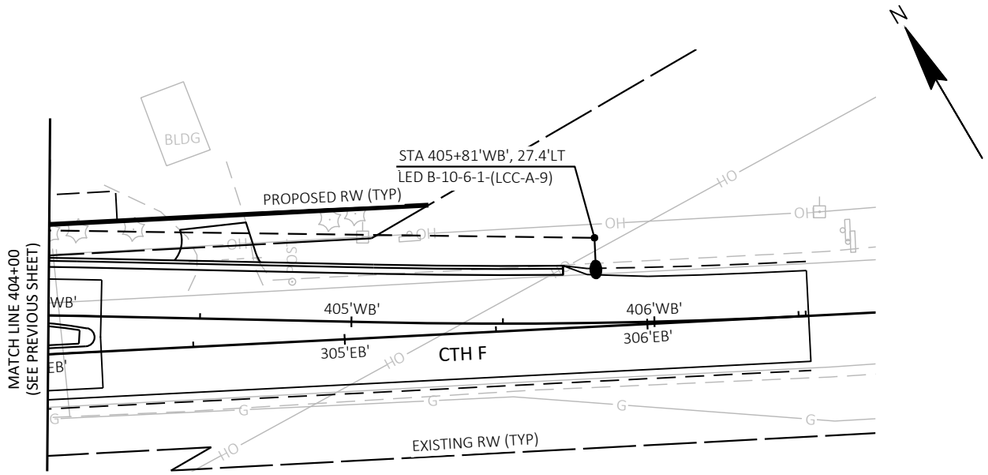
LED _-AL-BT-C-(L_-____-__)
- LED LUMINAIRE TYPE
- MAST ARM BRACKET LENGTH (FT)
- BASE TYPE
- CIRCUIT DESIGNATOR
- LIGHTING UNIT NUMBER
- LIGHTING CABINET ID

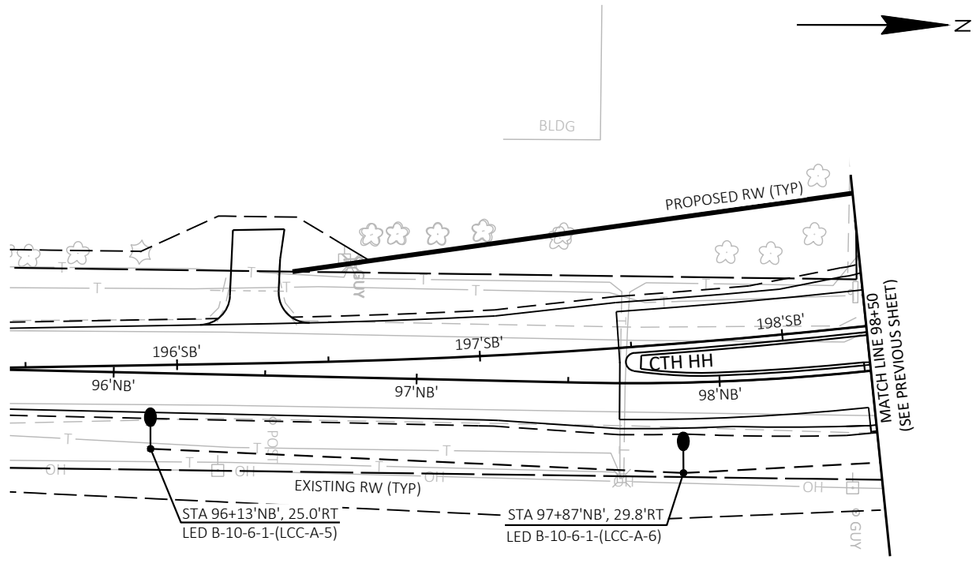
LEGEND

- LIGHTING CONTROL CABINET
- PULL BOXES NON-CONDUCTIVE 24X36-INCH
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH (UNLESS NOTED OTHERWISE)
- LIGHTING UNIT

PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	LIGHTING PLAN	SHEET 25 E







GENERAL NOTES: LIGHTING

1. ALL CONDUCTORS SHALL BE COPPER (CU), (2)#8 & (1)#8 GND UNLESS NOTED OTHERWISE.
2. ROUTE CONDUIT RUNS IN HARMONY WITH PERMANENT SIGNING PLAN TO AVOID CONFLICTS WITH SIGN POSTS.
3. "CONDUIT RIGID NONMETALLIC SCHEDULE 40 XX-INCH" ABBREVIATED AS "NMC" FOR DRAWING CLARITY.
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6. LIGHT BASES SHALL BE SET BACK 3-FEET FROM THE BACK OF WALK TO CENTER OF LIGHT BASE OR 10-FEET MINIMUM FROM THE EDGE OF SHOULDER.
7. THE LOCATION OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE. IN ADDITION, THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.

LEGEND

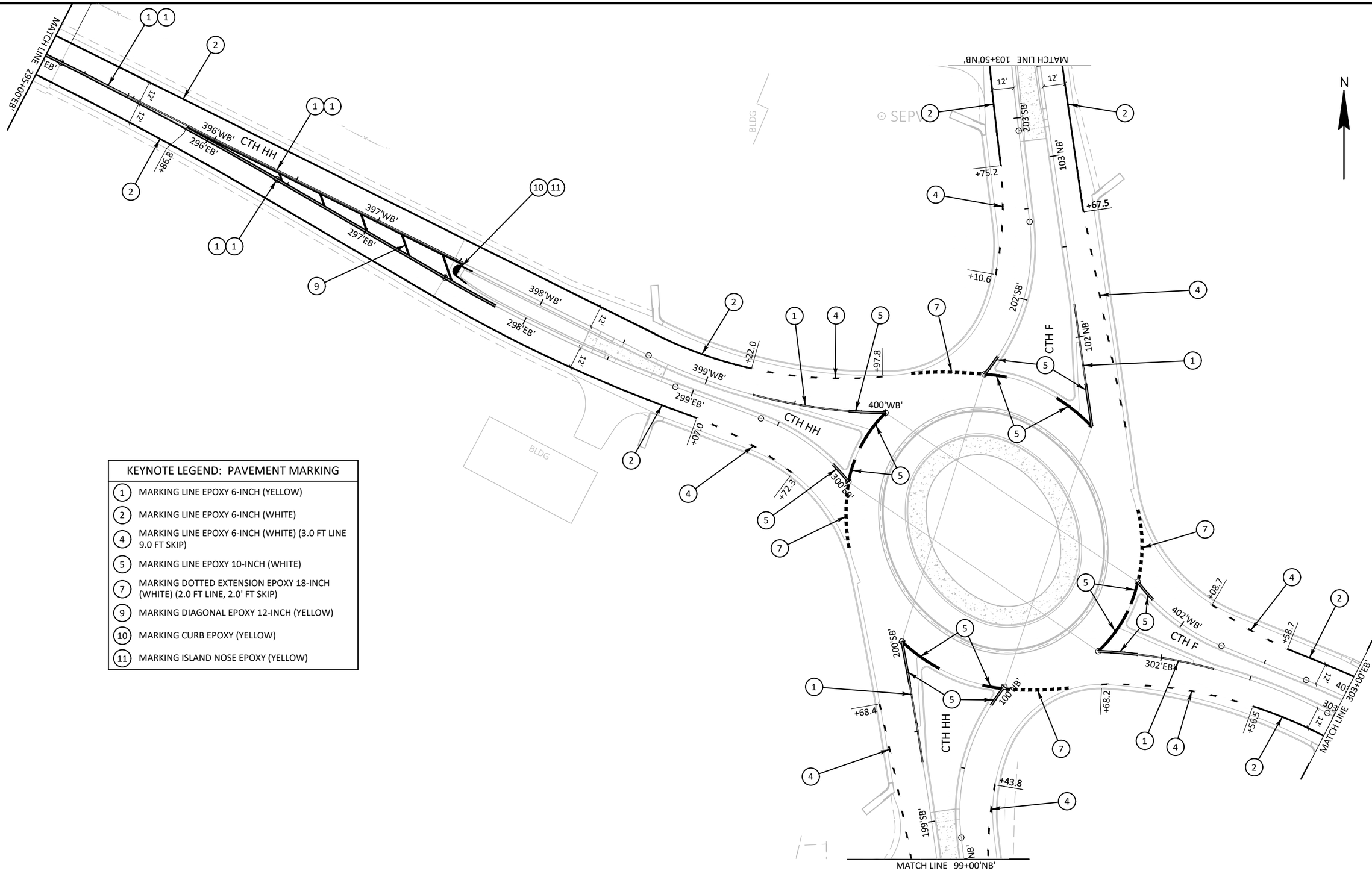
- LIGHTING CONTROL CABINET
- PULL BOXES NON-CONDUCTIVE 24X36-INCH
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH (UNLESS NOTED OTHERWISE)
- LIGHTING UNIT

PROPOSED LIGHTING UNITS

LED _-AL-BT-C-(L__-____-__)

- LED LUMINAIRE TYPE
- MAST ARM BRACKET LENGTH (FT)
- BASE TYPE
- CIRCUIT DESIGNATOR
- LIGHTING UNIT NUMBER
- LIGHTING CABINET ID

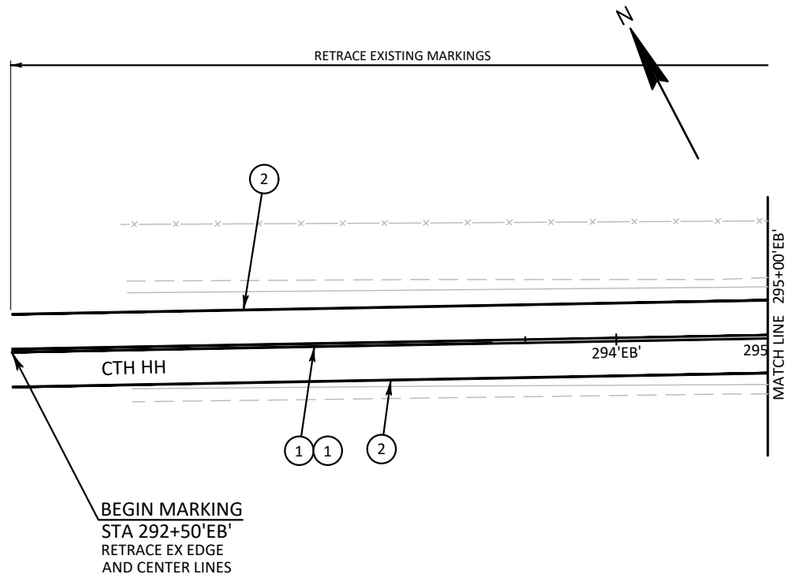
PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	LIGHTING PLAN	SHEET 26	E

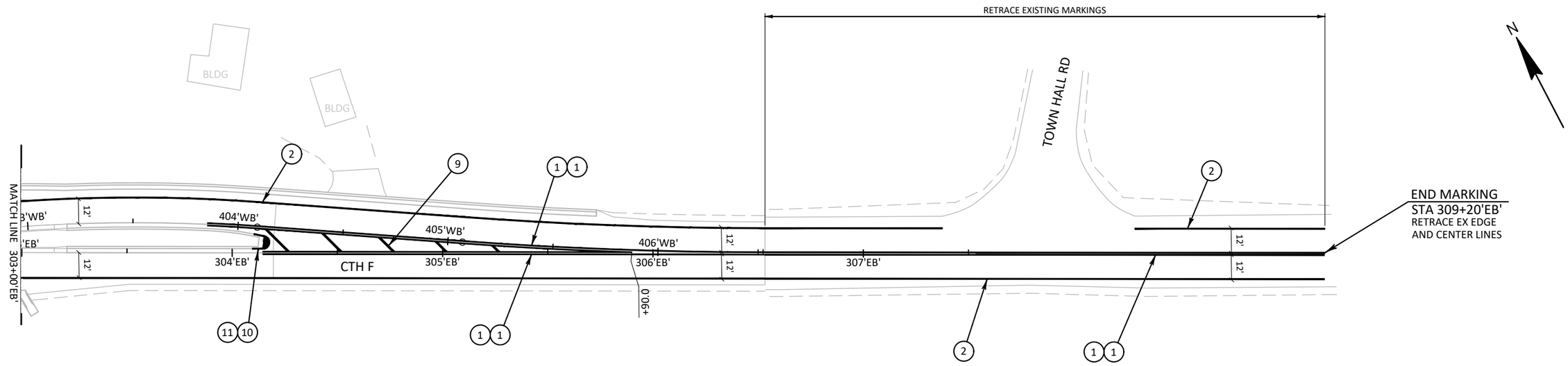


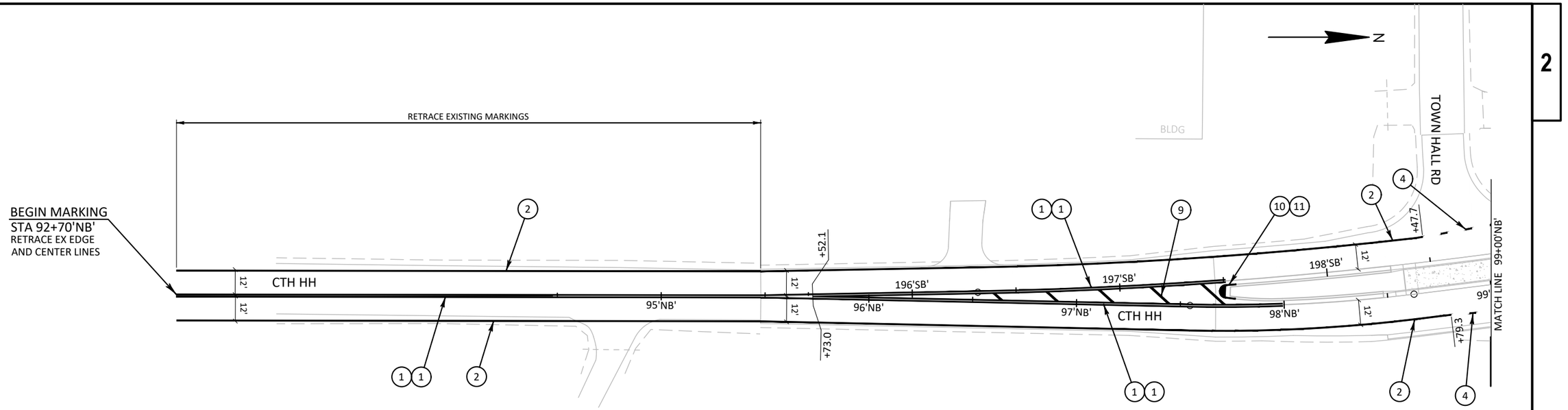
KEYNOTE LEGEND: PAVEMENT MARKING	
1	MARKING LINE EPOXY 6-INCH (YELLOW)
2	MARKING LINE EPOXY 6-INCH (WHITE)
4	MARKING LINE EPOXY 6-INCH (WHITE) (3.0 FT LINE 9.0 FT SKIP)
5	MARKING LINE EPOXY 10-INCH (WHITE)
7	MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE) (2.0 FT LINE, 2.0' FT SKIP)
9	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
10	MARKING CURB EPOXY (YELLOW)
11	MARKING ISLAND NOSE EPOXY (YELLOW)

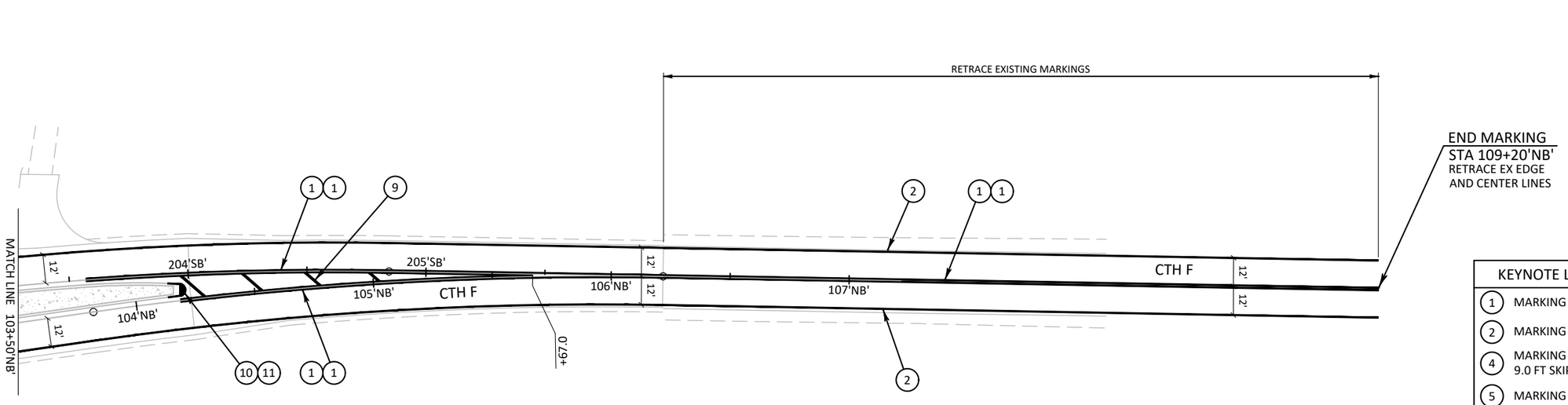
PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	PAVEMENT MARKING	SHEET 27 E

KEYNOTE LEGEND: PAVEMENT MARKING	
1	MARKING LINE EPOXY 6-INCH (YELLOW)
2	MARKING LINE EPOXY 6-INCH (WHITE)
4	MARKING LINE EPOXY 6-INCH (WHITE) (3.0 FT LINE 9.0 FT SKIP)
5	MARKING LINE EPOXY 10-INCH (WHITE)
7	MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE) (2.0 FT LINE, 2.0' FT SKIP)
9	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
10	MARKING CURB EPOXY (YELLOW)
11	MARKING ISLAND NOSE EPOXY (YELLOW)









KEYNOTE LEGEND: PAVEMENT MARKING	
1	MARKING LINE EPOXY 6-INCH (YELLOW)
2	MARKING LINE EPOXY 6-INCH (WHITE)
4	MARKING LINE EPOXY 6-INCH (WHITE) (3.0 FT LINE 9.0 FT SKIP)
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7	MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE) (2.0 FT LINE, 2.0' FT SKIP)
9	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
10	MARKING CURB EPOXY (YELLOW)
11	MARKING ISLAND NOSE EPOXY (YELLOW)

PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	PAVEMENT MARKING	SHEET 29 E

FILE NAME : X:\UZ\W\WOODC\170956\5-final-dsgn\51-drawings\40-TransHwy\C3D-CTH F\sheets\SEC 02 Typ Sec & Details\024500-pm (Pavement Marking).dwg PLOT DATE : 7/14/2025 12:29 PM PLOT BY : SEH LAYOUT NAME : 03 PLOT SCALE : 1.0 IN = #### FT
WISDOT/CADDS SHEET 42

2

2

N

CTH D

STH 186

VILLAGE OF VESPER

CTH C

ROAD CLOSED
TO THRU TRAFFIC
1 MILES AHEAD
R11-3
60"X30"

RUESS RD

STH 73

CTH HH

ROAD CLOSED
TO THRU TRAFFIC
2 MILES AHEAD
R11-3
60"X30"

ROAD CLOSED
TO THRU TRAFFIC
2 MILES AHEAD
R11-3
60"X30"

CTH HH

CTH F

CTH F

TOWN HALL RD

CTH C

LUNDBERG RD

STH 73

ROAD CLOSED
TO THRU TRAFFIC
1 MILES AHEAD
R11-3
60"X30"

TRAFFIC CONTROL LEGEND

TYPE III BARRICADE WITH SIGN

WORK SPACE CLOSED TO TRAFFIC

TO WISCONSIN RAPIDS

PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	TRAFFIC CONTROL - CLOSURE DETAIL	SHEET 30 E

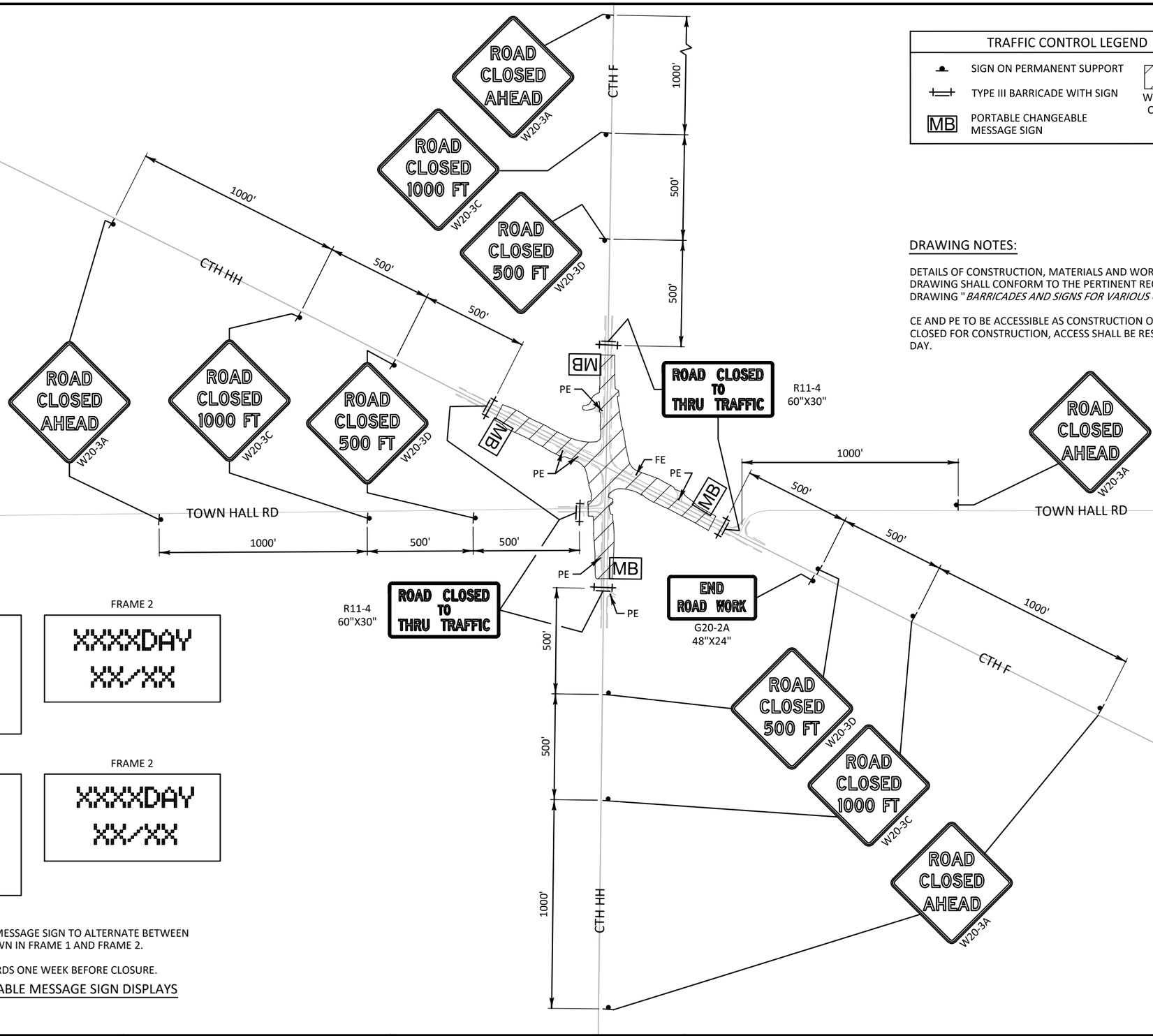
FILE NAME : X:\UZ\W\WOODC\170956\5-final-dsgn\51-drawings\40-TransHwy\C3D-CTH F\sheets\SEC 02 Typ Sec & Details\025001_tc (Closure Vicinity Detail).dwg PLOT DATE : 7/14/2025 12:30 PM PLOT BY : SEH LAYOUT NAME : 01 PLOT SCALE : 1.0 IN = 2640.0 FT

2

TRAFFIC CONTROL LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE WITH SIGN
- MB — PORTABLE CHANGEABLE MESSAGE SIGN
- WORK SPACE CLOSED TO TRAFFIC

N



DRAWING NOTES:

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF STANDARD DETAIL DRAWING "*BARRICADES AND SIGNS FOR VARIOUS CLOSURES, DETAIL D.*"

CE AND PE TO BE ACCESSIBLE AS CONSTRUCTION OPERATIONS PERMIT. IF ACCESS IS CLOSED FOR CONSTRUCTION, ACCESS SHALL BE RESTORED AT THE END OF THE WORK DAY.

FRAME 1

HWY F
TO
CLOSE

FRAME 2

XXXXDAY
XX/XX

FRAME 1

HWY HH
TO
CLOSE

FRAME 2

XXXXDAY
XX/XX

PORTABLE CHANGEABLE MESSAGE SIGN TO ALTERNATE BETWEEN MESSAGES SHOWN IN FRAME 1 AND FRAME 2.

SET MESSAGE BOARDS ONE WEEK BEFORE CLOSURE.

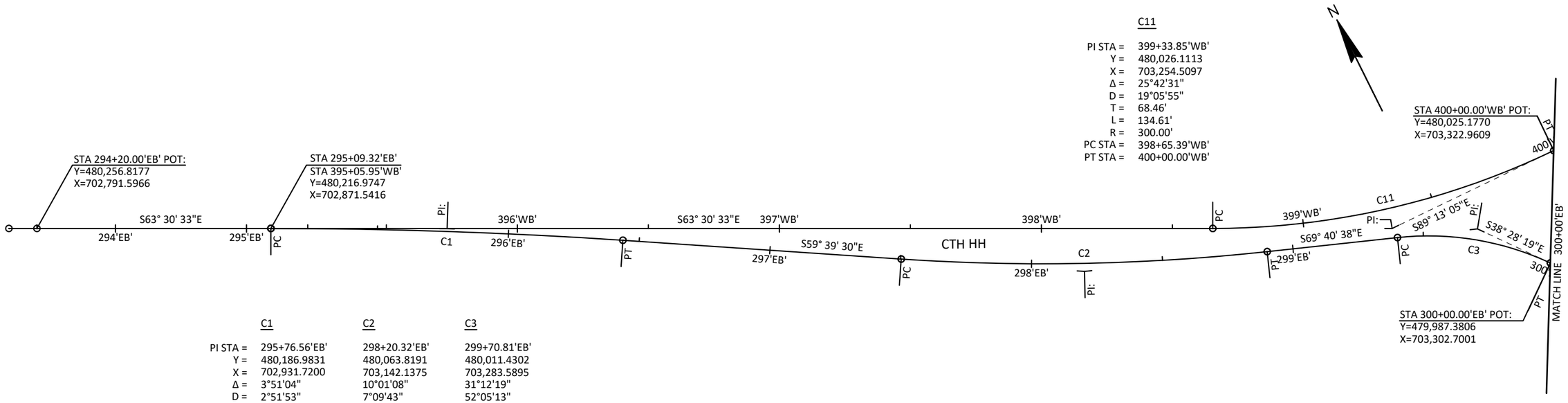
PORTABLE CHANGEABLE MESSAGE SIGN DISPLAYS

PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	TRAFFIC CONTROL - CLOSURE DETAIL	SHEET 31 E

FILE NAME : X:\UZ\W\WOODC\170956\5-final-dsgn\51-drawings\40-TransHwy\C3D-CTH F\sheets\SEC 02 Typ Sec & Details\025000_tc (Closure Detail).dwg PLOT DATE : 7/14/2025 12:30 PM PLOT BY : SEH LAYOUT NAME : 01 PLOT SCALE : 1.0 IN = ##### FT

WISDOT/CADDS SHEET 42

2



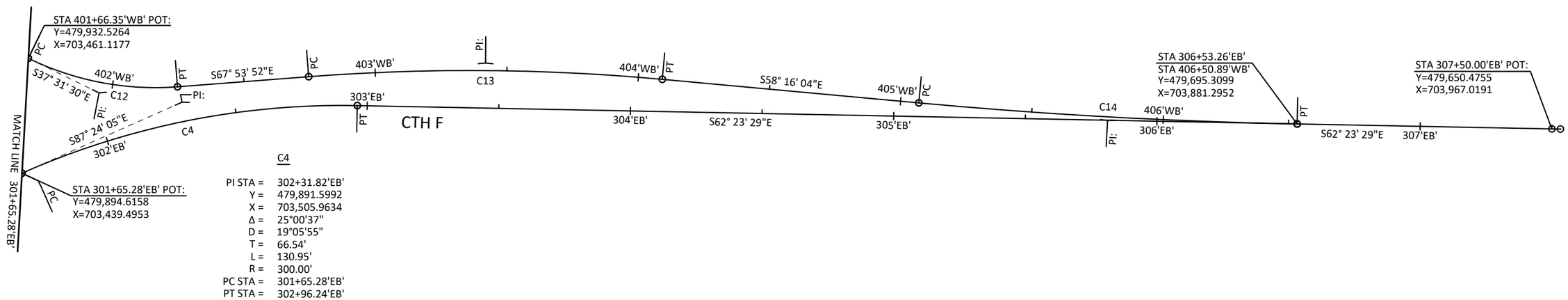
	C1	C2	C3
PI STA =	295+76.56'EB'	298+20.32'EB'	299+70.81'EB'
Y =	480,186.9831	480,063.8191	480,011.4302
X =	702,931.7200	703,142.1375	703,283.5895
Δ =	3°51'04"	10°01'08"	31°12'19"
D =	2°51'53"	7°09'43"	52°05'13"
T =	67.24'	70.12'	30.72'
L =	134.43'	139.89'	59.91'
R =	2,000.00'	800.00'	110.00'
PC STA =	295+09.32'EB'	297+50.20'EB'	299+40.09'EB'
PT STA =	296+43.75'EB'	298+90.09'EB'	300+00.00'EB'

C11	
PI STA =	399+33.85'WB'
Y =	480,026.1113
X =	703,254.5097
Δ =	25°42'31"
D =	19°05'55"
T =	68.46'
L =	134.61'
R =	300.00'
PC STA =	398+65.39'WB'
PT STA =	400+00.00'WB'

REFERENCE LINE LABEL/MODEL NAME INDEX (PROJECT 6942-01-72)

'LABEL'	ALIGNMENT MODEL NAME	DESCRIPTION
'EB'	RDBT-CTH HH-CTH F-EB	PRIMARY PROJECT ALIGNMENT, EAST BOUND CTH HH/F
'WB'	RDBT-CTH HH-CTH F-WB	WEST BOUND CTH HH/F
'NB	RDBT-CTH HH-CTH F-NB	NORTH BOUND CTH HH/F
'SB'	RDBT-CTH HH-CTH F-SB	SOUTH BOUND CTH HH/F
'CI'	RDBT-CTH HH-CTH F-CI	ROUNDABOUT CIRCLE
'TH'	TOWN HALL RD	CENTER LINE - TOWN HALL ROAD

	C12	C13	C14
PI STA =	401+96.21'WB'	403+42.05'WB'	405+78.95'WB'
Y =	479,908.8462	479,853.4428	479,728.6761
X =	703,479.3046	703,615.7309	703,817.4907
Δ =	30°22'22"	9°37'48"	4°07'25"
D =	52°05'13"	7°09'43"	2°51'53"
T =	29.86'	67.39'	72.00'
L =	58.31'	134.46'	143.94'
R =	110.00'	800.00'	2,000.00'
PC STA =	401+66.35'WB'	402+74.66'WB'	405+06.95'WB'
PT STA =	402+24.66'WB'	404+09.12'WB'	406+50.89'WB'



C4	
PI STA =	302+31.82'EB'
Y =	479,891.5992
X =	703,505.9634
Δ =	25°00'37"
D =	19°05'55"
T =	66.54'
L =	130.95'
R =	300.00'
PC STA =	301+65.28'EB'
PT STA =	302+96.24'EB'

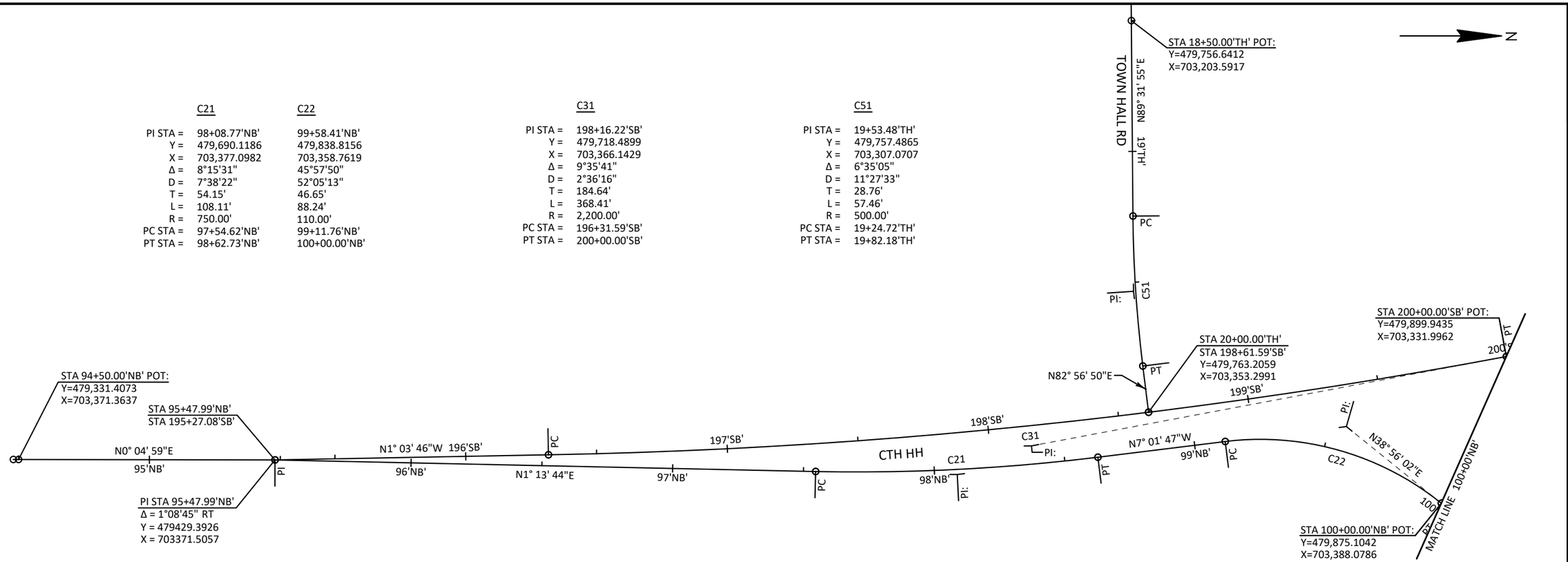
PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	ALIGNMENT DETAILS	SHEET 32 E

2

	C21	C22
PI STA =	98+08.77'NB'	99+58.41'NB'
Y =	479,690.1186	479,838.8156
X =	703,377.0982	703,358.7619
Δ =	8°15'31"	45°57'50"
D =	7°38'22"	52°05'13"
T =	54.15'	46.65'
L =	108.11'	88.24'
R =	750.00'	110.00'
PC STA =	97+54.62'NB'	99+11.76'NB'
PT STA =	98+62.73'NB'	100+00.00'NB'

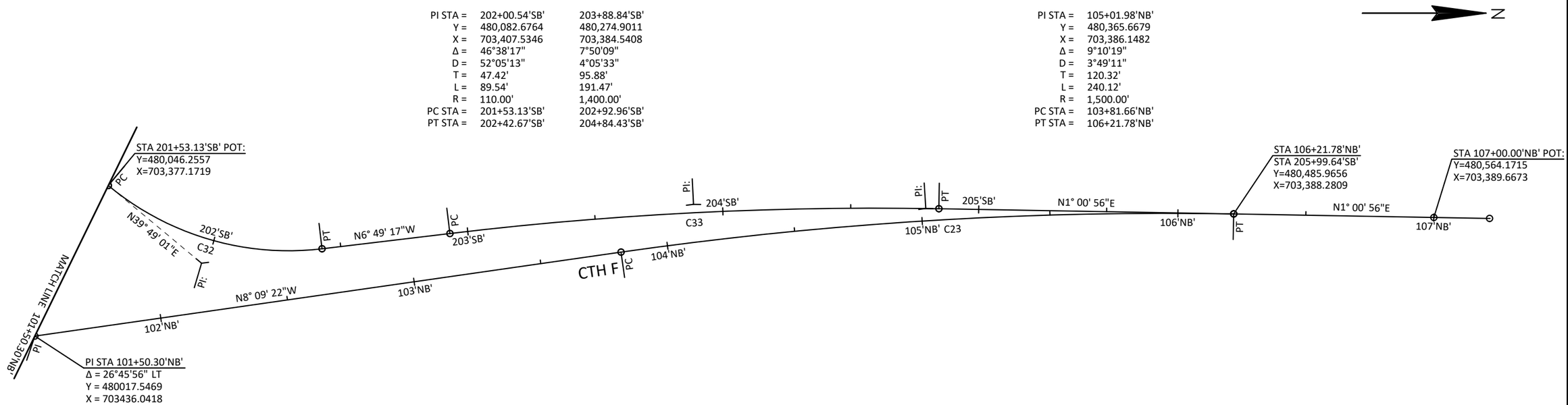
	C31
PI STA =	198+16.22'SB'
Y =	479,718.4899
X =	703,366.1429
Δ =	9°35'41"
D =	2°36'16"
T =	184.64'
L =	368.41'
R =	2,200.00'
PC STA =	196+31.59'SB'
PT STA =	200+00.00'SB'

	C51
PI STA =	19+53.48'TH'
Y =	479,757.4865
X =	703,307.0707
Δ =	6°35'05"
D =	11°27'33"
T =	28.76'
L =	57.46'
R =	500.00'
PC STA =	19+24.72'TH'
PT STA =	19+82.18'TH'

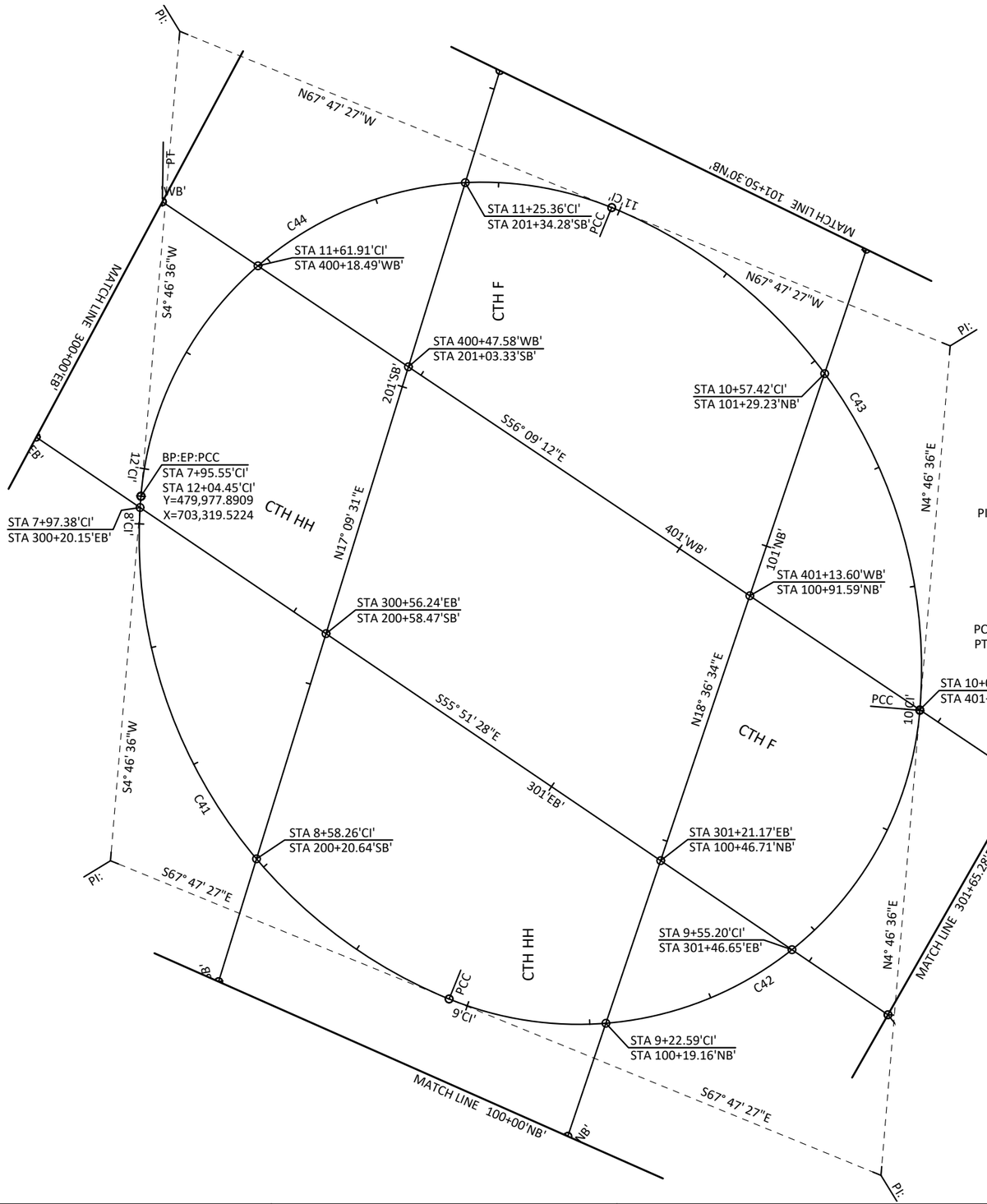


	C32	C33
PI STA =	202+00.54'SB'	203+88.84'SB'
Y =	480,082.6764	480,274.9011
X =	703,407.5346	703,384.5408
Δ =	46°38'17"	7°50'09"
D =	52°05'13"	4°05'33"
T =	47.42'	95.88'
L =	89.54'	191.47'
R =	110.00'	1,400.00'
PC STA =	201+53.13'SB'	202+92.96'SB'
PT STA =	202+42.67'SB'	204+84.43'SB'

	C23
PI STA =	105+01.98'NB'
Y =	480,365.6679
X =	703,386.1482
Δ =	9°10'19"
D =	3°49'11"
T =	120.32'
L =	240.12'
R =	1,500.00'
PC STA =	103+81.66'NB'
PT STA =	106+21.78'NB'



PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	ALIGNMENT DETAILS	SHEET 33 E



N

	C41	C42	C43	C44
PI STA =	12+63.18'CI'	9+71.79'CI'	10+58.73'CI'	11+76.24'CI'
Y =	479,919.3642	479,868.8461	480,002.0309	480,052.5489
X =	703,314.6319	703,438.3653	703,449.4943	703,325.7609
Δ =	72°34'02"	107°25'58"	72°34'02"	107°25'58"
D =	71°37'11"	104°10'27"	71°37'11"	104°10'27"
T =	58.73'	74.92'	58.73'	74.92'
L =	101.32'	103.13'	101.32'	103.13'
R =	80.00'	55.00'	80.00'	55.00'
PC STA =	7+95.55'CI'	8+96.87'CI'	10+00.00'CI'	11+01.32'CI'
PT STA =	8+96.87'CI'	10+00.00'CI'	11+01.32'CI'	12+04.45'CI'

Estimate Of Quantities

6942-01-72

Line	Item	Item Description	Unit	Total	Qty
0002	201.0205	Grubbing	STA	36.000	36.000
0004	204.0180	Removing Delineators and Markers	EACH	1.000	1.000
0006	205.0100	Excavation Common	CY	4,499.000	4,499.000
0008	208.0100	Borrow	CY	1,928.000	1,928.000
0010	213.0100	Finishing Roadway (project) 01. 6942-01-72	EACH	1.000	1.000
0012	305.0110	Base Aggregate Dense 3/4-Inch	TON	350.000	350.000
0014	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	6,540.000	6,540.000
0016	310.0110	Base Aggregate Open-Graded	TON	23.000	23.000
0018	405.0100	Coloring Concrete WisDOT Red	CY	299.000	299.000
0020	415.0070	Concrete Pavement 7-Inch	SY	4,524.000	4,524.000
0022	415.2010	Concrete Truck Apron 12-inch	SY	474.000	474.000
0024	415.4100	Concrete Pavement Joint Filling	SY	5,850.000	5,850.000
0026	415.6000.S	Rout and Seal	LF	1,133.000	1,133.000
0028	522.0415	Culvert Pipe Reinforced Concrete Class IV 15-Inch	LF	83.000	83.000
0030	522.0418	Culvert Pipe Reinforced Concrete Class IV 18-Inch	LF	30.000	30.000
0032	522.0430	Culvert Pipe Reinforced Concrete Class IV 30-Inch	LF	50.000	50.000
0034	522.1012	Apron Endwalls for Culvert Pipe Reinforced Concrete 12-Inch	EACH	7.000	7.000
0036	522.1015	Apron Endwalls for Culvert Pipe Reinforced Concrete 15-Inch	EACH	6.000	6.000
0038	522.1018	Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch	EACH	2.000	2.000
0040	522.1030	Apron Endwalls for Culvert Pipe Reinforced Concrete 30-Inch	EACH	2.000	2.000
0042	601.0405	Concrete Curb & Gutter 18-Inch Type A	LF	318.000	318.000
0044	601.0409	Concrete Curb & Gutter 30-Inch Type A	LF	2,441.000	2,441.000
0046	601.0551	Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type A	LF	734.000	734.000
0048	601.0553	Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type D	LF	296.000	296.000
0050	601.0581	Concrete Curb & Gutter 4-Inch Sloped 30-Inch Type R	LF	409.000	409.000
0052	602.0405	Concrete Sidewalk 4-Inch	SF	7,644.000	7,644.000
0054	602.0820	Concrete Driveway 8-Inch	SY	209.000	209.000
0056	608.0412	Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	LF	240.000	240.000
0058	608.0415	Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	LF	316.000	316.000
0060	611.0613	Inlet Covers Type DW	EACH	2.000	2.000
0062	611.0624	Inlet Covers Type H	EACH	3.000	3.000
0064	611.0627	Inlet Covers Type HM	EACH	6.000	6.000
0066	611.0639	Inlet Covers Type H-S	EACH	1.000	1.000
0068	611.0652	Inlet Covers Type T	EACH	3.000	3.000
0070	611.3004	Inlets 4-FT Diameter	EACH	15.000	15.000
0072	612.0106	Pipe Underdrain 6-Inch	LF	403.000	403.000
0074	618.0100	Maintenance and Repair of Haul Roads (project) 01. 6942-01-72	EACH	1.000	1.000
0076	619.1000	Mobilization	EACH	1.000	1.000
0078	620.0300	Concrete Median Sloped Nose	SF	327.000	327.000
0080	624.0100	Water	MGAL	143.000	143.000
0082	625.0100	Topsoil	SY	2,810.000	2,810.000
0084	625.0500	Salvaged Topsoil	SY	4,450.000	4,450.000
0086	627.0200	Mulching	SY	7,260.000	7,260.000
0088	628.1504	Silt Fence	LF	3,660.000	3,660.000
0090	628.1520	Silt Fence Maintenance	LF	7,320.000	7,320.000
0092	628.1905	Mobilizations Erosion Control	EACH	6.000	6.000
0094	628.1910	Mobilizations Emergency Erosion Control	EACH	4.000	4.000
0096	628.2008	Erosion Mat Urban Class I Type B	SY	1,200.000	1,200.000
0098	628.7005	Inlet Protection Type A	EACH	15.000	15.000

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Line	Item	Item Description	Unit	Total	Qty
0100	628.7010	Inlet Protection Type B	EACH	15.000	15.000
0102	628.7504	Temporary Ditch Checks	LF	70.000	70.000
0104	628.7555	Culvert Pipe Checks	EACH	40.000	40.000
0106	629.0210	Fertilizer Type B	CWT	6.000	6.000
0108	630.0120	Seeding Mixture No. 20	LB	230.000	230.000
0110	630.0140	Seeding Mixture No. 40	LB	12.000	12.000
0112	630.0200	Seeding Temporary	LB	248.000	248.000
0114	630.0500	Seed Water	MGAL	164.000	164.000
0116	633.5200	Markers Culvert End	EACH	9.000	9.000
0118	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	53.000	53.000
0120	637.0620	Sign Flags Permanent Type II	EACH	24.000	24.000
0122	637.2210	Signs Type II Reflective H	SF	327.250	327.250
0124	637.2230	Signs Type II Reflective F	SF	43.000	43.000
0126	638.2102	Moving Signs Type II	EACH	2.000	2.000
0128	638.2602	Removing Signs Type II	EACH	32.000	32.000
0130	638.3000	Removing Small Sign Supports	EACH	28.000	28.000
0132	642.5201	Field Office Type C	EACH	1.000	1.000
0134	643.0300	Traffic Control Drums	DAY	140.000	140.000
0136	643.0420	Traffic Control Barricades Type III	DAY	2,392.000	2,392.000
0138	643.0705	Traffic Control Warning Lights Type A	DAY	3,312.000	3,312.000
0140	643.0900	Traffic Control Signs	DAY	2,484.000	2,484.000
0142	643.1050	Traffic Control Signs PCMS	DAY	28.000	28.000
0144	643.5000	Traffic Control	EACH	1.000	1.000
0146	645.0111	Geotextile Type DF Schedule A	SY	179.000	179.000
0148	646.2020	Marking Line Epoxy 6-Inch	LF	6,716.000	6,716.000
0150	646.4020	Marking Line Epoxy 10-Inch	LF	287.000	287.000
0152	646.6320	Marking Dotted Extension Epoxy 18-Inch	LF	76.000	76.000
0154	646.7120	Marking Diagonal Epoxy 12-Inch	LF	186.000	186.000
0156	646.8120	Marking Curb Epoxy	LF	78.000	78.000
0158	646.8220	Marking Island Nose Epoxy	EACH	4.000	4.000
0160	650.4000	Construction Staking Storm Sewer	EACH	22.000	22.000
0162	650.4500	Construction Staking Subgrade	LF	892.000	892.000
0164	650.5000	Construction Staking Base	LF	892.000	892.000
0166	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	152.000	152.000
0168	650.6000	Construction Staking Pipe Culverts	EACH	1.000	1.000
0170	650.8501	Construction Staking Electrical Installations (project) 01. 6942-01-72	EACH	1.000	1.000
0172	650.9500	Construction Staking Sidewalk (project) 01. 6942-01-72	EACH	1.000	1.000
0174	650.9911	Construction Staking Supplemental Control (project) 01. 6942-01-72	EACH	1.000	1.000
0176	650.9920	Construction Staking Slope Stakes	LF	892.000	892.000
0178	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	2,158.000	2,158.000
0180	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	32.000	32.000
0182	653.0154	Pull Boxes Non-Conductive 24x36-Inch	EACH	4.000	4.000
0184	654.0106	Concrete Bases Type 6	EACH	16.000	16.000
0186	654.0224	Concrete Control Cabinet Bases Type L24	EACH	1.000	1.000
0188	655.0610	Electrical Wire Lighting 12 AWG	LF	2,496.000	2,496.000
0190	655.0620	Electrical Wire Lighting 8 AWG	LF	7,734.000	7,734.000
0192	656.0201	Electrical Service Meter Breaker Pedestal (location) 01. STA 101+20NB	EACH	1.000	1.000
0194	657.0255	Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	EACH	16.000	16.000
0196	657.0327	Poles Type 6-Aluminum	EACH	16.000	16.000

Estimate Of Quantities

6942-01-72

Line	Item	Item Description	Unit	Total	Qty
0198	657.0615	Luminaire Arms Single Member 4 1/2-Inch Clamp 8-FT	EACH	16.000	16.000
0200	659.1120	Luminaires Utility LED B	EACH	16.000	16.000
0202	659.2124	Lighting Control Cabinets 120/240 24-Inch	EACH	1.000	1.000
0204	690.0150	Sawing Asphalt	LF	238.000	238.000
0206	715.0720	Incentive Compressive Strength Concrete Pavement	DOL	1,500.000	1,500.000
0208	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	1,200.000	1,200.000
0210	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	600.000	600.000
0212	SPV.0060	Special 01. Construction Staking Roundabout CTH F/HH	EACH	1.000	1.000

GRUBBING

STATION	LOCATION	201.0205 GRUBBING STA
295+00EB - 300+OOEB	RT	5
295+00EB - 300+OOEB	LT	5
302+00EB - 306+00EB	RT	4
302+00EB - 306+00EB	LT	4
95+00NB - 100+00NB	RT	5
95+00NB - 100+00NB	LT	5
102+00NB - 106+00NB	RT	4
102+00NB - 106+00NB	LT	4
PROJECT TOTALS		36

DRIVEWAY ITEMS

STATION	*305.0110 BASE AGGREGATE DENSE 3/4-INCH (TON)	**465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES (TON)	REMARKS
103+60NB	25	21	ASPH
298+60EB	26	13	ASPH
304+50EB	11	11	ASPH
96+50NB	20	10	ASPH
PROJECT TOTALS	83	55	

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

**QUANTITIES FOR INFORMATIONAL PURPOSES ONLY (WORK BY OTHERS)

REMOVING MARKERS

STATION	LOCATION	204.0180 REMOVING DELINEATORS AND MARKERS EACH	REMARKS
302+90'EB'	RT	1	R/W
PROJECT TOTAL		1	

BASE AGGREGATE DENSE

STATION - STATION	*305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	624.0100 WATER MGAL	REMARKS
295+09 - 297+50	56	1092	23	
304+20 - 306+53	36	1001	21	
95+48 - 97+67	38	837	18	
104+23 - 106+22	34	793	17	
297+50 - 298+90	30	304	7	
302+96 - 304+20	14	294	7	
97+67 - 98+48	17	195	5	
102+70 - 104+23	27	304	7	
298+90 - 300+00	-	244	5	
301+75 - 302+96	-	256	6	
98+48 - 100+00	-	262	6	
101+60 - 102+70	-	296	6	
7+96 - 12+04	-	662	14	
19+40 - 20+00	15	-	1	TOWN HALL ROAD
PROJECT TOTALS	267	6540	143	

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

CONCRETE PAVEMENT ITEMS

LOCATION	405.0100 COLORING CONCRETE WISDOT RED CY	415.0070 CONCRETE PAVEMENT 7-INCH SY	415.2010 CONCRETE TRUCK APRON 12-INCH SY	415.4100 CONCRETE PAVEMENT JOINT FILLING SY	415.6000.S ROUT AND SEAL LF	602.0405 CONCRETE SIDEWALK 4-INCH SF	602.0820 CONCRETE DRIVEWAY 8-INCH SY
297+50EB - 298+90EB	8	350	-	350	310	-	33
302+96EB - 304+20EB	-	333	-	333	299	-	-
97+67NB - 98+48NB	9	129	-	203	214	665	-
102+70NB - 104+23NB	23	352	-	352	310	-	100
298+90EB - 300+00EB	12	556	-	662	-	954	-
301+75EB - 302+96EB	16	579	-	721	-	1271	-
98+48NB - 100+00NB	38	635	-	822	-	1675	76
101+60NB - 102+70NB	35	549	-	857	-	2771	-
CENTER ISLAND	158	1041	474	1550	-	308	-
PROJECT TOTALS	299	4524	474	5850	1133	7644	209

EARTHWORK SUMMARY (PROJECT ID 6942-01-72)

CATEGORY 0010

SUBSTAGE	FROM/TO STATION	LOCATION	205.0100 COMMON EXCAVATION (1) CUT (2)	SALVAGED / UNUSABLE PAVEMENT MATERIAL (3)	AVAILABLE MATERIAL (4)	UNEXPANDED FILL	EXPANDED FILL (5) FACTOR 1.25	MASS ORDINATE +/- (6)	WASTE	208.0100 BORROW	COMMENT:
	295+09 - 300+00	CTH HH 'EB'	610	173	437	423	529	-92			
	301+65 - 306+53	CTH F 'EB'	679	204	475	70	88	388			
	395+73 - 400+00	CTH HH 'WB'	463	125	338	362	453	-115			
	401+66 - 405+98	CTH F 'WB'	336	108	228	222	278	-50			
	95+48 - 100+00	CTH HH 'NB'	711	164	547	24	30	517			
	101+50 - 106+22	CTH F 'NB'	447	49	398	321	401	-3			
	195+50 - 200+00	CTH HH 'SB'	392	62	330	128	160	170			
	201+53 - 205+25	CTH F 'SB'	682	168	514	81	101	413			
	8+00 - 12+00	RAB 'CI'	0	163	-163	1,359	1,699	-1,862			
	-	TOWN HALL 'TH'	171	18	153	1	1	152			(7)
	-	RAB INNER CIRCLE	0	68	-68	960	1,200	-1,268			(7)
	-	RAB OUTER QUADRANTS	8	0	8	149	186	-178			(7)
		PROJECT TOTALS	4,499	1,302				-1,928	1,302	1,928	

NOTES:

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

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

(3) SALVAGED/UNUSABLE PAVEMENT MATERIAL

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

(5) EXPANDED FILL FACTOR = 1.25

DEPENDING ON SELECTIONS:

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

(7) EARTHWORK VOLUMES CALCULATED USING A SURFACE TO SURFACE COMPARISION

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ASPHALTIC PAVEMENT ITEMS (WORK BY OTHERS)

STATION	LOWER LAYER THICKNESS IN	UPPER LAYER THICKNESS IN	*455.0605 TACK COAT GAL	*460.6223 HMA PAVEMENT 3 MT 58-28 S TON	*460.6424 HMA PAVEMENT 4 MT 58-28 H TON	REMARKS
295+09 - 297+50	2.75	2.25	47	142	116	
304+20 - 306+53	2.75	2.25	46	141	115	
95+48 - 97+67	2.75	2.25	39	118	97	
104+23 - 106+22	2.75	2.25	34	104	85	
297+50 - 298+90	2.75	2.25	6	18	15	
302+96 - 304+20	2.75	2.25	6	18	15	
97+67 - 98+48	2.75	2.25	4	11	9	
102+70 - 104+23	2.75	2.25	6	18	15	
98+50 - 99+50	2.75	2.25	9	27	23	TOWN HALL RD
PROJECT TOTALS			188	570	467	

*QUANTITIES FOR INFORMATIONAL PURPOSES ONLY

ASPHALTIC FLUMES (WORK BY OTHERS)

LOCATION	*465.0315 ASPHALTIC FLUMES SY
103+25NB	11
102+76NB	8
99+30NB	10
298+65EB	11
298+85EB	11
303+00EB	7
PROJECT TOTALS	58

*QUANTITIES FOR INFORMATIONAL PURPOSES ONLY

CONCRETE MEDIAN SLOPED NOSE

STATION	LOCATION	620.0300 CONCRETE MEDIAN SLOPED NOSE SF
297+55EB	LT	84
304+15EB	LT	84
97+70NB	LT	82
104+20NB	LT	77
PROJECT TOTALS		327

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CULVERT PIPE ITEMS

CL STATION	INLET STATION	INLET OFFSET	INLET ELEV. (FT)	OUTLET STATION	OUTLET OFFSET	OUTLET ELEV. (FT)	SLOPE (%)	522.1015 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 15-INCH EACH	522.1018 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH EACH	522.1030 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 30-INCH EACH	522.0415 CULVERT PIPE REINFORCED CONCRETE CLASS IV 15-INCH LF	522.0418 CULVERT PIPE REINFORCED CONCRETE CLASS IV 18-INCH LF	522.0430 CULVERT PIPE REINFORCED CONCRETE CLASS IV 30-INCH LF	*633.5200 MARKERS CULVERT END EACH	**JOINT TIES EACH
295+65EB	295+63.72EB	24.22	1114.33'	295+65.09EB	25.71	1113.71'	1.2	-	-	2	-	-	50	2	12
298+59EB	298+44.71EB	35.95	1115.64'	298+73.40EB	36.52	1115.34'	1.0	-	2	-	-	30	-	-	12
203+37SB	203+55.10SB	30.56	1117.00'	203+22.17SB	31.25	1116.50'	1.5	2	-	-	34	-	-	-	12
19+29TH	19+46TH	26.36	1116.82'	19+13TH	25.41	1116.58'	1.0	2	-	-	24	-	-	-	12
196+28SB	196+38.77SB	37.68	1116.80'	196+14.58SB	37.33	1116.49	1.3	2	-	-	25	-	-	-	12
PROJECT TOTALS								6	2	2	83	30	50	2	60

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

**NON-BID ITEM: FOR INFORMATION ONLY

3

CONCRETE CURB & GUTTER

STATION - STATION	601.0405 CONCRETE CURB & GUTTER 18-INCH TYPE A LF	601.0409 CONCRETE CURB & GUTTER 30-INCH TYPE A LF	601.0551 CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A LF	601.0553 CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D LF	601.0581 CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R LF	REMARKS
304+20EB - 306+53EB	-	-	153	-	-	
297+50EB - 298+90EB	-	-	205	-	-	
302+96EB - 304+20EB	-	-	-	296	-	
97+67NB - 98+48NB	-	-	169	-	-	
102+70NB - 104+23NB	-	-	207	-	-	
298+90EB - 300+00EB	-	593	-	-	-	
301+75EB - 302+96EB	-	599	-	-	-	
98+48NB - 100+00NB	-	598	-	-	-	
101+60NB - 102+70NB	-	651	-	-	-	
7+96 - 12+04	318	-	-	-	409	CENTER ISLAND
PROJECT TOTALS	318	2441	734	296	409	

STORM SEWER PIPES

FROM	TO	608.0412 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH LF	608.0415 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 15-INCH LF	**JOINT TIES EACH	INLET ELEVATION FT	OUTLET ELEVATION FT	PIPE SLOPE %
1B	1A	8	-	-	1115.06	1115.02	0.50
1A	AEW-1	29	-	6	1115.02	1114.88	0.50
AEW-6B	6D	-	15	6	1115.61	1115.55	0.40
6D	6B	-	137	-	1115.45	1114.82	0.50
6B	6A	-	151	-	1114.72	1114.02	0.50
6A	AEW-6A	-	13	6	1113.92	1113.86	0.40
2B	2A	8	-	-	1115.47	1115.43	0.50
2A	AEW-2	24	-	6	1115.43	1115.31	0.50
3C	3B	22	-	-	1117.33	1117.23	0.50
3B	3A	14	-	-	1117.23	1117.16	0.50
3A	AEW-3	31	-	6	1117.16	1117.01	0.50
4C	4B	10	-	-	1116.96	1116.91	0.50
4B	4A	10	-	-	1116.91	1116.86	0.50
4A	AEW-4	37	-	6	1116.86	1116.67	0.50
5B	5A	15	-	-	1116.43	1116.34	0.50
5A	AEW-5	32	-	6	1116.34	1116.18	0.50
PROJECT TOTALS		240	316	42			

**NON-BID ITEM: FOR INFORMATION ONLY

STORM SEWER STRUCTURE ITEMS

NAME	522.1012 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 12-INCH EACH	611.0613 INLET COVERS TYPE DW EACH	611.0627 INLET COVERS TYPE HM EACH	611.0624 INLET COVERS TYPE H EACH	611.0639 INLET COVERS TYPE H-S EACH	611.0652 INLET COVERS TYPE T EACH	611.3004 INLETS 4-FT DIAMETER EACH	*633.5200 MARKERS CULVERT END EACH	RIM ELEVATION FT	INVERT ELEVATION FT	**DEPTH FT
1A	-	-	1	-	-	-	1	-	1118.74	1115.02	2.72
1B	-	-	1	-	-	-	1	-	1118.39	1115.06	2.33
AEW-1	1	-	-	-	-	-	-	1	-	-	-
2A	-	-	1	-	-	-	1	-	1118.80	1115.43	2.37
2B	-	-	1	-	-	-	1	-	1118.80	1115.47	2.33
AEW-2	1	-	-	-	-	-	-	1	-	-	-
6A	-	-	1	-	-	-	1	-	1117.67	1113.92	2.75
6B	-	-	1	-	-	-	1	-	1118.45	1114.72	2.73
6D	-	-	-	1	-	-	1	-	1119.29	1115.45	2.84
AEW-6B	1	-	-	-	-	-	-	1	-	-	-
AEW-6A	1	-	-	-	-	-	-	1	-	-	-
3A	-	1	-	-	-	-	1	-	1120.72	1117.16	2.56
3B	-	1	-	-	-	-	1	-	1120.67	1117.23	2.44
3C	-	-	-	-	1	-	1	-	1120.33	1117.33	2
AEW-3	1	-	-	-	-	-	-	1	-	-	-
4A	-	-	-	-	-	1	1	-	1120.29	1116.86	2.35
4B	-	-	-	-	-	1	1	-	1120.29	1116.91	2.30
4C	-	-	-	-	-	1	1	-	1120.29	1116.96	2.25
AEW-4	1	-	-	-	-	-	-	1	-	-	-
5A	-	-	-	1	-	-	1	-	1120.12	1116.34	2.78
5B	-	-	-	1	-	-	1	-	1119.75	1116.42	2.33
AEW-5	1	-	-	-	-	-	-	1	-	-	-
PROJECT TOTALS	7	2	6	3	1	3	15	7			

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RESTORATION ITEMS

STATION - STATION	625.0100 TOPSOIL SY	625.0500 SALVAGED TOPSOIL SY	627.0200 MULCHING SY	629.0210 FERTILIZER TYPE B CWT	630.0120 SEEDING MIXTURE NO. 20 LB	630.0140 SEEDING MIXTURE NO. 40 LB	630.0200 SEEDING TEMPORARY LB	630.0500 SEED WATER MGAL
ENTIRE PROJECT	2248	3562	5810	4.70	184	9	198	131
UNDISTRIBUTED (25%)	562	888	1450	1.30	46	3	50	33
PROJECT TOTALS	2810	4450	7260	6.00	230	12	248	164

EROSION CONTROL ITEMS

STATION	LT/RT	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.2008 EROSION MAT URBAN CLASS I TYPE B SY	628.7005 INLET PROTECTION TYPE A EACH	628.7010 INLET PROTECTION TYPE B EACH	628.7504 TEMPORARY DITCH CHECKS LF	628.7555 CULVERT PIPE CHECKS EACH	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATONS EMERGENCY EROSION CONTROL EACH	REMARKS
295+00EB - 300+00EB	LT/RT	395	790	-	-	-	-	-	-	-	EASTERN APPROACH
301+50EB - 307+00EB	LT/RT	885	1770	-	-	-	29	-	-	-	WESTERN APPROACH
95+00NB - 100+00NB	LT/RT	855	1710	-	-	-	-	-	-	-	SOUTHERN APPROACH
101+50NB - 106+50NB	LT/RT	790	1580	-	-	-	26	-	-	-	NORTHERN APPROACH
100+00NB - 101+50NB	LT/RT	-	-	520	-	-	-	-	-	-	CENTRAL INTERSECTION
295+65EB	LT/RT	-	-	-	-	-	-	6	-	-	
298+59.10EB	RT	-	-	-	-	-	-	6	-	-	
203+37.36SB	RT	-	-	-	-	-	-	6	-	-	
198+91.59SB	LT	-	-	-	-	-	-	6	-	-	
196+27.81SB	LT	-	-	-	-	-	-	6	-	-	
102+97NB	LT	-	-	-	1	1	-	-	-	-	
103+00NB	LT	-	-	-	1	1	-	-	-	-	
101+31NB	RT	-	-	-	1	1	-	-	-	-	
101+27NB	RT	-	-	-	1	1	-	-	-	-	
101+20NB	LT	-	-	-	1	1	-	-	-	-	
99+28NB	RT	-	-	-	1	1	-	-	-	-	
99+26NB	LT	-	-	-	1	1	-	-	-	-	
99+23NB	LT	-	-	-	1	1	-	-	-	-	
405+60WB	LT	-	-	-	1	1	-	-	-	-	
404+08WB	LT	-	-	-	1	1	-	-	-	-	
404+09WB	RT	-	-	-	2	2	-	-	-	-	
402+75WB	LT	-	-	-	1	1	-	-	-	-	
397+55WB	RT	-	-	-	2	2	-	-	-	-	
295+65EB	RT/LT	-	-	68	-	-	-	-	-	-	
298+59.10EB	RT	-	-	81	-	-	-	-	-	-	
203+37.36SB	LT	-	-	54	-	-	-	-	-	-	
198+91.59SB	LT	-	-	54	-	-	-	-	-	-	
196+27.81SB	LT	-	-	54	-	-	-	-	-	-	
297+53EB	RT	-	-	20	-	-	-	-	-	-	AEW-1
304+11EB	RT	-	-	20	-	-	-	-	-	-	AEW-2
99+17NB	LT	-	-	20	-	-	-	-	-	-	AEW-3
101+32NB	RT	-	-	20	-	-	-	-	-	-	AEW-4
103+02NB	LT	-	-	20	-	-	-	-	-	-	AEW-5
405+70WB	LT	-	-	20	-	-	-	-	-	-	AEW-6A
402+67WB	LT	-	-	20	-	-	-	-	-	-	AEW-6B
VARIES	-	-	-	-	-	-	-	-	6	4	
UNDISTRIBUTED (25%)		735	1470	229	-	-	15	10	-	-	
PROJECT TOTALS		3660	7320	1200	15	15	70	40	6	4	

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PIPE UNDERDRAIN ITEMS

STATION	LOCATION	310.0110 BASE AGGREGATE OPEN GRADED TON	612.0106 PIPE UNDERDRAIN 6-INCH LF	645.0111 GEOTEXTILE TYPE DF SCHEDULE A SY	REMARKS
100+15NB - 101+70NB	LT/RT	23	403	179	RAB-CENTER ISLAND FLANGE
PROJECT TOTALS		23	403	179	

SIGNING REMOVAL AND MOVING ITEMS

SIGN NUMBER	SIGN CODE	MESSAGE	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	638.2102 MOVING SIGNS TYPE II EACH	REMARKS
R1-01	R2-1	SPEED LIMIT 50	1	1	-	
R1-02	J12-1	CTH F (U/LA) CTH HH (RA)	2	2	-	
R1-03	R1-1	STOP	1	1	-	
R1-04	M1-5A	COUNTY F	1	1	-	
R1-05	R1-1	STOP	1	1	-	
R1-06	J12-1	CTH HH (LA) CTH F (U/RA)	2	2	-	
R1-07	R5-51	NO ATV TRAFFIC	1	1	-	
R1-08	J12-1	CTH HH (U/LA) CTH F (RA)	2	2	-	
R1-09	R1-1	STOP	1	1	-	
R1-10	M1-5A	COUNTY F	1	1	-	
R1-11	R1-1	STOP	1	1	-	
R1-12	J12-1	CTH F (LA) CTH HH (U/RA)	2	2	-	
R1-13	R5-51	NO ATV TRAFFIC	1	1	-	
R1-14	D11-1	BIKE ROUTE	1	1	-	
R1-15	R2-1	SPEED LIMIT 55	1	1	-	
R2-01	W3-1	STOP AHEAD	1	1	-	
R2-02	W3-1	STOP AHEAD	1	-	-	
R2-03	W3-1	STOP AHEAD	1	1	-	
R2-04	W3-1	STOP AHEAD	1	-	-	
R2-05	M1-5A	JCT COUNTY F	1	1	-	
R2-06	R1-1	STOP	1	1	-	
R2-07	R5-51	NO ATV TRAFFIC	1	1	-	
R2-08	R2-1	SPEED LIMIT 50	1	1	-	
R2-09	M1-5A	JCT COUNTY F	1	1	-	
R2-10	W3-1	STOP AHEAD	1	1	-	
R2-11	W3-1	STOP AHEAD	1	-	-	
R2-12	W3-1	STOP AHEAD	1	1	-	
R2-13	W3-1	STOP AHEAD	1	-	-	
M01-01	I-55-56P	ADOPT-A-HIGHWAY (VESPER LIONS)	-	-	1	
M03-01	I-55-56P	ADOPT-A-HIGHWAY (VESPER LIONS)	-	-	1	
		PROJECT TOTALS	32	28	2	

PERMANENT SIGNING ITEMS (1 OF 2)

SIGN NUMBER	SIGN CODE	SIZE (INCH)	SIZE (INCH)	MESSAGE	634.0616 POSTS WOOD 4X6-INCH X 16-FT EACH	637.0620 SIGN FLAGS PERMANENT TYPE II EACH	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	REMARKS
1-1	R1-2	36	31	YIELD	1	2	7.75	-	
1-2	R1-2	36	31	YIELD	1	2	7.75	-	
1-3	D1-1	36	18	ONE DESTINATION (HH) RA	1	-	4.50	-	
1-4	M1-5A	24	24	COUNTY HH	1	-	4.00	-	
1-5	R5-1A	36	24	WRONG WAY	-	-	6.00	-	
1-6	R1-2	36	31	YIELD	1	2	7.75	-	
1-7	R1-2	36	31	YIELD	1	2	7.75	-	
1-8	R6-1R	36	12	ONE WAY	-	-	3.00	-	
1-9	R6-4B	60	24	RIGHT ARROWS	2	-	10.00	-	
1-10	R6-1R	36	12	ONE WAY	-	-	3.00	-	
1-11	R6-4B	60	24	RIGHT ARROWS	2	-	10.00	-	
1-12	D1-1	36	18	ONE DESTINATION (F) RA	1	-	4.50	-	
1-13	M1-5A	24	24	COUNTY F	1	-	4.00	-	
1-14	R5-1A	36	24	WRONG WAY	-	-	6.00	-	
1-15	R1-2	36	31	YIELD	1	2	7.75	-	
1-16	R1-2	36	31	YIELD	1	2	7.75	-	
1-17	D1-1	36	18	ONE DESTINATION (F) RA	1	-	4.50	-	
1-18	M1-5A	24	24	COUNTY F	1	-	4.00	-	
1-19	R5-1A	36	24	WRONG WAY	-	-	6.00	-	
1-20	R1-2	36	31	YEILD	1	2	7.75	-	
1-21	R1-2	36	31	YEILD	1	2	7.75	-	
1-22	R6-1R	36	12	ONE WAY	-	-	3.00	-	
1-23	R6-4B	60	24	RIGHT ARROWS	2	-	10.00	-	
1-24	R6-1R	36	12	ONE WAY	-	-	3.00	-	
1-25	R6-4B	60	24	RIGHT ARROWS	2	-	10.00	-	
1-26	D1-1	36	18	ONE DESTINATION (HH) RA	1	-	4.50	-	
1-27	M1-5A	24	24	COUNTY HH	1	-	4.00	-	
1-28	R5-51	24	24	NO ATV TRAFFIC	-	-	4.00	-	
1-29	R5-1A	36	24	WRONG WAY	-	-	6.00	-	
1-30	D11-1	24	18	BIKE ROUTE	-	-	3.00	-	
2-1	W2-6	30	30	ROUNDABOUT AHEAD	1	2	-	6.25	
2-2	W13-1	18	18	20 MPH	1	-	-	2.25	
2-3	J13-2	48	45	CTH F (U/LA) CTH HH (RA)	2	-	15.00	-	
2-4	R4-7	24	30	KEEP RIGHT	1	-	5.00	-	
2-5	W5-54	18	18	IN ROAD OBJECT MARKER	1	-	-	2.25	
2-6	R2-1	24	30	SPEED LIMIT 50	1	-	5.00	-	
2-7	R5-1	30	30	DO NOT ENTER	-	-	6.25	-	
2-8	R2-1	24	30	SPEED LIMIT 50	1	-	5.00	-	
2-9	R5-1	30	30	DO NOT ENTER	-	-	6.25	-	

CONTINUED ON NEXT PAGE

PERMANENT SIGNING ITEMS (2 OF 2)

SIGN NUMBER	SIGN CODE	SIZE (INCH)	SIZE (INCH)	MESSAGE	634.0616 POSTS WOOD 4X6-INCH X 16-FT EACH	637.0620 SIGN FLAGS PERMANENT TYPE II EACH	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	REMARKS
2-10	W2-6	30	30	ROUNDABOUT AHEAD	1	2	-	6.25	
2-11	W13-1	18	18	20 M.P.H.	-	-	-	2.25	
2-12	J13-2	48	45	CTH HH (U/LA) CTH F (RA)	2	-	15.00	-	
2-13	R5-51	24	24	NO ATV TRAFFIC	1	-	4.00	-	
2-14	R4-7	24	30	KEEP RIGHT	1	-	5.00	-	
2-15	W5-54	18	18	IN ROAD OBJECT MARKER	1	-	-	2.25	
3-1	J1-1	24	39	JCT COUNTY F	1	-	6.50	-	
3-2	W2-6	30	30	ROUNDABOUT AHEAD	1	2	-	6.25	
3-3	W13-1	18	18	20 M.P.H.	-	-	-	2.25	
3-4	J13-2	48	45	CTH HH (LA) CTH F (U/RA)	2	-	15.00	-	
3-5	R4-7	24	30	KEEP RIGHT	1	-	5.00	-	
3-6	W5-54	18	18	IN ROAD OBJECT MARKER	1	-	-	2.25	
3-7	R1-1	30	30	STOP	1	-	6.25	-	
3-8	R2-1	24	30	SPEED LIMIT 55	1	-	5.00	-	
3-9	R5-1	30	30	DO NOT ENTER	-	-	6.25	-	
3-10	R2-1	24	30	SPEED LIMIT 55	1	-	5.00	-	
3-11	R5-1	30	30	DO NOT ENTER	-	-	6.25	-	
3-12	J1-1	24	39	JCT COUNTY HH	1	-	6.50	-	
3-13	W2-6	30	30	ROUNDABOUT AHEAD	1	2	-	6.25	
3-14	W13-1	18	18	20 M.P.H.	-	-	-	2.25	
3-15	J13-2	48	45	CTH F (LA) CTH HH (U/RA)	2	-	15.00	-	
3-16	R4-7	24	30	KEEP RIGHT	1	-	5.00	-	
3-17	W5-54	18	18	IN ROAD OBJECT MARKER	1	-	-	2.25	
				PROJECT TOTALS	53	24	327.25	43.00	

TRAFFIC CONTROL ITEMS

PROJECT LOCATION	APPROX. SERVICE PERIOD DAYS	QTY.	643.0300 TRAFFIC CONTROL DRUMS DAY	QTY.	643.0420 TRAFFIC CONTROL BARRICADES TYPE III DAY	QTY.	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A DAY	QTY.	643.0900 TRAFFIC CONTROL SIGNS DAY	QTY.	643.1050 TRAFFIC CONTROL SIGNS PCMS DAY	REMARKS
PRE-WARNING	7	20	140	0	0	0	0	0	0	4	28	PRE-WARN PRIOR TO CONSTRUCTION START
ENTIRE PROJECT	92	0	0	26	2392	36	3312	27	2,484	0	0	
	PROJECT TOTALS		140		2392		3312		2,484		28	

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PAVEMENT MARKING ITEMS

STATION	TO	STATION	LOCATION	646.2020 MARKING LINE EPOXY 6-INCH (YELLOW, SOLID) LF	646.2020 MARKING LINE EPOXY 6-INCH (WHITE, SOLID) LF	646.2020 MARKING LINE EPOXY 6-INCH (WHITE, 9-FT SKIPS) LF	646.4020 MARKING LINE EPOXY 10-INCH (WHITE, SOLID) LF	646.6320 MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE, 2-FT SKIPS) LF	646.7120 MARKING DIAGONAL EPOXY 12-INCH (YELLOW, SOLID) LF	646.8120 MARKING CURB EPOXY (YELLOW) LF	646.8220 MARKING ISLAND NOSE EPOXY (YELLOW) EACH
295+09	-	299+77	LT/RT	882	807	39	-	-	48	23	1
101+50	-	106+23	LT/RT	782	672	51	-	-	39	17	1
95+48	-	99+66	LT/RT	900	646	51	-	-	49	19	1
401+88	-	406+51	LT/RT	882	782	39	-	-	50	19	1
99+48	-	100+00	LT/RT	43	-	-	71	18	-	-	-
101+50	-	102+18	LT/RT	44	-	-	73	20	-	-	-
399+27	-	400+00	LT/RT	53	-	-	69	18	-	-	-
401+65	-	402+26	LT/RT	43	-	-	74	20	-	-	-
PROJECT TOTALS					6716		287	76	186	78	4

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CONSTRUCTION STAKING ITEMS

STATION - STATION	650.4000 CONSTRUCTION STAKING STORM SEWER EACH	650.4500 CONSTRUCTION STAKING SUBGRADE LF	650.5000 CONSTRUCTION STAKING BASE LF	650.5500 CONSTRUCTION STAKING CURB GUTTER CURB & GUTTER LF	650.6000 CONSTRUCTION STAKING PIPE CULVERTS EACH	650.9920 CONSTRUCTION STAKING SLOPE STAKES LF
295+09EB -297+50EB	-	241	241	-	-	241
304+20EB - 306+53EB	-	233	233	152	-	233
95+48NB - 97+67NB	-	219	219	-	-	219
104+23NB - 106+22NB	-	199	199	-	-	199
PROJECT	22	-	-	-	1	-
PROJECT TOTALS	22	892	892	152	1	892

CONSTRUCTION STAKING ITEMS

STATION	650.8501.01 CONSTRUCTION STAKING ELECTRICAL INSTALLATIONS (6942-01-72) EACH	650.9911.01 CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (6942-01-72) EACH	SPV.0060.01 CONSTRUCTION STAKING ROUNDABOUT CTH F/HH EACH
PROJECT	1	1	1
PROJECT TOTALS	1	1	1

SAWING ITEMS

STATION	690.0150 SAWING ASPHALT LF	REMARKS
295+09	36	BEGIN PROJECT
306+53	36	END PROJECT
106+22	30	END CONSTRUCTION
95+48	30	BEGIN CONSTRUCTION
19+40	26	TOWN HALL RD
298+80	16	PE
304+50	31	PE
103+50	16	PE
96+50	17	PE
PROJECT TOTALS	238	

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LIGHTING ELECTRICAL WIRE AND CONDUIT ITEMS

FROM	TO	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH (FT)	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH (FT)	655.0610 ELECTRICAL WIRE LIGHTING 12 AWG (FT)	655.0620 ELECTRICAL WIRE LIGHTING 8 AWG (FT)
LCC-A	LPB2	-	32	0	156
LPB2	LCC-A-8	37	-	156	141
LCC-A-8	LPB3	45	-	0	165
LPB3	LCC-A-11	77	-	156	261
LCC-A-11	LCC-A-10	177	-	156	561
LCC-A-10	LCC-A-9	187	-	156	591
LCC-A-11	LCC-A-12	116	-	156	378
LCC-A-12	LPB4	64	-	0	222
LPB4	LCC-A-15	90	-	156	300
LCC-A-15	LCC-A-16	72	-	156	246
LCC-A-15	LCC-A-14	168	-	156	1068
LCC-A-14	LCC-A-13	171	-	156	543
LPB2	LCC-A-7	29	-	156	117
LCC-A-7	LCC-A-6	164	-	156	522
LCC-A-6	LCC-A-5	176	-	156	558
LCC-A-7	LPB1	79	-	0	267
LPB1	LCC-A-4	58	-	156	204
LCC-A-4	LCC-A-3	111	-	156	363
LCC-A-3	LCC-A-2	176	-	156	558
LCC-A-2	LCC-A-1	161	-	156	513
ITEM TOTALS		2158	32	2496	7734

LIGHTING CONTROL CABINET ITEMS

CABINET	654.0224 CONCRETE CONTROL CABINET BASES TYPE L24 EACH	656.0201 ELECTRICAL SERVICE METER BREAKER PEDESTAL 01. (STA 101+20NB) EACH	659.2124 LIGHTING CONTROL CABINETS 120/240 24-INCH EACH
LCC-A	1	1	1
ITEM TOTALS	1	1	1

PULL BOX ITEMS

NO.	653.0154 PULL BOXES NON-CONDUCTIVE 24" X 36" EACH
LPB1	1
LPB2	1
LPB3	1
LPB4	1
ITEM TOTALS	4

LIGHTING UNIT ITEMS

LIGHTING UNIT NO.	654.0106 CONCRETE BASES TYPE 6 EACH	657.0255 TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH	657.0327 POLES TYPE 6-ALUMINUM EACH	657.0615 LUMINAIRE ARMS SINGLE MEMBER 4 1/2-INCH CLAMP 8-FT EACH	659.1120 LUMINAIRES UTILITY LED B EACH
LCC-A-1	1	1	1	1	1
LCC-A-2	1	1	1	1	1
LCC-A-3	1	1	1	1	1
LCC-A-4	1	1	1	1	1
LCC-A-5	1	1	1	1	1
LCC-A-6	1	1	1	1	1
LCC-A-7	1	1	1	1	1
LCC-A-8	1	1	1	1	1
LCC-A-9	1	1	1	1	1
LCC-A-10	1	1	1	1	1
LCC-A-11	1	1	1	1	1
LCC-A-12	1	1	1	1	1
LCC-A-13	1	1	1	1	1
LCC-A-14	1	1	1	1	1
LCC-A-15	1	1	1	1	1
LCC-A-16	1	1	1	1	1
ITEM TOTALS	16	16	16	16	16

CONVENTIONAL SYMBOLS

SECTION LINE
QUARTER LINE
SIXTEENTH LINE
NEW REFERENCE LINE
NEW R/W LINE
EXISTING R/W OR HE LINE
PROPERTY LINE
LOT, TIE & OTHER MINOR LINES
SLOPE INTERCEPT
CORPORATE LIMITS
UNDERGROUND FACILITY (COMMUNICATIONS, ELECTRIC, ETC)
NEW R/W (FEE OR HE) (HATCHING VARIES BY OWNER)
TEMPORARY LIMITED EASEMENT AREA
EASEMENT AREA (PERMANENT LIMITED OR RESTRICTED DEVELOPMENT)
TRANSMISSION STRUCTURES
BUILDING
TO BE REMOVED
BRIDGE
CULVERT

SECTION CORNER SYMBOL
SECTION CORNER MONUMENT
R/W MONUMENT (TO BE SET)
NON-MONUMENTED R/W POINT
FOUND IRON PIN (1-INCH UNLESS NOTED)
GEODETIC SURVEY MONUMENT
SIXTEENTH CORNER MONUMENT
SIGN
OFF-PREMISE SIGN

	COMPENSABLE	NON-COMPENSABLE
ELECTRIC POLE		
TELEPHONE POLE		
PEDESTAL (LABEL TYPE) (TV, TEL, ELEC, ETC.)		

ACCESS RESTRICTED BY ACQUISITION
NO ACCESS (BY STATUTORY AUTHORITY)
ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)
NO ACCESS (NEW HIGHWAY)
PARCEL NUMBER 25
UTILITY NUMBER 40
PARALLEL OFFSETS

CONVENTIONAL UTILITY SYMBOLS

WATER
GAS
TELEPHONE
OVERHEAD TRANSMISSION LINES
ELECTRIC
CABLE TELEVISION
FIBER OPTIC
SANITARY SEWER
STORM SEWER
ELECTRIC TOWER

CONVENTIONAL ABBREVIATIONS

ACCESS RIGHTS	AR	POINT OF COMPOUND CURVE	PCC
ACRES	AC	POINT OF INTERSECTION	PI
AHEAD	AH	PROPERTY LINE	PL
ALUMINUM	ALUM	RECORDED AS	(100')
AND OTHERS	ET AL	REEL / IMAGE	R/I
BACK	BK	REFERENCE LINE	R/L
BLOCK	BLK	REMAINING	REM
CENTERLINE	C/L	RESTRICTIVE DEVELOPMENT EASEMENT	RDE
CERTIFIED SURVEY MAP	CSM	RIGHT	RT
CONCRETE	CONC	RIGHT OF WAY	R/W
COUNTY	CO	SECTION	SEC
COUNTY TRUNK HIGHWAY	CTH	SEPTIC VENT	SEPV
DISTANCE	DIST	SQUARE FEET	SF
CORNER	COR	STATE TRUNK HIGHWAY	STH
DOCUMENT NUMBER	DOC	STATION	STA
EASEMENT	EASE	TELEPHONE PEDESTAL	TP
EXISTING	EX	TEMPORARY LIMITED EASEMENT	TLE
GAS VALVE	GV	TRANSPORTATION PROJECT PLAT	TPP
GRID NORTH	GN	UNITED STATES HIGHWAY	USH
HIGHWAY EASEMENT	HE	VOLUME	V
IDENTIFICATION	ID		
LAND CONTRACT	LC		
LEFT	LT		
MONUMENT	MON		
NATIONAL GEODETIC SURVEY	NGS		
NUMBER	NO		
OUTLOT	OL		
PAGE	P		
POINT OF TANGENCY	PT		
PERMANENT LIMITED EASEMENT	PLE		
POINT OF BEGINNING	POB		
POINT OF CURVATURE	PC		

CURVE DATA ABBREVIATIONS

LONG CHORD	LCH
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
CENTRAL ANGLE	Δ/DELTA
LENGTH OF CURVE	L
TANGENT	T
DIRECTION AHEAD	DA
DIRECTION BACK	DB

BEGIN RELOCATION

STA 294+50.00
Y = 480243.436
X = 702818.447

2154.363 FEET SOUTH AND 600.894 FEET WEST OF THE WEST QUARTER CORNER OF SECTION 16, T23N, R5E

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), WOOD 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 ¾" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

ALL RIGHT-OF-WAY LINES DEPICTED IN THE NON-ACQUISITION AREAS ARE INTENDED TO RE-ESTABLISH EXISTING RIGHT-OF-WAY LINES AS DETERMINED FROM PREVIOUS PROJECTS, OTHER RECORDED DOCUMENTS, OR FROM CENTERLINE OF EXISTING PAVEMENTS.

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS OF PUBLIC RECORD".

DIMENSIONING FOR THE NEW MEASURED RIGHT-OF-WAY IS ALONG AND PERPENDICULAR TO THE NEW REFERENCE LINES.

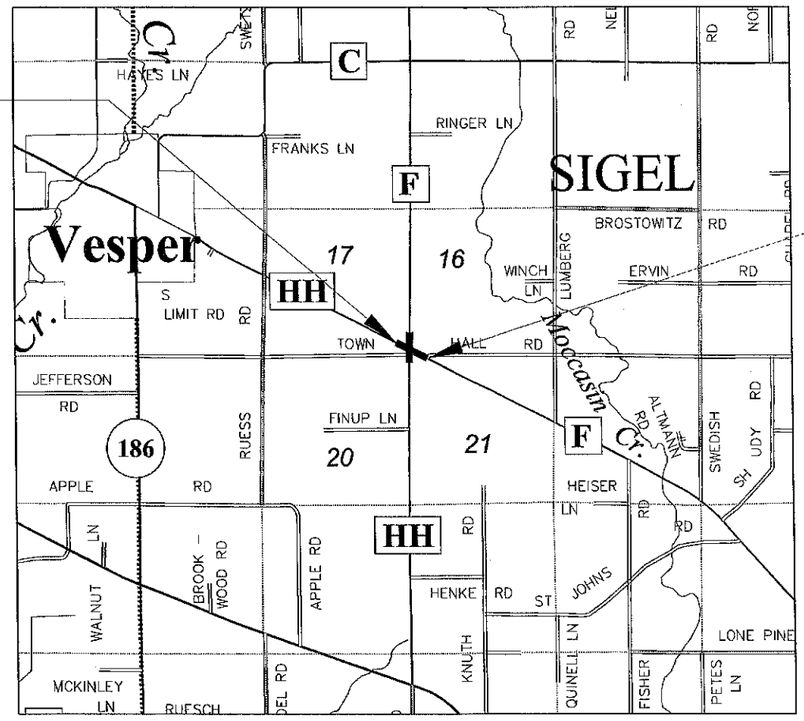
A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON, THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE. ALL (TLE'S) ON THIS PLAT EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM DATA DERIVED FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES. THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES, EXCLUDING RIGHT-OF-WAY, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE WOOD COUNTY HIGHWAY DEPARTMENT.

PARCEL AND UTILITY IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE DETAIL PAGES.

INFORMATION FOR THE BASIS OF EXISTING HIGHWAY RIGHT-OF-WAY POINTS OF REFERENCE AND ACCESS CONTROL ARE LISTED ON THE DETAIL PAGES.



END RELOCATION

STA 307+00.00
Y = 479673.647
X = 703922.713

2724.152 FEET SOUTH AND 503.372 FEET EAST OF THE WEST QUARTER CORNER OF SECTION 16, T23N, R5E

LAYOUT
SCALE 0 1.0 MILE

TOTAL NET LENGTH OF CENTERLINE = 0.237 MILES

THIS PLAT IS A GRAPHIC REPRESENTATION AND IS FOR REFERENCE PURPOSES ONLY. DEEDS MUST BE CHECKED TO DETERMINE PROPERTY BOUNDARIES AND ACCESS RIGHTS.

R/W PROJECT NUMBER 6942-01-02	SHEET NUMBER	TOTAL SHEETS
FEDERAL PROJECT NUMBER XXXX-XX-XX	4.01	2

PLAT OF RIGHT OF WAY REQUIRED FOR

WISCONSIN RAPIDS - VESPER TOWN HALL ROAD TO CTH HH

CTH F	WOOD COUNTY

CONSTRUCTION PROJECT NUMBER
6942-01-02

RECEIVED
JAN 28 2025
Office of
Wood County Clerk

Original Plat Prepared by

SEH

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

(Signature) 1-27-2025 (Date)

REVISION DATE	ACCEPTED FOR
	COUNTY OF WOOD
	DATE: 1-28-25 (Signature)

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\RW\DWG\040101-RP.DWG
PLOT DATE : 1/10/2025 3:56 PM
PLOT BY : NICK ENGH
PLOT NAME :

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

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES
1	PAUL A. & AMY J. FREDETTE	FEE,TLE	0.17	-	0.17	0.07
2	JUDITH A. LUBECK	FEE	0.23	-	0.23	-
3	WOOD COUNTY	FEE,TLE	0.10	-	0.10	0.01
4	CHRIS JACOB BAUMBACH	FEE,TLE	0.02	-	0.02	0.01
6	KIM A. ANDERSON	FEE,TLE	0.15	-	0.15	0.01
7	SUSAN L. FELCH	TLE	-	-	-	0.11
8	JOYCE SIKORA	FEE,TLE	0.06	-	0.06	0.03
9	WOOD COUNTY HIGHWAY DEPT.	TLE	-	-	-	0.02
10	RONALD A. HAAS	TLE	-	-	-	0.08
51	TDS TELECOM	RELEASE OF RIGHTS				
52	ALLIANT ENERGY	RELEASE OF RIGHTS				

FEE & COMPUTED POINTS STATION & OFFSET TABLE		
POINT	STATION	OFFSET
200	95+37.63	0.62' LT
201	95+37.27	33.63' LT
202	96+58.27	34.47' LT
203	98+51.34	58.92' LT
206	99+17.02	77.64' LT
207	300+15.16	62.69' RT
209	298+68.55	33.30' RT
210	294+99.44	40.10' RT
211	294+99.44	0.00'
212	294+99.45	39.91' LT
213	298+00.00	50.16' LT
214	102+44.13	82.70' LT
215	104+98.85	46.00' LT
216	104+95.63	6.13' LT
218	104+95.11	0.00'
219	104+92.23	33.73' RT
220	101+50.30	49.39' RT
221	303+93.69	42.75' LT
222	305+29.83	42.81' LT
223	305+29.93	5.73' LT
224	305+29.94	0.00'
226	305+30.05	40.12' RT
227	304+40.56	40.35' RT
228	304+54.21	33.31' RT
229	302+38.67	28.89' RT
230	301+62.46	48.23' RT
	99+98.90	28.95' RT
231	95+37.98	32.38' RT
232	95+37.63	0.00'
35	98+20.46	0.00'
36	98+78.78	0.00'
37	99+79.69	0.00'
38	300+91.16	0.00'
39	100+46.71	0.00'
	301+21.17	0.00'
223	305+29.93	5.73' LT
224	305+29.94	0.00'
225	305+18.82	0.00'

FEE - COURSE TABLE					
COURSE	BEARING	DISTANCE	COURSE	BEARING	DISTANCE
200 - 201	S 89° 27' 41" W	33.01'	216 - 218	S 89° 02' 29" E	6.15'
201 - 202	N 00° 43' 38" E	121.68'	218 - 219	S 89° 02' 29" E	33.85'
202 - 203	N 08° 01' 40" W	187.67'	219 - 220	S 10° 04' 17" E	343.81'
203 - 206	N 22° 05' 04" W	70.94'	220 - 221	SEE CURVE TABLE	
206 - 207	N 02° 44' 29" W	135.19'	221 - 222	S 62° 24' 57" E	136.14'
207 - 5032	N 54° 19' 08" W	135.37'	222 - 223	S 27° 27' 31" W	37.08'
5032 - 209	N 27° 06' 07" E	11.64'	223 - 224	S 27° 27' 31" W	5.73'
209 - 210	N 62° 53' 53" W	371.37'	224 - 226	S 27° 27' 31" W	40.12'
210 - 211	N 26° 29' 33" E	40.10'	226 - 227	N 62° 32' 29" W	89.49'
211 - 212	N 26° 29' 33" E	39.91'	227 - 228	S 89° 40' 08" E	15.35'
212 - 213	S 62° 53' 59" E	300.44'	228 - 229	N 62° 32' 29" W	209.68'
213 - 214	S 83° 37' 49" E	194.11'	229 - 230	N 89° 02' 27" W	93.34'
214 - 215	N 00° 57' 31" E	261.49'	230 - 231	S 00° 48' 52" W	436.98'
215 - 216	S 89° 02' 29" E	40.00'	231 - 232	S 89° 27' 41" W	32.39'
			232 - 200	S 89° 27' 41" W	0.62'

ALIGNMENT POINTS TABLE			
POINT	Y	X	STATION
10	479805.930	703669.772	PI 304+14.56
19	480216.975	702871.542	PC 295+09.32
28	480153.017	702989.749	PT 296+43.75
29	480099.243	703081.619	PC 297+50.20
30	480039.464	703207.896	PT 298+90.09
31	480022.099	703254.784	PC 299+40.09
32	479987.381	703302.700	PT 300+00.00
33	479894.616	703439.495	PC 301+65.28
34	479860.764	703564.924	PT 302+96.24
13	479429.393	703371.506	PI 95+47.99
14	480017.547	703436.042	PI 101+50.30
15	480084.599	703426.432	PI 102+18.04
18	480485.966	703388.281	PT 106+21.78
23	480246.568	703403.218	PC 103+81.66
24	479875.104	703388.079	PT 100+00.00
25	479792.515	703364.471	PC 99+11.76
26	479743.858	703370.471	PT 98+62.73
27	479635.985	703375.937	PC 97+54.62

CURVE 220 - 221
L = 251.42'
LCH = 249.65'
LCB = S48°04'27"E
R = 610.24'

ROAD NAME	BASIS OF EXISTING R/W	YEAR
CTH HH, TOWN HALL ROAD	CSM 6350, V. 22, P. 60, DOC. 816728	1997
CTH HH, CTH F	PLAT OF ROW REQUIRED CTH "HH" VISION TRIANGLE ACQUISITION	1989

RECOVERED MONUMENTS					
POINT	Y	X	DESCRIPTION	STATION	OFFSET
5031	479880.797	703344.292	3/4" REBAR	99+82.94	39.43' LT
5032	480005.949	703170.100	3/4" REBAR	298+67.55	44.89' RT
5033	480166.980	702880.681	3/4" REBAR	295+40.43	40.43' RT

UTILITY EASEMENT TABLE			
UTILITY NUMBER	PARCEL	RECORDING INFORMATION	NAME
51	1	V. 473, P. 273, DOC. 557418	CENTRAL STATE TELEPHONE CO. d/b/a TDS TELECOM
	2	V. 473, P. 289, DOC. 557434	
	8	V. 473, P. 286, DOC. 557431	
	6,10	NO EASEMENT OF RECORD	
52	1, 8, 9, 10	DOC. 872505	WISCONSIN POWER & LIGHT CO. d/b/a ALLIANT ENERGY
	8	V. 524, P. 503, DOC. 632604	
	9	V. 524, P. 817, DOC. 633649	
	10	V. 524, P. 449, DOC. 632452	
	4	NO EASEMENT OF RECORD	

UTILITY INTERESTS REQUIRED		
UTILITY NUMBER	OWNER (S)	INTEREST REQUIRED
51	TDS TELECOM	RELEASE OF RIGHTS
52	ALLIANT ENERGY	RELEASE OF RIGHTS

TIE STATION & OFFSET TABLE					
POINT	STATION	OFFSET	POINT	STATION	OFFSET
300	95+37.20	39.63' LT	311	303+99.31	52.54' LT
301	96+08.10	40.03' LT	312	304+26.95	52.61' LT
302	96+33.40	52.26' LT	313	304+26.97	42.77' LT
303	95+59.42	52.48' LT	314	303+00.99	33.72' RT
304	96+83.70	38.62' LT	315	302+06.10	35.37' RT
305	298+77.51	47.54' RT	316	301+65.28	41.36' RT
306	298+68.27	52.52' RT		100+00.00	41.19' RT
307	294+99.44	46.21' RT	317	99+79.46	37.50' RT
308	294+99.51	49.88' LT	318	98+49.65	36.12' RT
309	298+29.49	59.81' LT	319	98+48.61	45.06' RT
310	303+99.33	42.75' LT	320	97+67.31	45.37' RT
			321	95+38.06	39.39' RT

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), WOOD COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

FOUND MONUMENT INFORMATION SHOWN REPRESENTS TYPE AND LOCATION OF EXISTING MONUMENTS WITHOUT OPINION AS TO THEIR VALIDITY AND USE AS A PROPERTY CORNER.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE WOOD COUNTY HIGHWAY DEPARTMENT.

BEGIN RELOCATION
STA 294+50.00
Y = 480243.436
X = 702818.447

PI STA = 295+76.56
Y = 480186.983
X = 702931.720
DELTA = 3°51'04" RT
D = 2°51'53"
T = 67.24'
L = 134.43'
R = 2000.00'
PC STA = 295+09.32
PT STA = 296+43.75

PI STA = 299+70.81
Y = 480011.430
X = 703283.589
DELTA = 31°12'19" RT
D = 52°05'13"
T = 30.72'
L = 59.91'
R = 110.00'
PC STA = 299+40.09
PT STA = 300+00.00

PI STA = 298+20.32
Y = 480063.819
X = 703142.137
DELTA = 10°01'08" LT
D = 7°09'43"
T = 70.12'
L = 139.89'
R = 800.00'
PC STA = 297+50.20
PT STA = 298+90.09

PI STA = 302+31.82
Y = 479891.599
X = 703505.963
DELTA = 25°00'37" RT
D = 19°05'55"
T = 66.54'
L = 130.95'
R = 300.00'
PC STA = 301+65.28
PT STA = 302+96.24

PI STA = 105+01.98
Y = 480365.668
X = 703386.148
DELTA = 9°10'19" RT
D = 3°49'11"
T = 120.32'
L = 240.12'
R = 1500.00'
PC STA = 103+81.66
PT STA = 106+21.78

PI STA = 99+58.41
Y = 479838.816
X = 703358.762
DELTA = 45°57'50" RT
D = 52°05'13"
T = 46.65'
L = 88.24'
R = 110.00'
PC STA = 99+11.76
PT STA = 100+00.00

PI STA = 98+08.77
Y = 479690.119
X = 703377.098
DELTA = 8°15'31" LT
D = 7°38'22"
T = 54.15'
L = 108.11'
R = 750.00'
PC STA = 97+54.62
PT STA = 98+62.73

END RELOCATION
STA 307+00.00
Y = 479673.647
X = 703922.713

FOUND PK NAIL 9002
Y= 482397.799
X= 703419.341

PI 107+21.78
Y= 480585.950
X= 703390.053

FOUND SURVEY SPIKE 9001
Y= 479732.635
X= 700681.669

FOUND SURVEY SPIKE 9003
Y= 479744.628
X= 706009.035

FOUND HARRISON MONUMENT (BROKEN TOP) 9000
STA 98+78.02, 6.65' RT
Y= 479759.850
X= 703375.198

COMPUTED POSITION FROM TIE SHEETS 9005
Y= 477096.286
X= 703341.351

PI 94+47.99
Y= 479329.393
X= 703371.361

SECTION LINE - COURSE TABLE		
COURSE	BEARING	DISTANCE
9004 - 200	N 00° 43' 41" E	2322.94'
200 - 35	N 00° 43' 41" E	282.77'
35 - 9000	N 00° 43' 41" E	58.07'
9004 - 9000	N 00° 43' 41" E	2663.78'
9000 - 37	N 00° 57' 31" E	98.39'
37 - 38	N 00° 57' 31" E	78.00'
38 - 216	N 00° 57' 31" E	423.32'
216 - 9002	N 00° 57' 31" E	2038.61'
9000 - 9002	N 00° 57' 31" E	2638.32'

SECTION LINE - COURSE TABLE		
COURSE	BEARING	DISTANCE
9001 - 36	N 89° 25' 16" E	2686.98'
36 - 9000	N 89° 25' 16" E	6.69'
9001 - 9000	N 89° 25' 16" E	2693.67'
9000 - 40	S 89° 40' 8" E	33.00'
40 - 227	S 89° 40' 8" E	265.92'
227 - 228	S 89° 40' 8" E	15.35'
228 - 225	S 89° 40' 8" E	72.69'
225 - 223	S 89° 40' 8" E	12.50'
223 - 9003	S 89° 40' 8" E	2334.42'
9000 - 9003	S 89° 40' 8" E	2633.88'

RECEIVED
JAN 28 2025
Office of
Wood County Clerk

REVISION DATE	DATE 01/27/25	SCALE, FEET 0 100 200	HWY: CTH F	R/W PROJECT NUMBER 6942-01-02	PLAT SHEET 4.02
	GRID FACTOR N/A		COUNTY: WOOD	CONSTRUCTION PROJECT NUMBER	PS&E SHEET E

FILE NAME : 040101-RP.DWG PLOT DATE : 1/27/2025 10:17 AM PLOT BY : NICOLE STEINMETZ PLOT NAME :

STA 295+65'EB'
(1)-CPRC CLASS IV
30-INCH SKEW 2.7° RHF
(2) APRON ENDWALLS

TDS TELECOM - COMMUNICATION LINE
ALLIANT ENERGY - ELECTRICITY
TDS TELECOM - COMMUNICATION LINE
SLOPE INTERCEPT (TYP)
PROPOSED RW (TYP)
TLE (TYP)
N
CTH F SB
6" PIPE UNDERDRAIN REQ'D
11 CI
CTH HH WB
400'WB'
20 CI
CTH HH WB
396'WB'
397'WB'
398'WB'
399'WB'
295'EB'
296'EB'
297'EB'
298'EB'
299'EB'
300'EB'
CTH HH EB
12 CI 8 CI
MATCH LINE 300+80'EB'
EXISTING RW (TYP)
WE ENERGIES - GAS
PE
TLE (TYP)
EXISTING RW (TYP)
BEGIN PROJECT
STA 295+09.32'EB'
SAWCUT REQ'D
MATCH EX PAVEMENT
Y=480,216.9747
X=702,871.5416
CAUTION
BLDG
PL (TYP)
STA 298+59'EB', RT
(1)-CPRC CLASS IV 18-INCH
(2) APRON ENDWALLS
200 SB
CTH HH SB

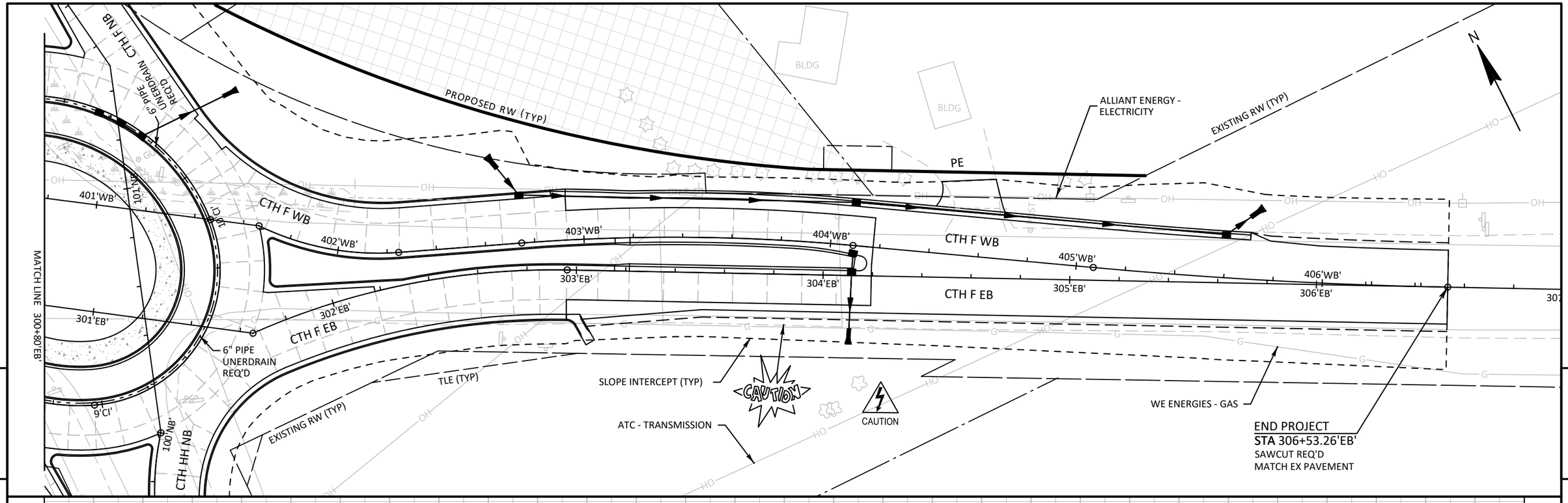
5

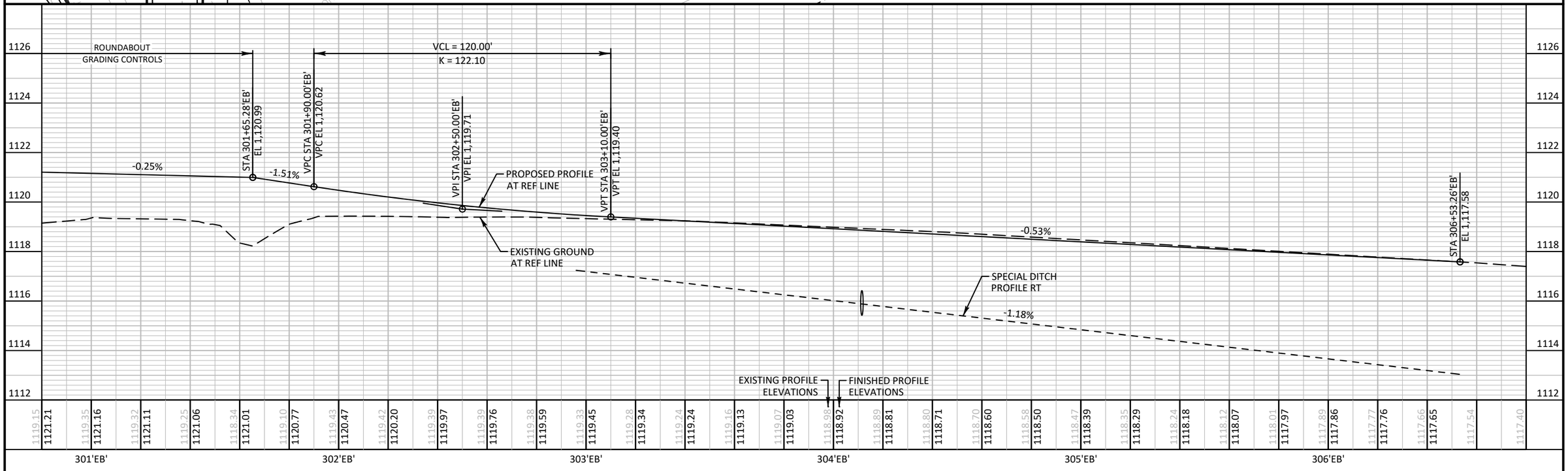
5

VCL = 300.00'
K = 163.26
ROUNDABOUT GRADING CONTROLS
STA 295+09.32'EB'
EL 1,119.00
VPC STA 296+30.00'EB'
VPC EL 1,118.60
LOW POINT STA 296+84.53'EB'
LOW POINT EL 1,118.51
VPI STA 297+80.00'EB'
VPI EL 1,118.10
VPT STA 299+30.00'EB'
VPT EL 1,120.35
STA 300+00.00'EB'
EL 1,121.40
PROPOSED PROFILE AT REF LINE
EXISTING GROUND AT REF LINE
-0.33%
1.50%
-0.25%
STA 295+65'EB'
(1)-CPRC CLASS IV
30-INCH
SKEW 2.7° RHF
SPECIAL DITCH PROFILE RT
-1.71%
0.83%
0.84%
0.82%
EXISTING PROFILE ELEVATIONS
FINISHED PROFILE ELEVATIONS

1126 1124 1122 1120 1118 1116 1114 1112

| | | |





PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	PLAN AND PROFILE: EB (CTH HH/F)	SHEET 51 E

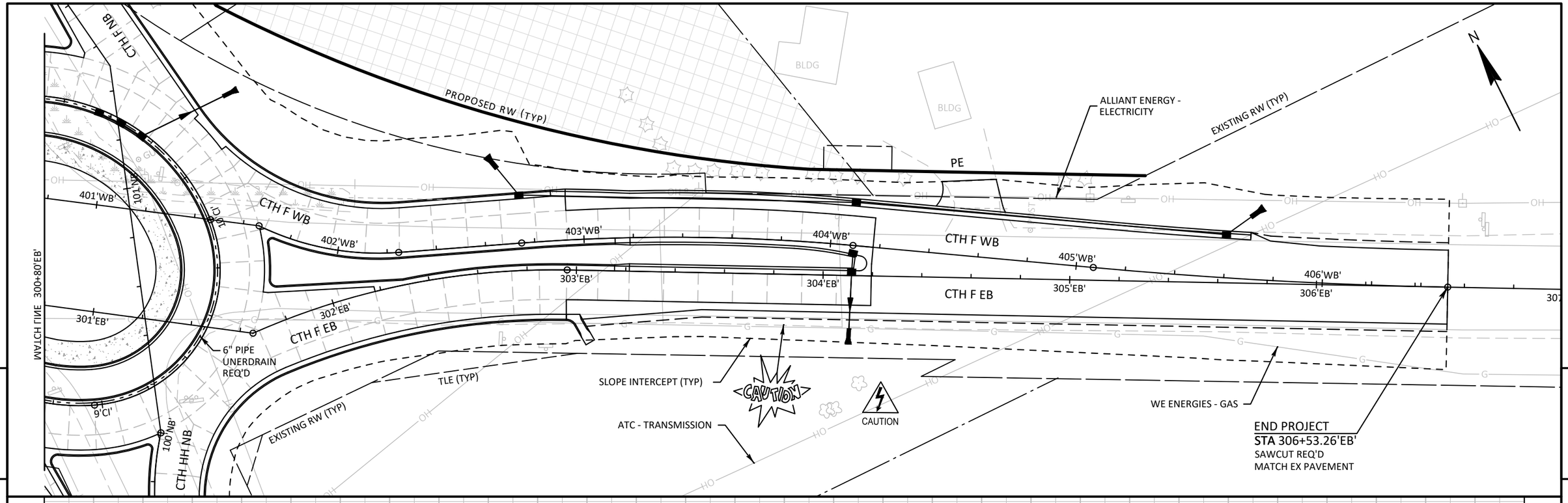
STA 295+65'EB'
(1)-CPRC CLASS IV
30-INCH SKEW 2.7° RHF
(2) APRON ENDWALLS

TDS TELECOM - COMMUNICATION LINE
ALLIANT ENERGY - ELECTRICITY
TDS TELECOM - COMMUNICATION LINE
SLOPE INTERCEPT (TYP)
PROPOSED RW (TYP)
N
CTH F SB
6" PIPE UNDERDRAIN REQ'D
11 CI
TLE (TYP)
CTH HH WB
400'WB'
20 CI
CTH HH WB
396'WB'
397'WB'
398'WB'
399'WB'
295'EB'
296'EB'
CTH HH EB
297'EB'
298'EB'
299'EB'
300'EB'
12 CI 8" CI
CTH HH EB
MATCH LINE 300+80'EB'
EXISTING RW (TYP)
WE ENERGIES - GAS
PE
TLE (TYP)
EXISTING RW (TYP)
BEGIN PROJECT
STA 295+09.32'EB'
SAWCUT REQ'D
MATCH EX PAVEMENT
Y=480,216.9747
X=702,871.5416
CAUTION
BLDG
PL (TYP)
STA 298+59'EB', RT
(1)-CPRC CLASS IV 18-INCH
(2) APRON ENDWALLS
CTH HH SB
20 CI
5
5

VCL = 300.00'
K = 154.10
ROUNDABOUT GRADING CONTROLS
STA 395+06.07'WB'
EL 1,119.00
STA 396+00.00'WB'
EL 1,118.65
VPC STA 396+25.00'WB'
VPC EL 1,118.53
LOW POINT STA 396+98.47'WB'
LOW POINT EL 1,118.36
VPI STA 397+75.00'WB'
VPI EL 1,117.82
VPT STA 399+25.00'WB'
VPT EL 1,120.02
STA 400+00.00'WB'
EL 1,121.13
-0.37%
-0.48%
1.47%
-0.25%
PROPOSED PROFILE AT REF LINE
EXISTING GROUND AT REF LINE
STA 395+76'WB'
(1)-CPRC CLASS IV
30-INCH
SKEW 0.0°
-1.89%
SPECIAL DITCH PROFILE LT
0.31%
EXISTING PROFILE ELEVATIONS
FINISHED PROFILE ELEVATIONS

1128 1126 1124 1122 1120 1118 1116 1114

| | | |



PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	PLAN AND PROFILE: WB (CTH HH/F)	SHEET 53 E

STA 196+28'SB', LT
(1)-CPRC CLASS IV 15-INCH
(2) APRON ENDWALLS

SOLARUS - COMMUNICATION LINE

TDS TELECOM - COMMUNICATION LINE

PE

SLOPE INTERCEPT (TYP)

PROPOSED RW (TYP)

TOWN HALL RD

CTH HH SB

6" PIPE UNERDRAIN REQ'D

95'NB' 96'NB' 97'NB' 98'NB' 99'NB' 100'NB' 101'NB'

196'SB' 197'SB' 198'SB' 199'SB' 200'SB'

CTH HH NB

EXISTING RW (TYP)

TLE (TYP)

TDS TELECOM - COMMUNICATION LINE

BEGIN CONSTRUCTION
STA 95+48.00'NB'
SAWCUT REQ'D
MATCH EX PAVEMENT

ALLIANT ENERGY - ELECTRICITY

CAUTION

TC - TRANSMISSION

EXISTING RW (TYP)

CTH F EB

CTH F WB

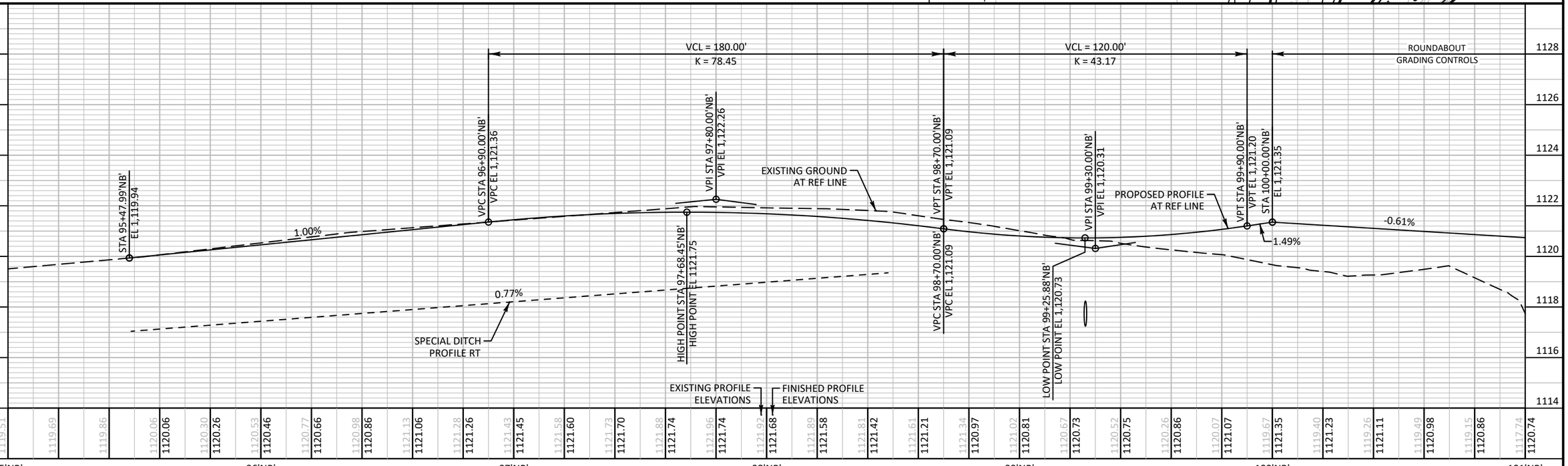
301'EB'

302'EB'

90'CI'

10'CI'

MATCH LINE 101+00'NB'



PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	PLAN AND PROFILE: NB (CTH HH/F)	SHEET 54 E

STA 203+37'SB', LT
(1)-CPRC CLASS IV 15-INCH
(2) APRON ENDWALLS

N

CTH HH EB
CTH HH WB
CE
EXISTING RW (TYP)
SOLARUS - COMMUNICATION LINE
ALLIANT ENERGY - ELECTRICITY
SLOPE INTERCEPT (TYP)
TDS TELECOM - COMMUNICATION LINE
CTH F SB
CTH F NB
201'SB'
202'SB'
203'SB'
204'SB'
205'SB'
106'NB'
107'NB'
105'NB'
104'NB'
103'NB'
102'NB'
MATCH LINE 101+00'NB'
6" PIPE UNERDRAIN REQ'D
PROPOSED RW (TYP)
TDS TELECOM - COMMUNICATION LINE
TDS TELECOM - COMMUNICATION LINE
TDS TELECOM - COMMUNICATION LINE
END CONSTRUCTION
STA 106+21.78'NB'
SAWCUT REQ'D
MATCH EX PAVEMENT

5

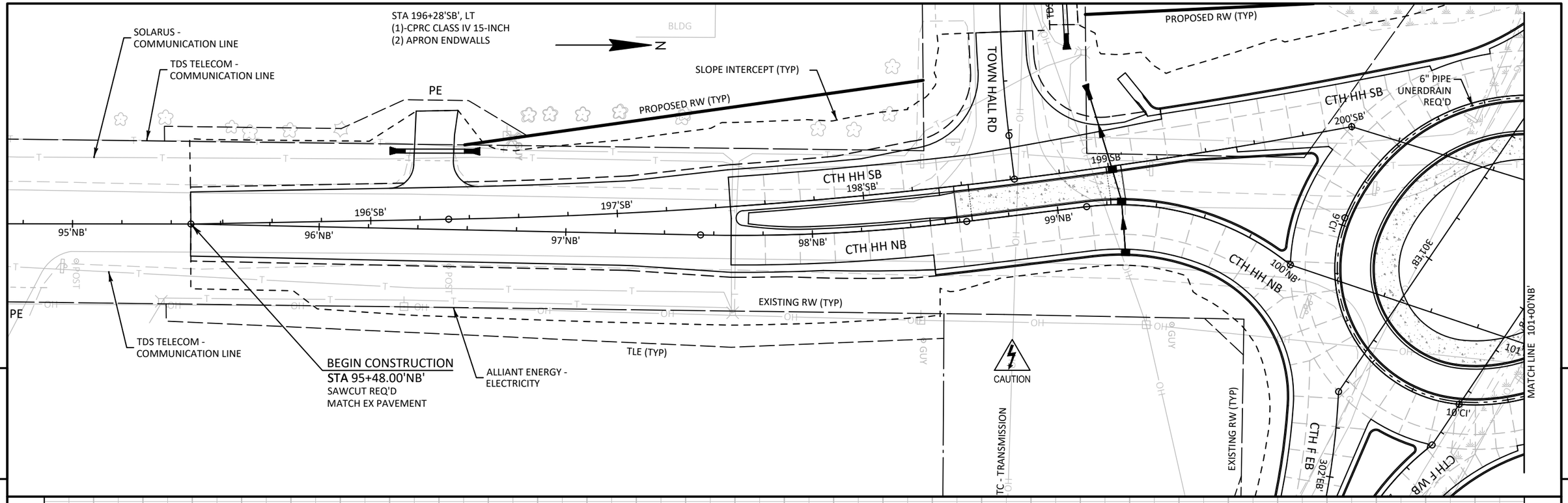
5

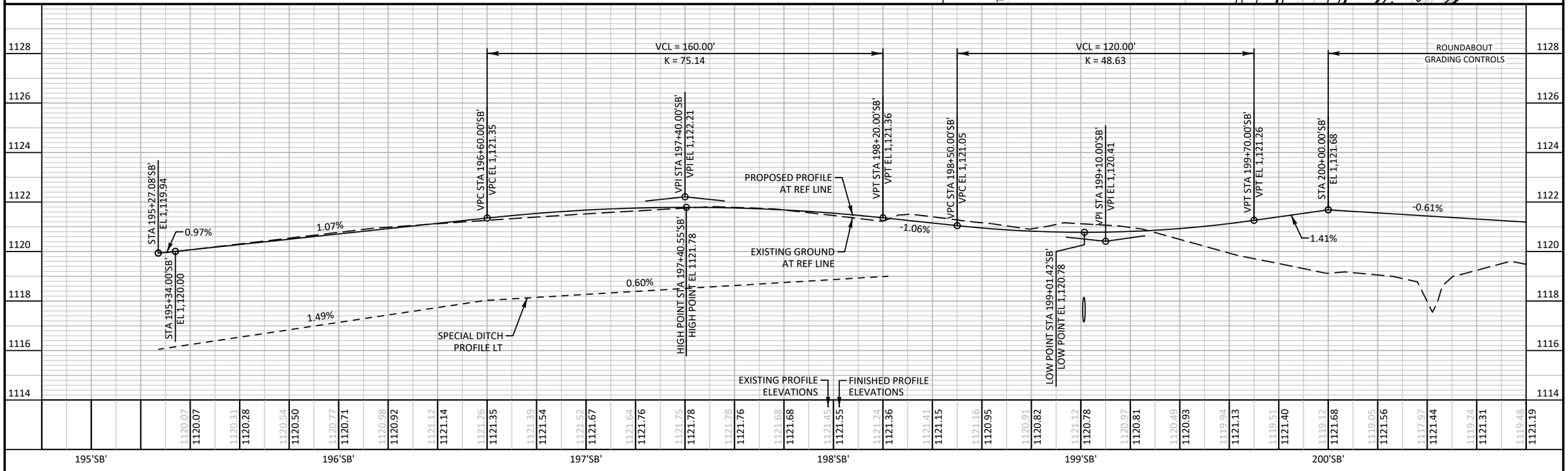
ROUNDABOUT GRADING CONTROLS
STA 101+50.30'NB'
EL 1,120.43
-0.61%
PROPOSED PROFILE AT REF LINE
-0.54%
VPC STA 102+30.00'NB'
VPC EL 1,120.00
VCL = 180.00'
K = 124.03
LOW POINT STA 102+97.44'NB'
LOW POINT EL 1,119.81
VPI STA 103+20.00'NB'
VPI EL 1,119.51
VPT STA 104+10.00'NB'
VPT EL 1,120.32
0.91%
STA 106+21.78'NB'
EL 1,122.25
0.48%
EXISTING GROUND AT REF LINE
SPECIAL DITCH PROFILE RT
EXISTING PROFILE ELEVATIONS
FINISHED PROFILE ELEVATIONS

1128
1126
1124
1122
1120
1118
1116
1114

101'NB'	102'NB'	103'NB'	104'NB'	105'NB'	106'NB'	107'NB'
1117.74	1120.74	1117.46	1120.62	1117.80	1120.49	1117.75	1120.38	1117.67	1120.27	1117.65	1120.16	1117.62	1120.05	1117.78	1119.95	1118.00	1119.87	1118.05	1119.83	1117.93	1119.81	1117.68	1119.83	1118.32	1119.89	1119.07	1119.97	1119.94	1120.09	1120.33	1120.24	1120.63	1120.42	1120.82	1120.60	1120.96	1120.78	1121.09	1120.96	1121.27	1121.14	1121.46	1121.32	1121.64	1121.50	1121.82	1121.69	1121.97	1121.87	1122.10	1122.05	1122.24	1122.23	1122.36	1122.48	1122.58	1122.67

PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	PLAN AND PROFILE: NB (CTH HH/F)	SHEET 55 E





PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	PLAN AND PROFILE: SB (CTH HH/F)	SHEET 56 E

STA 203+37'SB', LT
(1)-CPRC CLASS IV 15-INCH
(2) APRON ENDWALLS

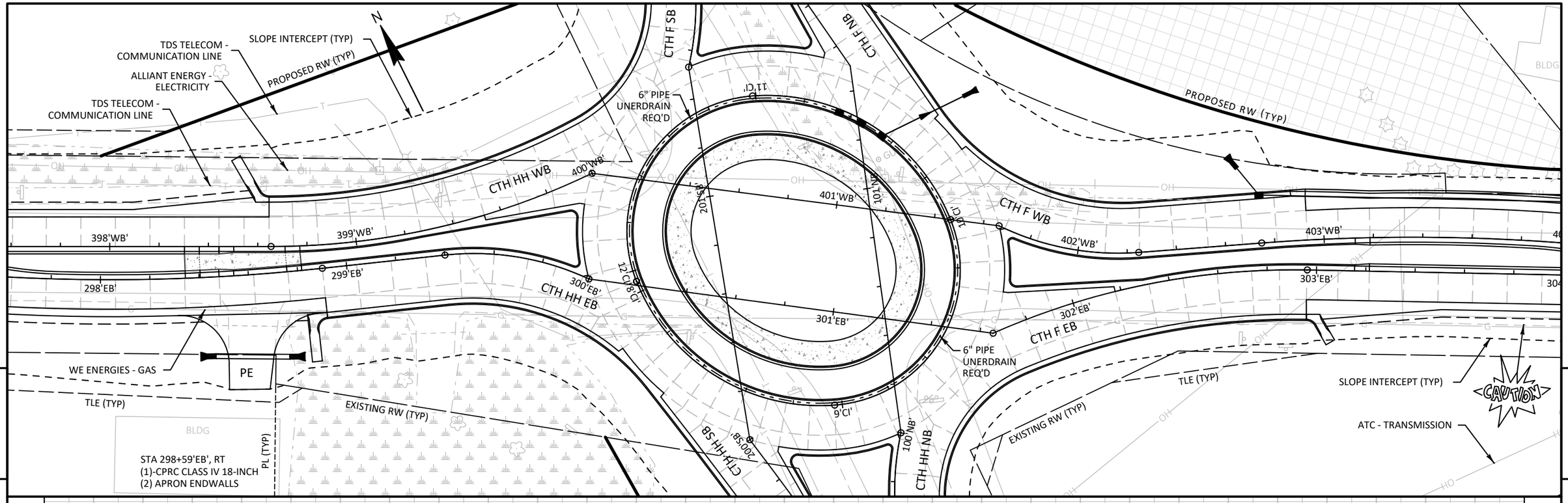
N

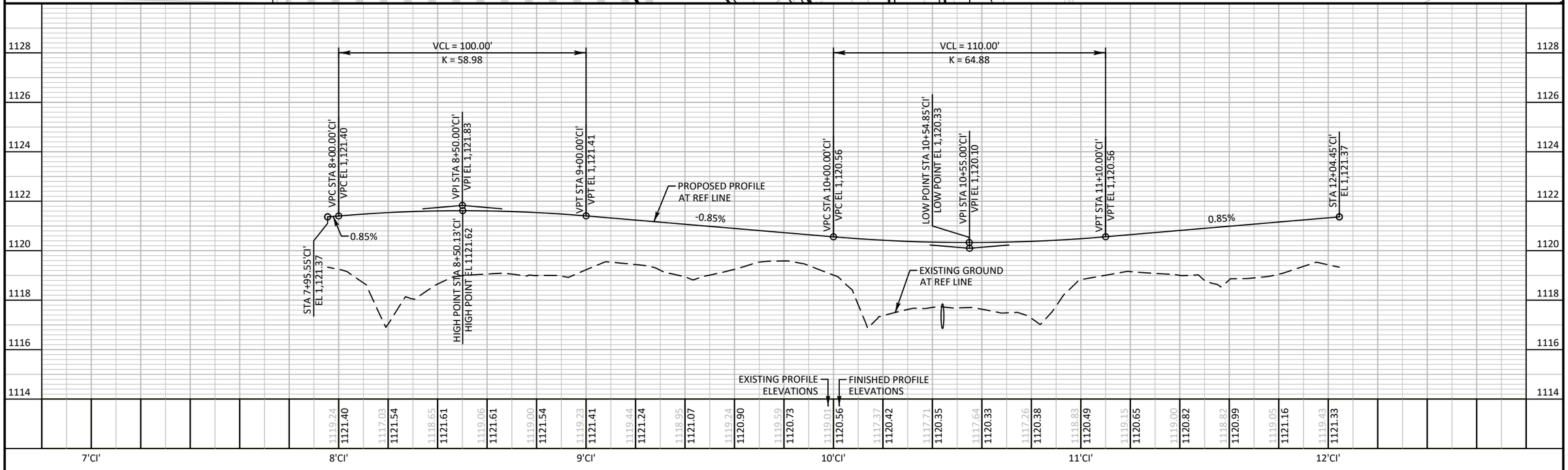
CTH HH EB
CTH HH WB
CE
EXISTING RW (TYP)
SOLARUS - COMMUNICATION LINE
ALLIANT ENERGY - ELECTRICITY
SLOPE INTERCEPT (TYP)
TDS TELECOM - COMMUNICATION LINE
CTH F SB
CTH F NB
201'SB'
202'SB'
203'SB'
204'SB'
205'SB'
106'NB'
107'NB'
105'NB'
104'NB'
103'NB'
102'NB'
MATCH LINE 101+00'NB'
6" PIPE UNERDRAIN REQ'D
PROPOSED RW (TYP)
TDS TELECOM - COMMUNICATION LINE
TDS TELECOM - COMMUNICATION LINE
TDS TELECOM - COMMUNICATION LINE
END CONSTRUCTION
STA 106+21.78'NB'
SAWCUT REQ'D
MATCH EX PAVEMENT

ROUNDABOUT GRADING CONTROLS
VCL = 180.00'
K = 121.89
STA 201+53.13'SB'
EL 1,120.74
VPC STA 201+97.97'SB'
VPC EL 1,120.42
LOW POINT STA 202+84.96'SB'
LOW POINT EL 1,120.11
VPI STA 202+87.97'SB'
VPI EL 1,119.78
VPT STA 203+77.97'SB'
VPT EL 1,120.47
STA 204+90.00'SB'
EL 1,121.32
STA 205+99.64'SB'
EL 1,122.25
-0.61%
-0.71%
0.76%
0.84%
1.16%
PROPOSED PROFILE AT REF LINE
EXISTING GROUND AT REF LINE
SPECIAL DITCH PROFILE LT
EXISTING PROFILE ELEVATIONS
FINISHED PROFILE ELEVATIONS

201'SB'	202'SB'	203'SB'	204'SB'	205'SB'	206'SB'
1119.48 1121.19	1119.15 1121.07	1119.14 1120.95	1119.16 1120.82	1119.27 1120.69	1119.22 1120.55
1118.76 1120.41	1118.51 1120.29	1118.82 1120.19	1119.36 1120.14	1119.71 1120.11	1120.03 1120.12
1120.22 1120.16	1120.42 1120.24	1120.60 1120.34	1120.78 1120.48	1120.91 1120.64	1121.03 1120.79
1121.15 1120.94	1121.26 1121.09	1121.41 1121.25	1121.56 1121.41	1121.71 1121.57	1121.86 1121.74
1122.00 1121.91	1122.12 1122.08				

PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	PLAN AND PROFILE: SB (CTH HH/F)	SHEET 57 E





PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	PLAN AND PROFILE: ROUNDABOUT	SHEET 58 E

STA 19+29'TH', LT
(1)-CPRC CLASS IV 15-INCH
(2) APRON ENDWALLS

PROPOSED RW (TYP)

CTH HH

EXISTING RW (TYP)

TLE (TYP)

303'

STA 19+50.02'TH', 40.00 LT
STA 199+03.44'SB', 47.00 LT

R=30.0'

199'SB'

99'NB'

GUY

SLOPE IN

EXISTING RW (TYP)

ATC - TRA

TDS TELECOM - COMMUNICATION LINE

ATC - TRANSMISSION

CAUTION

ATC - TRANSMISSION

18'TH'

19'TH'

TOWN HALL RD

ALLIANT ENERGY - ELECTRICITY

R=30.0'

GUY

STA 19+54.82'TH', 40.00 RT
STA 198+21.54'SB', 47.00 LT

CTH HH SB
198'SB'

CTH HH NB

98'NB'

SLOPE INTERCEPT (TYP)

ISTING RW (TYP)

5

5

1128
1126
1124
1122
1120
1118
1116
1114

STA 19+00.00'TH'
EL 1,120.08

1.07%

STA 19+83.00'TH'
EL 1,120.97

-0.19%

STA 20+00.00'TH'
EL 1,120.94

PROPOSED PROFILE
AT REF LINE

EXISTING GROUND
AT REF LINE

EXISTING PROFILE
ELEVATIONS

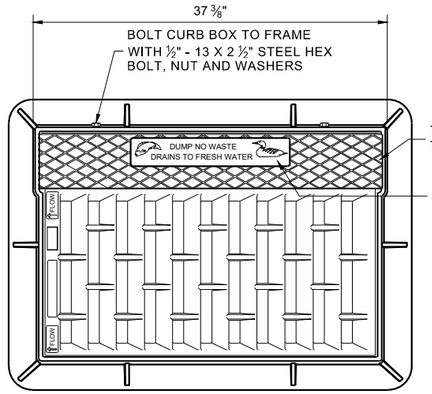
FINISHED PROFILE
ELEVATIONS

| | | |

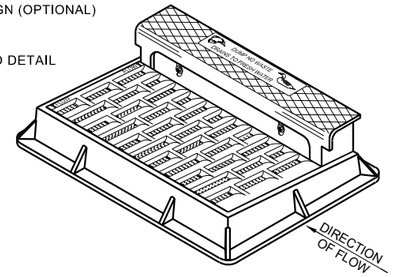
Standard Detail Drawing List

08A05-22A	INLET COVERS TYPE A, H, A-S, H-S & Z
08A05-22B	INLET COVERS TYPE B, B-A, C, MS, MS-A, DW & WM
08A05-22C	INLET COVERS TYPE F, HM, HM-S, S, T, HM-GJ & HM-GJ-S
08C06-03	INLETS 3-FT AND 4-FT DIAMETER
08D01-24A	CONCRETE CURB & GUTTER
08D01-24B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D04-07	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08D15-05A	EDGEDRAIN OUTLET AND OUTFALL MARKERS
08D15-05B	EDGEDRAIN AND BASE AGGREGATE OPEN GRADED
08D15-05C	EDGEDRAIN AND BASE AGGREGATE OPEN GRADED
08D21-01	DRIVEWAYS WITHOUT CURB & GUTTER
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E15-01	CULVERT PIPE CHECK
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F04-08	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
09A01-14A	AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C" AND D AND TEE INTERSECTION BYPASS LANE
09B02-10	CONDUIT
09B16-03	PULL BOX NON-CONDUCTIVE
09C02-09	CONCRETE BASES, TYPES 1, 2, 5, & 6
09C03-04	TRANSFORMER/PEDESTAL BASES
09C14-03	CONCRETE CONTROL CABINET BASE, TYPE L
09D01-05	CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)
09D04-03	LIGHTING CONTROL CABINET 120/240 VOLT
09E01-15D	POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 5 (30 FEET)
09E03-06	NON-FREEWAY LIGHTING UNIT POLE WIRING
10A07-03	ELECTRICAL DETAILS GROUND MOUNT LIGHT POLES PHASE-TO-PHASE SYSTEMS
11B02-02	CONCRETE MEDIAN NOSE
13C11-14A	RURAL DOWELED CONCRETE PAVEMENT
13C18-08A	CONCRETE PAVEMENT JOINTING
13C18-08B	CONCRETE PAVEMENT STEEL REINFORCEMENT
13C18-08C	CONCRETE PAVEMENT JOINT TYPES
13C18-08D	CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES
13C18-08E	CONCRETE PAVEMENT JOINTING AND STEEL REINFORCEMENT IN ROUNDABOUTS
13C18-08F	CONCRETE PAVEMENT INTERSECTION BOXOUT FOR INTEGRAL CURB AND GUTTER
13C19-03	HMA LONGITUDINAL JOINTS
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15C02-09A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-09B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C04-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C08-24A	PERMANENT LONGITUDINAL PAVEMENT MARKINGS
15C11-10B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-09A	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C18-09A	MEDIAN ISLAND PAVEMENT MARKINGS
15C18-09B	PAVEMENT MARKINGS, MEDIAN ISLAND NOSE
15C22-01	DOTTED EXTENSION FOR ROUNDABOUT
15C35-06A	PAVEMENT MARKING (INTERSECTIONS)
15D28-04	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY

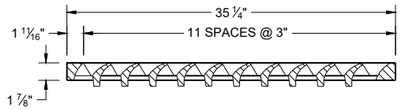
6

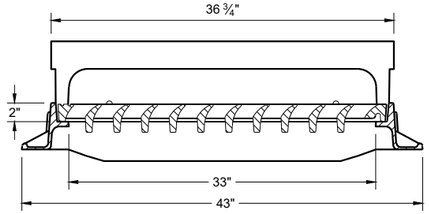


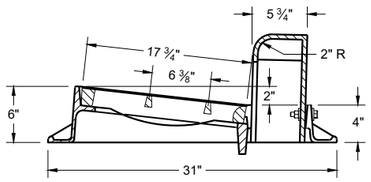
NOTE: EITHER CASTING IS ACCEPTABLE

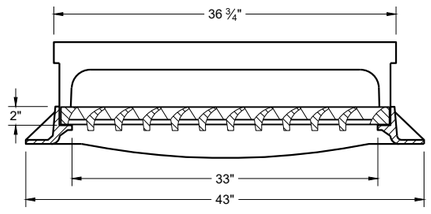


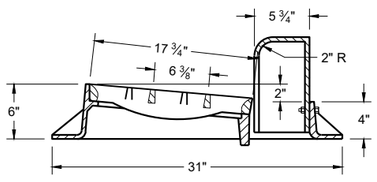
NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"







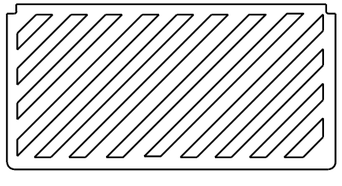




TYPE "H"

NOTE: EITHER CASTING IS ACCEPTABLE

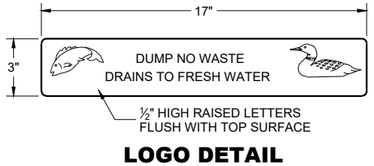
1 1/8" DIAGONAL BARS WITH 1 5/8" OPENINGS



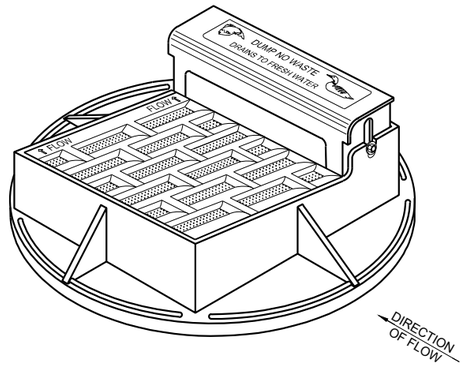
SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35" X 17 3/4" X 2")

(NOTED AS TYPE H-S ON DRAINAGE TABLE)

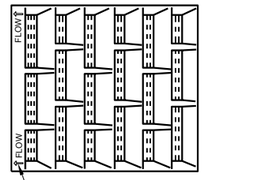


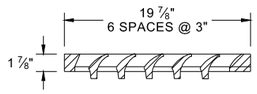
LOGO DETAIL

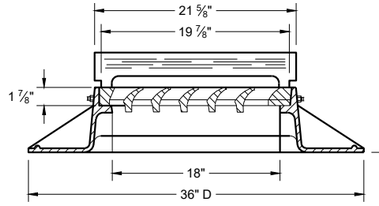


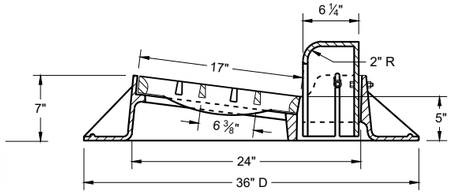
NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"

NOTE: EITHER CASTING IS ACCEPTABLE



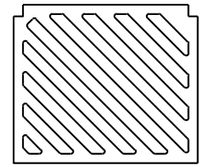






TYPE "A"

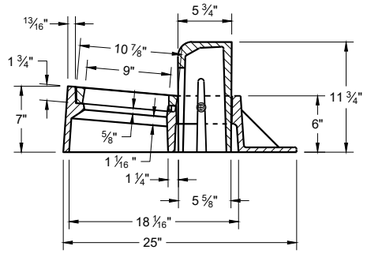
1" DIAGONAL BARS
WITH 1 1/2" OPENINGS

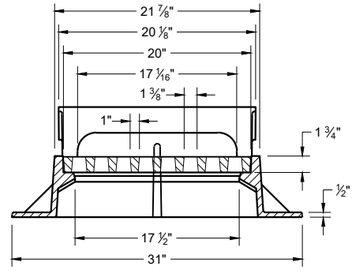


SPECIAL GRATE FOR TYPE "A" COVER

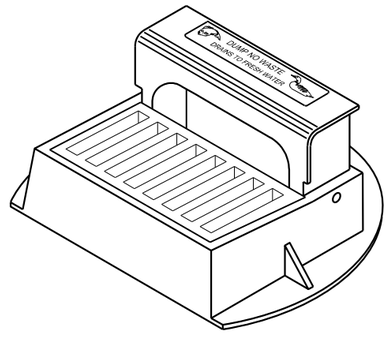
(MEASURES 19 3/4" X 17" X 1 7/8")

(NOTED AS TYPE A-S ON DRAINAGE TABLE)





TYPE "Z"



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.

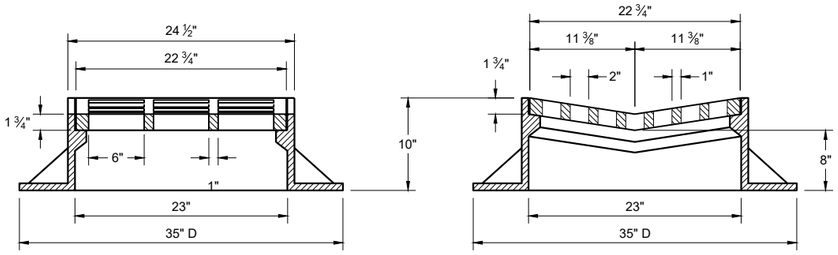
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

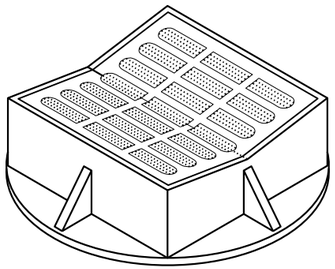
INLET COVERS
TYPES A, H, A-S, H-S AND Z

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

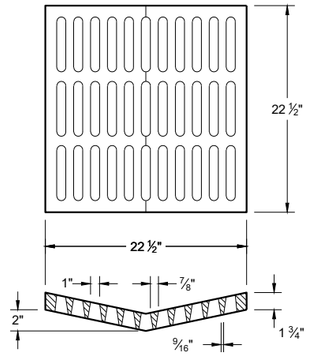
APPROVED
February 2025 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR
FHWA

6
SDD 08A05-22a





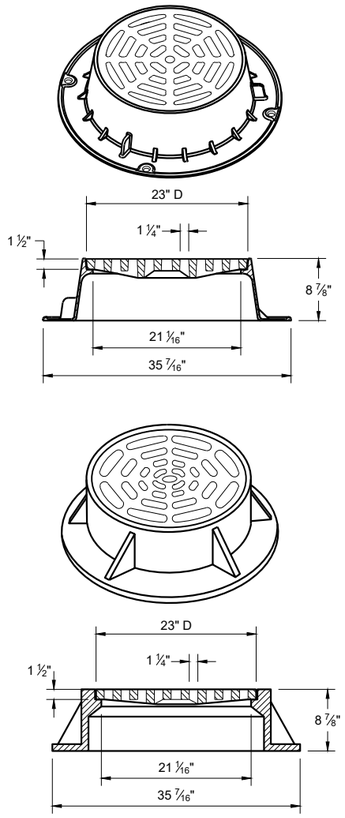
TYPE "B"



ALTERNATIVE GRATE FOR TYPE "B" COVER

USE WHERE PEDESTRIAN OF BICYCLE TRAFFIC IS POSSIBLE

NOTED AS TYPE B - A ON THE DRAINAGE TABLE



TYPE "C"

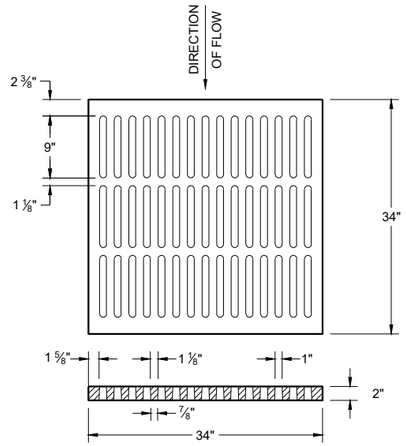
NOTE: EITHER CASTING IS ACCEPTABLE

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.

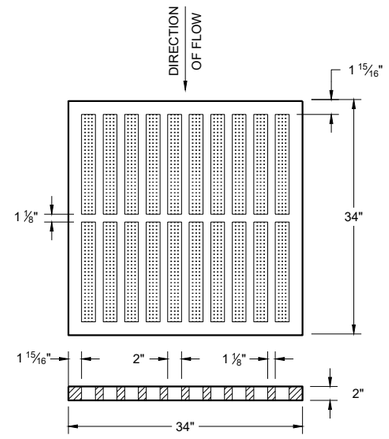
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



ALTERNATIVE TYPE "MS"

USE WHERE PEDESTRIAN OF BICYCLE TRAFFIC IS PERMITTED

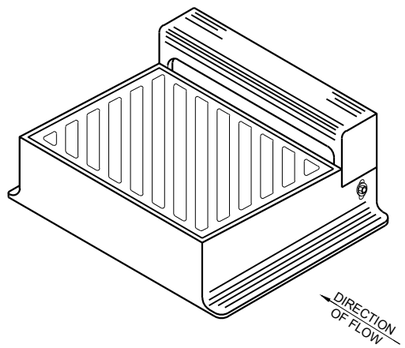
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE



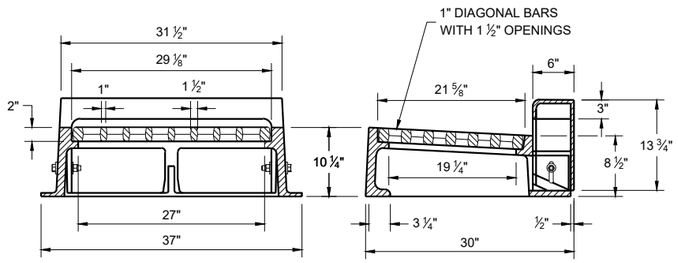
TYPE "MS"

USE ON FREEWAYS AND EXPRESSWAYS

NOTED AS TYPE MS ON THE DRAINAGE TABLE

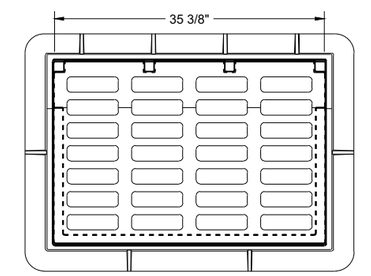


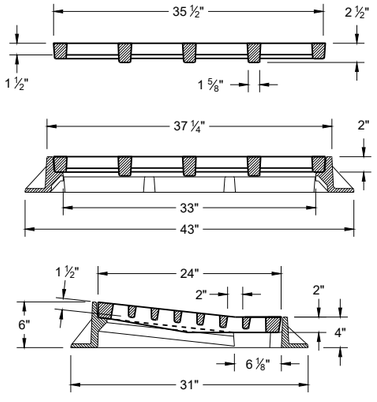
DIAGONAL SLOTS SHALL BE ORIENTEDTO THE DIRECTION OF FLOW AS ILLUSTRATED.
GRATES ARE MANUFACTURED TO BE REVERSIBLE.



TYPE "WM"

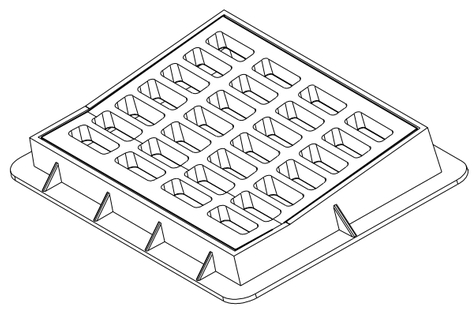
NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"

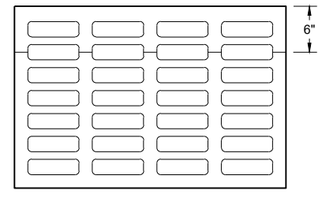




TYPE "DW"

NOTES: FOR USE IN A SUMP CONDITION. THIS OPTION IS ONLY TO BE USED IF NO OTHER INLETS ARE APPLICABLE.





INLET COVERS
TYPES B, B-A, C,
MS, MS-A ,DW AND WM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2025
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

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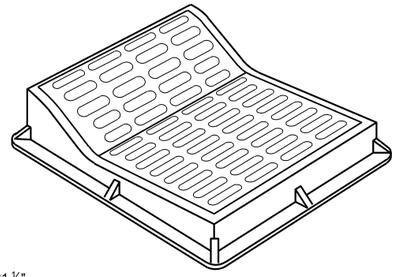
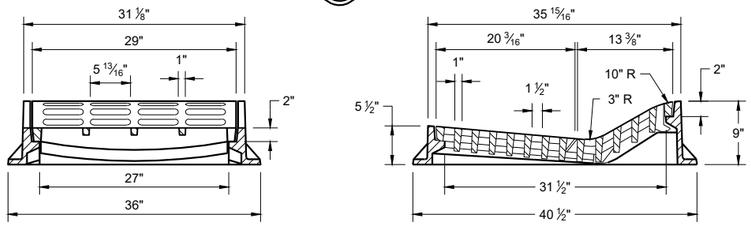
SDD 08A05-22b

GENERAL NOTES

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

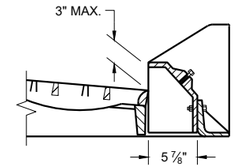
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.





TYPE "F"

USE WITH TYPES "A" AND "D" CONCRETE CURB AND GUTTER, 36"

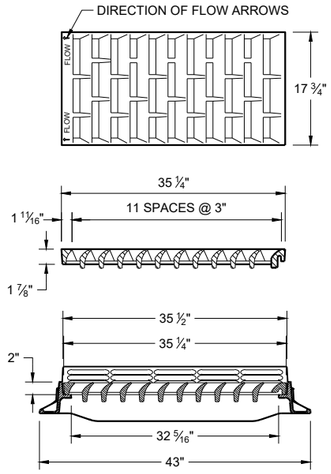


ALTERNATIVE CURB BOX FOR TYPE "HM" COVER

USE WITH TYPES "G" AND "J" CONCRETE CURB AND GUTTER, 30 INCH
NOTED AS TYP "HM-GJ" ON DRAINAGE TABLE

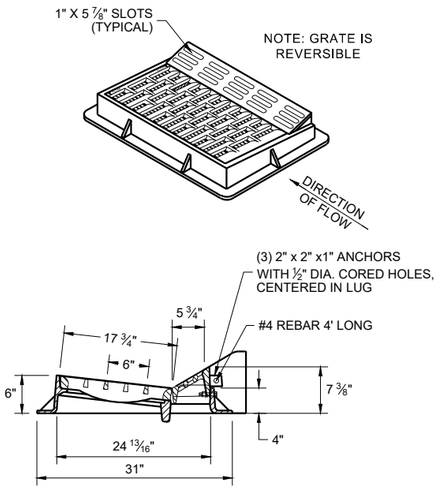
NOTE:
SPECIAL GRATE FOR THE TYPE "H" COVER MAY ALSO BE USED FOR THE TYPE "HM-GJ" COVER.

NOTED AS TYPE HM-GJ-S ON THE DRAINAGE TABLE.



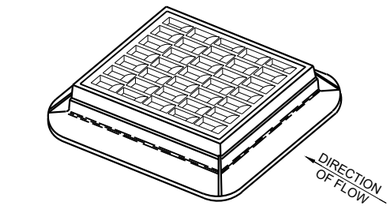
TYPE "HM"

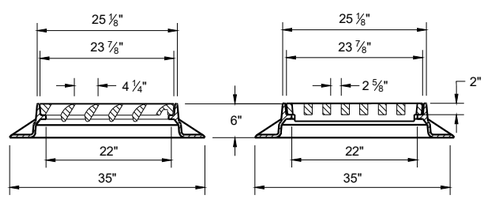
USE WITH TYPES "A" AND "D" CONCRETE CURB AND GUTTER, 36"



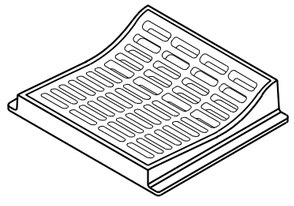
NOTE:
SPECIAL GRATE FOR THE TYPE "H" COVER MAY ALSO BE USED FOR THE TYPE "HM-GJ" COVER.

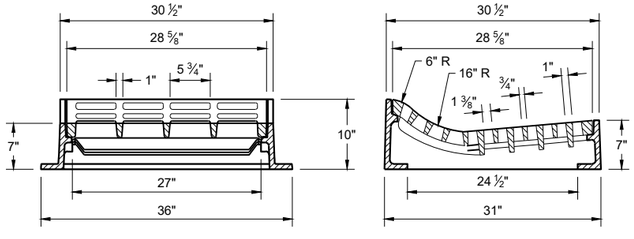
NOTED AS TYPE HM-GJ-S ON THE DRAINAGE TABLE.





TYPE "S"





TYPE "T"

USE WITH TYPES "R" AND "T" CONCRETE CURB AND GUTTER, 36"

INLET COVERS
TYPES F, HM, HM-S, S, T, HM-GJ AND HM-GJ-S

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2025 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

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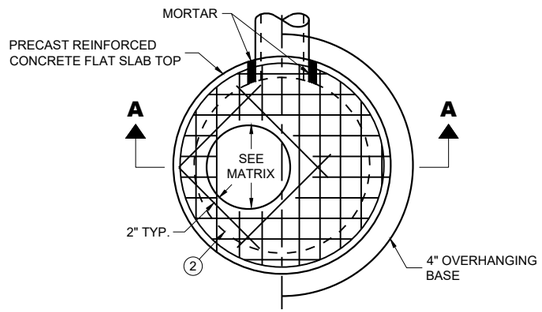
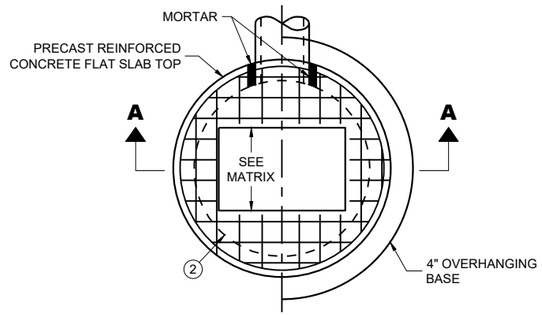
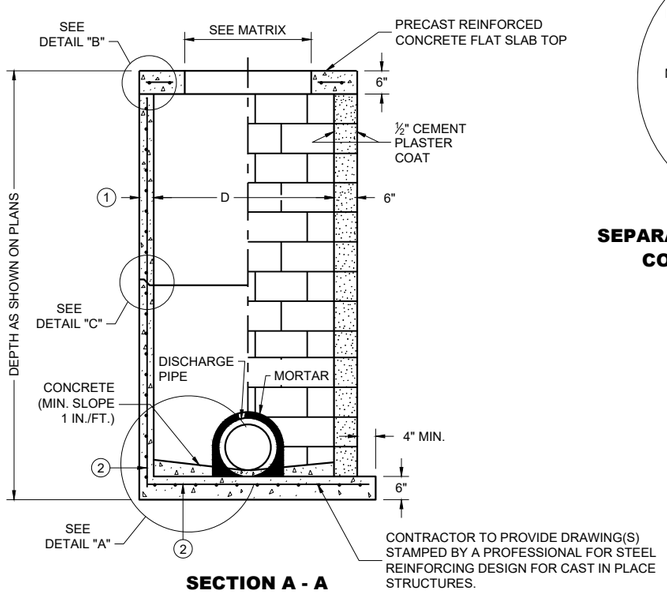
SDD 08A05-22c



PLAN VIEW CIRCULAR OPENING



PLAN VIEW RECTANGULAR OPENING



SECTION A - A

PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE (2)

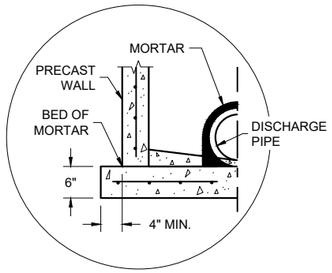
CIRCULAR INLETS WITH FLAT TOP

CATCH BASIN COVER OPENING MATRIX

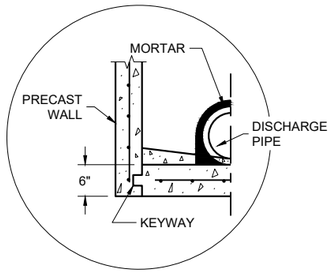
INLET SIZE	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V	WM	Z
	OPENING SIZE (FT.)											
3-FT	2 DIA.				X							X
	2 X 2	X	X					X		X		
4-FT	2 DIA.				X							X
	2 X 2	X	X					X		X		
	2 X 2.5			X				X	X	X	X	
	2 X 3						X					
	2.5 X 3					X						

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

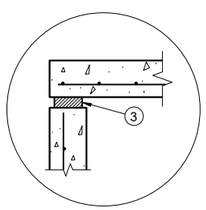


SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

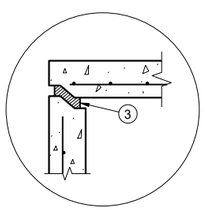


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

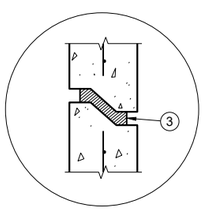
DETAIL "A"



TOP WITH PLAIN END JOINT



TOP WITH TONGUE AND GROOVE JOINT



RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B" **DETAIL "C"**

INLETS 3-FT AND 4-FT DIAMETER

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

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

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

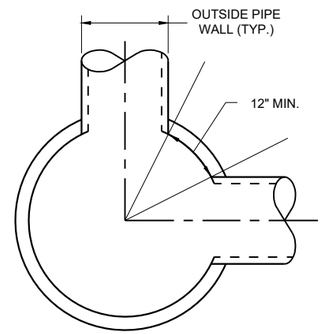
4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "D".

(1) MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT DIAMETER AND 5 INCHES FOR 4-FT DIAMTER PRECAST INLETS.

(2) FOR PRECAST INLETS AND REINFORCED CONCRETE BASES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

(3) JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 OR RUBBER GASKETS CONFORMING TO ASTM C443.



MINIMUM HORIZONTAL PIPE SEPARATION

DETAIL "D"

INLETS 3-FT AND 4-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

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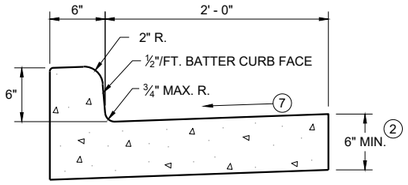
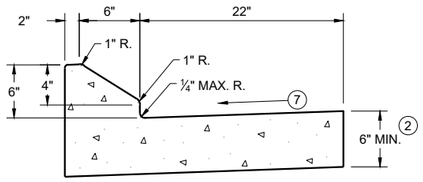
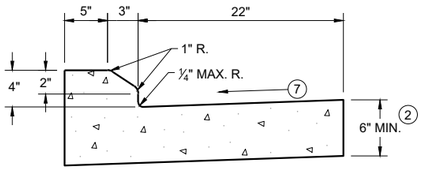
SDD 08C06-03



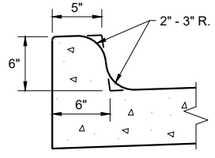
TYPES A (1) & D



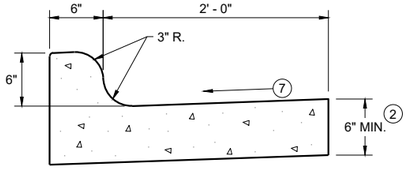
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

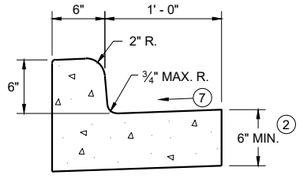


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



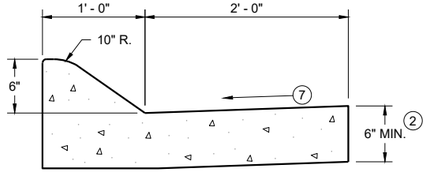
TYPES K (1) & L

CONCRETE CURB AND GUTTER 30"

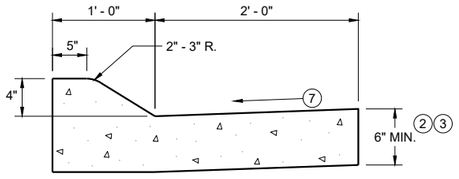


TYPES A (1) & D

CONCRETE CURB AND GUTTER 18"

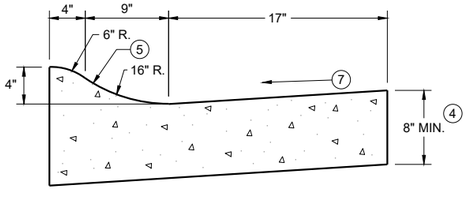


6" SLOPED CURB TYPES A (1) & D



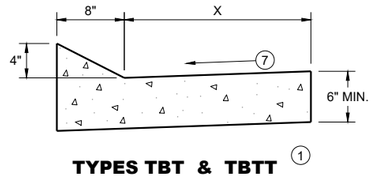
4" SLOPED CURB TYPES A (1) & D

CONCRETE CURB AND GUTTER 36"



4" SLOPED CURB TYPES R (1) & T
CONCRETE CURB AND GUTTER 30"

TBT & TBTT	X
30"	22"
36"	28"

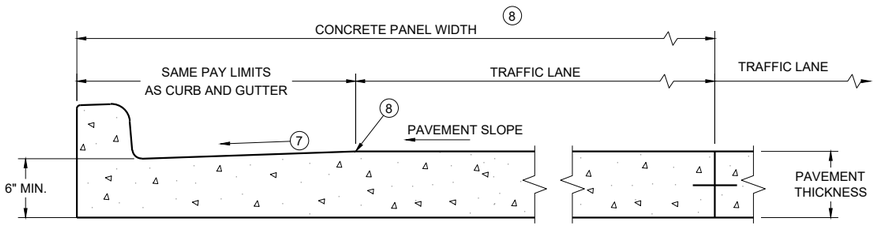


TYPES TBT & TBTT (1)

CONCRETE CURB AND GUTTER

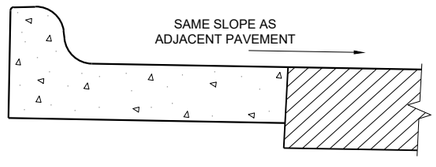
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

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.

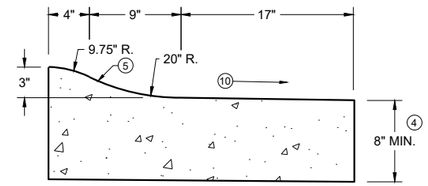
(5) UNLESS OTHERWISE NOTED, FOR STAKING PURPOSES THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

(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.

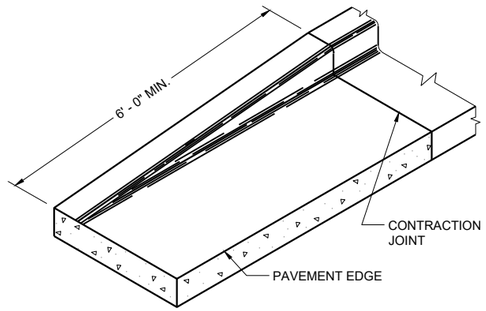
(9) SLOPE TO BE REVERSE SLOPE MATCHING THE SLOPE OF THE PAVEMENT AND THE CIRCULATORY ROADWAY



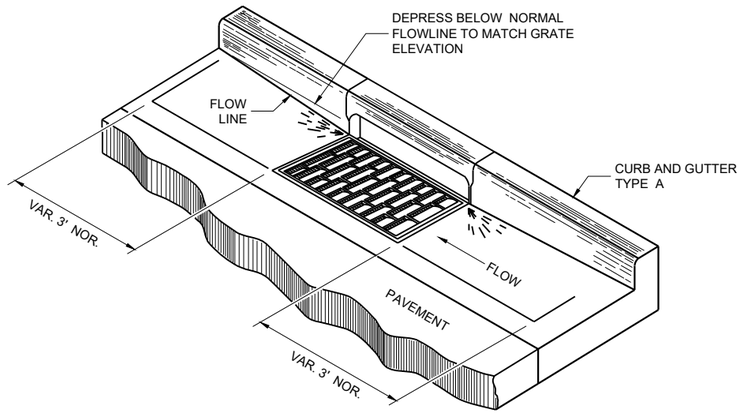
3" SLOPED CURB TYPES R (1) & T

CONCRETE CURB AND GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



END SECTION CURB 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.

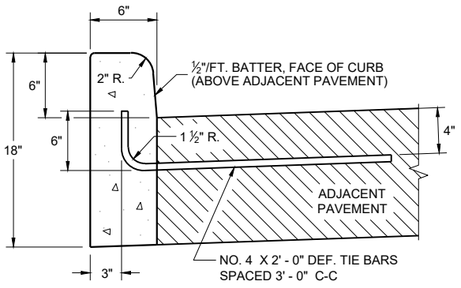
UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

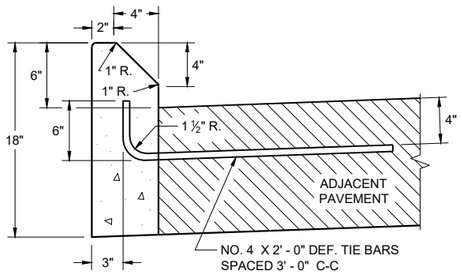
(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(10) REFER TO SDD 08D18 AND 08D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.

(11) PLACE 1" THICK EXPANSION JOINT MATERIAL BETWEEN VERTICAL FACE CURB TYPES EXTENDING FROM THE TOP OF CURB TO 1 INCH BELOW THE ADJOINING CONCRETE SURFACE. RIGID CONCRETE STRUCTURES INCLUDE RAISED CONCRETE MEDIANS, CONCRETE SAFETY ISLANDS, SPLITTER ISLANDS, OR LOCATIONS IDENTIFIED ON THE PLANS.

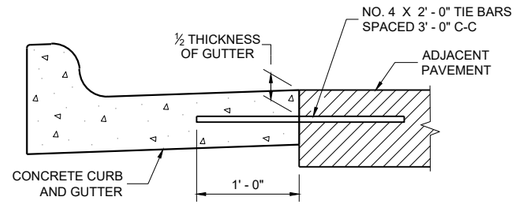


TYPES A (1) & D

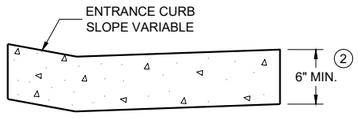


TYPES G (1) & J

CONCRETE CURB

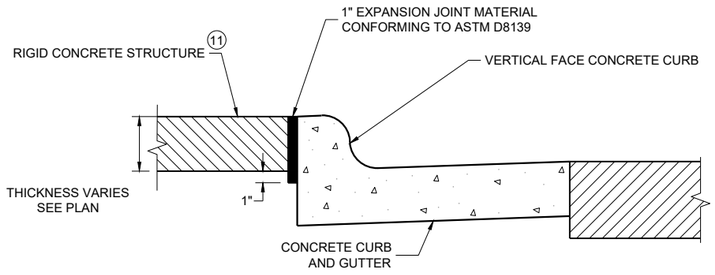


TYPICAL TIE BAR LOCATION (1)

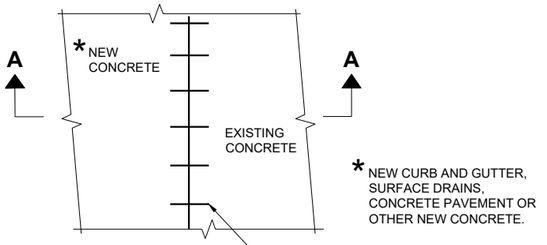


DRIVEWAY ENTRANCE CURB (10)

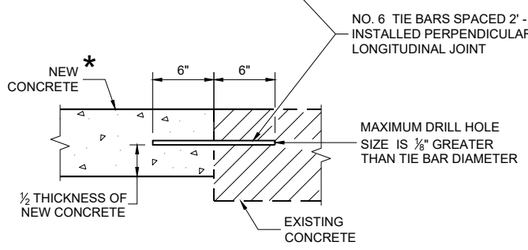
(WHEN DIRECTED BY THE ENGINEER)



EXPANSION JOINT DETAIL FOR VERTICAL CURB ABUTTING A RIGID STRUCTURE (11)



PLAN VIEW



SECTION A - A

TIE BARS DRILLED INTO EXISTING PAVEMENT

CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2025 — DATE
/S/ Rodnery Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

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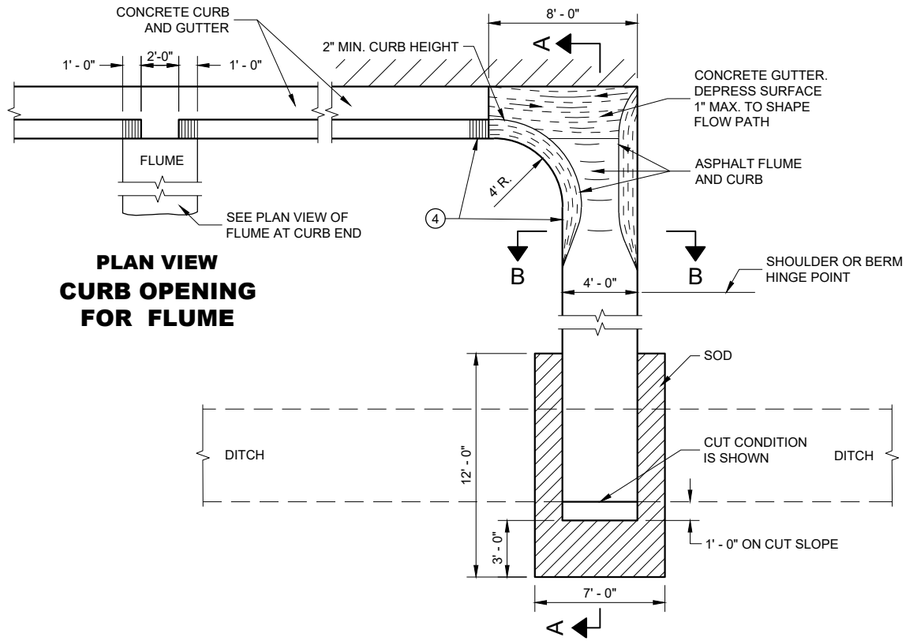
SDD 08D01-24b

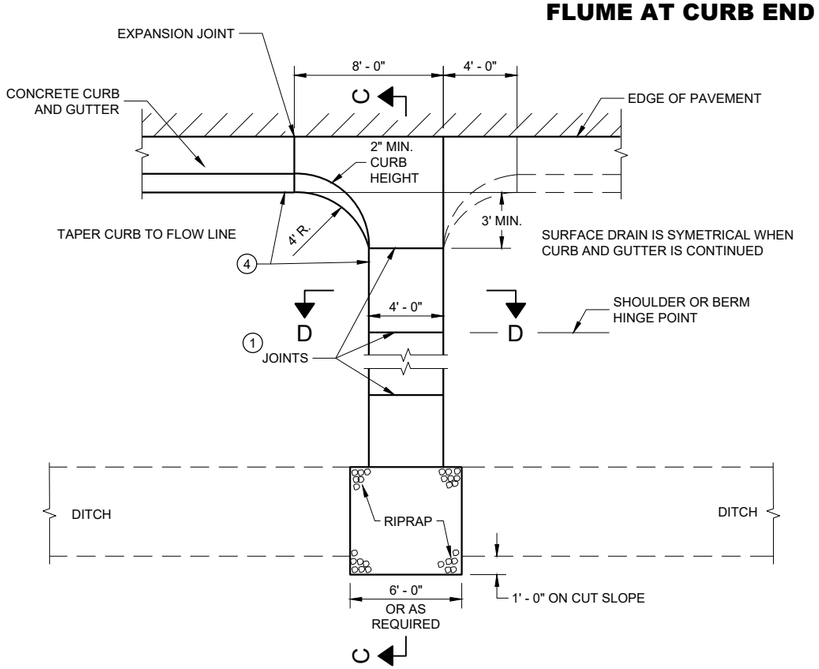
NOTE: TAPER CURB ENDS TO GUTTER IN 1' - 0"

ASPHALTIC FLUME



PLAN VIEW
CURB OPENING FOR FLUME

PLAN VIEW
FLUME AT CURB END



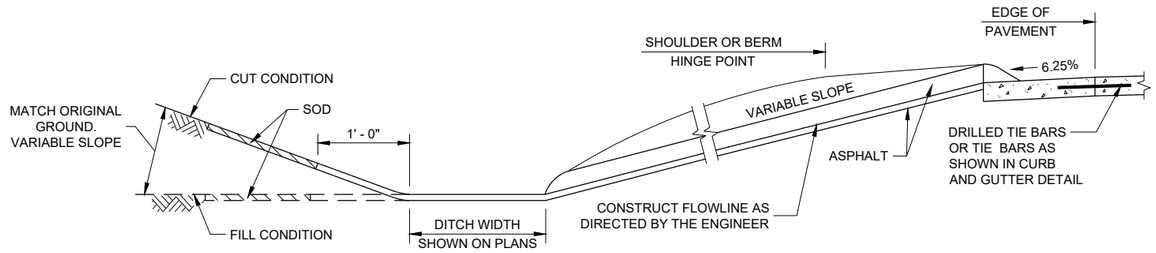
PLAN VIEW
CONCRETE SURFACE DRAIN

GENERAL NOTES

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

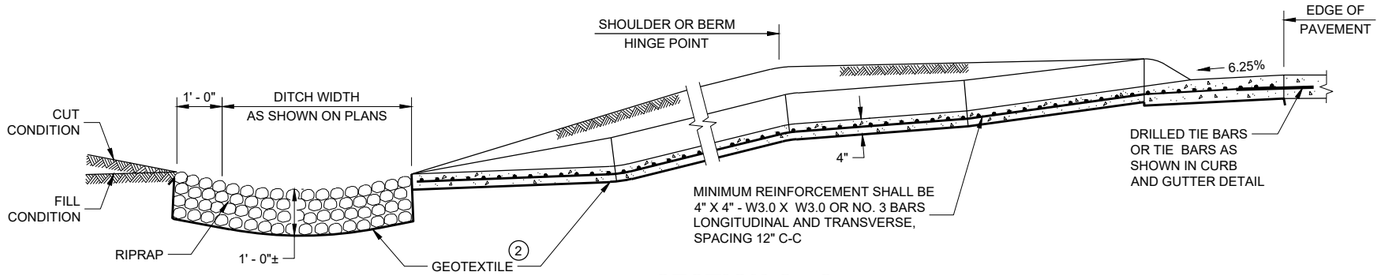
4" X 4" - W3.0 X W3.0 CONCRETE REINFORCEMENT SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

1. JOINTS SHALL BE ⅛" TO ¼" WIDE BY 1½" DEEP AND SPACED AT UNIFORM INTERVALS OF APPROXIMATELY 4 FEET.
2. GEOTEXTILE TYPE "R" SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN AND RIPRAP.
3. CONCRETE SURFACE DRAIN WITHOUT CURB AND GUTTER MAY BE USED ON BACKSLOPES WHEN SPECIFIED.
4. ANGLE OF FLUME IN RELATION TO BACK OF CURB TO BE CONSTRUCTED PER THE PLAN DETAILS OR AS DIRECTED BY THE ENGINEER. ANGLE OF FLUME MAY BE OTHER THAN 90 DEGREES AS SHOWN.

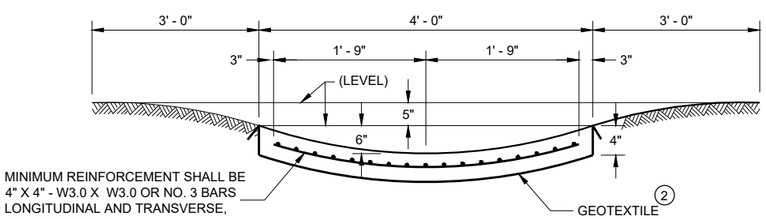


SECTION A - A

SECTION B - B



SECTION C - C



SECTION D - D

CONCRETE SURFACE DRAINS AND ASPHALTIC FLUMES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

FHWA

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SDD 08D04 - 07

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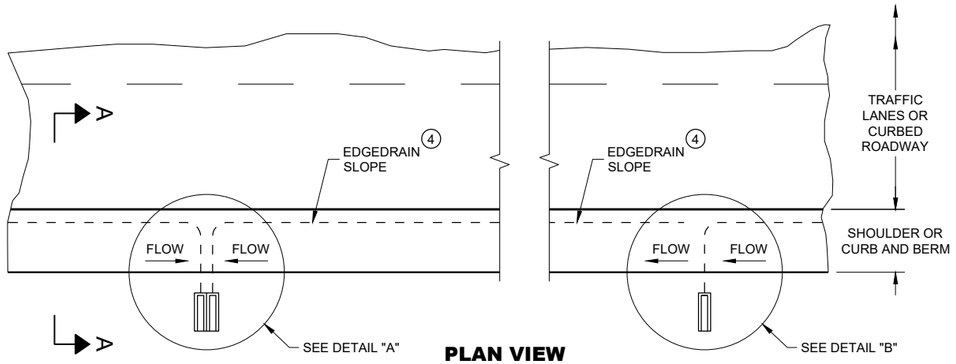
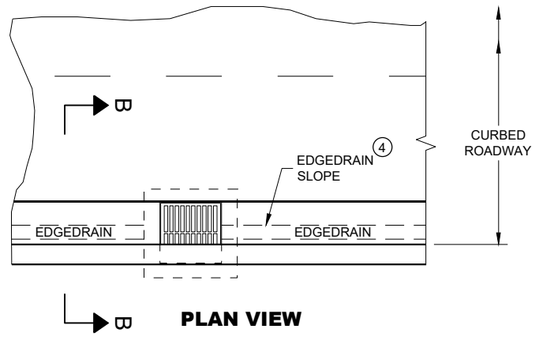
SDD 08D04 - 07



PLAN VIEW

ROADWAY WITH SHOULDERS OR CURBS
(EDGEDRAIN CONNECTS TO ROADSIDE) (2)



PLAN VIEW

ROADWAY WITH CURBS
(EDGEDRAIN CONNECTS INTO INLET STRUCTURE)

GENERAL NOTES

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

(1) UNPERFORATED PIPE UNDERDRAIN AND FITTINGS FURNISHED FOR OUTFALL PIPE SHALL MEET THE REQUIREMENTS OF ONE OF THE FOLLOWING SPECIFICATIONS:

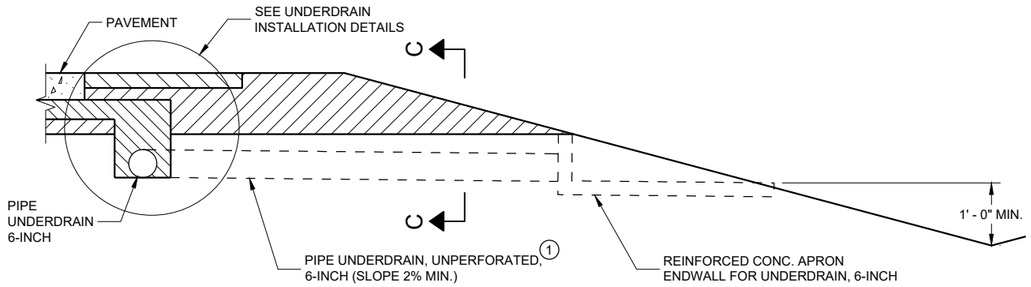
POLYVINYL CHLORIDE (PVC) PLASTIC DRAIN, WASTE, AND VENT PIPE AND FITTINGS, ASTM D 2665, SCHEDULE 40 PVC.

TYPE PSM POLYVINYL CHLORIDE (PVC) SEWER PIPE AND FITTINGS, ASTM D 3034, SDR 23.5 PVC SEWER PIPE.

(2) MAXIMUM SPACING OF EDGEDRAIN OUTLETS SHALL BE 250 FEET UNLESS OTHERWISE SPECIFIED IN THE CONTRACT OR DIRECTED BY THE ENGINEER.

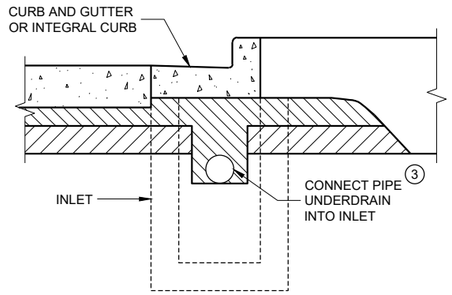
(3) EDGEDRAIN SHALL BE CONNECTED TO INLETS REGARDLESS OF FLOW DIRECTION FOR DRAINAGE AND MAINTENANCE ACCESS.

(4) EDGEDRAIN SHALL BE LAID PARALLEL TO THE GRADE OF ROADWAY.



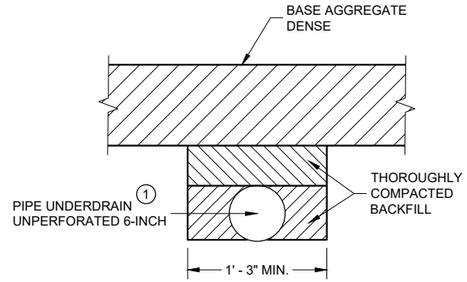
SECTION A - A

RURAL CROSS SECTION



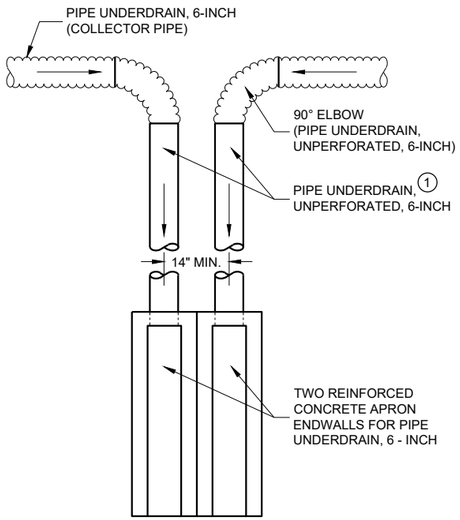
SECTION B - B

URBAN CROSS SECTION

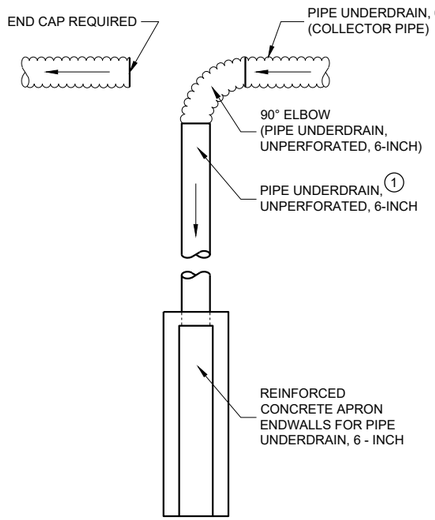


SECTION C - C

TRENCH FOR OUTFALL PIPE

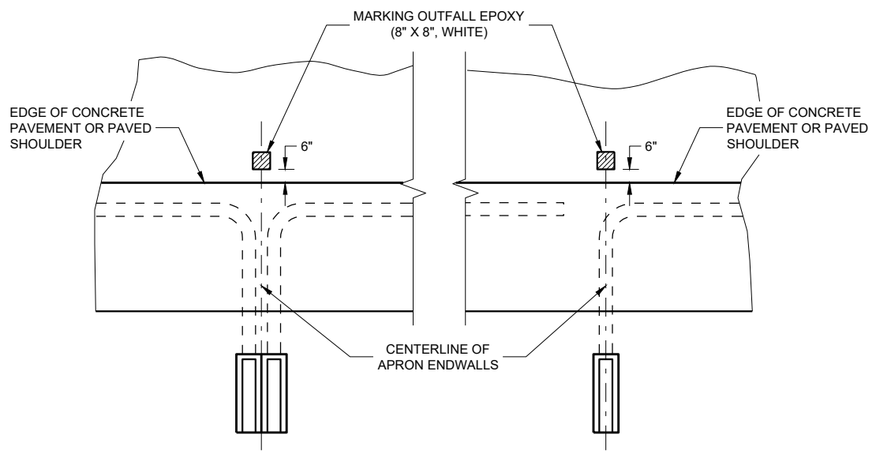


DETAIL "A"
TO BE USED AT LOW POINT LOCATIONS



DETAIL "B"
TO BE USED AT INTERMEDIATE LOCATIONS

TYPICAL DRAIN OUT DETAILS



LOW POINT LOCATIONS — INTERMEDIATE LOCATIONS

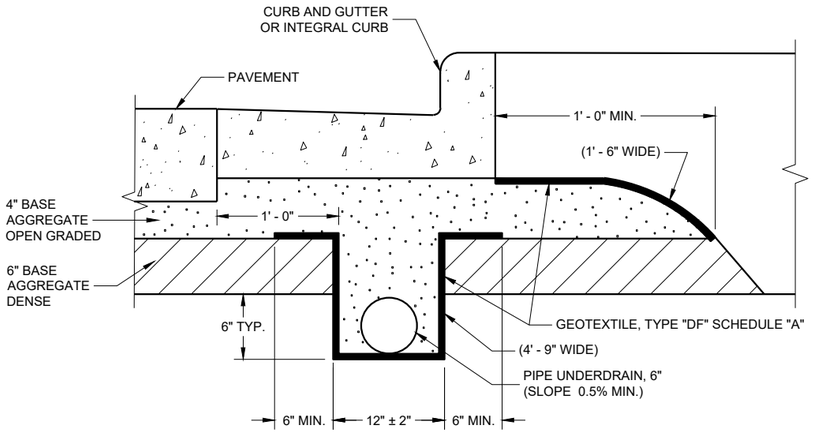
PAVEMENT MARKINGS FOR OUTFALL MARKERS

EDGEDRAIN OUTLET AND OUTFALL MARKERS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD08D15 - 05a
SDD08D15 - 05a



EDGEDRAIN IN URBAN ROADWAY

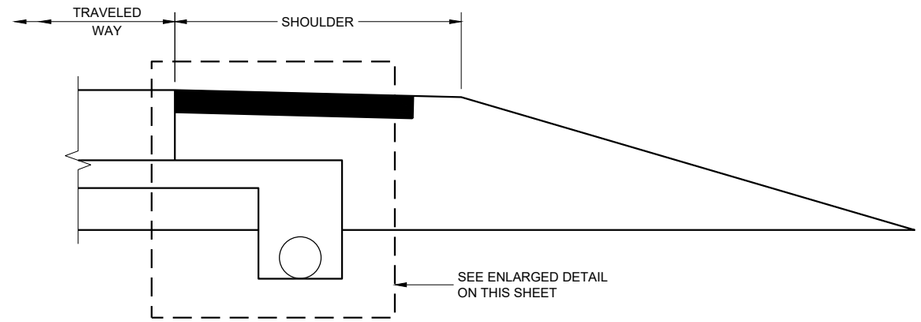
GENERAL NOTES

THE DIMENSIONS SHOWN ON THE TYPICAL CROSS SECTIONS WILL GOVERN IN THE EVENT THERE IS A CONFLICT WITH THE DETAILS SHOWN ON THIS DRAWING.

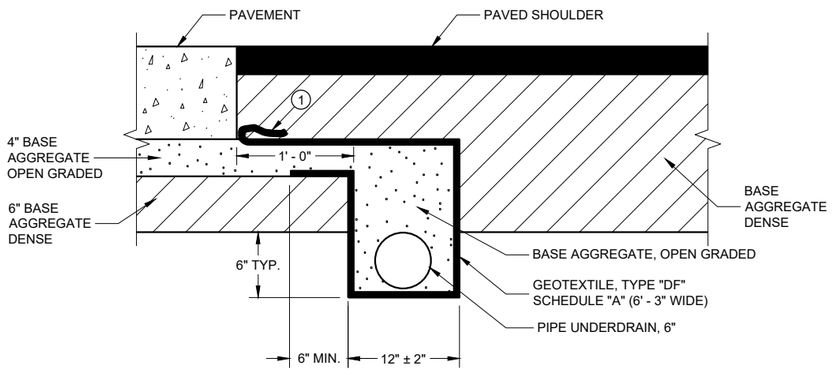
PIPE UNDERDRAIN SHALL BE LAID PARALLEL TO THE GRADE OF THE ROADWAY.

(1) FOLD OVER EXCESS GEOTEXTILE AT THIS LOCATION.

(2) TOTAL GEOTEXTILE WIDTH IS 6'-3" FOR PAYMENT.

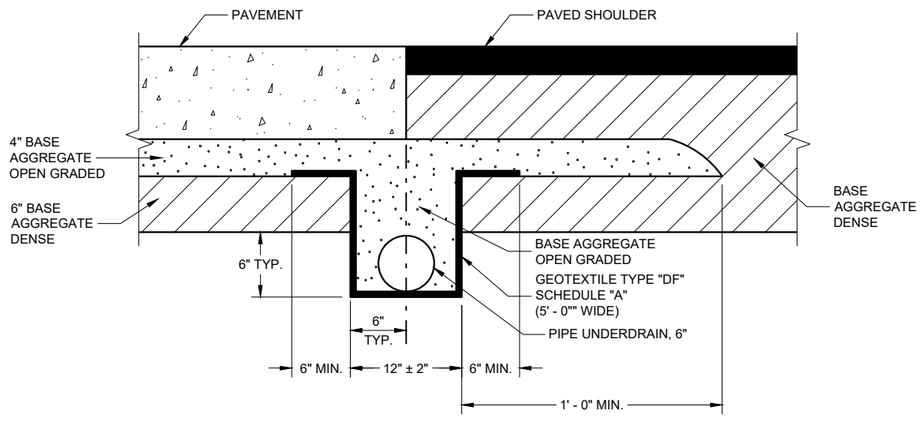


RURAL CROSS SECTION



POST PAVING INSTALLATION

(QUANTITIES ARE BASED ON THIS DETAIL)



PRE-PAVING INSTALLATION ALTERNATIVE

EDGEDRAIN IN RURAL ROADWAY

EGEDRAIN AND BASE AGGREGATE OPEN GRADED

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA

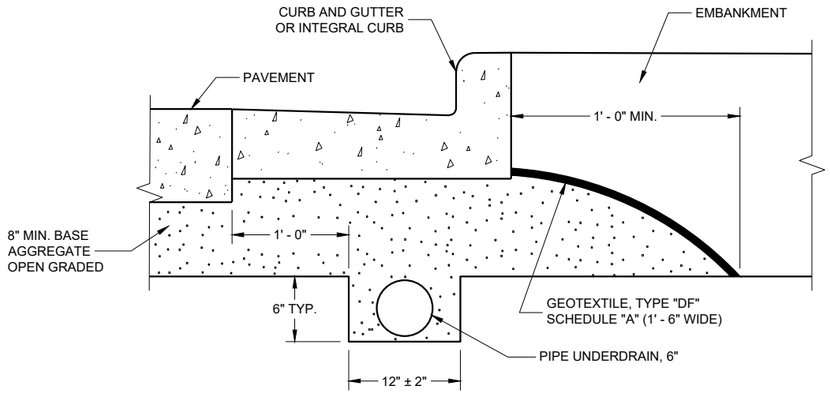
6

SDD 08D15 - 05b

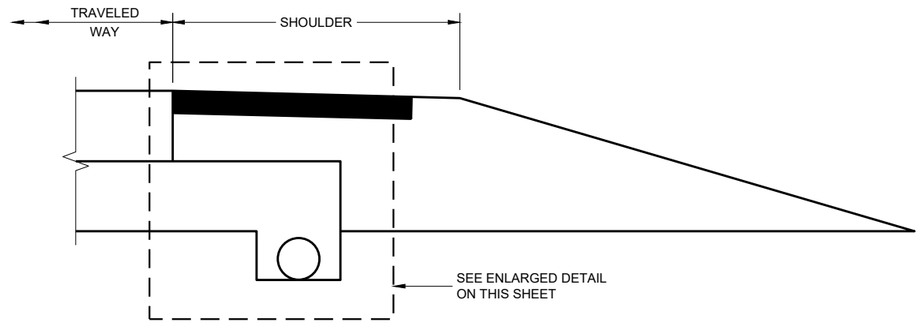
GENERAL NOTES

THE DIMENSIONS SHOWN ON THE TYPICAL CROSS SECTIONS WILL GOVERN IN THE EVENT THERE IS A CONFLICT WITH THE DETAILS SHOWN ON THIS DRAWING.

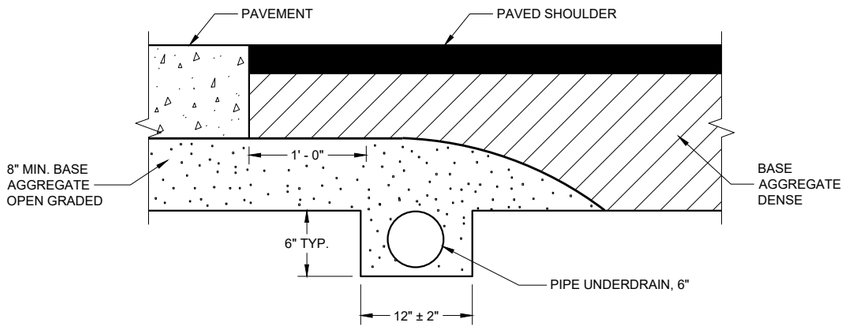
PIPE UNDERDRAIN SHALL BE LAID PARALLEL TO THE GRADE OF THE ROADWAY.



EDGEDRAIN IN URBAN ROADWAY

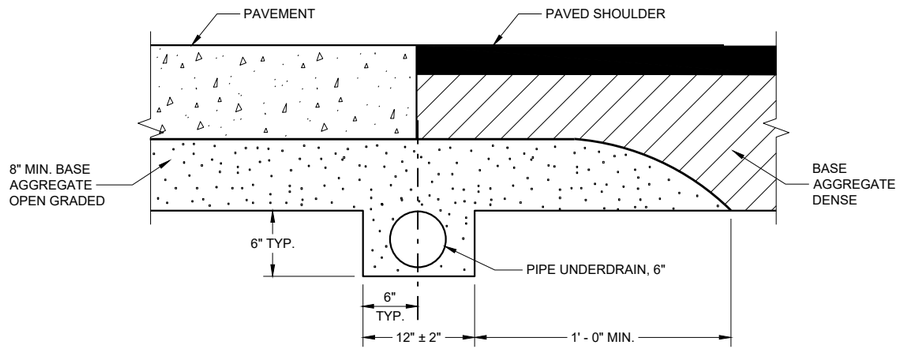


RURAL CROSS SECTION



POST PAVING INSTALLATION

(QUANTITIES ARE BASED ON THIS DETAIL)



PRE-PAVING INSTALLATION ALTERNATIVE

EDGEDRAIN IN RURAL ROADWAY

EDGEDRAIN AND BASE AGGREGATE OPEN GRADED

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
September 2015
DATE
/S/ Peter Kemp, P.E.
PAVEMENT SUPERVISO
FHWA

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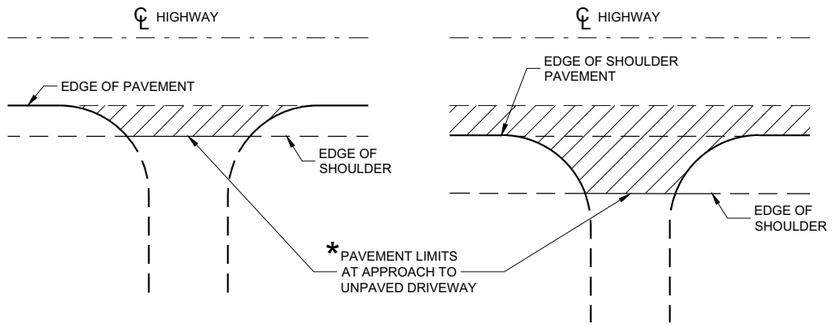
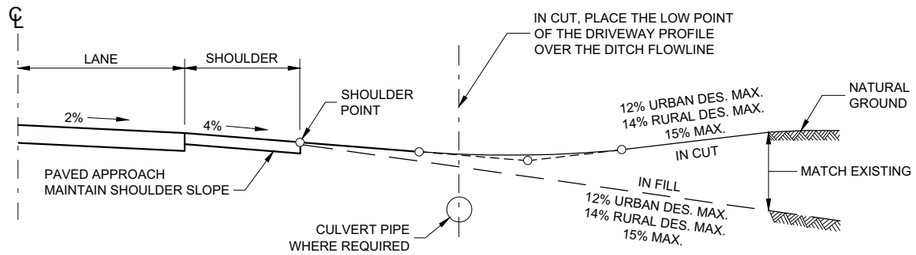
SDD 08D15 - 05c



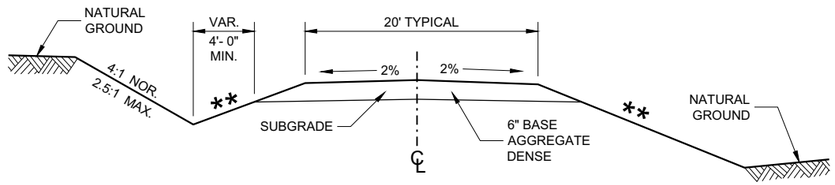
PLAN VIEW
(UNPAVED SHOULDER ON HIGHWAY)

PLAN VIEW
(PAVED SHOULDER ON HIGHWAY)

RURAL DRIVEWAY INTERSECTION DETAIL
(NO CURB AND GUTTER OR SIDEWALK)



TYPICAL DRIVEWAY PROFILES

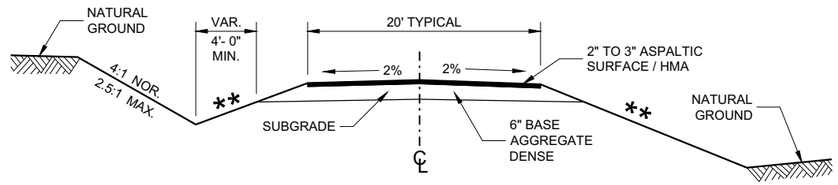


IN CUT **IN FILL**

TYPICAL CROSS SECTION FOR PRIVATE DRIVE OR FIELD ENTRANCE AGGREGATE SURFACE

** SLOPE CAN VARY WITH SPEED. SEE 11-45-30.6.2

POSTED SPEED MPH	MAX. SLOPE
<35	4:1
≥ 35 TO < 60	6:1
≥60	10:1



IN CUT **IN FILL**

TYPICAL CROSS SECTION FOR PRIVATE DRIVE OR FIELD ENTRANCE ASPHALTIC SURFACE

6

SDD 08D21 - 01

DRIVEWAYS WITHOUT CURB AND GUTTER

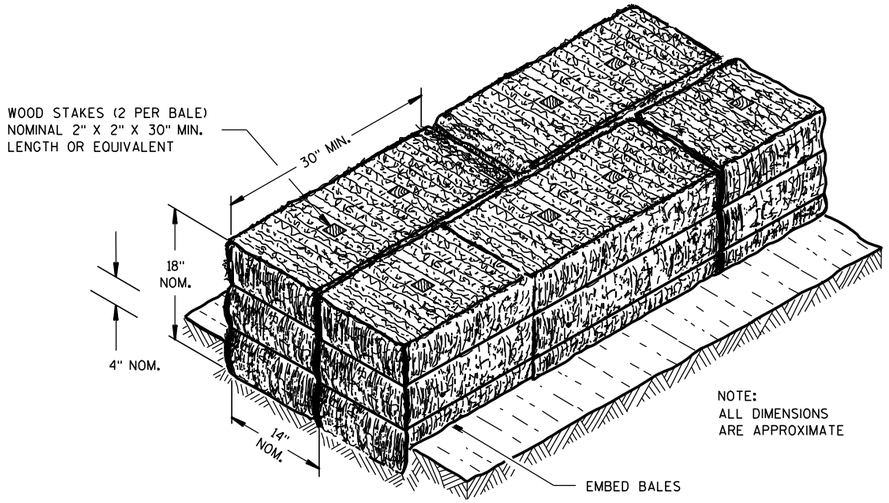
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December 2017 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE UNIT SUPERVISOR

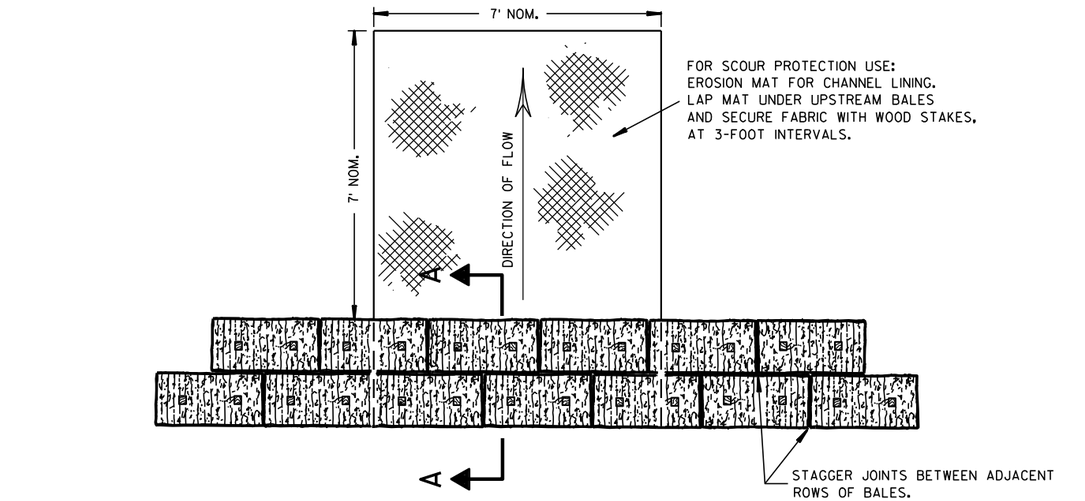
FHWA

6

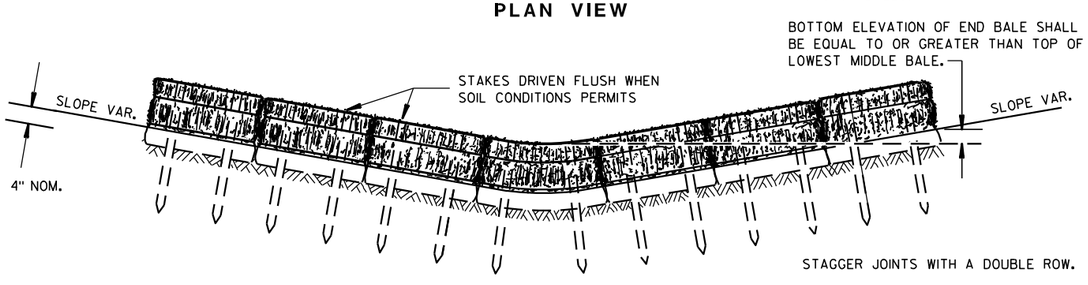
SDD 08D21 - 01



SECTION A-A



PLAN VIEW



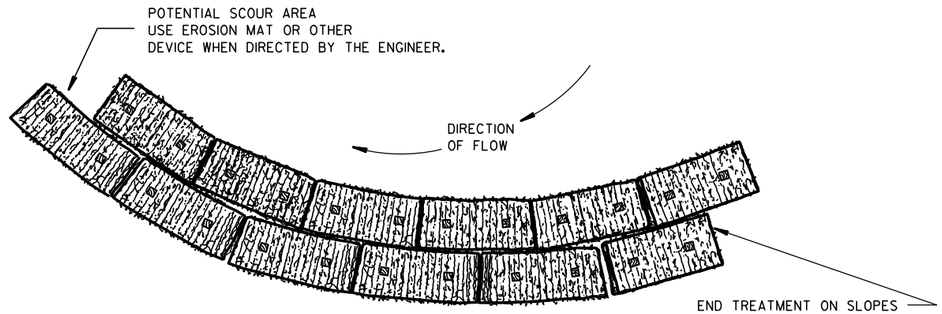
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES ①

GENERAL NOTES

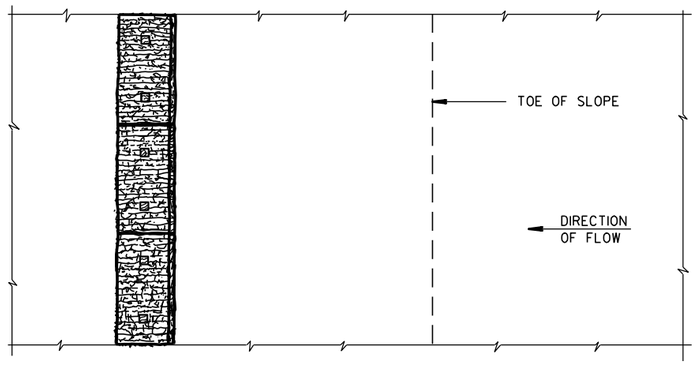
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

① TEMPORARY DITCH CHECKS EITHER EROSION BALES OR MANUFACTURED SHALL BE PAID FOR UNDER THE BID ITEM OF TEMPORARY DITCH CHECK. THE DEPARTMENT WILL NOT PAY FOR TEMPORARY DITCH CHECKS CONSTRUCTED OF A SINGLE ROW OF EROSION BALES.

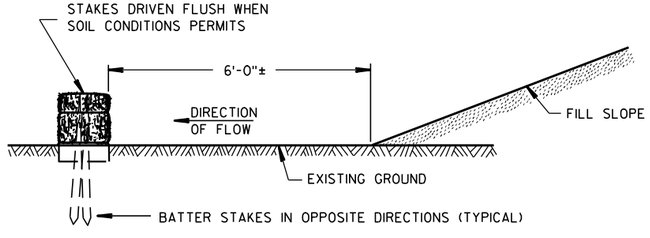


PLAN VIEW

WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

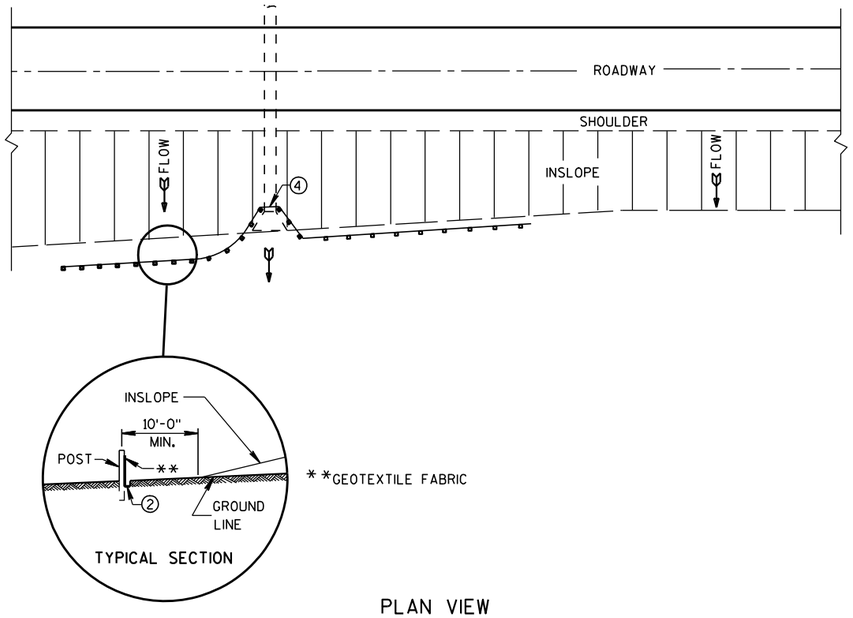
APPROVED
6/04/02 — DATE
/S/ Beth Cannestra — CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 8 E 8-3

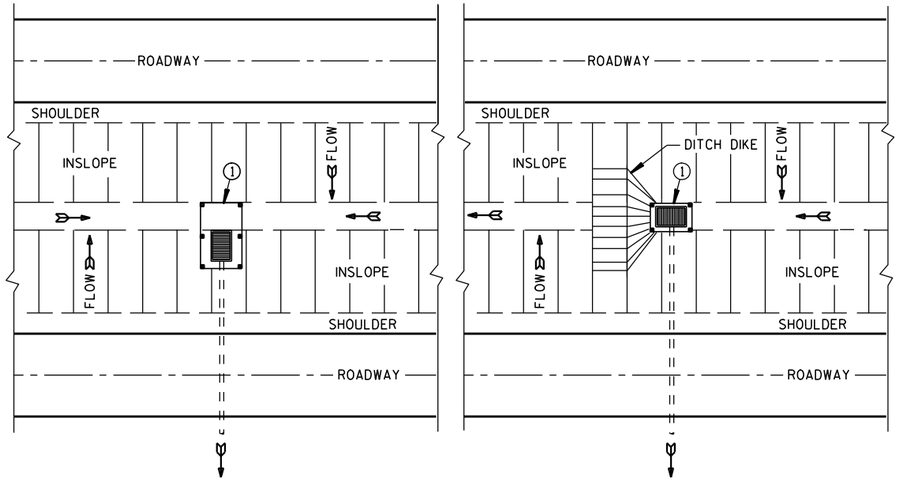
6

S.D.D. 8 E 8-3



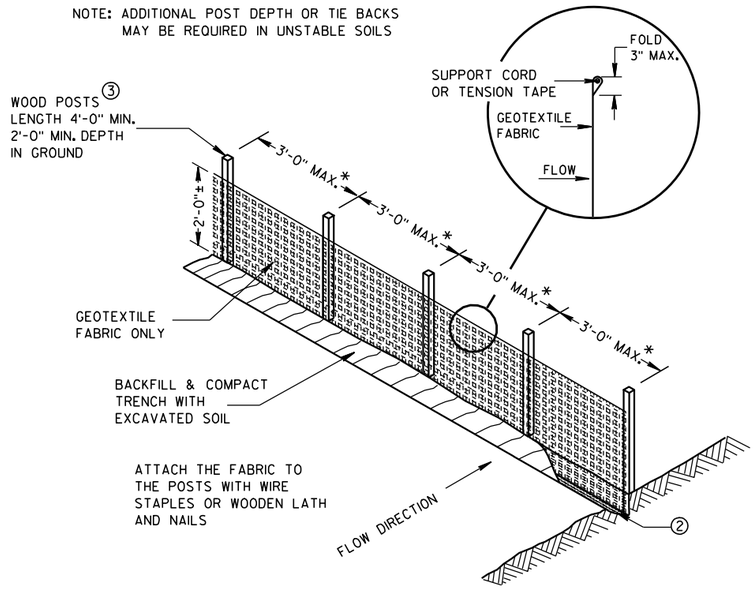
PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



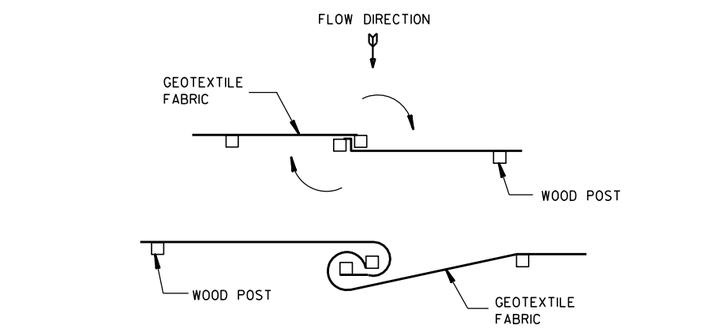
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

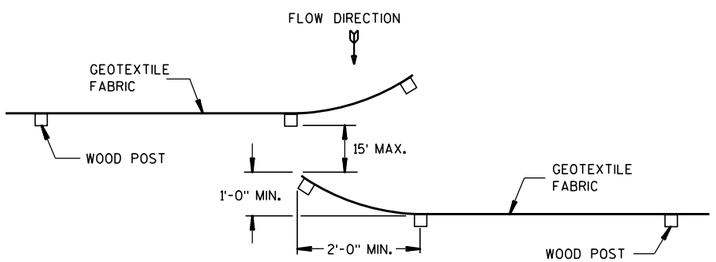


*NOTE: 8'-0" POST SPACING ALLOWED IF A WOVEN GEOTEXTILE FABRIC IS USED.

SILT FENCE



TWIST METHOD



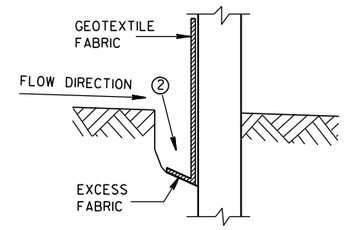
HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE 5

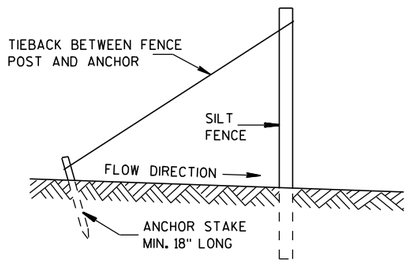
GENERAL NOTES

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 TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

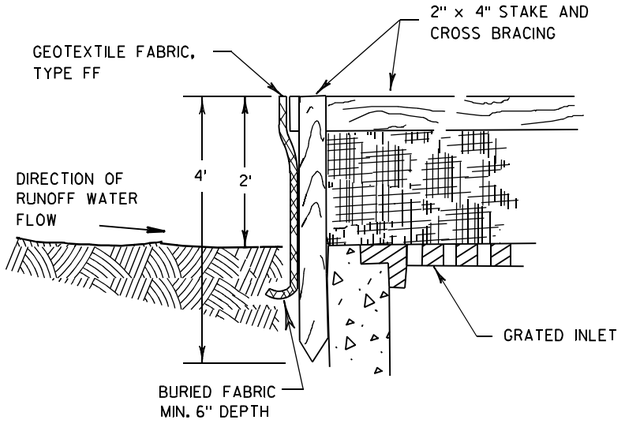
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

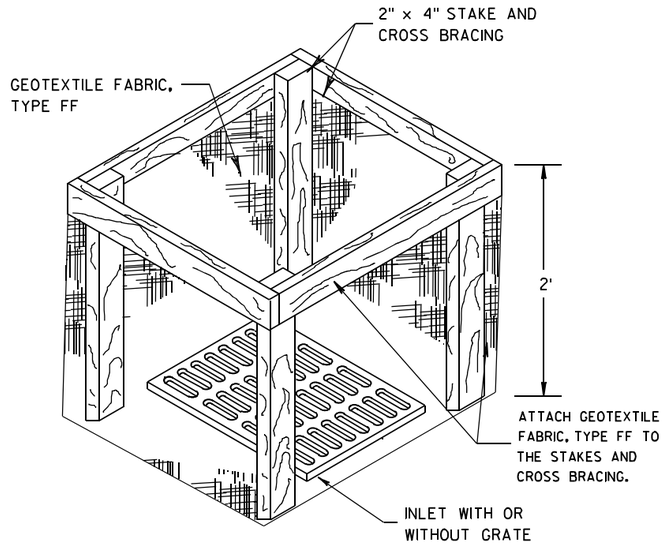
6

S.D.D. 8 E 9-6

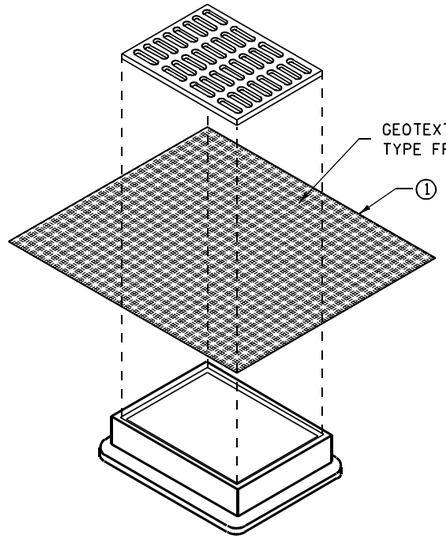
6

S.D.D. 8 E 9-6



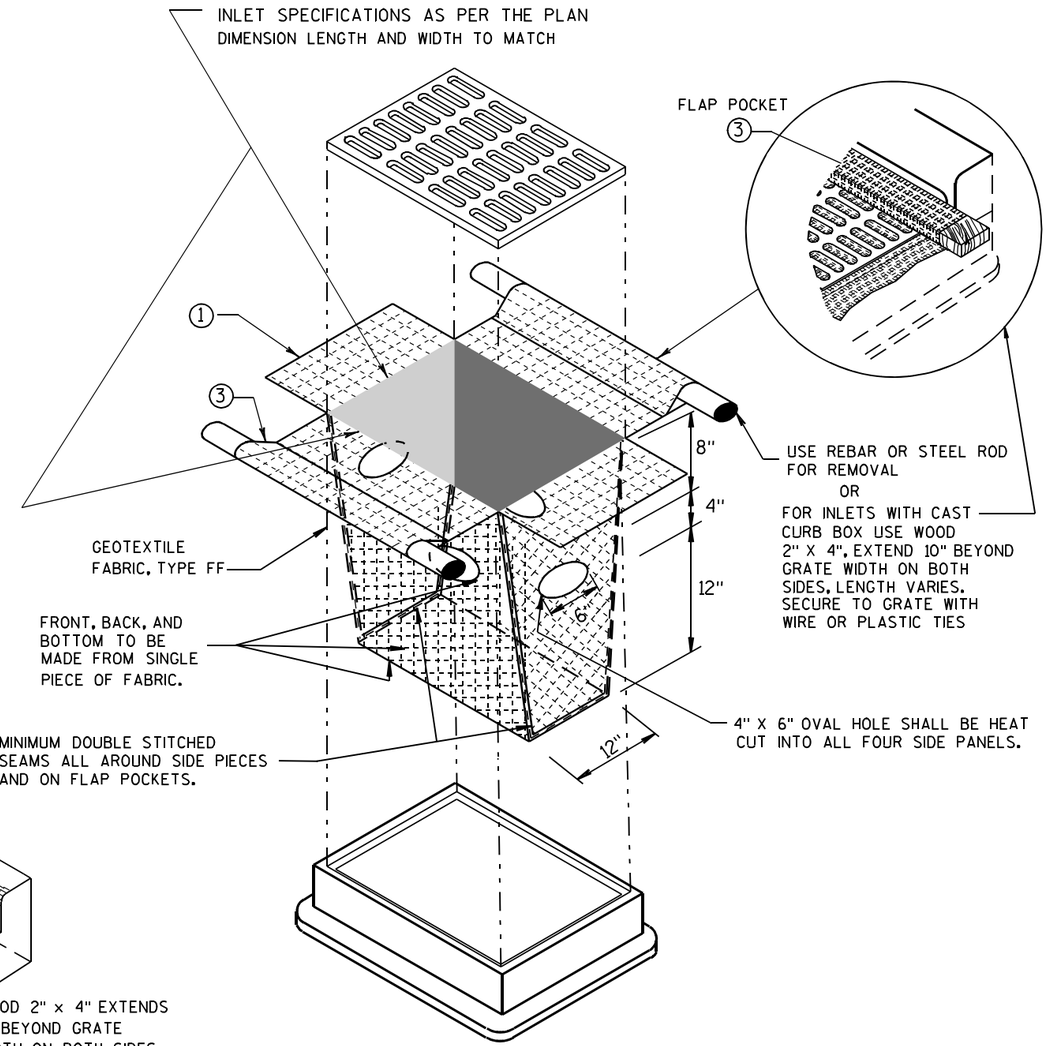


INLET PROTECTION, TYPE A



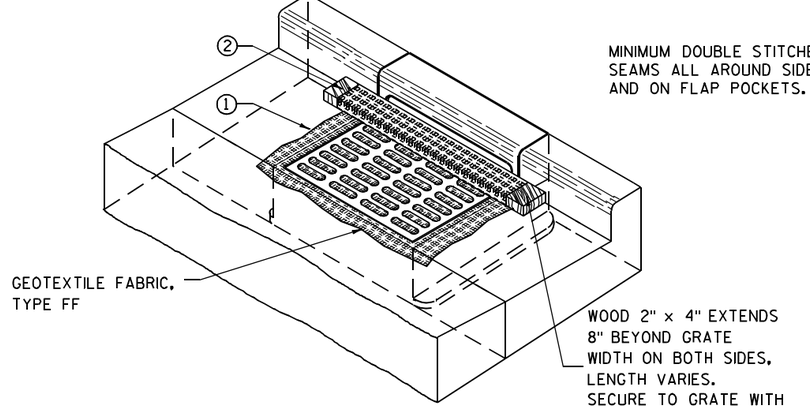
INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE ②)



INLET PROTECTION, TYPE C (WITH CURB BOX)

GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

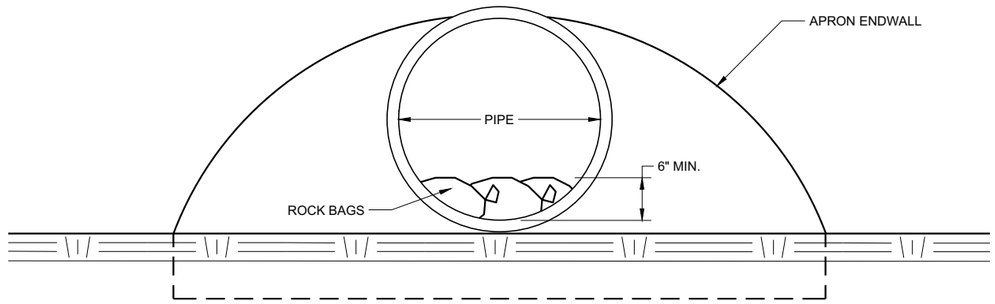
THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

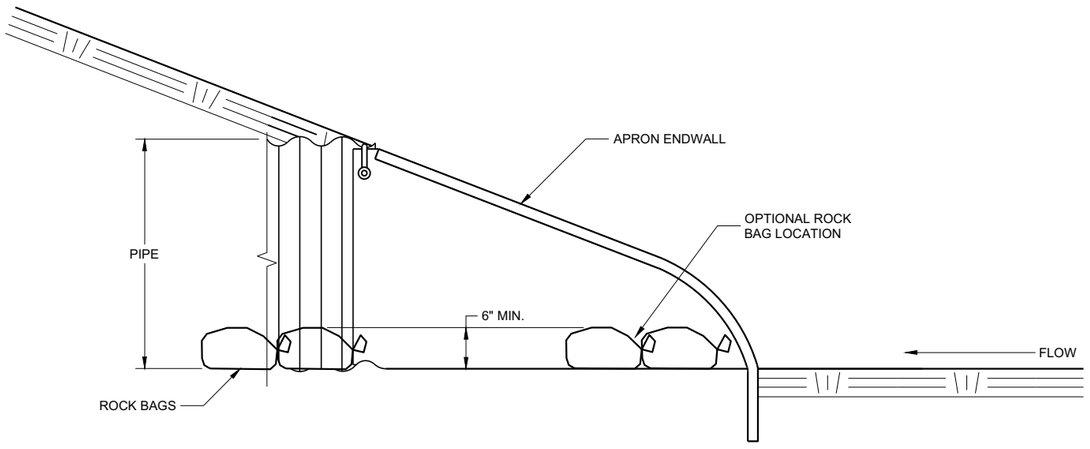
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/16/02
DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6
S.D.D. 8 E 10-2



END VIEW



SIDE VIEW

CULVERT PIPE CHECK

(INSTALL ON INLET END ONLY)

CULVERT PIPE CHECK	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED May 2019 DATE	/S/ Daniel Schave EROSION CONTROL ENGI
FHWA	

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SDD 08E15 - 01

METAL APRON ENDWALLS

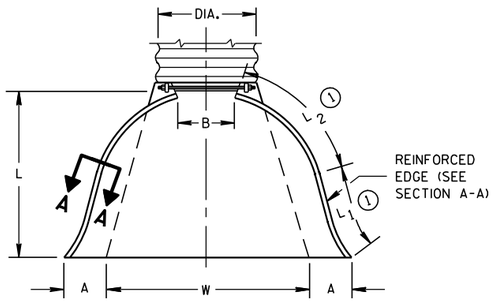
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	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

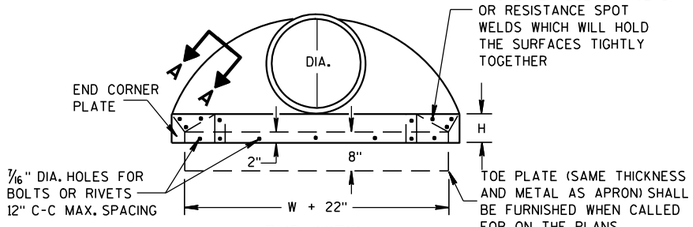
REINFORCED CONCRETE APRON ENDWALLS

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

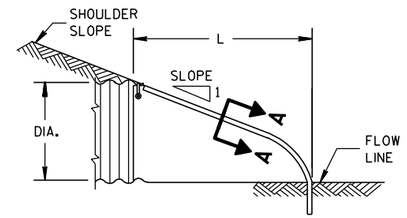
*MINIMUM
**MAXIMUM



PLAN VIEW

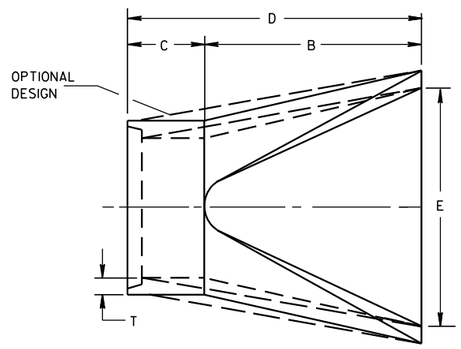


END VIEW

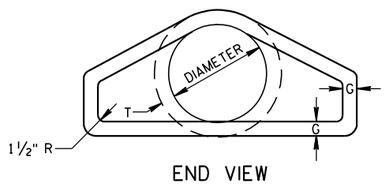


SIDE ELEVATION

METAL ENDWALLS



PLAN



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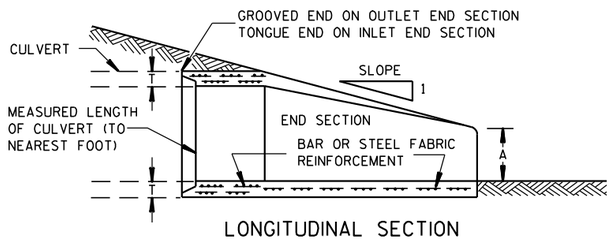
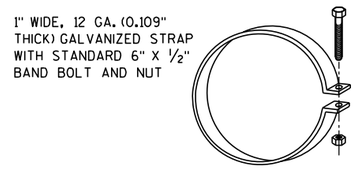


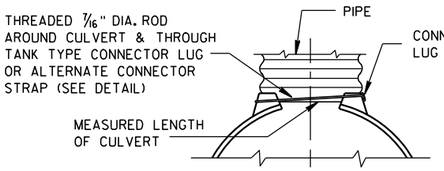
LONGITUDINAL SECTION

CONCRETE ENDWALLS

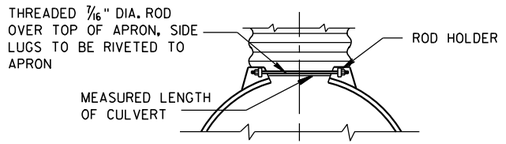


ALTERNATE FOR TYPE 1 CONNECTION

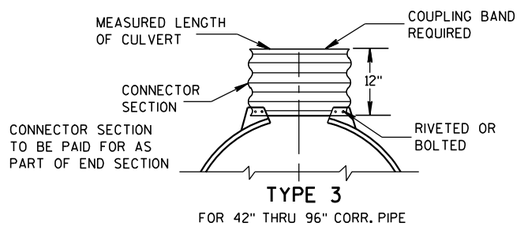
END SECTION CONNECTOR STRAP



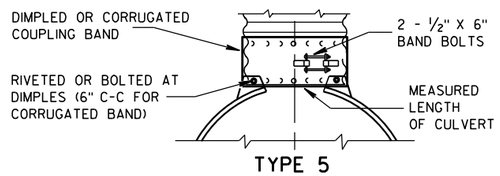
TYPE 1
FOR 12" THRU 24" CORR. PIPE



TYPE 2
FOR 30" THRU 96" CORR. PIPE



TYPE 3
FOR 42" THRU 96" CORR. PIPE



TYPE 5
ALTERNATE FOR:
ALL SIZES CORRUGATED CIRCULAR PIPE

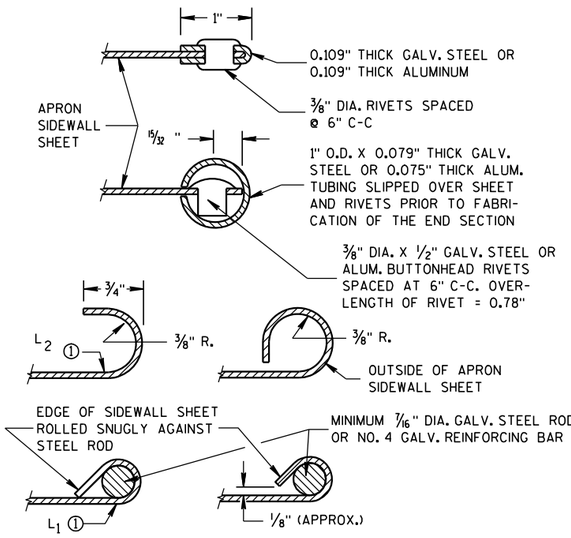
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

FOR CIRCUMFERENTIALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2, 3 OR 5 AS APPLICABLE.

FOR HELICALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2 OR 5.

FOR HELICALLY CORRUGATED PIPES WITH TWO CIRCUMFERENTIAL CORRUGATIONS AT EACH END USE ENDWALL CONNECTION DETAILS 1, 2 OR 3.

CONNECTION DETAILS



SECTION A-A

GENERAL NOTES

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

CONCRETE CULVERT ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 60" THROUGH 96" DIAMETER APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

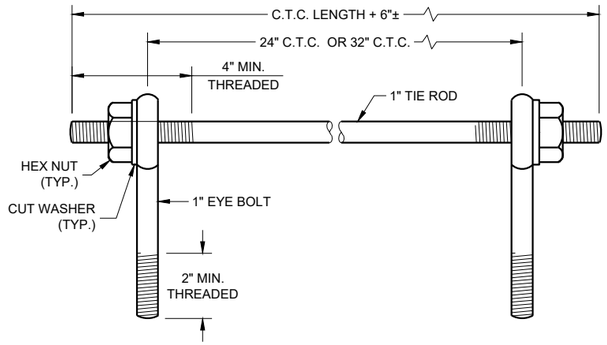
① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE

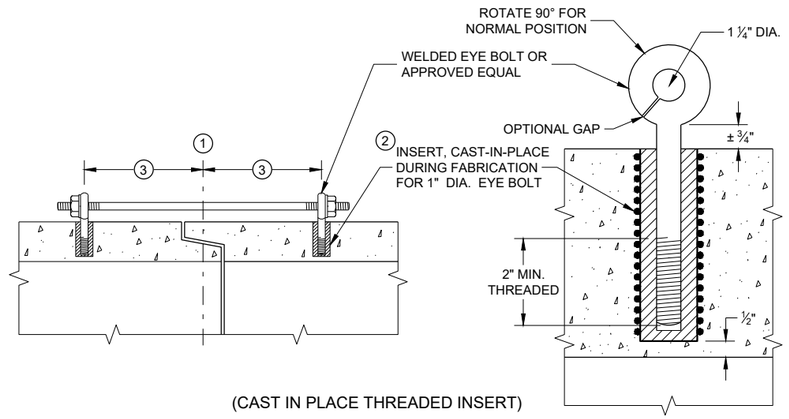
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6
S.D.D. 8 F 1-11



EYE BOLTS AND TIE ROD



(CAST IN PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 1)

GENERAL NOTES

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

CONCRETE CULVERT AND STORM SEWER PIPE SHALL BE TIED TOGETHER IN THE MANNER ILLUSTRATED BY THIS DETAIL AT LOCATIONS DESIGNATED IN THE STANDARD SPECIFICATIONS AND THE PLAN. THE CONTRACTOR MAY USE EITHER ALTERNATE 1, 2 OR 3 FOR DRAINAGE STRUCTURES. ONLY ALTERNATE 1 AND 3 MAY BE USED FOR CATTLE PASSES, UNLESS OTHERWISE STATED IN THE CONTRACT. THE MATERIALS, FABRICATION AND WORK NECESSARY TO TIE THE PIPE BY THIS DETAIL WILL BE CONSIDERED INCIDENTAL TO THE PIPE AND APRON ENDWALLS IF REQUIRED.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR JOINT TIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

JOINT TIES TO BE HOT-DIP GALVANIZED PER ASTM A 153.

(1) CENTER LINE OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.

(2) THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

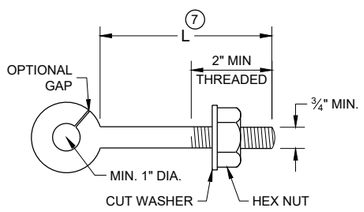
(3) HOLES SHALL BE CAST-IN-PLACE OR DRILLED PER THE APPLICABLE DETAIL, AND EQUAL DISTANCE FROM THE CENTERLINE OF THE JOINT.

(4) BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

(5) OPENING TO BE ROD DIAMETER PLUS 1 INCH.

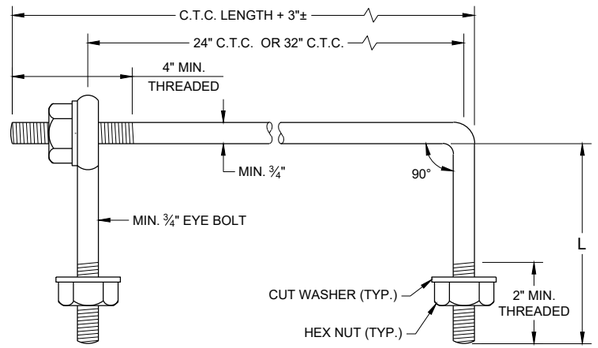
(6) LENGTH ADEQUATE TO EXTEND TO WITHIN ½ INCH OF THE INNER SURFACE OF THE PIPE.

(7) EYE BOLT LENGTH DETERMINED BY WALL THICKNESS, BELL THICKNESS AND BOLT PROJECTION INSIDE PIPE.

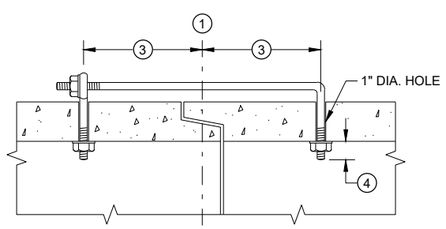


EYE BOLT (7)

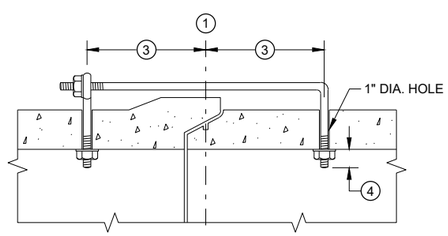
NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" OR 38" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD



(TONGUE AND GROOVE PIPE)



(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

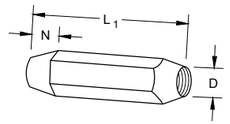
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

ADJUSTABLE TIE ROD TABLE

PIPE DIAMETER	TIE ROD DIAMETER	D	L_1	N
12 - 60	⅝	⅝	5	½
66 - 84	¾	¾	5	½
90 - 144	1	1	7	1 7/16

DIMENSIONS SHOWN ARE IN INCHES



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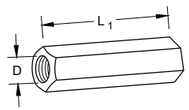
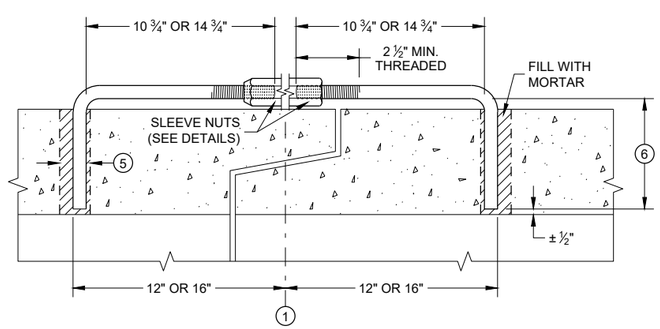


PLAIN

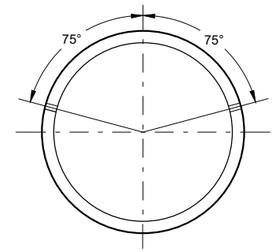
RIGHT AND LEFT THREADS

SLEEVE NUTS



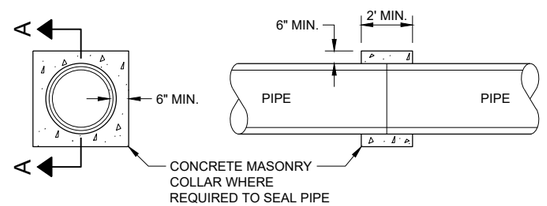
LONGITUDINAL SECTION

ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



PLACEMENT OF (2) CAST-IN-PLACE INSERTS OR HOLES DURING FABRICATION FOR PIPE SECTIONS REQUIRING TIE RODS

TRANSVERSE SECTION



SECTION A - A

CONCRETE COLLAR DETAIL

JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2021
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

FHWA

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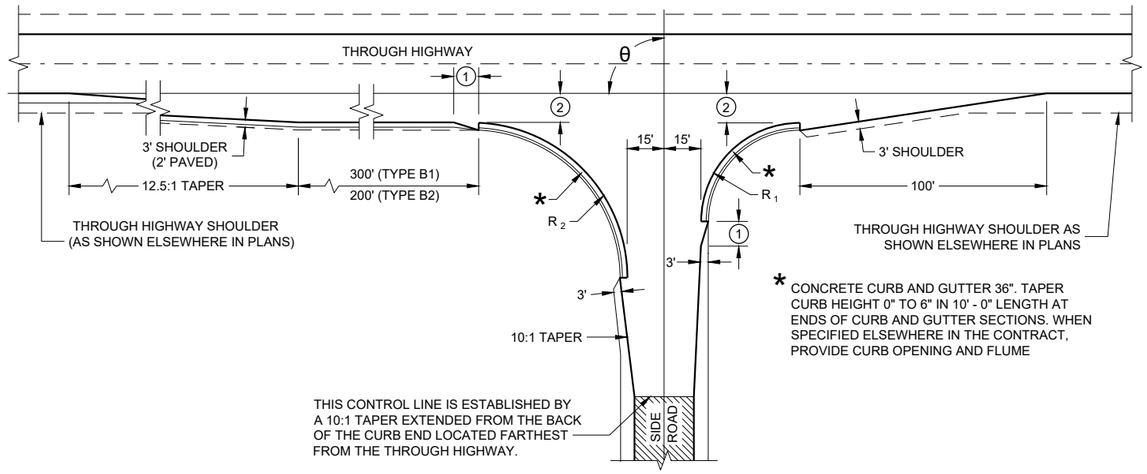
SDD 08F04 - 08



* CONCRETE CURB AND GUTTER 36". TAPER CURB HEIGHT 0" TO 6" IN 10' - 0" LENGTH AT ENDS OF CURB AND GUTTER SECTIONS. WHEN SPECIFIED ELSEWHERE IN THE CONTRACT, PROVIDE CURB OPENING AND FLUME

TYPE "B1" AND "B2"

RADII DIMENSIONS FOR TYPES "B1", "B2", "C" AND "D" INTERSECTIONS

θ	R_1	R_2
65 - 70	35	70
71 - 80	40	70
81 - 90	40	60
91 - 100	50	55
101 - 110	60	45

GENERAL NOTES

DESIGNS MAY BE USED INTERCHANGEABLY IN COMBINATION OR SEPARATELY FOR ANY ONE COMPLETE INTERSECTION DEPENDING UPON INTERSECTION ANGLE AND SURFACING OF EACH APPROACH ROADWAY.

SIDE ROAD SURFACING NOTE

WHEN THE SIDE ROAD IS NOT PRESENTLY PAVED, PAVEMENT SHALL BE PLACED TO THE LIMITS SHOWN UNLESS OTHERWISE PROVIDED IN THE CONTRACT. WHERE THE CONSTRUCTION LIMITS ARE BEYOND THE PAVING LIMITS, CRUSHED AGGREGATE SURFACING SHALL BE PLACED BETWEEN THE PAVING LIMITS AND CONSTRUCTION LIMITS.

WHEN THE SIDE ROAD IS PRESENTLY PAVED, NEW PAVEMENT SHALL BE PLACED TO THE LIMITS OF DESIGN AS SHOWN AND BEYOND, IF NECESSARY, TO MEET EXISTING PAVEMENT.

WHEN THE SIDE ROAD IS THE CONSTRUCTION PROJECT, THE INTERSECTION SURFACING SHALL BE THE SAME AS FOR THE PROJECT.

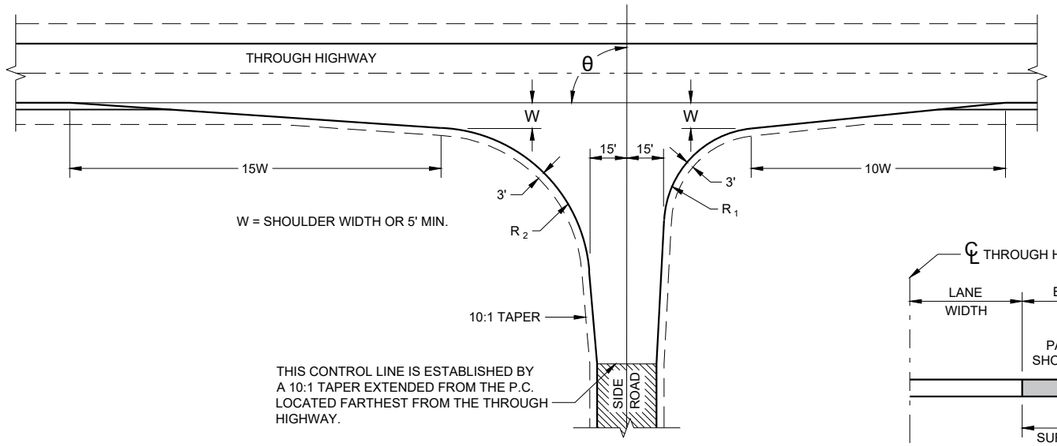
(1) 10-FT TYPICAL.

(2) 12-FT** PLUS ADDITIONAL WIDTH FOR BIKE LANE IF SHOWN ELSEWHERE IN THE PLAN.

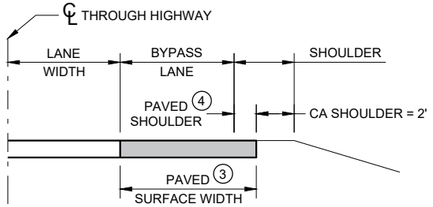
**10-FT MAY BE USED ON TYPE B2 ON RESURFACING PROJECTS IF SPECIFIED IN THE CONTRACT.

(3) BYPASS LANE PAVED SURFACE WIDTH OUTSIDE OF TRAVEL LANE
- ASPHALT = 12-FT PLUS PAVED SHOULDER WIDTH
- PC CONCRETE = 13-FT PLUS PAVED SHOULDER WIDTH

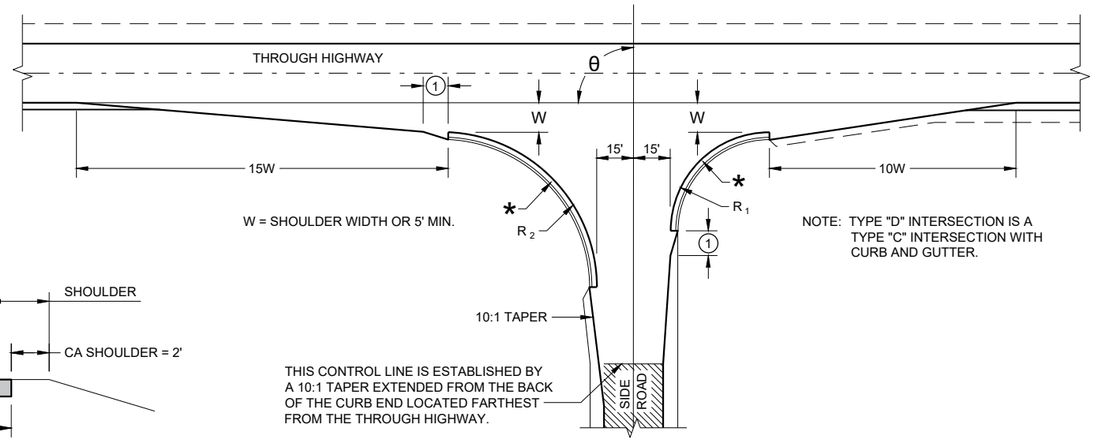
(4) BYPASS LANE PAVED SHOULDER WIDTH = THE GREATER OF 1-FT OR THE PAVED SHOULDER WIDTH OF THE THROUGH HIGHWAY.



TYPE "C"

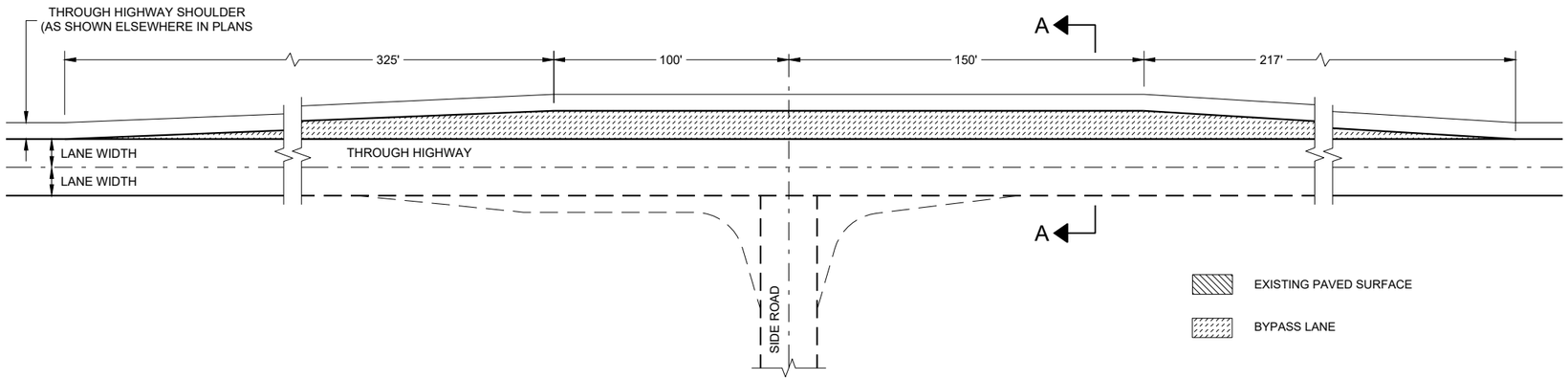


SECTION A - A
(SHOWING BYPASS LANE AND SHOULDER)



NOTE: TYPE "D" INTERSECTION IS A TYPE "C" INTERSECTION WITH CURB AND GUTTER.

TYPE "D"



TEE INTERSECTION BYPASS LANE DETAIL

AT GRADE SIDE ROAD INTERSECTION TYPES "B1", "B2", "C", "D" AND TEE INTERSECTION BYPASS LANE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 09A01 - 14a

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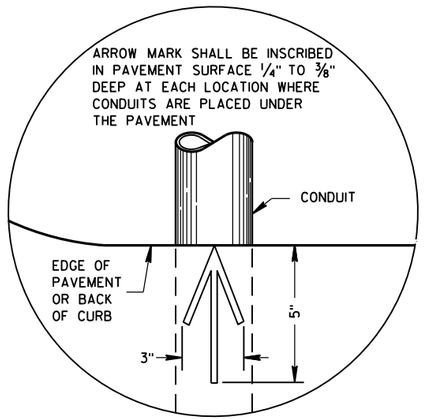
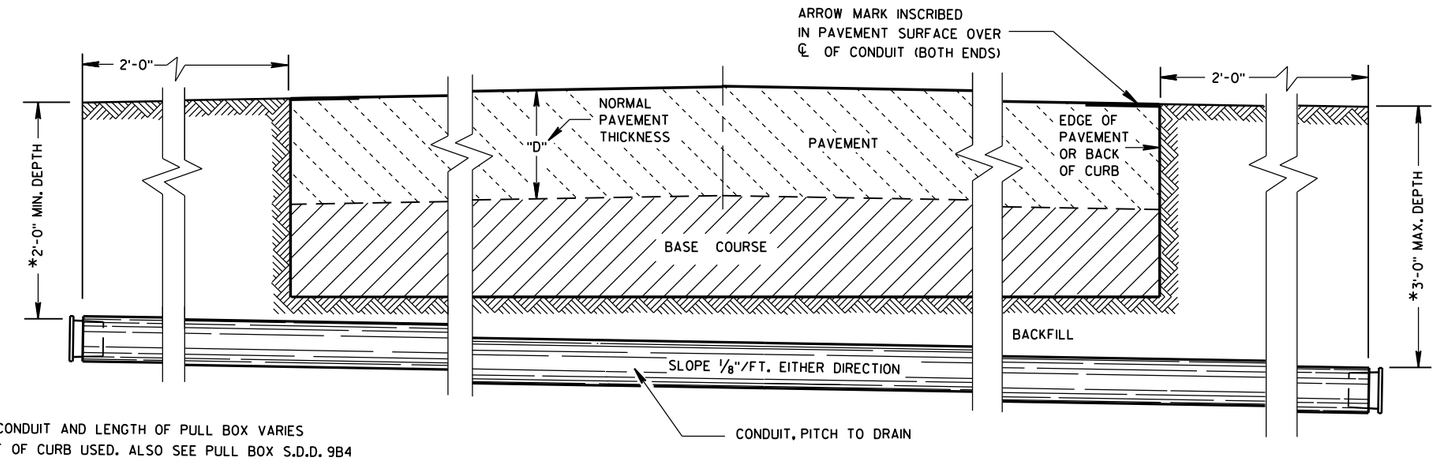
SDD 09A01 - 14a



PLAN VIEW

ARROW MARK



*DEPTH OF CONDUIT AND LENGTH OF PULL BOX VARIES WITH HEIGHT OF CURB USED. ALSO SEE PULL BOX S.D.D. 9B4

SIDE ELEVATION

DETAIL FOR CONDUIT UNDER PAVED HIGHWAYS

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

METALLIC (STANDARD SPECIFICATION 652.2.2) OR NONMETALLIC (STANDARD SPECIFICATION 652.2.3) CONDUIT SHALL BE FURNISHED AND PLACED AS SHOWN.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

THE TRENCH SHALL NOT BE BACKFILLED PRIOR TO INSPECTION OF THE CONDUIT.

ALL METALLIC CONDUIT RACEWAY ENDS SHALL BE REAMED AND THREADED.

ALL METALLIC CONDUIT IN WHICH WIRE OR CABLE IS TO BE INSTALLED SHALL BE BUSHED WITH APPROVED THREADED BUSHINGS BEFORE INSTALLATION OF THE WIRE OR CABLE.

ALL METALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT TO BE INSTALLED SHALL BE CAPPED WITH THREADED PROTECTIVE CAPS, AS APPROVED BY THE ENGINEER.

ALL NONMETALLIC CONDUIT SHALL BE CAPPED OR PLUGGED IMMEDIATELY AFTER INSTALLATION AND SHALL REMAIN CAPPED OR PLUGGED UNTIL WIRE/CABLES ARE INSTALLED.

NONMETALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BENDING OF PVC ELECTRICAL CONDUIT SHALL BE ACCOMPLISHED BY USING A BLANKET OR EMERSION TYPE TANK DESIGNED FOR THE PURPOSE OF BENDING PVC ELECTRICAL CONDUIT.

ALL CUT ENDS SHALL BE TRIMMED INSIDE AND OUTSIDE TO REMOVE ALL ROUGH EDGES ON NONMETALLIC CONDUIT. (SEE NEC 347.5)

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY U.L. LISTED ADAPTER FITTINGS SHALL BE USED.

PRIOR TO CONDUIT ACCEPTANCE, CONDUIT CAPS OR PLUGS SHALL BE REMOVED, AND THE CAPS, PLUGS AND CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND THEN THE CAPS OR PLUGS REINSTALLED TO ENSURE THAT THE CAPS OR PLUGS CAN BE EASILY REMOVED IN THE FUTURE.

ALL CONDUIT BEING FURNISHED AND INSTALLED SHALL HAVE THE U.L. LABEL FIRMLY ATTACHED.

CONDUIT RUNS SHALL BE THE SAME SIZE OF CONDUIT FROM ONE END TO THE OTHER (FROM PULL BOX TO PULL BOX-OR-JUNCTION BOX TO JUNCTION BOX-OR-BASE TO BASE, ETC.).

TRACER WIRE SHALL BE INSTALLED AS STATED IN THE STANDARD SPECIFICATION, ITEM 652.3.1.1.

ALL CONDUIT RUNS SHALL BE STRAIGHT (WITHOUT BENDS) FROM PULL BOX TO PULL BOX, PULL BOX TO BASE AND BASE TO BASE AS SHOWN ON THE PLANS.

CONDUIT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March, 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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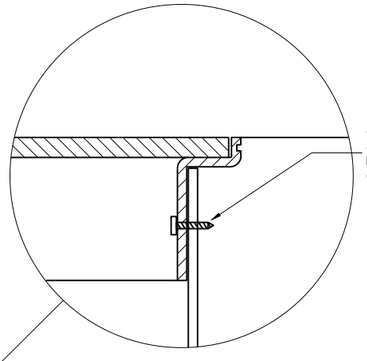
S.D.D. 9 B 2-10

TABLE OF NOMINAL DIMENSIONS
AND WEIGHTS

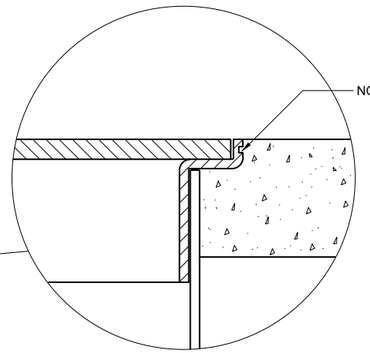
DIMENSION IN INCHES		NON- CONDUCTIVE PULL BOX	
BOX DIAMETER ** (INSIDE)	A	24	24
BOX OVERALL OUTSIDE DIAMETER	B	27	27
BOX LENGTH	C	36	42
FRAME OPENING	D	22 ½	22 ½
WEIGHT IN POUNDS *			
COVER		50	50
BOX ONLY		75	85

*THE ACTUAL WEIGHT OF THE COVER OR BOX ONLY MAY VARY NOT TO EXCEED 100 LBS INDIVIDUALLY.

** DIAMETER VARIES FROM TOP TO BOTTOM WITH THE DIAMETER LARGER AT THE BOTTOM TO PREVENT FROST HEAVE.



INSTALLED IN SOD OR CRUSHED AGGREGATE



INSTALLED IN SIDEWALK

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

ALL BOXES, FRAMES AND COVERS SHALL BE SUITABLE FOR TIER 15 LOADING AS SPECIFIED IN ANSI/SCTE 77.

PROVIDE AN OPENING FOR TOOL ASSISTED COVER REMOVAL NOT LARGE ENOUGH TO PERMIT PASSAGE OF A SPHERE MORE THAN ½" DIAMETER

ENSURE COVER SURFACE IS SKID RESISTANT WITH A COEFFICIENT OF FRICTION OF AT LEAST 0.5 AND VERTICAL SURFACE DICONTINUITIES LESS THAN ¼".

COVER SHALL BE MAGNETICALLY LOCATABLE.

BOXES AND EXTENSIONS ARE TRIMMABLE FOR CUSTOM LENGTHS. TRIMMED PIECES SHALL MAINTAIN A UNIFORM LENGTH.

ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN ¼".

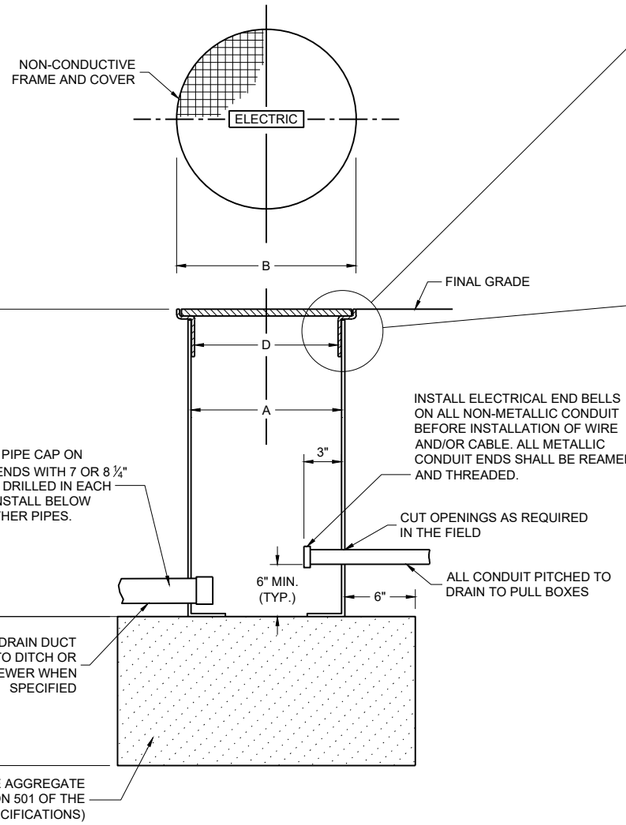
THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

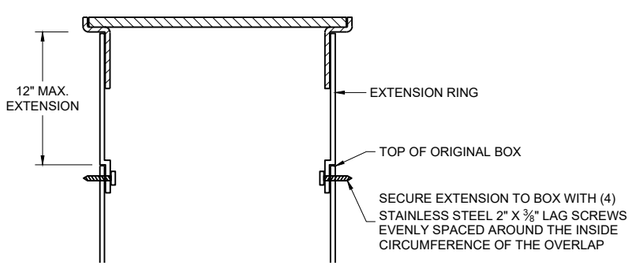
ENTIRE BOX MUST BE CONSTRUCTED OF NON-CONDUCTIVE MATERIALS WITH THE EXCEPTION OF STAINLESS STEEL FASTENERS AND MAGNETIC LOCATABLE DEVICE.

WHEN A PULL BOX IS INSTALLED IN CRUSHED AGGREGATE SHOULDERS, PLACE IT 2-3 INCHES BELOW GRADE AND COVER IT WITH 2-3 INCHES OF CRUSHED AGGREGATE.

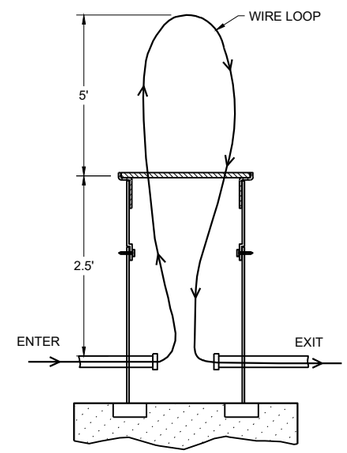
LABEL ON COVER SHALL READ "ELECTRIC" FOR SIGNAL AND LIGHTING SYSTEMS, "WISDOT ITS" FOR COMMUNICATIONS AND ITS EQUIPMENT SYSTEMS.



NON-CONDUCTIVE PULL BOX



BOX EXTENSION



MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX

PULL BOXES NON-CONDUCTIVE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2024 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL ENGINEER

FHWA

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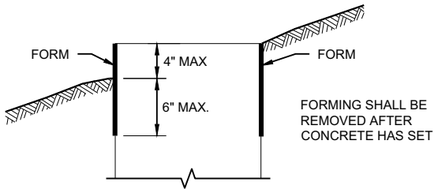
SDD 09B16-03

FORM DEPTH SHALL BE NO MORE THAN 6" BELOW GRADE ON THE LOWER SIDE OF BASE



FORMING DETAIL

QUANTITY REQUIREMENTS	CONCRETE BASE TYPE		
	1	2	5 & 6
APPROX. CUBIC YARDS OF CONCRETE	0.40	0.57	0.40
LBS. OF HOOP BAR STEEL	NONE	23	16
LBS. OF VERTICAL BAR STEEL	NONE	60	18

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWINGSHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

BASES SHALL BE EXCAVATED BY USE OF A CIRCULAR AUGER.

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

CONDUIT SIZES AND LOCATIONS SHALL BE SHOWN ON THE PLANS

THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN A THE ENTRANCE OF THE BASE.

ENDS OF CONDUIT INSTALLED BELOW GRADE FRO FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON-METALLIC.

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

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 1 INCH. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON-METALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION.

WHEN REQUIRED TO CONNECT NON-METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE DIRT OR FILL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUND THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

A NO. 4 AWG STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD) FOR TYPE 2, TYPE 5 AND TYPE 6 BASES.

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER ALL BASE TYPES THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

ANCHOR RODS SHALL BE THREADED 12" IN LENGTH ON EACH END OF THE ROD. ANCHOR RODS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 654.2.1 OF THE STANDARD SPECIFICATIONS.

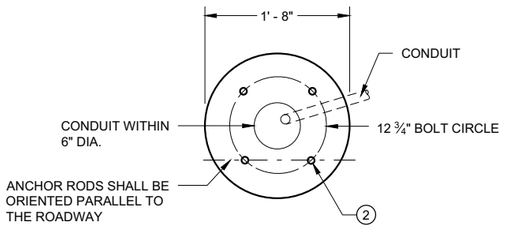
WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

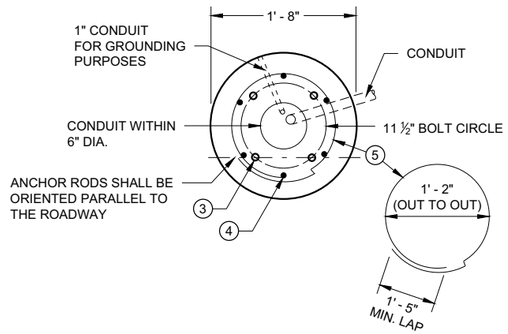
WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4 INCH"L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND SHALL NOT BE THREADED.

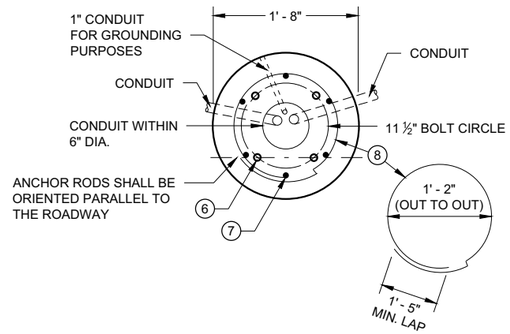
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

WELDING OF THE ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TIE WIRES SHALL BE USED.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).







1 THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES EXCEPT WITH WRITTEN APPROVAL OF THE ENGINEER.

2 (4) 1" DIA. X 3' - 6" ANCHOR RODS.

3 (4) 1" DIA. X 5' - 0" ANCHOR RODS.

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

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

6 (4) 1" DIA. X 3' - 6" ANCHOR RODS.

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

8 (5) NO. 4 X 5' - 1" BAR STELL REINFORCEMENT @ 1' - 0" C -C.

9 EXOTHERMIC CONNECTION TO EUIPMENT GROUNDING CONDUCTOR

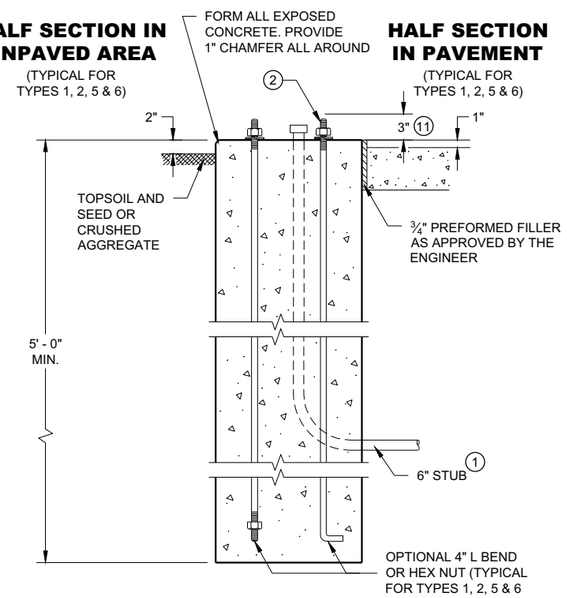
10 ⅝" DIA. X 8' -0" COPPERCLAD EQUIPMENT GROUNDING ELECTRODE REQUIRED

11 ANY ANCHOR ROD PROJECTION SHORTER THAN 2 ¾" OR LONGER THAN 3 ¼" SHALL REQUIRE THE BASE TO BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.

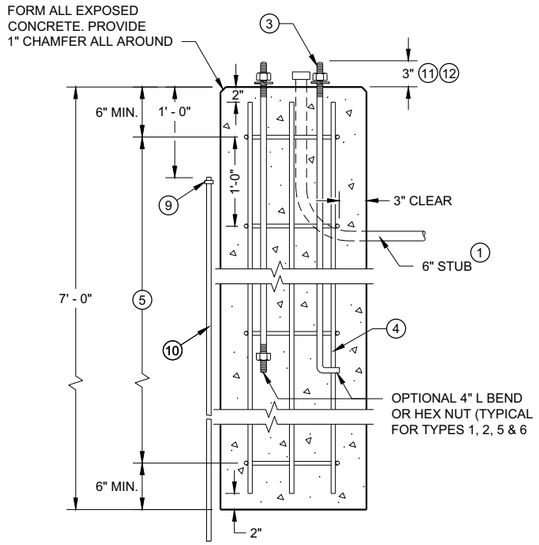
12 FOR NON - BREAKAWAY INSTALLATIONS, 4 ½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

HALF SECTION IN UNPAVED AREA
(TYPICAL FOR TYPES 1, 2, 5 & 6)

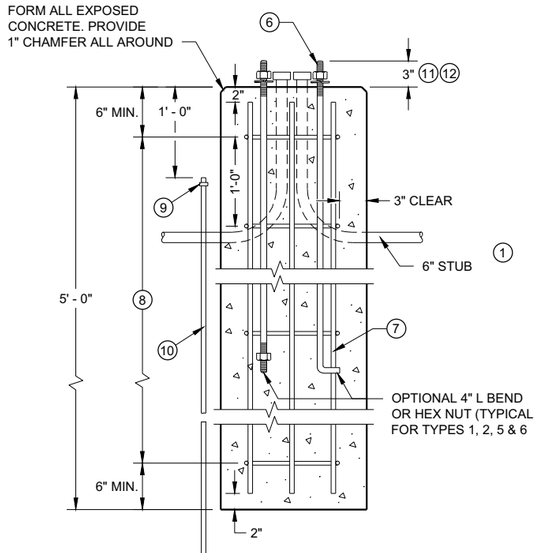
HALF SECTION IN PAVEMENT
(TYPICAL FOR TYPES 1, 2, 5 & 6)



TYPE 1



TYPE 2



TYPE 5 & 6

CONCRETE BASES

CONCRETE BASES
TYPES 1, 2, 5, & 6

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI

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GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

FOUR (4) BOLTS SHALL BE FURNISHED WITH EACH TRANSFORMER BASE. BOLTS SHALL BE 1" DIAMETER, 4" IN LENGTH, WITH WASHERS, LOCK WASHERS AND NUTS. BOLTS, NUTS AND WASHERS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 531.2.2 OF THE STANDARD SPECIFICATIONS.

LEVELING SHIMS, IF NEEDED, SHALL BE DESIGNED FOR THE PURPOSE AND USED UNDER CAST BASES WHEN PLUMBING POLES OR STANDARDS DURING INSTALLATION. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE.

SHIM LENGTH SHALL BE LONG ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.

DOUBLE NUTTING IS NOT ACCEPTABLE FOR LEVELING OR MOUNTING PURPOSES.

A NEMA APPROVED, U.L. LISTED, COPPER WITH BRASS OR STAINLESS STEEL SET SCREW, DIRECT BURY RATED, MECHANICAL CONNECTOR (LUG), SIZED TO ACCEPT AWG. #10 TO #4 COPPER STRANDED WIRE SHALL BE FURNISHED AND INSTALLED IN THE PEDESTAL AND TRANSFORMER BASES.

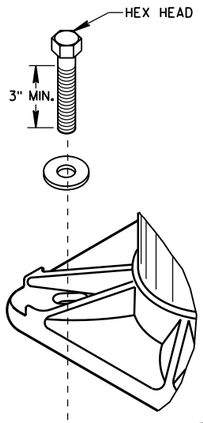
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

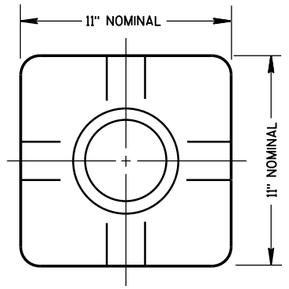
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH NATIONAL PIPE THREADING DIMENSIONS.

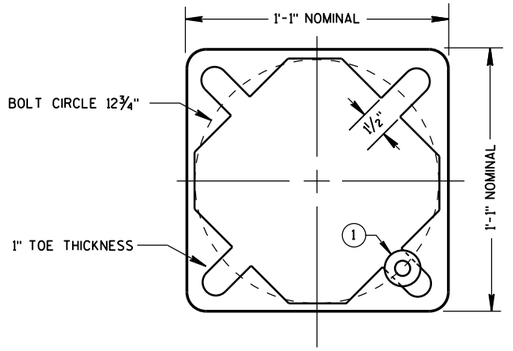
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

THE ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.

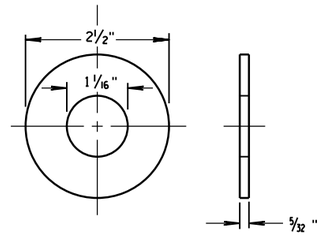




TOP VIEW
(PEDESTAL BASE)

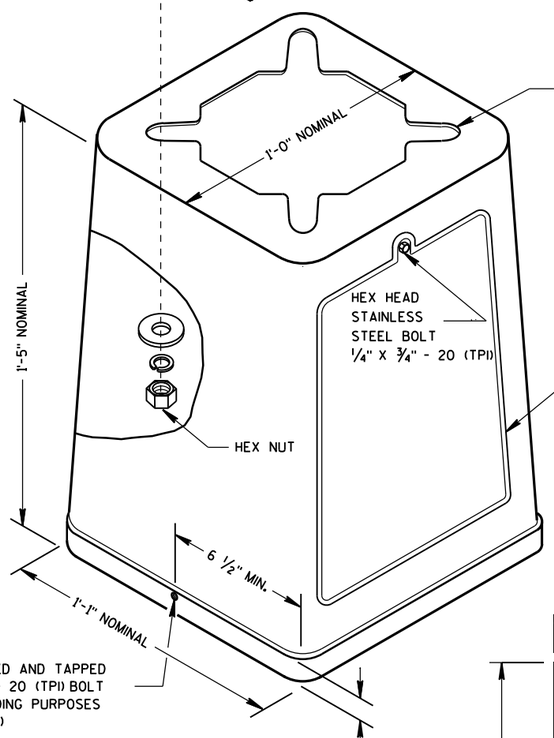


BOTTOM VIEW
(PEDESTAL BASE)

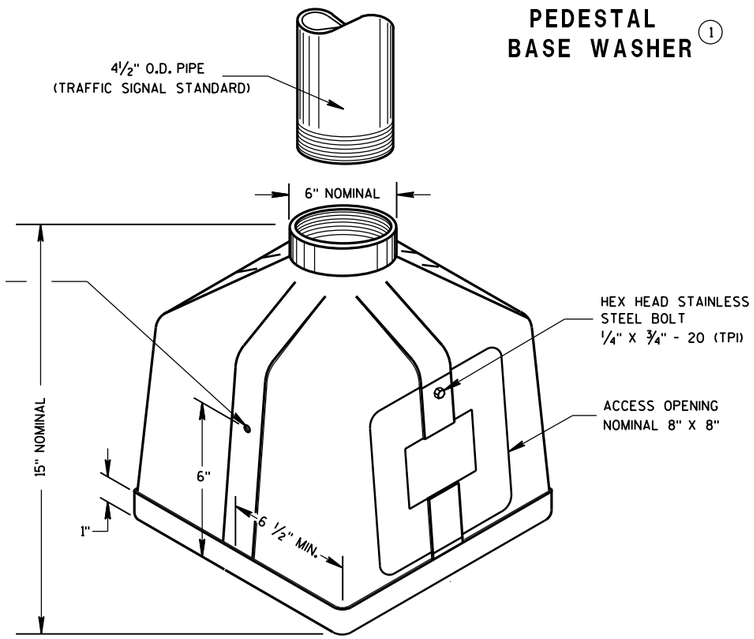


ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

PEDESTAL BASE WASHER (1)

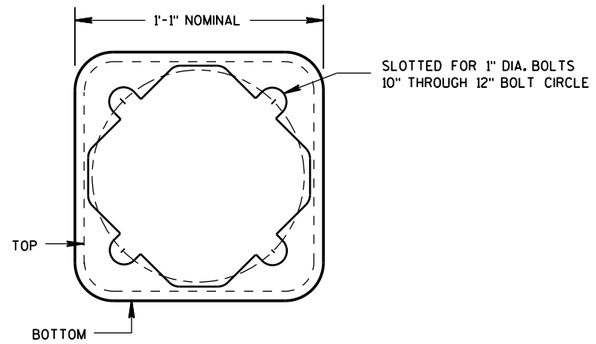


ISOMETRIC VIEW

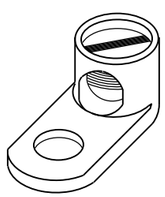


ISOMETRIC VIEW

PEDESTAL BASE



BOTTOM VIEW
(TRANSFORMER BASE)

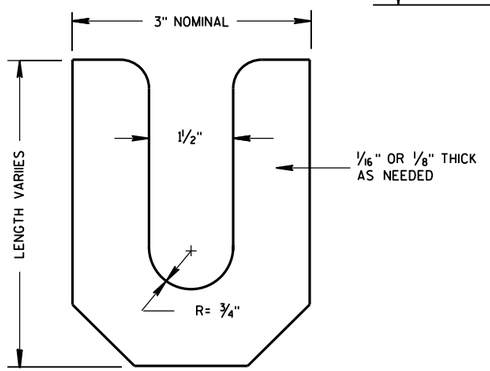


TYPICAL MECHANICAL CONNECTOR LUG

TO BE FURNISHED WITH EACH BASE

TRANSFORMER BASE

INTENDED FOR USE WITH TYPE 2, 3, 4, 5 & 6 POLES



LEVELING SHIM

TRANSFORMER/PEDESTAL BASES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
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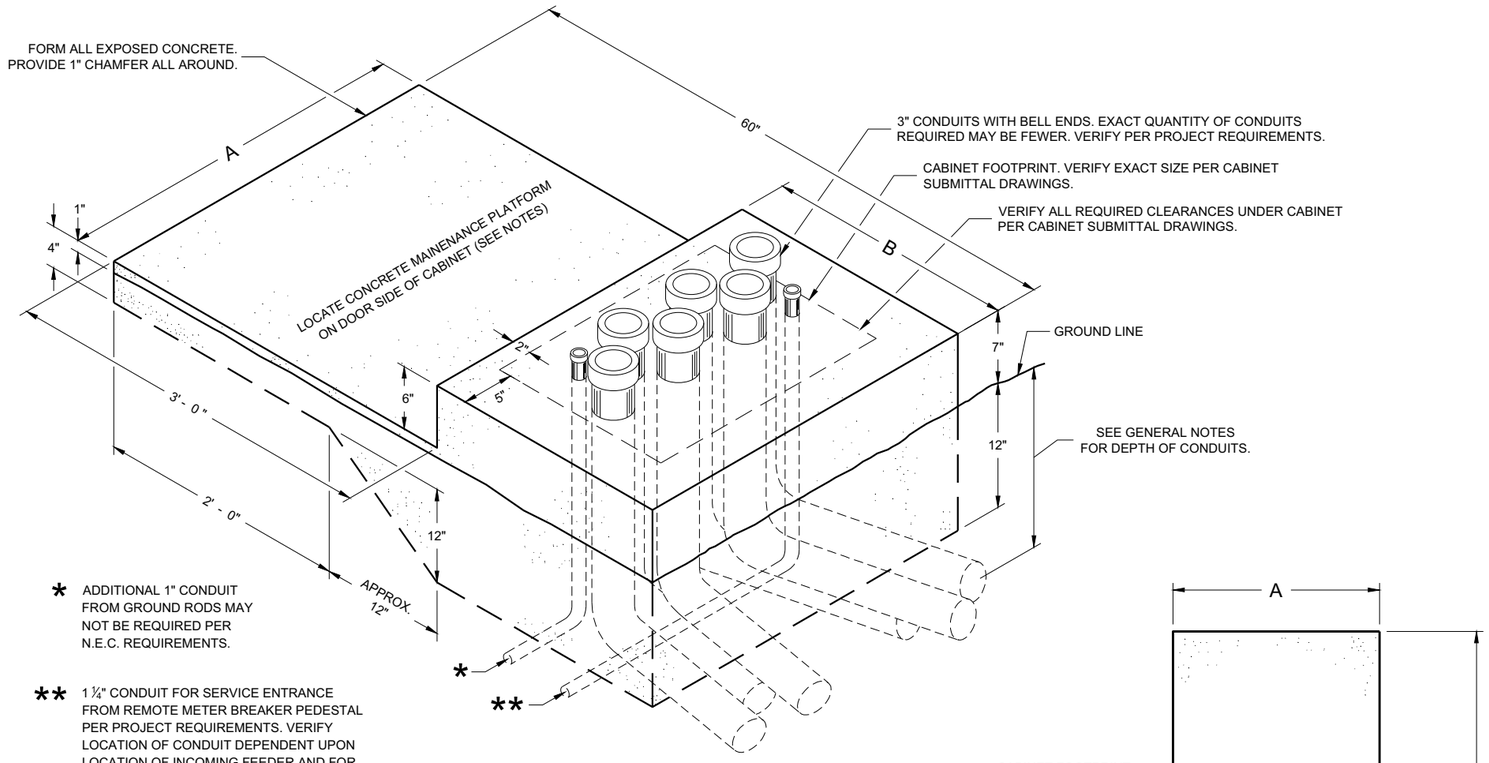


* ADDITIONAL 1" CONDUIT FROM GROUND RODS MAY NOT BE REQUIRED PER N.E.C. REQUIREMENTS.

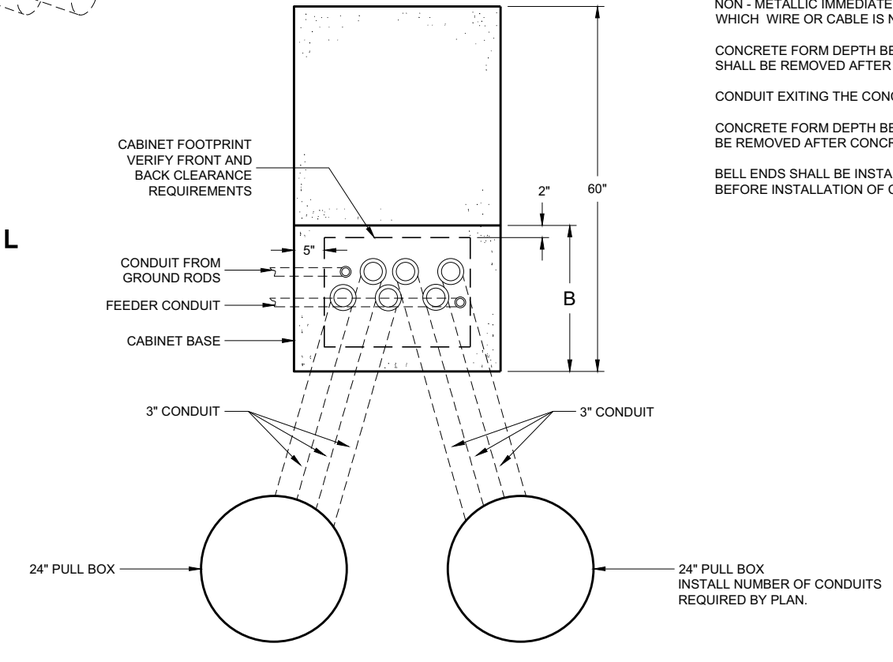
** 1 ¼" CONDUIT FOR SERVICE ENTRANCE FROM REMOTE METER BREAKER PEDESTAL PER PROJECT REQUIREMENTS. VERIFY LOCATION OF CONDUIT DEPENDENT UPON LOCATION OF INCOMING FEEDER AND FOR EASE OF CONNECTION TO LOAD CENTER.

ISOMETRIC VIEW

CONCRETE CONTROL CABINET BASE, TYPE L

(C.Y. CONCRETE = APPROX. 0.4)

CONCRETE BASE TYPE	CABINET WIDTH	DIMENSIONS		MAXIMUM 3" CONDUITS
		A	B	
L24	24"	34"	24"	4
L30	30"	40"	24"	6



PLAN VIEW

CONCRETE CONTROL CABINET BASE, TYPE L

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

INSTALL FOUR STAINLESS STEEL APPROVED CONCRETE MASONRY ANCHORS TO ANCHOR THE CABINET BASES. THE ANCHORS SHALL BE LOCATED AS DIRECTED BY THE ENGINEER TO PROPERLY ANCHOR THE CONTROL CABINET TO THE BASE.

WHEN REQUIRED TO CONNECT NON - METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U. L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 1 INCH.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

LOCATIONS SHALL BE AS SHOWN ON THE PLANS UNLESS DETERMINED BY THE ENGINEER IN THE FIELD.

CONTROL CABINET BASE TOP SURFACE SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

MAINTENANCE PLATFORM SHALL BE FLOAT OR BROOM FINISHED AND LEVEL.

MAINTENANCE PLATFORMS ARE NOT REQUIRED WHEN THE SURROUNDING AREA IS PAVED.

MINIMUM BENDING RADIUS OF CONDUIT EQUALS 6 TIMES THE DIAMETER.

ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

CAP ALL BELOW GRADE METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

PLUG ALL BELOW GRADE NON - METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON - METALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6 INCHES MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

CONDUIT EXITING THE CONCRETE BASE SHALL TERMINATE IN PULL BOXES AS SHOWN ON THE PLANS.

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6 INCH MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF THE CONCRETE BASE BEFORE INSTALLATION OF CABLE OR WIRE.

CONCRETE CONTROL CABINET BASE, TYPE L

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 83

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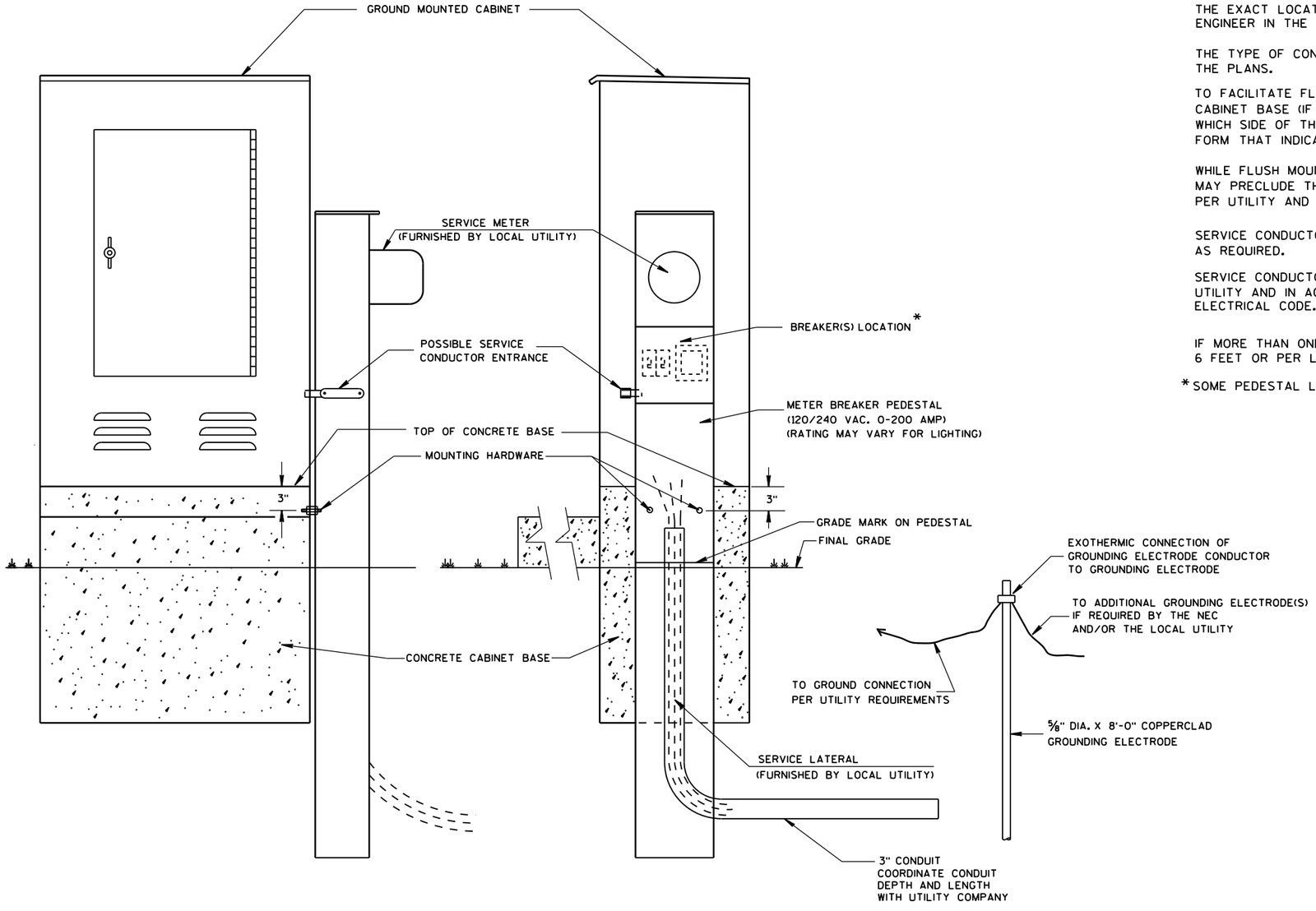

TYPICAL CABINET SERVICE INSTALLATION

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

THE EXACT LOCATION OF THE METER BREAKER PEDESTAL SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE TYPE OF CONCRETE CABINET BASE TO BE INSTALLED SHALL BE AS CALLED FOR IN THE PLANS.

TO FACILITATE FLUSH MOUNTING OF THE METER BREAKER PEDESTAL AGAINST THE SIDE OF THE CABINET BASE (IF FLUSH MOUNTING POSSIBLE. CONFER WITH THE LOCAL UTILITY TO DETERMINE WHICH SIDE OF THE CONCRETE BASE THE ELECTRICAL SERVICE LATERAL WILL APPROACH. THEN FORM THAT INDICATED SIDE FOR FULL SIDE DEPTH.

WHILE FLUSH MOUNTING IS THE MOST DESIRABLE MOUNTING CONFIGURATION UTILITY REQUIREMENTS MAY PRECLUDE THIS OPTION. CONTRACTOR MUST PROVIDE UTILITY APPROVED PEDESTAL AND INSTALL PER UTILITY AND MANUFACTURERS REQUIREMENTS.

SERVICE CONDUCTOR ENTRANCES SHALL BE RIGID METALLIC CONDUIT, NIPPLES AND/OR CONDULETS AS REQUIRED.

SERVICE CONDUCTOR ENTRANCES SHALL BE SIZED AND LOCATED AS REQUIRED BY THE LOCAL UTILITY AND IN ACCORDANCE WITH APPROPRIATE ARTICLES OF THE LATEST ACCEPTED NATIONAL ELECTRICAL CODE.

IF MORE THAN ONE GROUNDING ELECTRODE IS REQUIRED, THE DISTANCE APART SHALL BE 6 FEET OR PER LOCAL UTILITY REGULATIONS.

* SOME PEDESTAL LIGHTING PLANS SHOW MAIN LUGS ONLY.

CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
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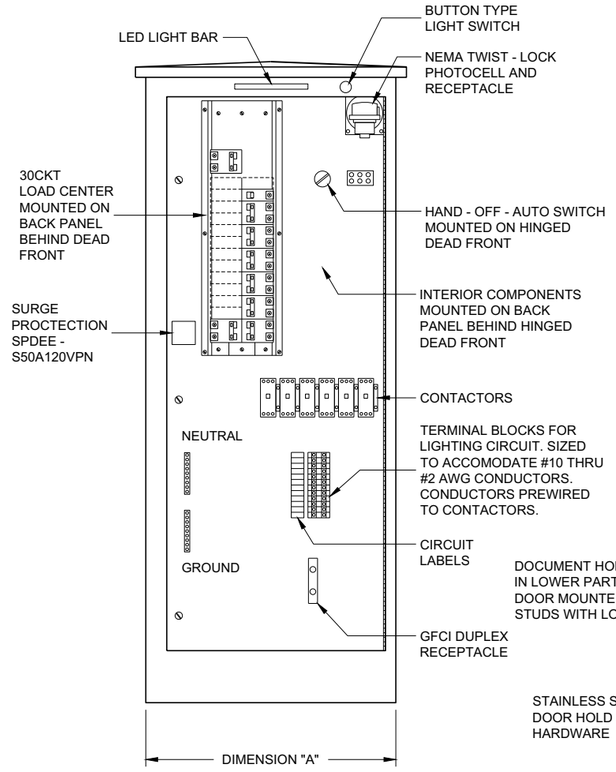
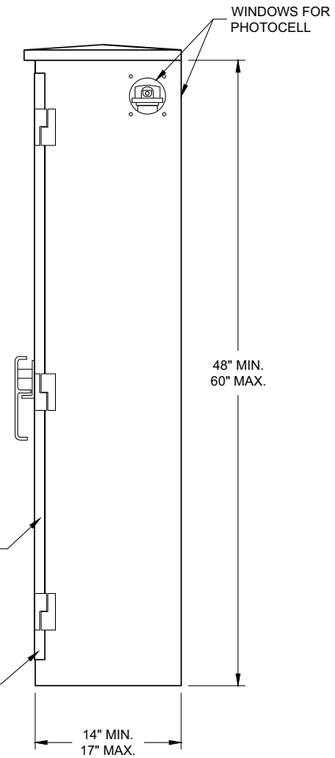
FRONT INTERIOR ELEVATION



SIDE VIEW



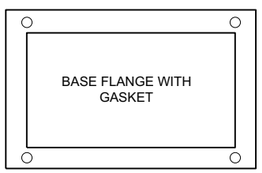
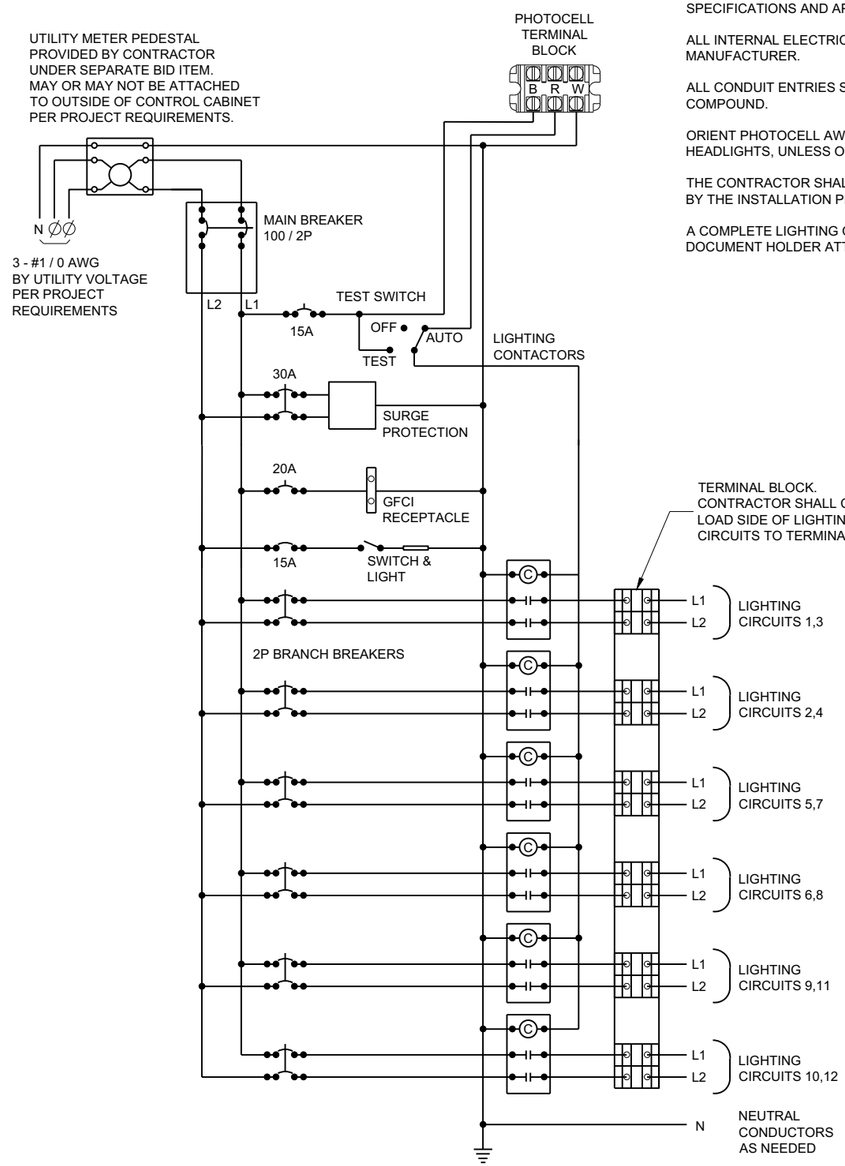


TABLE OF DIMENSIONS (INCHES)		
CONCRETE BASE TYPE	CABINET WIDTH	DIMENSION "A"
L24	24"	24"
L30	30"	30"

LIGHTING CONTROL CABINET



CONTROL CABINET SCHEMATIC

GENERAL NOTES

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

ALL INTERNAL ELECTRICAL COMPONENTS WILL BE PRE - WIRED BY THE CABINENT MANUFACTURER.

ALL CONDUIT ENTRIES SHALL BE SEALED WITH AN APPROPRIATE DUCT SEALING COMPOUND.

ORIENT PHOTOCELL AWAY FROM AMBIENT LIGHT SOURCES AND ONCOMING TRAFFIC HEADLIGHTS, UNLESS OTHERWISE CALLED FOR IN THE SPECIAL PROVISION.

THE CONTRACTOR SHALL TOUCH UP ANY DAMAGE TO THE ANODIZED FINISH CAUSED BY THE INSTALLATION PROCESS. COLOR MATCH PAINT SHALL BE USED.

A COMPLETE LIGHTING OR ELECTRICAL PLAN SHALL BE SECURELY PLACED IN THE DOCUMENT HOLDER ATTACHED TO THE DOOR.

LIGHTING CONTROL CABINET
120 / 240 VOLT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Ahmet Demirbilek
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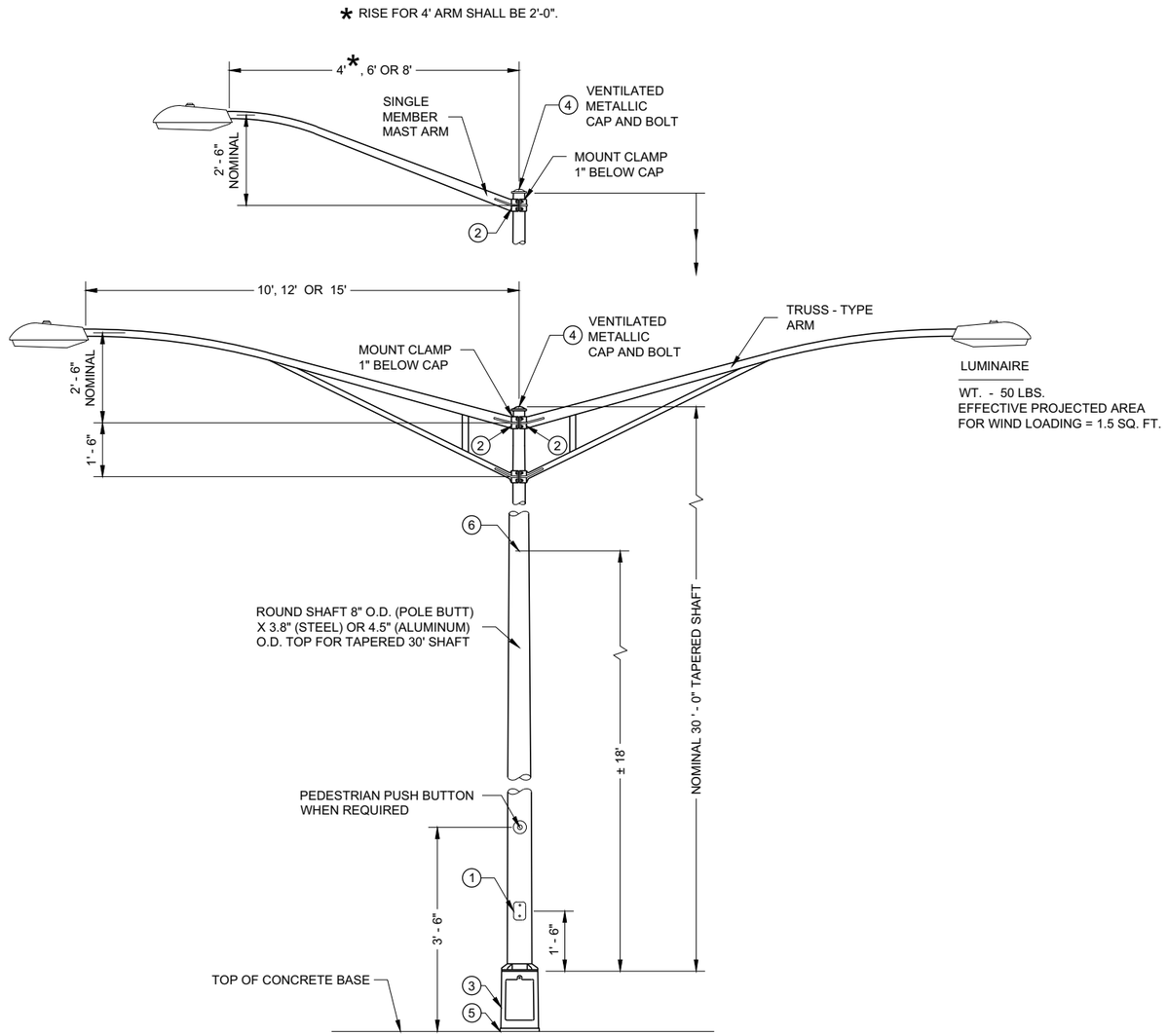


TYPE 5 POLE MOUNTING CONFIGURATION

(MAXIMUM LOAD)

LIGHTING ONLY

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

SECTION 657, POLES, OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

ALL TYPE 5 POLE MOUNTINGS SHALL BE DESIGNED TO INCLUDE TWIN 15' ARMS WITH LUMINAIRES.

POLES SHALL BE GALVANIZED STEEL OR ALUMINUM, AS CALLED FOR IN THE CONTRACT.

TYPE 5 ALUMINUM POLES SHALL BE CONSTRUCTED OF 6063 - T6 ALUMINUM ALLOY. SLEEVING INSIDE THE POLE IS NOT ACCEPTABLE.

TYPE 5 ALUMINUM POLES SHALL HAVE A MINIMUM WALL THICKNESS OF 0.1888".

TYPE 5 STEEL POLES SHALL HAVE A MINIMUM WALL THICKNESS OF U.S. STANDARD 11 GAGE (0.1196").

THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 2 ⅜ INCHES IN OUTSIDE DIAMETER. THE STRAIGHT PORTION OF THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 12 INCHES IN LENGTH.

WHEN TRANSFORMER BASES ARE USED, WIRE CONNECTIONS SHALL BE MADE IN THE TRANSFORMER BASE.

(1) 4" X 6" REINFORCED HANDHOLE AND COVER ASSEMBLY WITH TWO (2) ¼" X ¾" - 20 TPI , STAINLESS STEEL, HEX HEAD BOLTS.

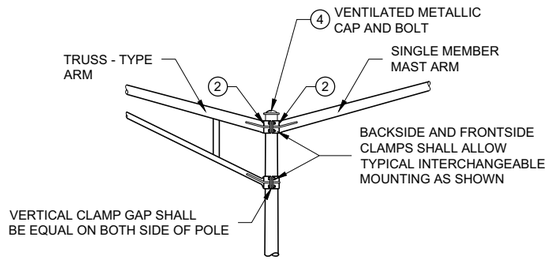
(2) GROMMETS. 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1 ⅜" HOLE IN POLE SHAFT FOR WIRING.

(3) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED.

(4) FURNISH AND INSTALL VENTILATED, CAST METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

(5) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND POLE.

(6) INTERNAL DUMBBELL - TYPE VIBRATION DAMPER.



INTERCHANGEABLE MOUNTING DETAIL

POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 5 (30 FEET)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 09E01 - 15d

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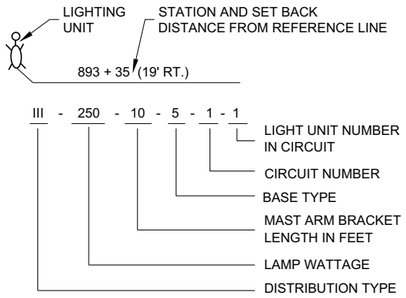
SDD 09E01 - 15d

GENERAL NOTES

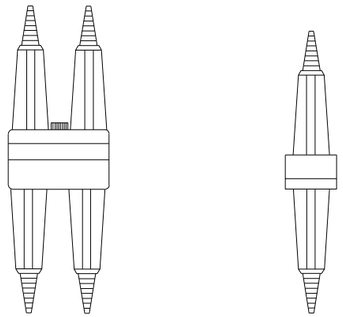
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

THE EQUIPMENT GROUND CONNECTOR SHALL BE TAPED WITH 3 WRAPS (MINIMUM) OF APPROVED RUBBER TAPE AND 3 WRAPS (MINIMUM) OF APPROVED VINYL TAPE TO COVER SHARP WIRE ENDS AFTER THE CONNECTION IS COMPLETED.

WHEN TRANSFORMER BASES ARE USED, ALL WIRING CONNECTIONS SHALL OCCUR WITHIN THE TRANSFORMER BASES.

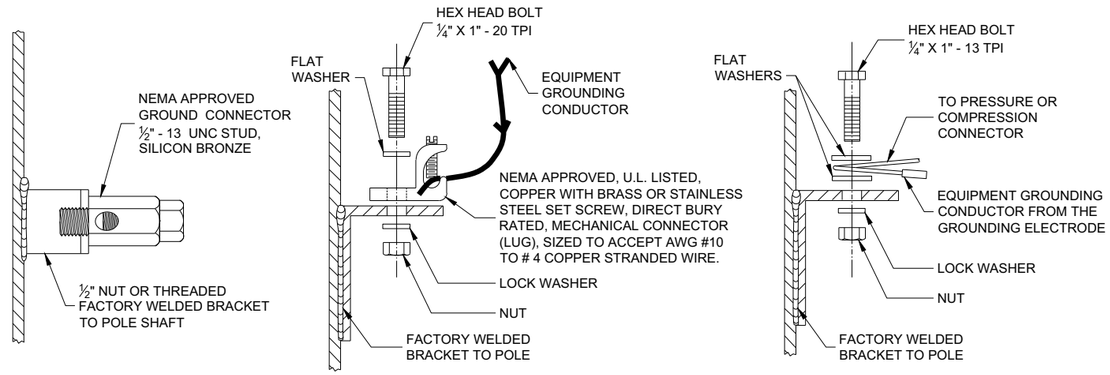


LIGHTING UNIT CODE
(TYPICAL)

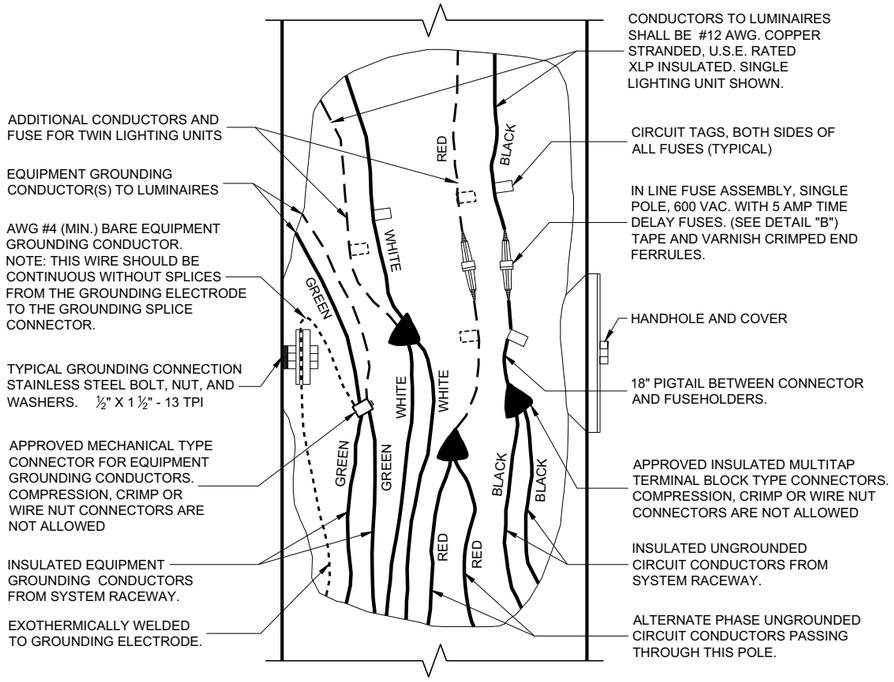


DETAIL "A"
BREAKAWAY DOUBLE POLE WITH WATERPROOF INSULATING BOOT

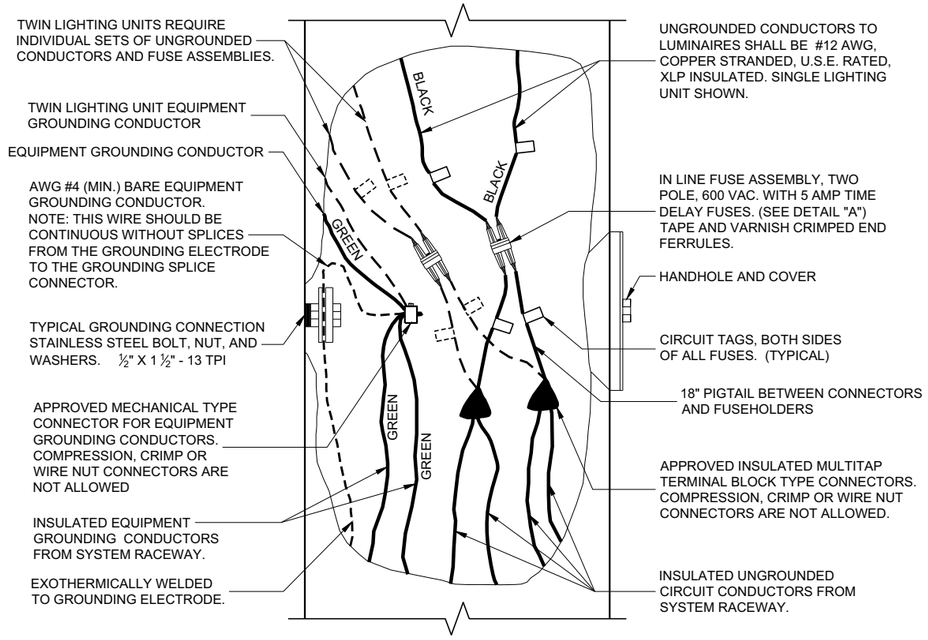
DETAIL "B"
BREAKAWAY SINGLE POLE WITH WATERPROOF INSULATING BOOT



TYPICAL GROUNDING CONNECTIONS
NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL



3 WIRE - 120, 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH GROUNDING CONDUCTOR AND EQUIPMENT GROUNDING CONDUCTOR



2 WIRE - 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH EQUIPMENT GROUNDING CONDUCTOR

NON - FREEWAY LIGHTING UNIT POLE WIRING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI

FHWA

6
SDD 09E03 - 06

GENERAL NOTES

DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN IN THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

USE THIS DETAIL IN CONJUNCTION WITH THE DETAIL FOR ELECTRICAL HANDHOLE WIRING, SDD10A01.

USE TIME DELAY FUSE PER LUMINAIRE MANUFACTURER RECOMMENDATION.

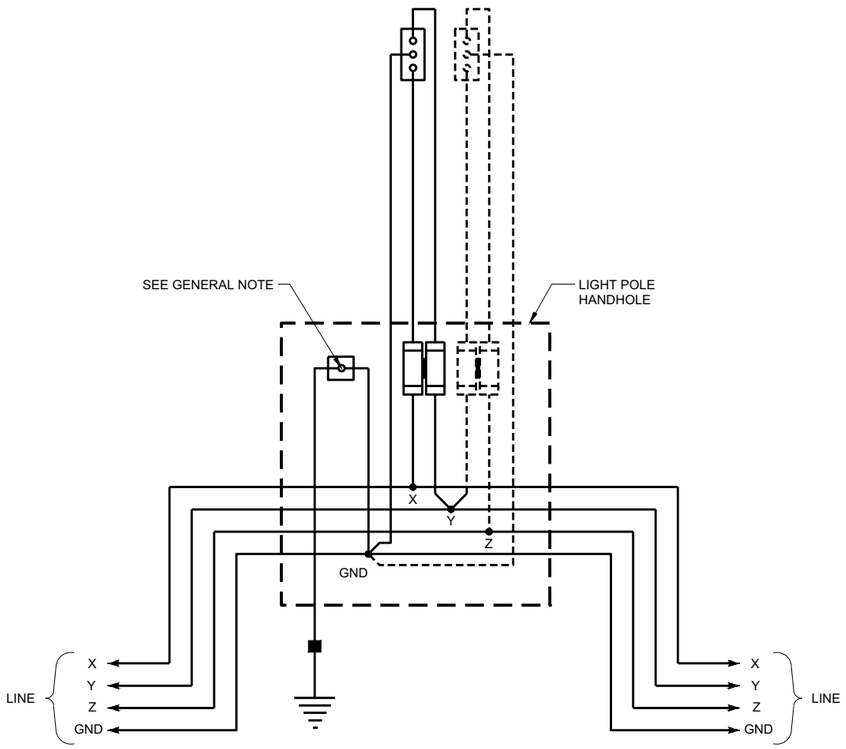
THE GROUNDING ELECTRODE CONDUCTOR SHALL BE CONTINUOUS WITHOUT SPLICES FROM THE GROUNDING ELECTRODE THROUGH THE HANDHOLD GROUNDING LUG TO THE CONNECTOR.

WIRING FOR SINGLE LUMINAIRE POLES IS SHOWN WITH SOLID LINES. WIRING FOR THE SECOND LUMINAIRE OF TWIN LUMINAIRE POLES IS SHOWN WITH DOTTED LINES.

THE PLANS WILL SHOW WHICH CIRCUIT LEG(S) ARE CONNECTED TO EACH INSTALLATION.

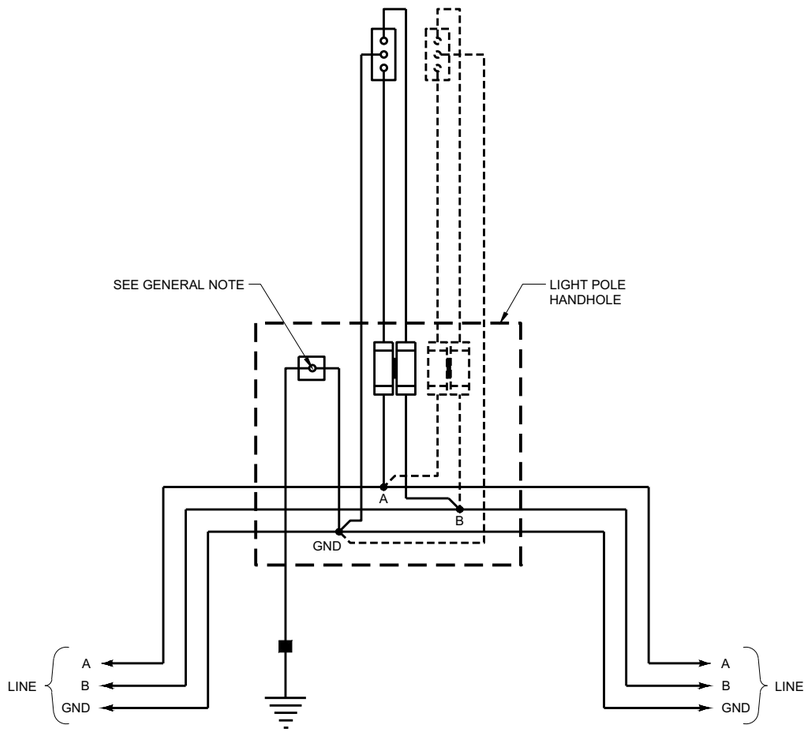
LEGEND

A,B,X,Y,Z	UNGROUNDED CIRCUIT CONDUCTORS
N	GROUNDED CIRCUIT CONDUCTORS
GND	EQUIPMENT GROUNDING CONDUCTOR
P	POLE (ELECTRICAL CIRCUIT)
ϕ	PHASE (ELECTRICAL CURRENT)
	HANDHOLE GROUND LUG
	SINGLE-POLE (1P) FUSE ASSEMBLY
	TWO-POLE (2P) FUSE ASSEMBLY
	UNFUSED LUMINAIRE
	EQUIPMENT GROUNDING ELECTRODE
	TERMINAL
	SPLICE
	CONDUCTOR
	EXOTHERMIC WELD



TYPICAL WIRING DIAGRAM

PHASE - TO - PHASE DELTA SYSTEM
3 - ϕ 480VAC 3 WIRE



TYPICAL WIRING DIAGRAM

UNGROUNDED SYSTEM
1 - ϕ 120 - 120VAC 2 WIRE

ELECTRICAL DETAILS
GROUND MOUNT LIGHT POLES
PHASE - TO - PHASE SYSTEMS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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November 2018
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI

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SDD 10A07 - 03

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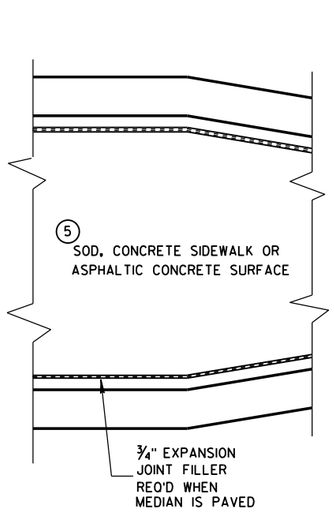
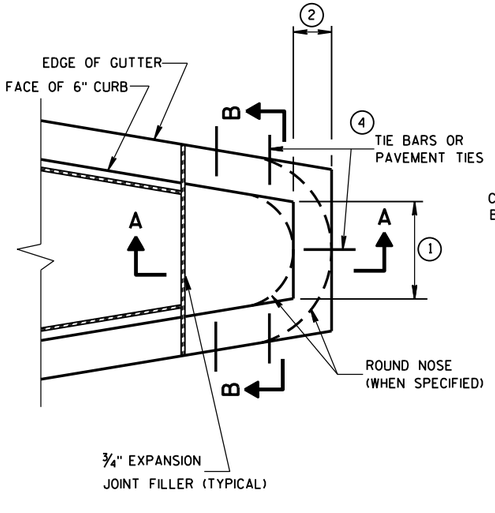
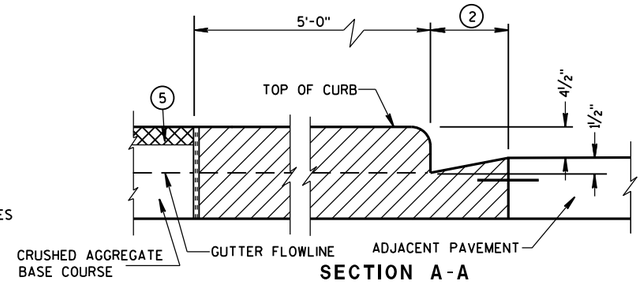
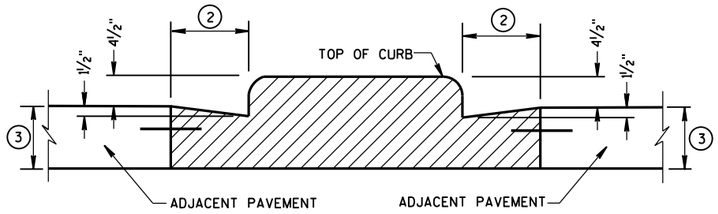
SDD 10A07 - 03







SECTION A-A



SECTION B-B

CONCRETE MEDIAN BLUNT NOSE DETAIL

GENERAL NOTES

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

(1) SEE PLAN FOR MEDIAN NOSE WIDTH AND RADIUS (FOR ROUND NOSE ALTERNATE).

(2) WIDTH OF GUTTER TO MATCH EXISTING ADJACENT GUTTER OR AS SPECIFIED ELSEWHERE IN THE PLAN.

(3) DEPTH EQUAL TO ADJACENT PAVEMENT. ADJACENT PAVEMENT STRUCTURE DETAILS ARE SHOWN ON THE PLAN. TYPICAL OPTIONS ARE:

(1) NEW OR EXISTING CONCRETE PAVEMENT.

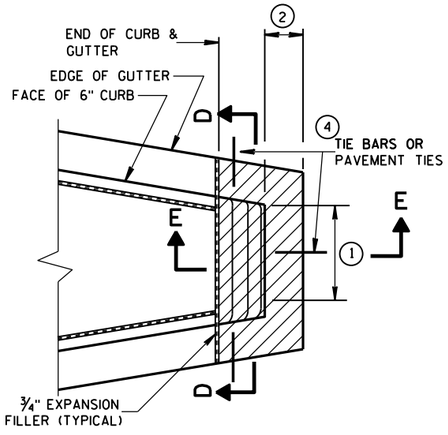
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

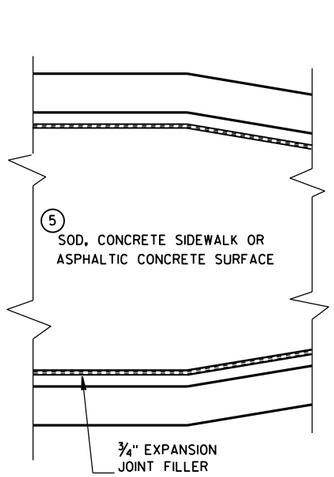
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

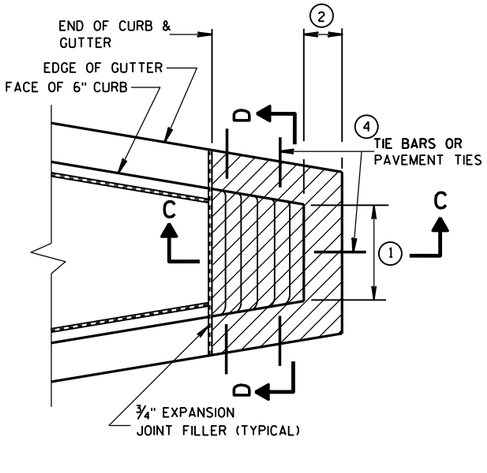
(4) TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C.

PAVEMENT TIES REQUIRED IN EXISTING CONCRETE BASE COURSE. PAVEMENT TIES SHALL BE NO. 6 X 1'-0" SPACED AT 3'-0" C-C INSTALLED ON A HORIZONTAL SKEW OF 6:1. THE DIRECTION OF SKEW SHALL ALTERNATE AFTER EVERY ONE OR TWO BARS.

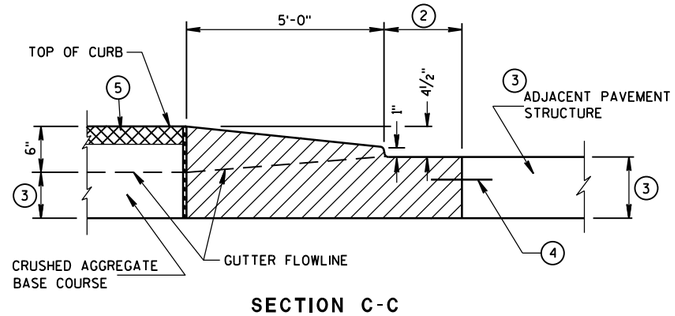
(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.



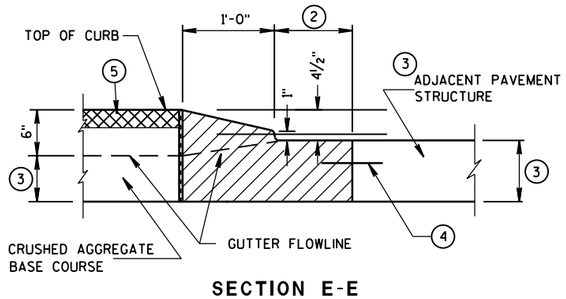




CONCRETE MEDIAN SLOPED NOSE TYPE 1

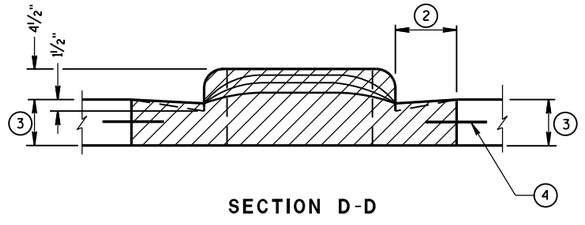


SECTION C-C



SECTION E-E

CONCRETE MEDIAN SLOPED NOSE TYPE 2



SECTION D-D

CONCRETE MEDIAN NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/8/2006
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

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S.D.D. 11 B 2-2

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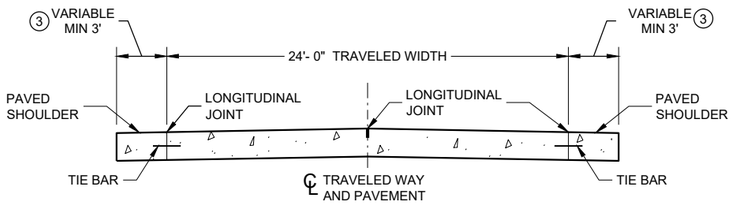
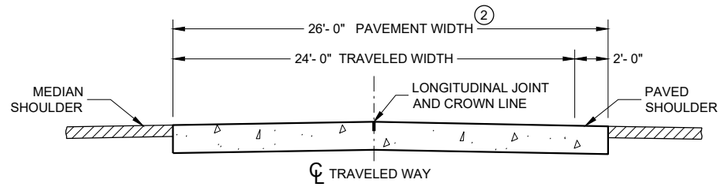
S.D.D. 11 B 2-2

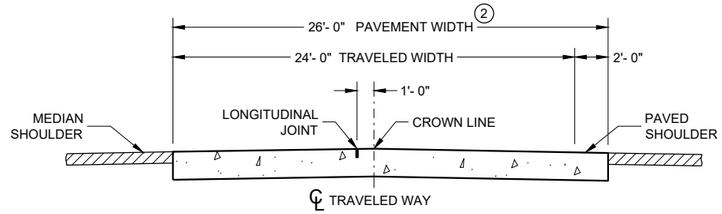


SECTION A - A

TWO-LANE TWO-WAY HIGHWAY (1)



SECTION B - B



ALTERNATIVE SECTION B - B

DIVIDED HIGHWAY (1)

GENERAL NOTES

CONTRACTION JOINTS

CONSTRUCT TRANSVERSE CONTRACTION JOINTS NORMAL TO THE CENTERLINE. SHOW THE LOCATION OF CONTRACTION JOINTS THROUGH INTERSECTIONS ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

FOR PAVEMENT SLABS OF VARYING WIDTHS, LOCATE THE OUTER MOST DOWEL BAR SO THAT THE CENTER OF THE BAR IS A MINIMUM OF 6 INCHES FROM AND A MAXIMUM OF 18 INCHES FROM THE FREE EDGE OF PAVEMENT.

CONSTRUCTION JOINTS

LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO THE CONTRACTION JOINTS.

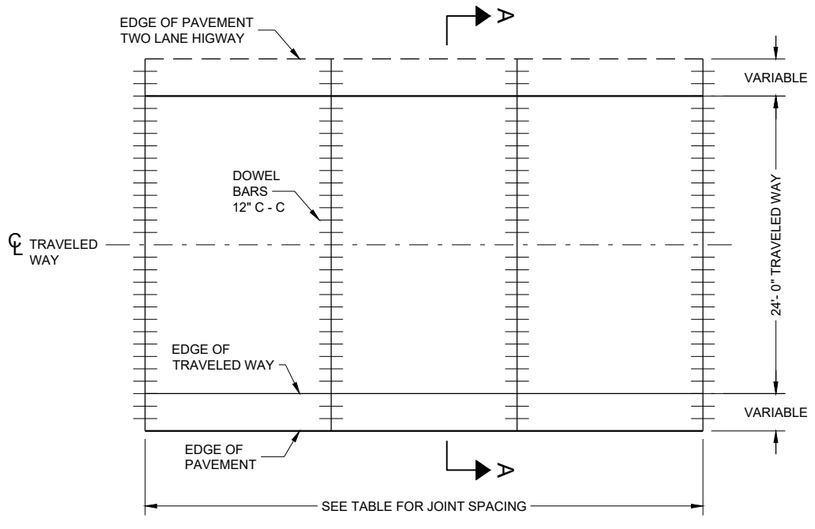
(1) REFER TO TYPICAL CROSS SECTIONS FOR ADDITIONAL DETAILS.

(2) MEASURE THE ENTIRE PAVED WIDTH INCLUDING THE PORTION(S) LABELED "PAVED SHOULDER" AS CONCRETE PAVEMENT.

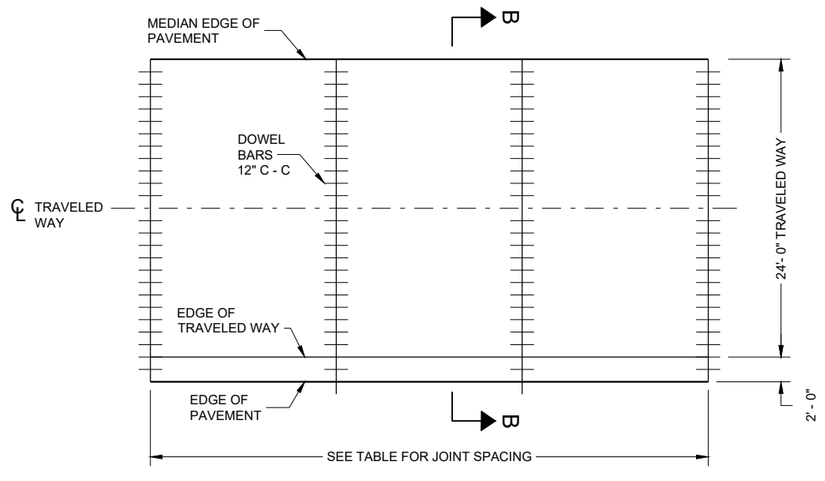
(3) SHOULDER WIDTHS LESS THAN 3 FEET SHALL BE PAVED INTEGRAL TO THE MAINLINE CONCRETE PAVEMENT, SEE SECTION B-B.

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
6", 6 ½"	NONE	12'
7", 7 ½"	1"	14'
8" & ABOVE	1 ¼"	15'



CONTRACTION JOINT LAYOUT FOR TWO-LANE TWO-WAY HIGHWAY



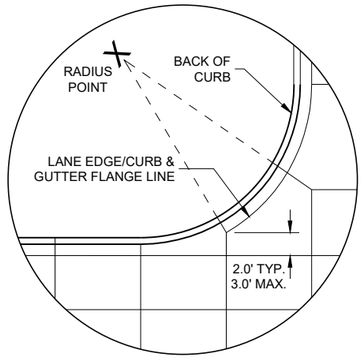
CONTRACTION JOINT LAYOUT FOR DIVIDED HIGHWAY

RURAL DOWELED CONCRETE PAVEMENT

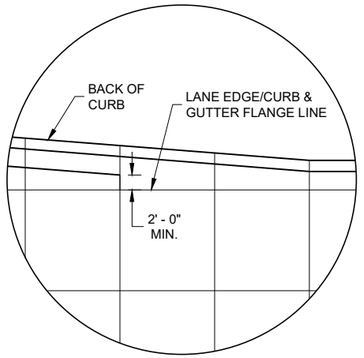
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 13C11 - 14a

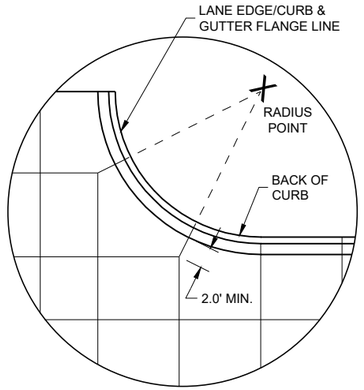
SDD13C11 - 14a



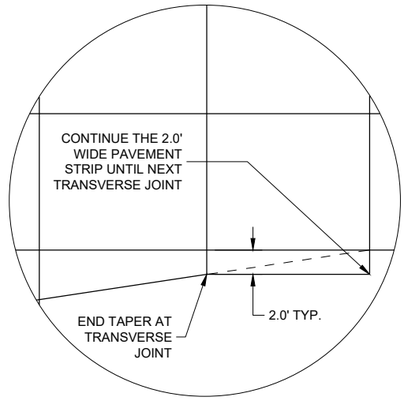
DETAIL "A"



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.

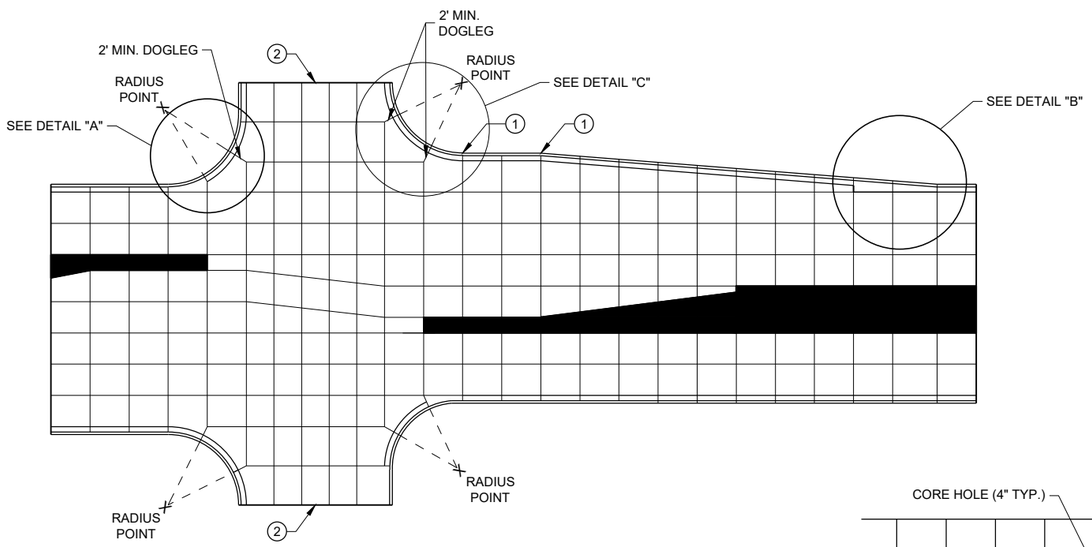
AVOID SLABS LESS THAN 2 FEET WIDE OR GREATER THAN 15 FEET WIDE.

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.

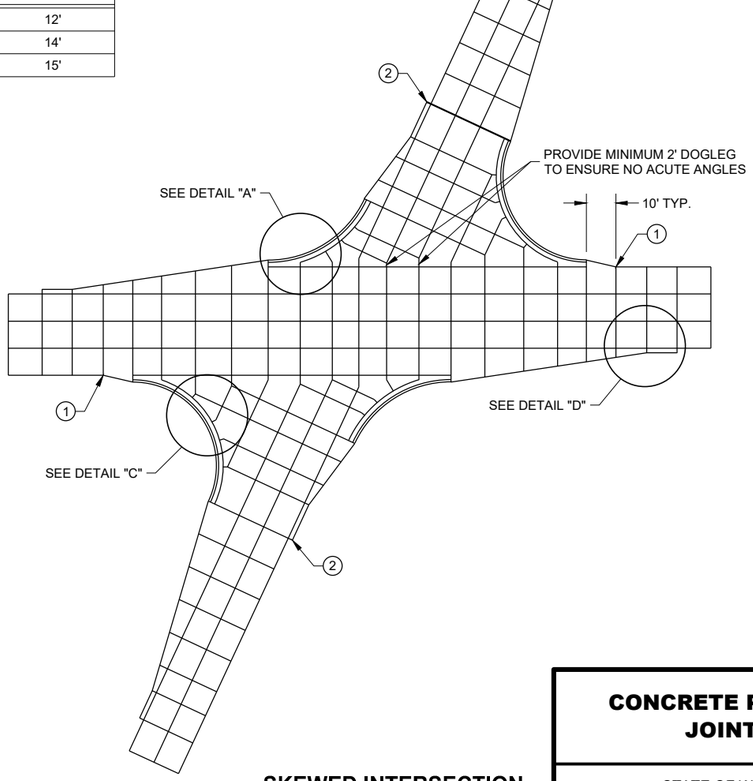
1. PROVIDE TRANSVERSE JOINTS AT ALL PAVEMENT WIDTH CHANGES.
2. CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITH EDGE OF RADIUS.
3. THE ENGINEER MAY APPROVE SLIGHT VARIATIONS FROM THESE JOINTING DETAILS.



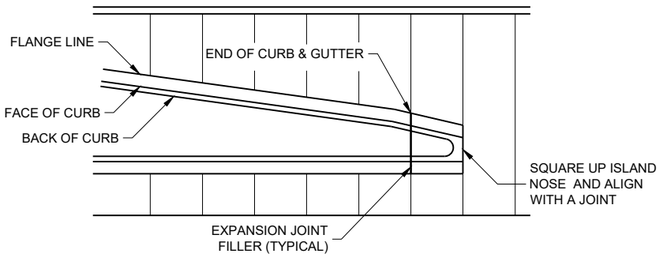
STANDARD INTERSECTION

PAVEMENT DEPTH AND JOINT SPACING TABLE

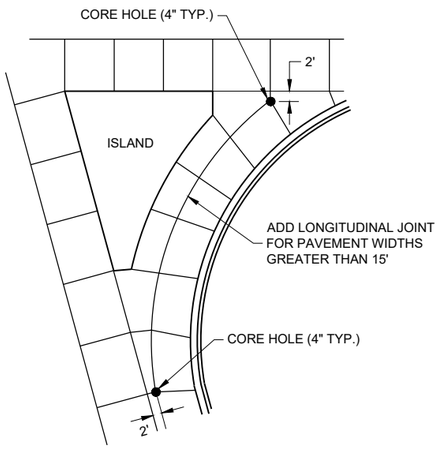
PAVEMENT DEPTH (D)	CONTRACTION JOINT SPACING
6", 6 ½"	12'
7", 7 ½"	14'
8" & ABOVE	15'



SKEWED INTERSECTION



APPROACH TO MEDIAN



LARGE RIGHT TURN

CONCRETE PAVEMENT JOINTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 13C18 - 08a

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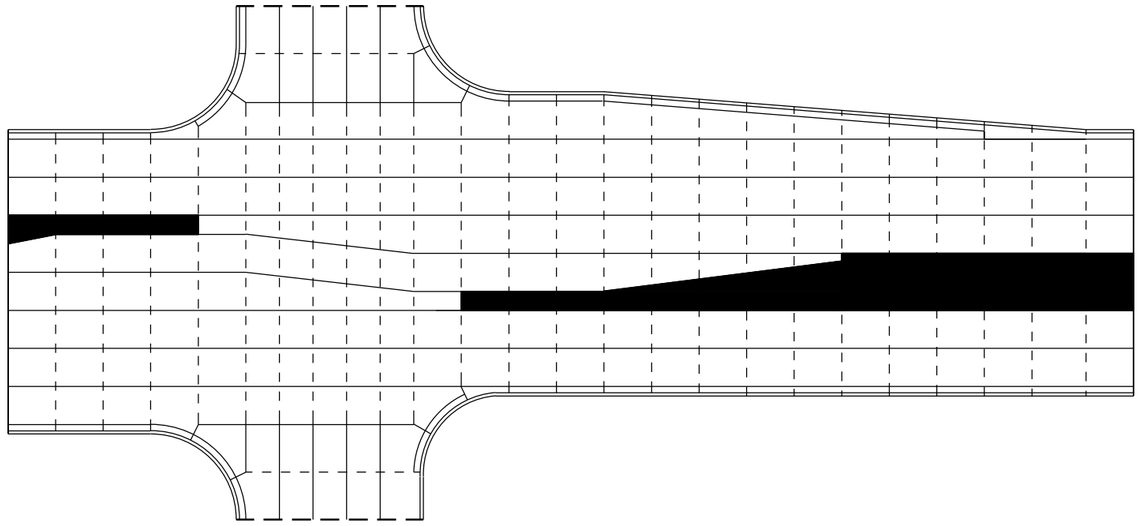
SDD 13C18 - 08a

LEGEND

POTENTIAL DOWELED EXPANSION JOINT

DOWELED JOINT

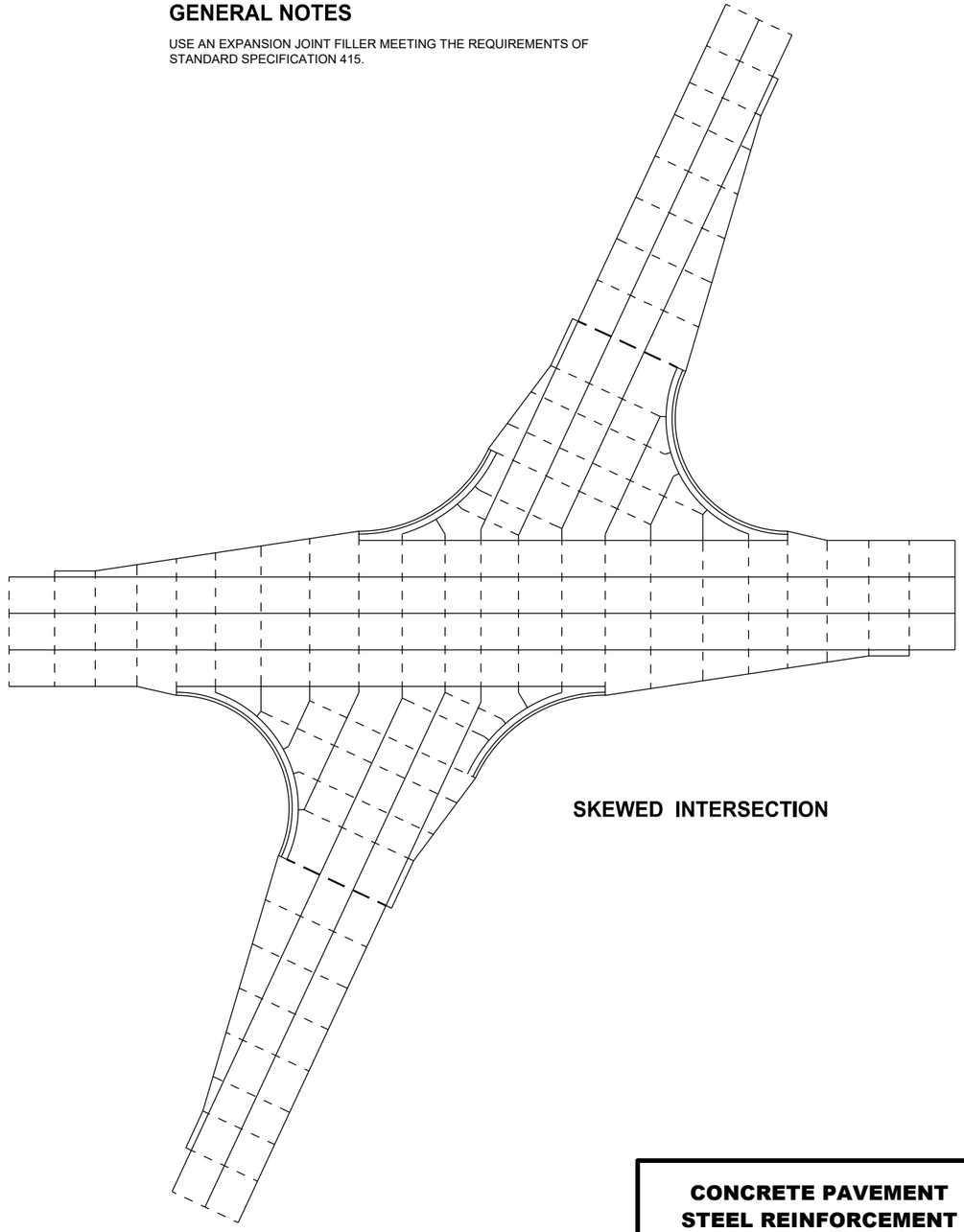
TIED JOINT



STANDARD INTERSECTION

GENERAL NOTES

USE AN EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 415.



SKEWED INTERSECTION

6

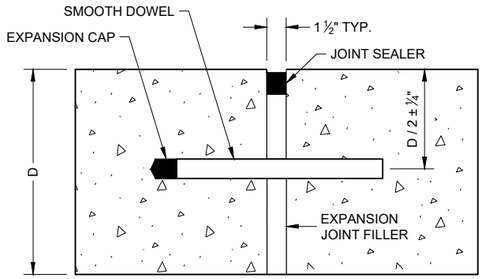
SDD 13C18 - 08b

CONCRETE PAVEMENT STEEL REINFORCEMENT

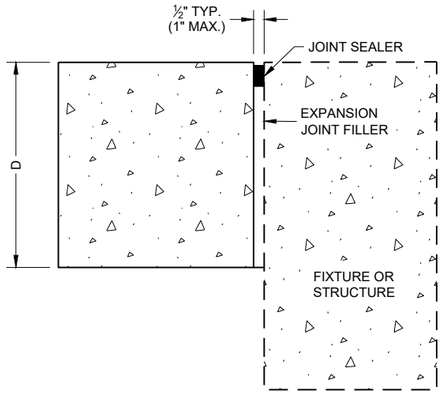
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 13C18 - 08b



DOWELED TRANSVERSE (1)



UNTIED - LONGITUDINAL

EXPANSION JOINTS

TIE BAR TABLE

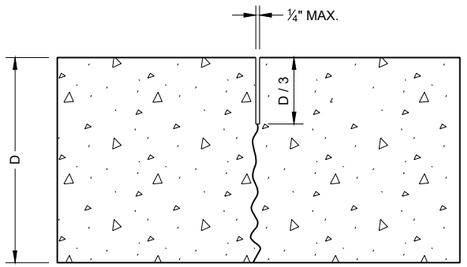
PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 ½"	NO. 4	30"	36"
≥ 10 ½"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

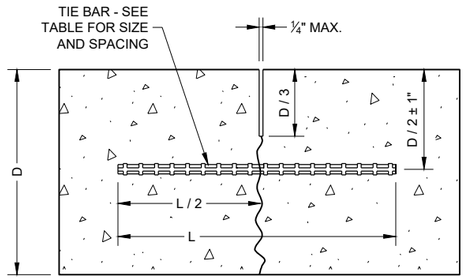
** CONFORM TO 15" MINIMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

GENERAL NOTES

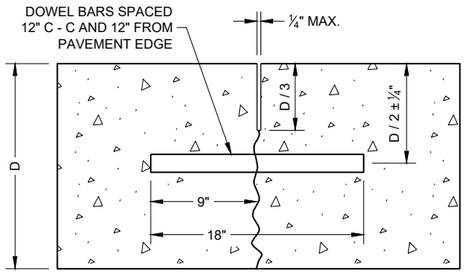
1. USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATETHE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
2. SPACE CONTRACTION JOINTS IN ACCORDANCE WITH SDD 13C4, 13C11 OR 13C13.
3. LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.
4. CONSTRUCTION JOINTS CAN BE FORMED OR SAWED.
5. IF JOINT IS FORMED, PROVIDE A ¼" RADIUS.
6. ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.



UNDOWELED TRANSVERSE

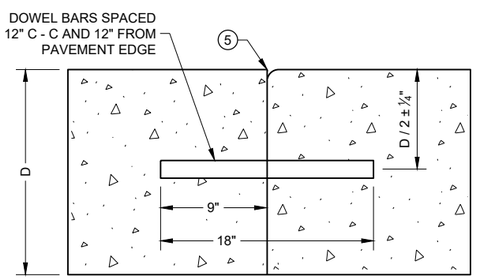


TIED LONGITUDINAL

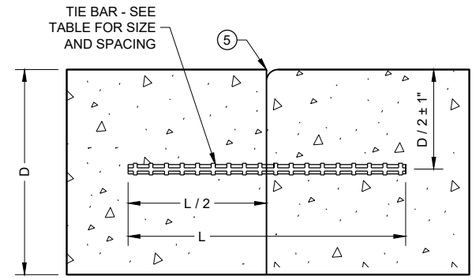


DOWELED TRANSVERSE

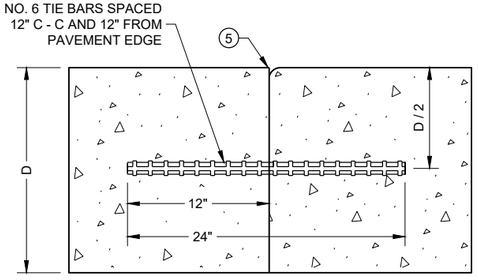
CONTRACTION JOINTS (2)



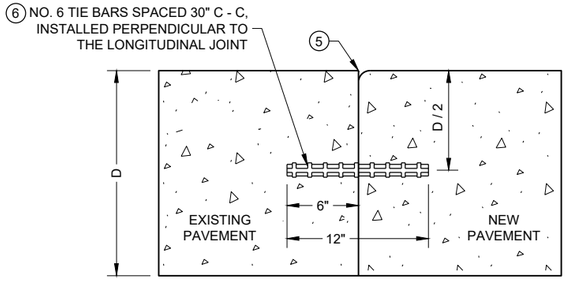
DOWELED TRANSVERSE (3)



TIED LONGITUDINAL



TIED TRANSVERSE (3)
(FOR USE ON NON-DOWELED PAVEMENTS ONLY)



TIED LONGITUDINAL TO EXISTING

CONSTRUCTION JOINTS (4)

CONCRETE PAVEMENT JOINT TYPES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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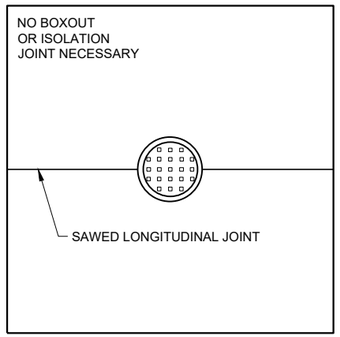
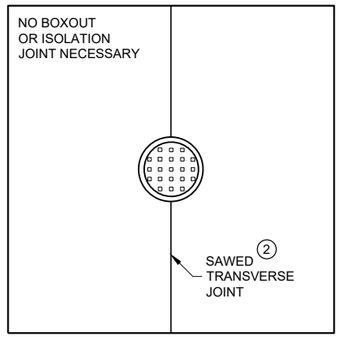
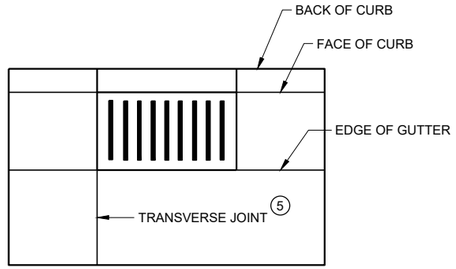


MANHOLE WITH LONGITUDINAL JOINT



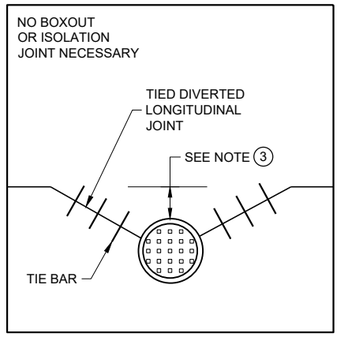
MANHOLE WITH TRANSVERSE JOINT



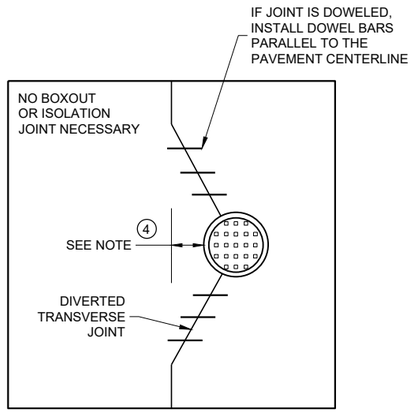
INLET WITH TRANSVERSE JOINT

GENERAL NOTES

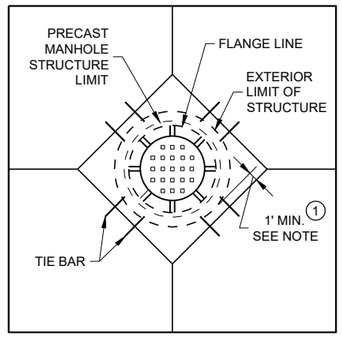
1. USE BOXOUTS WHEN UTILITY STRUCTURE IS IN THE PATH OF CONSTRUCTION JOINTS. PROVIDE A 1 FOOT MINIMUM CLEARANCE BETWEEN THE EXTERIOR LIMIT OF THE STRUCTURE TO THE DIAMOND BOXOUT.
2. ADJUST TRANSVERSE JOINT TO INTERSECT MANHOLE IF POSSIBLE.
3. IF DISTANCE BETWEEN THE LONGITUDINAL JOINT AND THE EDGE OF 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
May 2023
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUPERVIS

FHWA

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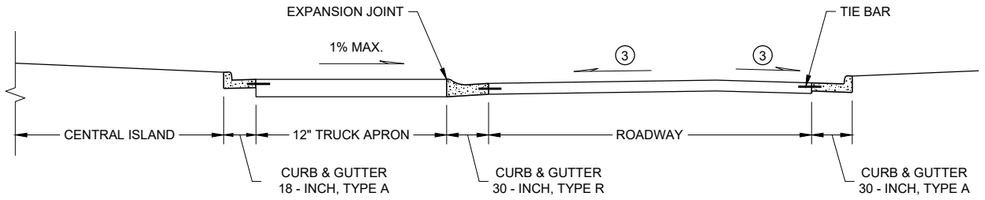
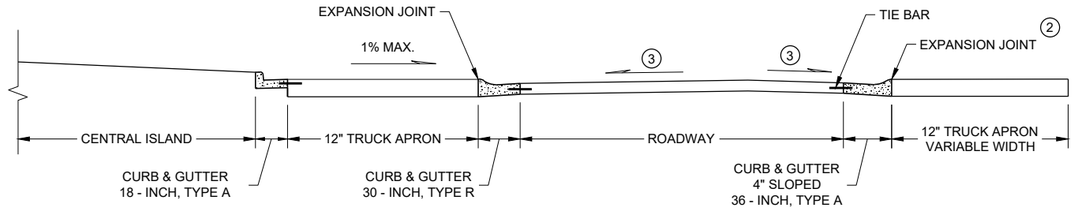
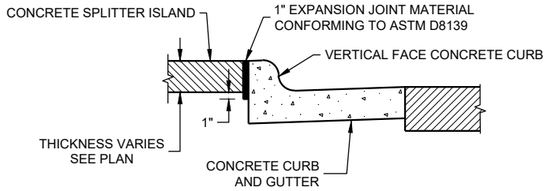
SDD13C18 - 08d



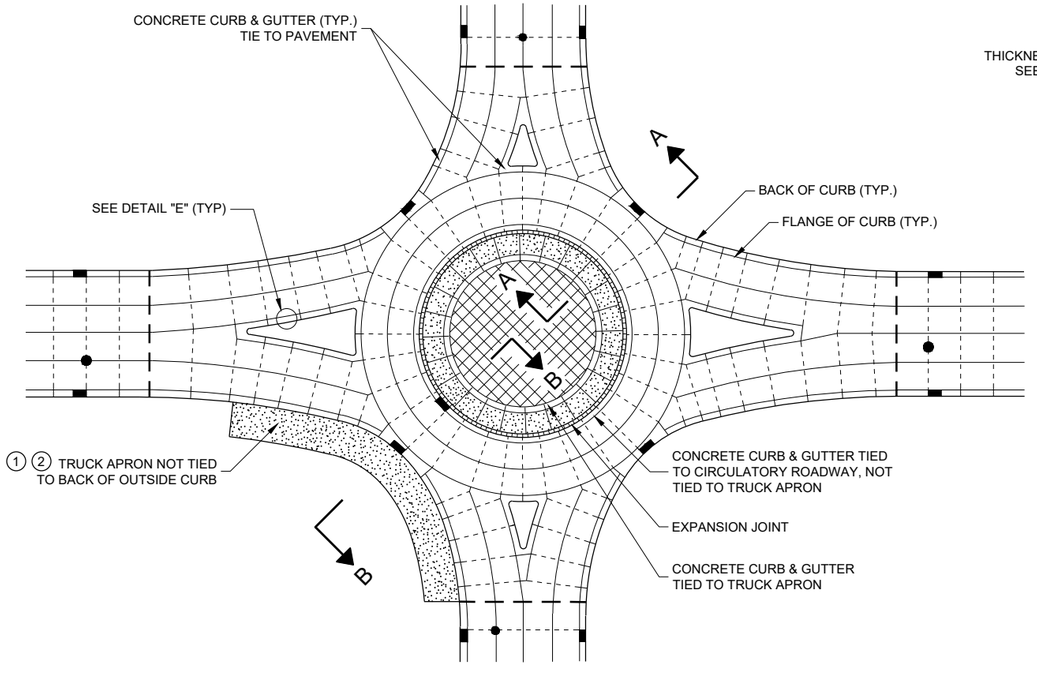
SECTION A - A



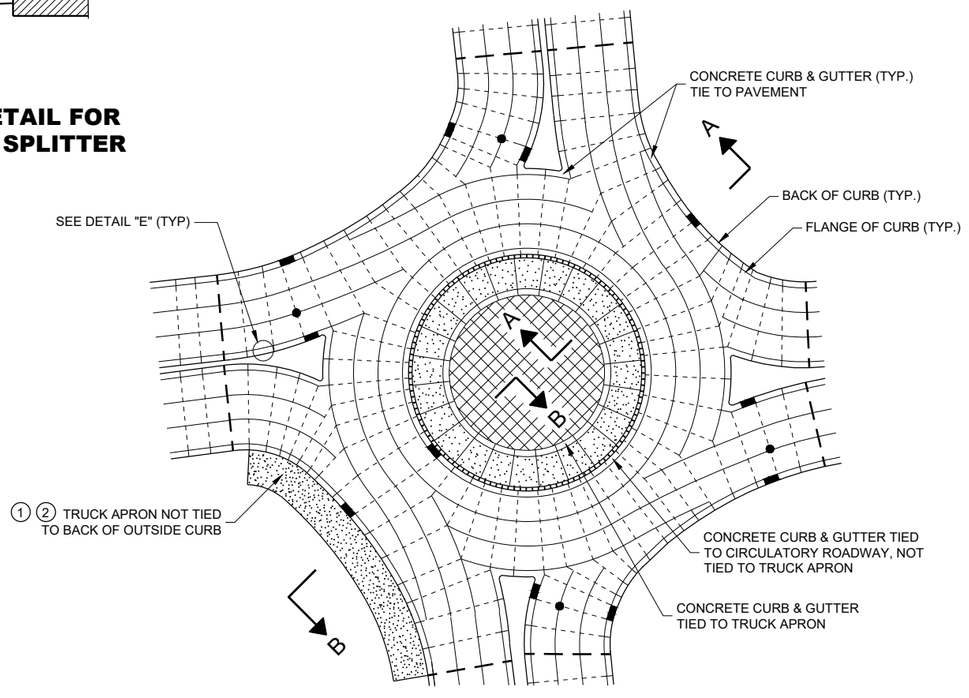
SECTION B - B



DETAIL 'E'
EXPANSION JOINT DETAIL FOR VERTICAL CURB AT A SPLITTER ISLAND



ISOLATED CIRCLE JOINT LAYOUT FOR ROUNDABOUTS



PINWHEEL JOINT LAYOUT FOR ROUNDABOUTS

GENERAL NOTES

MAXIMUM JOINT SPACING IS IN ACCORDANCE WITH THE TABLE SHOWN ON SDD 13C18 - SHEET "a"

USE EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 415.

DO NOT DOWEL OR TIE THE TRUCK APRON TRANSVERSE JOINTS.

(1) DESIGNER DETERMINES SIZE AND LOCATION(S) OF TRUCK APRON TO ACCOMMODATE TRACKING OF OVERSIZE / OVERWEIGHT VEHICLES.

(2) TIE THE OUTSIDE TRUCK APRON TO THE BACK SIDE OF CURB ONLY WHEN ENTIRE TRUCK APRON IS LESS THAN 3 FEET.

(3) CONFORM TO PLAN CONSTRUCTION DETAILS FOR CIRCULATORY ROADWAY CROSS SLOPE.

LEGEND

- DOWELED JOINT
- TIED JOINT
- EXPANSION JOINT
- POTENTIAL DOWELED EXPANSION JOINT
- TRUCK APRON
- CENTRAL ISLAND
- UTILITY STRUCTURES

CONCRETE PAVEMENT JOINTING AND STEEL REINFORCEMENT IN ROUNDABOUTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUPERVIS

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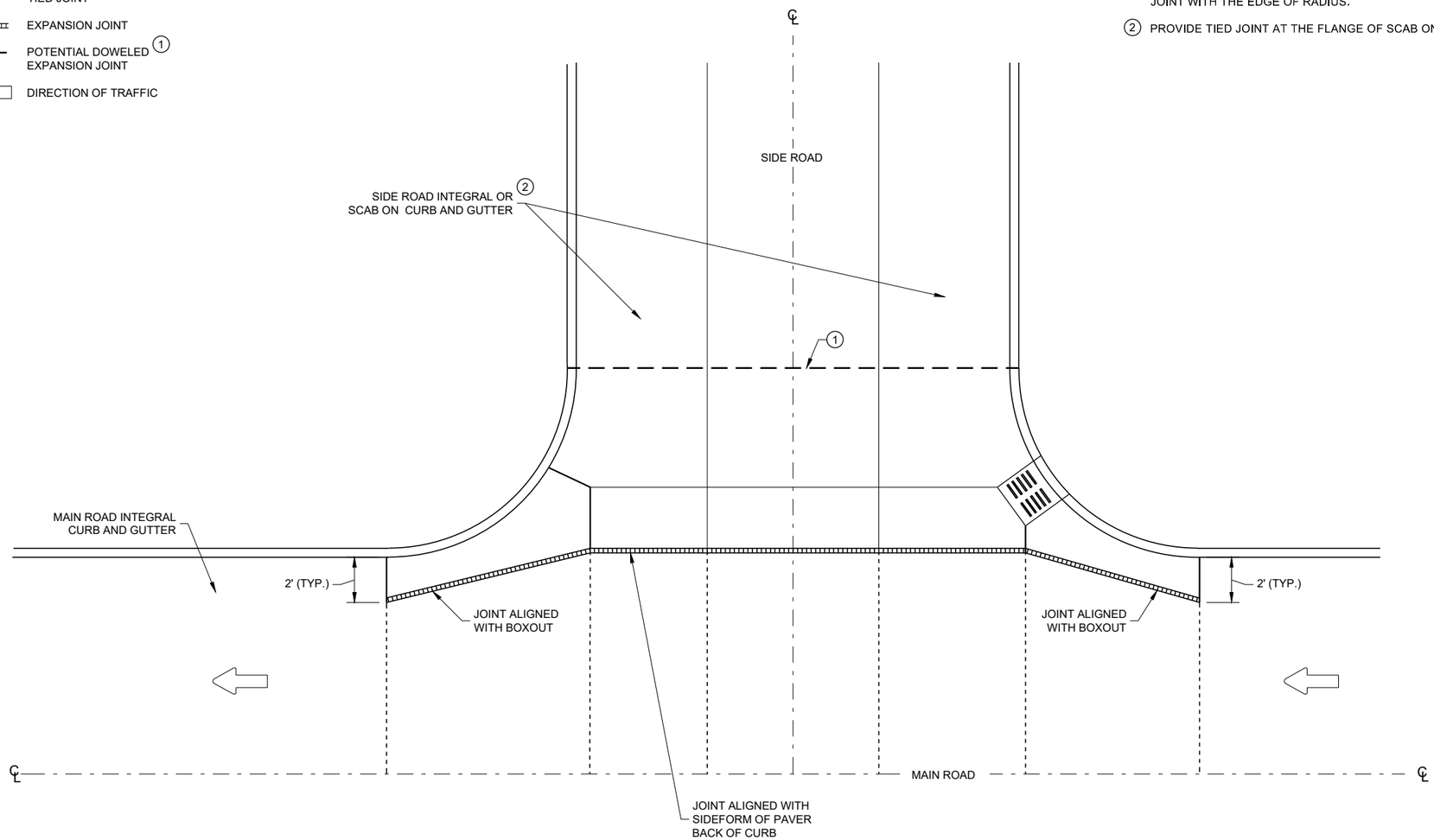
LEGEND

- DOWELED JOINT
- TIED JOINT
- EXPANSION JOINT
- POTENTIAL DOWELED EXPANSION JOINT (1)
- DIRECTION OF TRAFFIC



GENERAL NOTES

(1) CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITH THE EDGE OF RADIUS.

(2) PROVIDE TIED JOINT AT THE FLANGE OF SCAB ON CURB IF SCAB ON CURB AND GUTTER IS USE.

INTERSECTION BOXOUT FOR INTEGRAL CURB AND GUTTER

CONCRETE PAVEMENT INTERSECTION BOXOUT FOR INTEGRAL CURB AND GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

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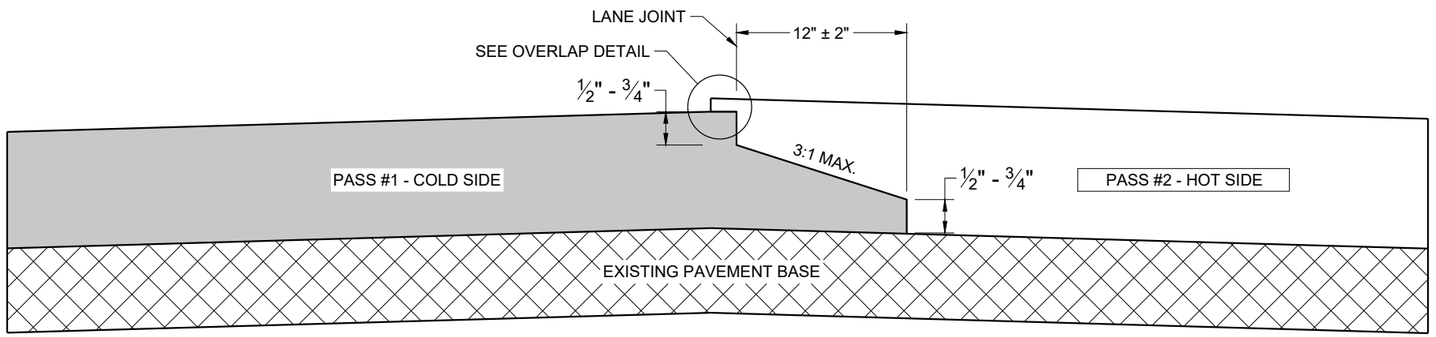
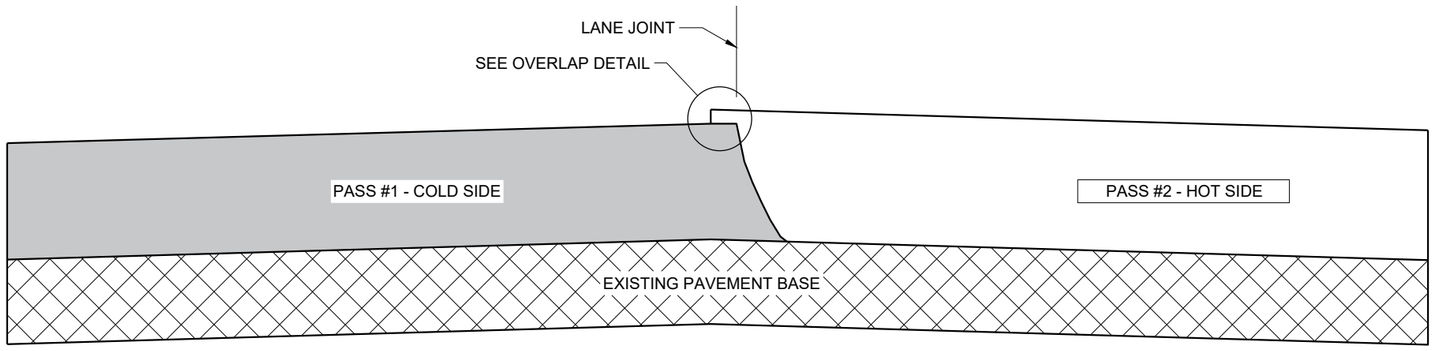
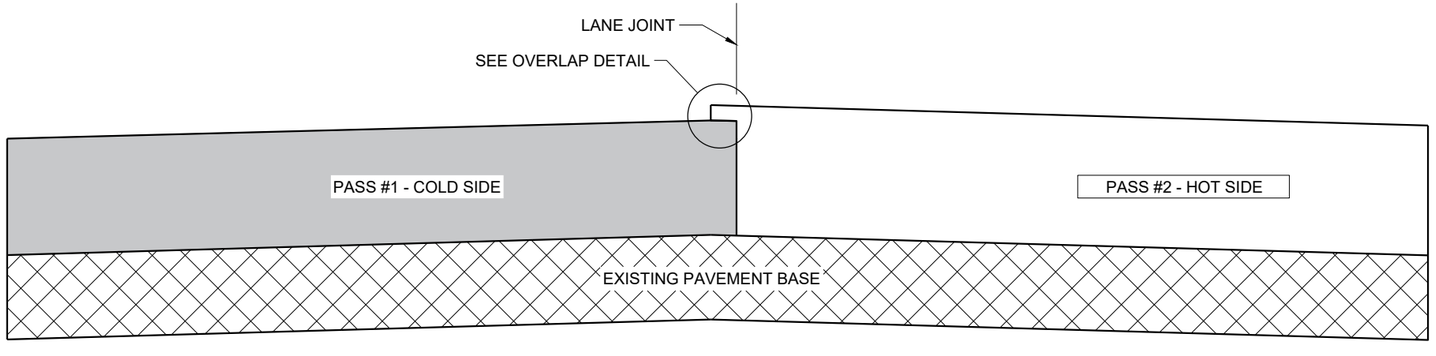


TYPICAL PAVEMENT CROSS SECTION
NOTCHED WEDGE JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT (MILLED)

GENERAL NOTES

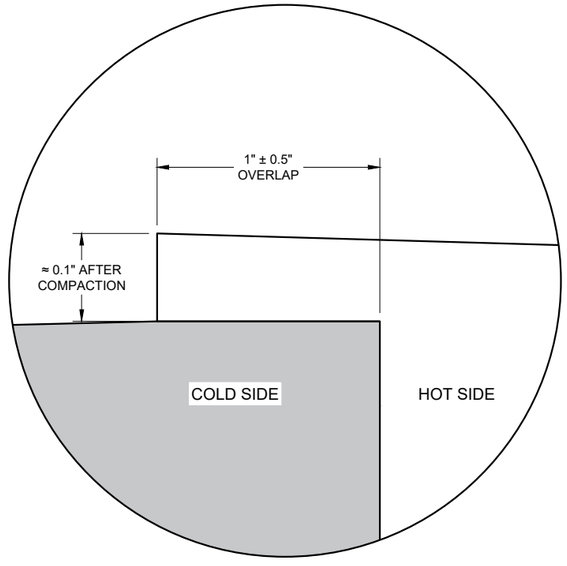
IN ADDITION TO THE DETAILS PROVIDED IN THIS DRAWING, CONFORM TO STANDARD SPECIFICATION 450.3.2.8 FOR WHEN A NOTCHED WEDGE JOINT IS REQUIRED AND FOR GENERAL JOINT CONSTRUCTION REQUIREMENTS.

FOR ALL LONGITUDINAL JOINTS, ENSURE THE PAVER SCREED OVERLAPS THE PREVIOUSLY PLACED PAVEMENT BY 1" ± 0.5" AND THE HOT SIDE OF THE JOINT REMAINS HIGHER THAN THE COLD SIDE BY APPROXIMATELY 0.1" AFTER FINAL COMPACTION. (IT WILL BE FLUSH WHEN PAVING IN ECHELON.)

ONLY REMOVE THE LONGITUDINAL NOTCHED WEDGE JOINT FOR SMA PAVEMENT OR AS DIRECTED BY THE ENGINEER TO ADDRESS SPECIFIC LENGTHS OF JOINT DAMAGED BY TRAFFIC.

WHEN MILLING BACK OR REMOVING ANY LONGITUDINAL JOINT, LIMIT THE MATERIAL REMOVED TO 2" FROM THE TOP NOTCH OR FROM THE VERTICAL JOINT EDGE ON THE COLD SIDE OF THE JOINT.

USE LONGITUDINAL MILLED JOINT AS PLANS SHOW OR THE AS THE ENGINEER DIRECTS.



OVERLAP DETAIL (TYPICAL)

6

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SDD 13C19 - 03

SDD 13C19 - 03

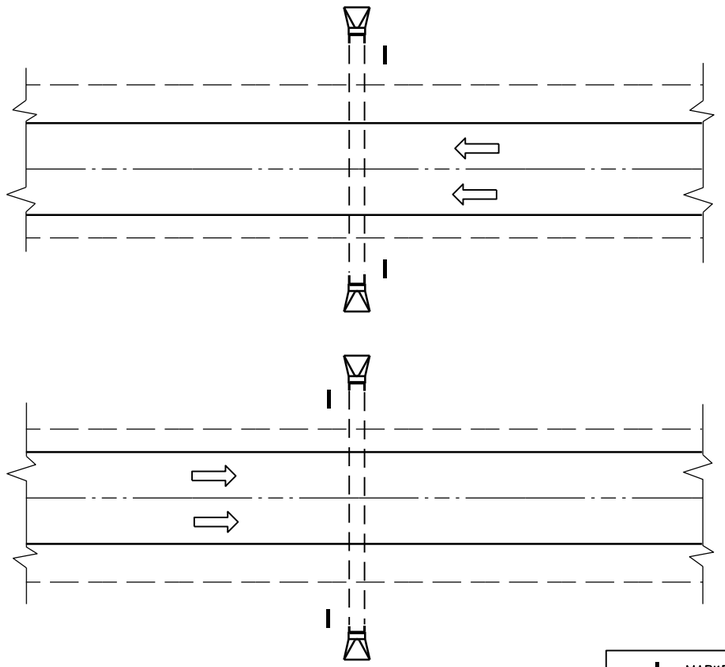
HMA LONGITUDINAL JOINTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2020
DATE

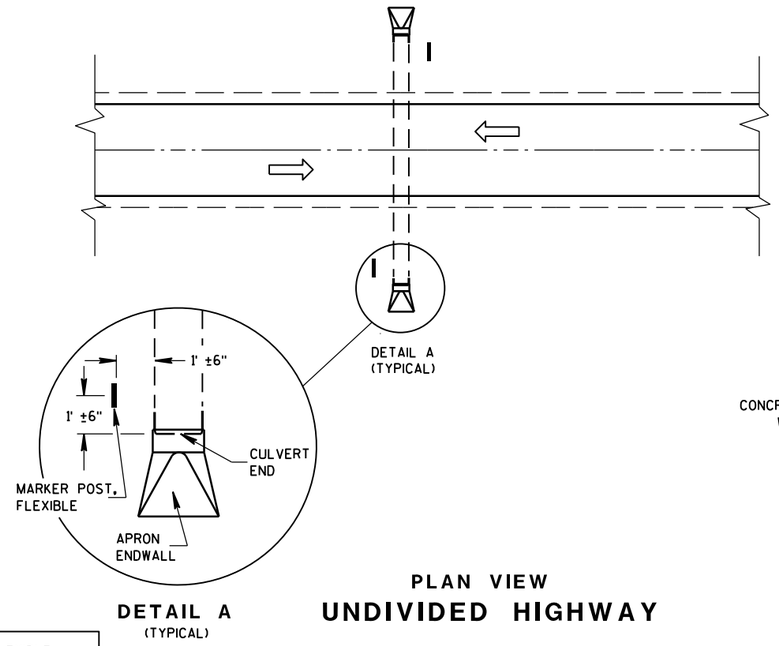
/S/ Steven Hefel
HMA PAVEMENT ENGIN

FHWA



PLAN VIEW

DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

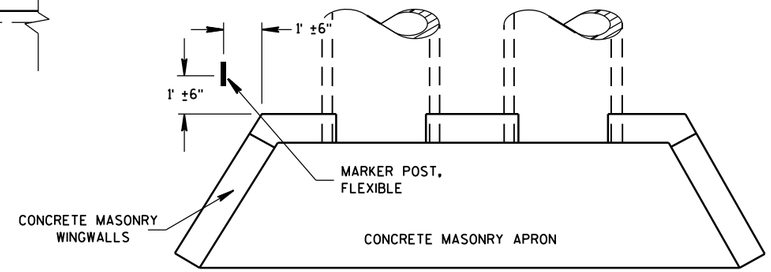
UNDIVIDED HIGHWAY

MARKER POST, FLEXIBLE

DIRECTION OF TRAFFIC FLOW

GENERAL NOTES

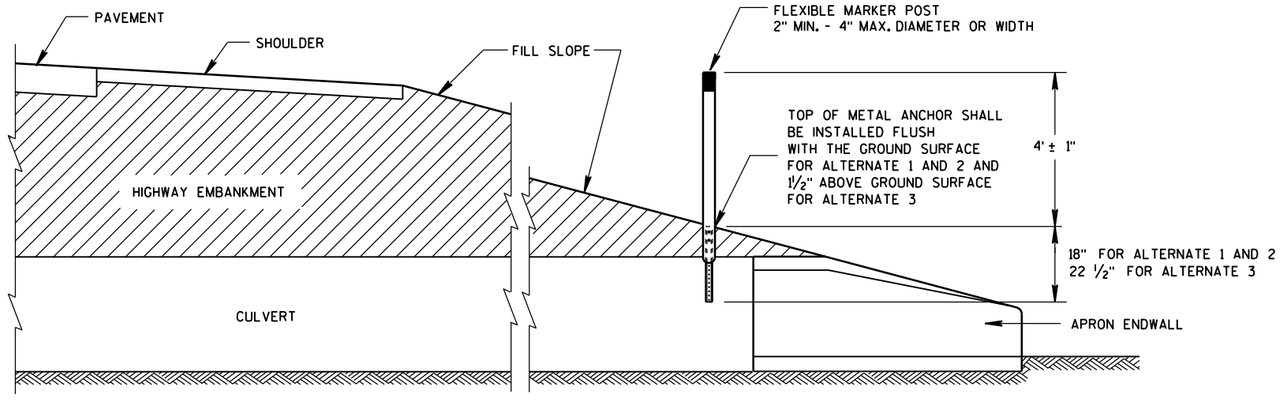
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



PLAN VIEW

CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

FLEXIBLE MARKER POST LOCATION



CROSS SECTION

FLEXIBLE MARKER POST

FLEXIBLE MARKER POST
FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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S.D.D. 15 A 3-2a

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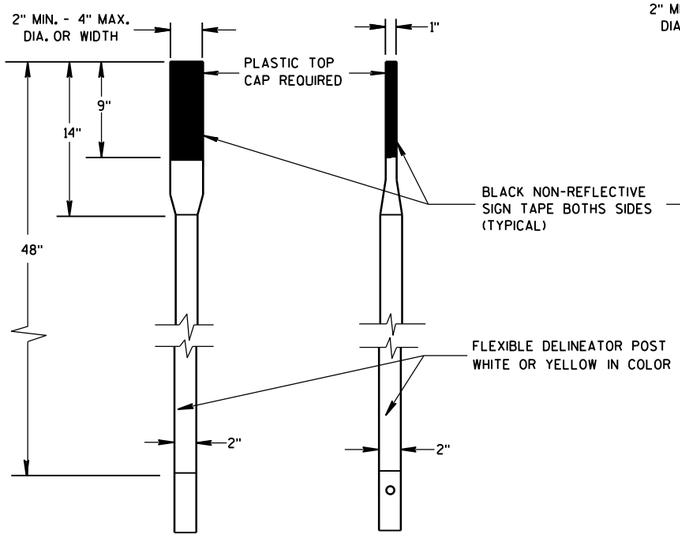
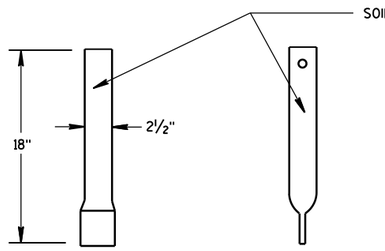
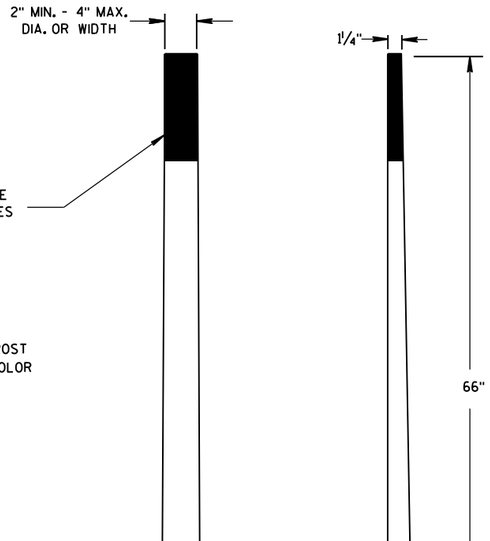
S.D.D. 15 A 3-2a





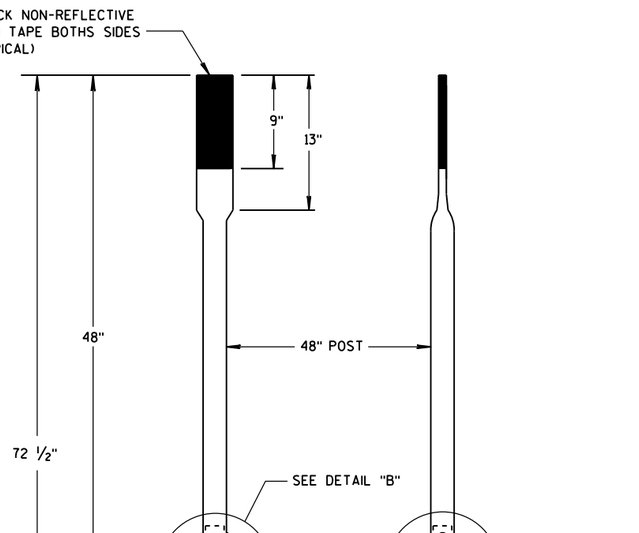
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

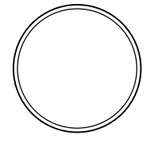
ALTERNATE 2



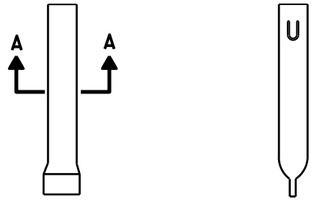
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POSTS

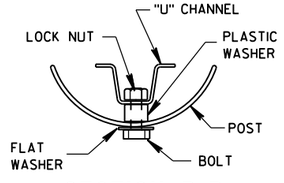


SECTION A-A

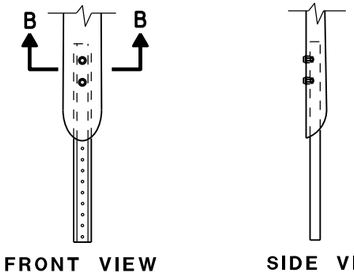


FRONT VIEW SIDE VIEW

ALTERNATE 1

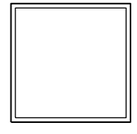


SECTION B-B

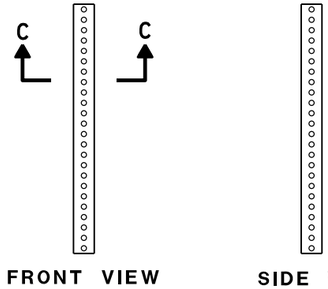


FRONT VIEW SIDE VIEW

ALTERNATE 2



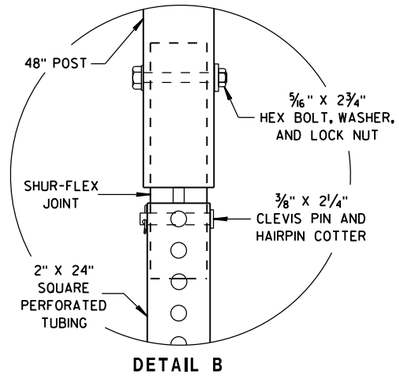
SECTION C-C



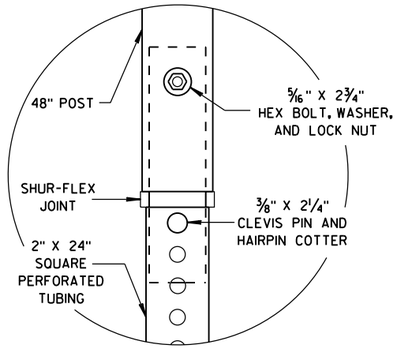
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POST ANCHORS



DETAIL B



DETAIL C

FLEXIBLE MARKER POST
FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/1/2012 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

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S.D.D. 15 A 3-2b

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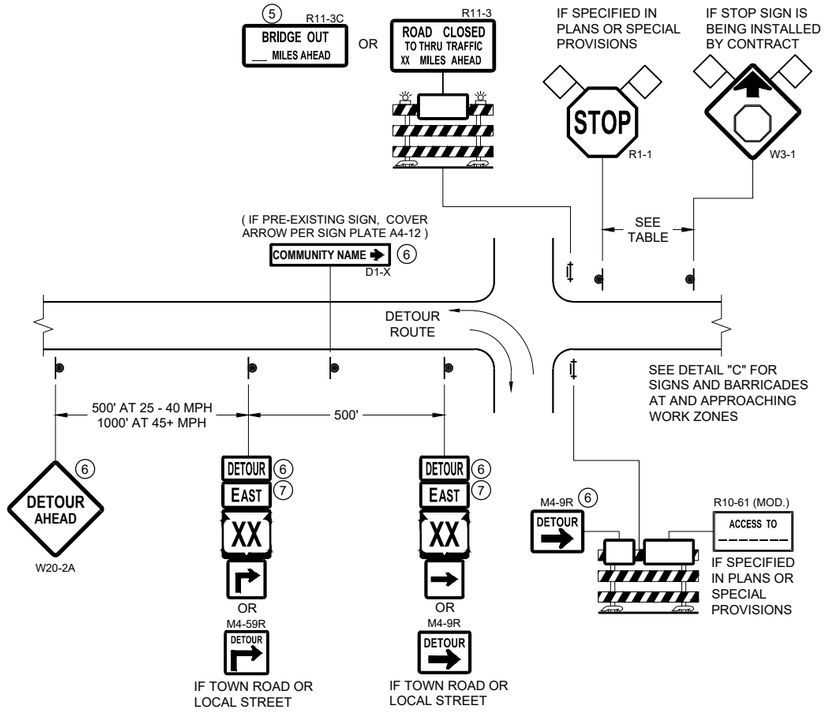
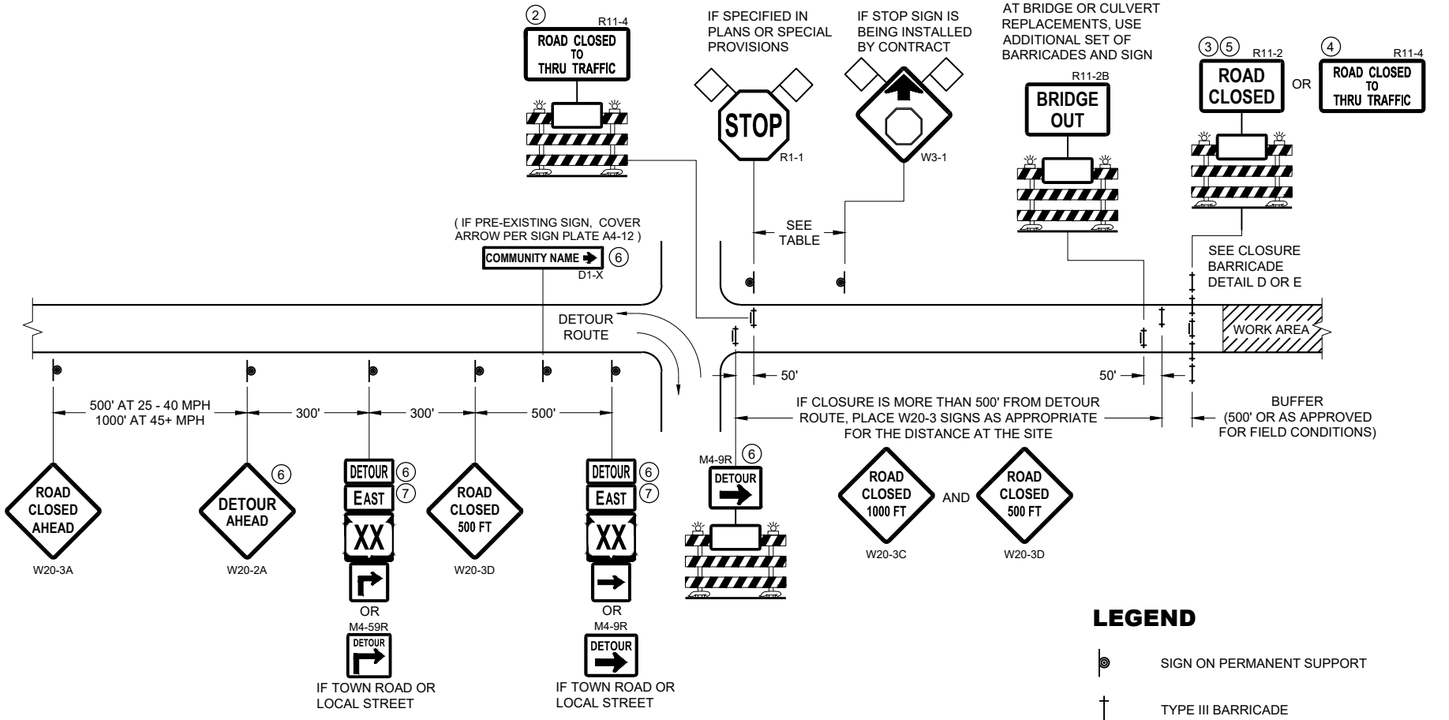
S.D.D. 15 A 3-2b



DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE GREATER THAN OR EQUAL TO ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



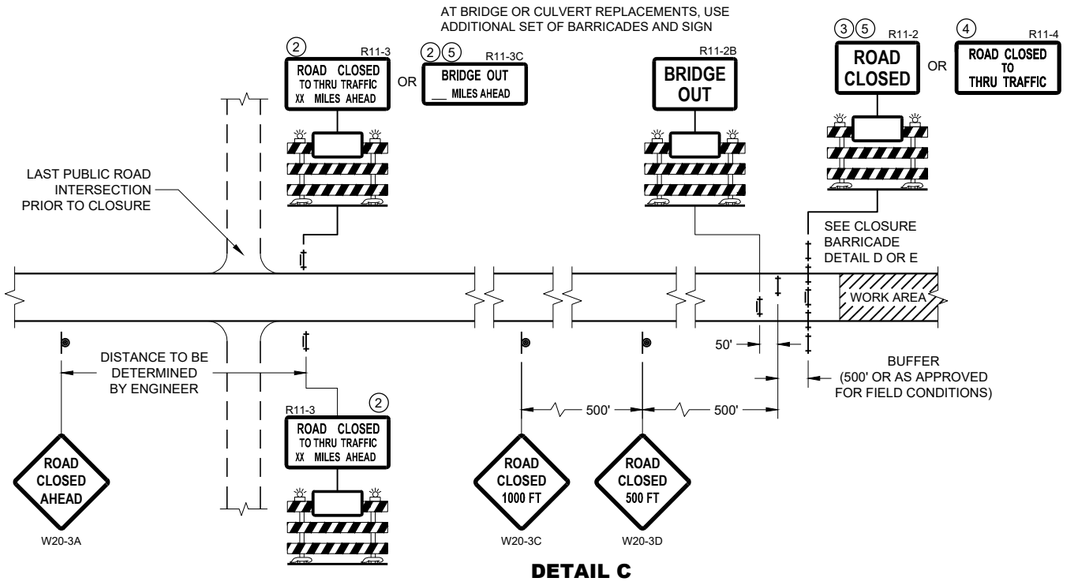
DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE LESS THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- FLAGS, 16" X 16" MIN. (ORANGE)

DETOUR M4 - 8
EAST M3 - X
XX M1 - 4 OR XX M1 - 6 OR COUNTY X M1 - 5A
M05 - 1 OR M06 - 1



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

SEE SDD 15C2-SHEET "b"
FOR GENERAL NOTES
AND FOOTNOTES ① THROUGH ⑦

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

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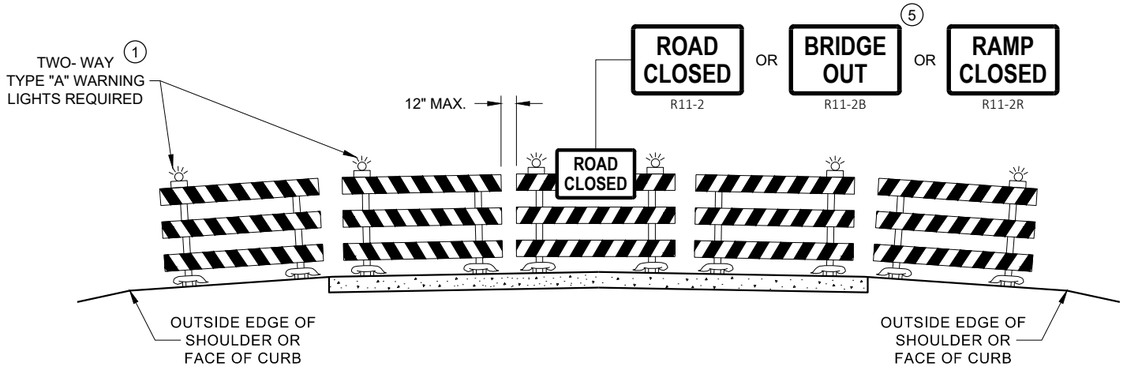
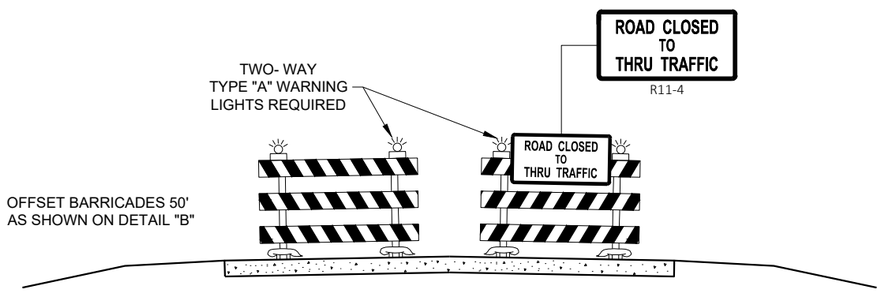
SDD 15C02 - 09a

SDD 15C02 - 09a



DETAIL D
ROAD CLOSURE BARRICADE DETAIL
APPROACH VIEW



DETAIL E
LANE CLOSURE BARRICADE DETAIL
APPROACH VIEW

SEE SDD 15C2 - SHEET "a" FOR LEGEND

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

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

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

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW - INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11 - 2, R11 - 3, M4 - 9, R11 - 4, AND R10 - 61 SIGNS PLACED ON THE BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE RAIL OR BOTTOM RAILS.

"WO" AND "MO" SIGNS ARE THE SAME AS "W" AND "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
- R11 - 2 SHALL BE 48" X 30"
- R11 - 3 SHALL, R11 - 4 AND R10 - 61 SHALL BE 60 " X 30"
- M4 - 9 SHALL BE 30" X 24"
- M3 - X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4 - 8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1 - 4, M1 - 5A AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- MO5 - 1 AND MO6 - 1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- D1 - X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1 - 1 SHALL BE 36" X 36"

(1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT SPACING.

(2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT AN INTERSECTION.

(3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "D".

(4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "E".

(5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11 - 2 AND R11 - 3 SIGNS.

(6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.

(7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR VARIOUS CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

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SDD 15C02 - 09b

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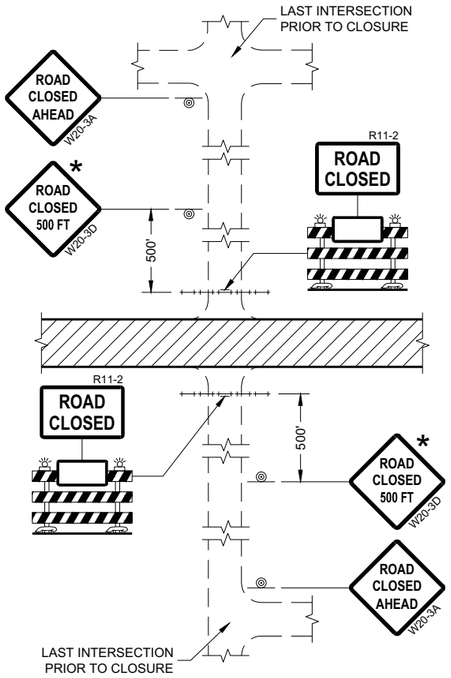
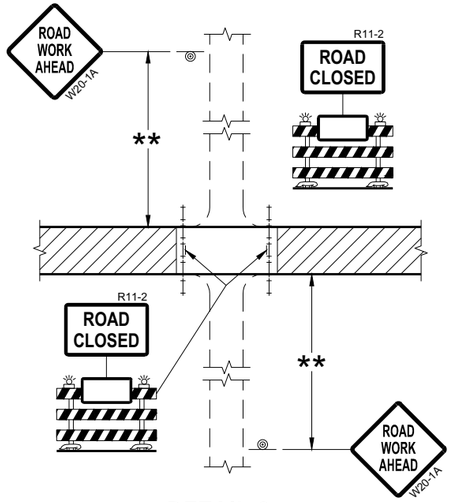
SDD 15C02 - 09b



DETAIL 1
(NO ACCESS TO PROJECT)



DETAIL 2
(PUBLIC CROSS-TRAFFIC MAINTAINED.
NO 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.

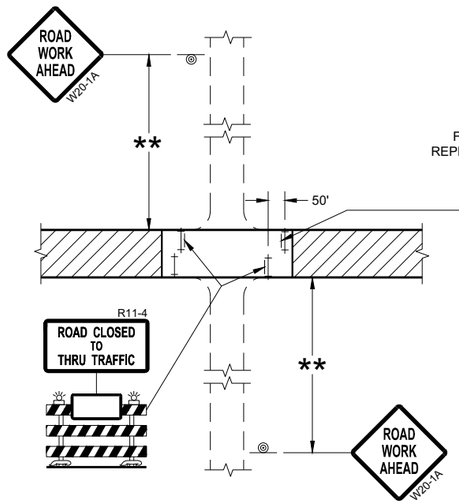
TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

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.



DETAIL 3
(PUBLIC CROSS-TRAFFIC MAINTAINED.
CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)

DETAIL 4
(CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15C03 - 05

GENERAL NOTES

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

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

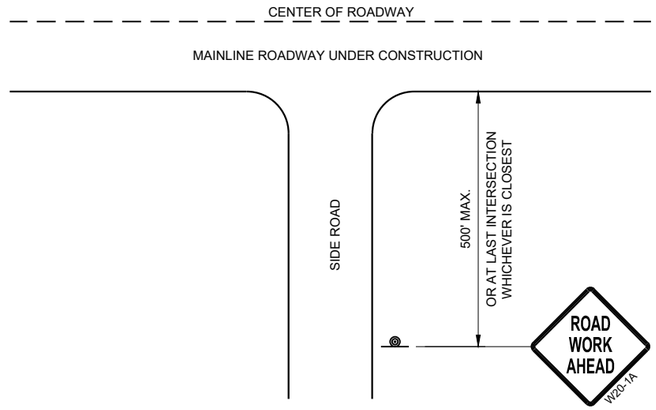
ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

* OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS

** PLACE AN ADDITIONAL W20-1A "ROAD WORK AHEAD" SIGN IF WORK AREA WITHIN THE PROJECT IS SEPARATED BY MORE THAN 2 MILES FROM PREVIOUS WORK AREA.



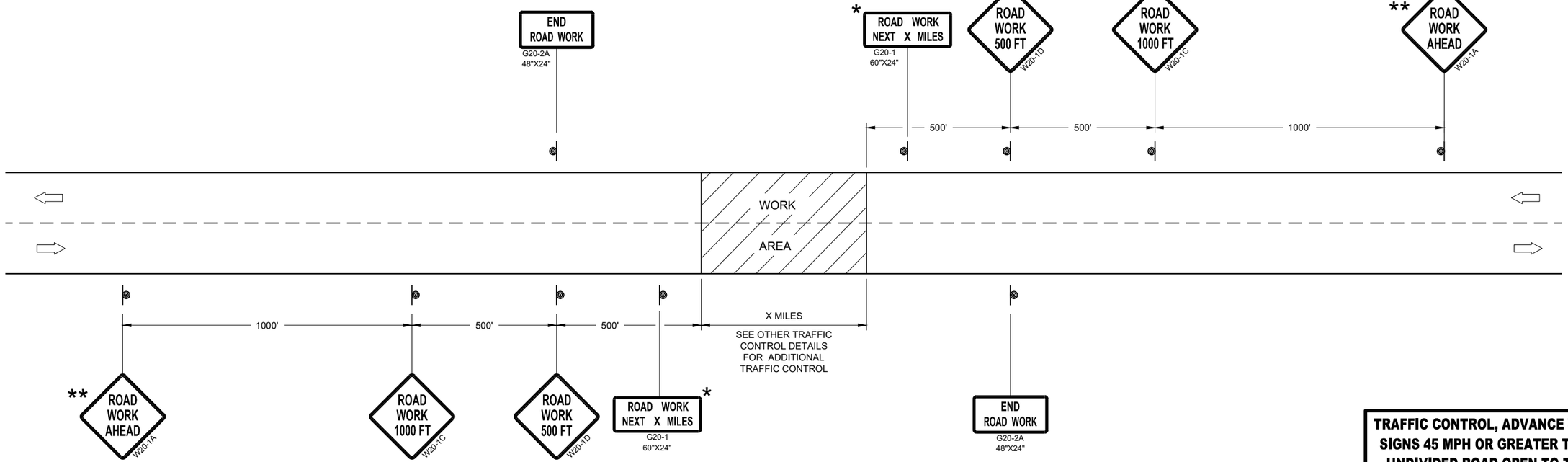
TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

WORK AREA



TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45MPH OR GREATER

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

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SDD 15C04 - 05

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

(1) LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING

(2) MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

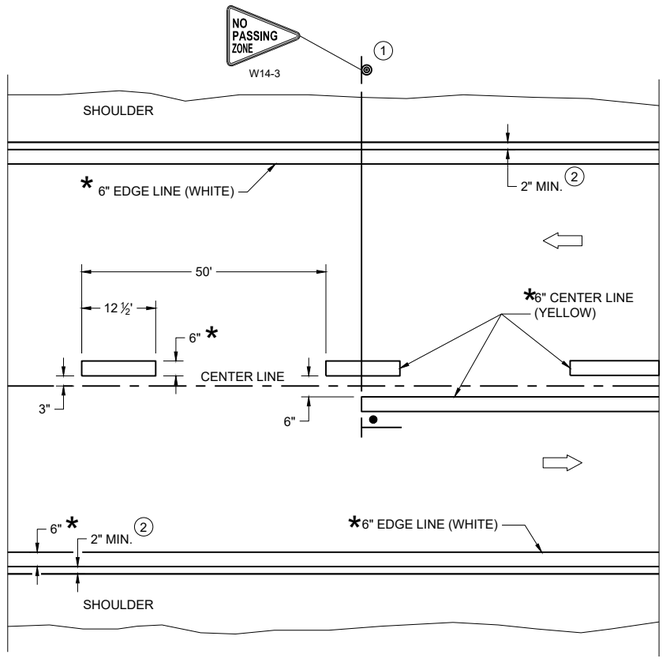
*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

LEGEND

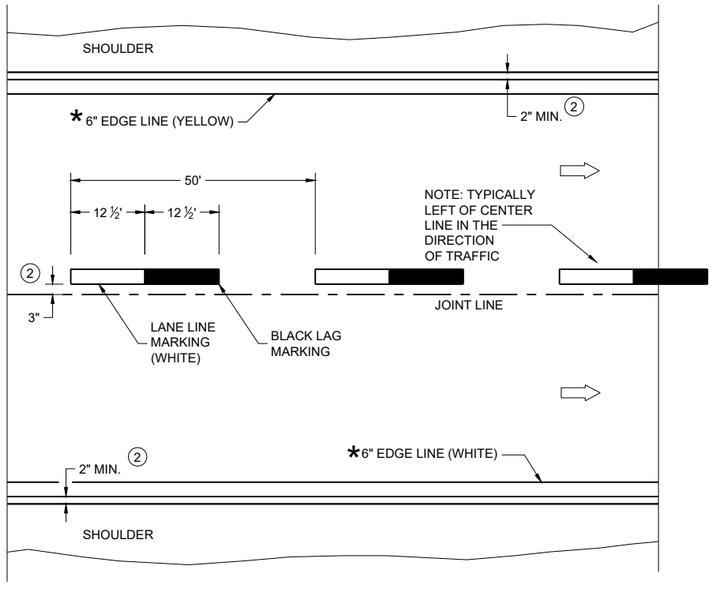
"T" MARKING

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC



TWO WAY TRAFFIC



ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING

PERMANENT LONGITUDINAL PAVEMENT MARKINGS	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED December 2024 DATE	/S/ Jeannie Silver Statewide Pavement Marking Engineer
FHWA	

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SDD 15C08-24a

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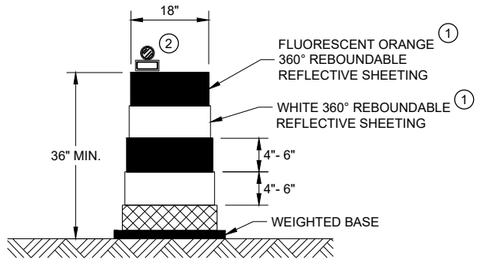
SDD 15C08-24a

GENERAL NOTES

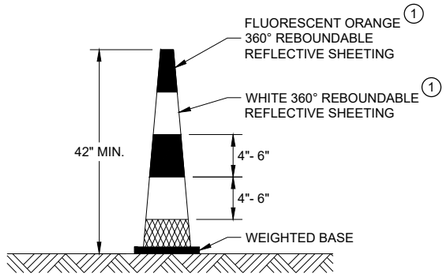
(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

(2) LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.



DRUM

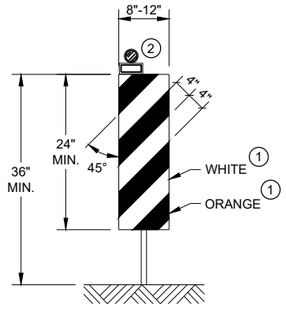
BALLAST WIDTHS
RANGE FROM 24"-36"



42" CONE

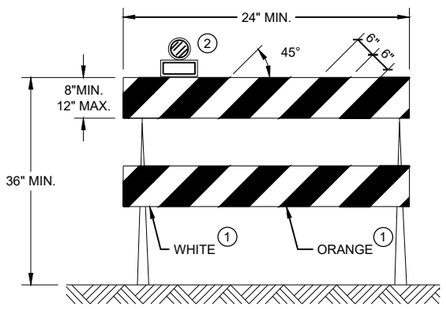
DO NOT USE IN TAPERS
½ SPACING OF DRUMS

BALLAST WIDTHS
RANGE FROM 14"-20"



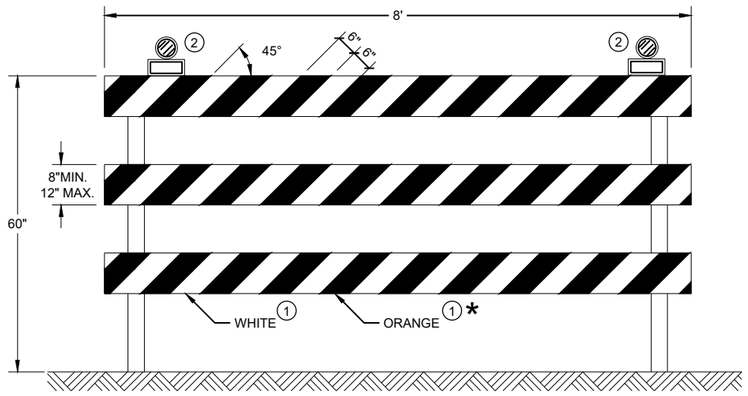
VERTICAL PANEL

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
November 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

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SDD 15C11 - 10b
SDD 15C11 - 10b

LEGEND

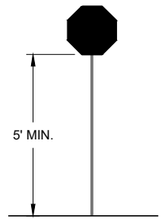
SIGN ON PORTABLE OR PERMANENT SUPPORT

TEMPORARY PORTABLE RUMBLE STRIP ARRAY

DIRECTION OF TRAFFIC

WORK AREA

FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF



STOP/SLOW PADDLE ON SUPPORT STAFF

GENERAL NOTES

DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

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

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS, DEVICES, AND LOCATION OF ALL FLAGGERS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR QUEUE.

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

FLAGGING

FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT REMOVE TEMPORARY PORTABLE RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING.

(1) FOR MOVING WORK OPERATIONS, POST ADDITIONAL W20-7A FLAGGER SIGNS AT APPROXIMATELY 3,500' INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.

(2) SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

WHEN THE DISTANCE BETWEEN FLAGGERS EXCEEDS 2 MILES, A PILOT CAR IS REQUIRED. WHEN CURVES REDUCE SIGHT DISTANCE BELOW 400', A PILOT CAR IS REQUIRED.

TEMPORARY PORTABLE RUMBLE STRIPS

UTILIZE TEMPORARY PORTABLE RUMBLE STRIPS ON ALL FLAGGING OPERATIONS.

(3) EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS PLACED TRANSVERSE ACROSS THE LANE AT THE LOCATIONS SHOWN. WITHIN EACH ARRAY, SPACING BETWEEN RUMBLE STRIPS SHALL BE 15 FEET ON CENTER

ONLY USE TEMPORARY PORTABLE RUMBLE STRIPS FROM THE APPROVED PRODUCTS LIST.

INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS.

PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.

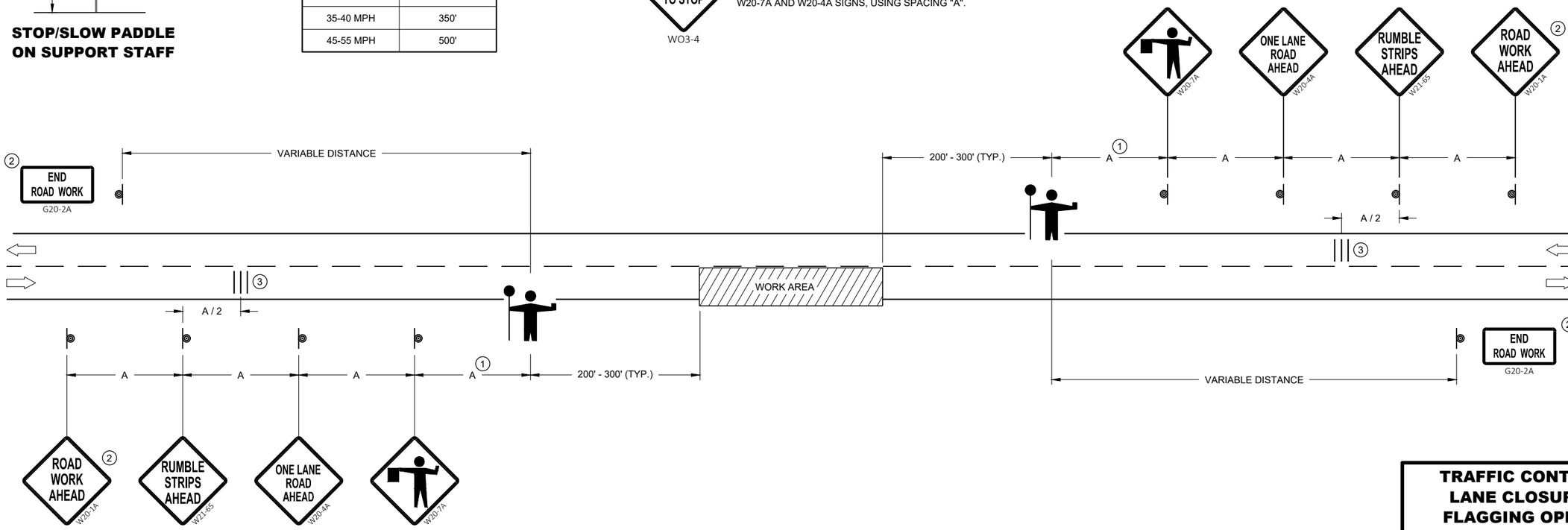
DO NOT INSTALL TEMPORARY PORTABLE RUMBLE STRIPS ON GRAVEL, MILLED SURFACES, OR ASPHALT THAT HAS BEEN PAVED LESS THAN 12 HOURS.

SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

SPEED LIMIT	SPACING "A"
25-30 MPH	200'
35-40 MPH	350'
45-55 MPH	500'

WO3-4

USE OF WO3-4 SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7A AND W20-4A SIGNS, USING SPACING "A".



TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

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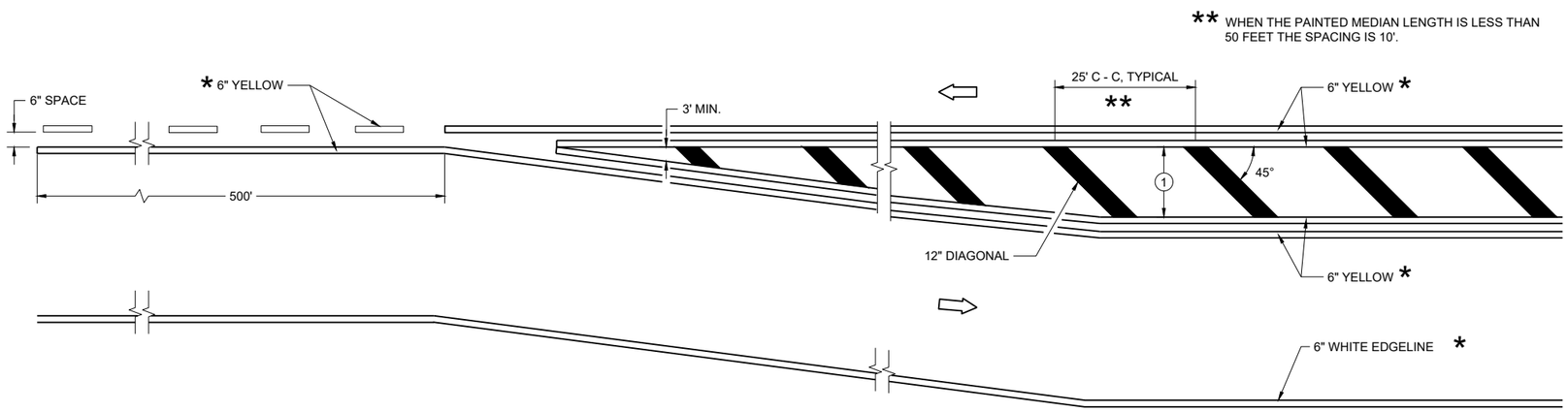
SDD 15C12 - 09a



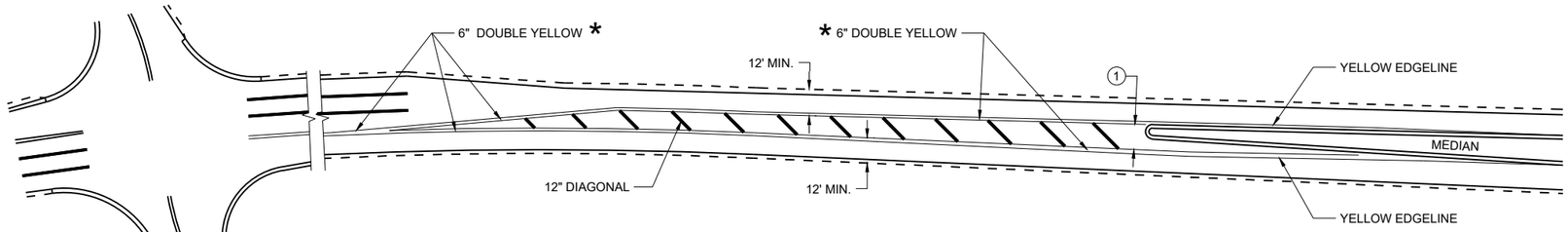
MEDIAN ISLAND DETAIL

GENERAL NOTES

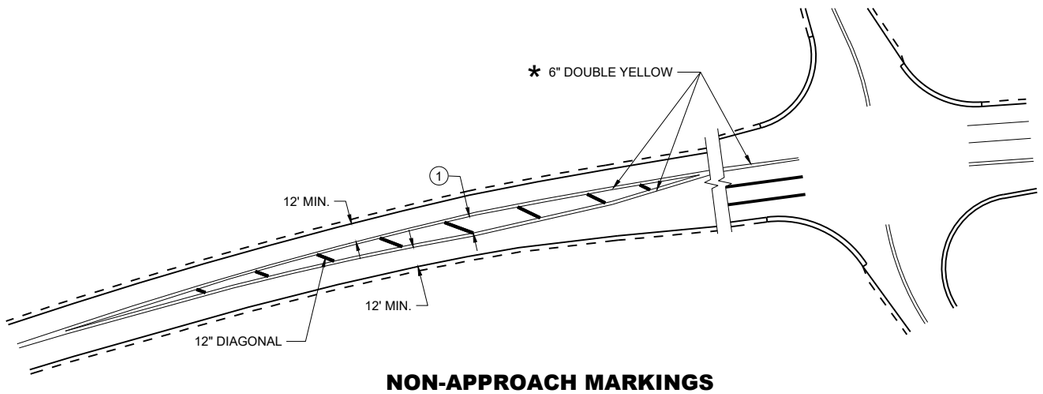
(1) DIAGONALS ARE OPTIONAL WHEN PAINTED ISLAND IS LESS THAN 6 FEET AT THE WIDEST POINT. OMIT DIAGONALS IF WIDTH IS LESS THAN 4 FEET.

DIRECTION OF TRAVEL

*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



APPROACH MARKINGS FOR OTHER MEDIAN TYPES



NON-APPROACH MARKINGS

MEDIAN ISLAND PAVEMENT MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

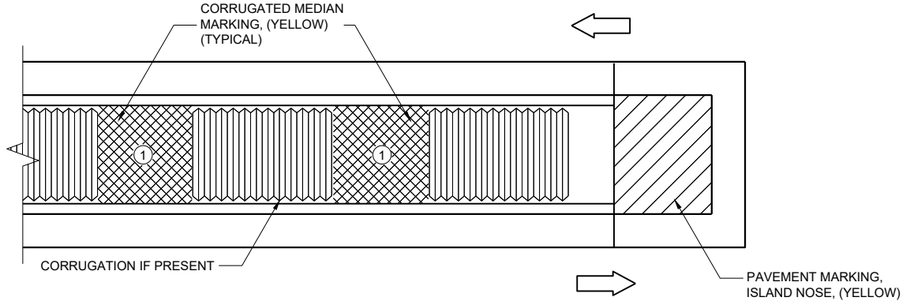
APPROVED
August 2024
DATE

/S/ Jeannie Silver
Statewide Pavement Marking Engineer

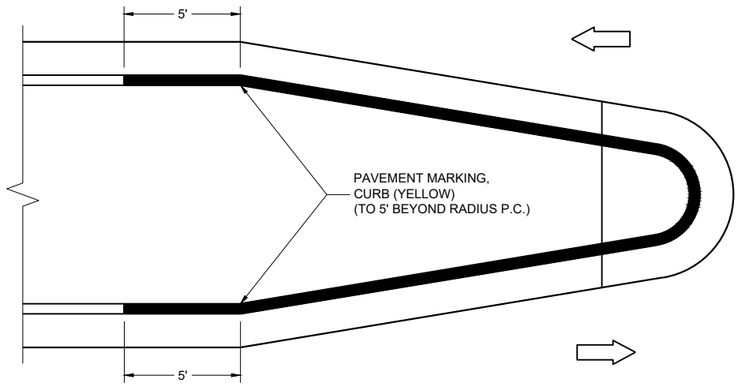
FHWA

6

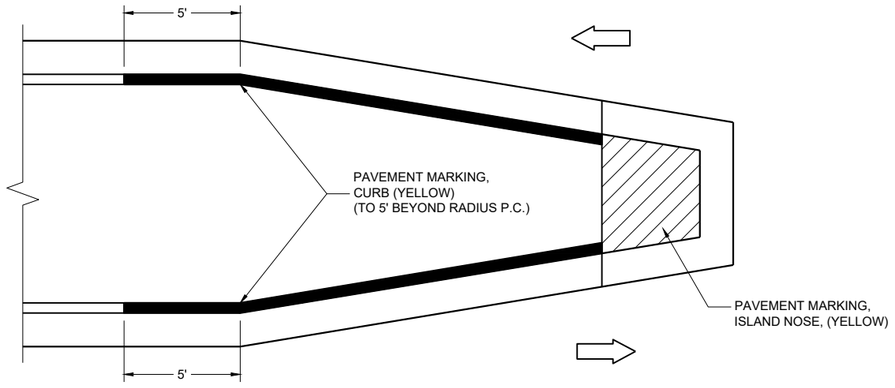
SDD 15C18-09a



MEDIAN ISLAND WITH SQUARE BLUNT NOSE



MEDIAN ISLAND WITH ROUND BLUNT NOSE



MEDIAN ISLAND WITH SLOPED NOSE

**TYPICAL PLACEMENT OF
PAVEMENT MARKING ON MEDIAN ISLANDS**

GENERAL NOTES

WHEN CONCRETE CORRUGATED MEDIAN IS CONSTRUCTED TO SEPARATE TRAFFIC OPERATING IN THE OPPOSING DIRECTION, YELLOW PAVEMENT MARKING SHALL BE APPLIED TO THE FLAT PORTION OF THE CONCRETE CORRUGATED MEDIAN. THE ITEM OF PAVEMENT MARKING, CONCRETE CORRUGATED MEDIAN, WILL BE MEASURED IN PLACE AND ACCEPTED IN ACCORDANCE WITH THE CONTRACT AND PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT.

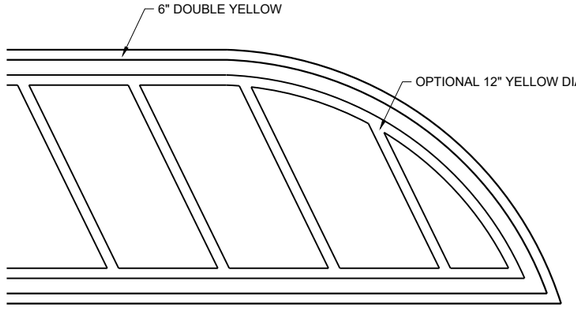
(1) APPLY PAVEMENT MARKING TO THE FLAT PORTION OF CORRUGATED MEDIAN.

ISLAND NOSE MARKING

CURB MARKING

CORRUGATED MEDIAN MARKING

DIRECTION OF TRAVEL



FLUSH MEDIAN ISLAND NOSE

**PAVEMENT MARKINGS,
MEDIAN ISLAND NOSE**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

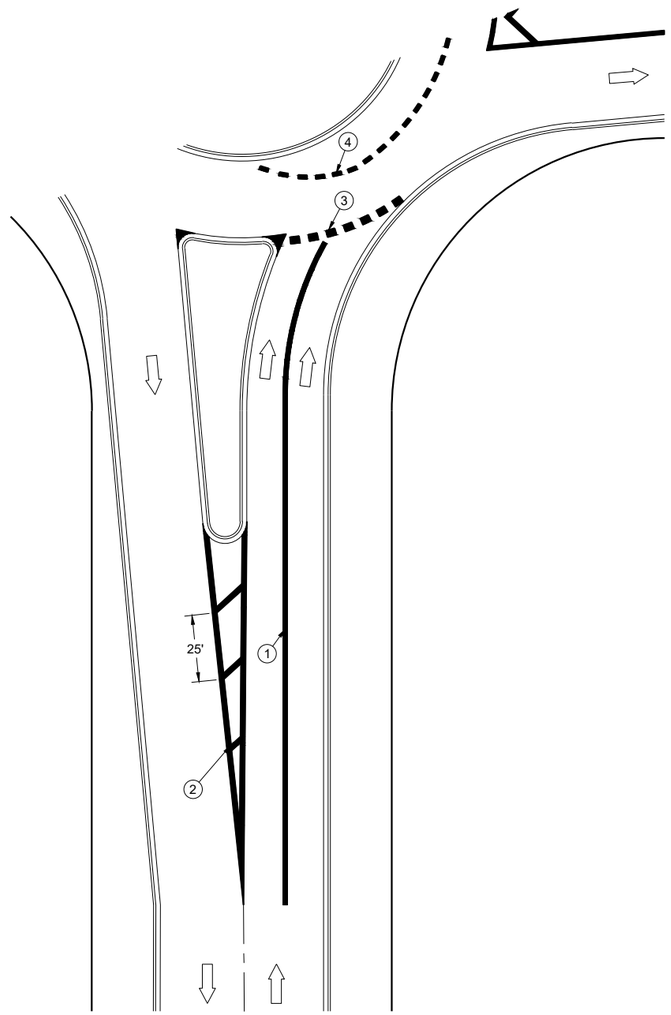
APPROVED
August 2024
DATE

/S/ Jeannie Silver
Statewide Pavement Marking Engineer

FHWA

LEGEND

- (1) 10" WHITE
- (2) 12" DIAGONALS AT 25' SPACING. (CAN BE OMITTED IF LESS THAN 6')
- (3) 18" WHITE, 2' LINE, 2' GAP
- (4) 6" LINE (6 FT LINE, 3'GAP)
- DIRECTION OF TRAFFIC
- CURB AND GUTTER
- RIGHT OF WAY



6

SDD 15C22-01

DOTTED EXTENSION FOR ROUNDABOUT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

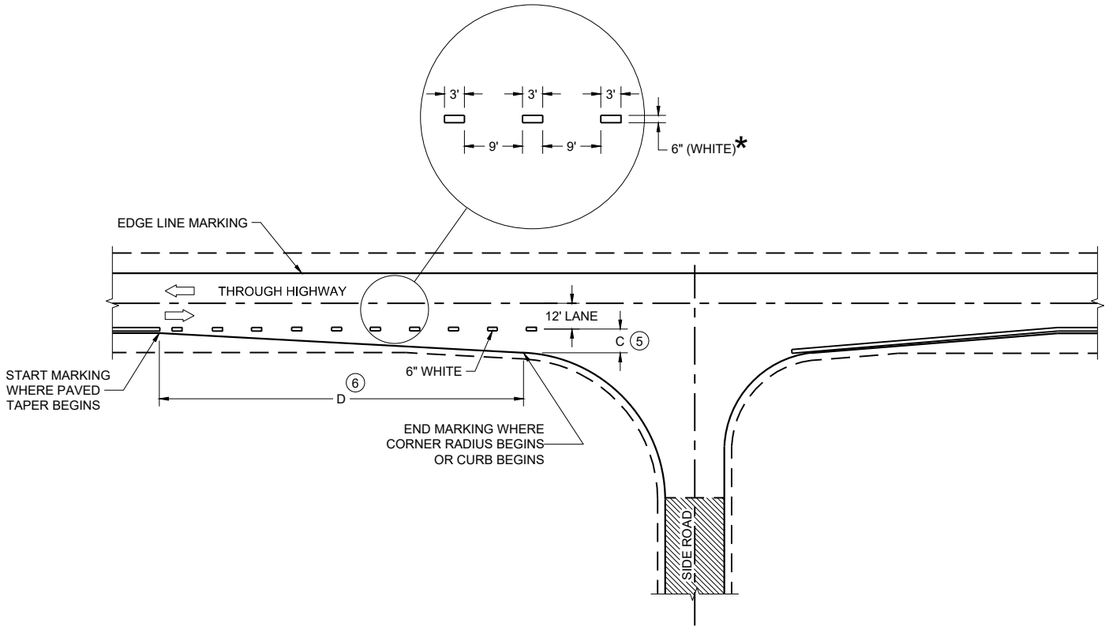
APPROVED
August 2024
DATE

/S/ Matthew Rauch
ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

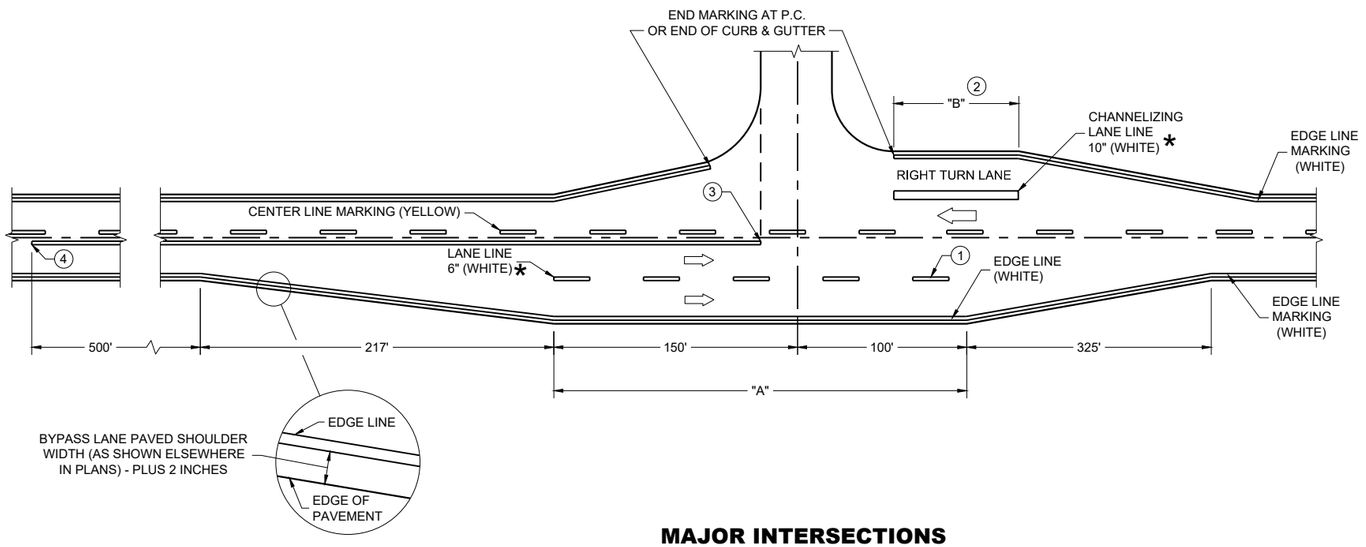
FHWA

6

SDD 15C22-01



MINOR INTERSECTION



MAJOR INTERSECTIONS

(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANE)

*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

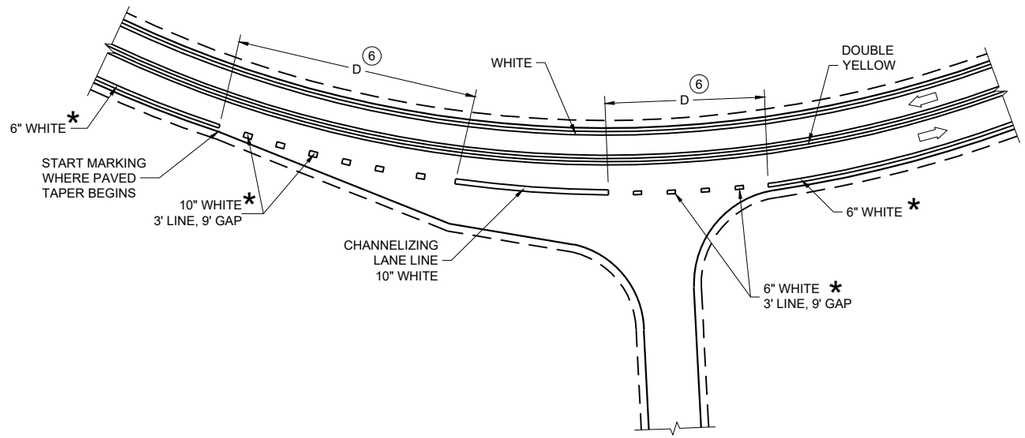
GENERAL NOTES

OMIT EDGE LINES THROUGH INTERSECTIONS. CONTINUE EDGE LINES THROUGH DRIVEWAYS.

1. WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.
2. WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.
3. BARRIER LINE ENDS AT SIDE ROAD PAVEMENT / SURFACE EDGE EXTENSION.
4. BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.
5. WHEN DISTANCE "C" IS LESS THAN 4 FEET, OMIT DOTTED EXTENSION.
6. WHEN DISTANCE "D" IS LESS THAN 50 FEET, OMIT DOTTED EXTENSION.

LEGEND

DIRECTION OF TRAVEL



INTERSECTION ON OUTSIDE OF CURVE

PAVEMENT MARKING (INTERSECTIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

LEGEND

SIGN ON PERMANENT SUPPORT

TRAFFIC CONTROL DRUM

DIRECTION OF TRAFFIC

WORK ZONE

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" SIGNS MAY BE USED IF APPROVED BY THE REGIONAL TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

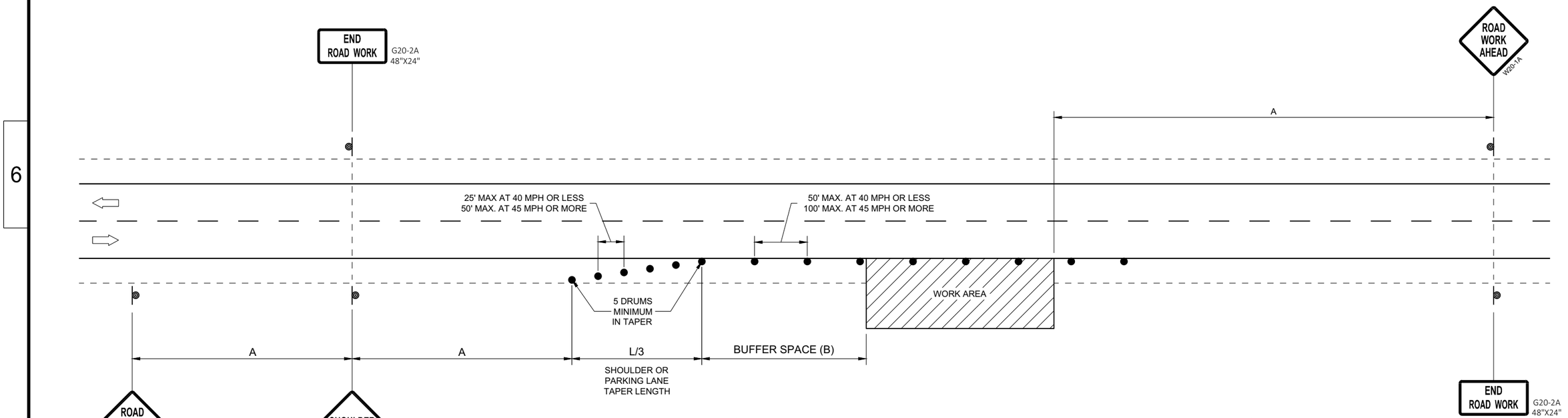
ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

W20-1A AND G20-2A SIGNS ARE NOT REQUIRED IF THE WORK AREA IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT. G20-2A SIGNS MAY ALSO BE OMITTED IF DURATION OF WORK IS LESS THAN 7 CONTINUOUS DAYS AND NIGHTS.



POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHOULDER TAPER L / 3 W, LATERAL OFFSET (FT)						BUFFER SPACE (B) FEET
		3	4	5	6	7	8	
25	200'	10	14	17	21	24	28	55
30	200'	15	20	25	30	35	40	85
35	350'	20	27	34	40	47	54	120
40	350'	26	35	44	53	62	70	170
45	500'	45	59	74	89	104	119	220
50	500'	50	66	83	99	116	132	280
55	500'	54	73	91	109	127	145	335'

TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2020
DATE

/S/ Andrew Heidtke
STATEWIDE WORK ZONE T SAFETY ENGINEER

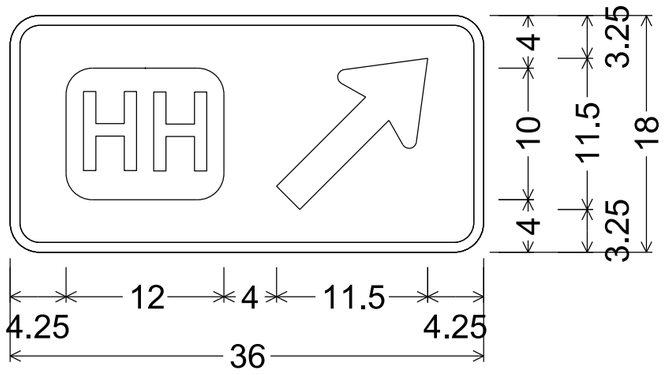
FHWA

6

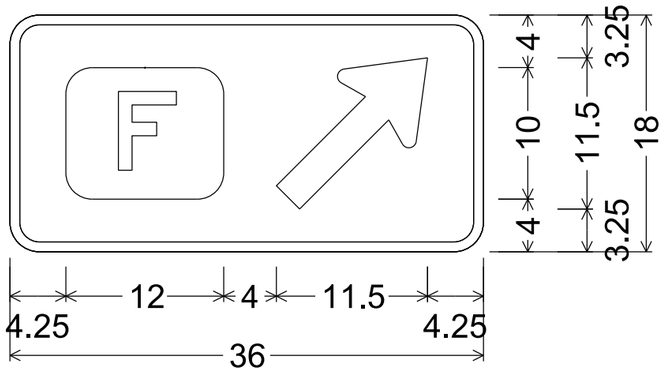
SDD 15D28 - 04

NOTES

1. Signs are Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - D



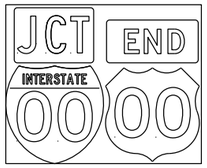
D1-67; 2.250" Radius, 0.750" Border



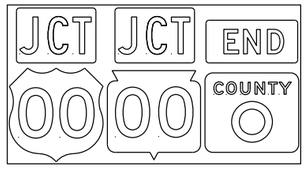
D1-67; 2.250" Radius, 0.750" Border

TYPICAL ASSEMBLIES

J1-1



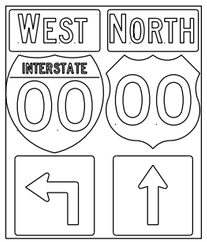
J1-2



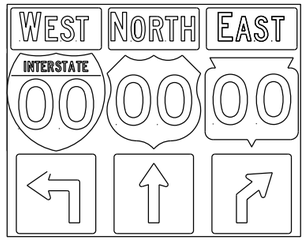
J1-3

JR1-1

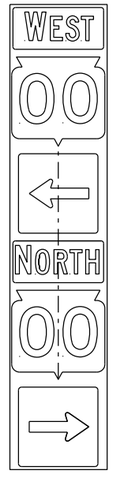
J2-1



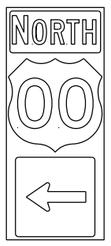
J2-2



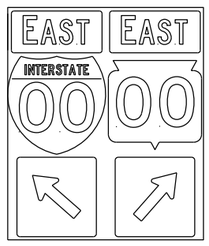
J2-3



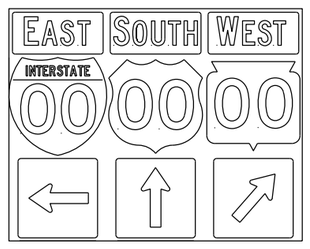
JV
(Typical Vertical J-Assembly
See Note 10 and 11)



J3-1

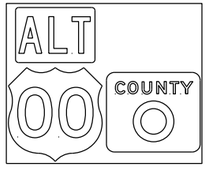


J3-2

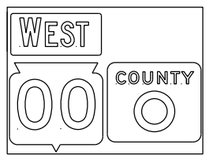


J3-3

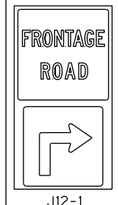
J4-1



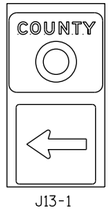
J4-2



J4-2



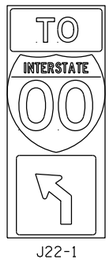
J12-1



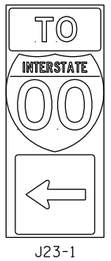
J13-1

J32-1

J33-1



J22-1

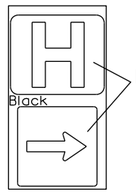


J23-1

JR13-1

JR23-1

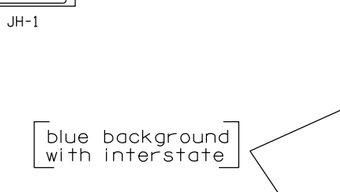
JR99-1

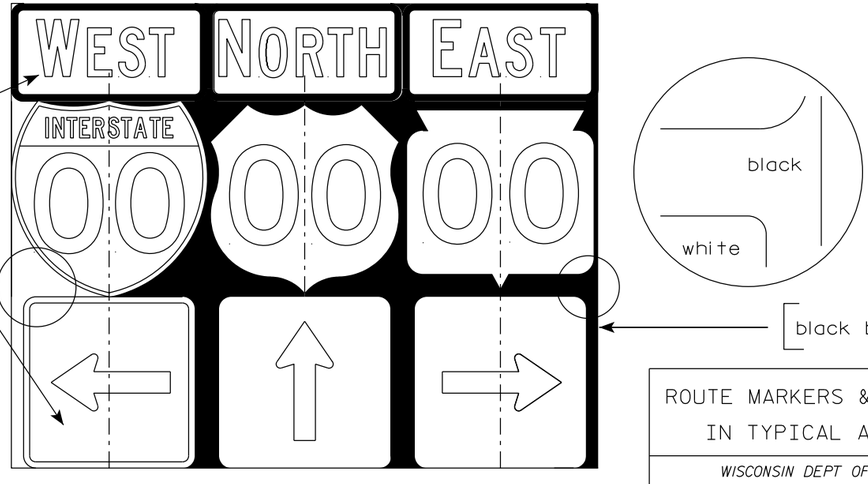


Blue Background
JH-1

NOTES

1. Signs are Type II - Type H Reflective
2. Color:
   Background - Black Non-reflective
   Message - see Note 4
3. Message Series - See Note 4
4. The colors and message spacing on each marker shall be according to the applicable route marker panel specifications.
5. Certain marker heads require the component pieces to be the same color. As an example, all the components used with an M1-1 Interstate marker shall be blue.
6. Single panel j-assemblies shall only be used with route marker shields that are same size. If the route marker shields are different size use multiple piece component.
7. Route assemblies that have 24 inch route shields and have dimensions greater than 48 inches (both vertical and horizontal) shall have one horizontal splice between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 inches or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
8. Route assemblies that have 36 inch shields and have dimensions greater than 48 inchs (both vertical and horizontal) shall have two horizontal splices. One horizontal splice shall be between the cardinal direction and route shields and the other horizontal splice shall be between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
9. All Vertical J Assemblies are given a Sign Code of JV
10. For JV Assemblies that have a mixture of Interstate and Non-Interstate shields, arrows and cardinals shall be white on blue.
11. For JV Assemblies that have a mixture of Non-Interstate and Auto-Tour shields, arrows and cardinals shall be black on white.





ROUTE MARKERS & COMPONENTS IN TYPICAL ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

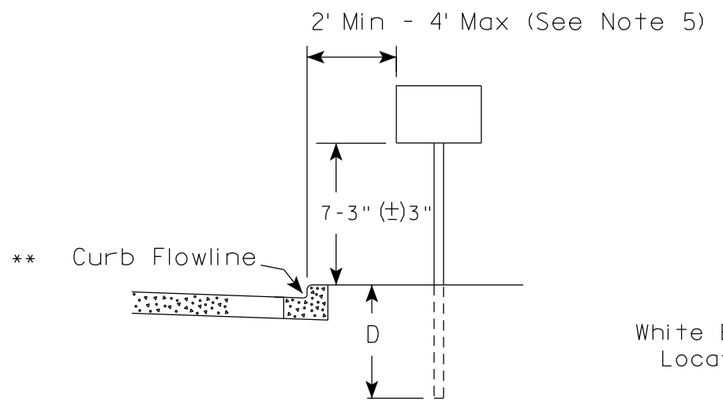
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/23 PLATE NO. A2-1S.10

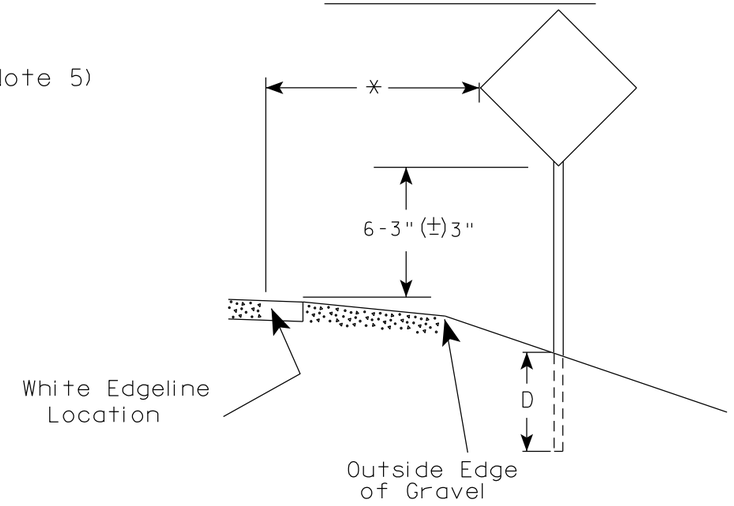
PROJECT NO:

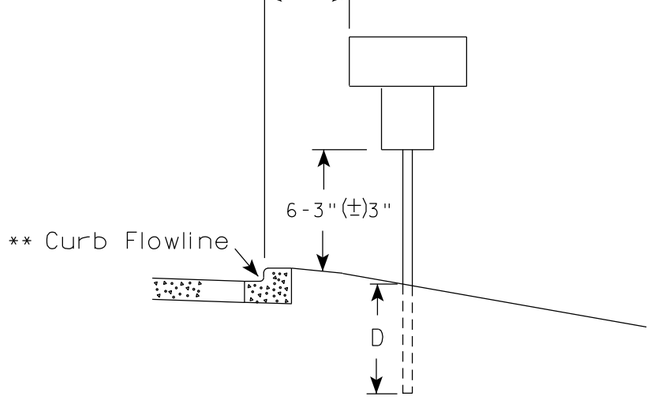
SHEET NO: 113 E

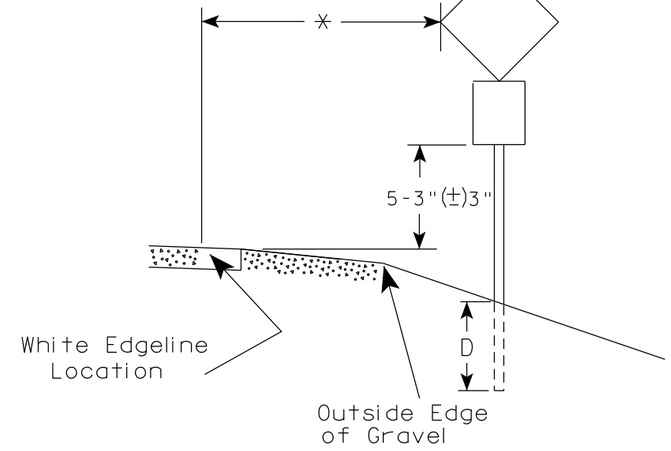
URBAN AREA



RURAL AREA (See Note 2)







** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

GENERAL NOTES

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on or behind barrier wall, see A4-10 sign plate.
   The Double Arrow sign (W12-1D) shall be mounted at a height of 2'-3" (±) 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".
3. For expressways and freeways, mounting height is 7'- 3" (±) 3" or 6'-3" (±) 3" depending upon existence of a sub-sign.
4. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±) 3".
5. Offset distance shall be consistent with existing signs or consistent throughout length of project.
6. Folding signs shall be mounted at a height of 5'-3" (±) 3" or as directd by the Engineer.

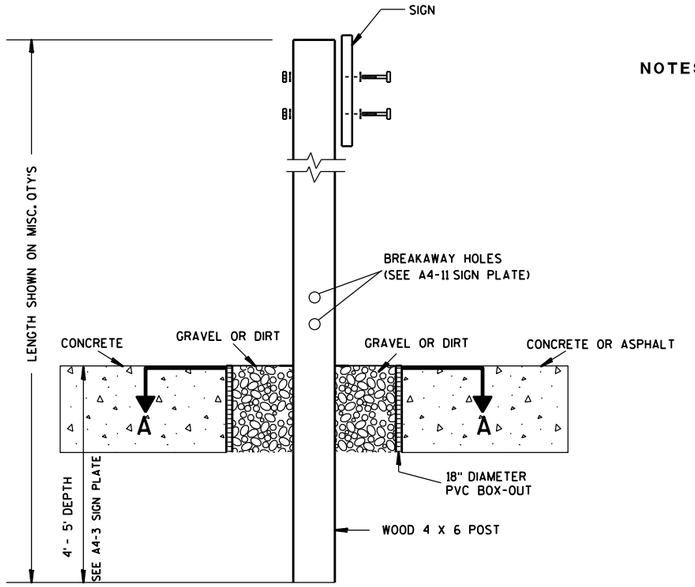
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/6/23 PLATE NO. A4-3.23

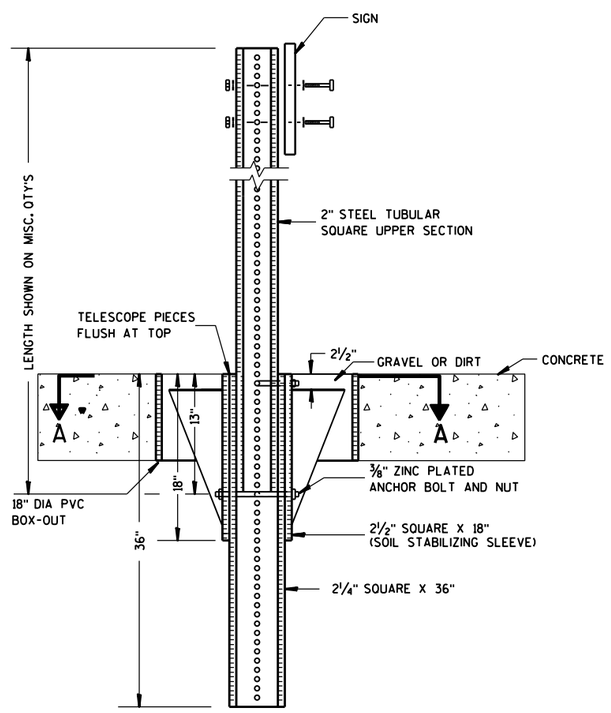
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 114	E



ELEVATION VIEW

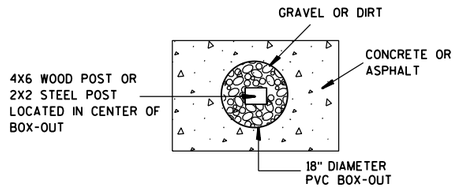
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

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

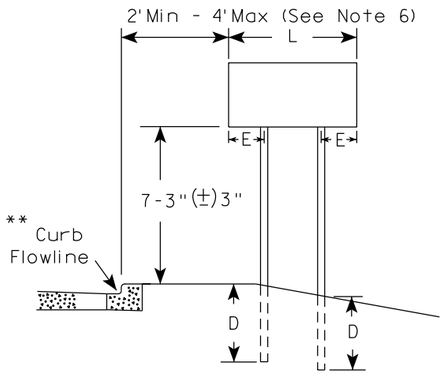
APPROVED Matthew R Rauch
for State Traffic Engineer

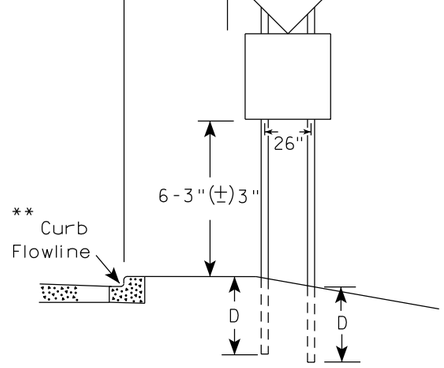
DATE 1/27/14 PLATE NO. A4-3B.1

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

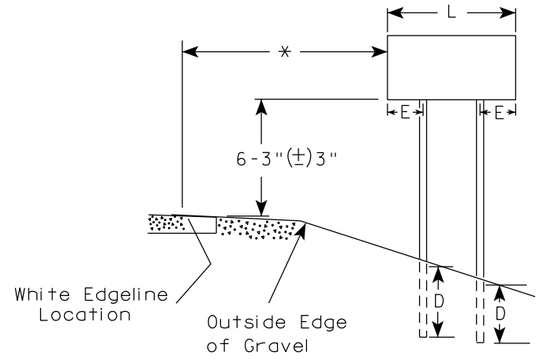
URBAN AREA

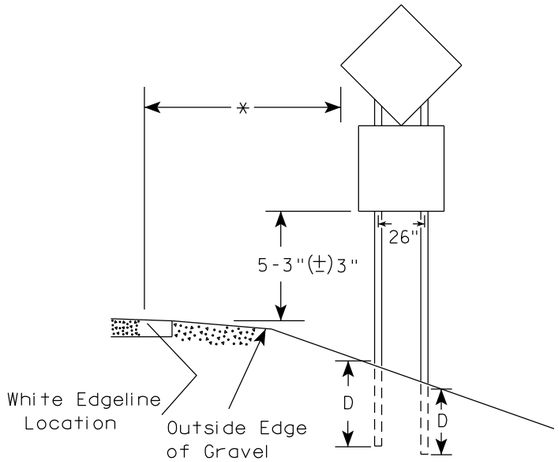




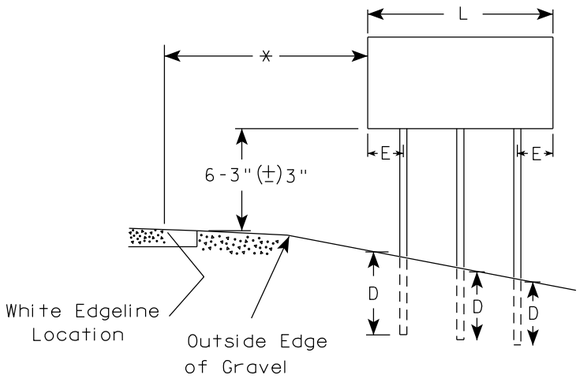
48" DIAMOND WARNING SIGN

RURAL AREA (See Note 3)





48" DIAMOND WARNING SIGN



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" (±) 3" or 6'-3" (±) 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" (±) 3" or as directed by the engineer.
8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±) 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" (±) 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.

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"

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

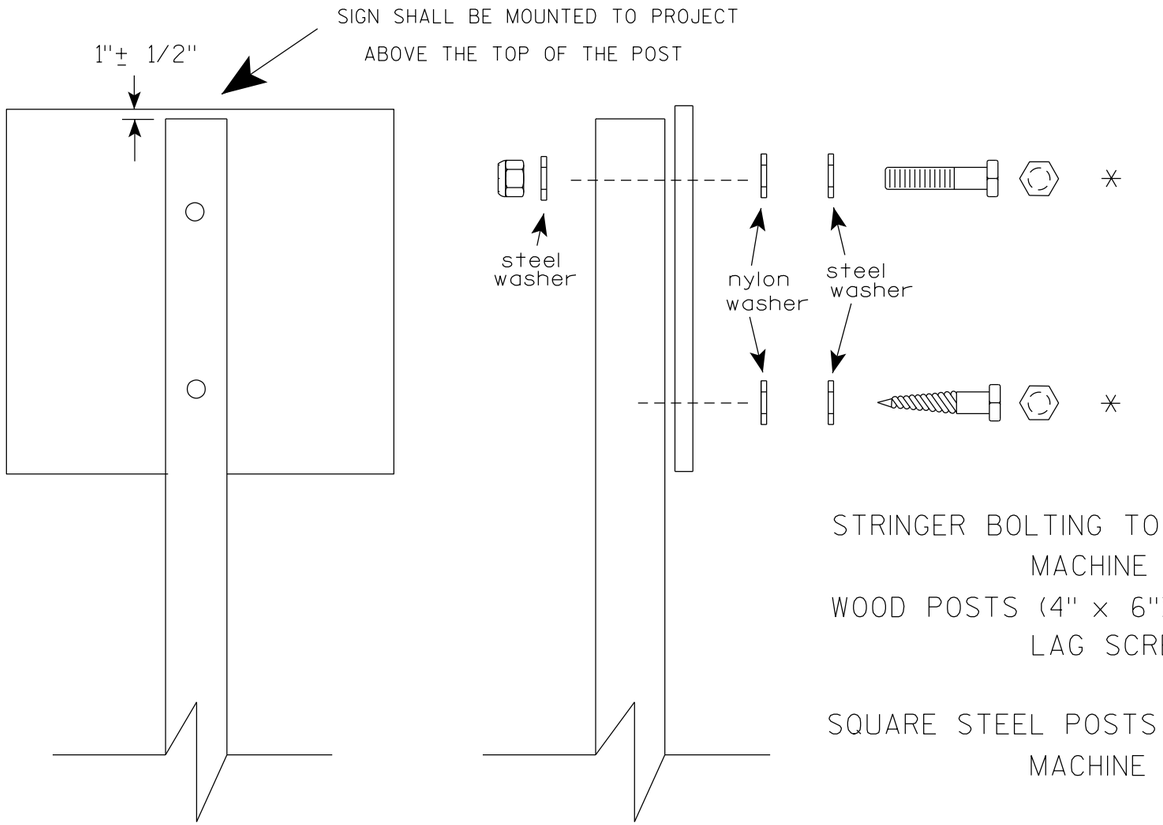
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/6/23 PLATE NO. A4-4.16

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 116	E



Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either :

a. Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3

b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)

MACHINE BOLTS - 5/16" X 1-3/4" Length w/ lock nuts

WOOD POSTS (4" x 6")

LAG SCREWS - 3/8" X 3" (NO STRINGERS ON BACK OF SIGN)
3/8" X 4" (STRINGERS ON BACK OF SIGN)

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN)
3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)

RIVETS - 9/32" (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL
O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL

1-1/4" O.D. X 3/8" I.D. X .080 NYLON

* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS

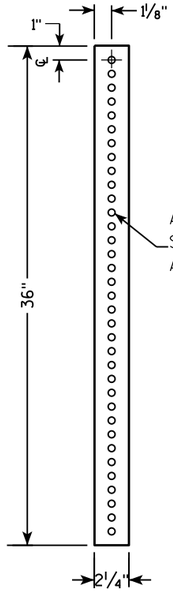
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

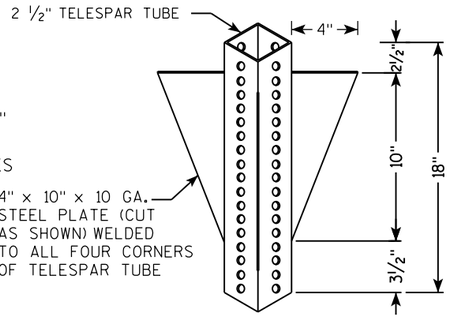
DATE 4/1/2020 PLATE NO. A4-8.9

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

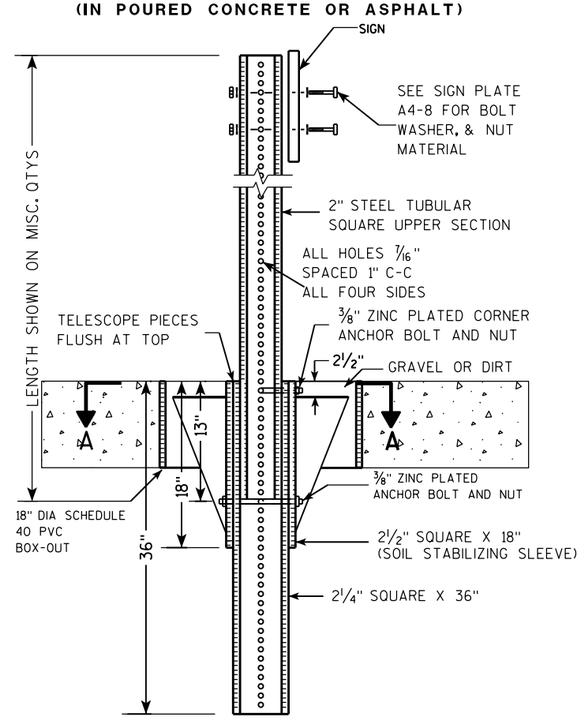
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



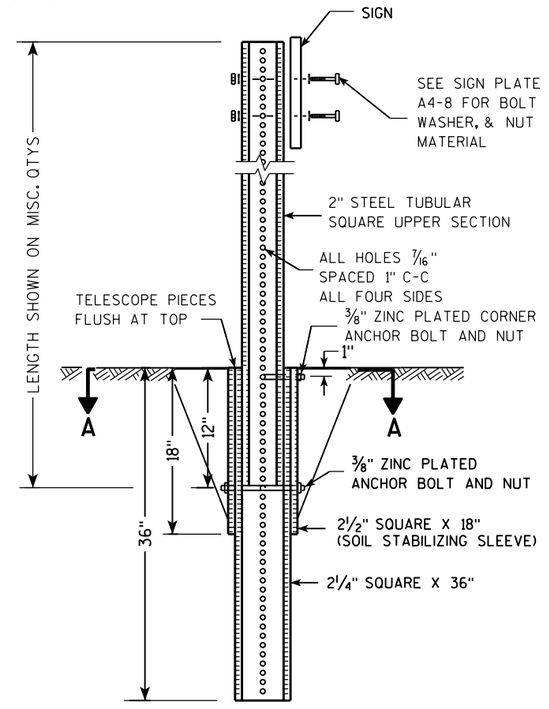
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

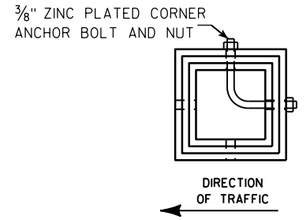


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



DETAIL OF TUBULAR STEEL SIGN POST
(IN LOCATIONS OTHER THAN POURED CONCRETE OR ASPHALT)





SECTION A-A

Area of Sign Installation (Sq. Ft.)	Number of Required Posts
9 or less	1
Greater than 9 less than or equal to 18	2
Greater than 18 less than or equal to 27	3

Signs wider than 3 feet or larger than 9 sq. ft shall be mounted on multiple posts (see above table).

TUBULAR STEEL
SIGN POST
A4-9

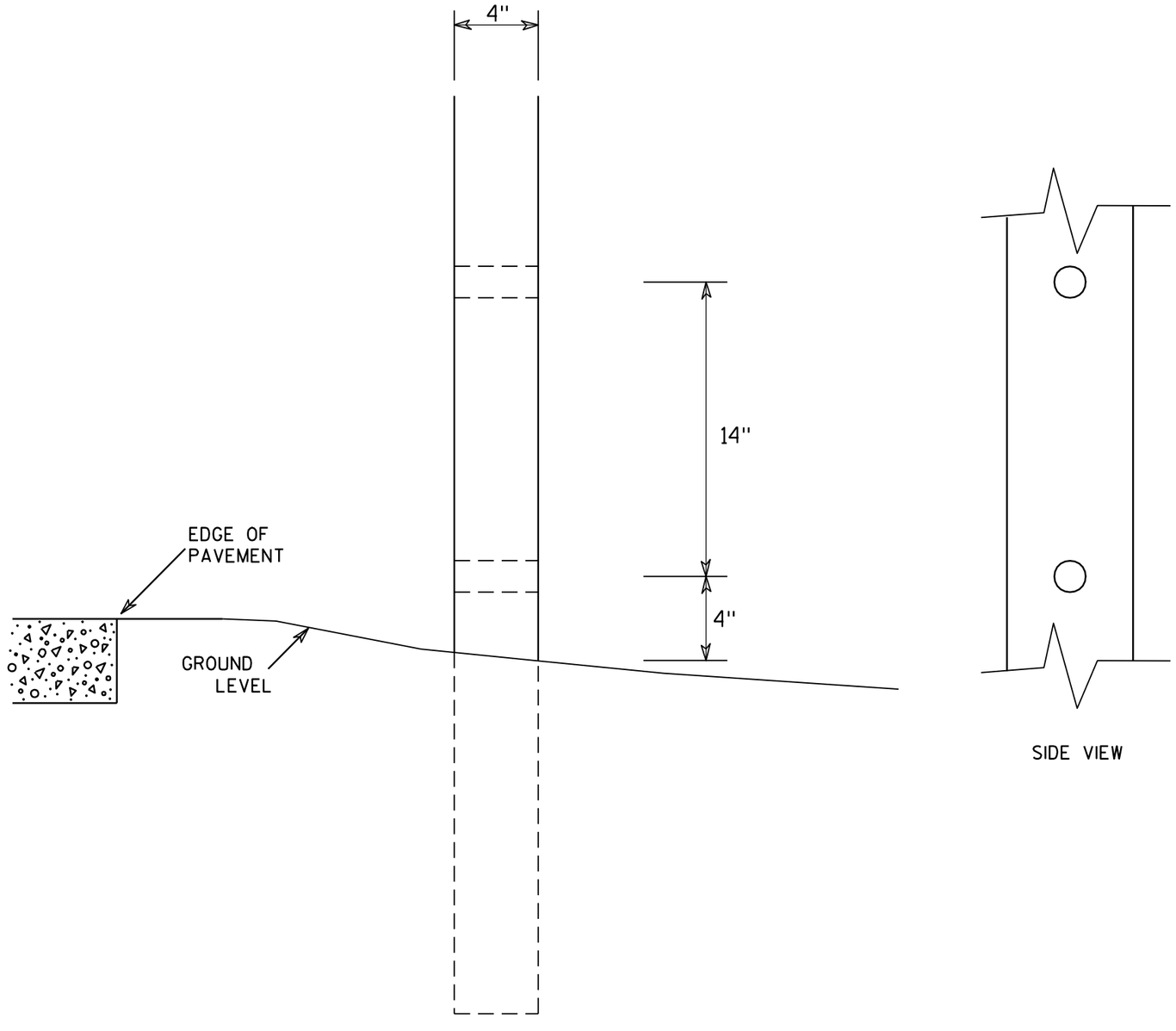
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A49.DGN PLOT DATE : 05-FEB-2015 17:09 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42



SIDE VIEW

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

7

7

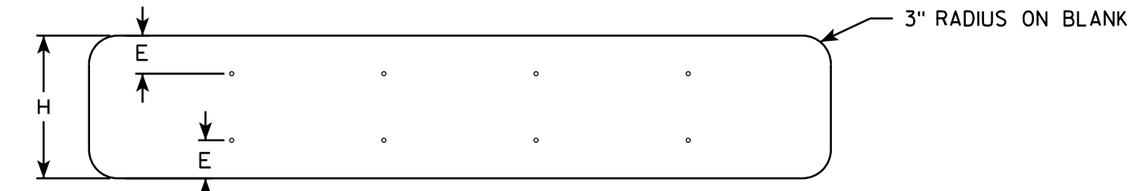
4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

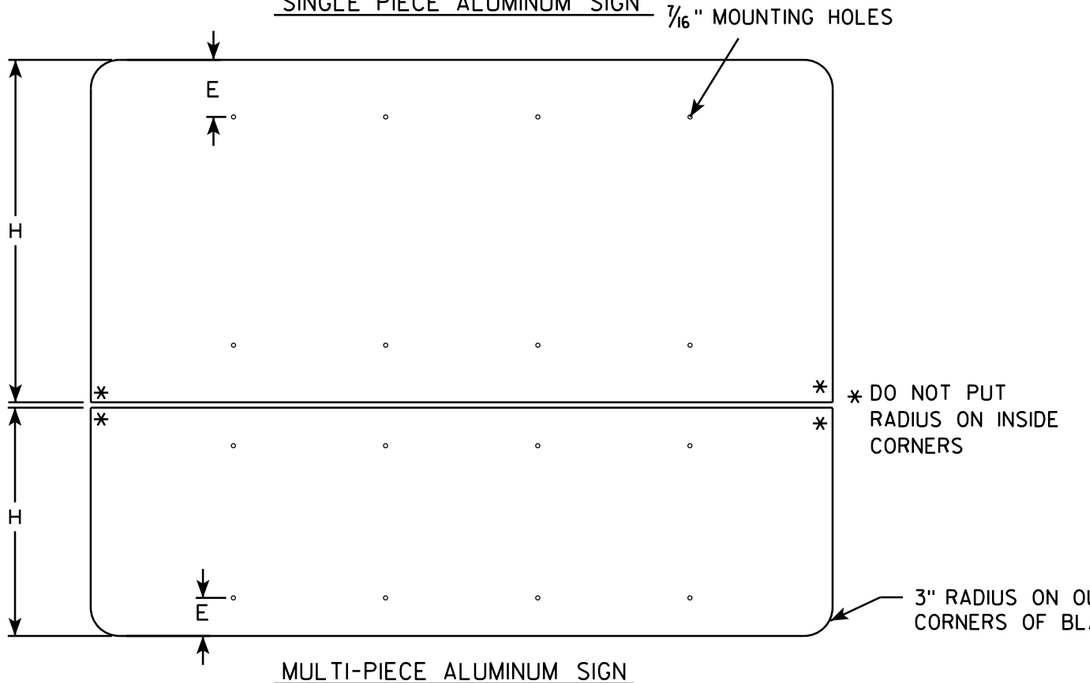
APPROVED Chester J Spang
for State Traffic Engineer

DATE 3/27/97 PLATE NO. A4-11.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 119	E



SINGLE PIECE ALUMINUM SIGN

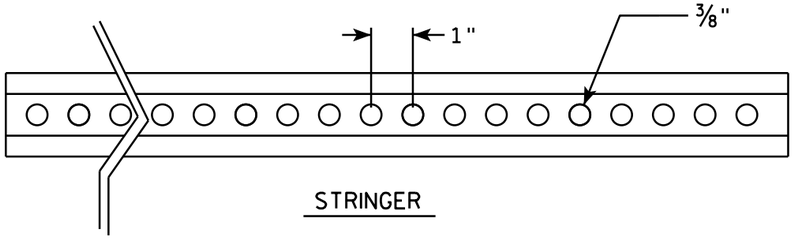


MULTI-PIECE ALUMINUM SIGN

GENERAL NOTES

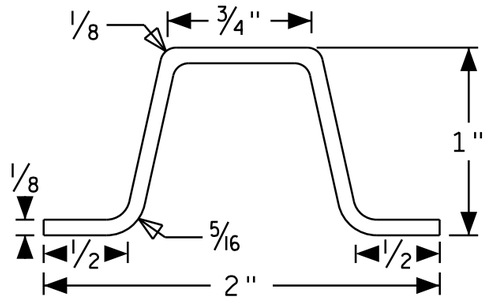
- ALL SIGNS OVER 60" IN WIDTH SHALL HAVE A 3" RADIUS ON THE OUTSIDE CORNERS OF THE ALUMINUM BLANK.
- MOUNTING HOLES SHALL BE 7/16" DIAMETER.
- SEE CHART FOR HOLE SPACING REQUIREMENTS
- FOR SIGN PANELS WITH DIMENSION (H) 36" AND OVER, DIMENSION E SHALL BE 6"
- FOR SIGN PANELS WITH DIMENSION (H) UNDER 36", DIMENSION E SHALL BE 4"
- SIGN STRINGER MATERIAL SHALL CONSIST OF STEEL CHANNEL POST SECTIONS, WEIGHING 1.12 LBS/FT IN ACCORDANCE WITH SECTION 633.2.1 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.
- SEE SIGN PLATE A4-8 FOR SIGN STRINGER BOLTING REQUIREMENTS.

SIGN WIDTH	STRINGER WIDTH	POSTS	HOLE SPACING	MOUNTING HOLES
78"	72"	2	16"	15" 31" 47" 63"
84"	72"	2	17"	16½" 33½" 50½" 67½"
90"	72"	2	18"	18" 36" 54" 72"
96"	90"	2	19"	19½" 38½" 57½" 76½"
102"	90"	2	20"	21" 41" 61" 81"
108"	90"	2	21"	22½" 43½" 64½" 85½"
114"	108"	3	15"	12" 27" 42" 57" 72" 87" 102"
120"	108"	3	16"	12" 28" 44" 60" 76" 92" 108"
126"	108"	3	17"	12" 29" 46" 63" 80" 97" 114"
132"	126"	3	18"	12" 30" 48" 66" 84" 102" 120"
138"	126"	3	19"	12" 31" 50" 69" 88" 107" 126"
144"	126"	3	20"	12" 32" 52" 72" 92" 112" 132"

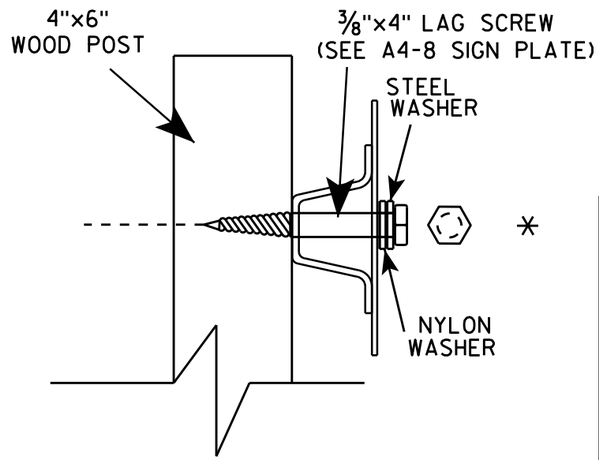


STRINGER

CROSS SECTION VIEW OF CHANNEL



POST MOUNTING



SIGN STRINGER MOUNTING REQUIREMENTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

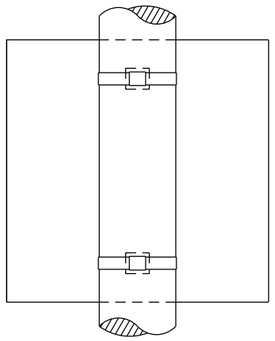
DATE 4/26/16 PLATE NO A4-18.1

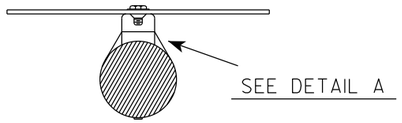
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

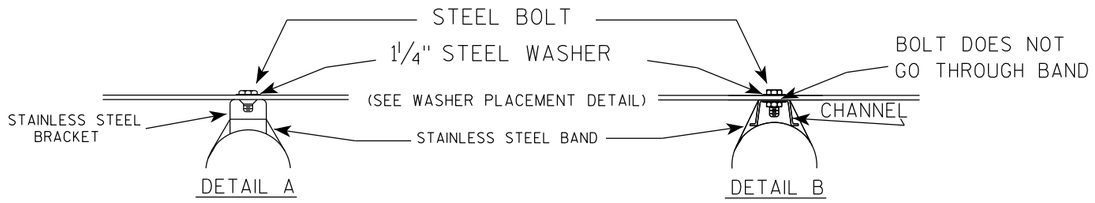
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A418.dgn PLOT DATE : 27-APR-2016 13:56 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 41.805205:1.000000 WISDOT/CADDS SHEET 42

BANDING

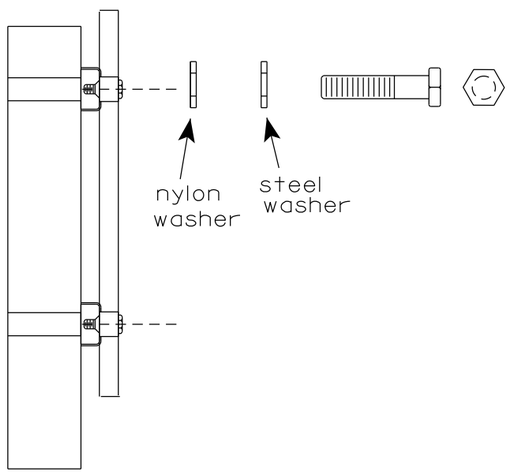
SINGLE SIGN







WASHER PLACEMENT

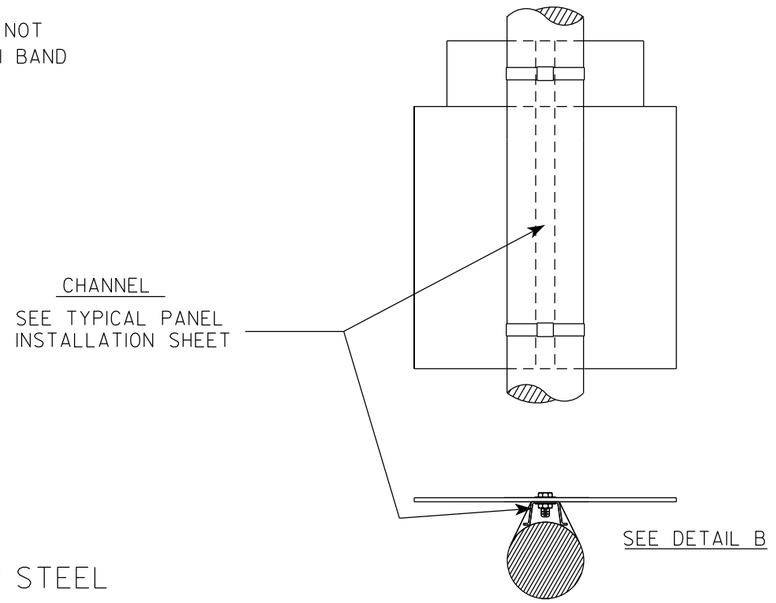


WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

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

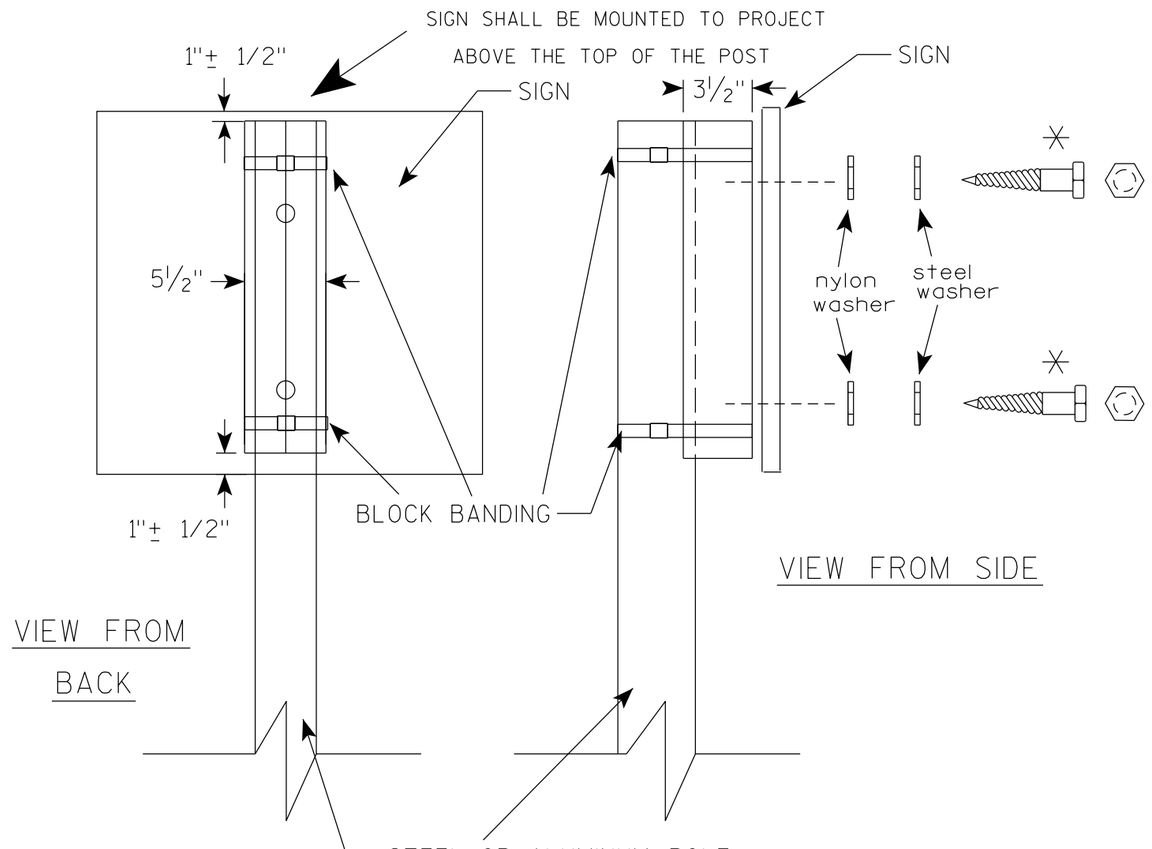
DATE 6/10/19 PLATE NO. A5-9.4

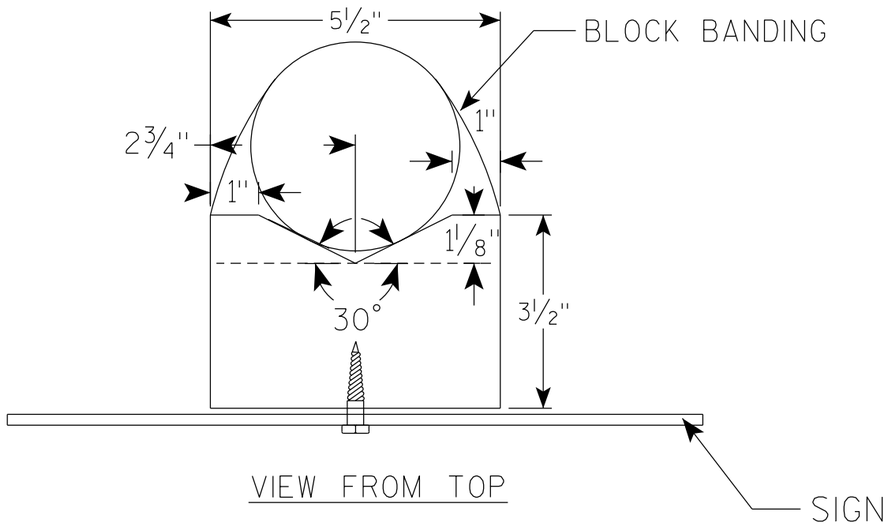
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 121	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A59.dgn PLOT DATE : 10-JUN 2019 4:10 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

7

7





GENERAL NOTES

1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WisDOT STANDARD SPECIFICATIONS
2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, ¾" WIDTH AND 0.025" THICKNESS
3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS. SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3
6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
7. STEEL WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X 1/16"
8. NYLON WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

✳ LAG BOLTS SHALL BE ⅜" X 2½"

BLOCK BANDING DETAIL (V-BLOCK OPTION)

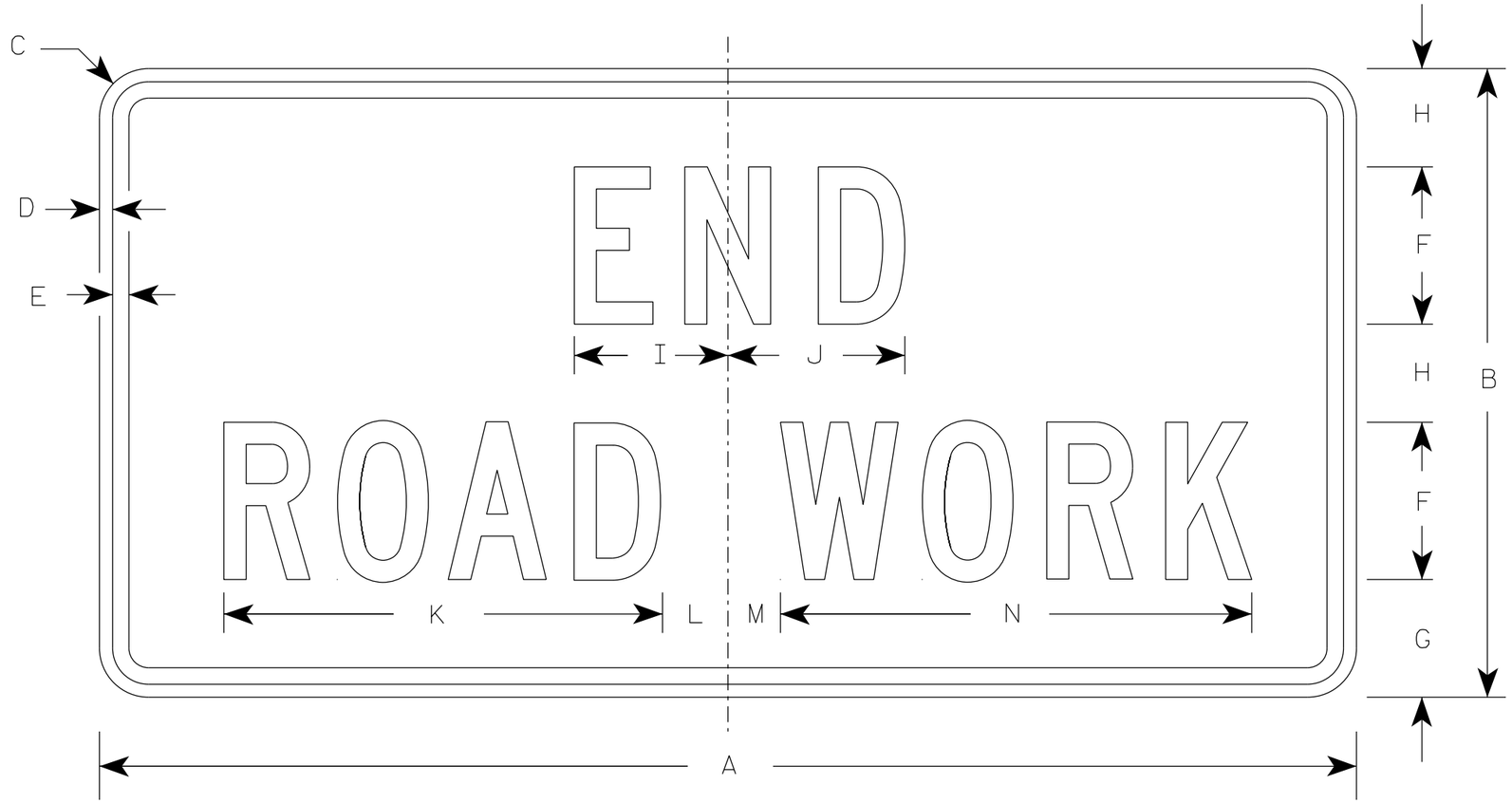
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/19/2022 PLATE NO. A5-10.3

PROJECT NO:

SHEET NO: 122 E



G20-2A

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 1/2	3/8	1/2	4	3 3/4	2 1/2	4 1/8	4 1/8	11 1/8	2	1	12 1/8													4.5
2	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0
2M	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0
3	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0
4	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0
5	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0

STANDARD SIGN

G20-2A

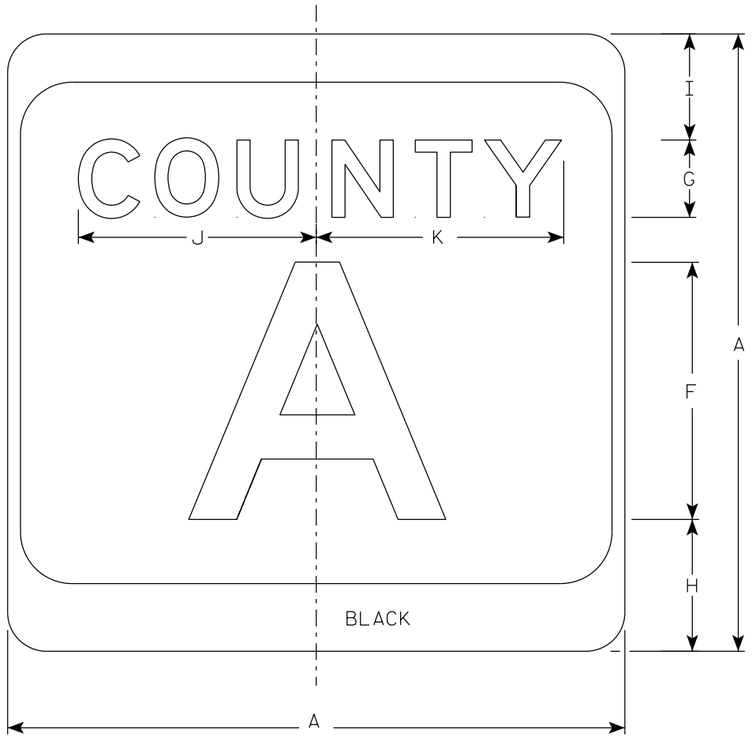
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

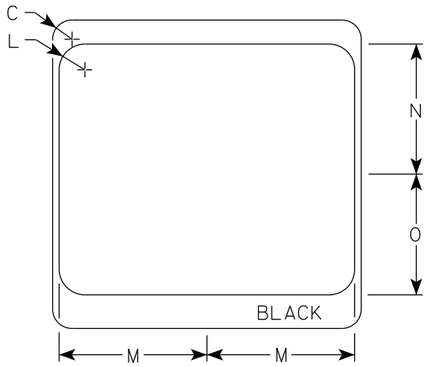
DATE 1/26/2023 PLATE NO. G20-2A.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\G202A.dgn PLOT DATE : 26-JAN 2023 8:27 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

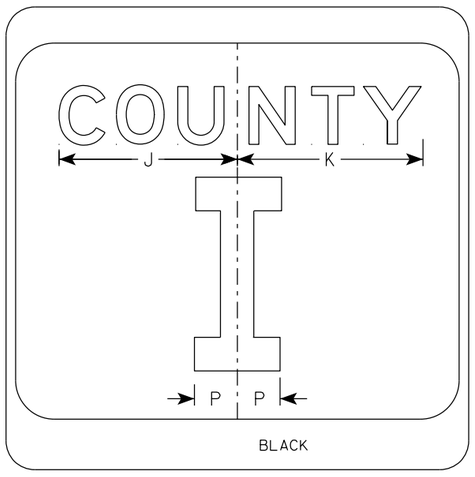


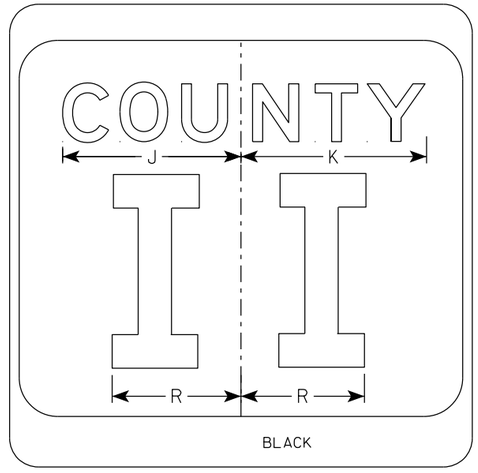
M1-5A



NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White & Black
   Message - Black
3. Message Series - see Note 4
4. Message Series E for 1 letter.
   Message Series D for 2 letters unless message is too big then Series C.
   Message Series C for 3 letters unless message is too big then Series B.
5. Substitute appropriate letters & optically center to achieve proper balance.





SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			10	3	5 1/8	4 1/8	9 1/4	9 5/8	2	11 1/2	10 1/8	9 3/8	2 1/4		6 5/8									4.0
2M	24		1 1/2			10	3	5 1/8	4 1/8	9 1/4	9 5/8	2	11 1/2	10 1/8	9 3/8	2 1/4		6 5/8									4.0
3	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
4	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
5	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0

CTH MARKER
M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

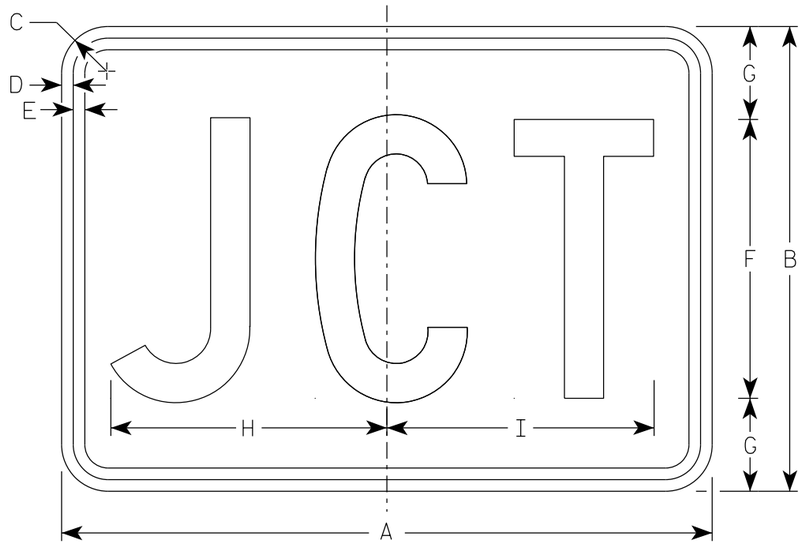
DATE 11/8/2022 PLATE NO. M1-5A.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

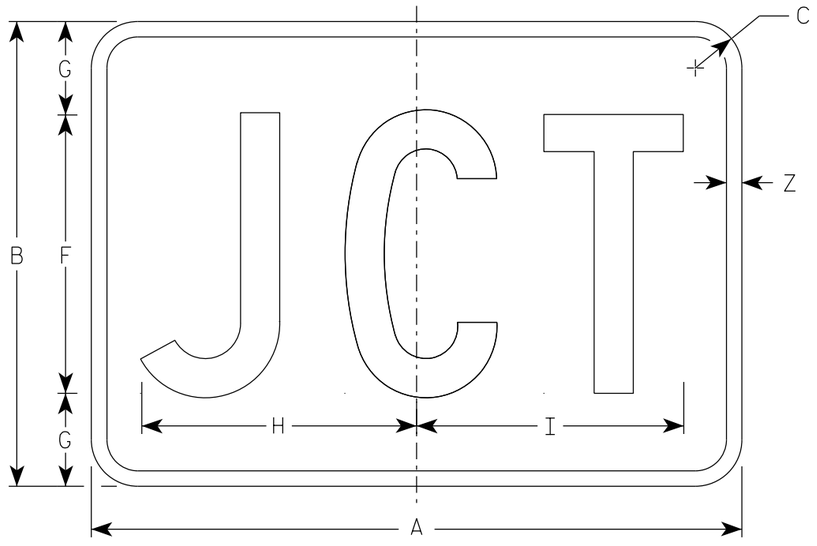
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M15A.dgn PLOT DATE : 8-NOV 2022 8:26 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

7

7



M2-1
MM2-1
MP2-1



MB2-1
MK2-1
MN2-1
MR2-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. M2-1 Background - White
   Message - Black
   MB2-1 Background - Blue
   Message - White
   MK2-1 Background - Green
   Message - White
   MM2-1 Background - White
   Message - Green
   MN2-1 Background - Brown
   Message - White
   MP2-1 Background - White
   Message - Blue
   MR2-1 Background - Brown
   Message - Yellow

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	21	15	1 1/2	3/8	3/8	9	3	8 7/8	8 5/8																	1/2	2.20
2M	21	15	1 1/2	3/8	3/8	9	3	8 7/8	8 5/8																	1/2	2.20
3	30	21	1 1/2	3/8	3/8	13	4	12 7/8	12 3/8																	1/2	4.40
4	30	21	1 1/2	3/8	3/8	13	4	12 7/8	12 3/8																	1/2	4.40
5	30	21	1 1/2	3/8	3/8	13	4	12 7/8	12 3/8																	1/2	4.40

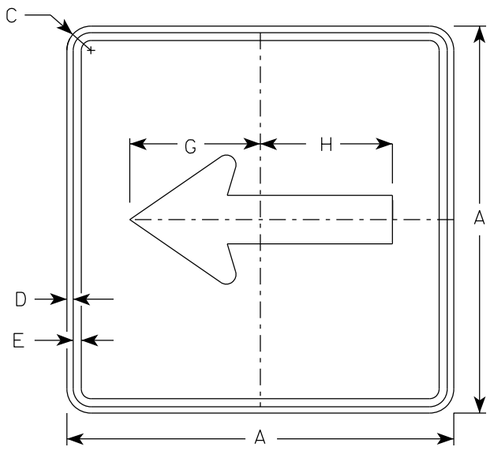
STANDARD SIGN
M2-1

WISCONSIN DEPT OF TRANSPORTATION

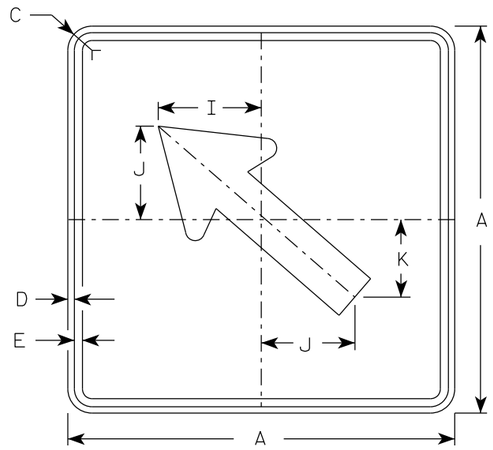
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/8/2023 PLATE NO. M2-1.14

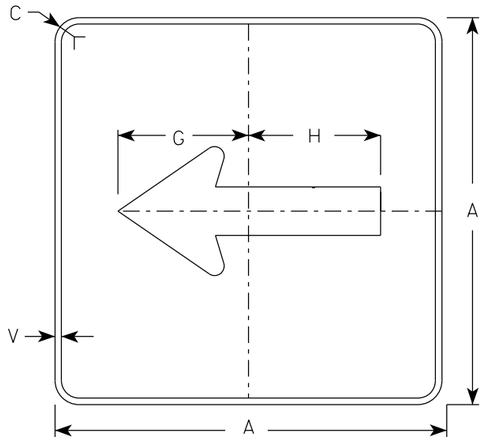
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 125 | E



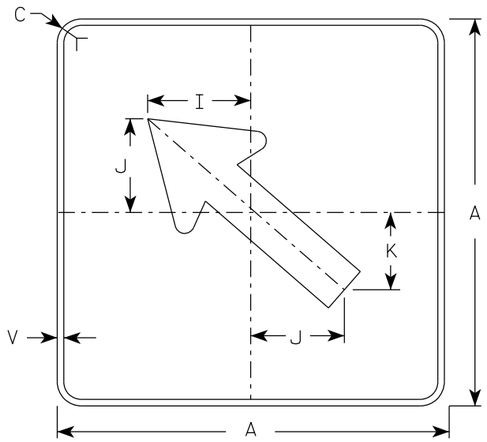
M6-1
MM6-1
MO6-1
MP6-1



M6-2
MM6-2
MO6-2
MP6-2



MB6-1
MK6-1
MN6-1
MR6-1

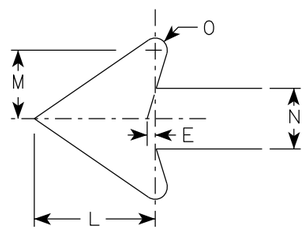


MB6-2
MK6-2
MN6-2
MR6-2

NOTES

1. Signs are Type II - Type H Reflective except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - White
   Message - Black
   MB6-1 and MB6-2 Background - Blue
   Message - White
   MK6-1 and MK6-2 Background - Green
   Message - White
   MM6-1 and MM6-2 Background - White
   Message - Green
   MN6-1 and MN6-2 Background - Brown
   Message - White
   MO6-1 and MO6-2 Background - Orange - Type F Reflective
   Message - Black
   MP6-1 and MP6-2 Background - White
   Message - Blue
   MR6-1 and MR6-2 Background - Brown
   Message - Yellow

ARROW DETAIL



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	21		1 1/2	3/8	3/8		7 1/2	7 1/8	5 5/8	5	4 1/4	5 1/4	3	2 5/8	1/2							1/2					3.06
2M	21		1 1/2	3/8	3/8		7 1/2	7 1/8	5 5/8	5	4 1/4	5 1/4	3	2 5/8	1/2							1/2					3.06
3	30		1 7/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4							1/2					6.25
4	30		1 7/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4							1/2					6.25
5	30		1 7/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4							1/2					6.25

STANDARD SIGN
M6-1 & M6-2
SERIES

WISCONSIN DEPT OF TRANSPORTATION

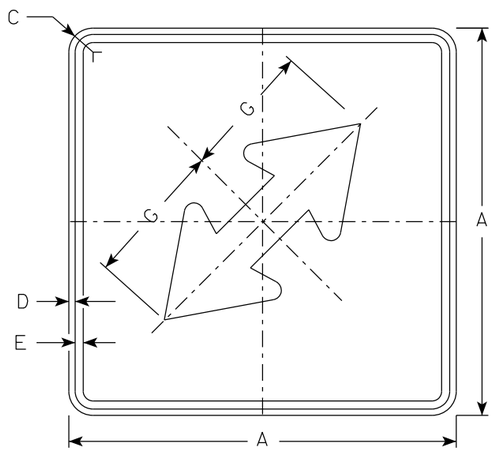
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/13/2023 PLATE NO. M6-1.16

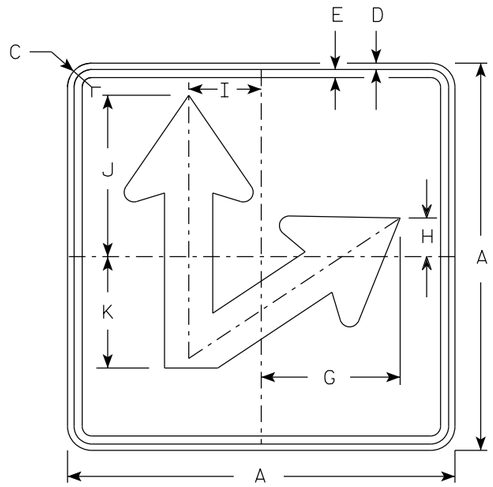
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 126 | E

7

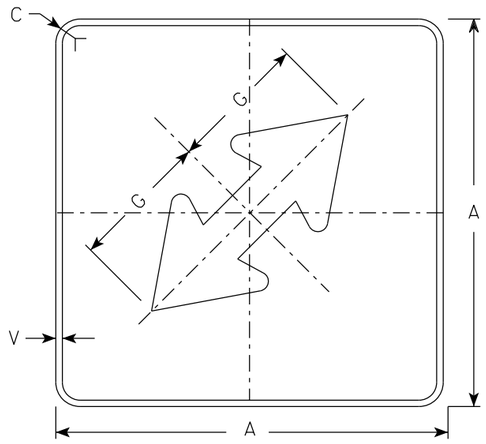
7



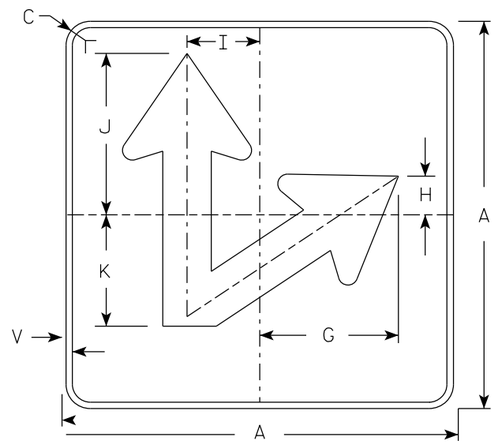
M6-5
MM6-5
MO6-5
MP6-5



M6-7R
MM6-7R
MO6-7R
MP6-7R



MB6-5
MK6-5
MN6-5
MR6-5



MB6-7R
MK6-7R
MN6-7R
MR6-7R

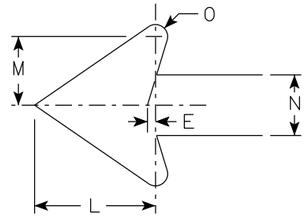
NOTES

1. Sign is Type II - Type H Reflective except as Shown
2. Color:

M6-5	and	M6-7	Background - White Message - Black
MB6-5	and	MB6-7	Background - Blue Message - White
MK6-5	and	MK6-7	Background - Green Message - White
MM6-5	and	MM6-7	Background - White Message - Green
MN6-5	and	MN6-7	Background - Brown Message - White
MO6-5	and	MO6-7	Background - Orange - Type F Reflective Message - Black
MP6-5	and	MP6-7	Background - White Message - Blue
MR6-5	and	MR6-7	Background - Brown Message - Yellow

3. M6-7L same as M6-7R except arrow points ahead and left.

ARROW DETAIL



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	21		1 1/2	3/8	3/8		7 1/2	2 1/8	4 1/4	8 3/4	6	5 1/4	3	2 5/8	1/2							1/2					3.06
2M	21		1 1/2	3/8	3/8		7 1/2	2 1/8	4 1/4	8 3/4	6	5 1/4	3	2 5/8	1/2							1/2					3.06
3	30		1 7/8	1/2	5/8		10 3/4	3	6 3/4	12 1/2	8 5/8	7 1/2	4 1/4	3 3/4	3/4							1/2					6.25
4	30		1 7/8	1/2	5/8		10 3/4	3	6 3/4	12 1/2	8 5/8	7 1/2	4 1/4	3 3/4	3/4							1/2					6.25
5	30		1 7/8	1/2	5/8		10 3/4	3	6 3/4	12 1/2	8 5/8	7 1/2	4 1/4	3 3/4	3/4							1/2					6.25

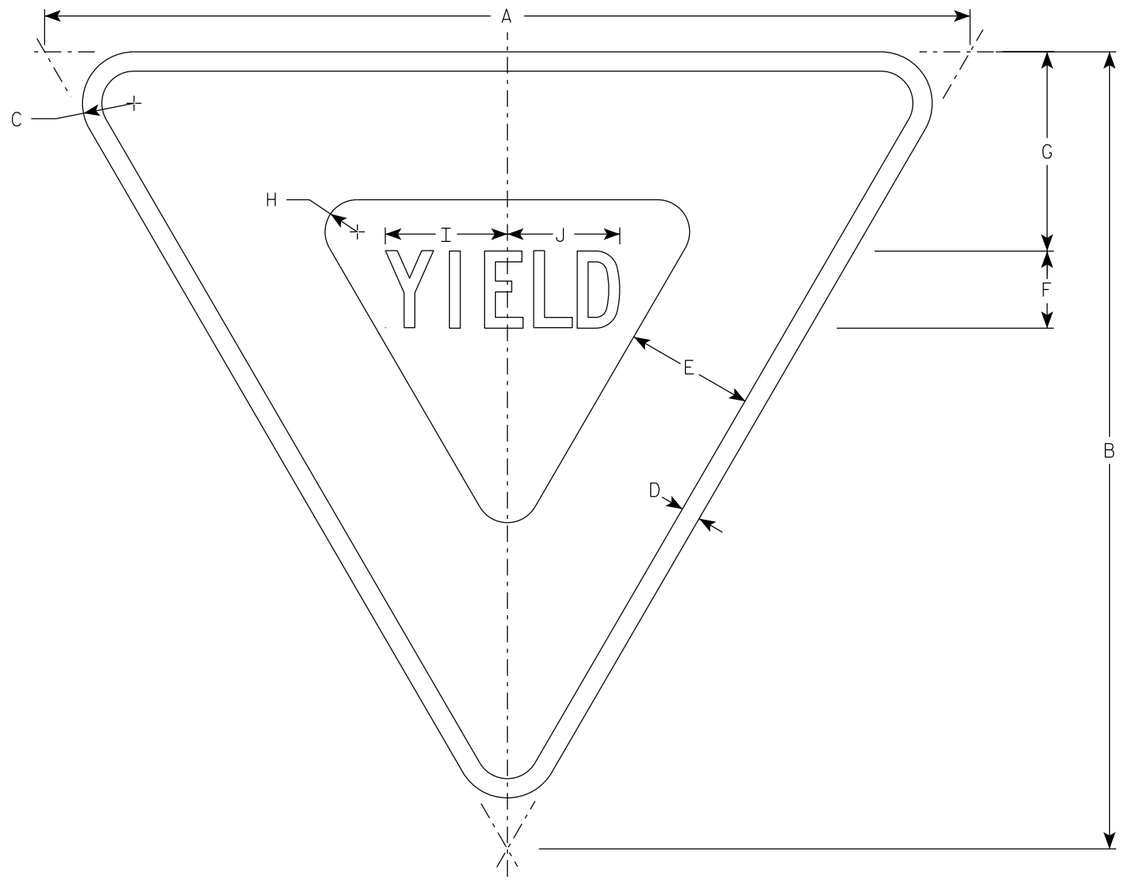
STANDARD SIGN
M6-5 & M6-7
SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/13/2023 PLATE NO. M6-7.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 127 | E



R1-2

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - See note 4
3. Message Series - C
4. The border strip and word message are reflectorized red.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30	26	2	5/8	4	2 1/2	6 3/8	7/8	4	3 5/8																	2.71
2S	36	31	2	3/4	5	3	7 3/4	1 1/4	4 3/4	4 3/8																	3.88
2M	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
3	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
4	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
5	60	52	3	1 1/2	8	5	13	2 1/2	7 7/8	7 1/4																	10.83
6																											
7	18	15 1/2	1	3/8	2 1/2	1 1/2	3 7/8	5/8	2 3/8	2 1/4																	0.97

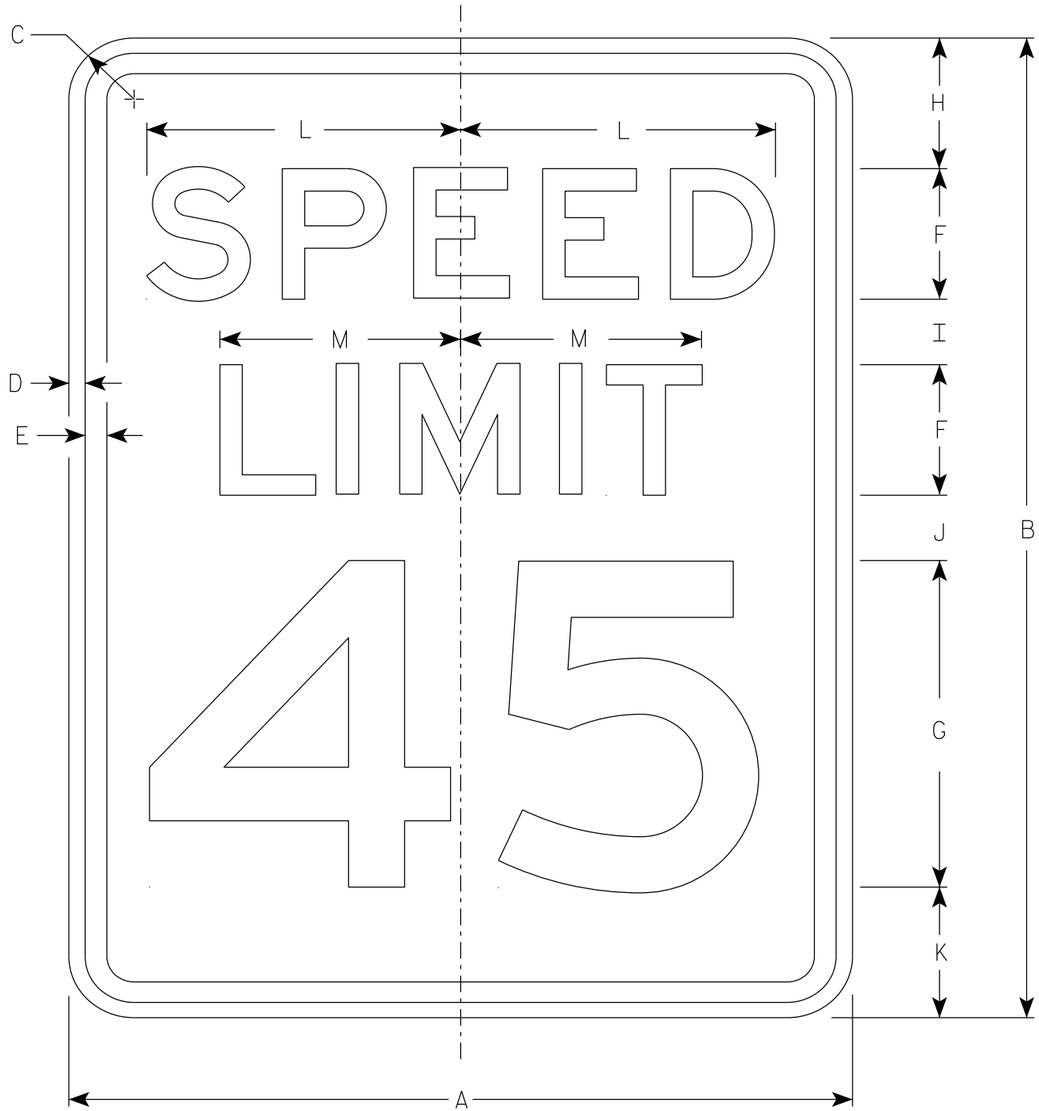
STANDARD SIGN
R1-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/10/2024 PLATE NO. R1-2.13

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 128	E



R2-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/2	3/8	1/2	3	8	3	2	2	3	7 1/4	5 1/2														3.0
2S	24	30	1 1/2	3/8	1/2	4	10	3	2 1/4	3 3/8	3 3/8	9 5/8	7 3/8														5.0
2M	30	36	1 7/8	1/2	5/8	5	12	5	2 1/2	2 1/2	4	12	9 1/4														7.5
3	36	48	1 7/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
4	36	48	1 7/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
5	48	60	3	3/4	1	8	20	6	4 1/2	6 3/4	6 3/4	19 1/4	14 5/8														20.0

STANDARD SIGN
R2-1

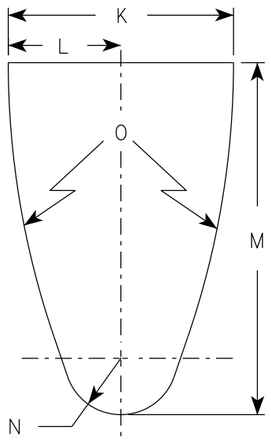
WISCONSIN DEPT OF TRANSPORTATION

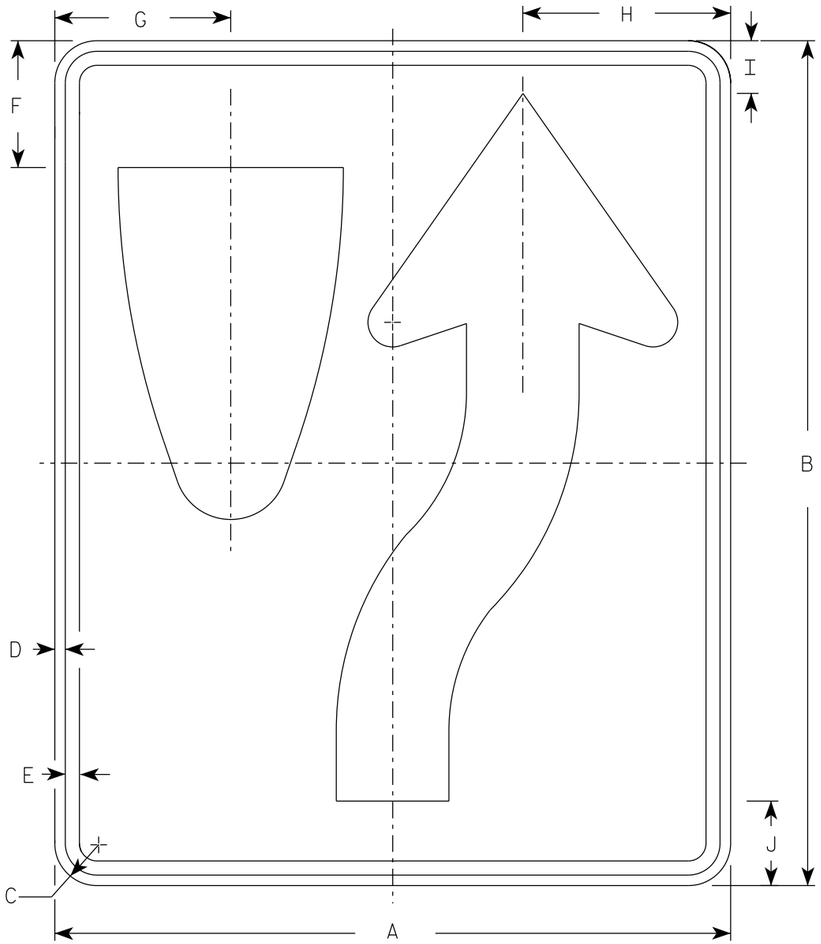
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/1/23 PLATE NO. R2-1.14

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 129 | E

DIVIDER DETAIL



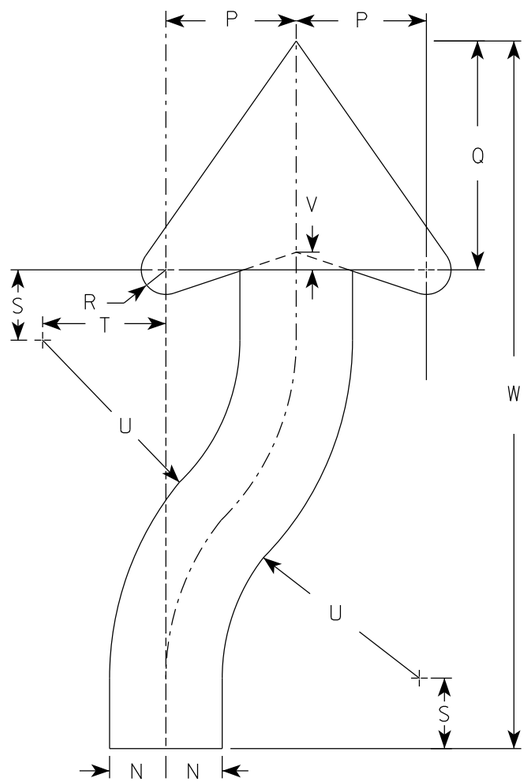


R4-7

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. R4-8 is the same as R4-7 except Legend is reversed.

ARROW DETAIL



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/2	3/8	1/2	3 3/8	4 3/4	5 1/2	1 3/8	2 1/4	6	3	9 3/8	1 1/2	22 1/2	3 1/2	6 1/8	5/8	1 7/8	3 1/4	6 3/4	1/2	20 3/8				3.0
2S	24	30	1 1/2	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
2M	24	30	1 1/2	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
3	36	48	1 7/8	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
4	36	48	1 7/8	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
5	48	60	3	3/4	1	9	12 1/2	14 3/4	3 3/4	6	16	8	25	4	60	9 1/4	16 1/4	1 5/8	5	8 3/4	18	1 1/4	50 1/4				20.0

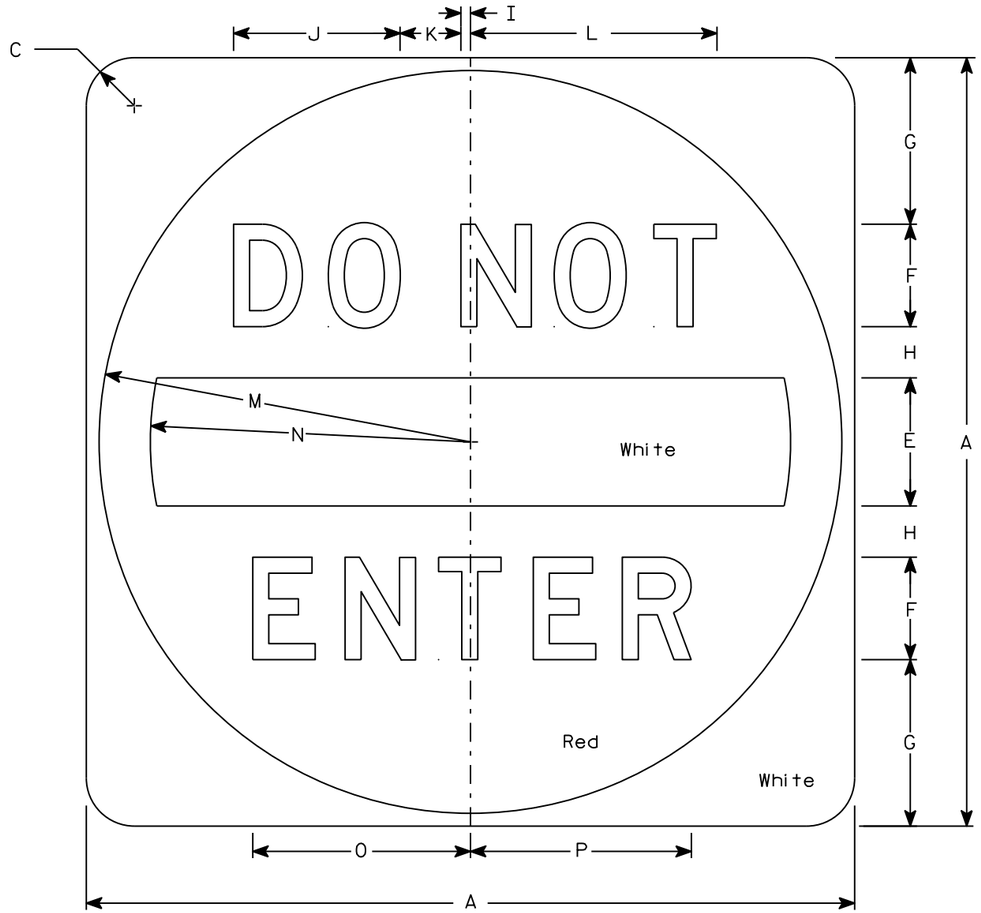
STANDARD SIGN
R4-7 & R4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 8/17/23 PLATE NO. R4-7.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 130	E



R5-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - See detail
   Message - White
3. Message Series - D

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30		1 7/8		5	4	6 1/2	2	3/8	6 1/2	2 3/8	9 5/8	14 1/2	12 1/2	8 1/2	8 5/8											6.25
2M	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
3	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
4	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
5	48		3		8	6	11	3	5/8	9 3/4	3 5/8	14 1/2	23 1/2	20	12 3/4	12 7/8											16.0

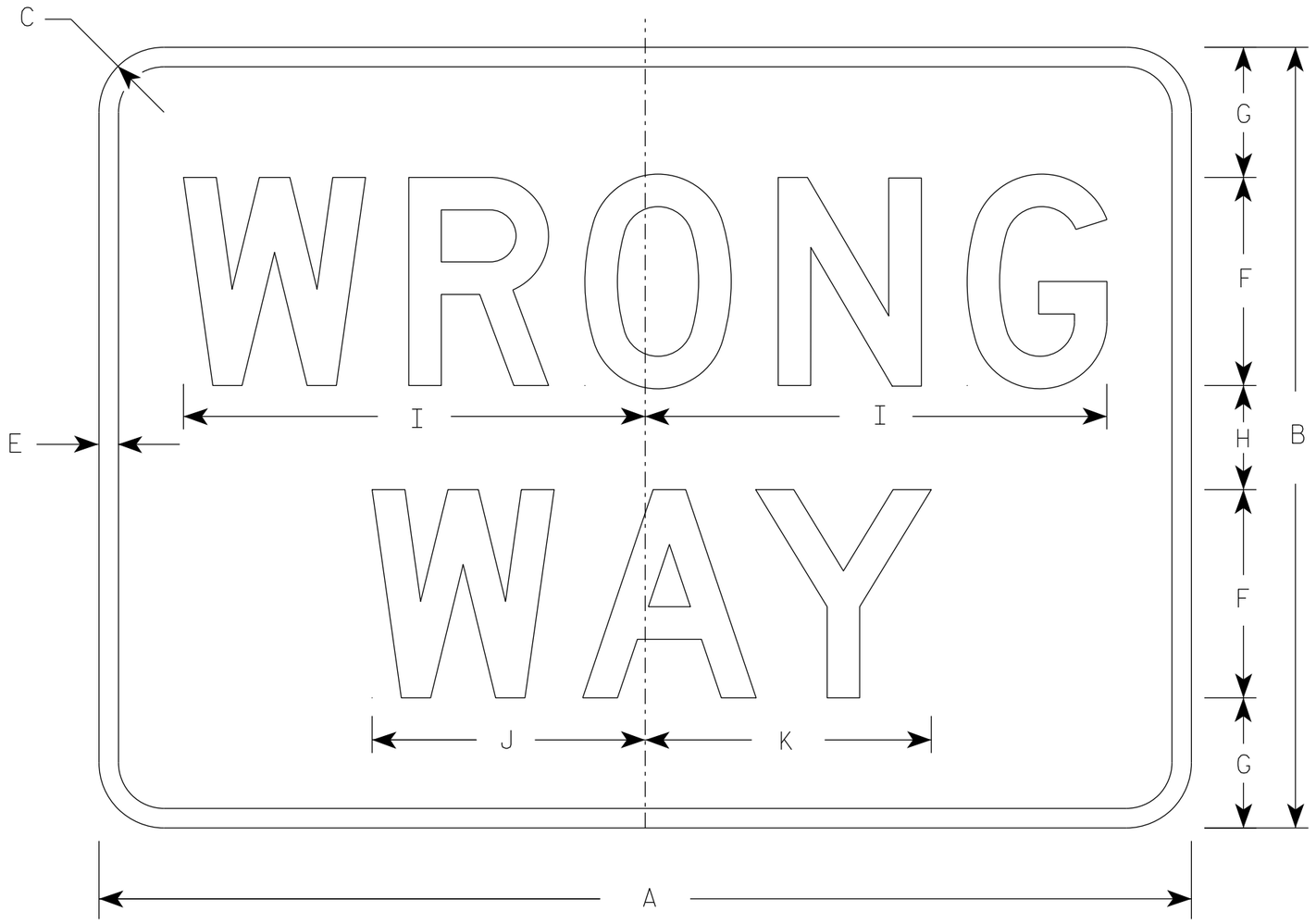
STANDARD SIGN
R5-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/15/18 PLATE NO. R5-1.16

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 131 | E



R5-1A

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - Red
   Message - White
3. Message Series - D

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30	18	1 1/2		1/2	5	3	2	11	6 1/2	6 7/8																3.75
2S	36	24	1 1/2		5/8	6	4 1/2	3	13 1/4	7 7/8	8 1/4																6.00
2M	42	30	1 7/8		3/4	8	5	4	17 3/4	10 1/2	11																8.75
3	42	30	1 7/8		3/4	8	5	4	17 3/4	10 1/2	11																8.75
4	42	30	1 7/8		3/4	8	5	4	17 3/4	10 1/2	11																8.75
5	42	30	1 7/8		3/4	8	5	4	17 3/4	10 1/2	11																8.75

STANDARD SIGN
R5-1A

WISCONSIN DEPT OF TRANSPORTATION

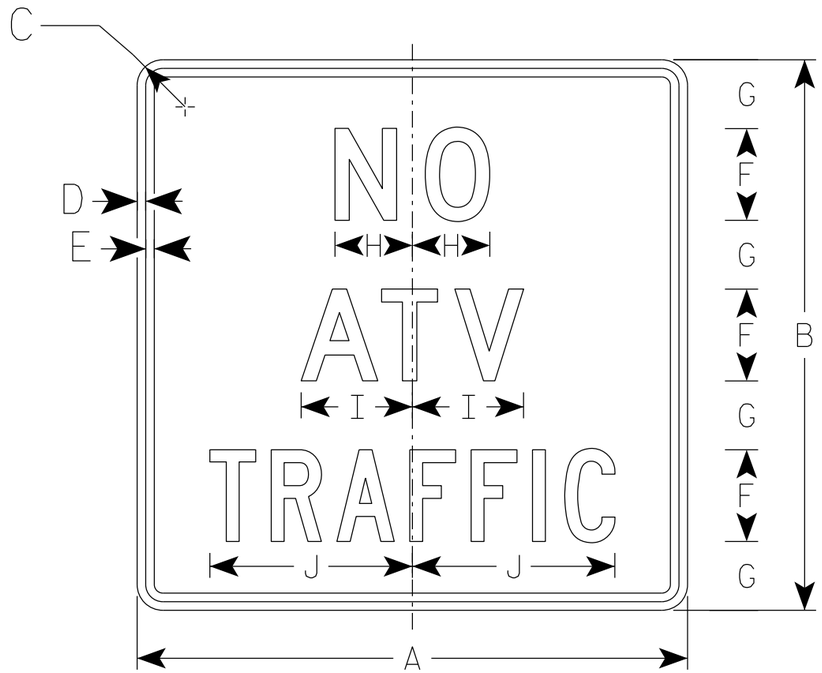
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/17/23 PLATE NO. R5-1A.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 132 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color: Background - White
   Message - Black
3. Message Series - Line 1 and 2 Series D
   Line 3 Series C



R5-51

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	24	1 1/2	3/8	3/8	4	3	3 3/8	4 7/8	8 7/8																	4.0
2M	24	24	1 1/2	3/8	3/8	4	3	3 3/8	4 7/8	8 7/8																	4.0
3																											
4																											
5																											

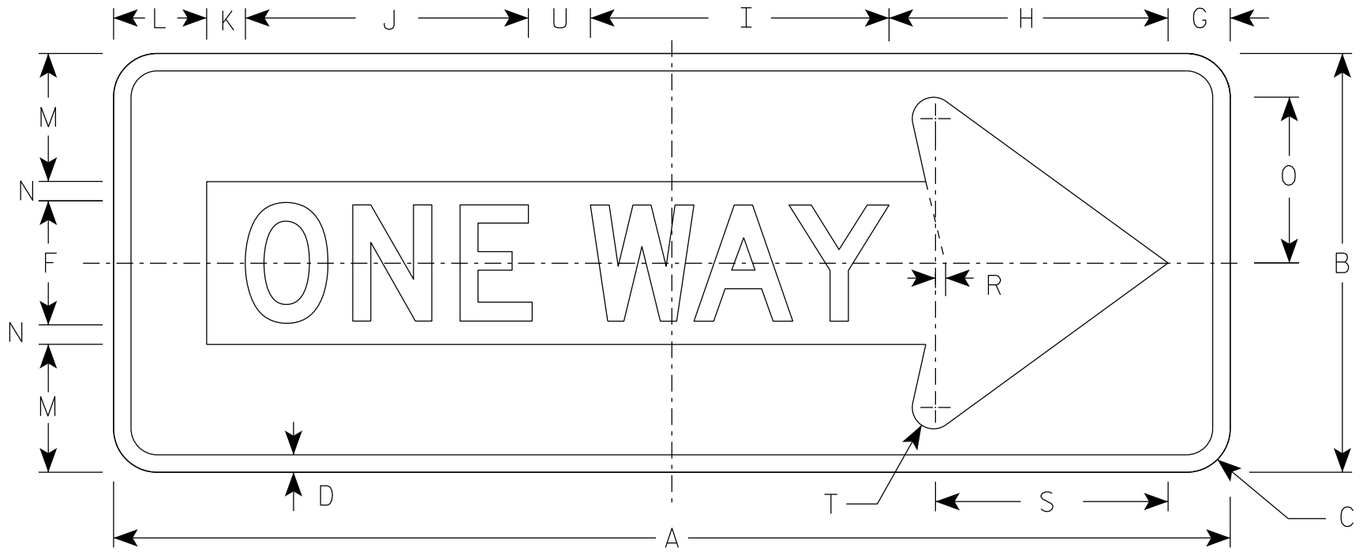
STANDARD SIGN
R5-51

WISCONSIN DEPT OF TRANSPORTATION

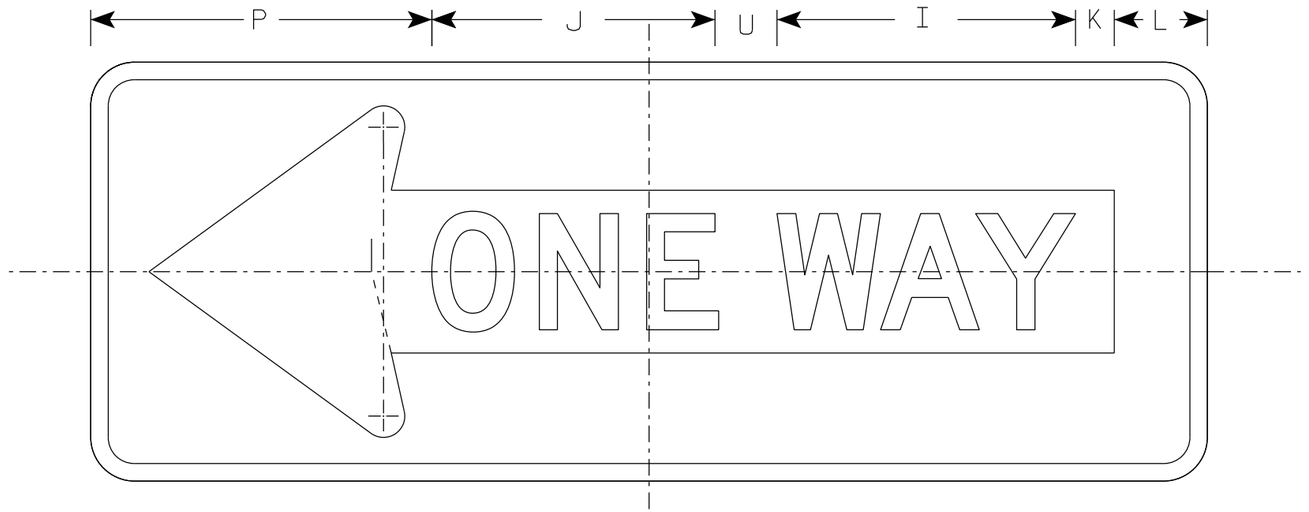
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/17/23 PLATE NO. R5-51.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 133	E



R6-1R



R6-1L

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - Black
   Message - Black Legend & White Arrow & Border
3. Message Series - D

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	36	12	1 ½	½		4	2	7 ½	9 ⅝	9 ⅛	1 ¼	3	3 ⅜	⅝	4 ⅜	11		⅜	7 ½	¾	2						3.0
2M	48	18	1 ⅞	¾		5	2 ½	11	13	12 ¼	2 ¾	3 ½	5 ½	1	7 ⅛	13 ½		½	10 ⅛	⅞	3						6.0
3	48	18	1 ⅞	¾		5	2 ½	11	13	12 ¼	2 ¾	3 ½	5 ½	1	7 ⅛	13 ½		½	10 ⅛	⅞	3						6.0
4	48	18	1 ⅞	¾		5	2 ½	11	13	12 ¼	2 ¾	3 ½	5 ½	1	7 ⅛	13 ½		½	10 ⅛	⅞	3						6.0
5																											

STANDARD SIGN
R6-1 L&R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/7/2025 PLATE NO. R6-1.5

PROJECT NO:

SHEET NO: 134 E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R61.dgn PLOT DATE : 7-APR 2025 1:18 PLOT BY : dotc4c

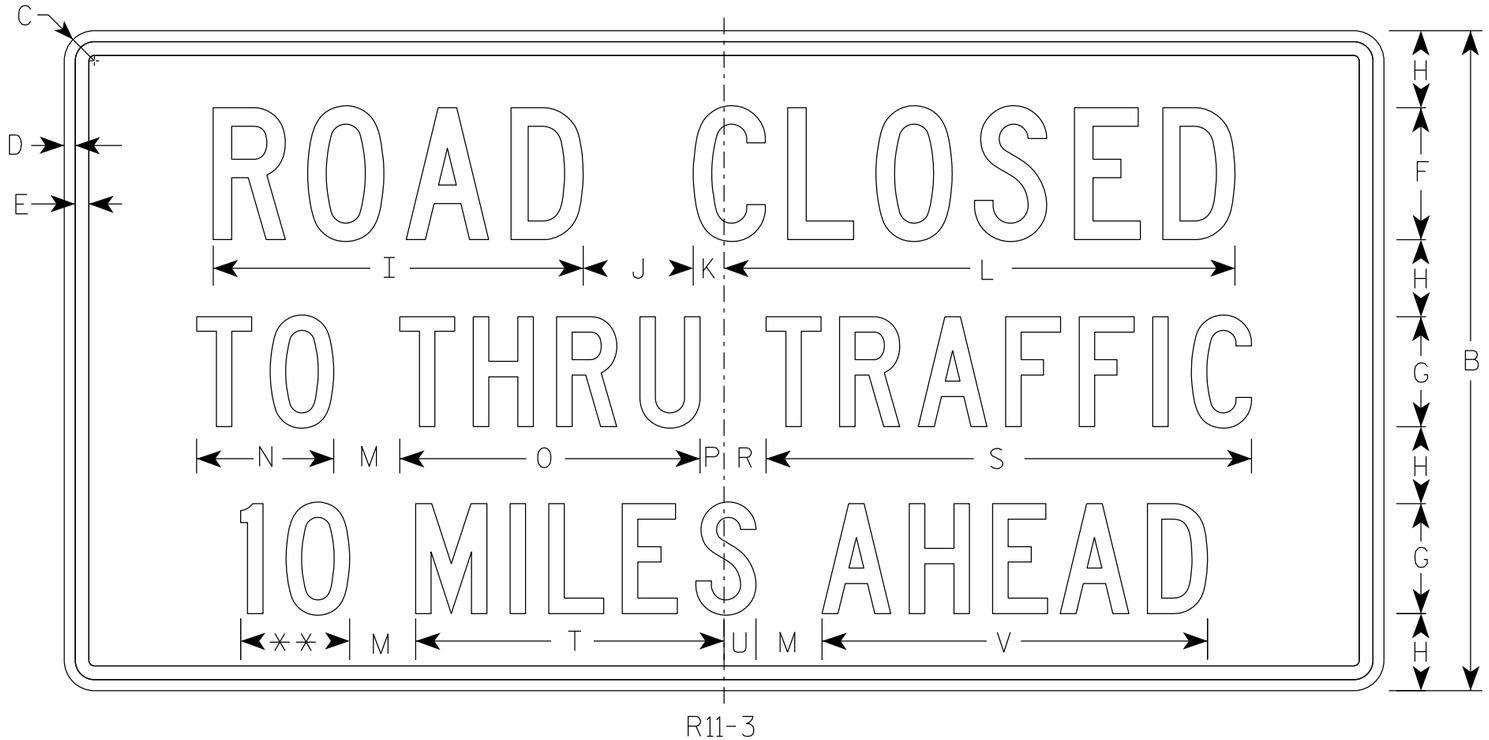
WISDOT/CADDS SHEET 42

7

7

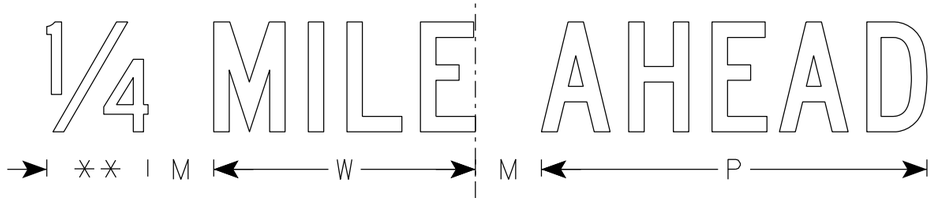
NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals to nearest quarter mile and optically adjust spacing to achieve proper balance.



R11-3

** See Note 5



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 1/2	3/8	3/8	4	3	2	11 1/4	3	1 1/8	15 3/8	2	3 3/4	8 1/4	5/8		1 3/8	13 1/4	8 3/8	7/8	10 1/2	7 1/8				4.5
2S	60	30	1 7/8	1/2	5/8	6	5	3 1/2	16 7/8	5	1 3/8	23 1/4	3	6 1/4	13 5/8	1 1/8		1 7/8	22 1/8	14	1 1/2	17 1/2	11 7/8				12.5
2M	60	30	1 7/8	1/2	5/8	6	5	3 1/2	16 7/8	5	1 3/8	23 1/4	3	6 1/4	13 5/8	1 1/8		1 7/8	22 1/8	14	1 1/2	17 1/2	11 7/8				12.5
3																											
4																											
5																											

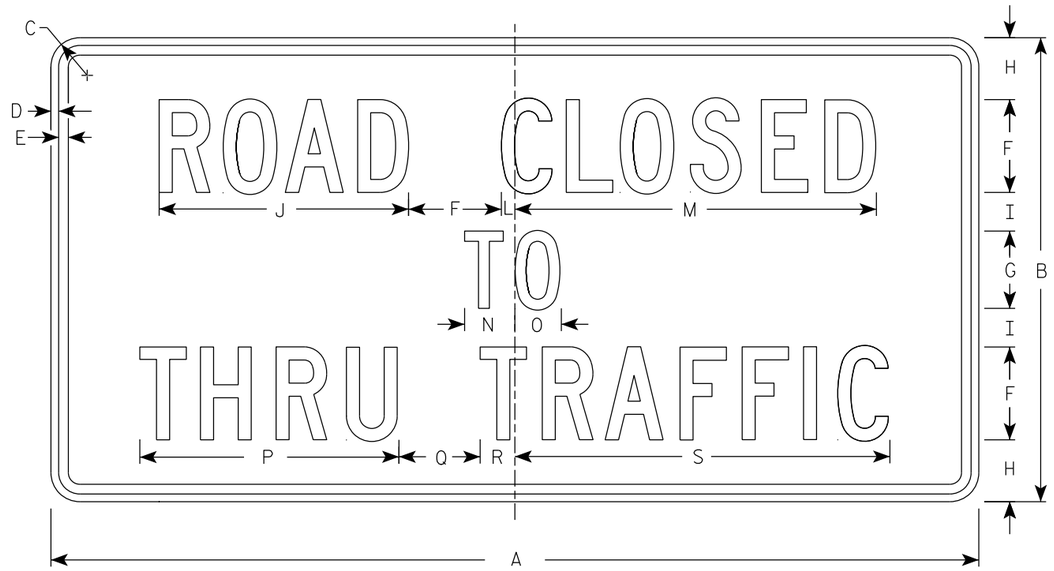
STANDARD SIGN
R11-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/5/24 PLATE NO. R11-3.10

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 135	E



R11-4

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	60	30	1 7/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
2M	60	30	1 7/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
3																											
4																											
5																											

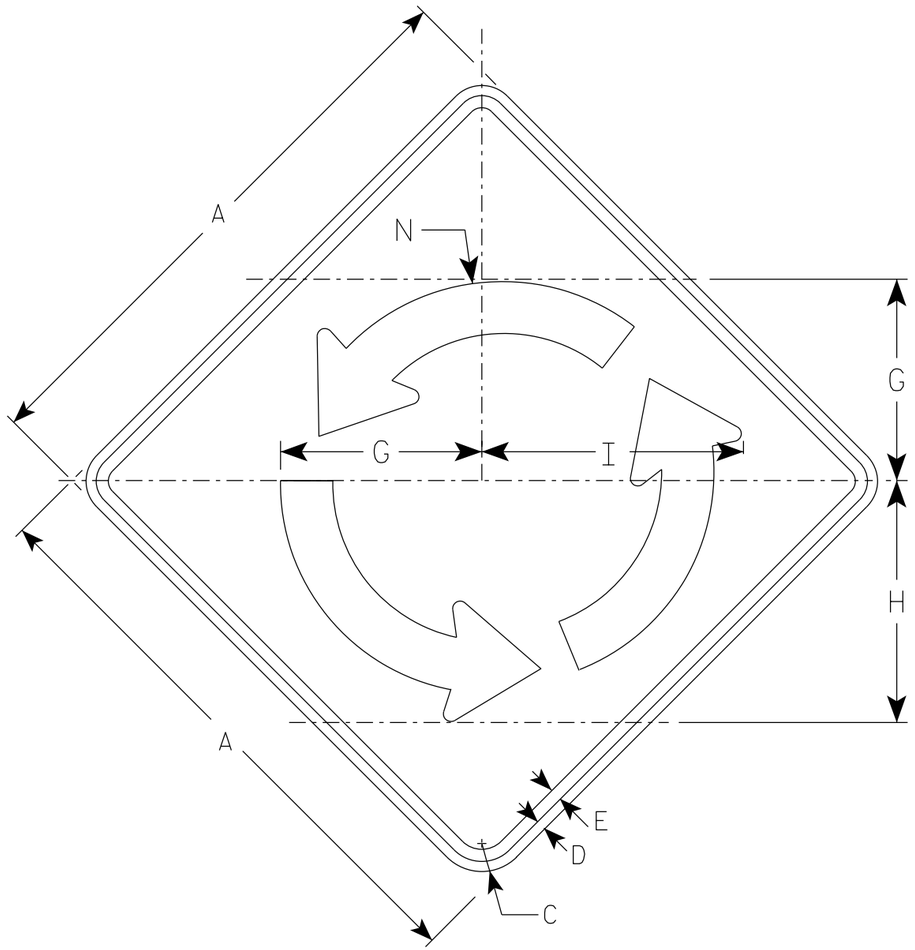
STANDARD SIGN
R11 - 4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/5/24 PLATE NO. R11-4.4

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 136 | E

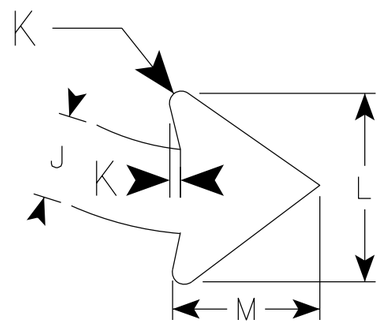


W2-6

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black

Arrow Detail



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Area sq. ft.
1																									
2S	30		1 7/8	1/2	5/8		10 3/8	12 1/2	13 1/2	2 3/4	3/8	6	4 3/4	11 1/8											6.25
2M	30		1 7/8	1/2	5/8		10 3/8	12 1/2	13 1/2	2 3/4	3/8	6	4 3/4	11 1/8											6.25
3	36		2 1/4	5/8	3/4		12 1/2	15	16 1/4	3 1/4	1/2	7 3/8	5 3/4	13 3/8											9.00
4	48		3	3/4	1		16 5/8	20	16 1/4	4 3/8	5/8	9 3/4	7 5/8	17 7/8											16.0
5																									

STANDARD SIGN
W2-6

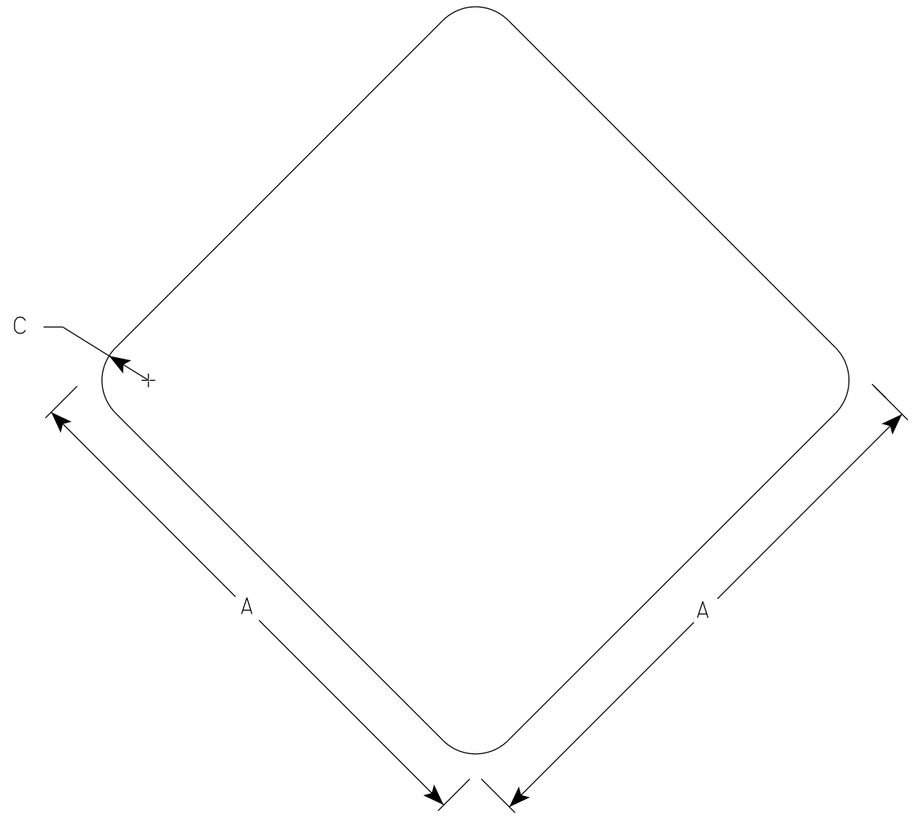
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/17/2023 PLATE NO. W2-6.8

PROJECT NO:

SHEET NO: 137 E



W5-54

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12		1 ½																								1.0
2S	18		1 ½																								2.25
2M	18		1 ½																								2.25
3																											
4																											
5																											

STANDARD SIGN
W5-54

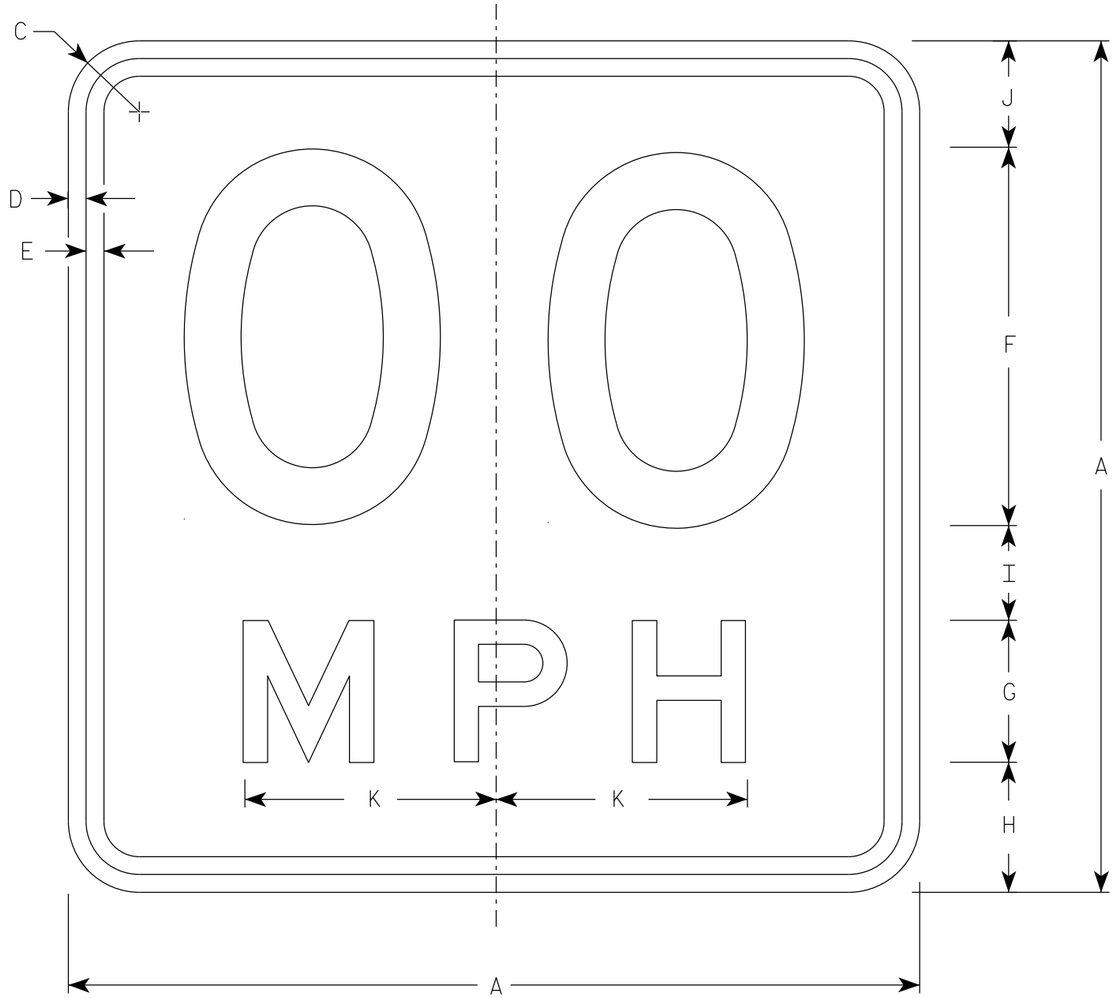
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/5/2024 PLATE NO. W5-54.9

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate_W554.dgn PLOT DATE : 5-MARCH 2024 11:55 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



W13-1

* For 30" x 30" Warning Signs, use 18" x 18" W13-1 signs.
For 36" x 36" Warning Signs, use 24" x 24" W13-1 signs.

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - See Note 5
4. Substitute appropriate numerals and optically space about centerline to achieve proper balance.
5. Line 1 is Series D
   Line 2 is Series E

	SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
	1	18		1 1/2	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
*	2S	18		1 1/2	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
*	2M	18		1 1/2	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
	3	24		1 1/2	3/8	1/2	10	4	4	2 3/4	3 1/4	6 5/8																4.00
	4	36		2 1/4	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
	5	36		2 1/4	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00

STANDARD SIGN
W13-1

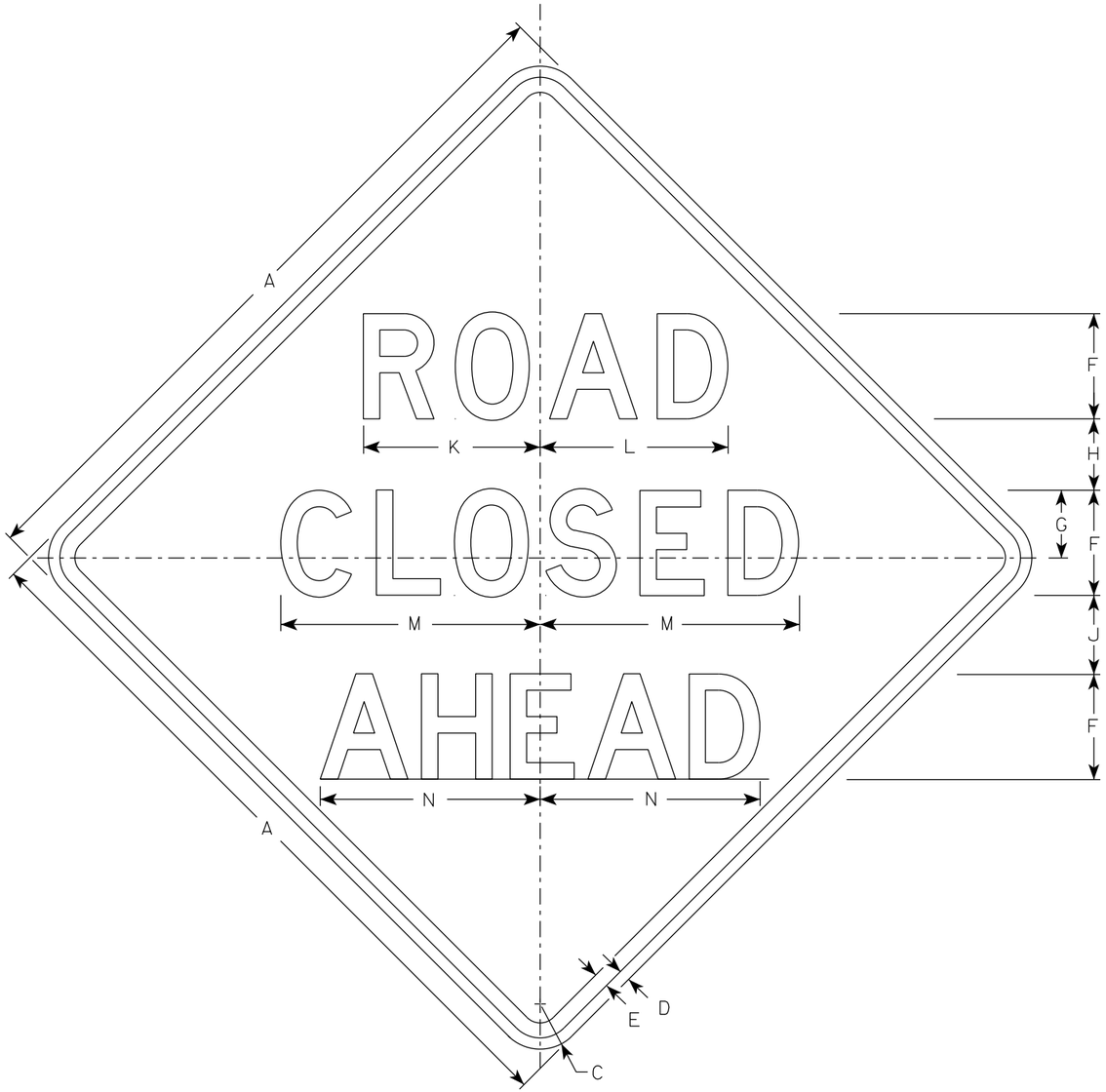
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

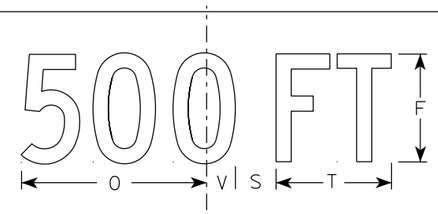
DATE 1/8/2024 PLATE NO. W13-1.17

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

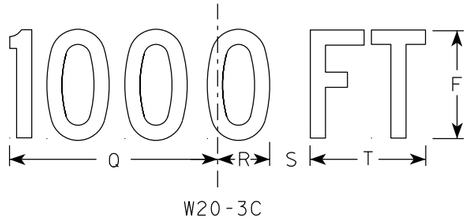
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W131.dgn PLOT DATE : 8-Jan 2024 11:07 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



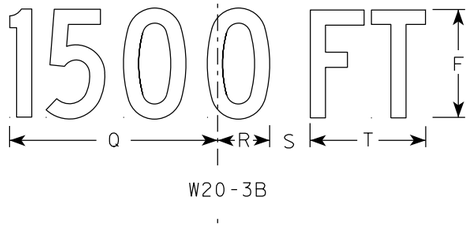
W20-3A



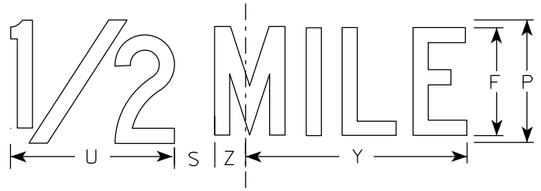
W20-3D



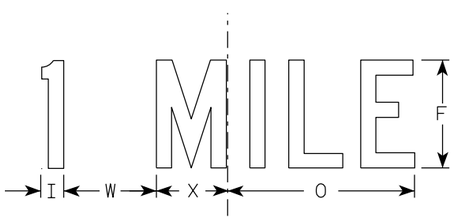
W20-3C



W20-3B



W20-3G



W20-3F

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - see note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Lines 1 and 2 are Series D.
   Line 3 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	5	3 3/8	3 1/2	1 1/8	4	8 3/8	8 7/8	12 1/2	11	9	6	10 1/8	2 1/2	1 7/8	5 5/8	8	1 3/8	4 1/2	3 1/2	10 3/4	1 3/4	9.0
2S	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
2M	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
3	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
4	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
5	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0

STANDARD SIGN
W20-3A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/10/2024 PLATE NO. W20-3.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W203.DGN PLOT DATE : 10-JAN 2024 12:02 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

PROJECT ID 6942-01-72

CTH HH 'EB'

CATEGORY	STATION	REAL STATION	DISTANCE	AREA (SF) CUT	AREA (SF) FILL	INCREMENTAL VOL (CY) CUT	INCREMENTAL VOL (CY) FILL	CUMULATIVE VOL (CY) CUT 1.00	CUMULATIVE VOL (CY) EXPANDED FILL 1.25	CUMULATIVE VOL (CY) MASS ORDINATE
0010	295+09	29509	0	62.06	18.20	0	0	0	0	0
	295+25	29525	16	64.47	18.53	37	11	37	14	24
	295+50	29550	25	68.10	20.60	61	18	99	36	63
	295+65	29565	15	65.38	25.99	37	13	136	52	84
	295+75	29575	10	75.66	18.91	26	8	162	63	99
	296+00	29600	25	42.02	12.50	54	15	217	81	136
	296+25	29625	25	43.81	12.74	40	12	256	96	161
	296+50	29650	25	45.23	13.20	41	12	298	111	187
	296+75	29675	25	45.01	13.69	42	12	339	126	213
	297+00	29700	25	45.43	14.17	42	13	381	142	239
	297+25	29725	25	47.37	15.21	43	14	424	159	265
	297+50	29750	25	32.40	23.51	37	18	461	182	279
	297+75	29775	25	21.89	25.54	25	23	486	210	276
	298+00	29800	25	26.74	19.20	23	21	509	236	273
	298+25	29825	25	33.14	12.10	28	14	536	254	282
	298+50	29850	25	35.32	0.00	32	6	568	261	307
	298+60	29860	10	33.26	0.04	13	0	581	261	320
	298+75	29875	15	13.64	10.19	13	3	594	265	329
	299+00	29900	25	2.91	38.76	8	23	601	293	309
	299+25	29925	25	4.48	25.18	3	30	605	330	275
	299+50	29950	25	1.03	49.29	3	34	607	373	234
	299+75	29975	25	1.50	67.64	1	54	609	441	168
	300+00	30000	25	0.52	83.94	1	70	610	528	81
						610	423			

PROJECT ID 6942-01-72

CTH HH 'WB'

CATEGORY	STATION	REAL STATION	DISTANCE	AREA (SF) CUT	AREA (SF) FILL	INCREMENTAL VOL (CY) CUT	INCREMENTAL VOL (CY) FILL	CUMULATIVE VOL (CY) CUT 1.00	CUMULATIVE VOL (CY) EXPANDED FILL 1.25	CUMULATIVE VOL (CY) MASS ORDINATE
0010	395+73	39573	0	39.59	2.06	0	0	0	0	0
	395+75	39575	2	40.84	1.39	3	0	3	0	3
	396+00	39600	25	44.72	0.00	40	1	43	1	42
	396+25	39625	25	44.65	0.00	41	0	84	1	83
	396+50	39650	25	44.69	0.00	41	0	125	1	124
	396+75	39675	25	43.78	0.00	41	0	166	1	165
	397+00	39700	25	45.92	0.00	42	0	208	1	207
	397+25	39725	25	46.20	0.04	43	0	250	1	249
	397+50	39750	25	40.85	0.74	40	0	291	1	289
	397+75	39775	25	38.36	1.52	37	1	327	3	325
	398+00	39800	25	34.23	3.09	34	2	361	5	356
	398+25	39825	25	28.43	7.32	29	5	390	11	379
	398+50	39850	25	21.63	14.06	23	10	413	24	389
	398+75	39875	25	14.59	30.23	17	21	430	49	381
	399+00	39900	25	8.16	38.11	11	32	441	89	352
	399+25	39925	25	5.56	53.94	6	43	447	142	305
	399+50	39950	25	5.47	78.75	5	61	452	219	233
	399+75	39975	25	5.86	111.04	5	88	457	329	128
	400+00	40000	25	6.64	102.03	6	99	463	452	11
						463	362			

PROJECT ID 6942-01-72

CTH F 'EB'

CATEGORY	STATION	REAL STATION	DISTANCE	AREA (SF) CUT	AREA (SF) FILL	INCREMENTAL VOL (CY) CUT	INCREMENTAL VOL (CY) FILL	CUMULATIVE VOL (CY) CUT 1.00	CUMULATIVE VOL (CY) EXPANDED FILL 1.25	CUMULATIVE VOL (CY) MASS ORDINATE
0010	301+65	30165	0	0.75	22.02	0	0	0	0	0
	301+75	30175	10	1.59	23.17	0	8	0	10	-10
	302+00	30200	25	3.79	13.45	2	17	3	32	-29
	302+25	30225	25	7.18	12.20	5	12	8	46	-38
	302+50	30250	25	14.06	9.82	10	10	18	59	-41
	302+75	30275	25	21.51	8.38	16	8	34	70	-35
	303+00	30300	25	26.72	1.18	22	4	57	75	-19
	303+25	30325	25	28.44	0.79	26	1	82	76	6
	303+50	30350	25	29.61	0.02	27	0	109	77	32
	303+75	30375	25	30.15	0.01	28	0	137	77	60
	304+00	30400	25	30.55	0.01	28	0	165	77	88
	304+25	30425	25	52.16	0.02	38	0	203	77	126
	304+50	30450	25	56.86	0.03	50	0	254	77	177
	304+75	30475	25	53.04	0.13	51	0	304	77	227
	305+00	30500	25	49.16	0.29	47	0	352	77	274
	305+25	30525	25	45.51	0.50	44	0	396	78	318
	305+50	30550	25	42.48	0.77	41	1	436	79	358
	305+75	30575	25	40.13	1.05	38	1	475	80	395
	306+00	30600	25	77.50	1.61	54	1	529	81	448
	306+25	30625	25	78.37	2.58	72	2	601	84	518
	306+50	30650	25	78.10	3.75	72	3	674	87	586
	306+53	30653	3	16.29	3.92	5	0	679	88	591
						679	70			

PROJECT ID 6942-01-72

CTH F 'WB'

CATEGORY	STATION	REAL STATION	DISTANCE	AREA (SF) CUT	AREA (SF) FILL	INCREMENTAL VOL (CY) CUT	INCREMENTAL VOL (CY) FILL	CUMULATIVE VOL (CY) CUT 1.00	CUMULATIVE VOL (CY) EXPANDED FILL 1.25	CUMULATIVE VOL (CY) MASS ORDINATE
0010	401+66	40166	0	12.32	48.67	0	0	0	0	0
	401+75	40175	9	12.65	39.78	4	15	4	18	-14
	402+00	40200	25	16.66	24.46	14	30	18	56	-38
	402+25	40225	25	24.39	7.45	19	15	37	74	-37
	402+50	40250	25	25.11	13.22	23	10	60	86	-26
	402+75	40275	25	9.26	15.42	16	13	76	103	-27
	403+00	40300	25	9.44	12.88	9	13	84	119	-35
	403+25	40325	25	12.17	7.98	10	10	94	131	-37
	403+50	40350	25	13.35	7.94	12	7	106	140	-34
	403+75	40375	25	13.67	9.18	13	8	119	150	-32
	404+00	40400	25	13.56	10.69	13	9	131	162	-31
	404+25	40425	25	14.69	7.41	13	8	144	172	-28
	404+50	40450	25	30.80	2.73	21	5	165	178	-13
	404+75	40475	25	24.15	18.18	25	10	191	190	1
	405+00	40500	25	27.91	18.49	24	17	215	211	3
	405+25	40525	25	31.14	22.65	27	19	242	235	7
	405+50	40550	25	33.22	25.09	30	22	272	263	9
	405+75	40575	25	36.40	0.69	32	12	304	278	27
	405+98	40598	23	39.16	0.00	32	0	336	278	58
						336	222			

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PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	EARTHWORK DATA	SHEET 141	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 A EARTHWORK DATA\090100_EW (EARTH WORK).DWG
LAYOUT NAME - 01

PLOT DATE : 7/14/2025 12:33 PM PLOT BY : GARY ELLIAS PLOT NAME : PLOT SCALE : 1" = 1'

WISDOT/CADDS SHEET 49

PROJECT ID 6942-01-72

CTH HH 'NB'

CATEGORY	STATION	REAL STATION	DISTANCE	AREA (SF) CUT	AREA (SF) FILL	INCREMENTAL VOL (CY) CUT	INCREMENTAL VOL (CY) FILL	CUMULATIVE VOL (CY) CUT 1.00	CUMULATIVE VOL (CY) EXPANDED FILL 1.25	CUMULATIVE VOL (CY) MASS ORDINATE
0010	95+48	9548	0	31.43	4.61	0	0	0	0	0
	95+50	9550	2	59.17	4.35	3	0	3	0	3
	95+75	9575	25	31.97	0.00	42	2	46	3	43
	96+00	9600	25	35.42	0.47	31	0	77	3	74
	96+25	9625	25	40.73	0.07	35	0	112	4	108
	96+50	9650	25	44.43	0.25	39	0	151	4	148
	96+75	9675	25	46.32	0.36	42	0	193	4	189
	97+00	9700	25	49.04	0.09	44	0	238	4	233
	97+25	9725	25	54.70	0.00	48	0	286	4	281
	97+50	9750	25	64.12	0.00	55	0	341	4	336
	97+75	9775	25	47.82	0.00	52	0	392	4	388
	98+00	9800	25	49.36	0.00	45	0	437	4	433
	98+25	9825	25	52.51	0.00	47	0	485	4	480
	98+50	9850	25	46.44	0.37	46	0	530	5	526
	98+75	9875	25	47.24	0.14	43	0	574	5	569
	99+00	9900	25	44.95	0.00	43	0	616	5	612
	99+11	9911	11	43.00	0.00	18	0	634	5	629
	99+25	9925	14	39.57	0.02	21	0	656	5	651
	99+50	9950	25	29.89	1.04	32	0	688	6	682
	99+75	9975	25	9.43	9.99	18	5	706	12	694
	100+00	10000	25	0.00	20.15	4	14	711	29	681
						711	24			

PROJECT ID 6942-01-72

CTH HH 'SB'

CATEGORY	STATION	REAL STATION	DISTANCE	AREA (SF) CUT	AREA (SF) FILL	INCREMENTAL VOL (CY) CUT	INCREMENTAL VOL (CY) FILL	CUMULATIVE VOL (CY) CUT 1.00	CUMULATIVE VOL (CY) EXPANDED FILL 1.25	CUMULATIVE VOL (CY) MASS ORDINATE
0010	195+50	19550	0	28.54	5.00	0	0	0	0	0
	195+75	19575	25	28.28	6.65	26	5	26	7	20
	196+00	19600	25	28.06	7.38	26	6	52	15	38
	196+25	19625	25	44.52	0.00	34	3	86	19	67
	196+50	19650	25	23.20	5.69	31	3	117	22	95
	196+75	19675	25	20.08	6.68	20	6	137	30	108
	197+00	19700	25	18.03	7.06	18	6	155	38	117
	197+25	19725	25	16.98	7.30	16	7	171	46	125
	197+50	19750	25	19.53	11.39	17	9	188	57	131
	197+75	19775	25	16.20	9.96	17	10	205	69	136
	198+00	19800	25	17.56	4.24	16	7	220	77	143
	198+25	19825	25	19.26	0.14	17	2	237	80	158
	198+50	19850	25	32.64	0.00	24	0	261	80	182
	198+75	19875	25	35.72	0.00	32	0	293	80	213
	199+00	19900	25	39.58	0.00	35	0	328	80	248
	199+25	19925	25	35.32	0.58	35	0	363	80	282
	199+50	19950	25	9.44	5.44	21	3	383	84	300
	199+75	19975	25	4.20	33.95	6	18	390	106	283
	200+00	20000	25	1.12	58.85	2	43	392	160	232
						392	128			

PROJECT ID 6942-01-72

CTH F 'NB'

CATEGORY	STATION	REAL STATION	DISTANCE	AREA (SF) CUT	AREA (SF) FILL	INCREMENTAL VOL (CY) CUT	INCREMENTAL VOL (CY) FILL	CUMULATIVE VOL (CY) CUT 1.00	CUMULATIVE VOL (CY) EXPANDED FILL 1.25	CUMULATIVE VOL (CY) MASS ORDINATE
0010	101+50	10150	0	7.13	42.52	0	0	0	0	0
	101+75	10175	25	4.86	67.43	6	51	6	64	-58
	102+00	10200	25	3.03	73.01	4	65	9	145	-136
	102+25	10225	25	2.59	57.97	3	61	12	221	-209
	102+50	10250	25	2.56	44.07	2	47	14	280	-266
	102+75	10275	25	3.37	23.23	3	31	17	319	-302
	103+00	10300	25	5.42	11.69	4	16	21	339	-318
	103+25	10325	25	9.19	7.85	7	9	28	350	-322
	103+50	10350	25	11.16	7.61	9	7	37	359	-322
	103+75	10375	25	14.14	8.15	12	7	49	368	-319
	104+00	10400	25	17.40	9.27	15	8	64	378	-315
	104+25	10425	25	40.42	6.29	27	7	90	387	-297
	104+50	10450	25	37.15	4.06	36	5	126	393	-267
	104+75	10475	25	36.63	3.20	34	3	160	398	-237
	105+00	10500	25	36.43	1.79	34	2	194	400	-206
	105+25	10525	25	36.21	0.07	34	1	228	402	-174
	105+50	10550	25	36.65	0.00	34	0	262	402	-140
	105+75	10575	25	78.69	0.00	53	0	315	402	-87
	106+00	10600	25	75.50	0.00	71	0	386	402	-15
	106+22	10622	22	72.66	0.00	60	0	447	402	45
						447	321			

PROJECT ID 6942-01-72

CTH F 'SB'

CATEGORY	STATION	REAL STATION	DISTANCE	AREA (SF) CUT	AREA (SF) FILL	INCREMENTAL VOL (CY) CUT	INCREMENTAL VOL (CY) FILL	CUMULATIVE VOL (CY) CUT 1.00	CUMULATIVE VOL (CY) EXPANDED FILL 1.25	CUMULATIVE VOL (CY) MASS ORDINATE
0010	201+53	20153	0	11.00	30.20	0	0	0	0	0
	201+75	20175	22	20.89	30.26	13	25	13	31	-18
	202+00	20200	25	37.69	27.37	27	27	40	64	-24
	202+25	20225	25	45.98	13.14	39	19	79	88	-9
	202+50	20250	25	54.13	3.94	46	8	125	97	28
	202+75	20275	25	63.79	0.31	55	2	180	100	80
	203+00	20300	25	68.04	0.00	61	0	241	100	141
	203+25	20325	25	69.53	0.66	64	0	305	100	204
	203+50	20350	25	70.61	0.00	65	0	369	101	269
	203+75	20375	25	58.41	0.00	60	0	429	101	328
	204+00	20400	25	53.80	0.00	52	0	481	101	380
	204+10	20410	10	51.83	0.00	20	0	501	101	400
	204+25	20425	15	47.40	0.00	28	0	528	101	427
	204+50	20450	25	41.11	0.00	41	0	569	101	468
	204+75	20475	25	39.22	0.00	37	0	606	101	505
	205+00	20500	25	40.93	0.00	37	0	643	101	543
	205+25	20525	25	42.21	0.00	38	0	682	101	581
						682	81			

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PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	EARTHWORK DATA	SHEET 142	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 A EARTHWORK DATA\090100_EW (EARTH WORK).DWG
LAYOUT NAME - 02

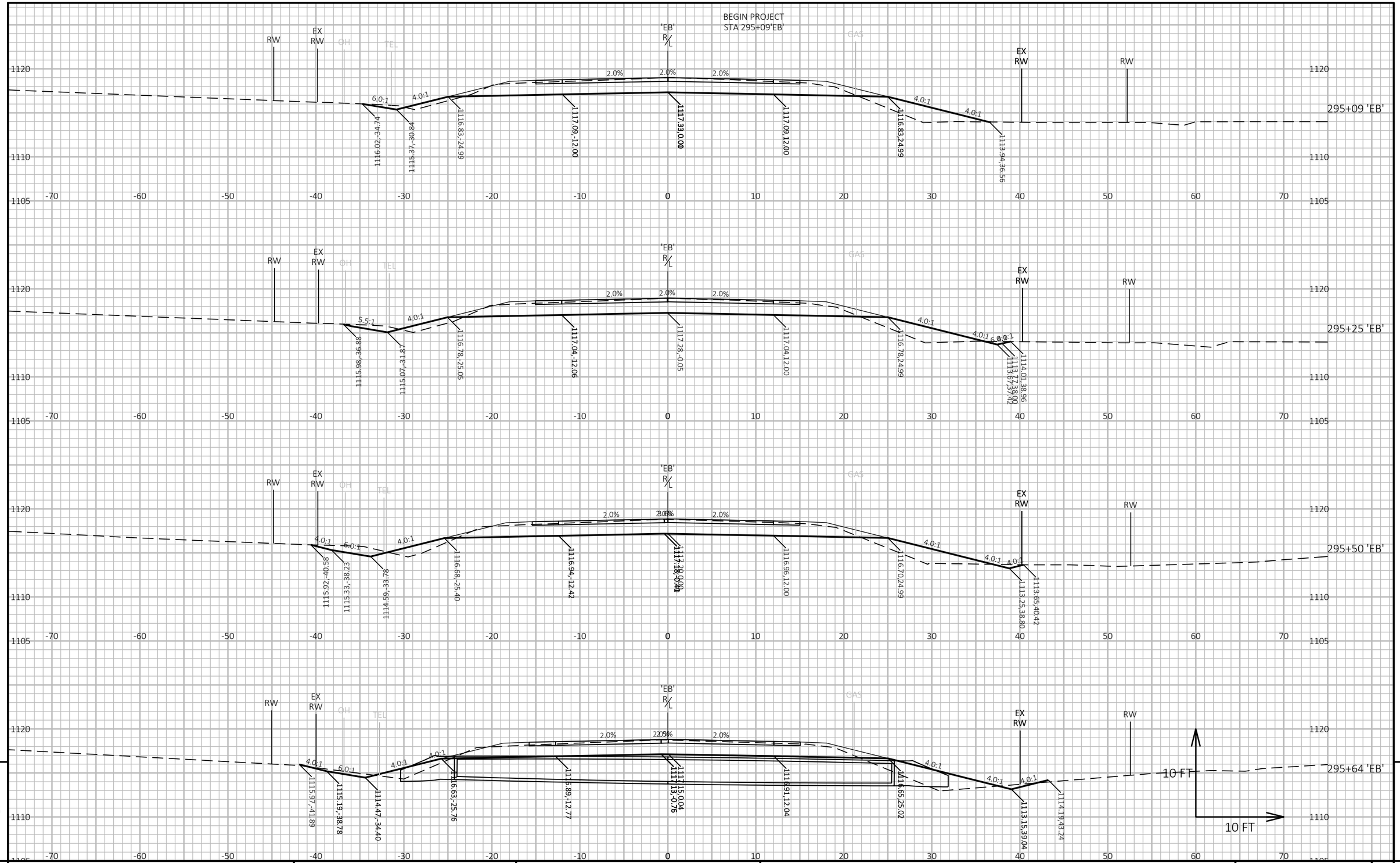
PLOT DATE : 7/14/2025 12:33 PM PLOT BY : GARY ELLIAS PLOT NAME : PLOT SCALE : 1" = 1'

WISDOT/CADDS SHEET 49

PROJECT ID 6942-01-72

RAB 'CI'

CATEGORY	STATION	REAL STATION	DISTANCE	AREA (SF) CUT	AREA (SF) FILL	INCREMENTAL VOL (CY) CUT	INCREMENTAL VOL (CY) FILL	CUMULATIVE VOL (CY) CUT 1.00	CUMULATIVE VOL (CY) EXPANDED FILL 1.25	CUMULATIVE VOL (CY) MASS ORDINATE
0010	8+00	800	0	0.00	89.78	0	0	0	0	0
	8+25	825	25	0.00	149.61	0	111	0	139	-139
	8+50	850	25	0.00	121.92	0	126	0	296	-296
	8+75	875	25	0.00	111.60	0	108	0	431	-431
	9+00	900	25	0.00	90.28	0	93	0	548	-548
	9+25	925	25	0.00	74.20	0	76	0	643	-643
	9+50	950	25	0.00	86.51	0	74	0	736	-736
	9+75	975	25	0.00	44.77	0	61	0	812	-812
	10+00	1000	25	0.00	61.23	0	49	0	873	-873
	10+25	1025	25	0.00	111.10	0	80	0	973	-973
	10+50	1050	25	0.00	110.44	0	103	0	1,101	-1,101
	10+75	1075	25	0.00	112.26	0	103	0	1,230	-1,230
	11+00	1100	25	0.00	70.31	0	85	0	1,336	-1,336
	11+25	1125	25	0.00	59.71	0	60	0	1,411	-1,411
	11+50	1150	25	0.00	95.79	0	72	0	1,501	-1,501
	11+75	1175	25	0.00	84.79	0	84	0	1,605	-1,605
	12+00	1200	25	0.00	76.89	0	75	0	1,699	-1,699
						0	1359			



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PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'EB'	SHEET 144	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - EBW1

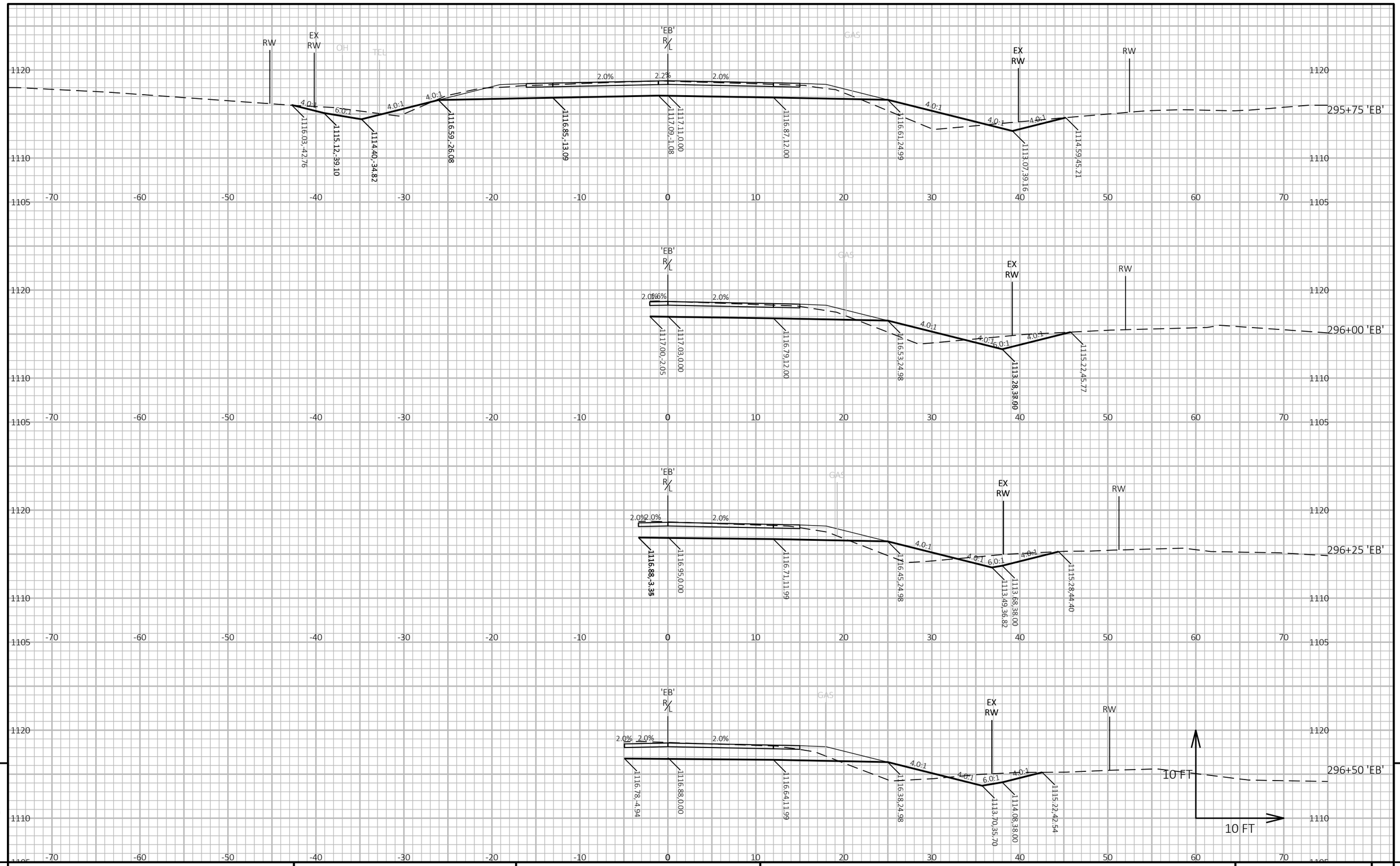
PLOT DATE : 7/14/2025 12:35 PM

PLOT BY : GARY ELLIAS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'EB'	SHEET 145	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - EBW2

PLOT DATE : 7/14/2025 12:35 PM PLOT BY : GARY ELLIAS 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: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'EB'	SHEET 146	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - EBW3

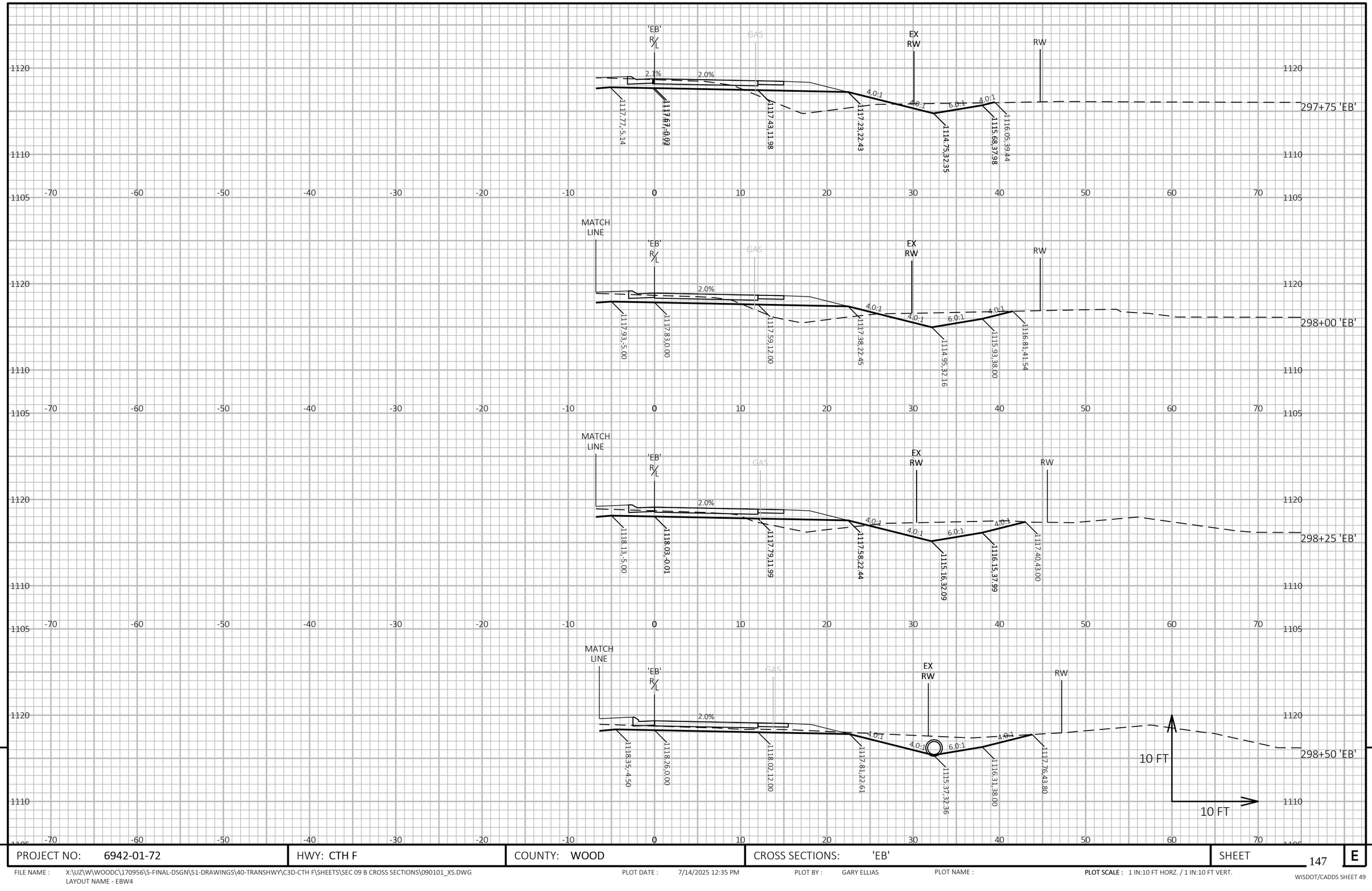
PLOT DATE : 7/14/2025 12:35 PM

PLOT BY : GARY ELLIAS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

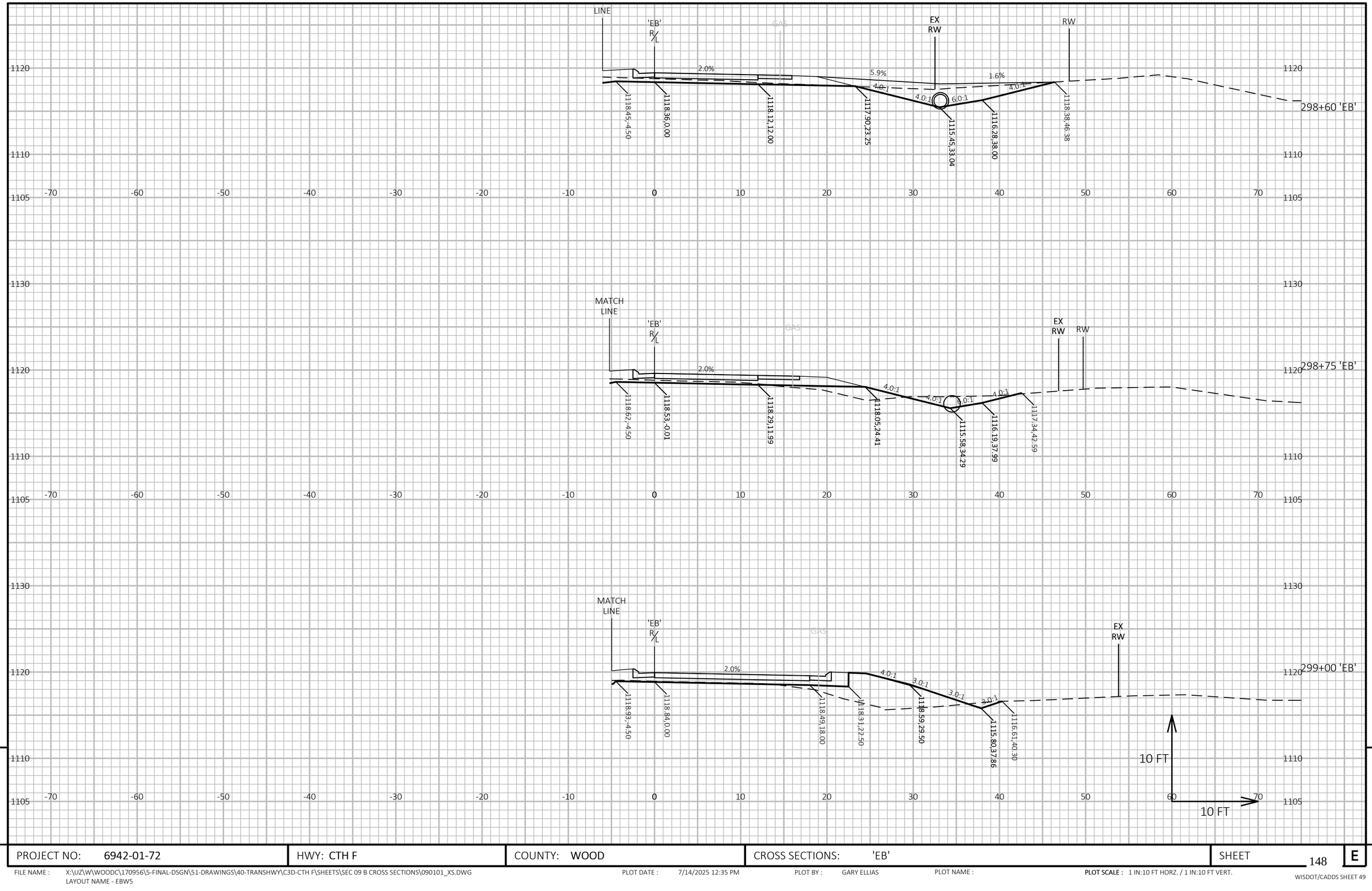


PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'EB'	SHEET 147	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - EBW4

PLOT DATE : 7/14/2025 12:35 PM PLOT BY : GARY ELLIAS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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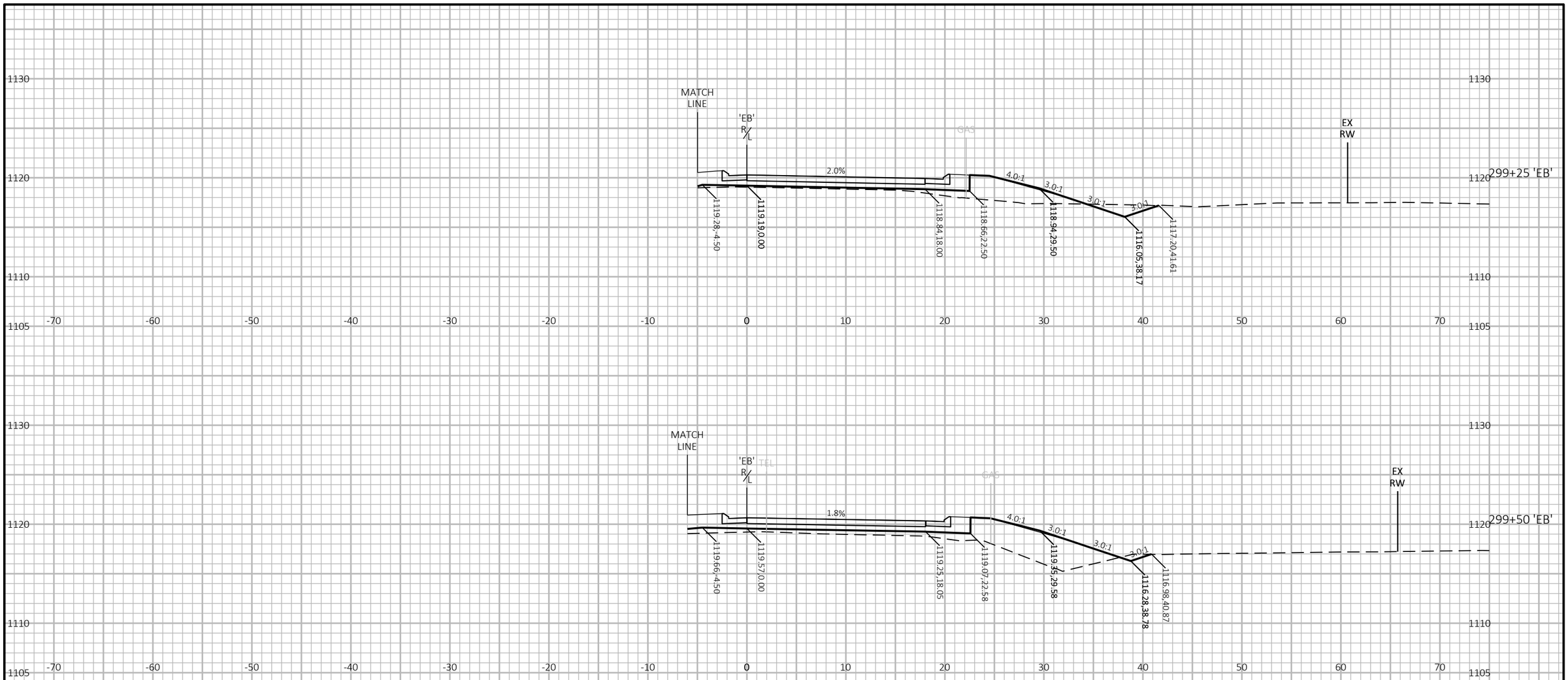
9

PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'EB'	SHEET 148	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - EBW5

PLOT DATE : 7/14/2025 12:35 PM PLOT BY : GARY ELLIAS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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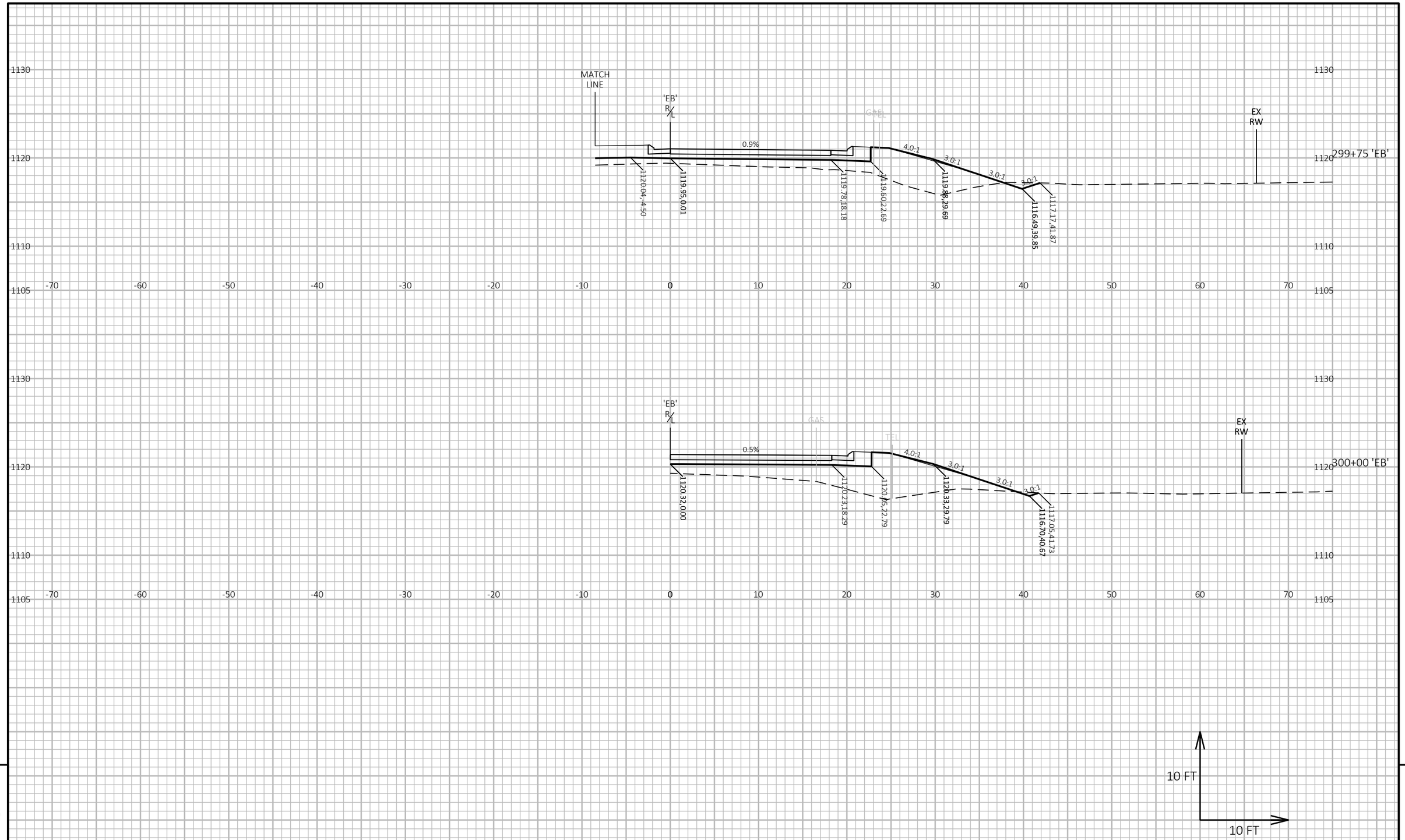
9

PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'EB'	SHEET 149	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - EBW6

PLOT DATE : 7/14/2025 12:35 PM PLOT BY : GARY ELLIAS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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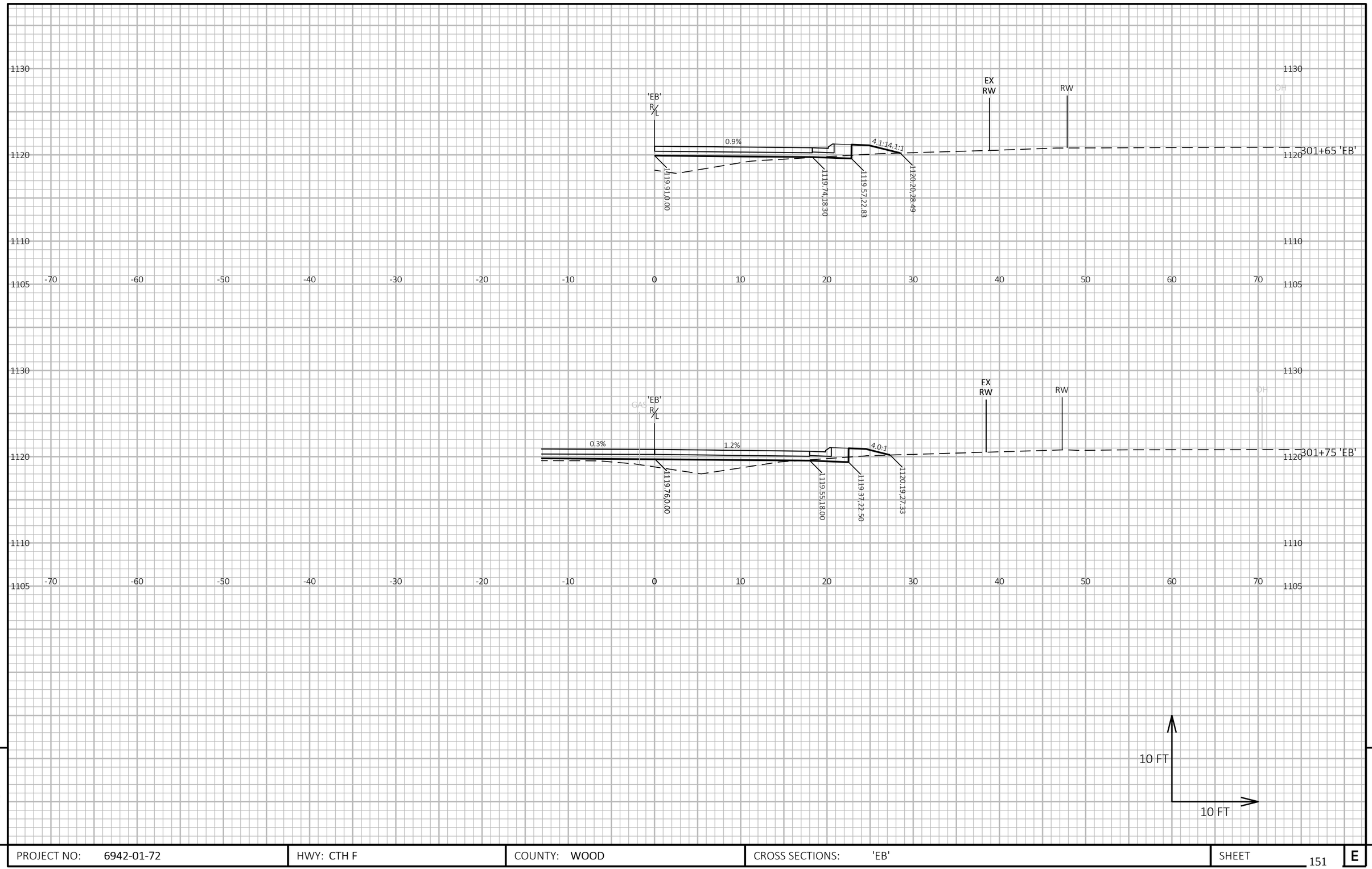
9

PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'EB'	SHEET 150	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - EBW7

PLOT DATE : 7/14/2025 12:36 PM PLOT BY : GARY ELLIAS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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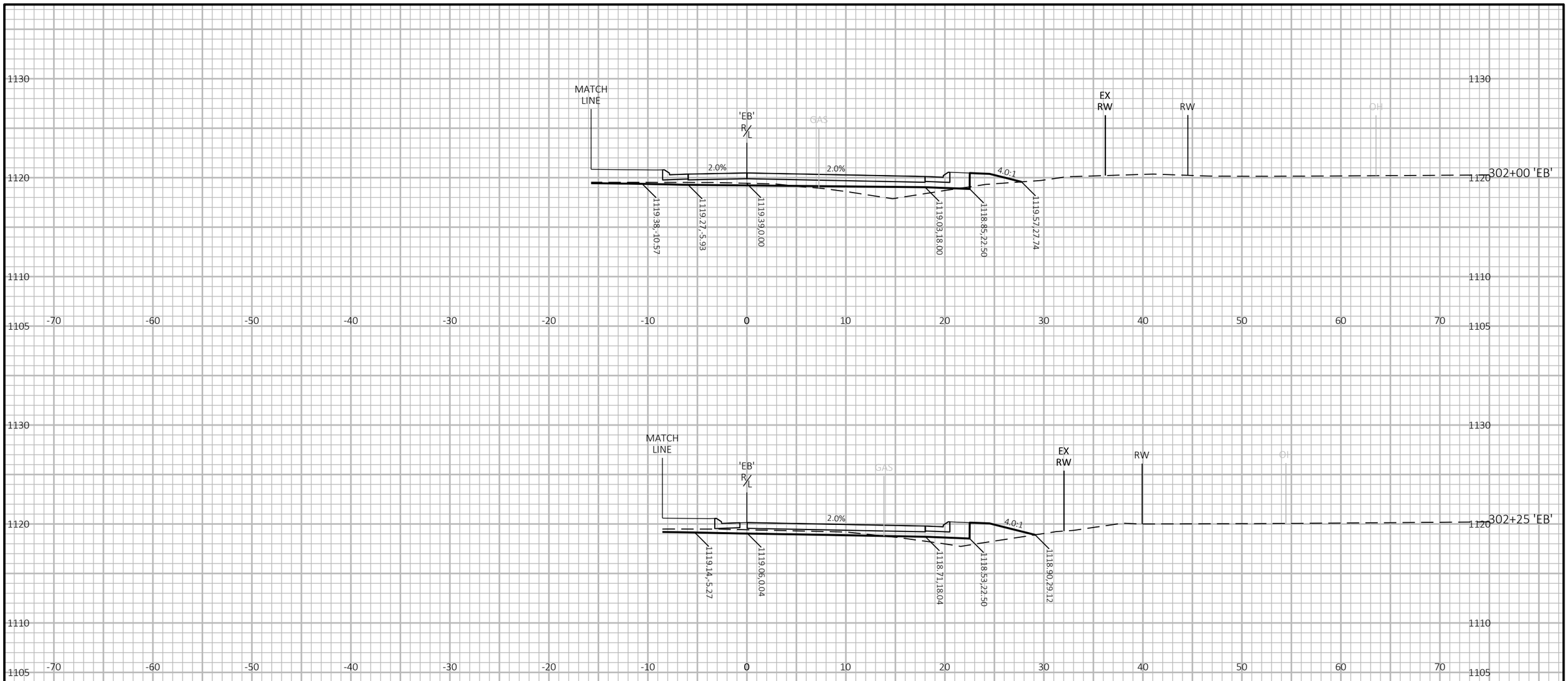
9

PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'EB'	SHEET 151	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - EBE1

PLOT DATE : 7/14/2025 12:36 PM PLOT BY : GARY ELLIAS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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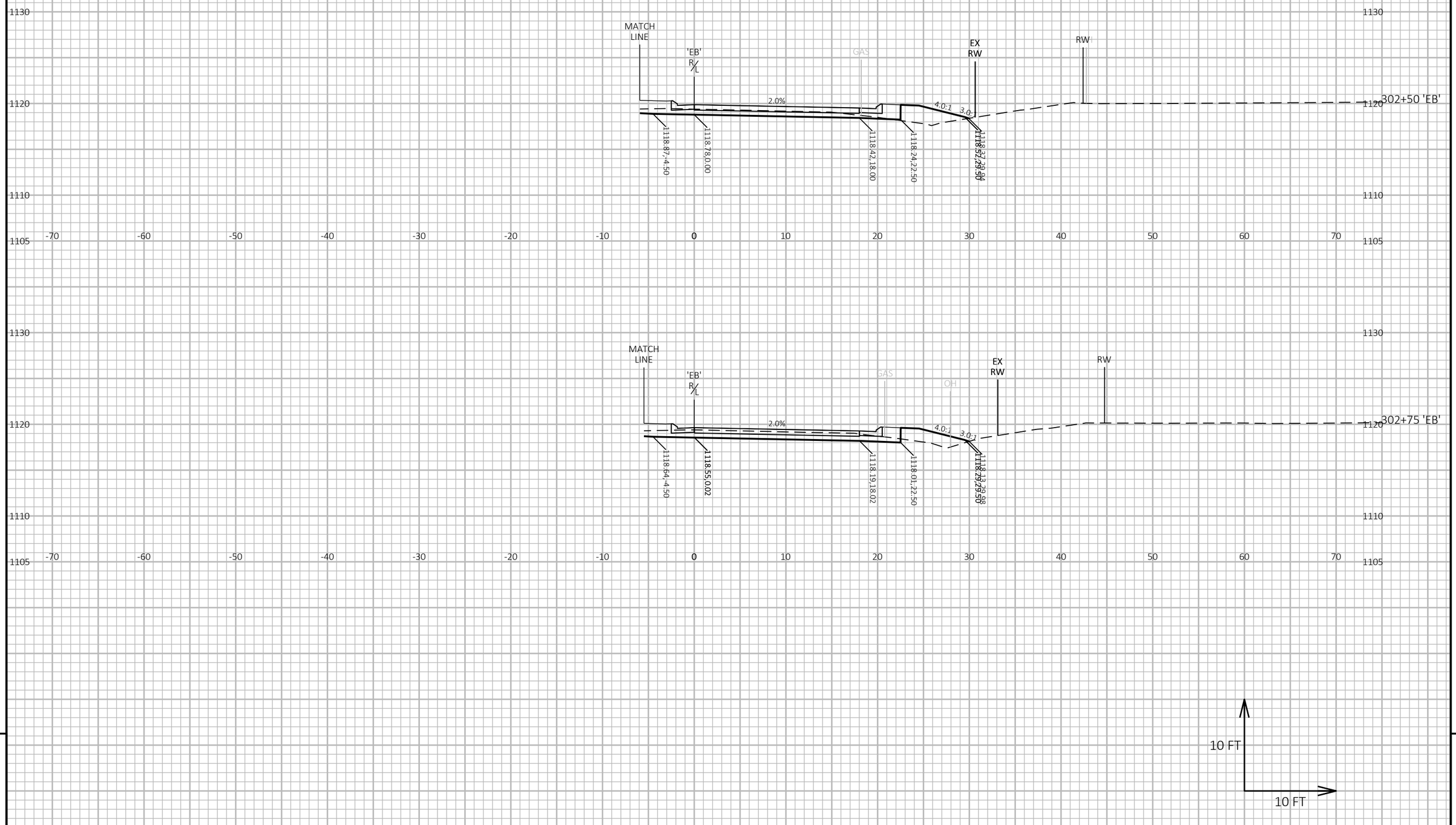
PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'EB'	SHEET 152	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - EBE2

PLOT DATE : 7/14/2025 12:36 PM PLOT BY : GARY ELLIAS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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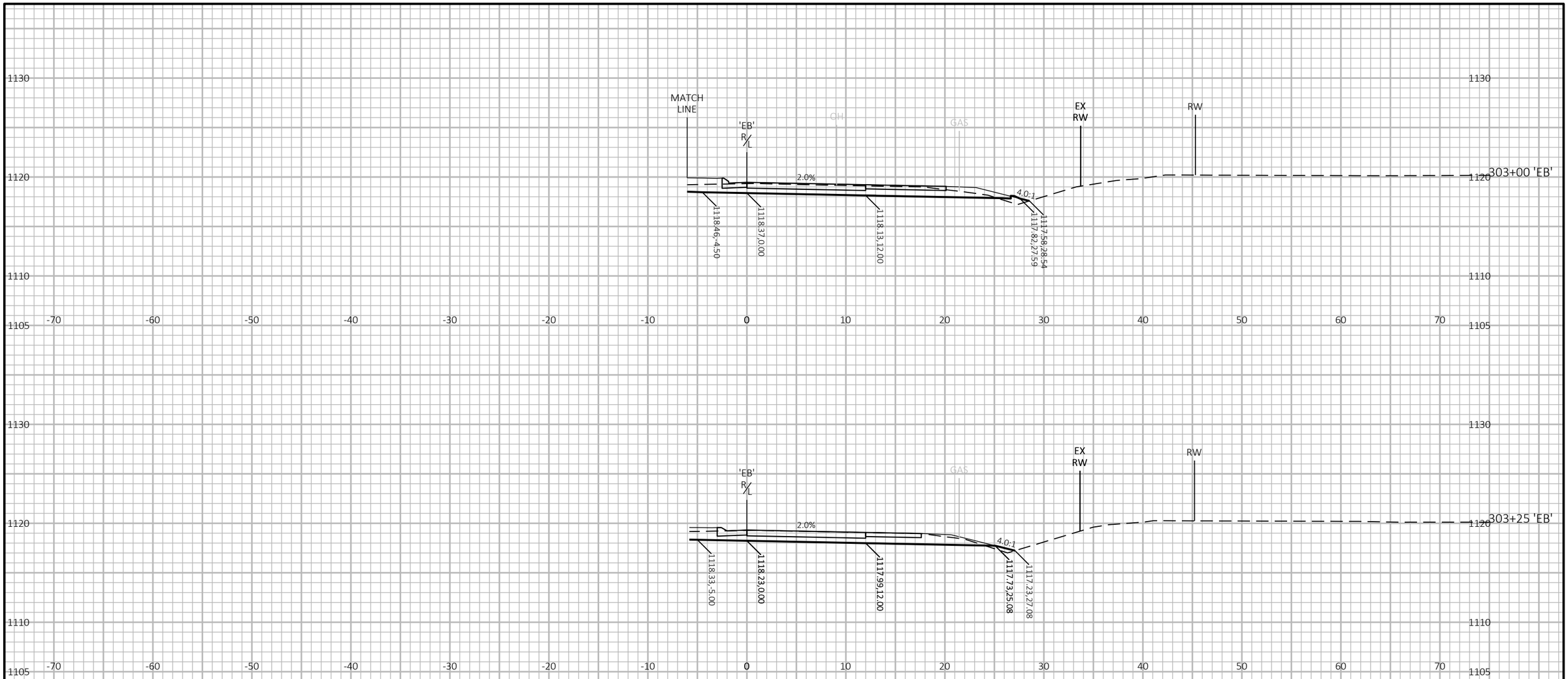
PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'EB'	SHEET 153	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - EBE3

PLOT DATE : 7/14/2025 12:36 PM PLOT BY : GARY ELLIAS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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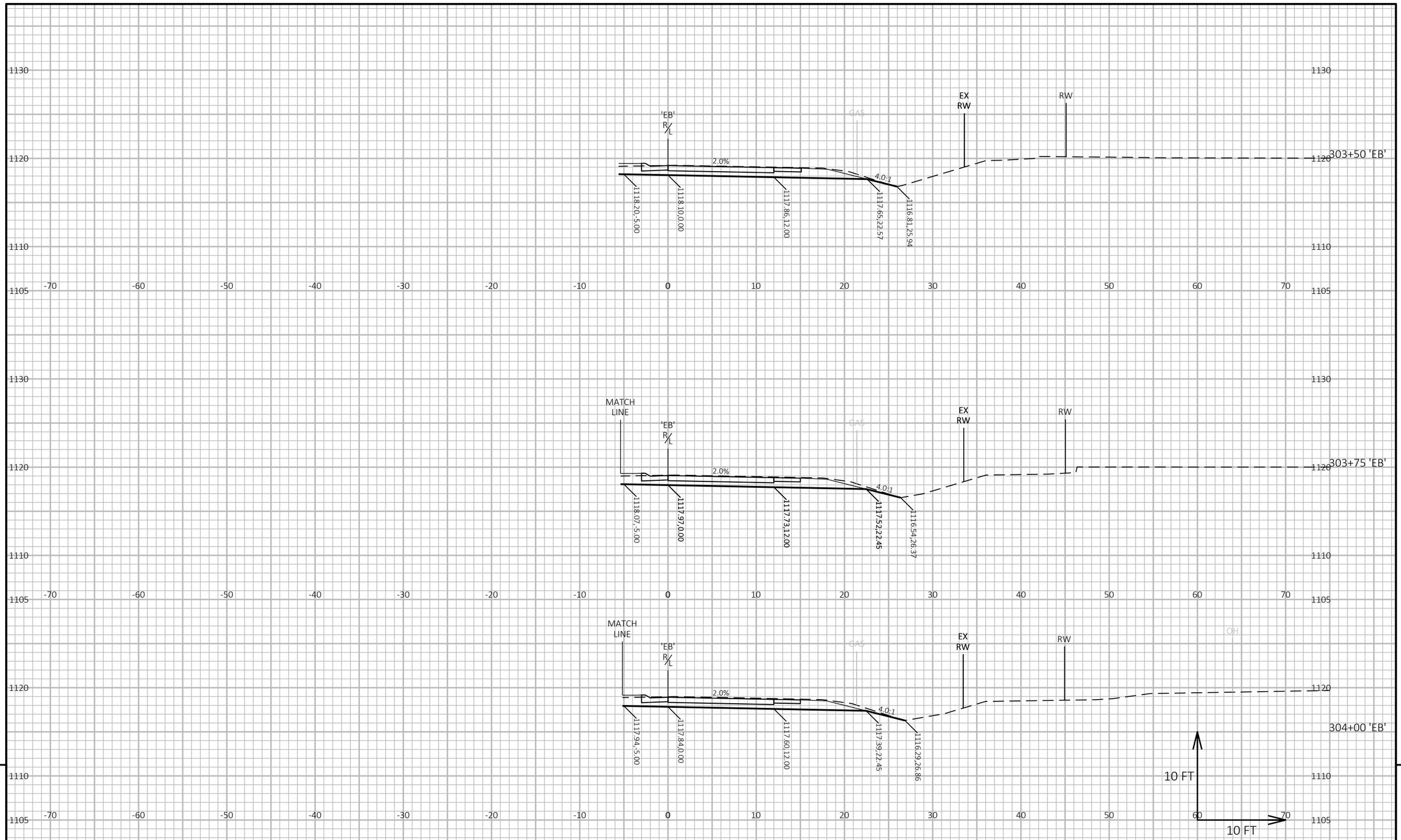
PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'EB'	SHEET 154	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - EBE4

PLOT DATE : 7/14/2025 12:36 PM PLOT BY : GARY ELLIAS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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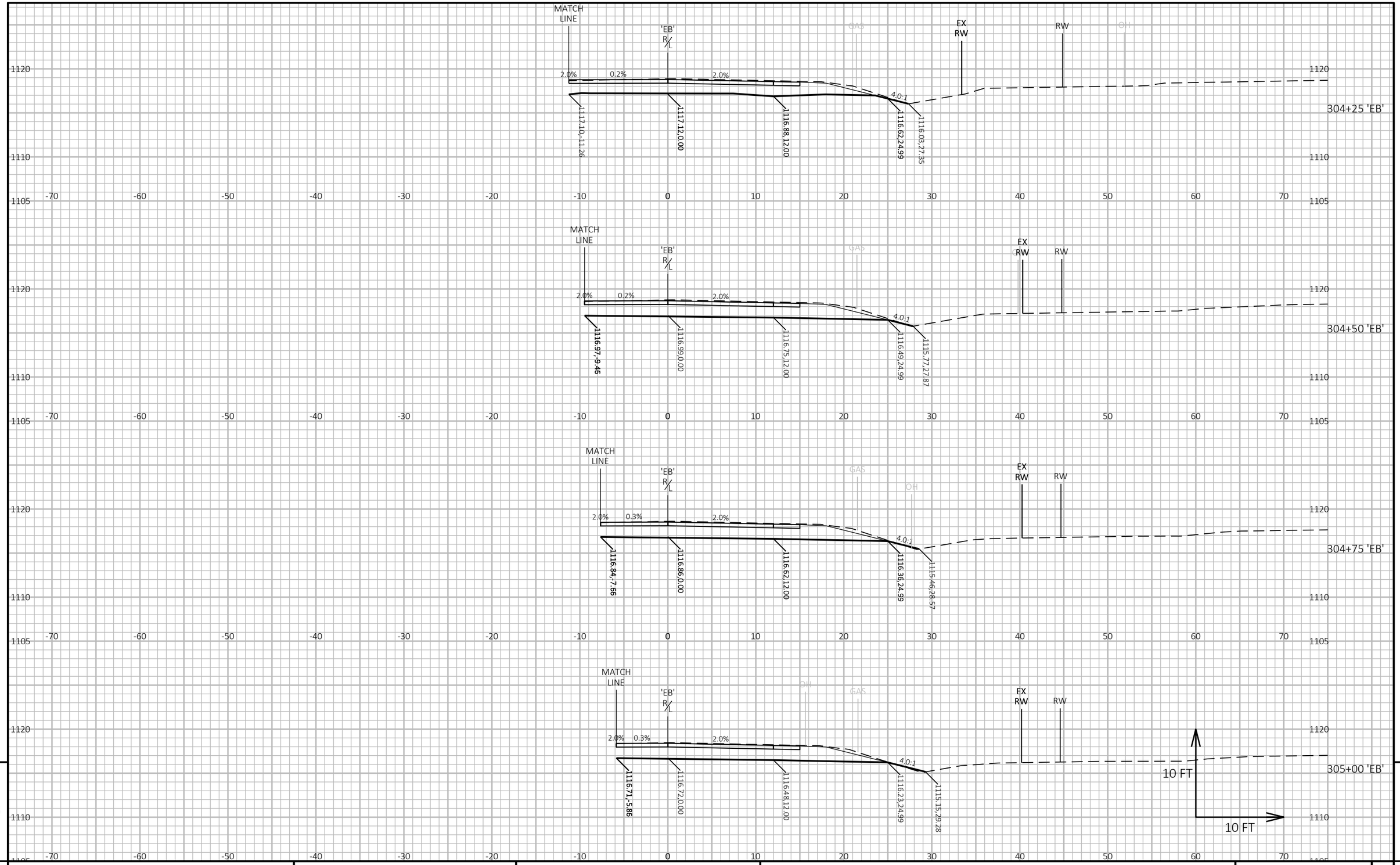
PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'EB'	SHEET 155	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - EBE5

PLOT DATE : 7/14/2025 12:36 PM PLOT BY : GARY ELLIAS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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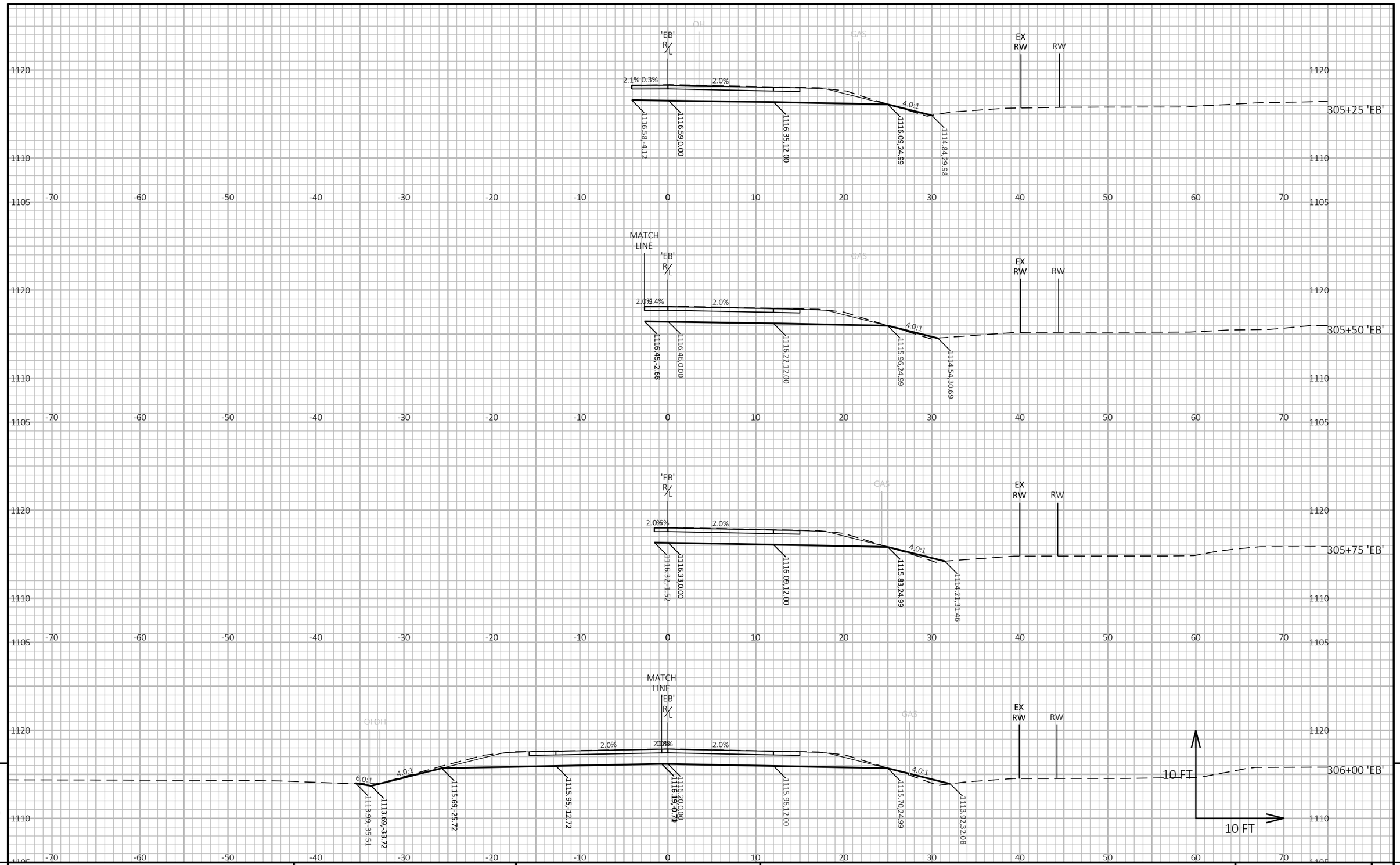
PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'EB'	SHEET 156	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - EBE6

PLOT DATE : 7/14/2025 12:36 PM PLOT BY : GARY ELLIAS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



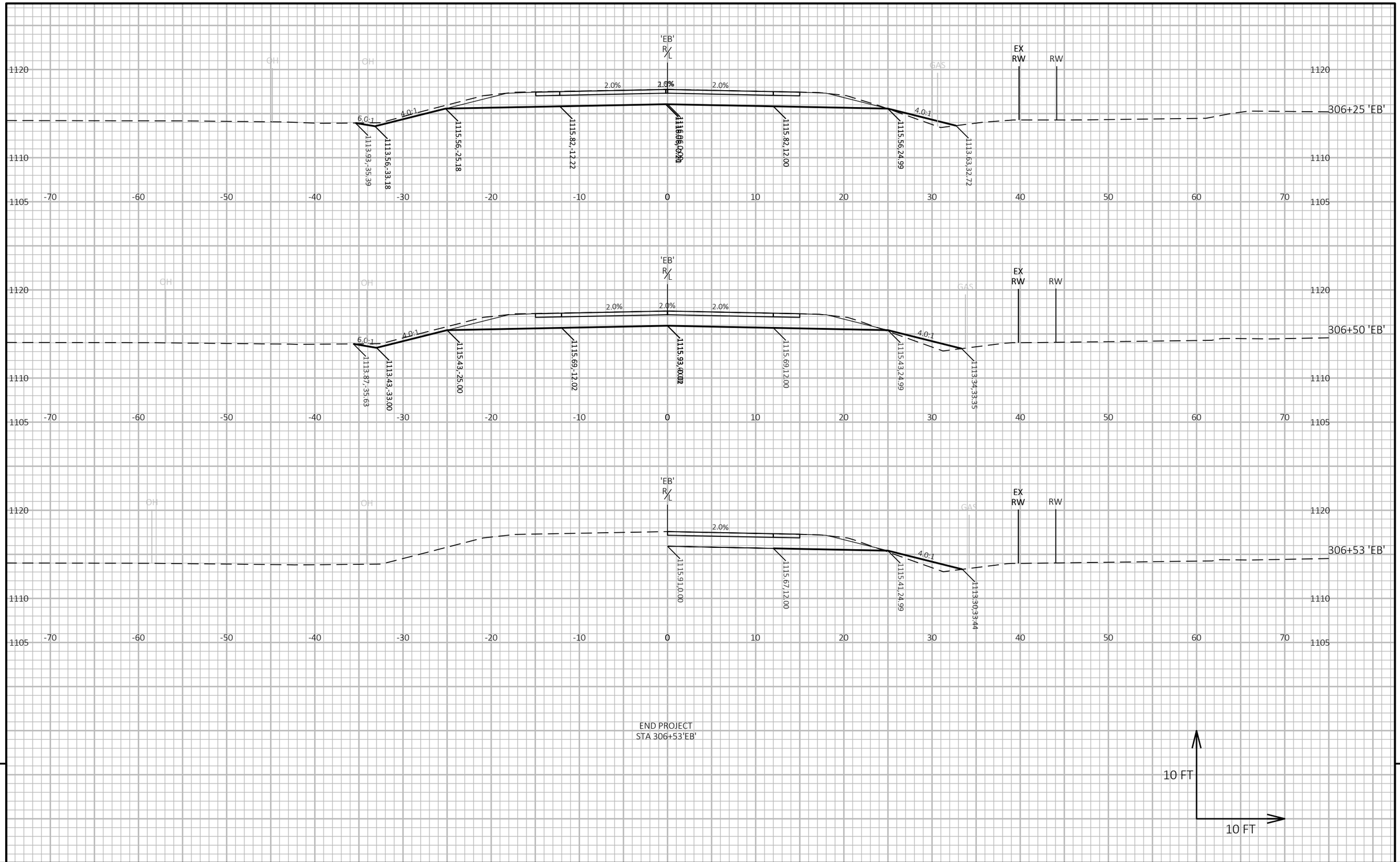
PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'EB'	SHEET 157	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - EBE7

PLOT DATE : 7/14/2025 12:36 PM PLOT BY : GARY ELLIAS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

9 9

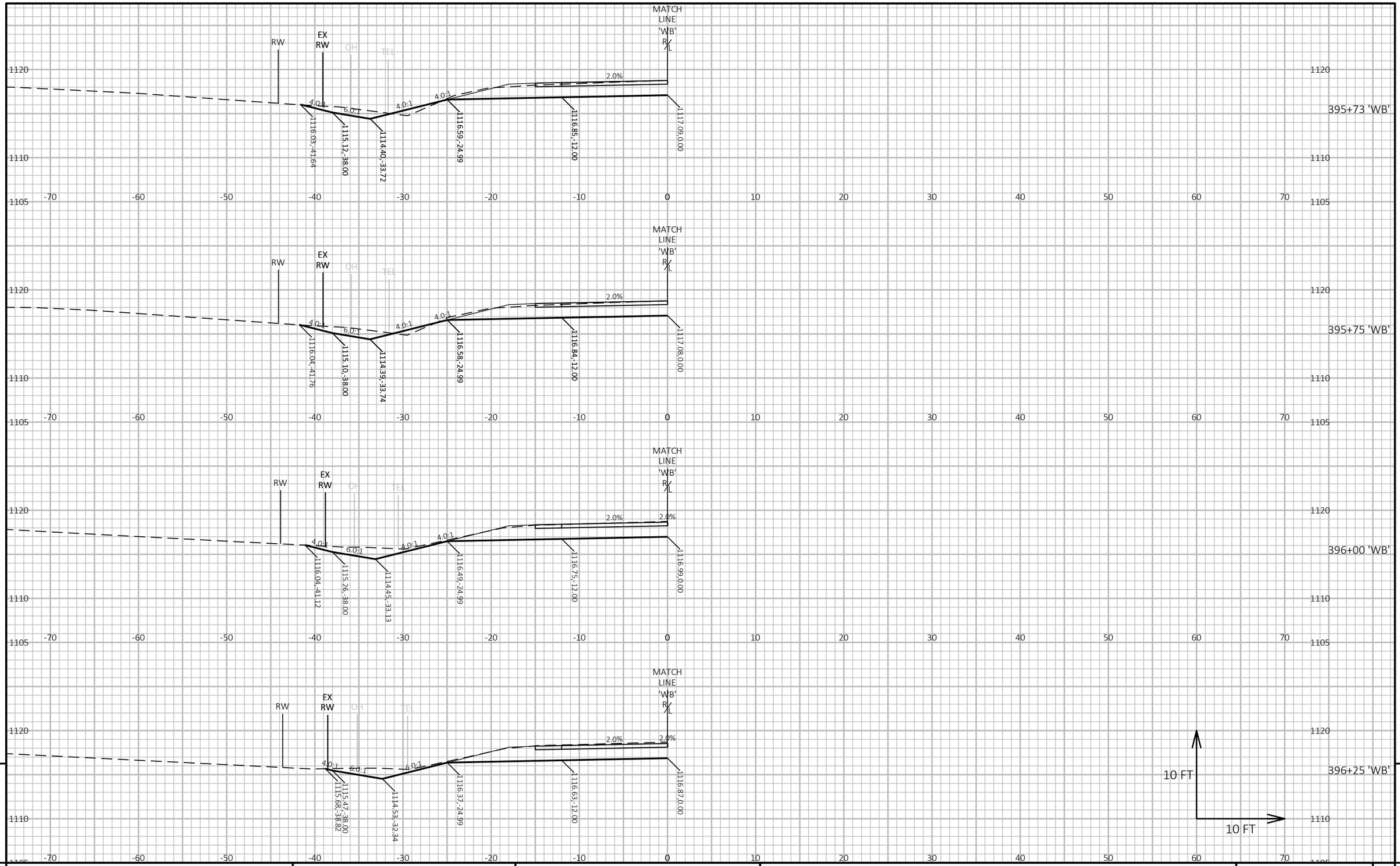


PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'EB'	SHEET 158	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - EBE8

PLOT DATE : 7/14/2025 12:37 PM PLOT BY : GARY ELLIAS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'WB'	SHEET 159	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - WBW1

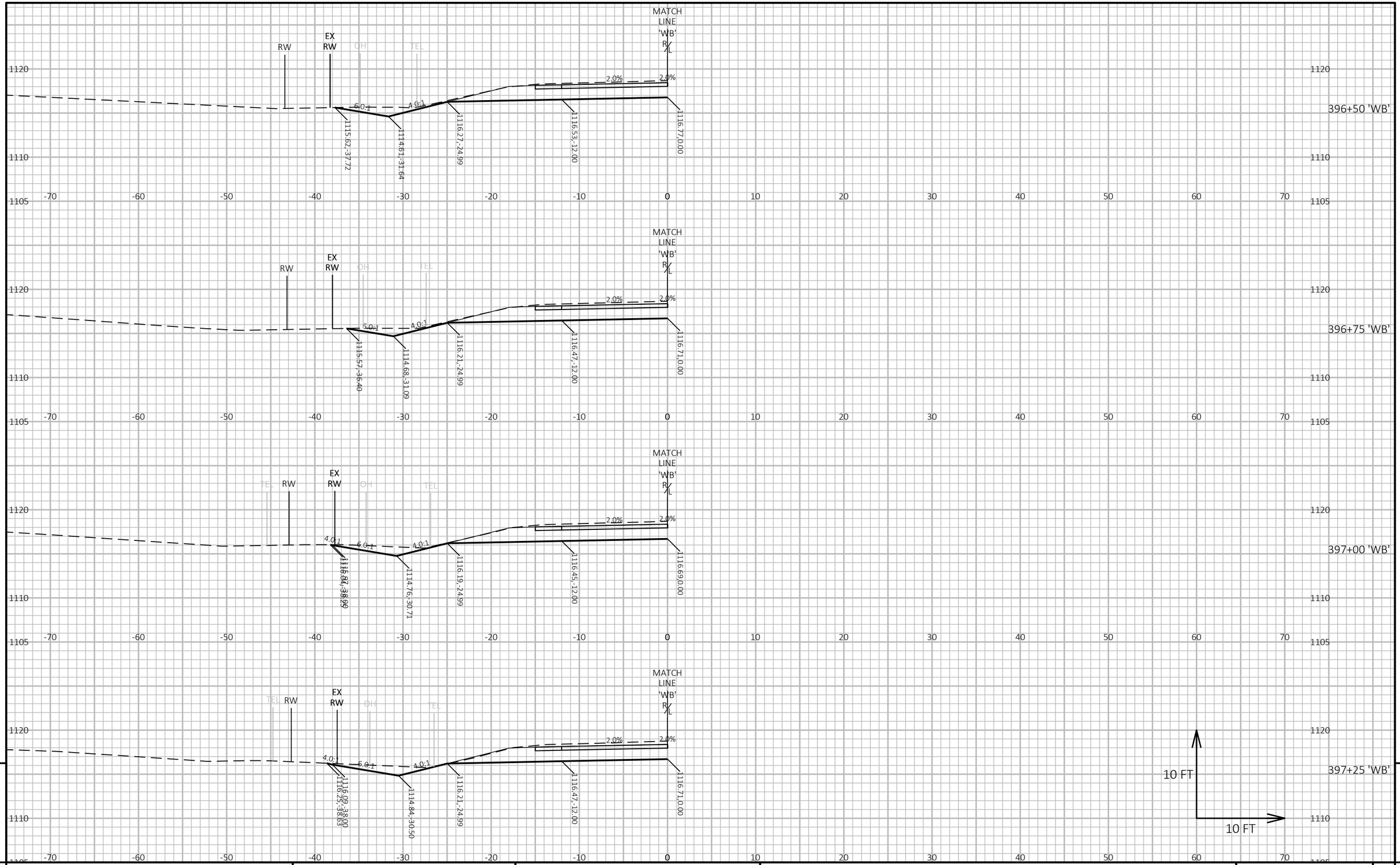
PLOT DATE : 7/14/2025 12:37 PM

PLOT BY : GARY ELLIAS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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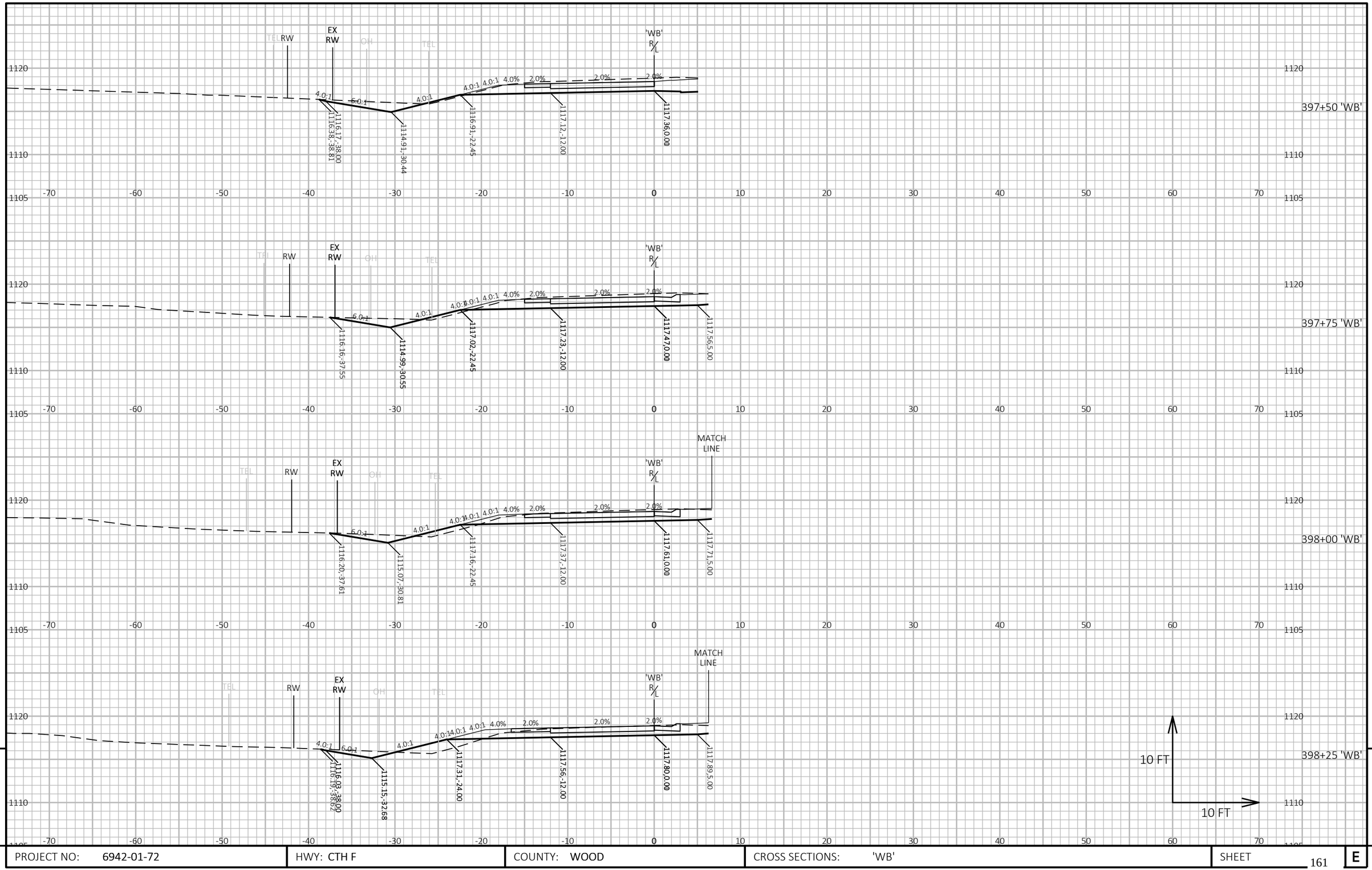
PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'WB'	SHEET 160	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - WBW2

PLOT DATE : 7/14/2025 12:37 PM PLOT BY : GARY ELLIAS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'WB'	SHEET 161	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - WBW3

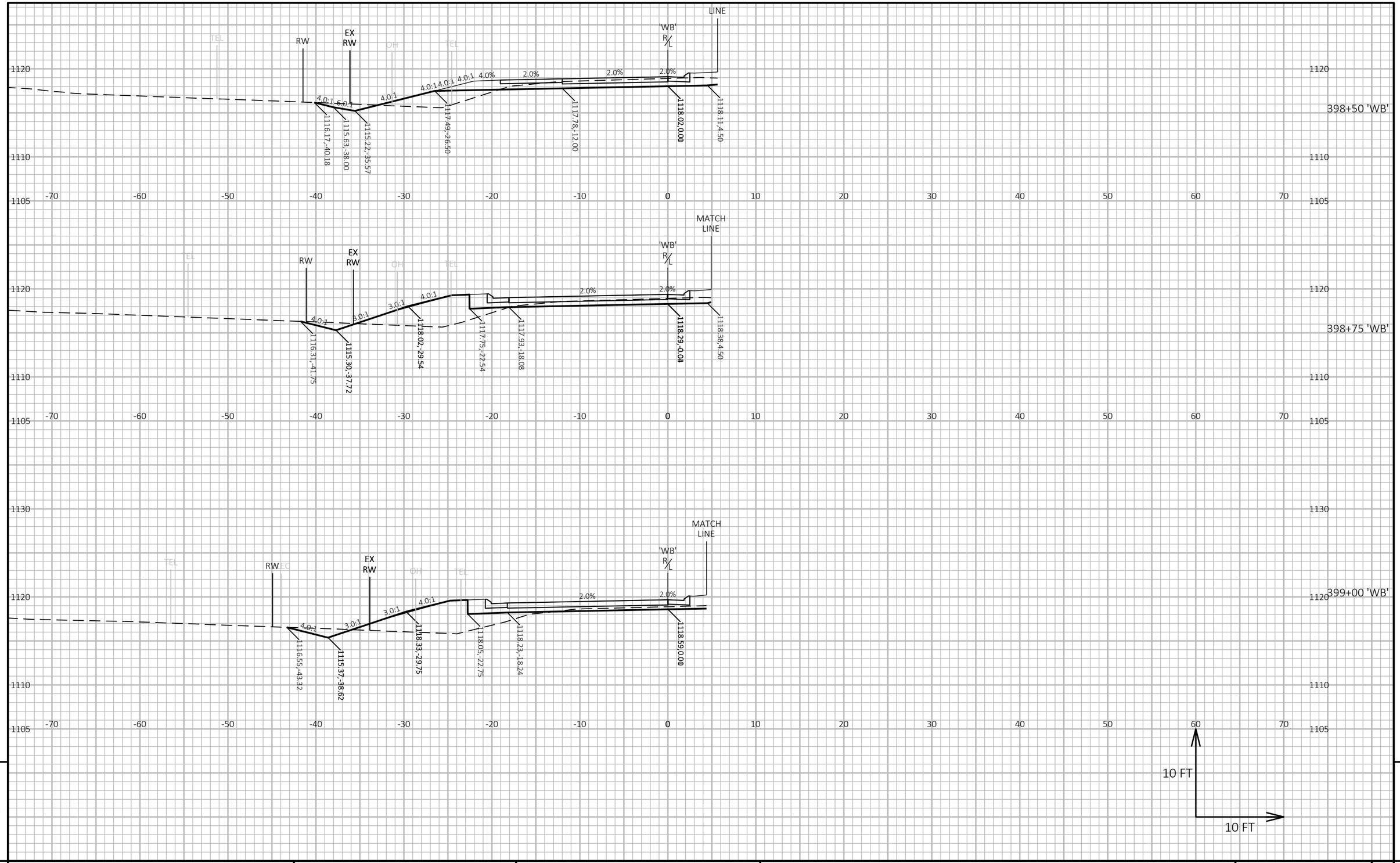
PLOT DATE : 7/14/2025 12:37 PM

PLOT BY : GARY ELLIAS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'WB'	SHEET 162	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - WBW4

PLOT DATE : 7/14/2025 12:37 PM PLOT BY : GARY ELLIAS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

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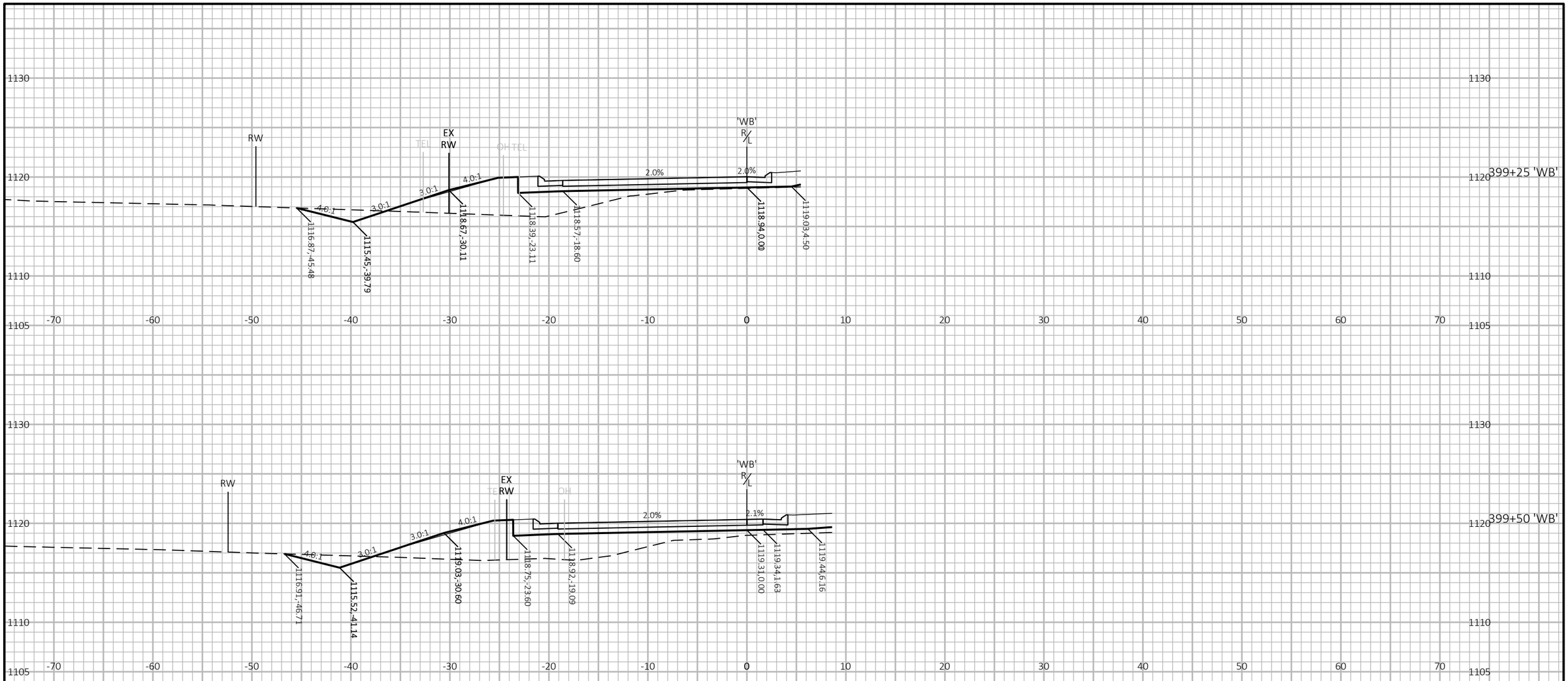

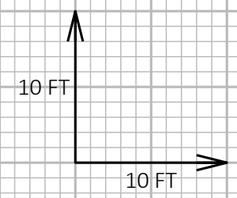

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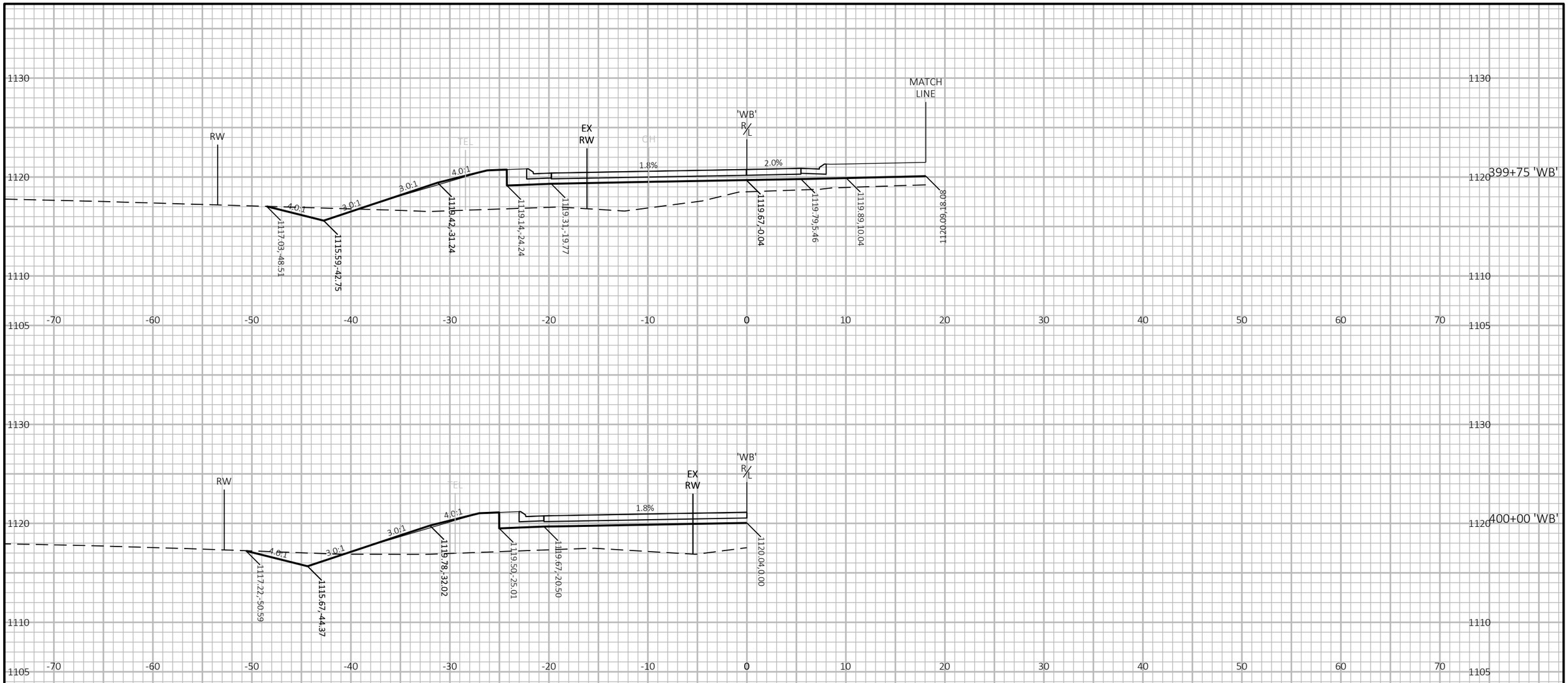
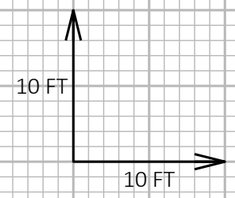
PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'WB'	SHEET 163	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - WBW5

PLOT DATE : 7/14/2025 12:37 PM PLOT BY : GARY ELLIAS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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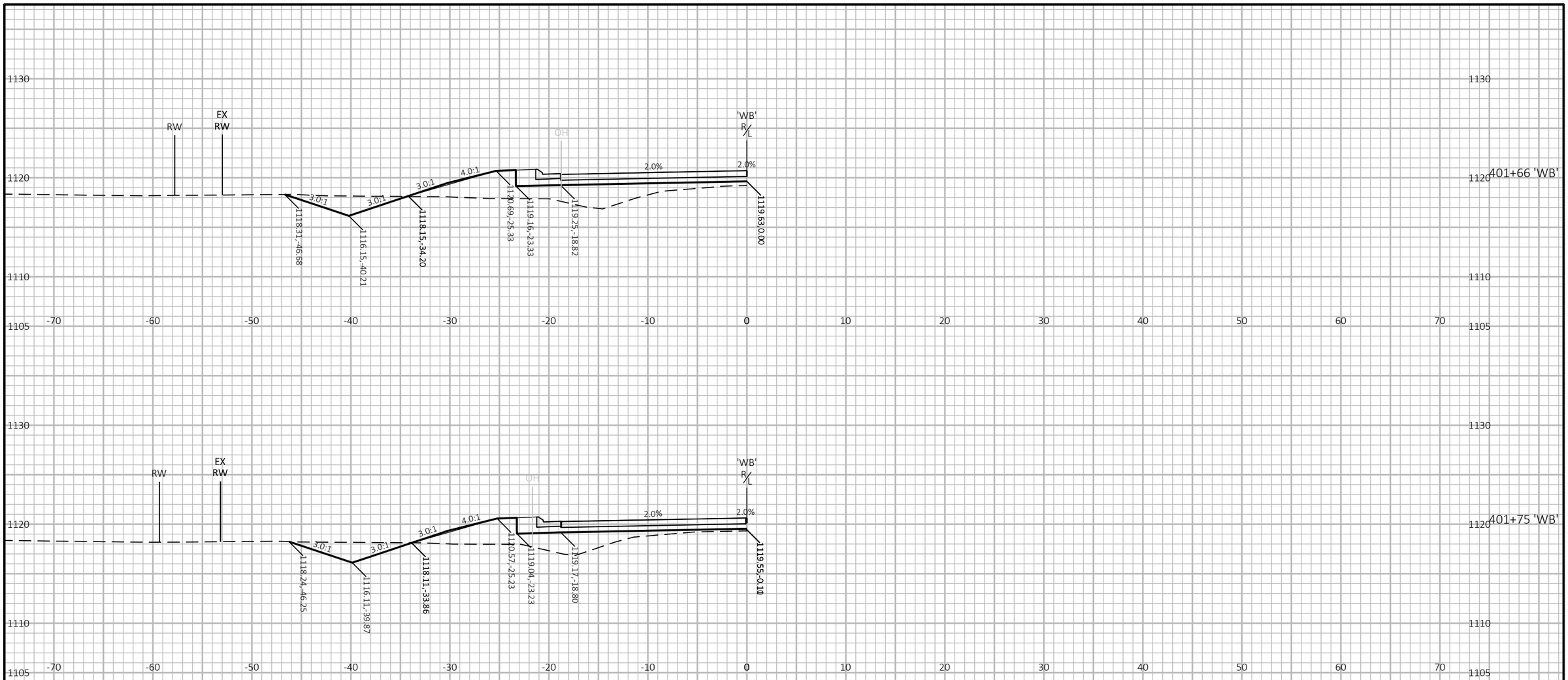
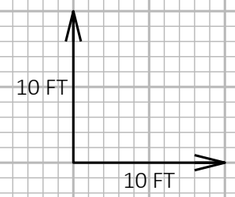
PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'WB'	SHEET 164	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - WBW6

PLOT DATE : 7/14/2025 12:37 PM PLOT BY : GARY ELLIAS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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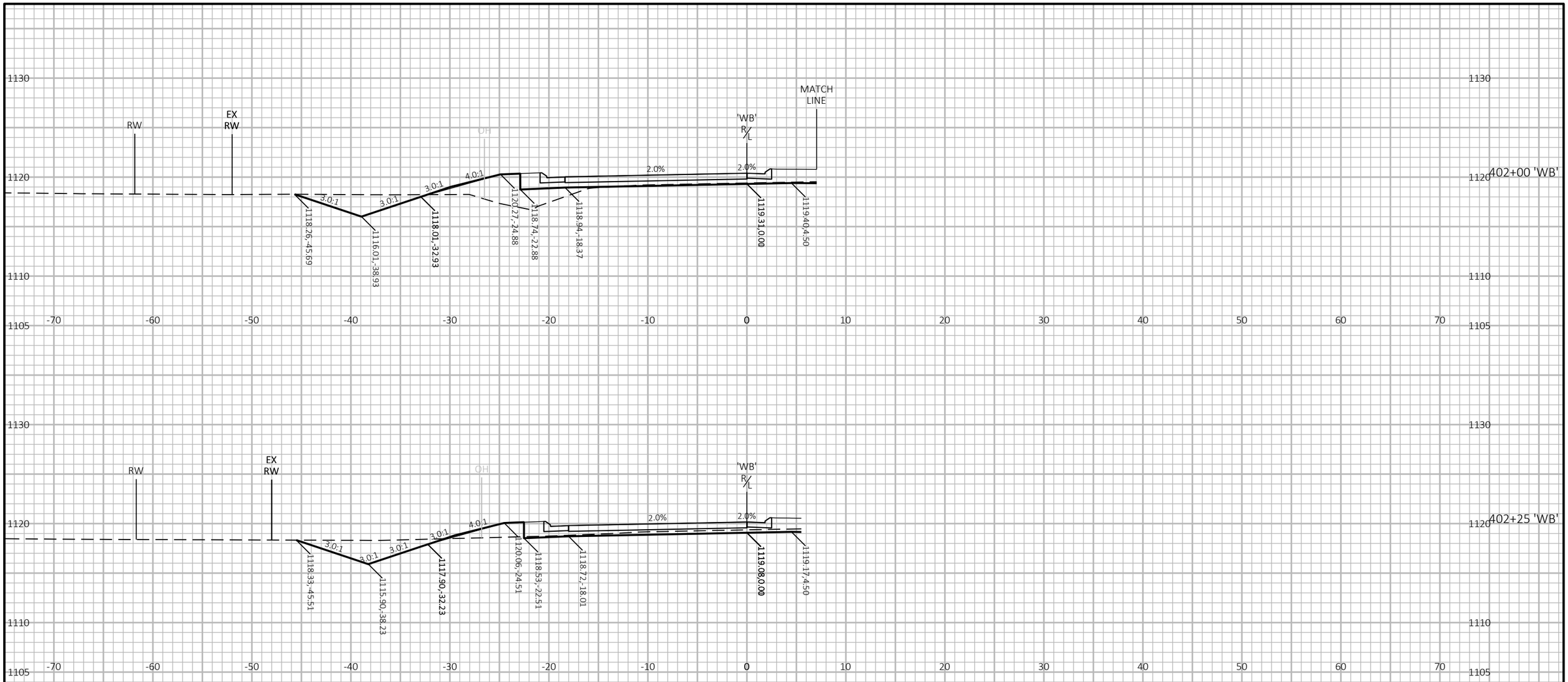
PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'WB'	SHEET 165	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - WBE1

PLOT DATE : 7/14/2025 12:37 PM PLOT BY : GARY ELLIAS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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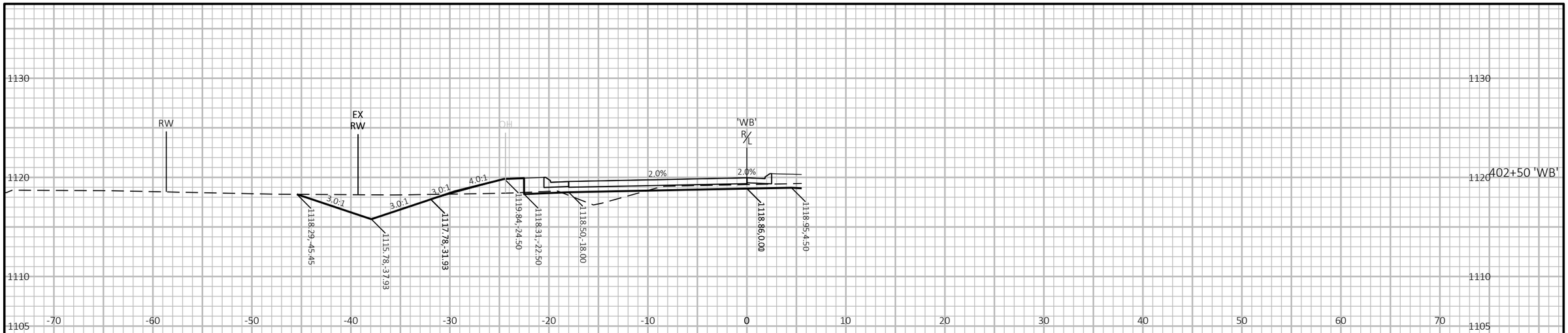
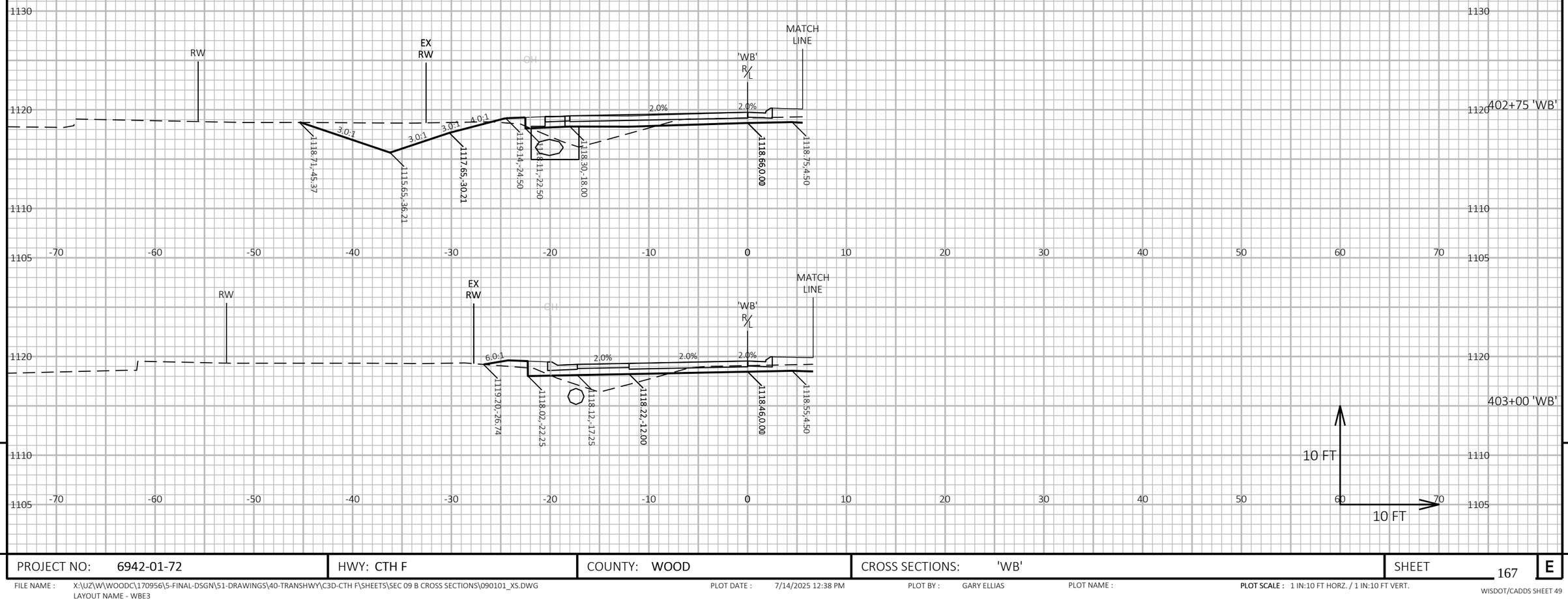
PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'WB'	SHEET 166	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - WBE2

PLOT DATE : 7/14/2025 12:38 PM PLOT BY : GARY ELLIAS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'WB'	SHEET 167	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - WBE3

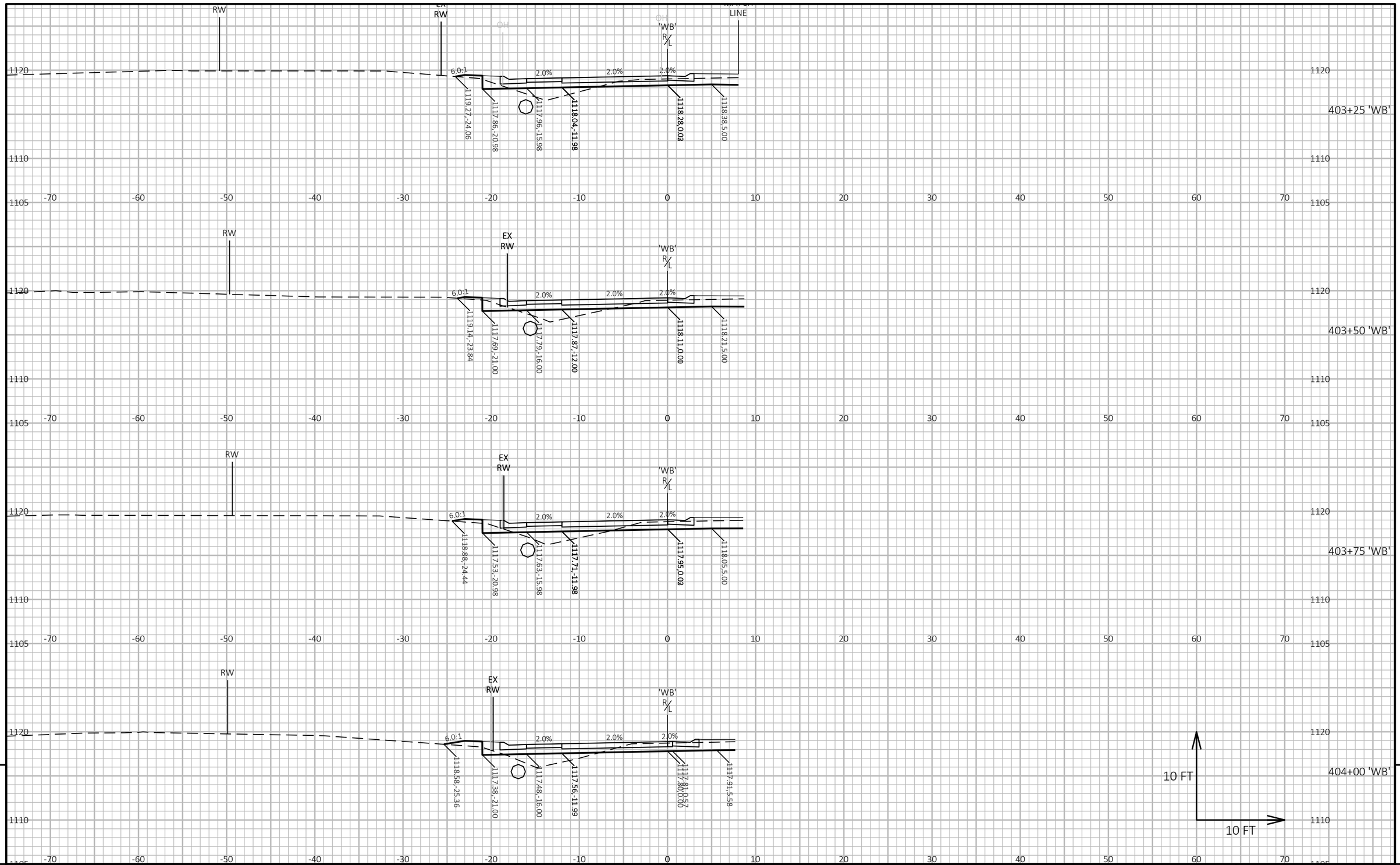
PLOT DATE : 7/14/2025 12:38 PM

PLOT BY : GARY ELLIAS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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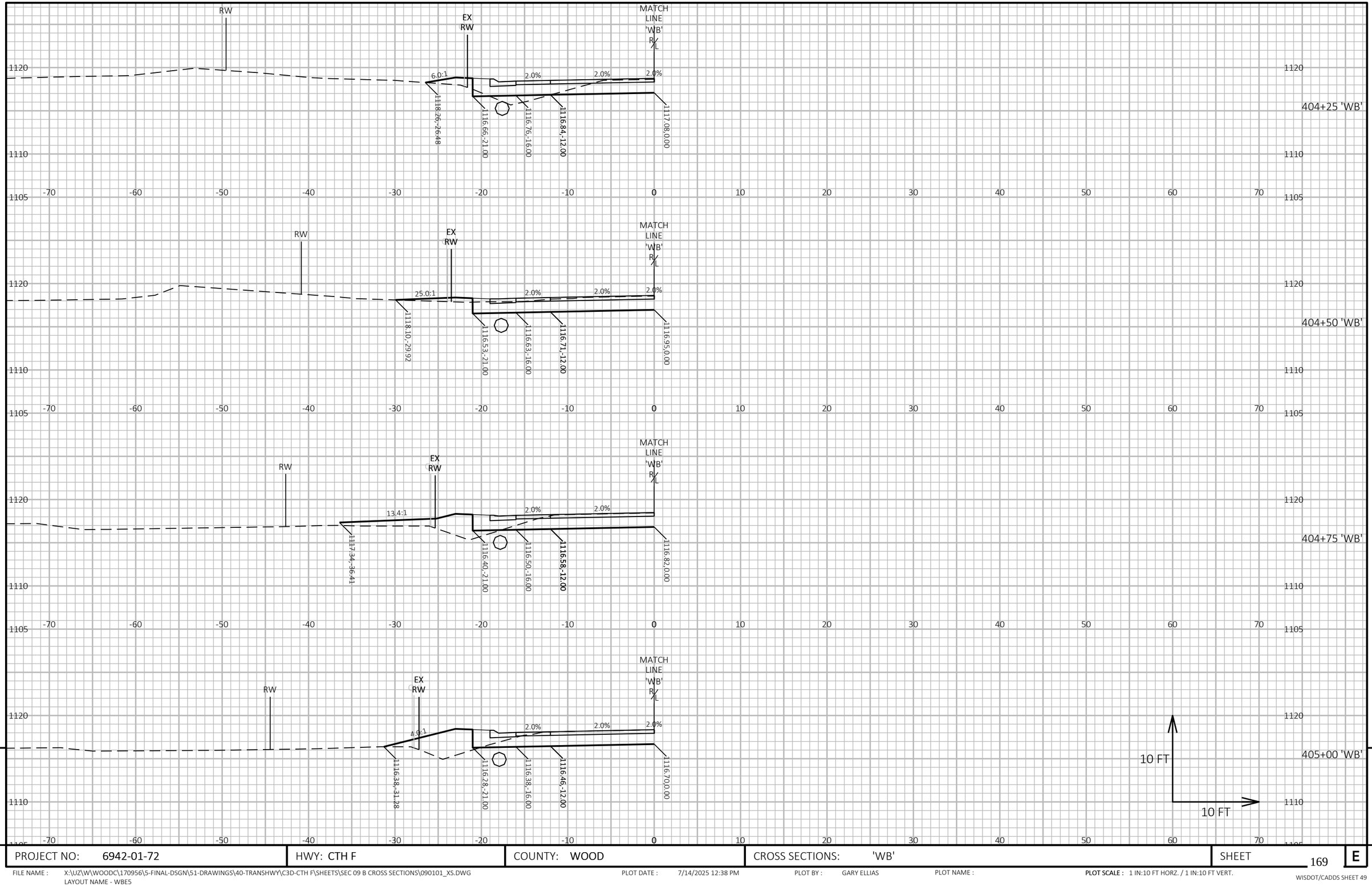
PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'WB'	SHEET 168	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - WBE4

PLOT DATE : 7/14/2025 12:38 PM PLOT BY : GARY ELLIAS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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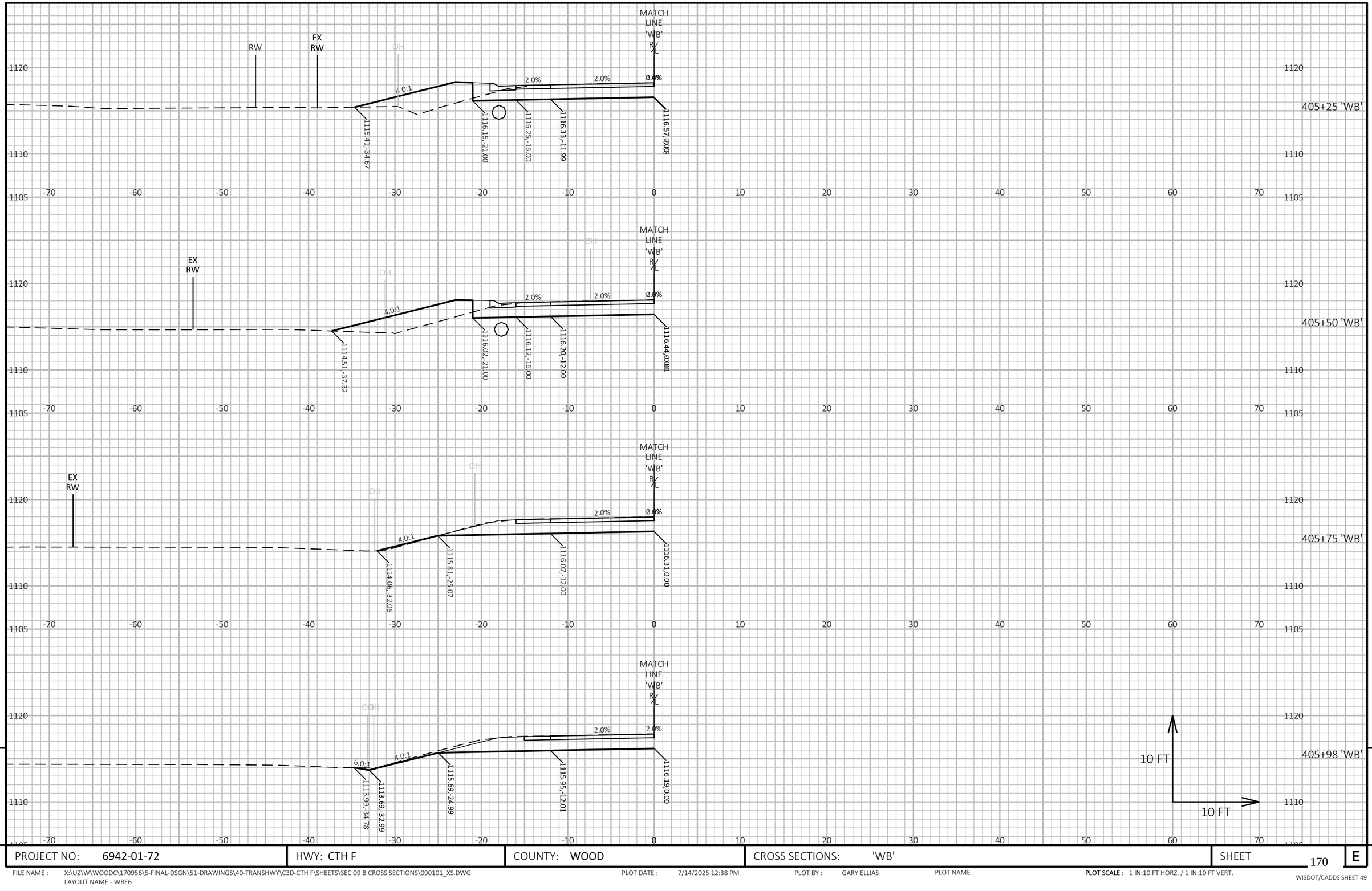
PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'WB'	SHEET 169	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - WBE5

PLOT DATE : 7/14/2025 12:38 PM PLOT BY : GARY ELLIAS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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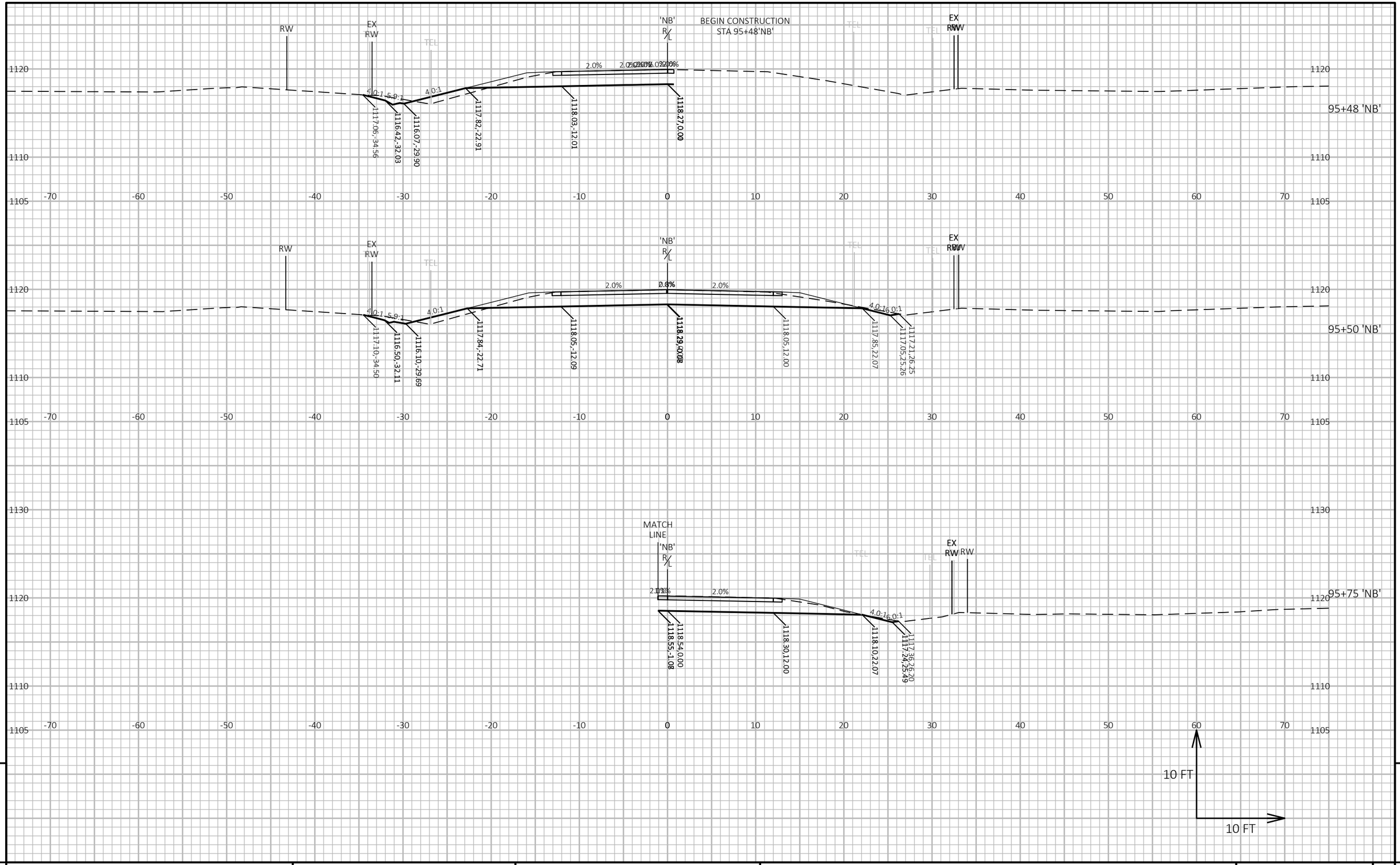
PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'WB'	SHEET 170	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - WBE6

PLOT DATE : 7/14/2025 12:38 PM PLOT BY : GARY ELLIAS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'NB'	SHEET 171	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - NBS1

PLOT DATE : 7/14/2025 12:38 PM PLOT BY : GARY ELLIAS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

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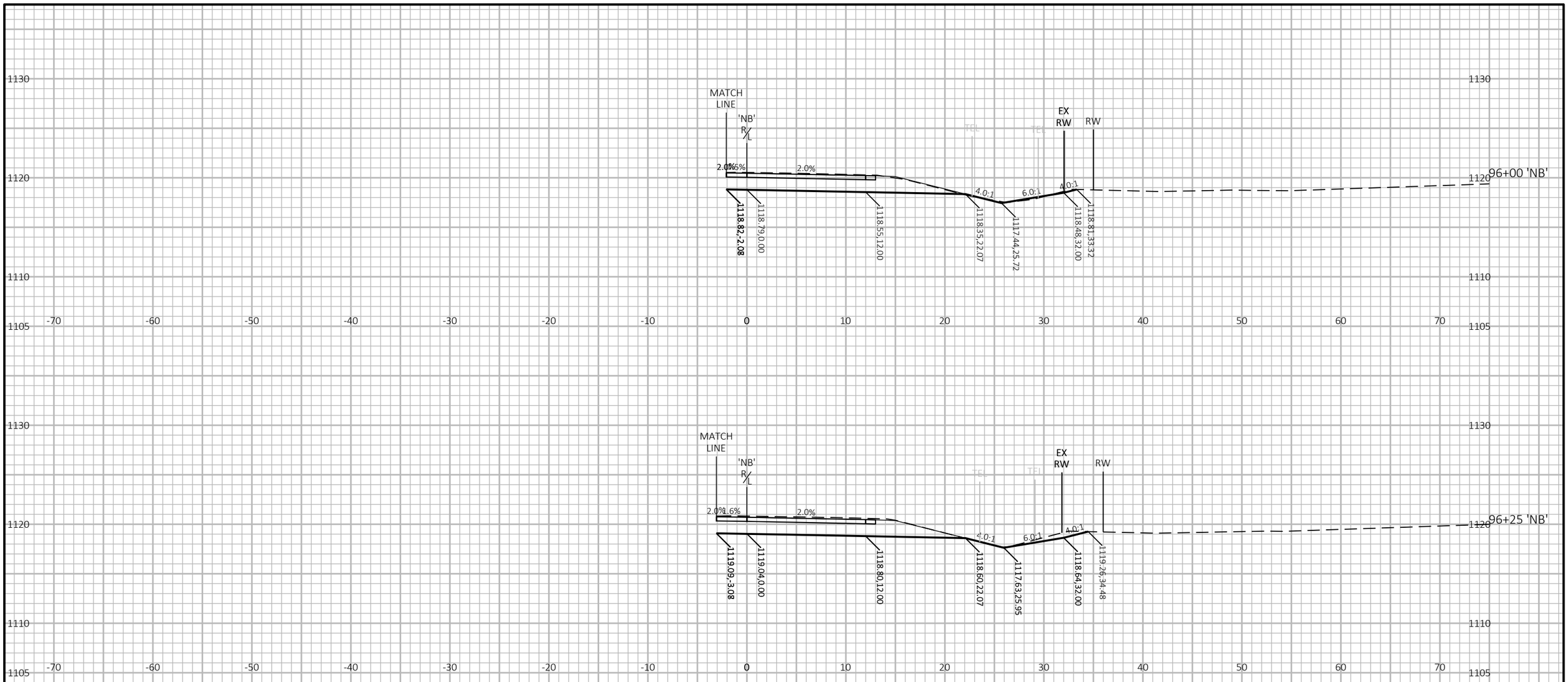

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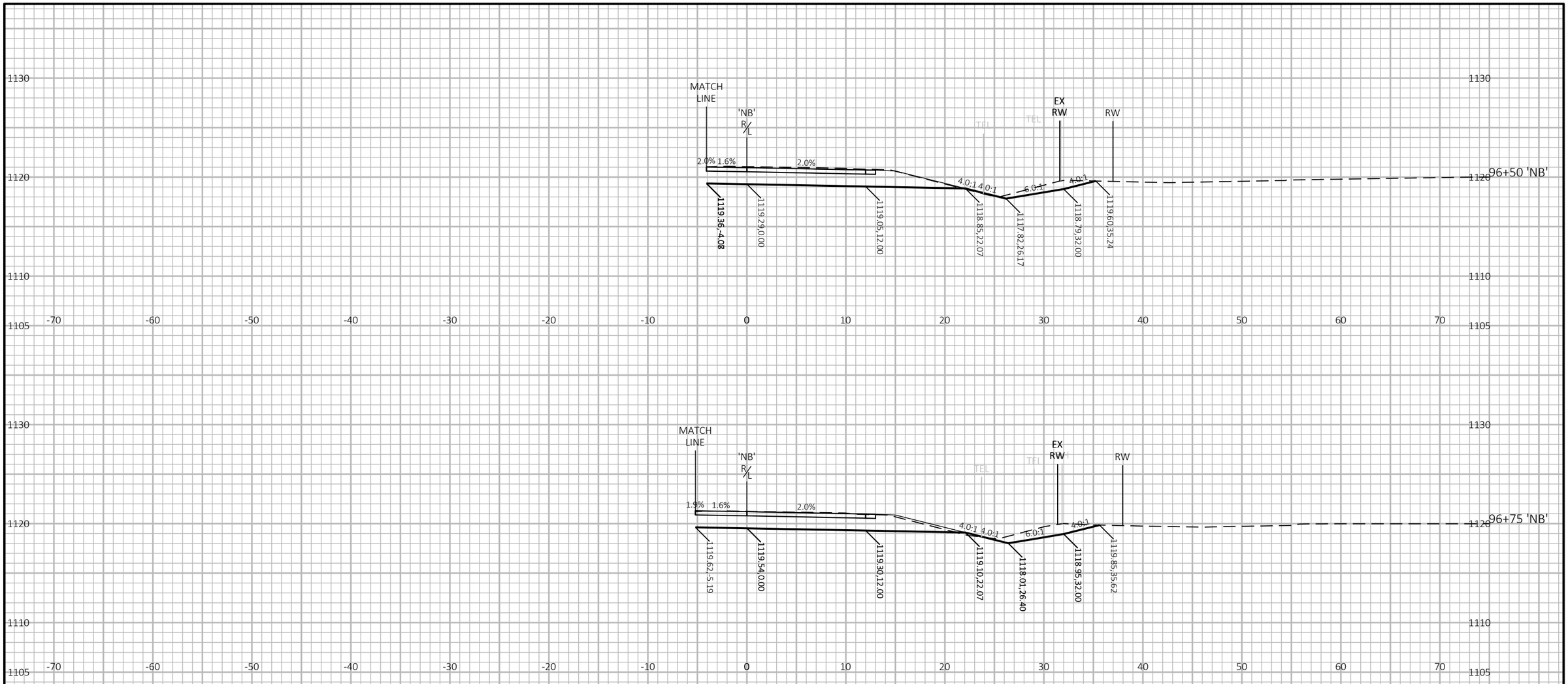
9

PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'NB'	SHEET 172	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - NBS2

PLOT DATE : 7/14/2025 12:38 PM PLOT BY : GARY ELLIAS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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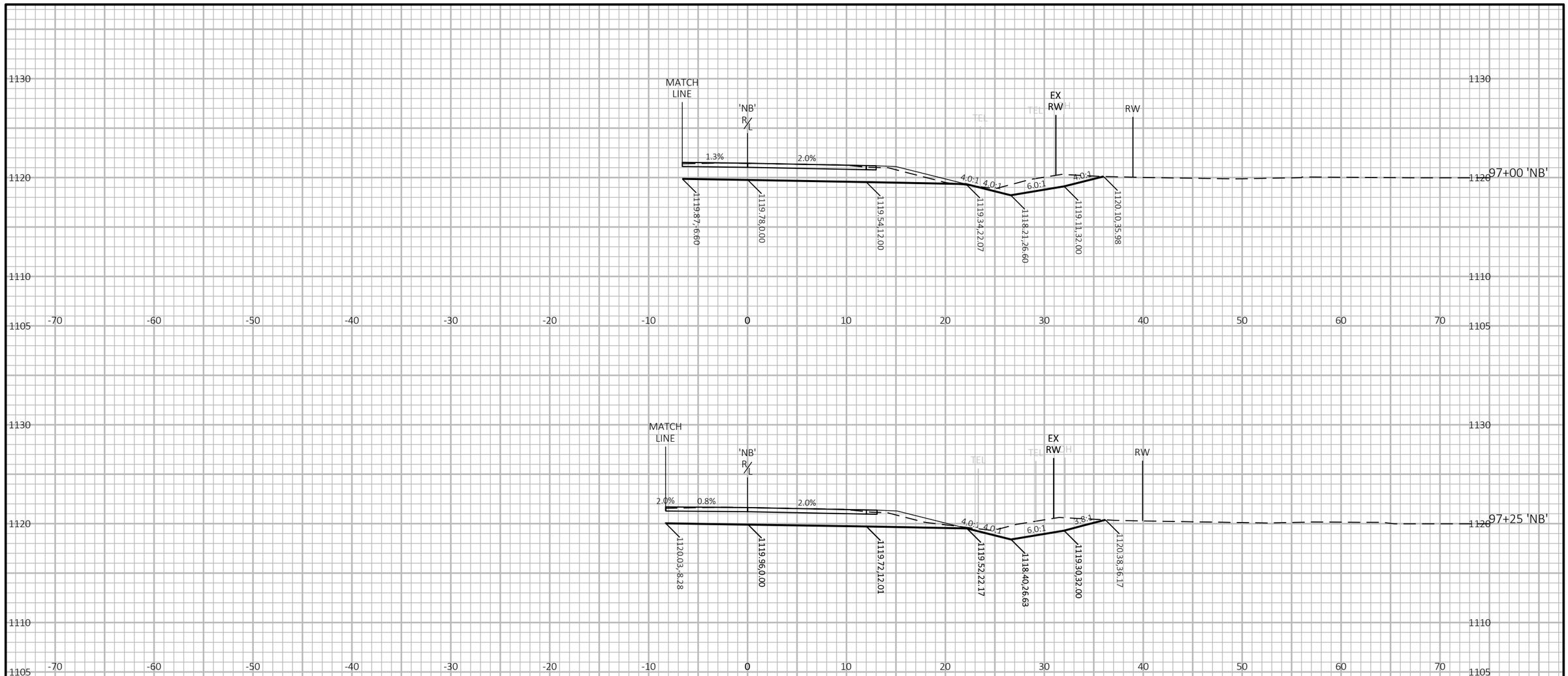
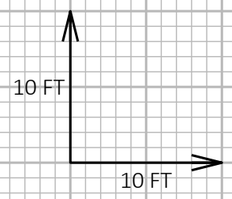
PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'NB'	SHEET 173	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - NBS3

PLOT DATE : 7/14/2025 12:39 PM PLOT BY : GARY ELLIAS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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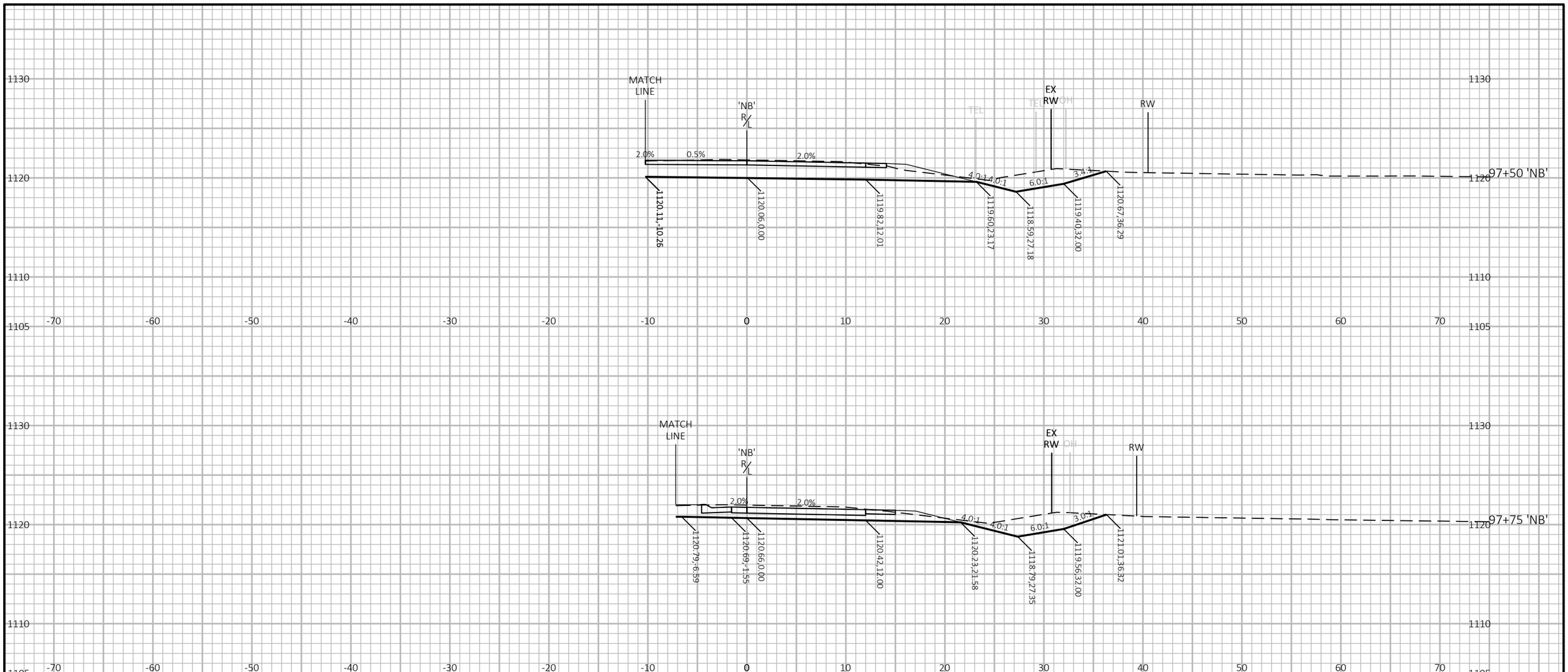
9

PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'NB'	SHEET 174	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - NBS4

PLOT DATE : 7/14/2025 12:39 PM PLOT BY : GARY ELLIAS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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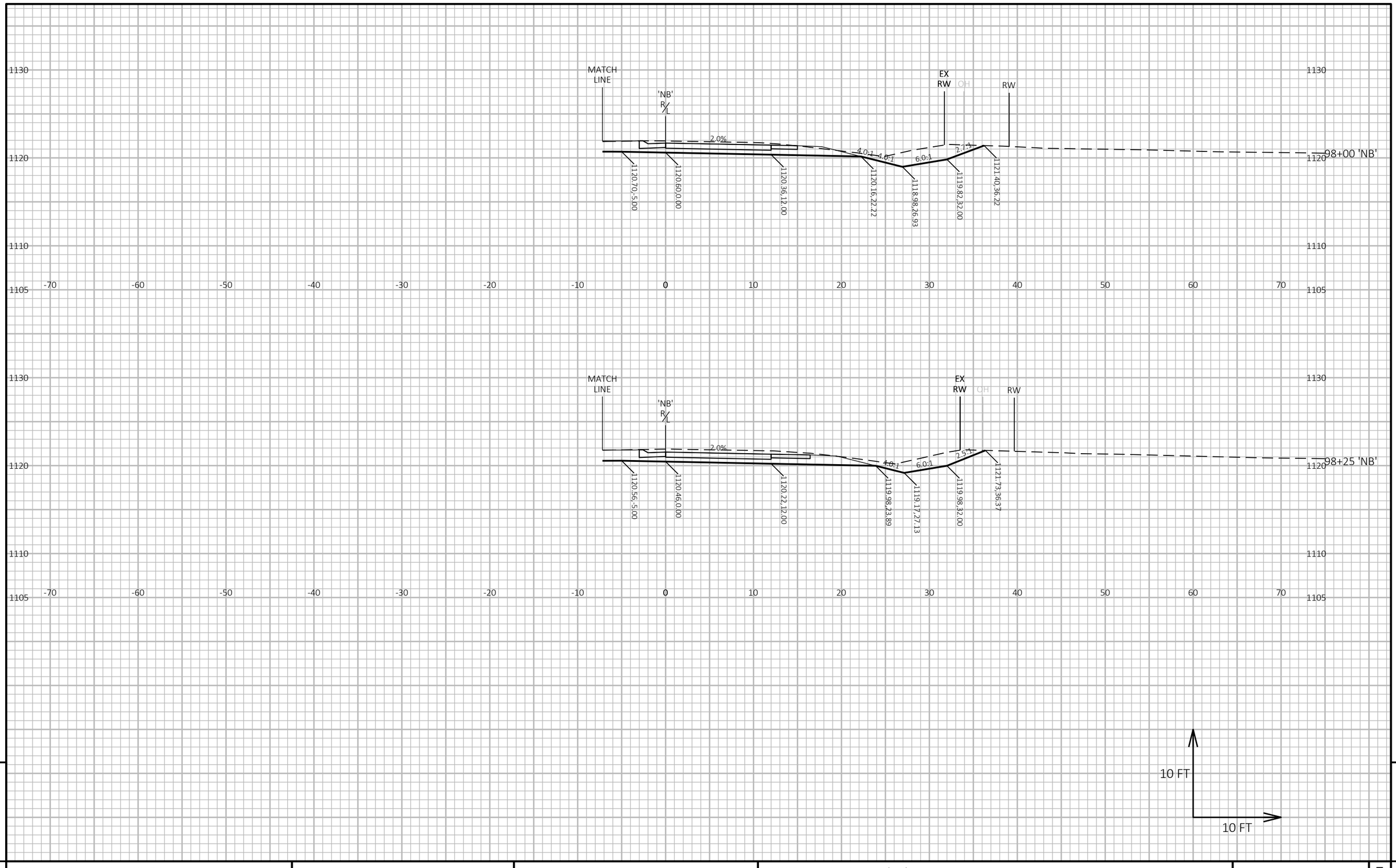
PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'NB'	SHEET 175	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - NBSS

PLOT DATE : 7/14/2025 12:39 PM PLOT BY : GARY ELLIAS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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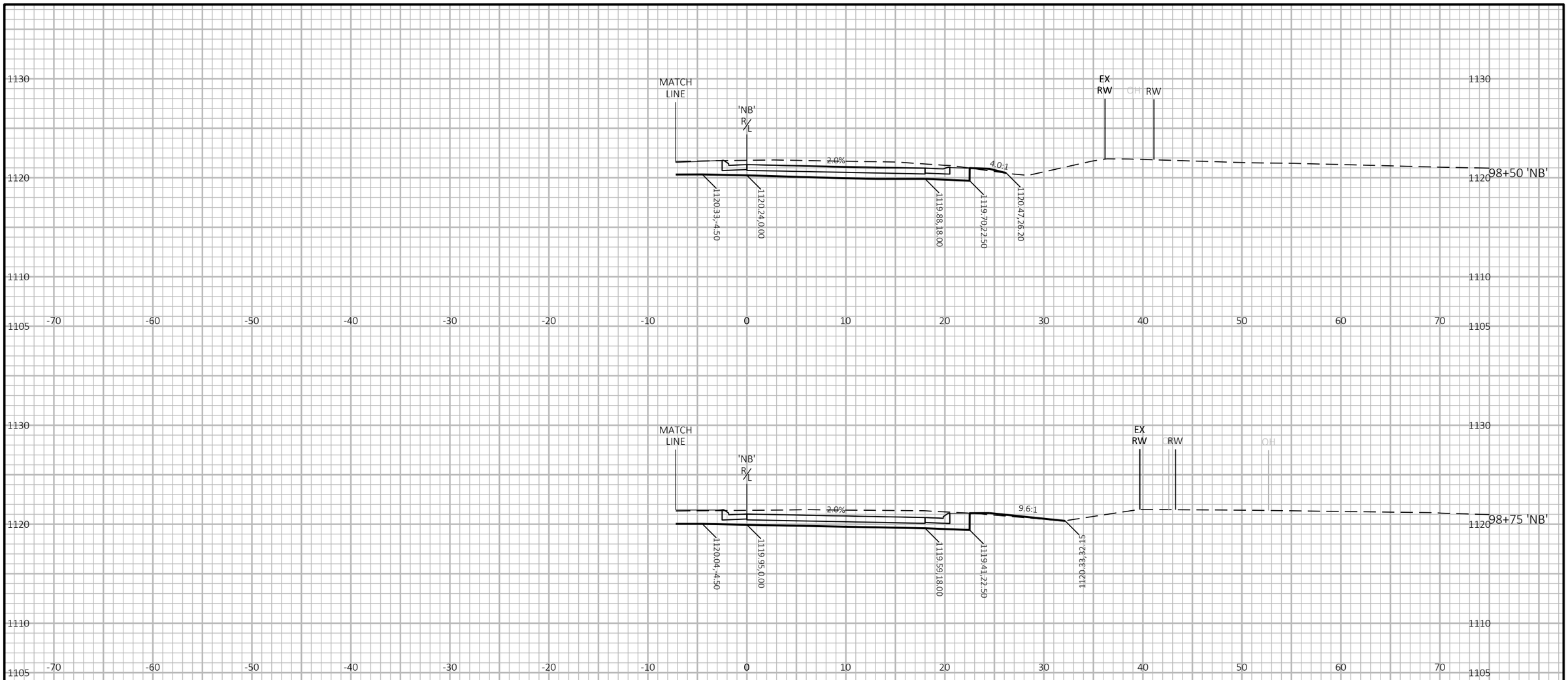
PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'NB'	SHEET 176	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - NBS6

PLOT DATE : 7/14/2025 12:39 PM PLOT BY : GARY ELLIAS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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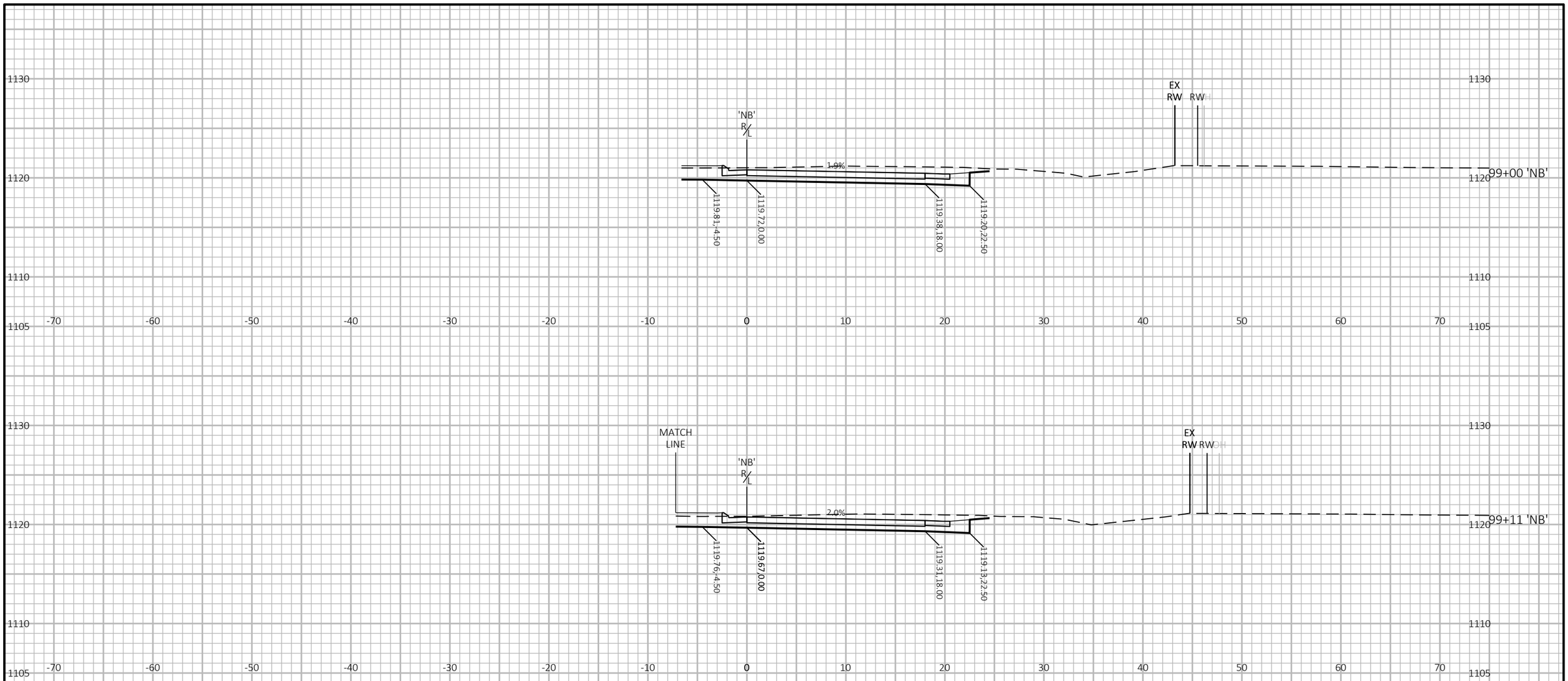
PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'NB'	SHEET 177	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - NBS7

PLOT DATE : 7/14/2025 12:39 PM PLOT BY : GARY ELLIAS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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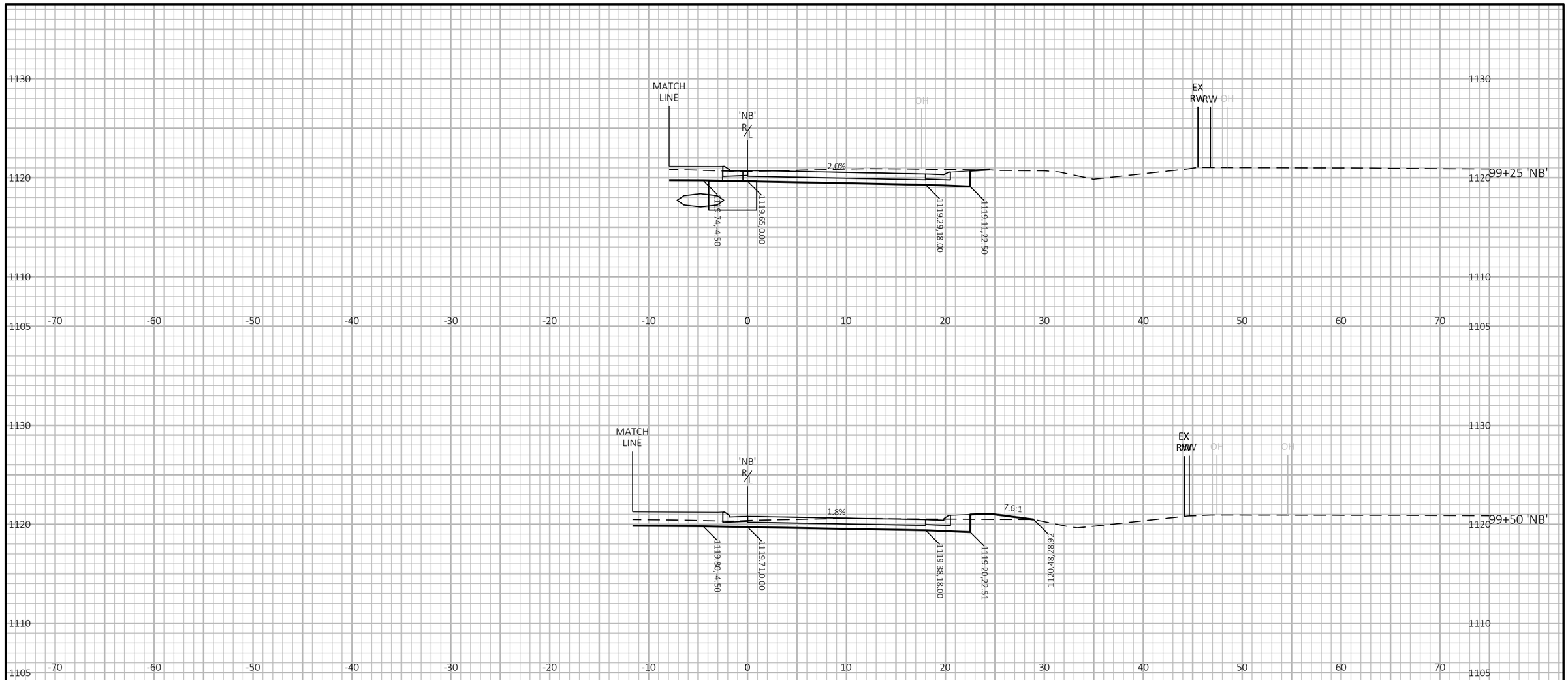
PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'NB'	SHEET 178	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - NBS8

PLOT DATE : 7/14/2025 12:39 PM PLOT BY : GARY ELLIAS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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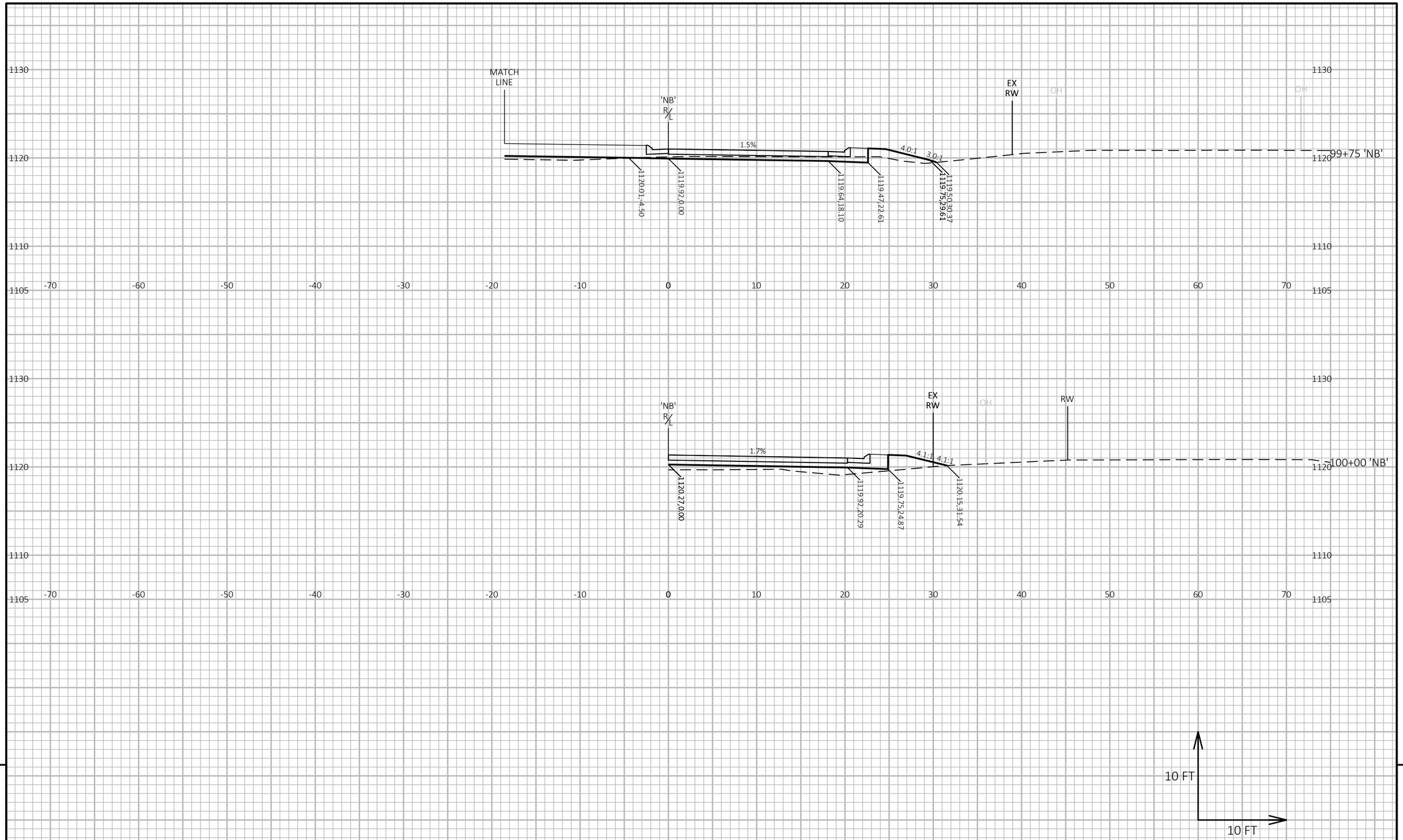
PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'NB'	SHEET 179	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - NBS9

PLOT DATE : 7/14/2025 12:39 PM PLOT BY : GARY ELLIAS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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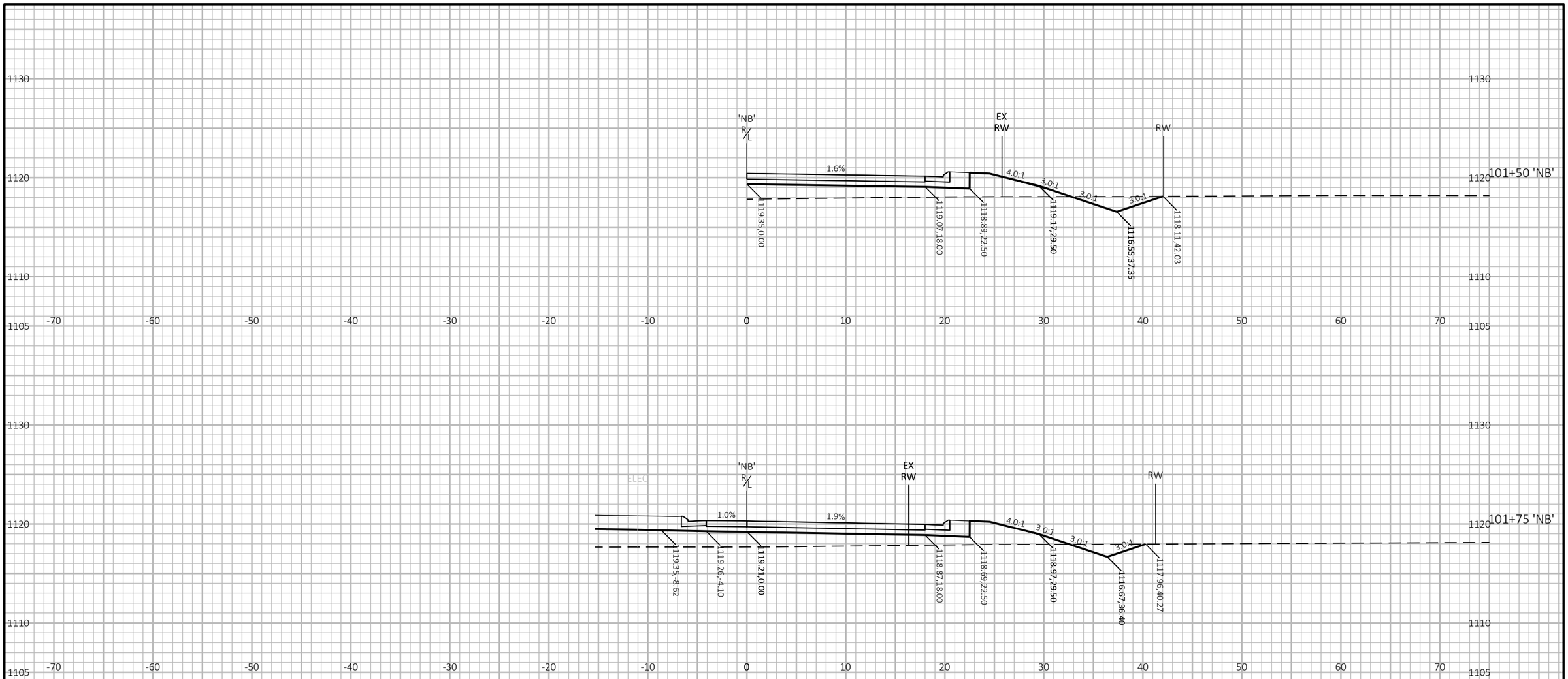
PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'NB'	SHEET 180	E

FILE NAME : X:\UZ\W\WOODC\1709561\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - NBS10

PLOT DATE : 7/14/2025 12:40 PM PLOT BY : GARY ELLIAS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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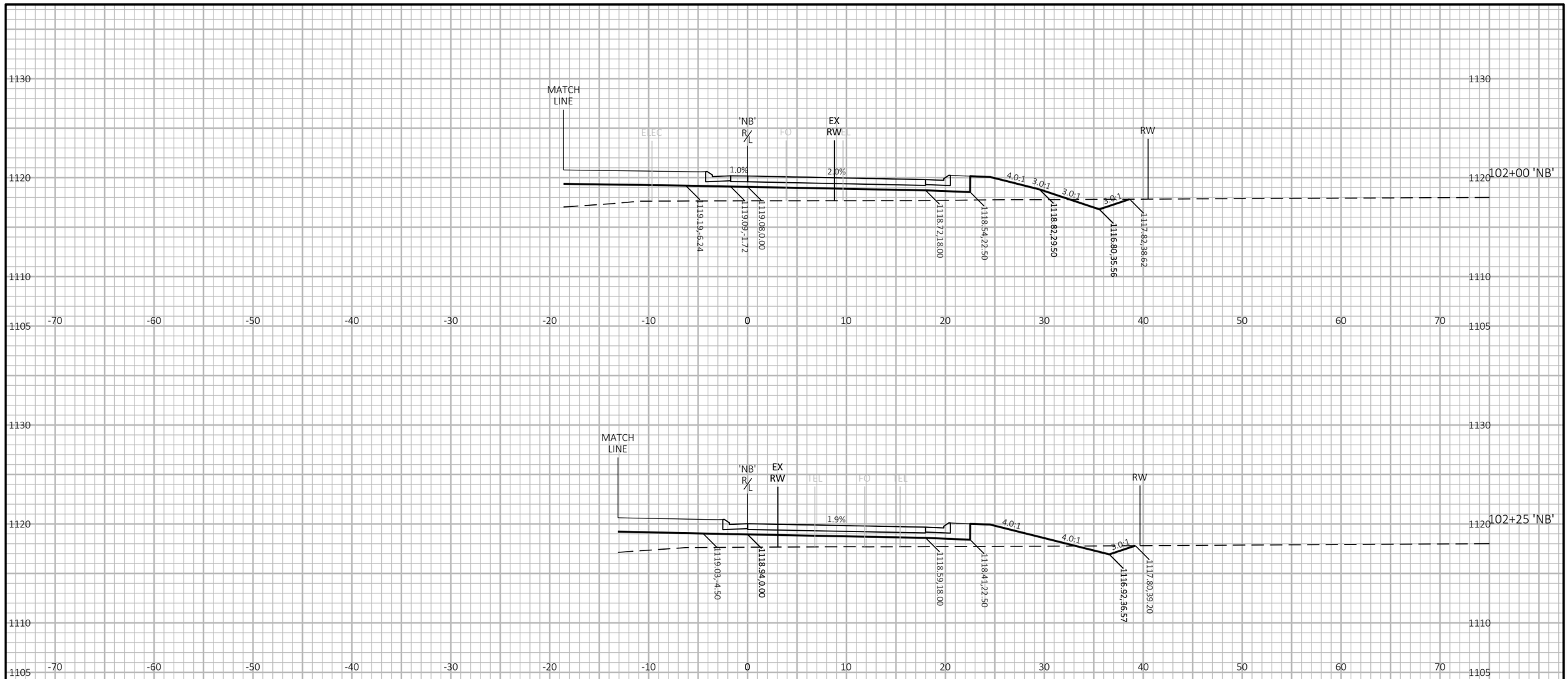
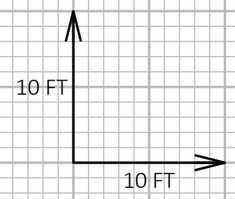
PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'NB'	SHEET 181	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - NBN1

PLOT DATE : 7/14/2025 12:40 PM PLOT BY : GARY ELLIAS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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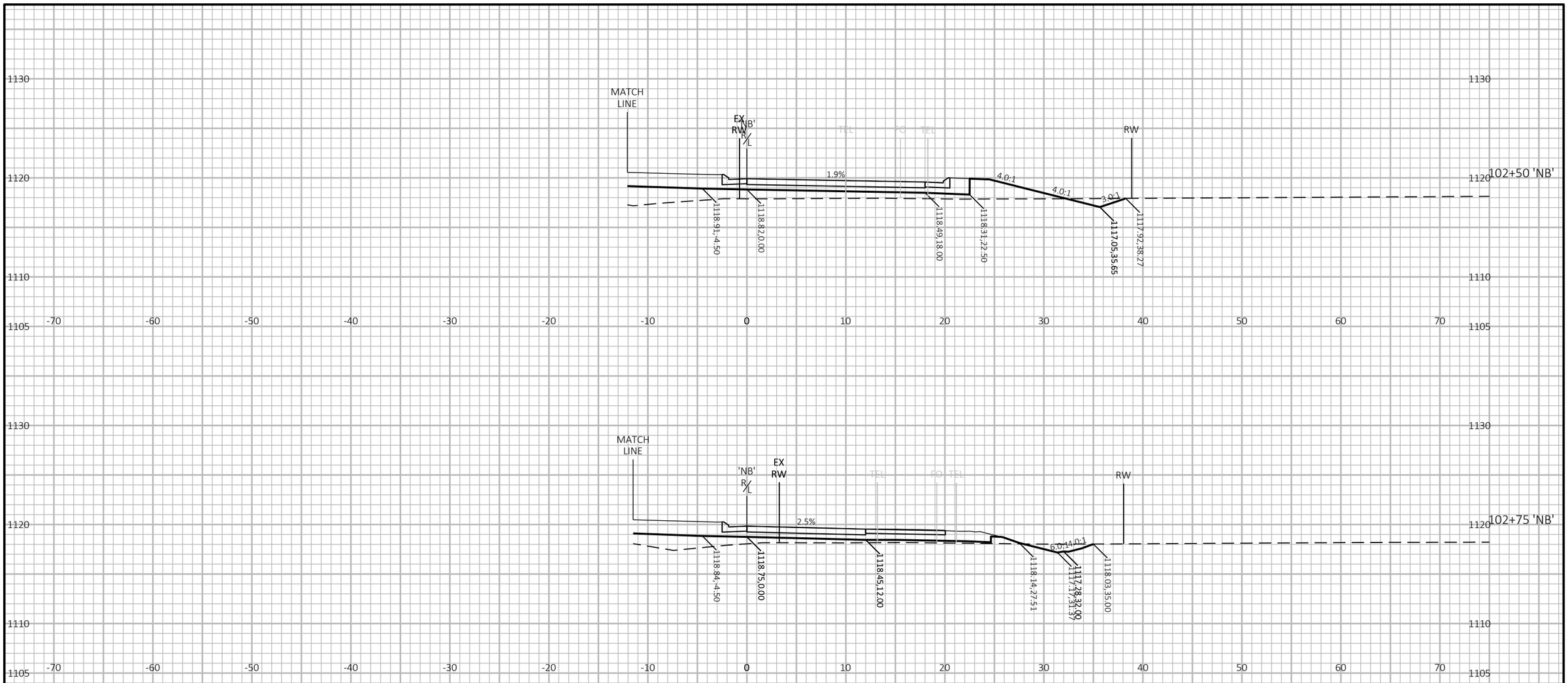
PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'NB'	SHEET 182	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - NBN2

PLOT DATE : 7/14/2025 12:40 PM PLOT BY : GARY ELLIAS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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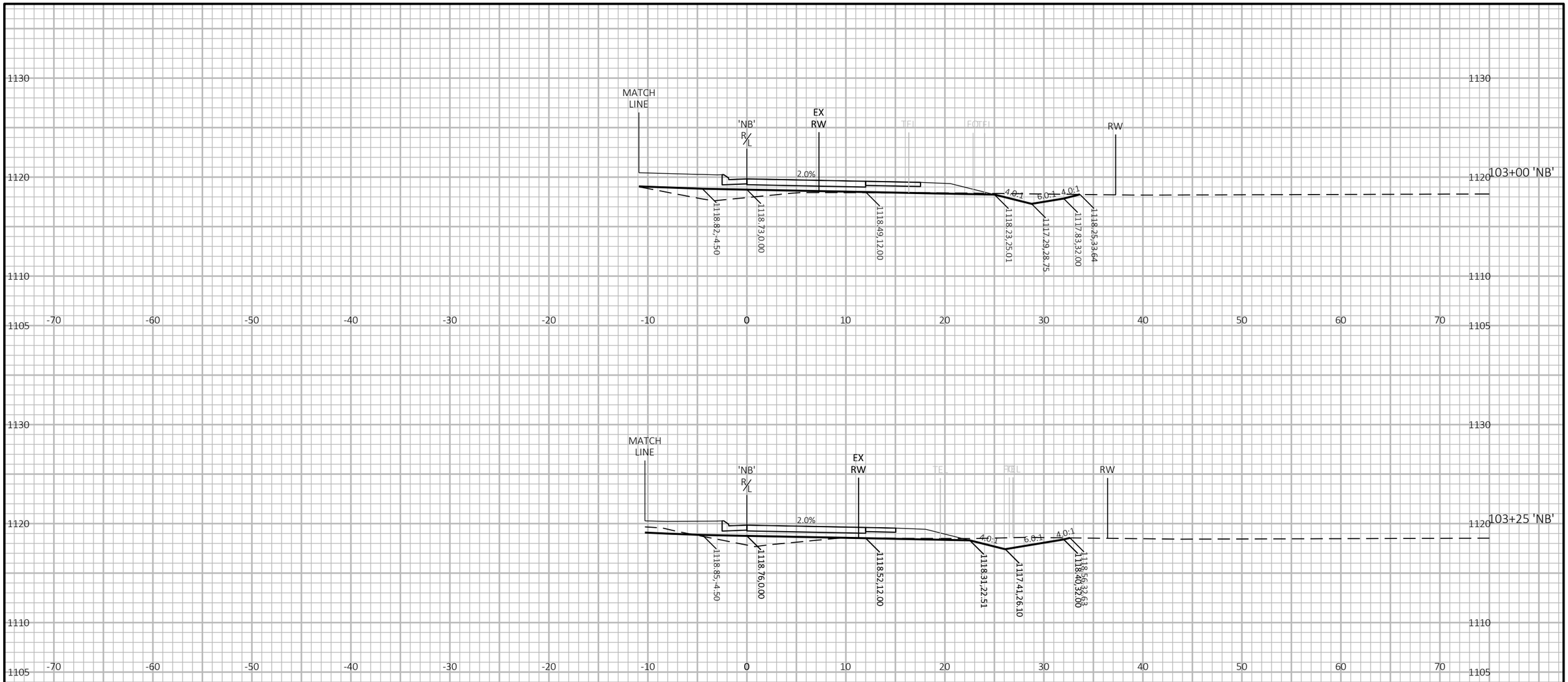
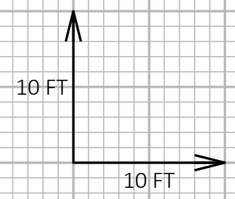
PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'NB'	SHEET 183	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - NBN3

PLOT DATE : 7/14/2025 12:40 PM PLOT BY : GARY ELLIAS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'NB'	SHEET 184	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - NBN4

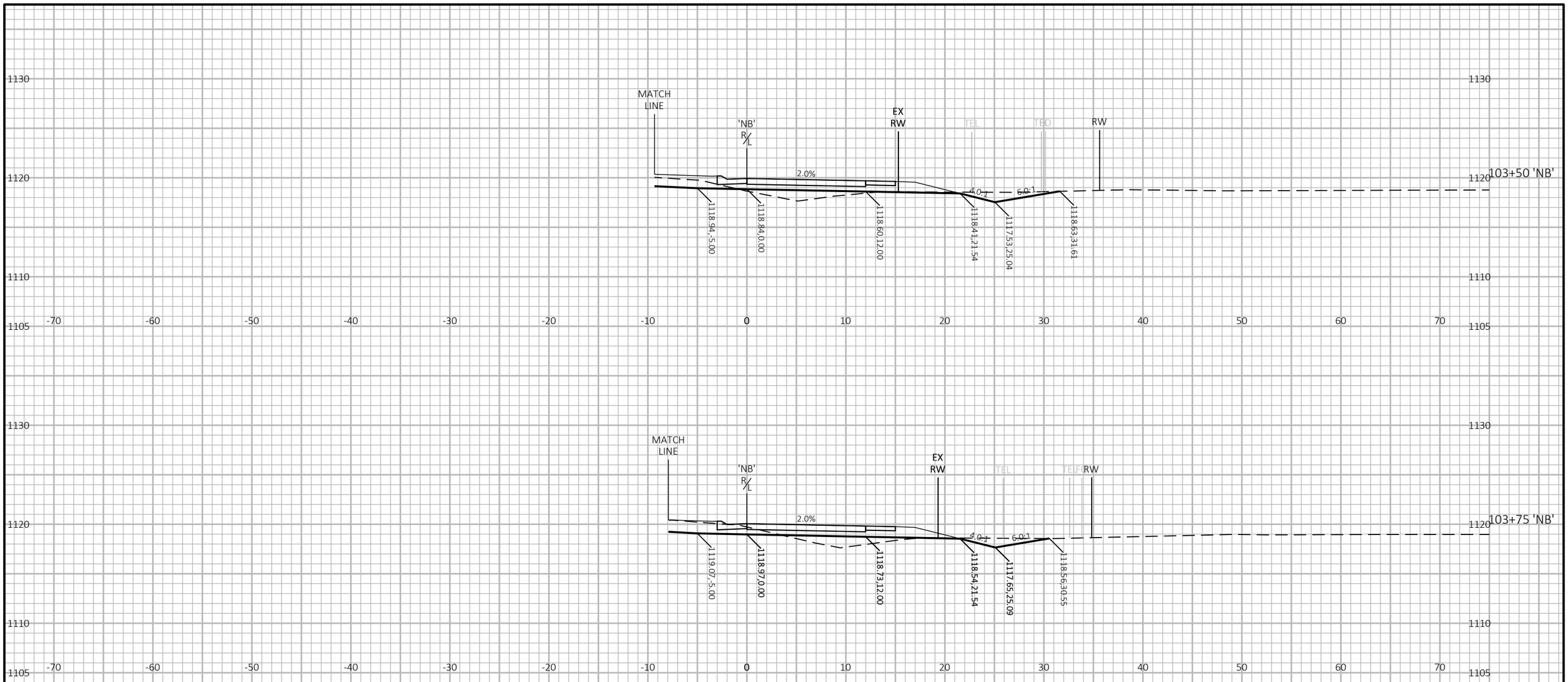
PLOT DATE : 7/14/2025 12:40 PM

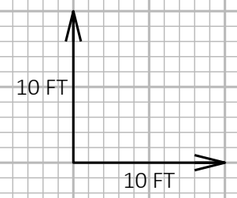
PLOT BY : GARY ELLIAS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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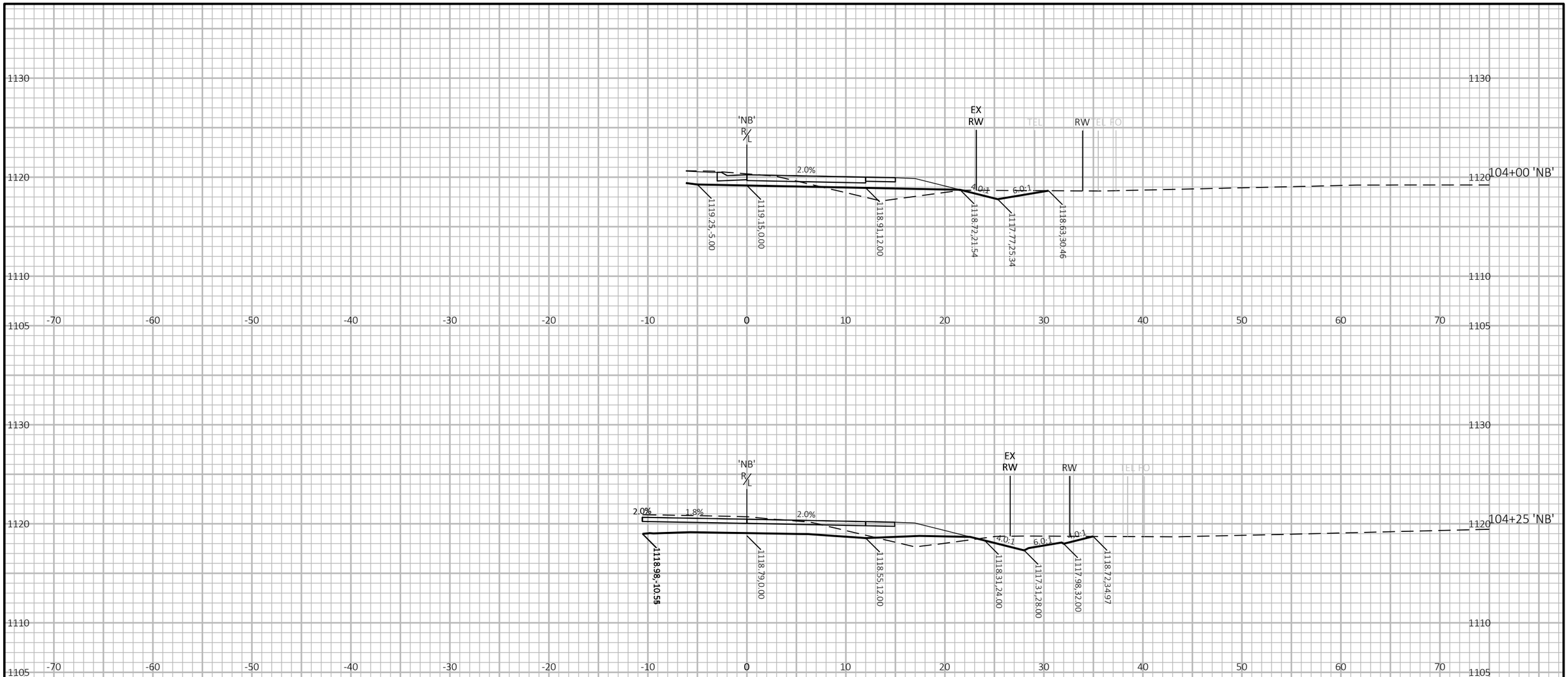
PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'NB'	SHEET 185	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - NBN5

PLOT DATE : 7/14/2025 12:40 PM PLOT BY : GARY ELLIAS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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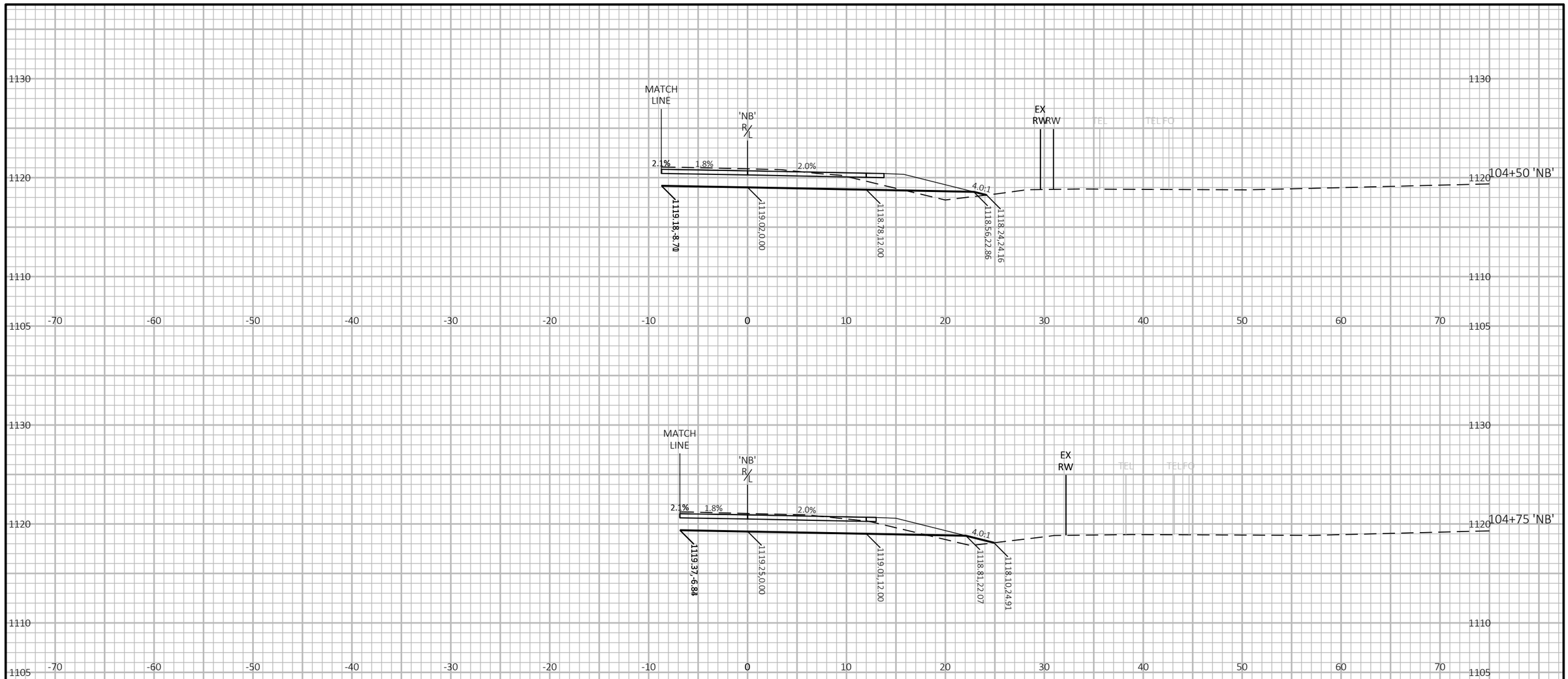
PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'NB'	SHEET 186	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - NBN6

PLOT DATE : 7/14/2025 12:40 PM PLOT BY : GARY ELLIAS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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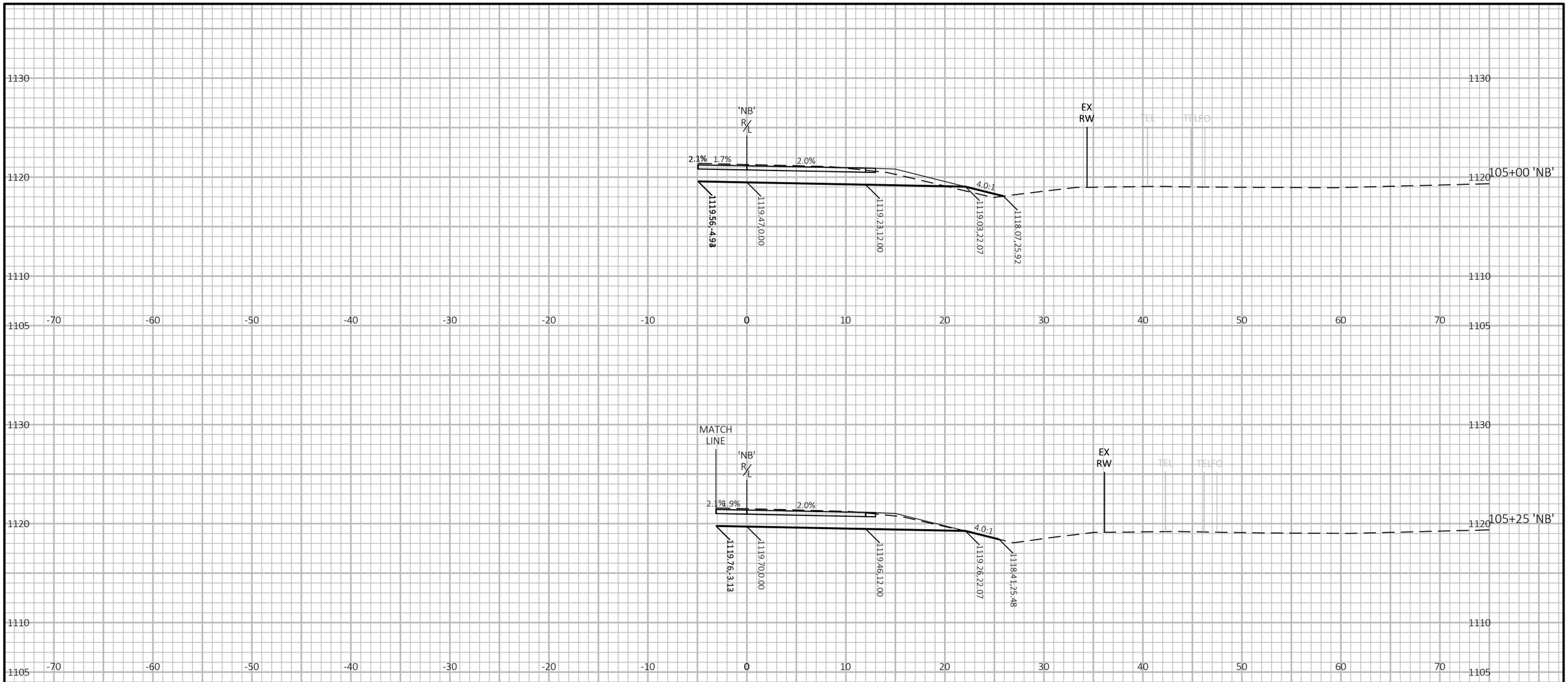
PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'NB'	SHEET 187	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - NBN7

PLOT DATE : 7/14/2025 12:40 PM PLOT BY : GARY ELLIAS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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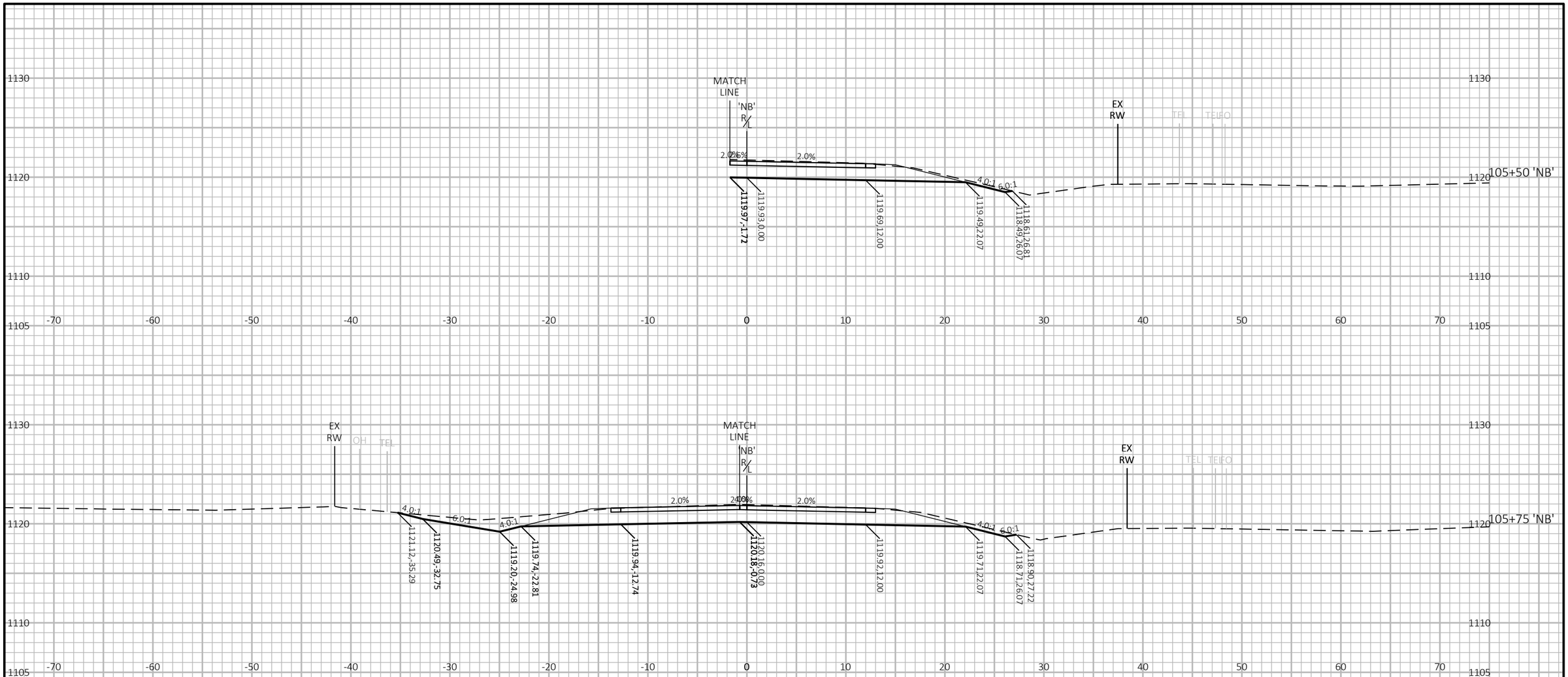
PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'NB'	SHEET 188	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - NBN8

PLOT DATE : 7/14/2025 12:41 PM PLOT BY : GARY ELLIAS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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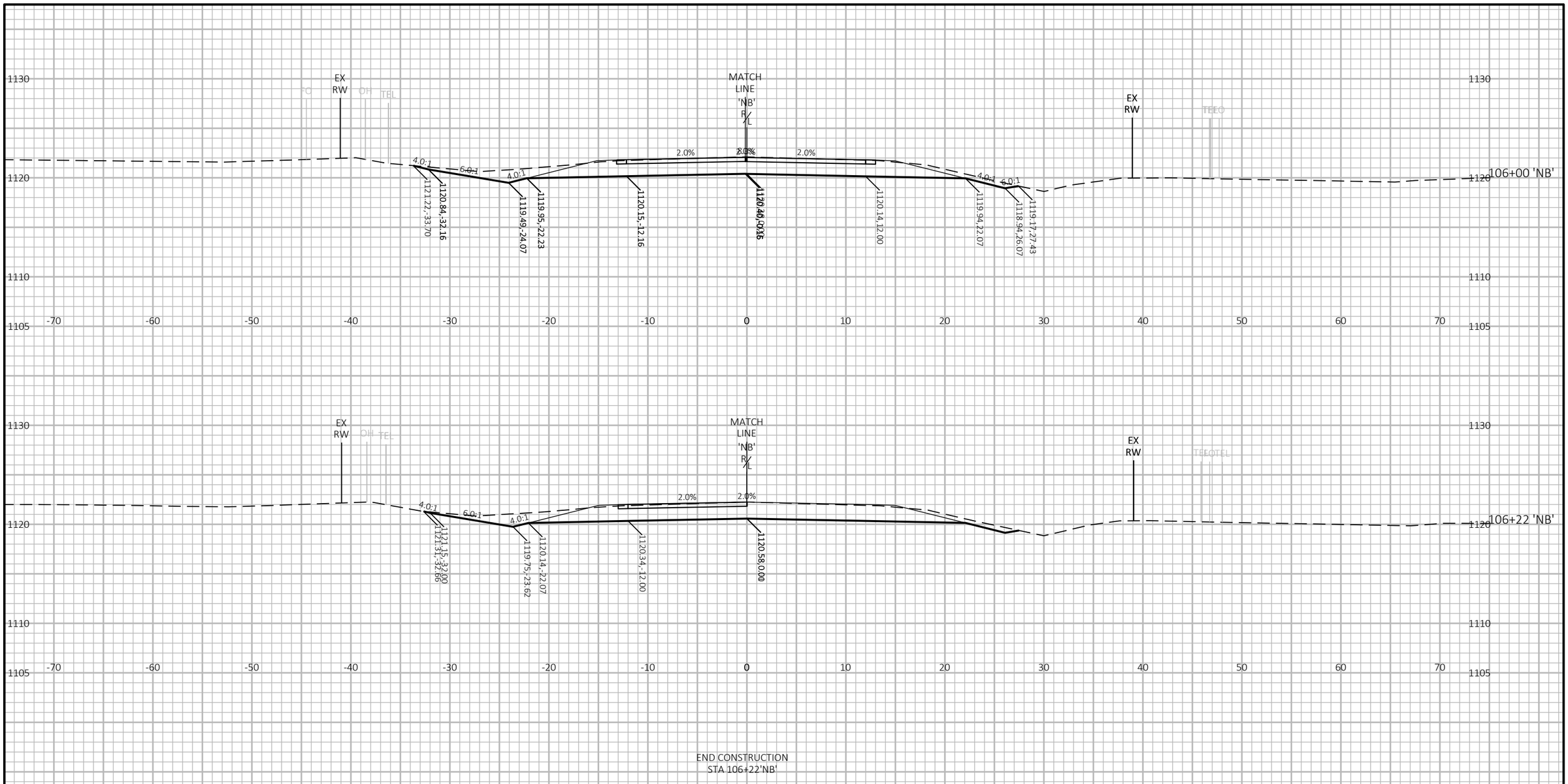
PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'NB'	SHEET 189	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - NBN9

PLOT DATE : 7/14/2025 12:41 PM PLOT BY : GARY ELLIAS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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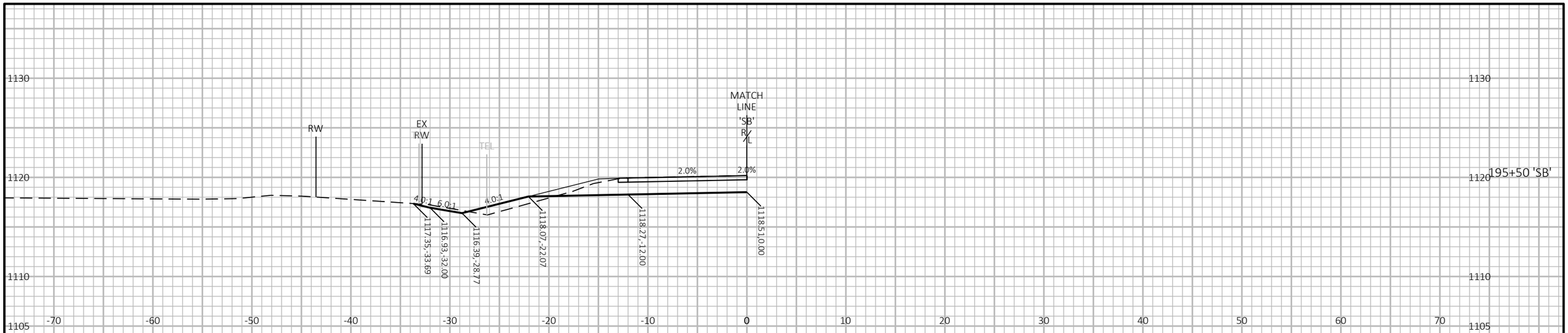
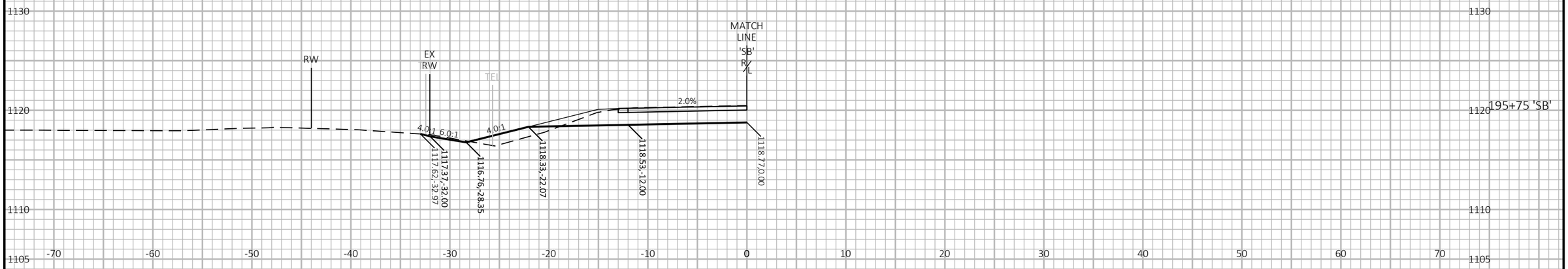
PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'NB'	SHEET 190	E

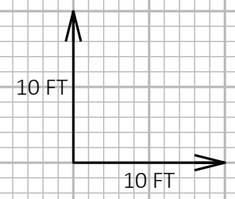
FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - NBN10

PLOT DATE : 7/14/2025 12:41 PM PLOT BY : GARY ELLIAS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49







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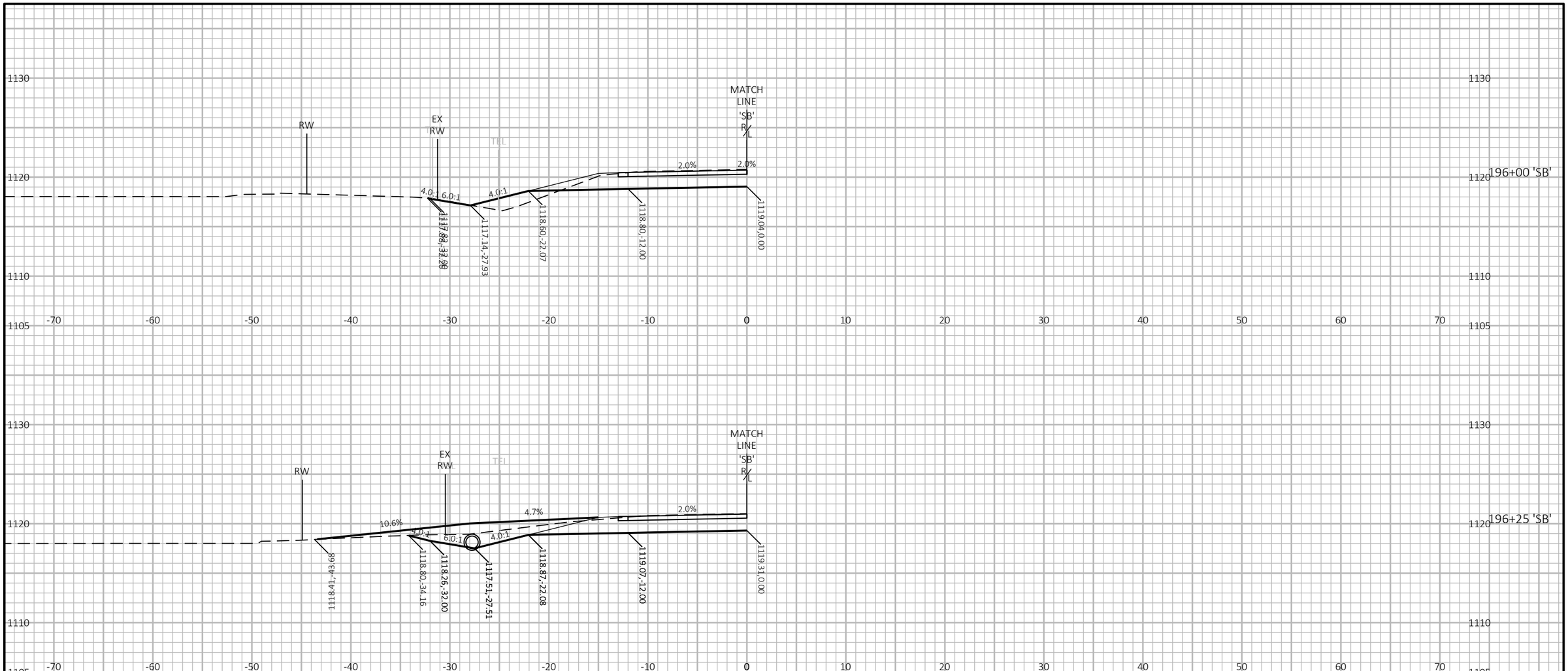
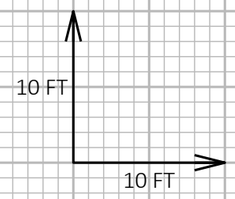
PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'SB'	SHEET 191	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - SBS1

PLOT DATE : 7/14/2025 12:41 PM PLOT BY : GARY ELLIAS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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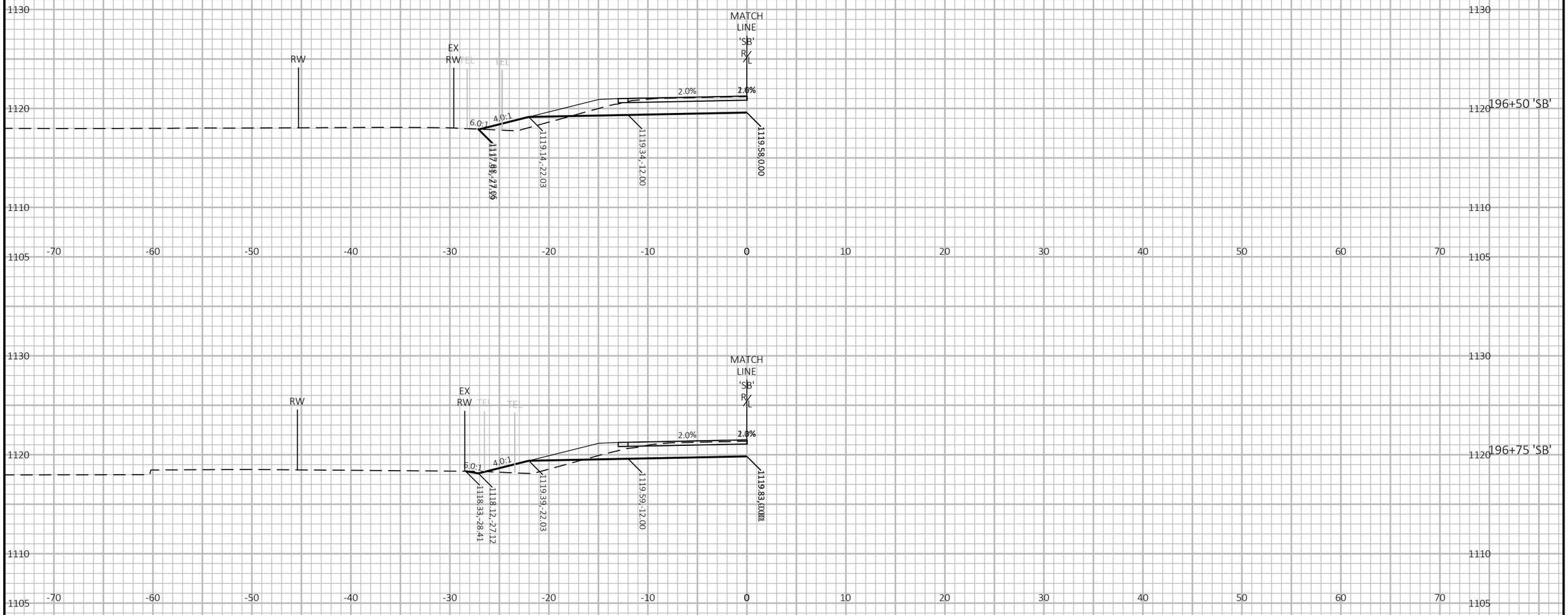
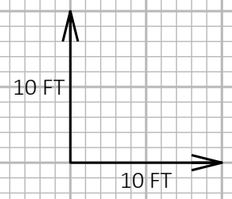
PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'SB'	SHEET 192	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - SBS2

PLOT DATE : 7/14/2025 12:41 PM PLOT BY : GARY ELLIAS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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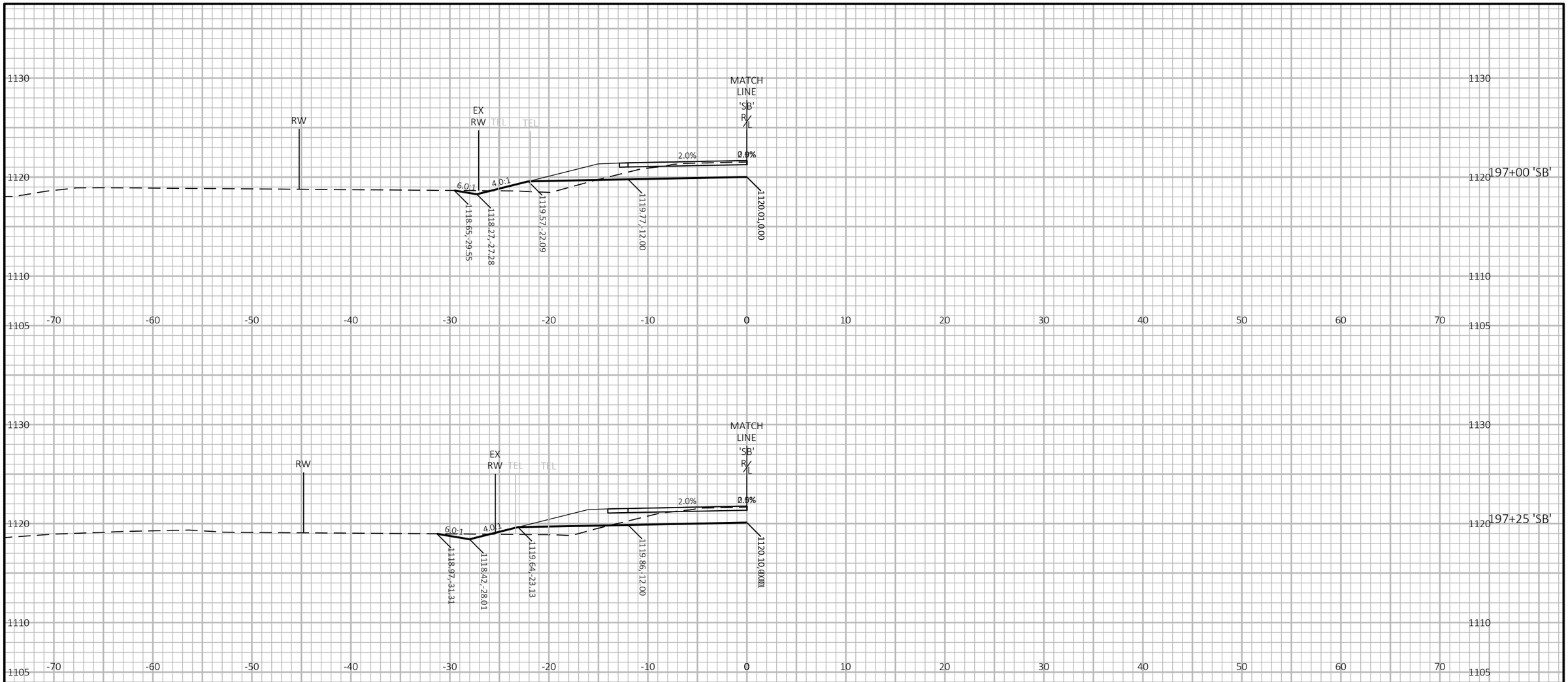
PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'SB'	SHEET 193	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - SBS3

PLOT DATE : 7/14/2025 12:41 PM PLOT BY : GARY ELLIAS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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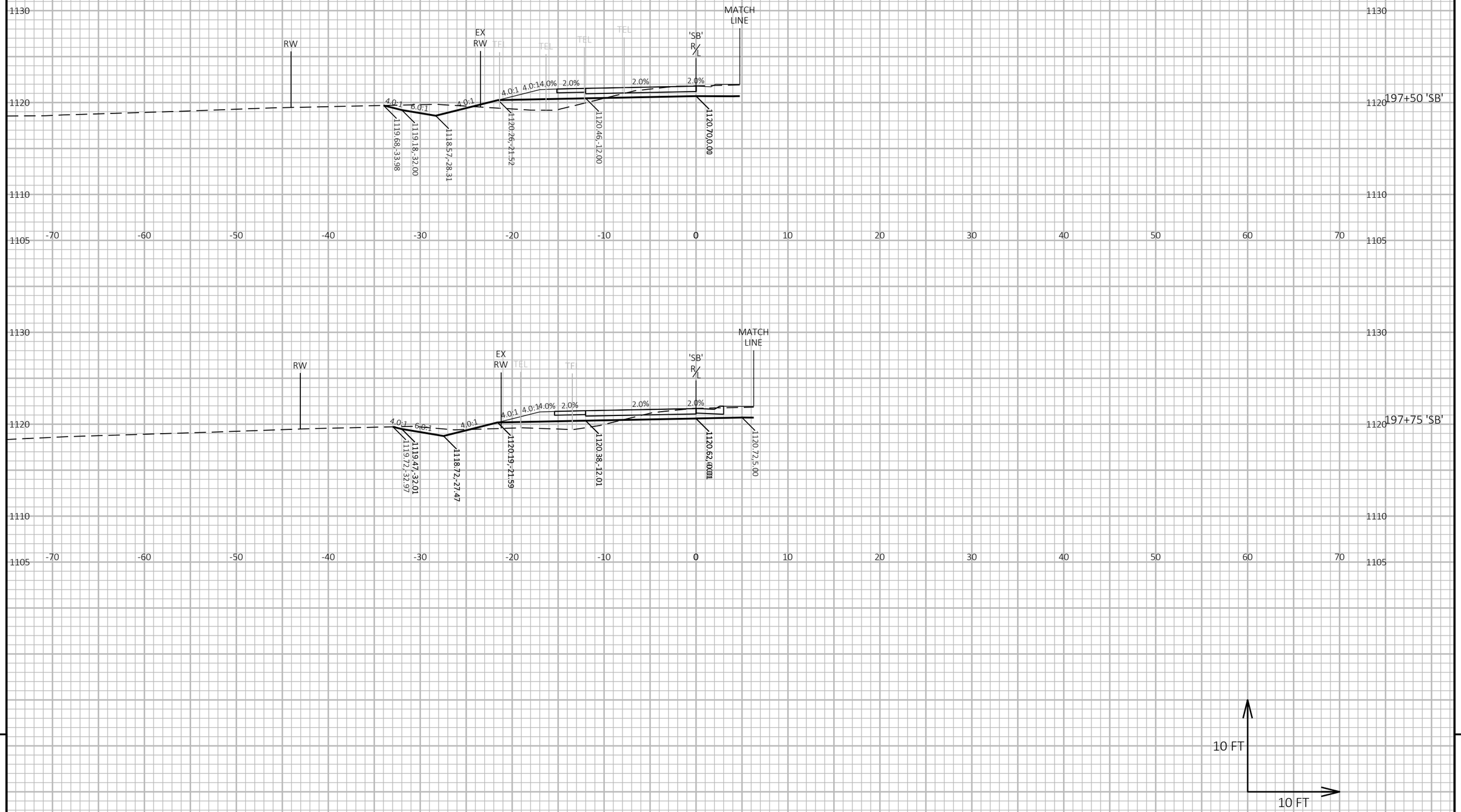
PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'SB'	SHEET 194	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - SBS4

PLOT DATE : 7/14/2025 12:41 PM PLOT BY : GARY ELLIAS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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10 FT

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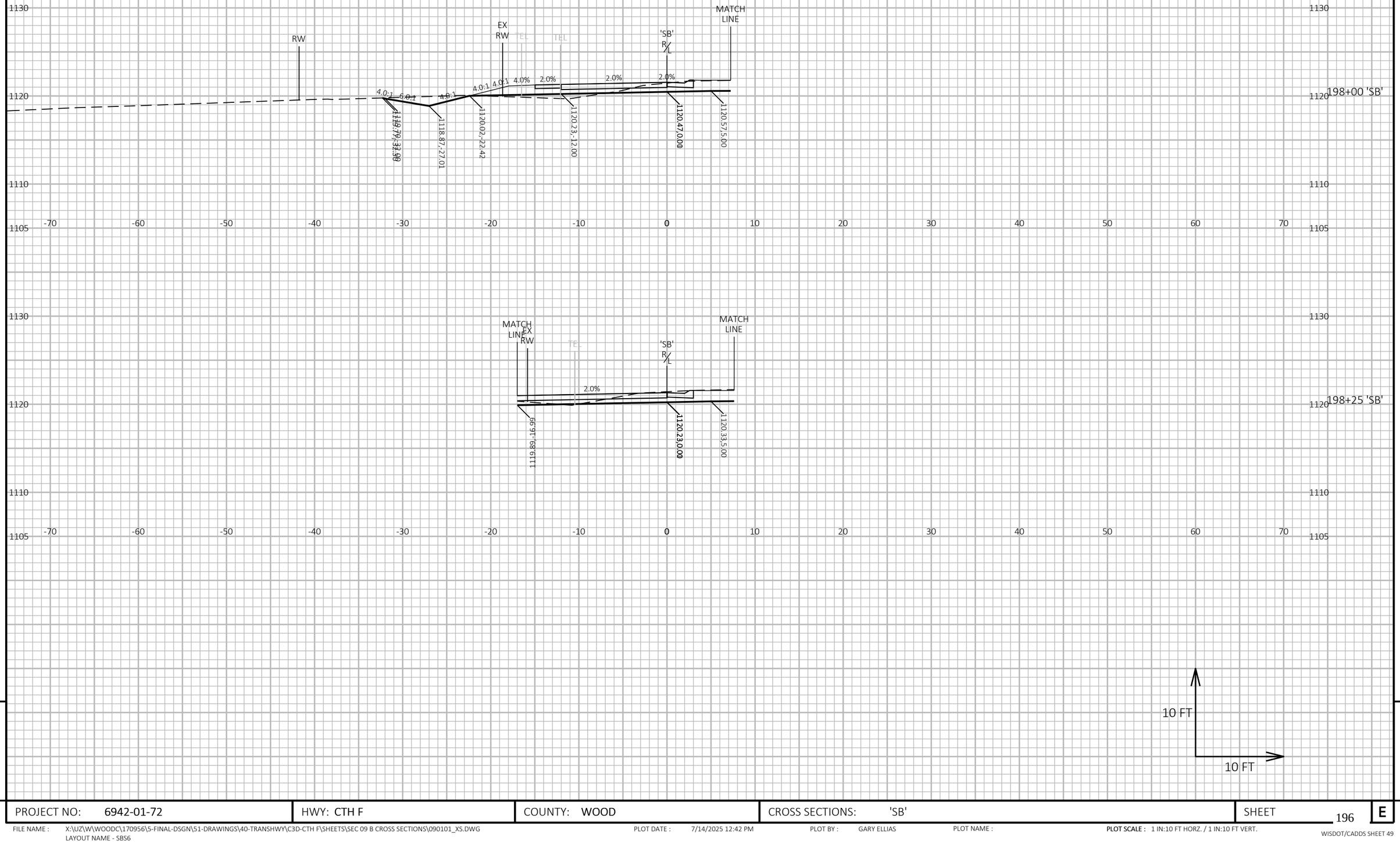
PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'SB'	SHEET 195	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - SBS5

PLOT DATE : 7/14/2025 12:41 PM PLOT BY : GARY ELLIAS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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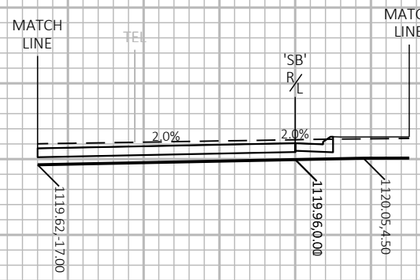
9

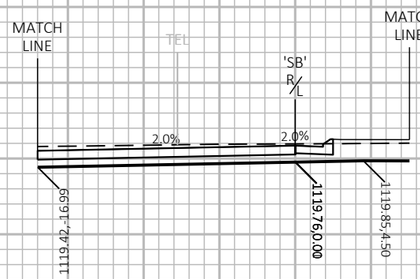
PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'SB'	SHEET 196	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - SBS6

PLOT DATE : 7/14/2025 12:42 PM PLOT BY : GARY ELLIAS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



198+50 'SB'



198+75 'SB'

10 FT

10 FT

9

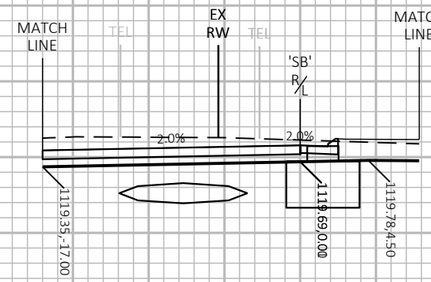
9

PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'SB'	SHEET 197	E

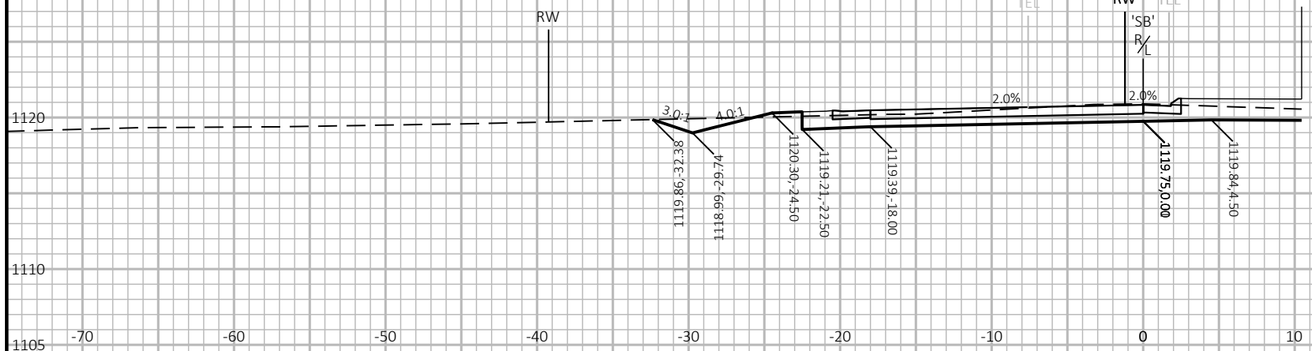
FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - SBS7

PLOT DATE : 7/14/2025 12:42 PM PLOT BY : GARY ELLIAS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

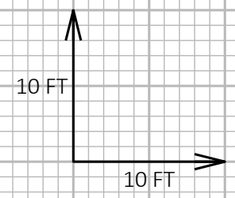
WISDOT/CADDS SHEET 49



199+00 'SB'



199+25 'SB'

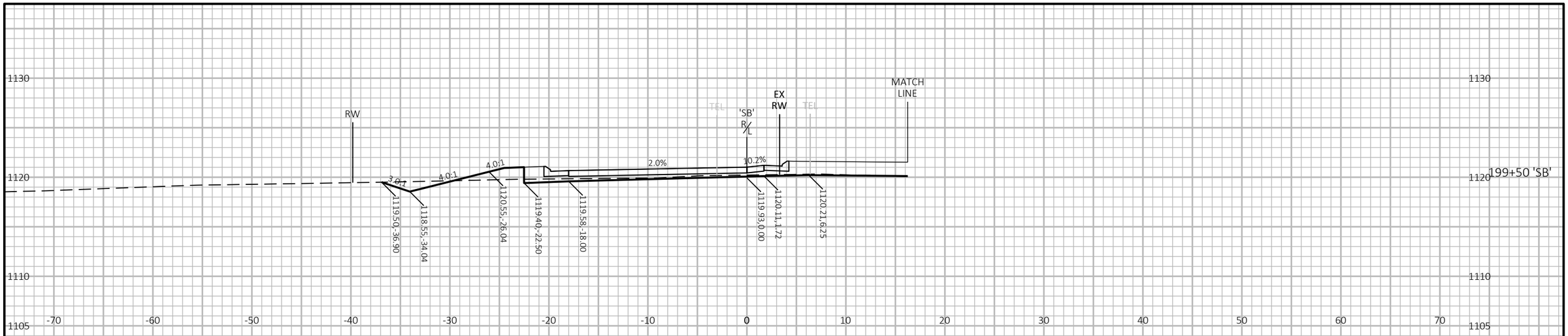


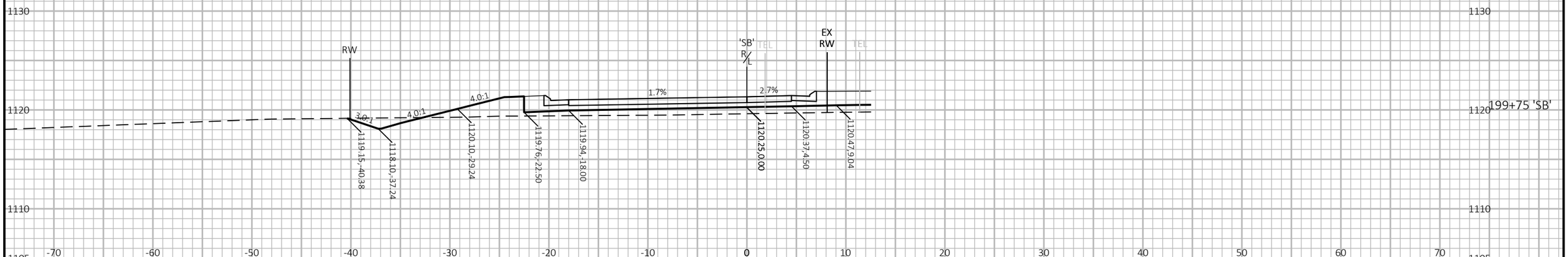
PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'SB'	SHEET 198	E

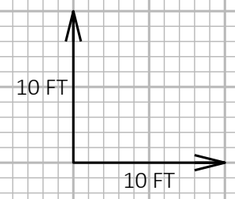
FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - SBS8

PLOT DATE : 7/14/2025 12:42 PM PLOT BY : GARY ELLIAS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49







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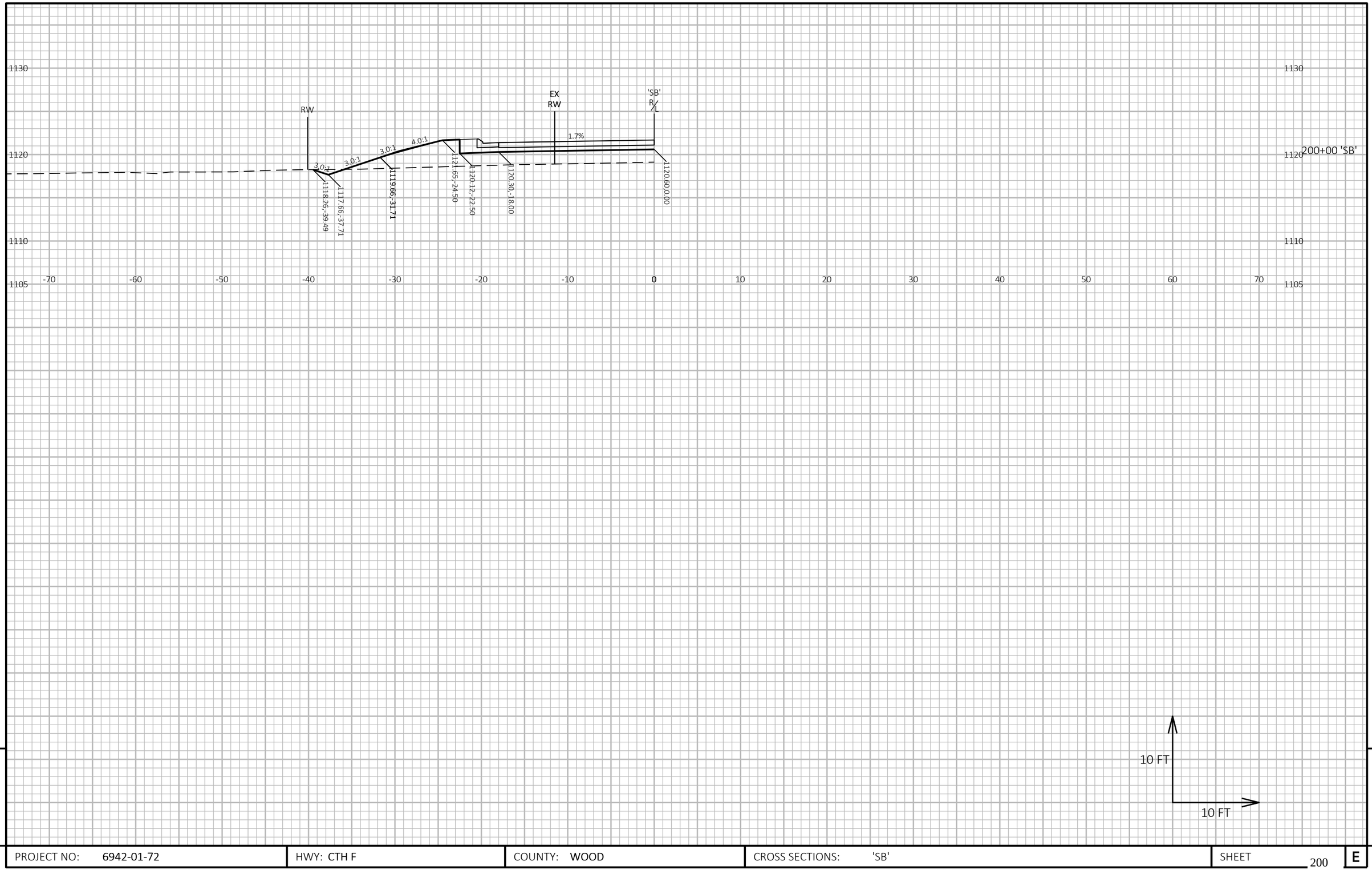
PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'SB'	SHEET 199	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - SBS9

PLOT DATE : 7/14/2025 12:42 PM PLOT BY : GARY ELLIAS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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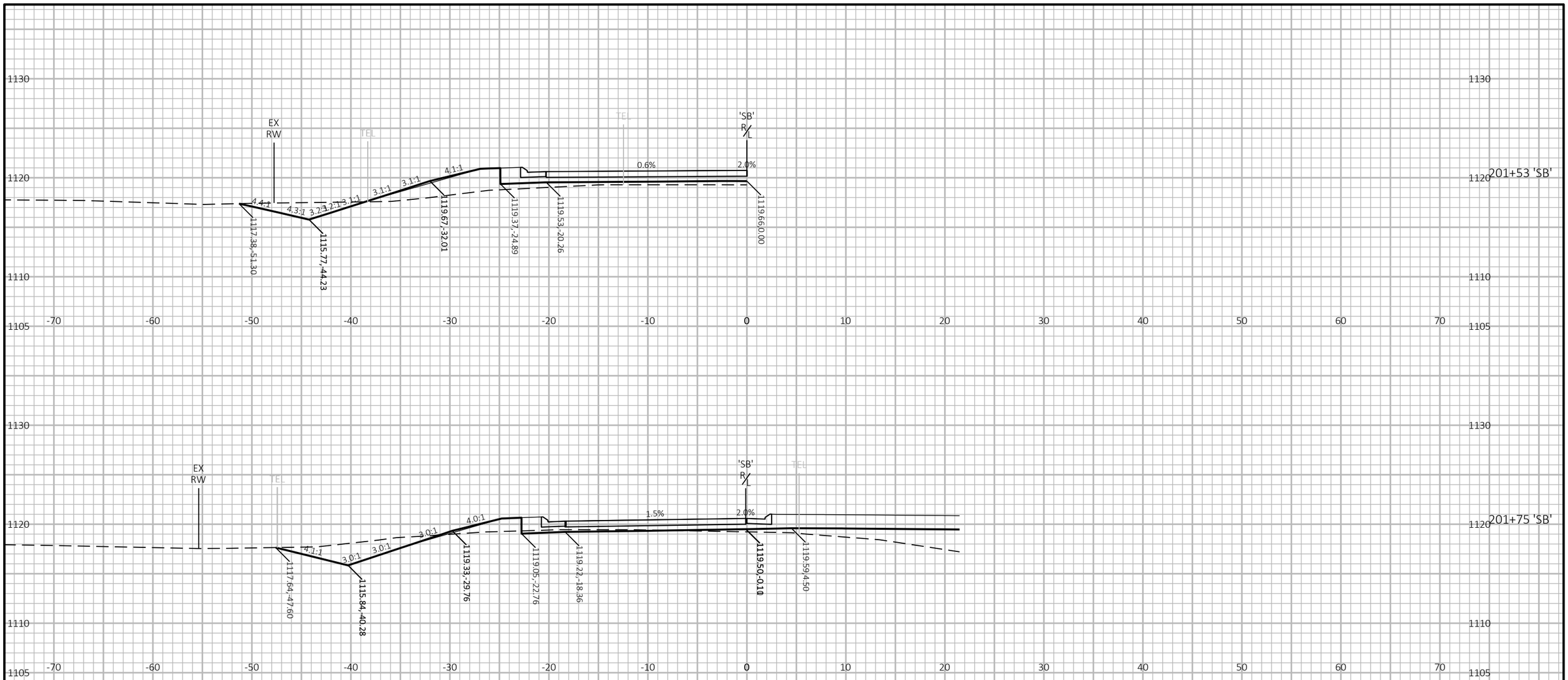
9

PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'SB'	SHEET 200	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - SBS10

PLOT DATE : 7/14/2025 12:42 PM PLOT BY : GARY ELLIAS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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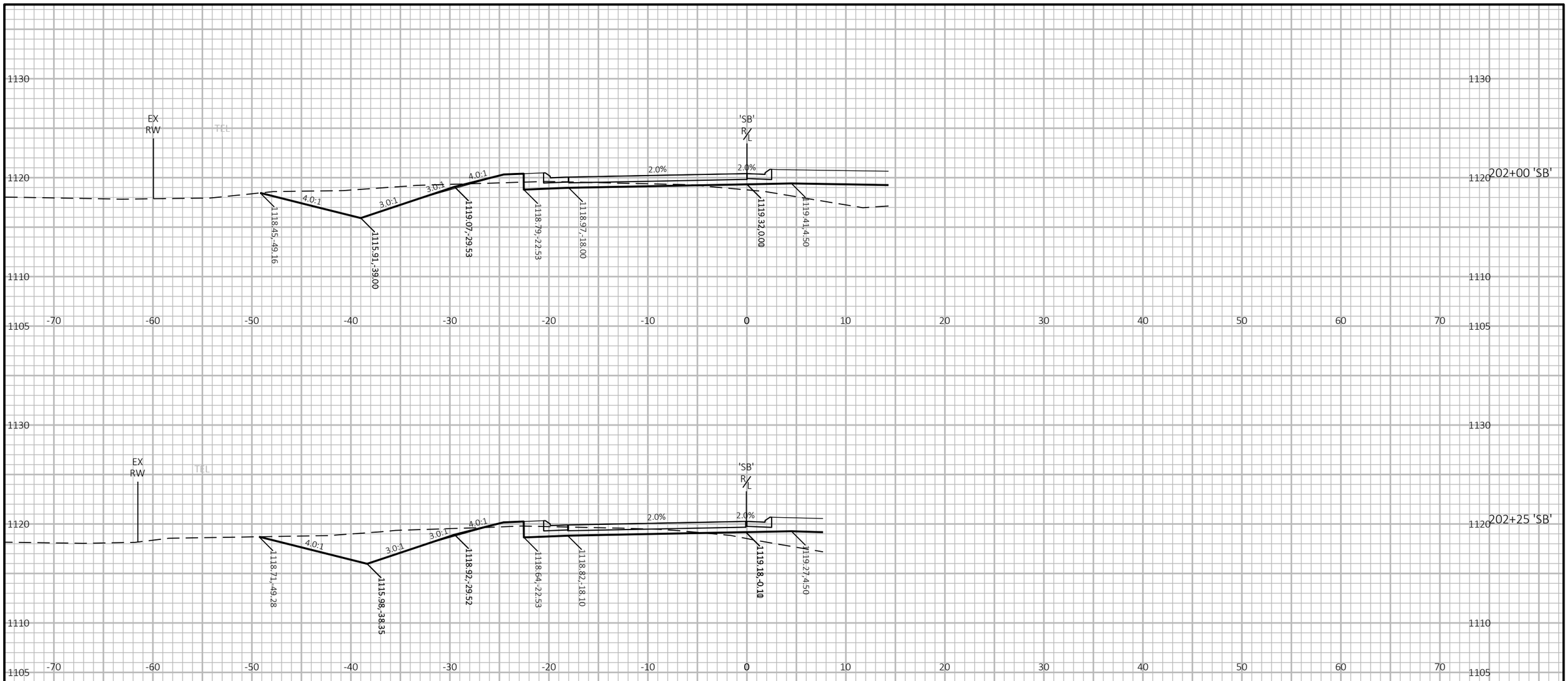
PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'SB'	SHEET 201	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - SBN1

PLOT DATE : 7/14/2025 12:42 PM PLOT BY : GARY ELLIAS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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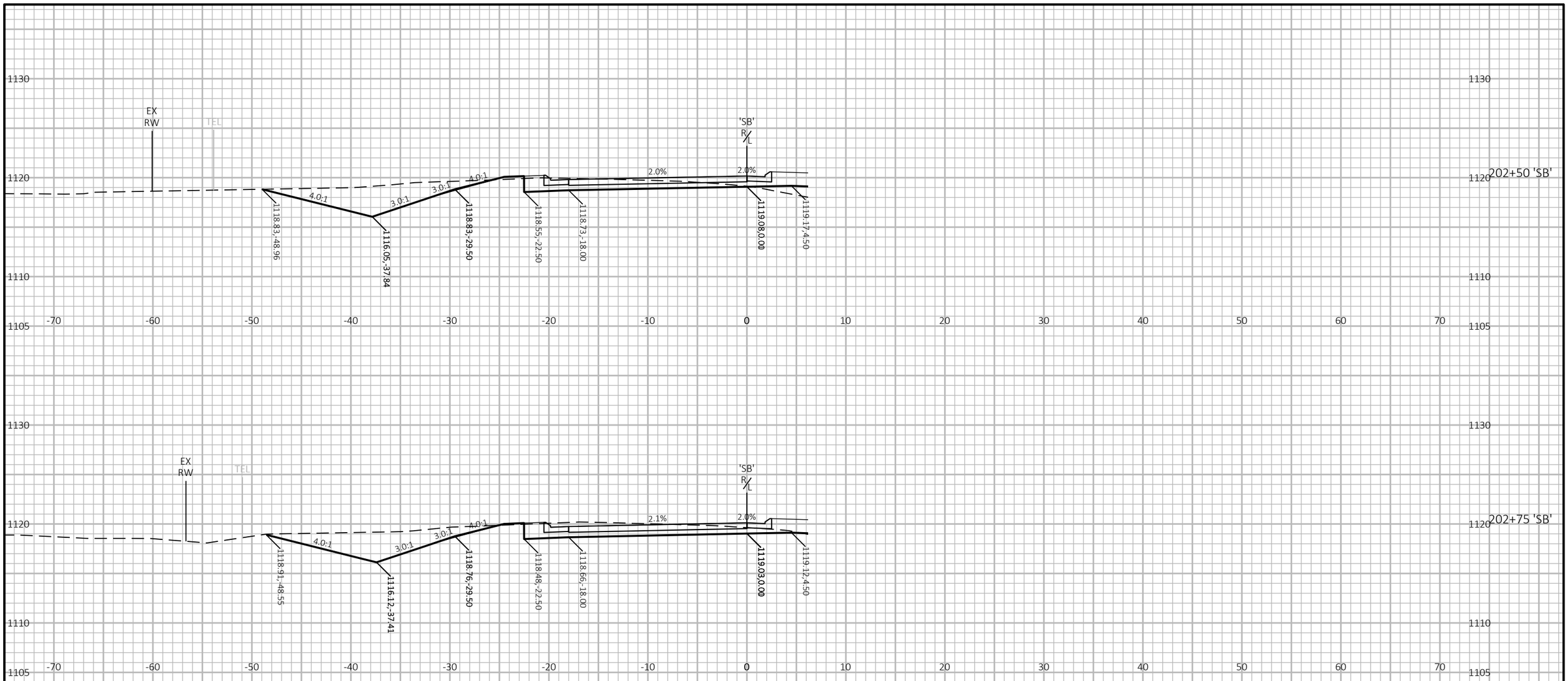
PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'SB'	SHEET 202	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - SBN2

PLOT DATE : 7/14/2025 12:42 PM PLOT BY : GARY ELLIAS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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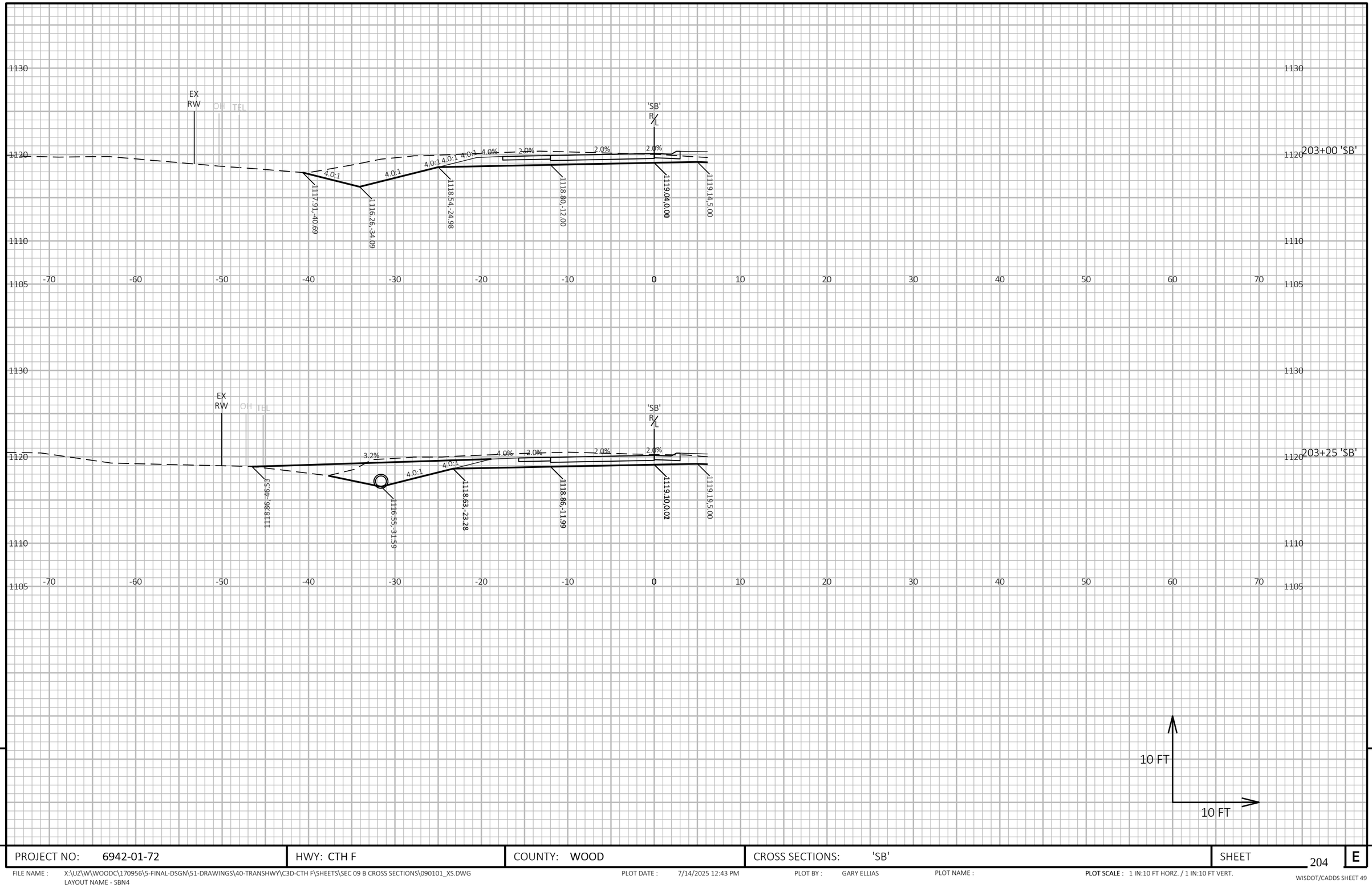
PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'SB'	SHEET 203	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - SBN3

PLOT DATE : 7/14/2025 12:42 PM PLOT BY : GARY ELLIAS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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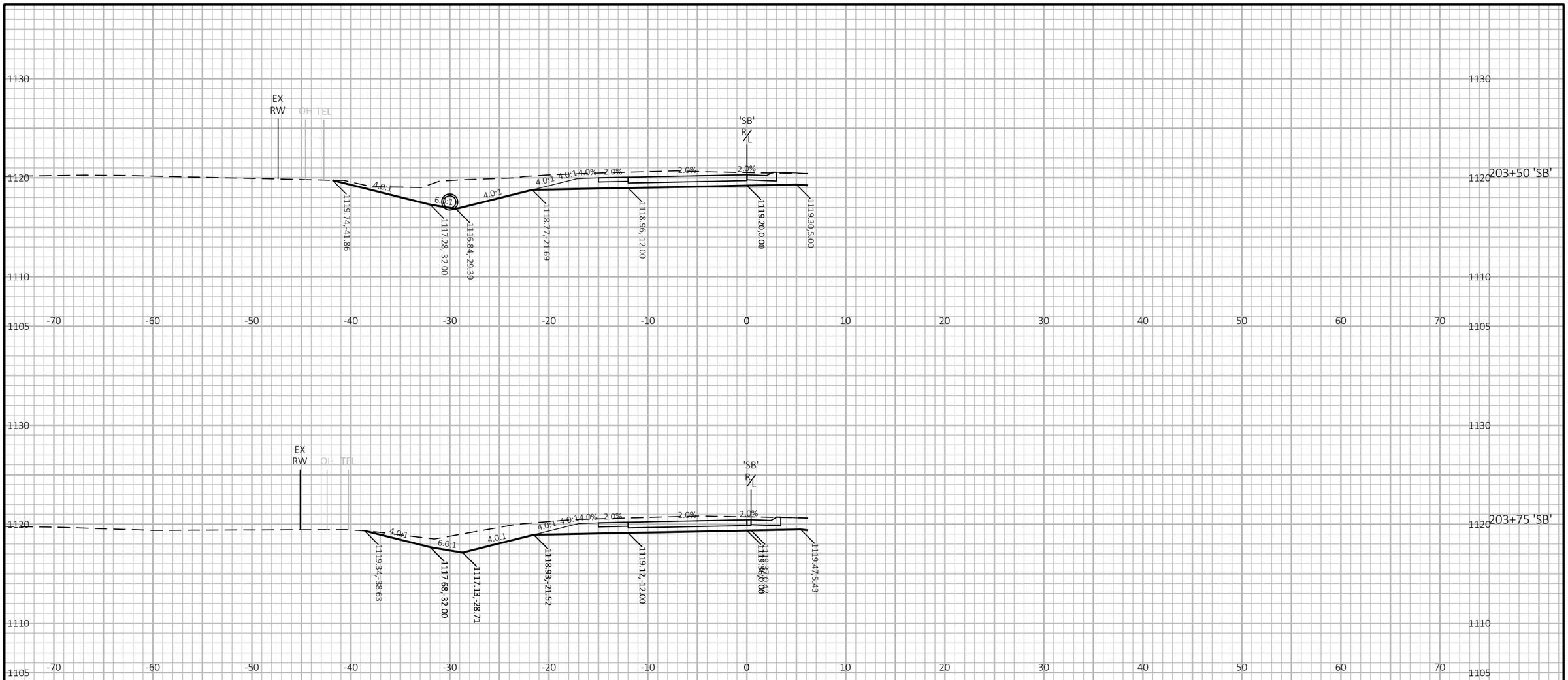
9

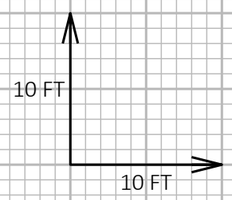
PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'SB'	SHEET 204	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - SBN4

PLOT DATE : 7/14/2025 12:43 PM PLOT BY : GARY ELLIAS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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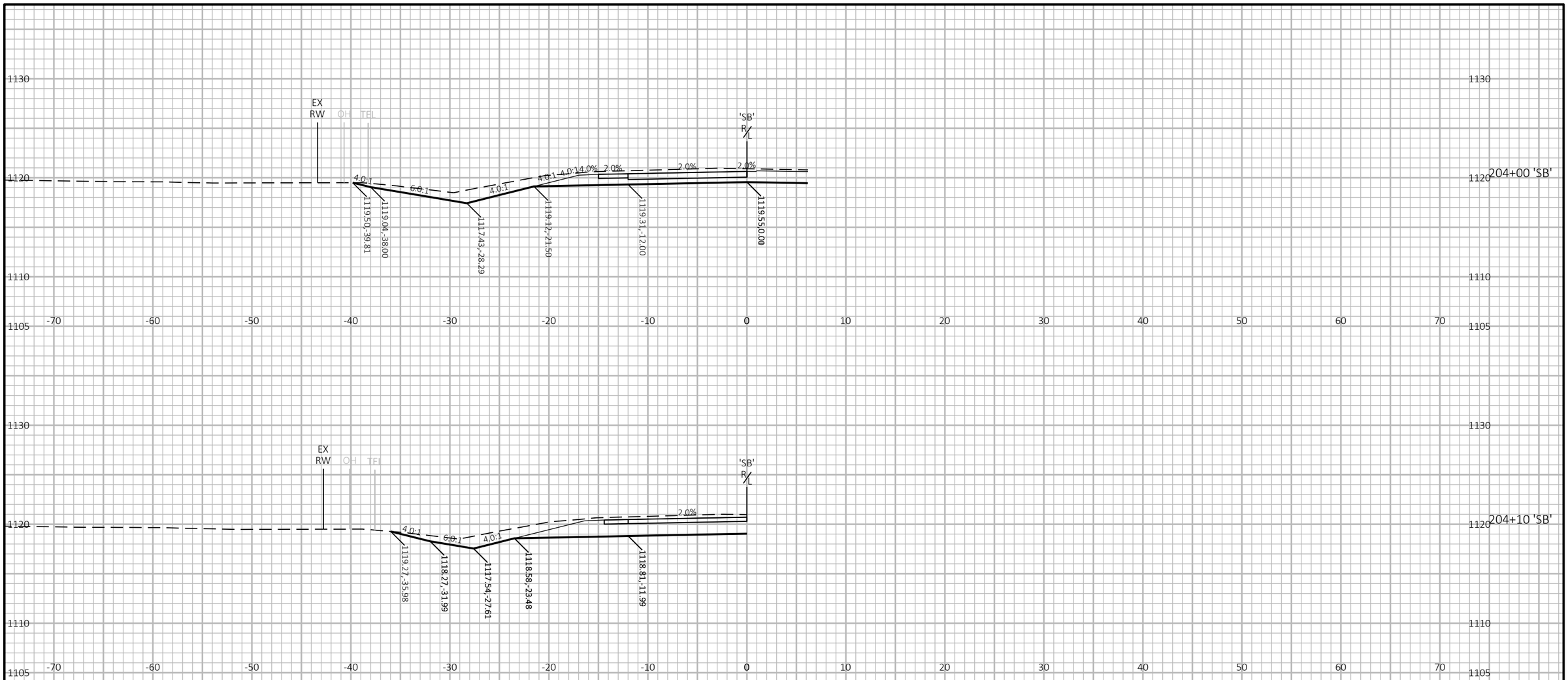
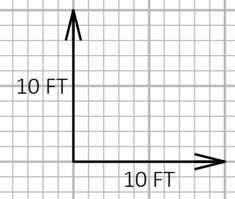
PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'SB'	SHEET 205	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - SBN5

PLOT DATE : 7/14/2025 12:43 PM PLOT BY : GARY ELLIAS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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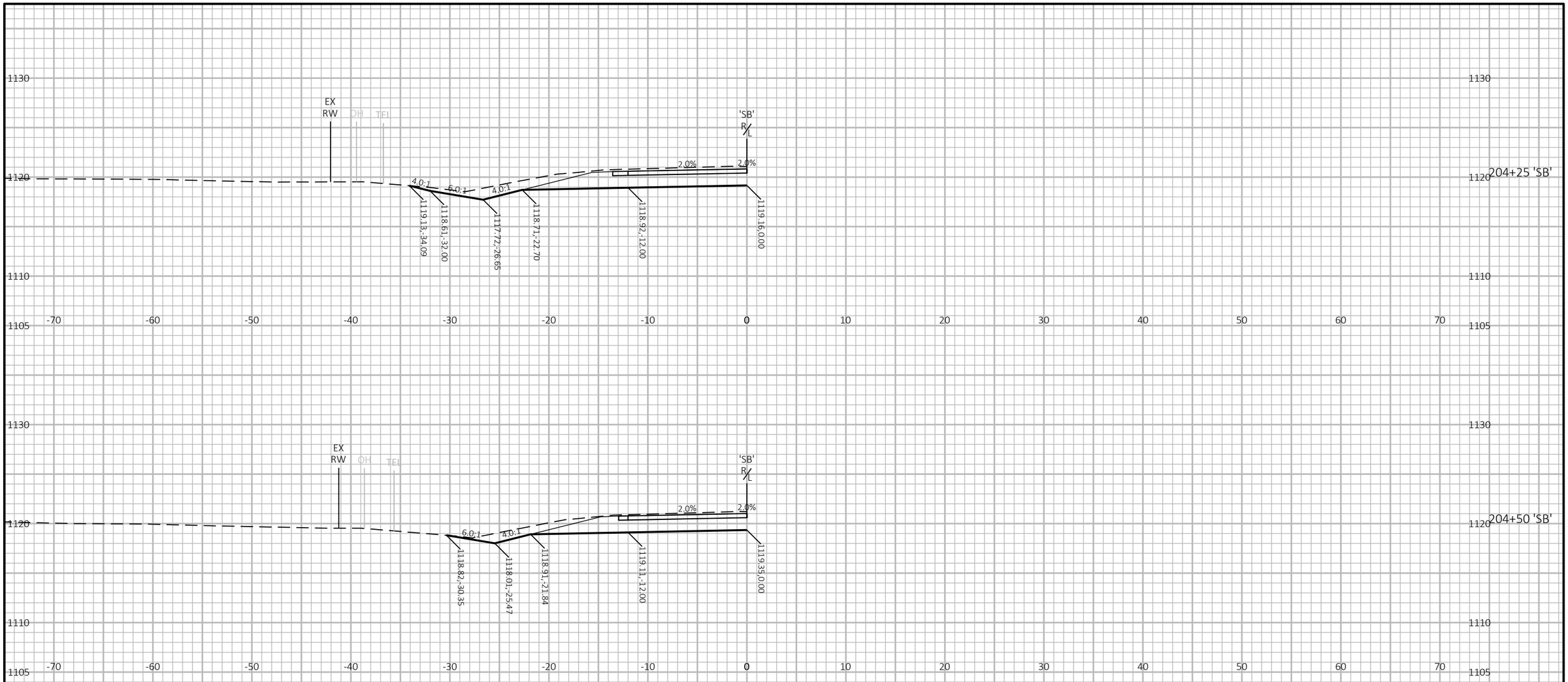
PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'SB'	SHEET 206	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - SBN6

PLOT DATE : 7/14/2025 12:43 PM PLOT BY : GARY ELLIAS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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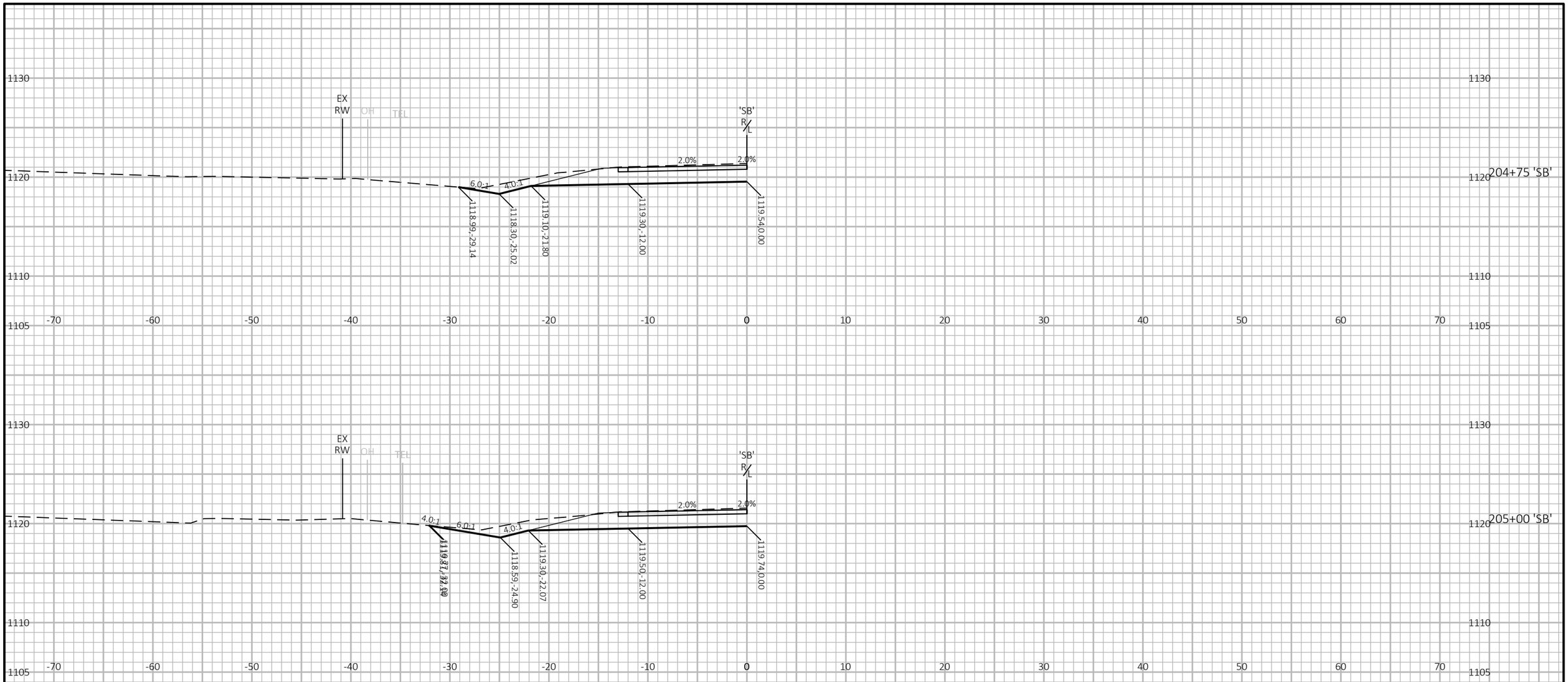
PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'SB'	SHEET 207	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - SBN7

PLOT DATE : 7/14/2025 12:43 PM PLOT BY : GARY ELLIAS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

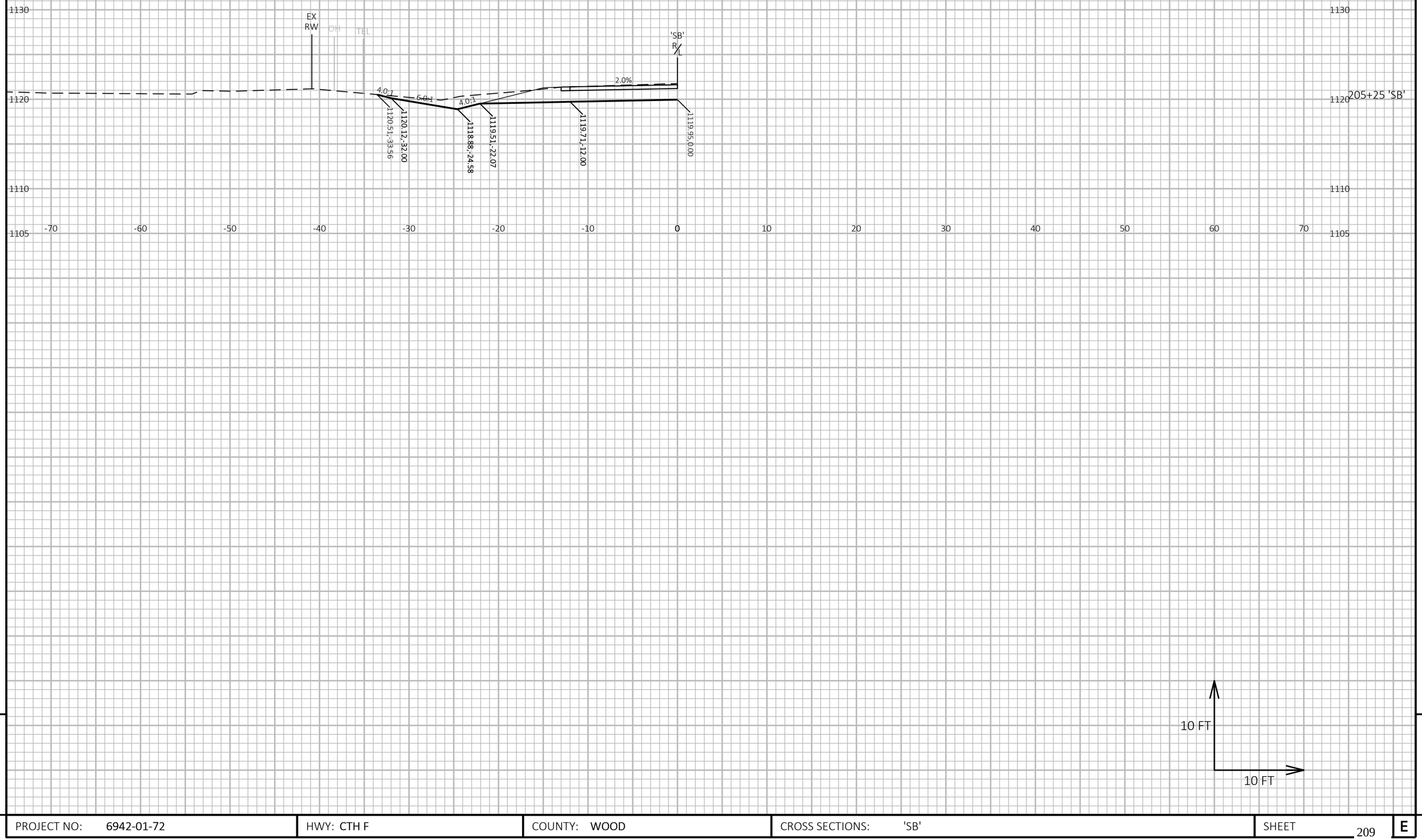
9

PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'SB'	SHEET 208	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - SBN8

PLOT DATE : 7/14/2025 12:43 PM PLOT BY : GARY ELLIAS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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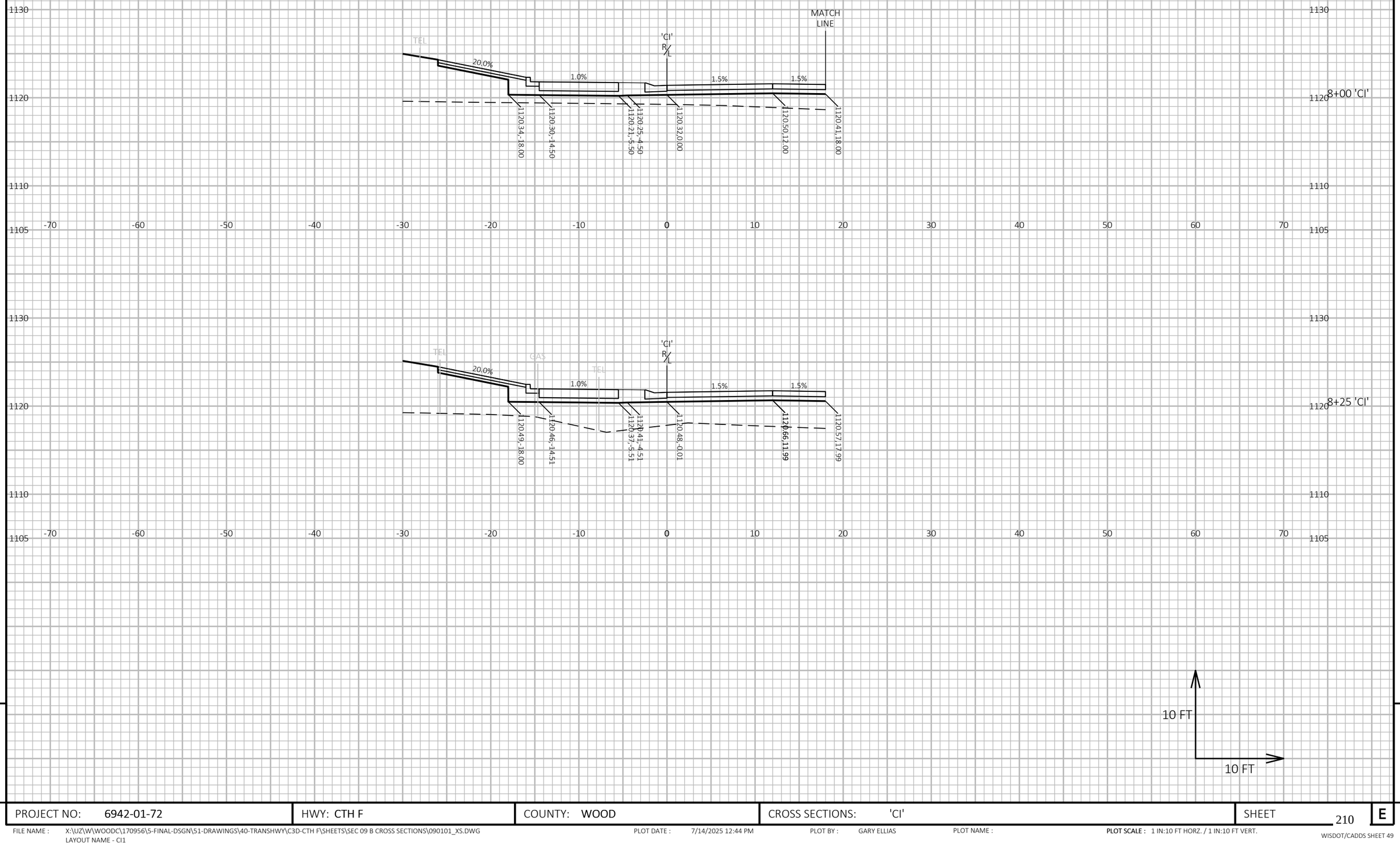
PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'SB'	SHEET 209	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - SBN9

PLOT DATE : 7/14/2025 12:44 PM PLOT BY : GARY ELLIAS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

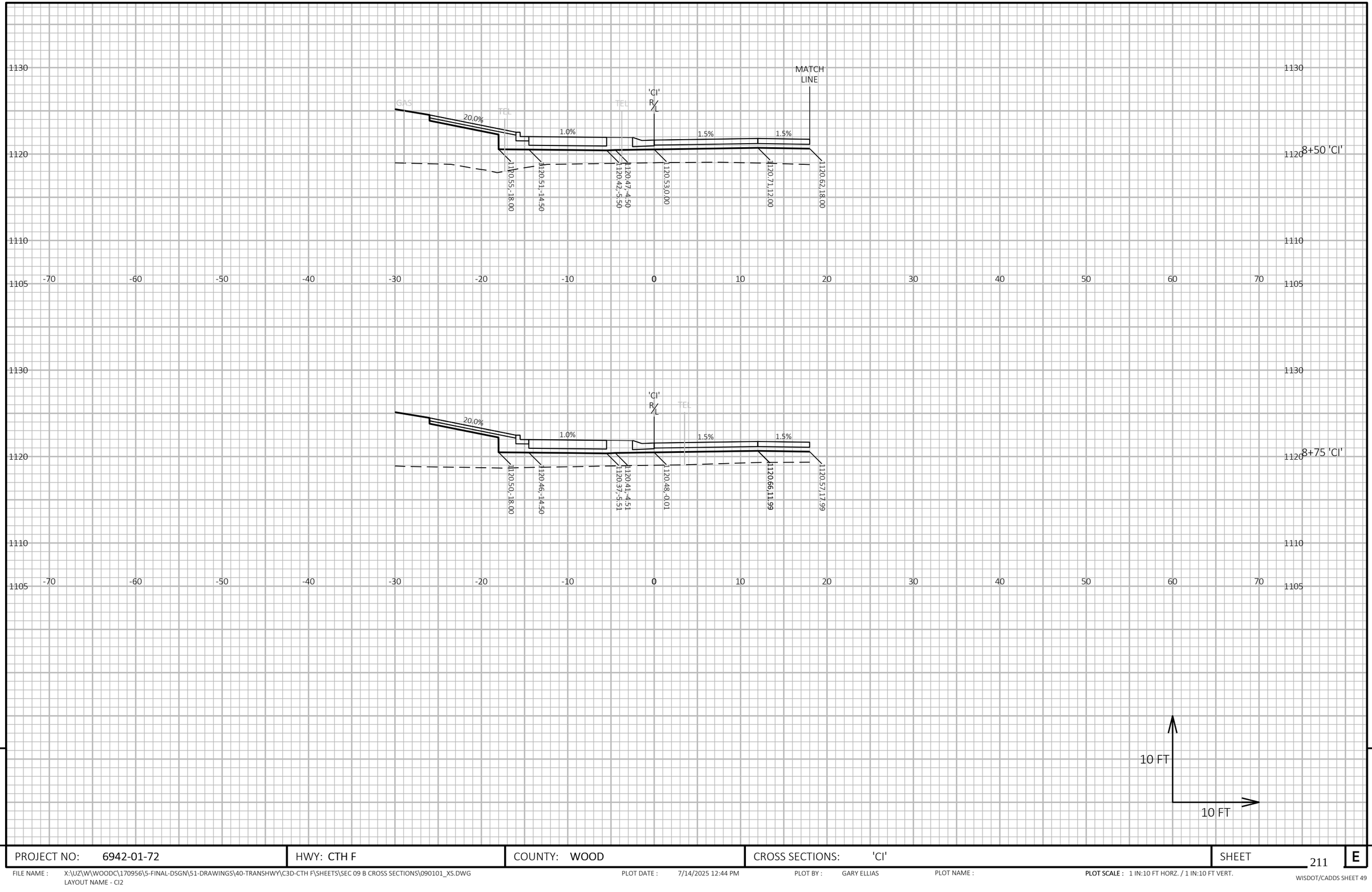


PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'CI'	SHEET 210	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - CI1

PLOT DATE : 7/14/2025 12:44 PM PLOT BY : GARY ELLIAS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

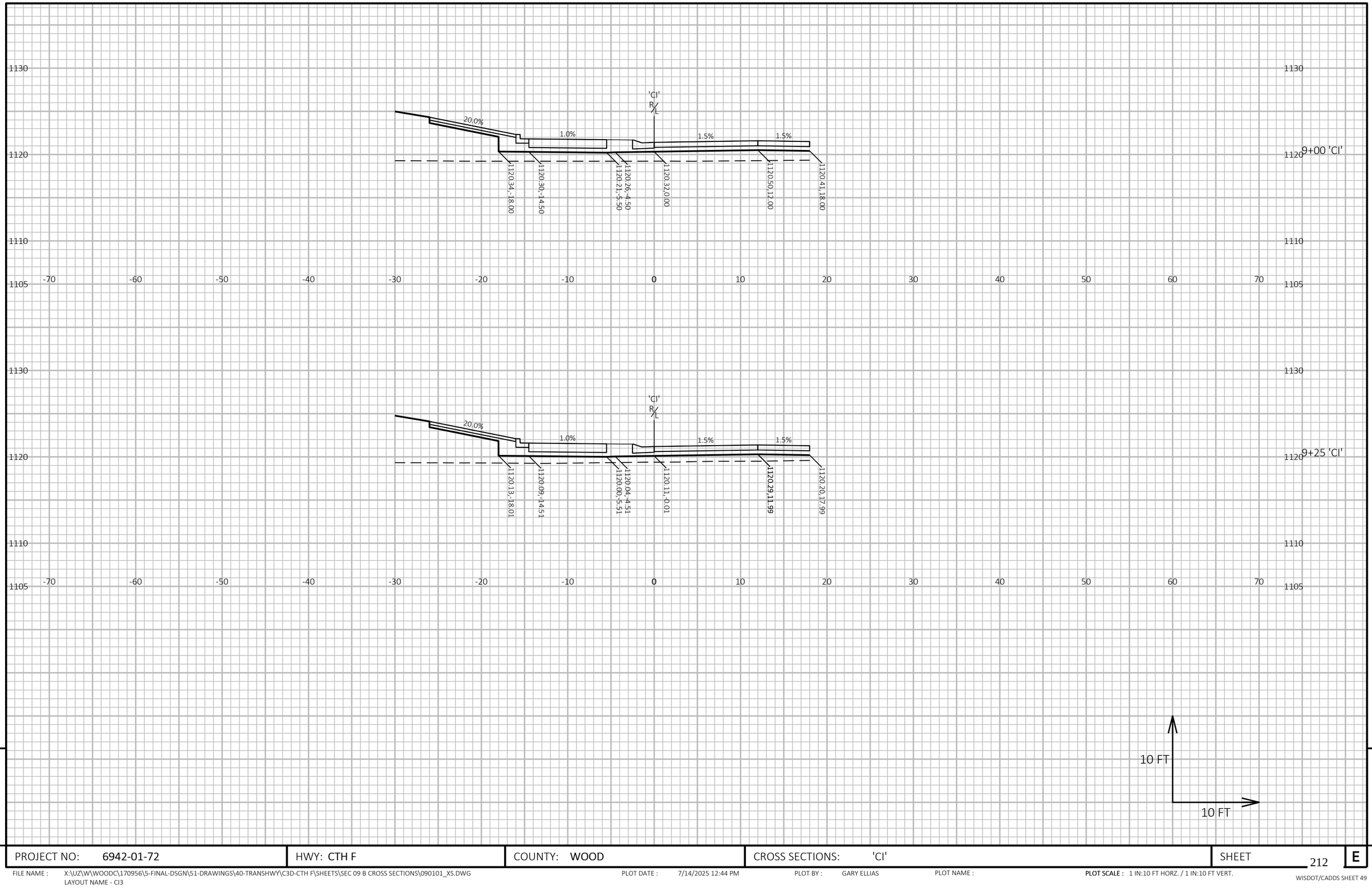
9

PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'CI'	SHEET 211	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - CI2

PLOT DATE : 7/14/2025 12:44 PM PLOT BY : GARY ELLIAS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

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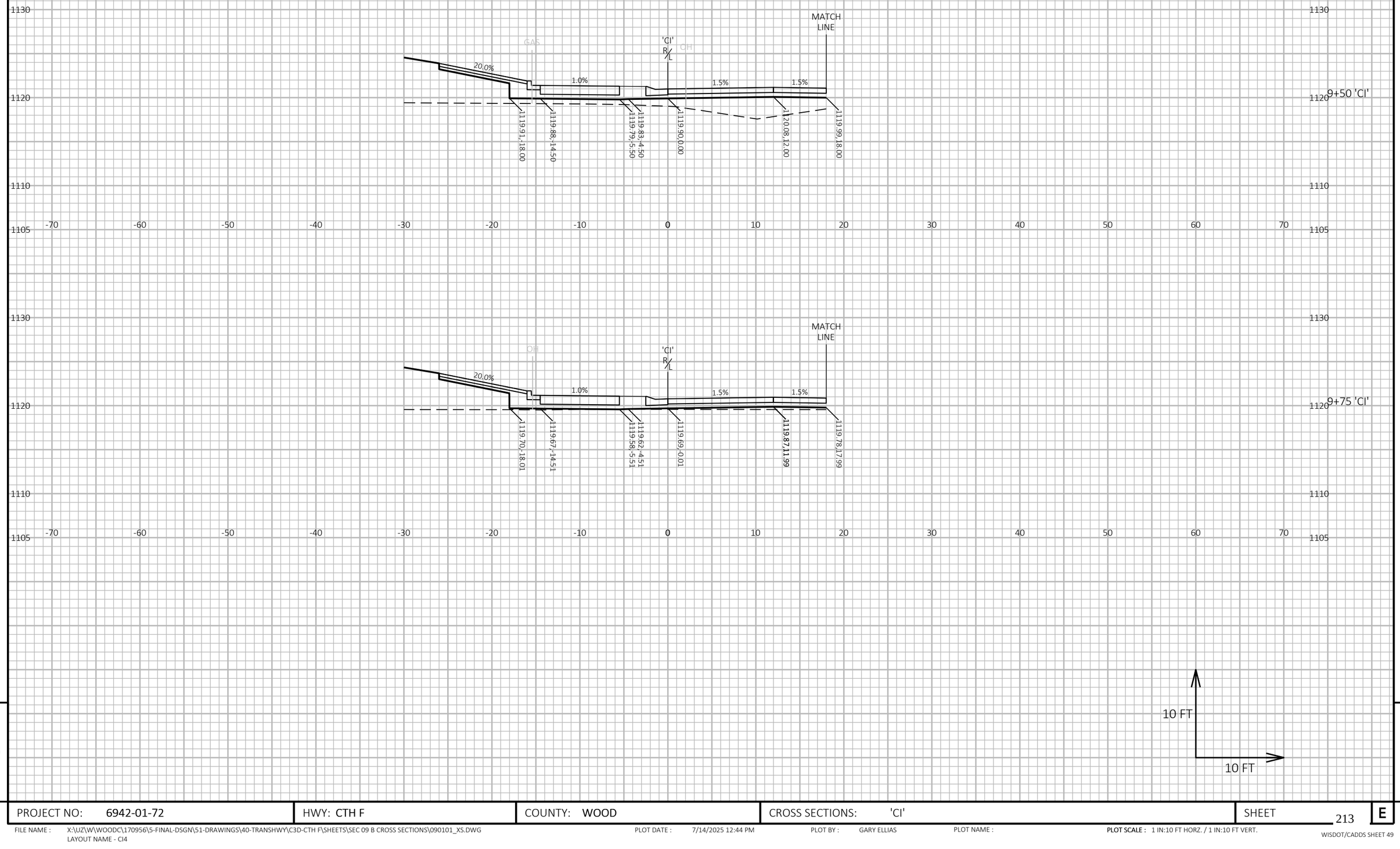
PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'CI'	SHEET 212	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - CI3

PLOT DATE : 7/14/2025 12:44 PM PLOT BY : GARY ELLIAS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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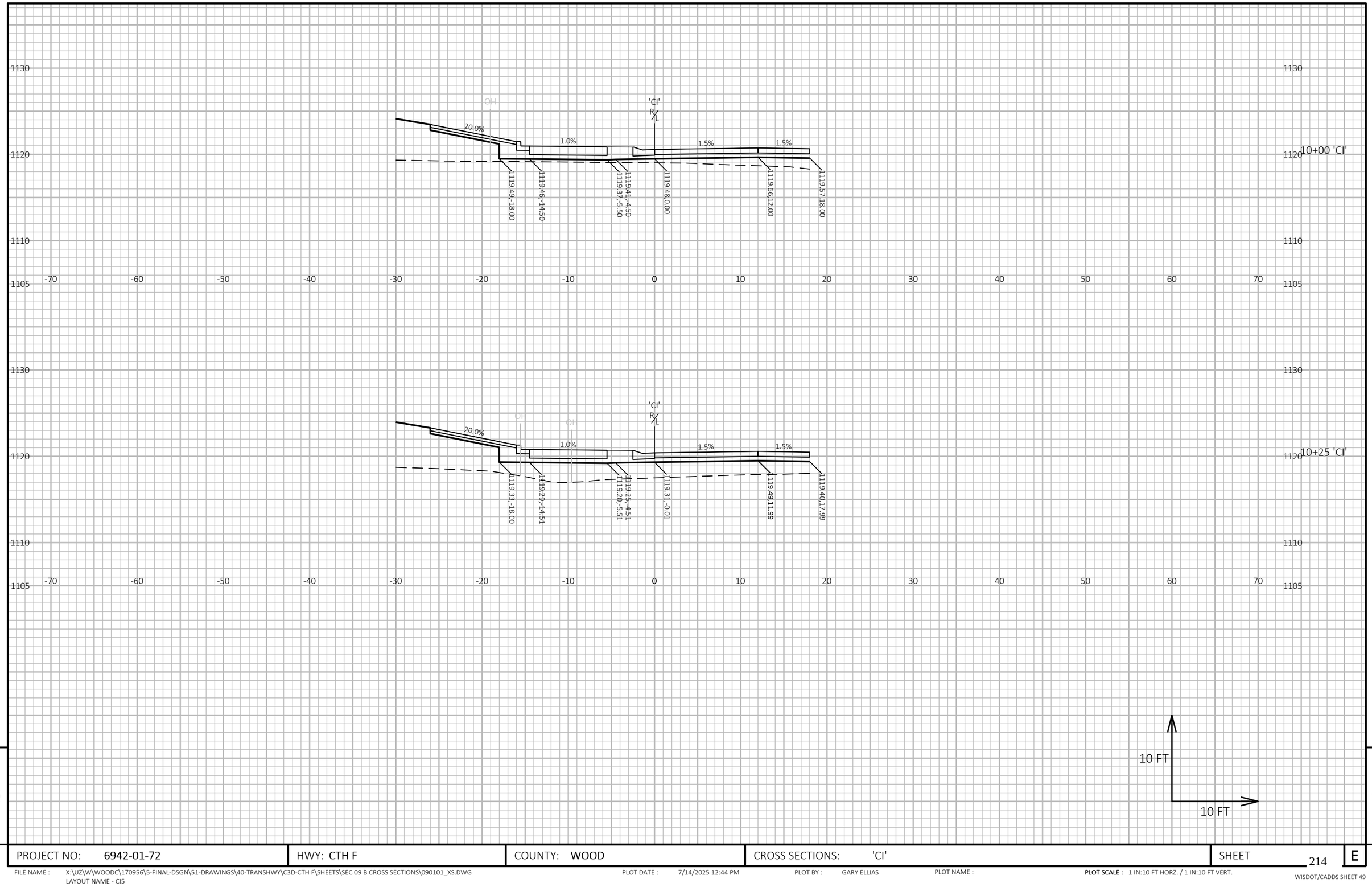
PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'CI'	SHEET 213	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - CI4

PLOT DATE : 7/14/2025 12:44 PM PLOT BY : GARY ELLIAS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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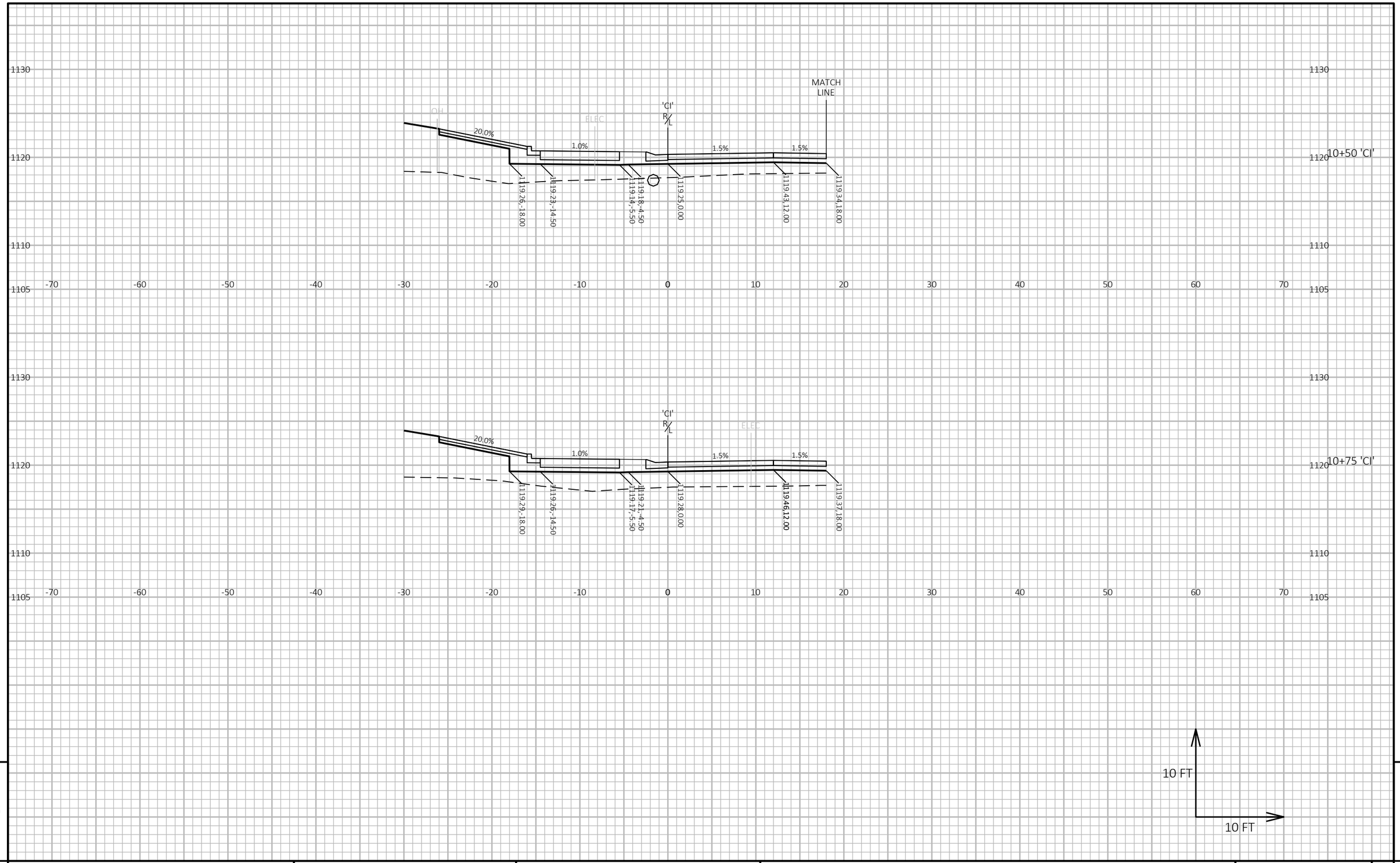
9

PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'CI'	SHEET 214	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - CI5

PLOT DATE : 7/14/2025 12:44 PM PLOT BY : GARY ELLIAS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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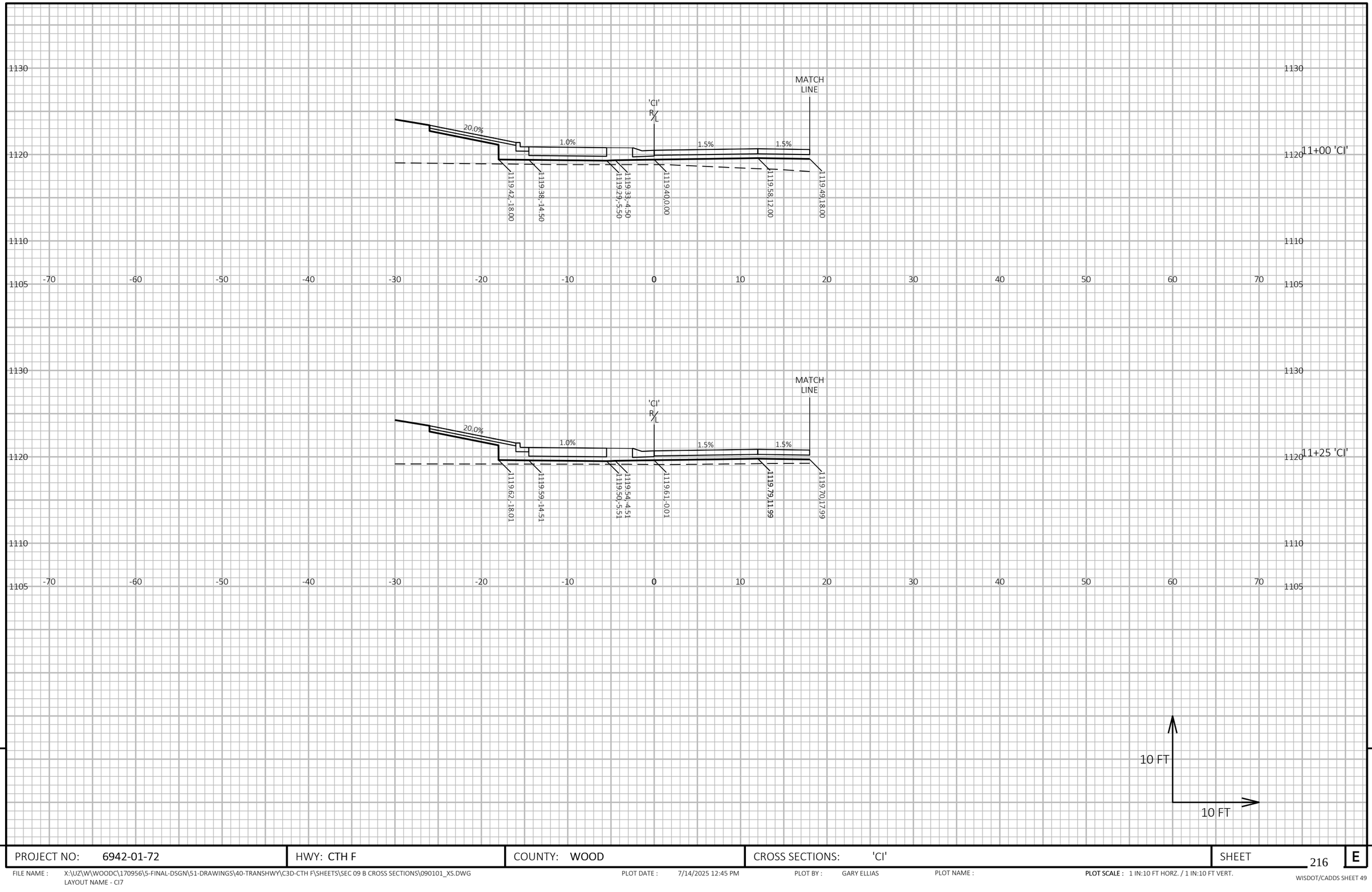
PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'CI'	SHEET 215	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - CI6

PLOT DATE : 7/14/2025 12:45 PM PLOT BY : GARY ELLIAS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

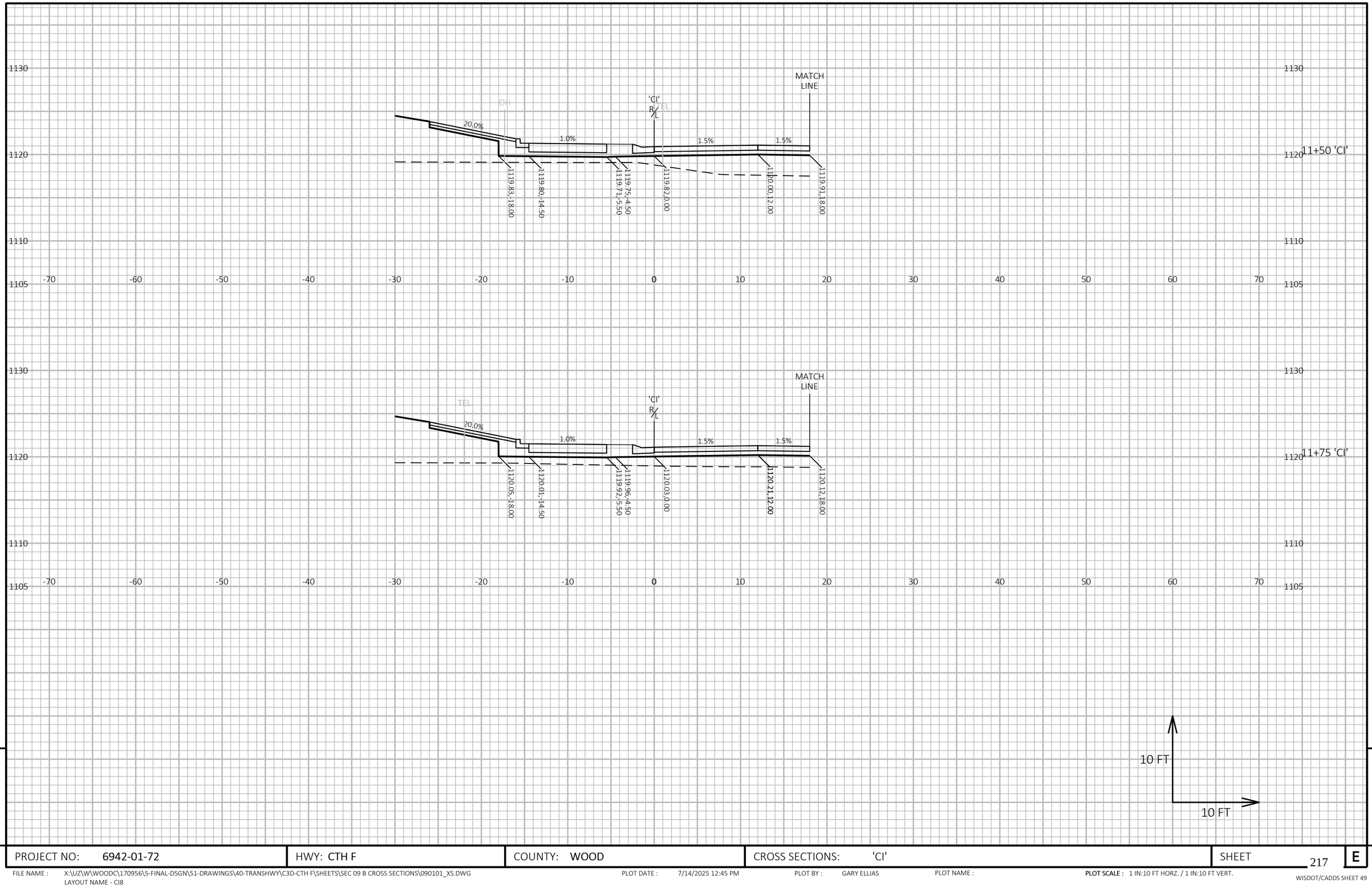
9

PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'CI'	SHEET 216	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - CI7

PLOT DATE : 7/14/2025 12:45 PM PLOT BY : GARY ELLIAS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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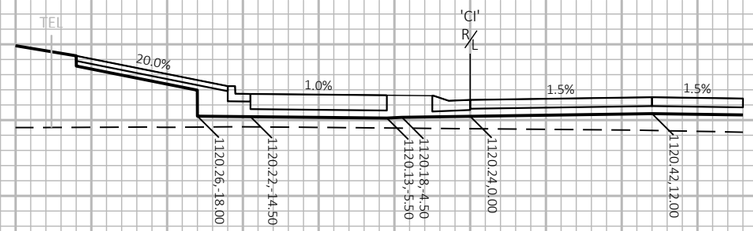
PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'CI'	SHEET 217	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - CI8

PLOT DATE : 7/14/2025 12:45 PM PLOT BY : GARY ELLIAS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



1130
1120
1110
1105
-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

1130
1120 12+00 'CI'
1110
1105

10 FT
10 FT

9

9

PROJECT NO: 6942-01-72	HWY: CTH F	COUNTY: WOOD	CROSS SECTIONS: 'CI'	SHEET 218	E

FILE NAME : X:\UZ\W\WOODC\170956\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-CTH F\SHEETS\SEC 09 B CROSS SECTIONS\090101_XS.DWG
LAYOUT NAME - CI9

PLOT DATE : 7/14/2025 12:45 PM PLOT BY : GARY ELLIAS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Notes

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