

PLAN OF PROPOSED IMPROVEMENT

CTH V

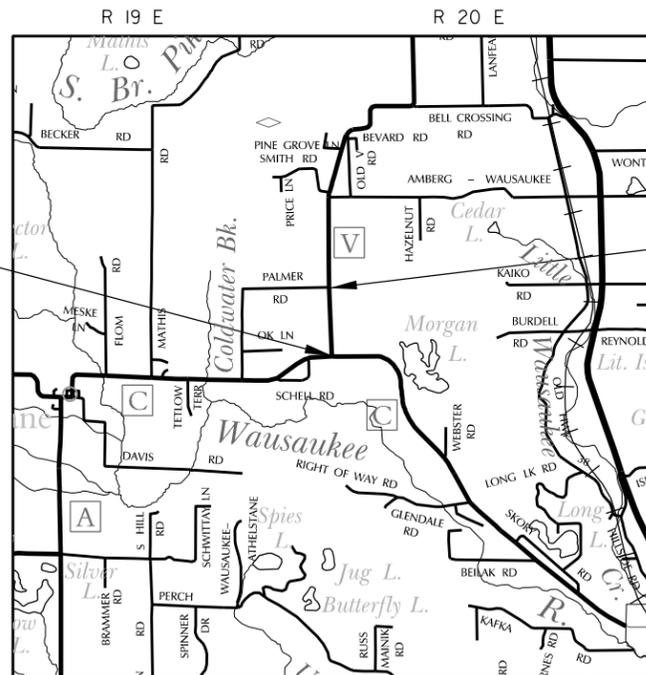
CTH C - PALMER ROAD

MARINETTE COUNTY

PRELIMINARY  
7/1/2014



BEGIN PROJECT  
STA 300+00.00  
Y = 269100.911  
X = 699310.217



END PROJECT  
STA 339+50.00

CONVENTIONAL SYMBOLS

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

PROFILE

GRADE LINE	
ORIGINAL GROUND	
MARSH OR ROCK PROFILE (To be noted as such)	
SPECIAL DITCH	
GRADE ELEVATION	
CULVERT (Profile View)	
UTILITIES	
ELECTRIC	
FIBER OPTIC	
GAS	
SANITARY SEWER	
STORM SEWER	
TELEPHONE	
WATER	
UTILITY PEDESTAL	
POWER POLE	
TELEPHONE POLE	

LAYOUT  
SCALE 0 1 MI.

TOTAL NET LENGTH OF CENTERLINE = 0.748 MI.

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), MARINETTE COUNTY.

GENERAL NOTES

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, ARE TO BE 4-INCH SALVAGED TOPSOIL, FERTILIZED, SEEDED AND MULCHED OR EROSION MATTED.

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

EROSION CONTROL ITEMS SHALL BE PLACED AS SHOWN IN THE PLAN OR AS DIRECTED BY THE ENGINEER. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL SUCH TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY.

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

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

FILL AS SHOWN ON THE PLANS PERTAINS TO EMBANKMENT CONSTRUCTED FROM COMMON EXCAVATION. THE ALLOWANCE USED FOR EXPANDING THE FILLS TO COMPUTE THE VOLUME OF MATERIAL REQUIRED IS 20% COMMON EXCAVATION.

LOCATIONS OF EXCAVATION BELOW SUBGRADE (EBS) ARE TO BE DETERMINED BY THE ENGINEER IN THE FIELD AND SHALL BE PAID FOR AS "COMMON EXCAVATION".

DETAILS OF CONSTRUCTION NOT SHOWN ON THE PLAN SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION INCLUDING ANNUAL AND INTERIM SUPPLEMENTAL SPECIFICATIONS.

THERE ARE UTILITY FACILITIES WITHIN THE PROJECT AREA THAT WILL BE WITHIN THE LIMITS OF CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE THEIR CONSTRUCTION ACTIVITIES WITH A CALL TO DIGGER'S HOTLINE AND/OR A DIRECT CALL TO THE UTILITIES THAT HAVE FACILITIES IN THE AREA.

BEARINGS SHOWN ON THE PLANS ARE GRID BEARINGS TO THE NEAREST SECOND.

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

ALIGNMENT WAS BASED ON CENTERLINE SHOTS. IF ADJUSTMENTS TO THE ALIGNMENT ARE NEEDED IN THE FIELD, THE ADJUSTMENTS WILL BE APPROVED BY THE ENGINEER.

PAVEMENT MARKINGS ARE NOT PART OF THIS CONTRACT.

UTILITY CONTACTS

WISCONSIN PUBLIC SERVICE CORPORATION - ELECTRIC  
1717 10TH AVENUE  
MENOMINEE, WI 49858  
TELEPHONE: 906.863.4319  
ATTENTION: ROBERT FALASH  
EMAIL: RJFALASH@WISCONSINPUBLICSERVICE.COM

CENTURYLINK - COMMUNICATION LINE  
100 VICKIE DRIVE  
PO BOX 260  
WAUSAUKEE, WI 54177  
TELEPHONE: 715.856.9138  
ATTENTION: PAT TRACY  
EMAIL: PATRICK.TRACY@CENTURYLINK.COM

WISCONSIN DNR LIASON

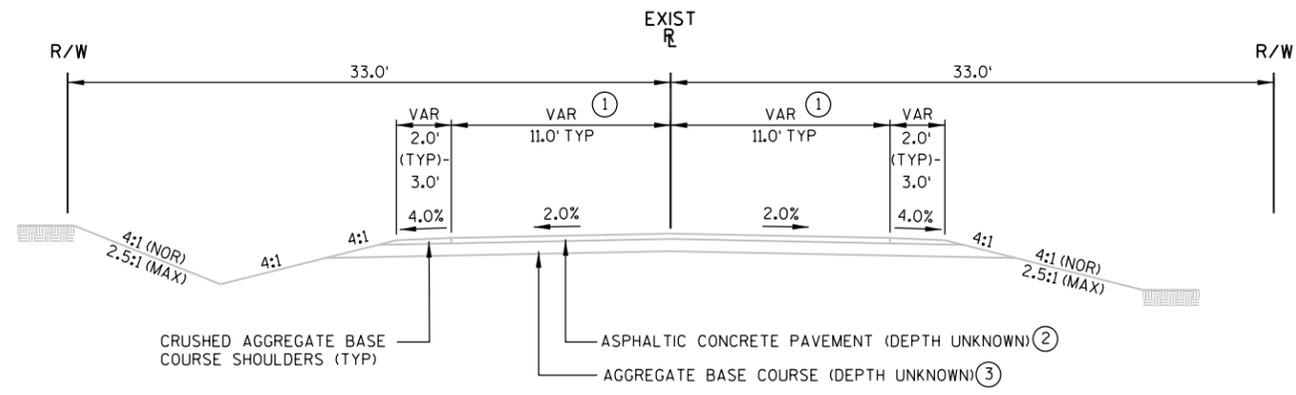
DEPARTMENT OF NATURAL RESOURCES  
2984 SHAWANO AVENUE  
GREEN BAY, WI 54313-6727  
TELEPHONE: 920.662.5100  
ATTENTION: SARAH ANDERSON  
EMAIL: SARAH.ANDERSON@WISCONSIN.GOV

DESIGN CONTACT

CBS SQUARED INC.  
200 E. WASHINGTON STREET, SUITE 2F  
APPLETON, WI 54911  
TELEPHONE: 920.574.3135  
ATTENTION: JOE MALENOSKI, PE  
EMAIL: JMALENOSKI@CBSSQUAREDINC.COM

NOTES:

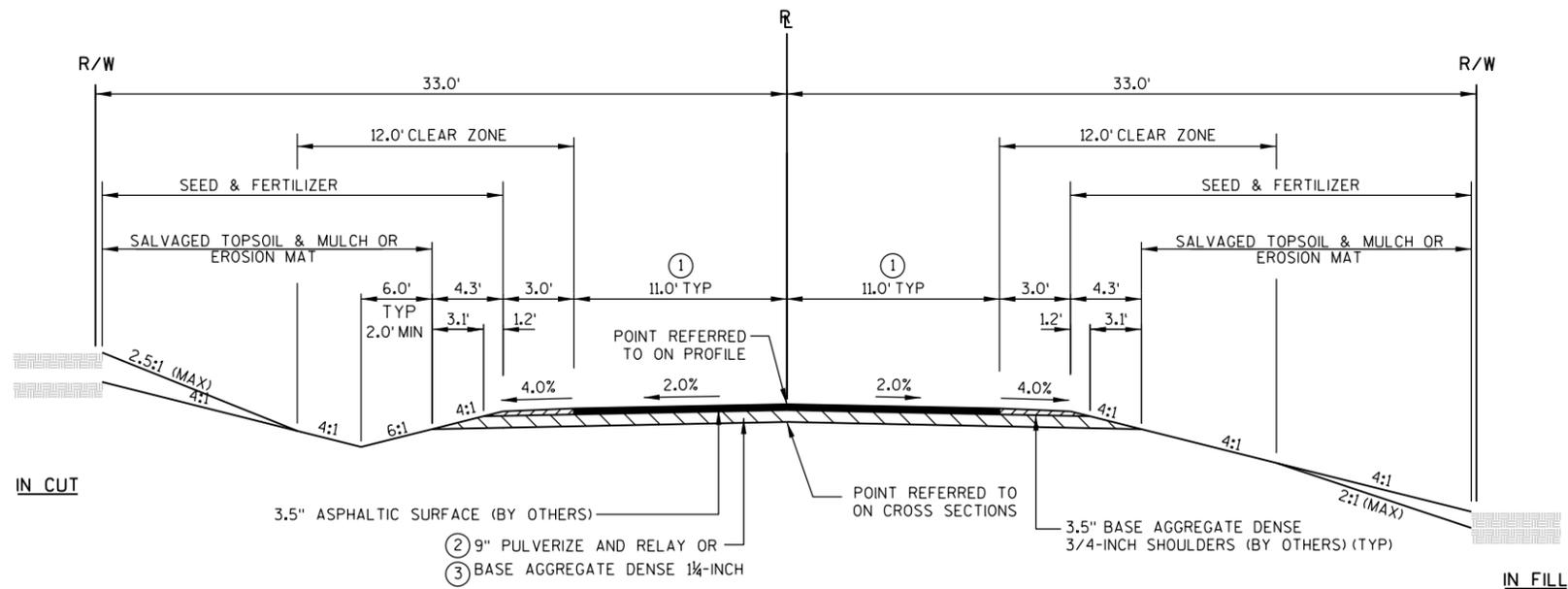
- ① SIDE ROAD WIDTHS ARE MEASURED FROM THE EXISTING SIDE ROAD ALIGNMENTS UNLESS OTHERWISE NOTED.
- ② DEPTH OF EXISTING ASPHALTIC CONCRETE PAVEMENT ASSUMED TO BE 3-INCHES FOR CALCULATING QUANTITY OF MATERIAL FOR PULVERIZING AND RELAYING. ACTUAL DEPTH MAY VARY.
- ③ DEPTH OF EXISTING AGGREGATE BASE COURSE ASSUMED TO BE 6-INCHES FOR CALCULATING QUANTITY OF MATERIAL FOR PULVERIZING AND RELAYING. ACTUAL DEPTH MAY VARY.



**TYPICAL EXISTING SECTION**  
 CTH V  
 CTH C

NOTES:

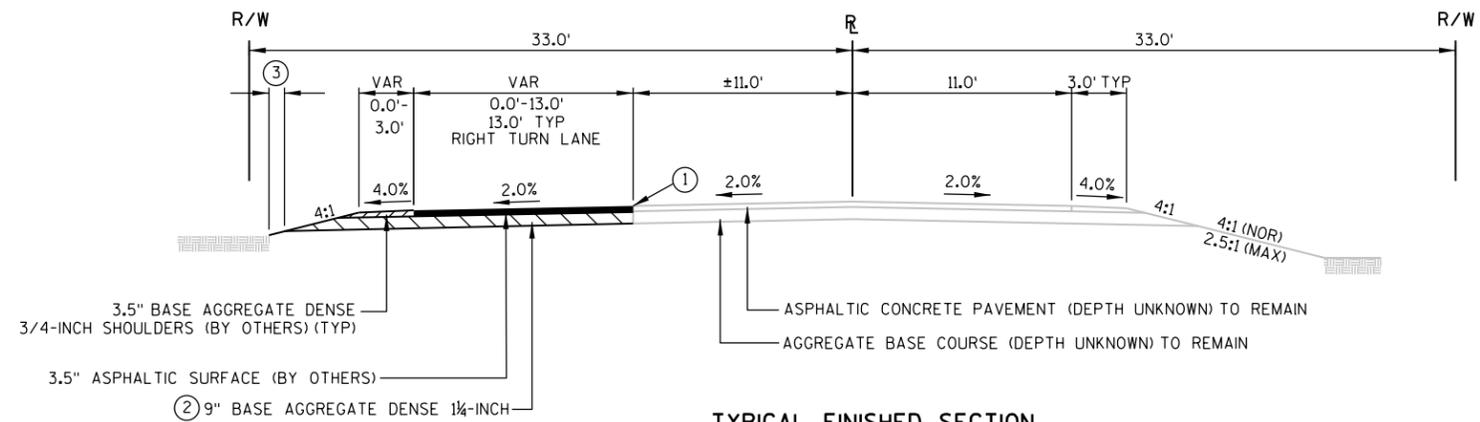
- ① WIDTH VARIES FROM 11.0' TO 15.0' FROM STA 300+76.76 TO STA 301+46.17.
- ② PULVERIZED MATERIAL SHALL BE STOCKPILED WITHIN PROJECT LIMITS PRIOR TO RE-LAYING (INCIDENTAL TO BID ITEM "PULVERIZE AND RELAY").
- ③ BASE AGGREGATE DENSE 1/4-INCH SHALL BE USED WHEN THE QUANTITY OF PULVERIZED AND RE-LAID MATERIAL IS INSUFFICIENT TO CONSTRUCT ENTIRETY OF BASE COURSE.



**TYPICAL FINISHED SECTION**  
 CTH V  
 STA 300+76.76 TO STA 339+50.00

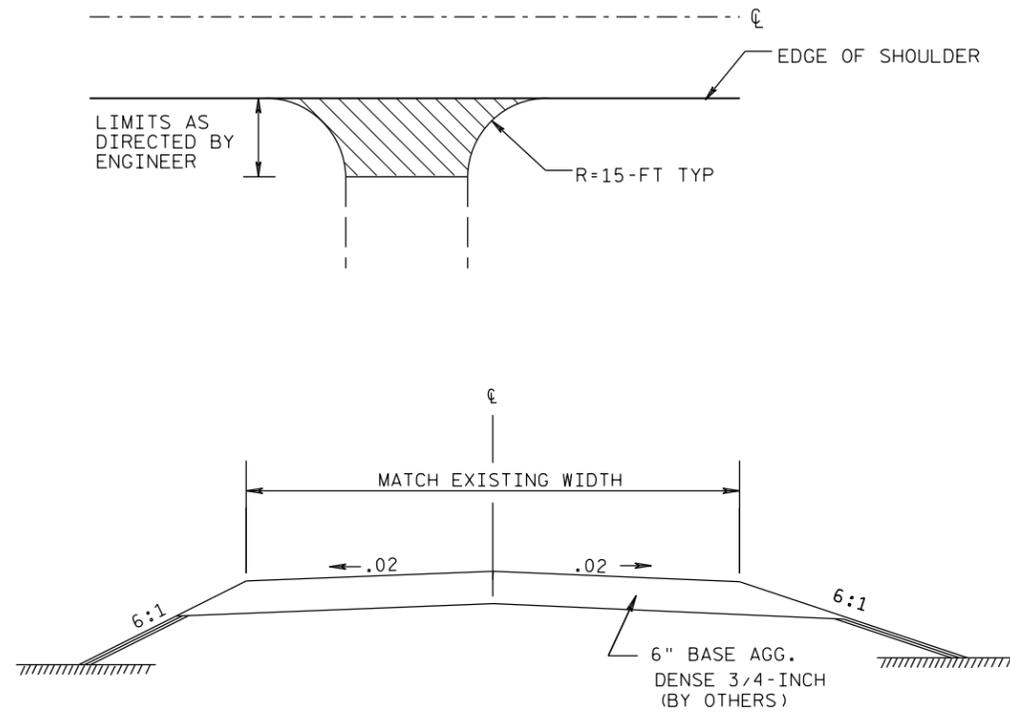
NOTES:

- ① STA 205+37.65 TO STA 207+14.72 LT - SAWCUT REQ'D
- ② BASE AGGREGATE DENSE 1/4-INCH SHALL BE USED WHEN THE QUANTITY OF PULVERIZED AND RE-LAID MATERIAL IS INSUFFICIENT TO CONSTRUCT ENTIRETY OF BASE COURSE.
- ③ SALVAGED TOPSOIL, SEED, FERTILIZER, & MULCH DISTURBED AREAS.

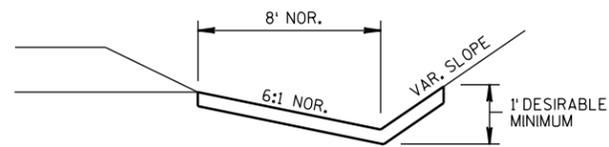


**TYPICAL FINISHED SECTION**  
 CTH C  
 STA 204+79.17 TO STA 210+86.70

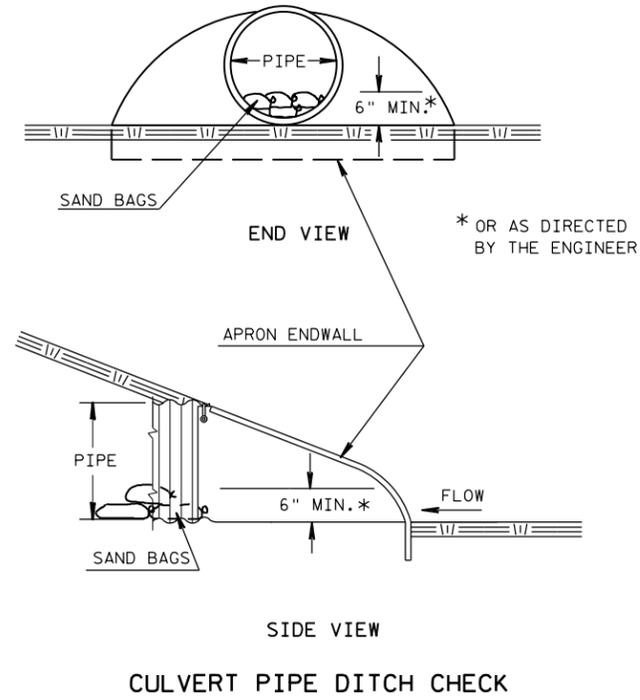
RURAL DRIVEWAY DETAIL



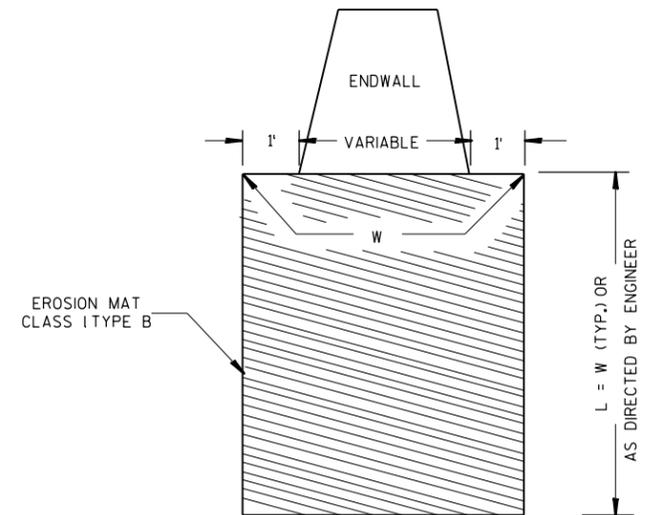
TYPICAL SECTION FOR PRIVATE ENTRANCES



EROSION MAT DETAIL FOR DITCHES

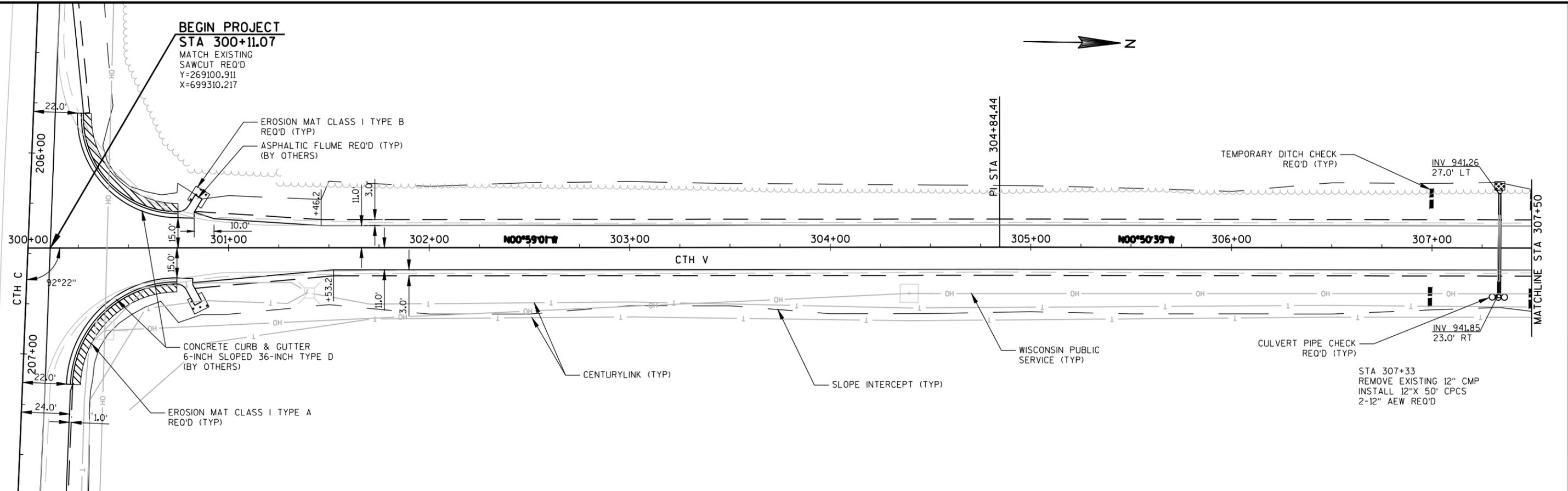


CULVERT PIPE DITCH CHECK



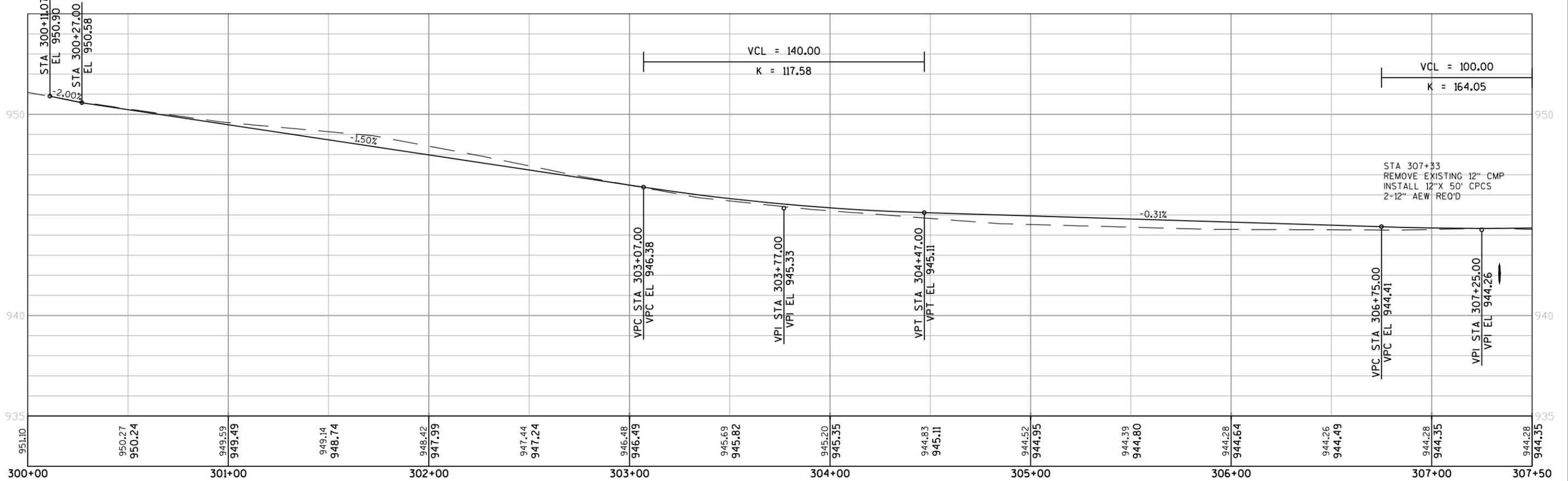
EROSION MAT TREATMENT AT CULVERTS

**BEGIN PROJECT**  
**STA 300+11.07**  
 MATCH EXISTING  
 SAWCUT REQ'D  
 Y=269100.911  
 X=699310.217



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PROJECT NO: MARIN 14001

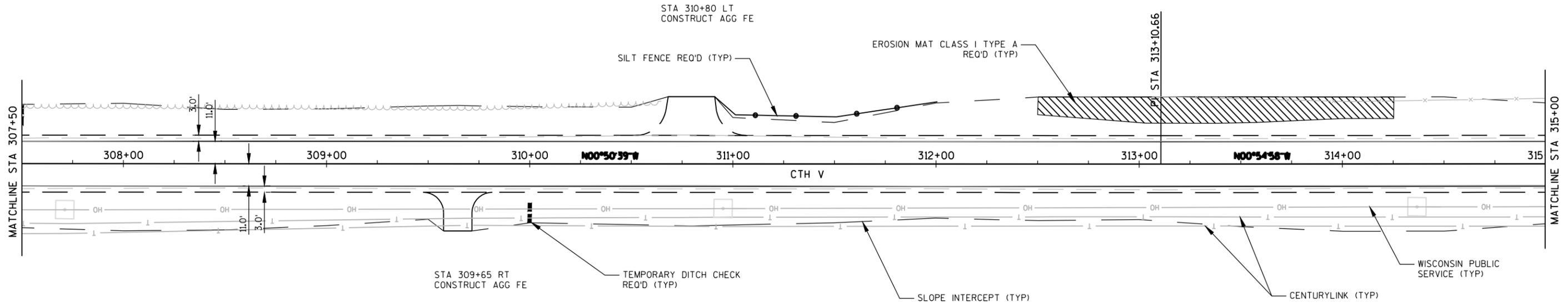
HWY: CTH V

COUNTY: MARINETTE

PLAN AND PROFILE

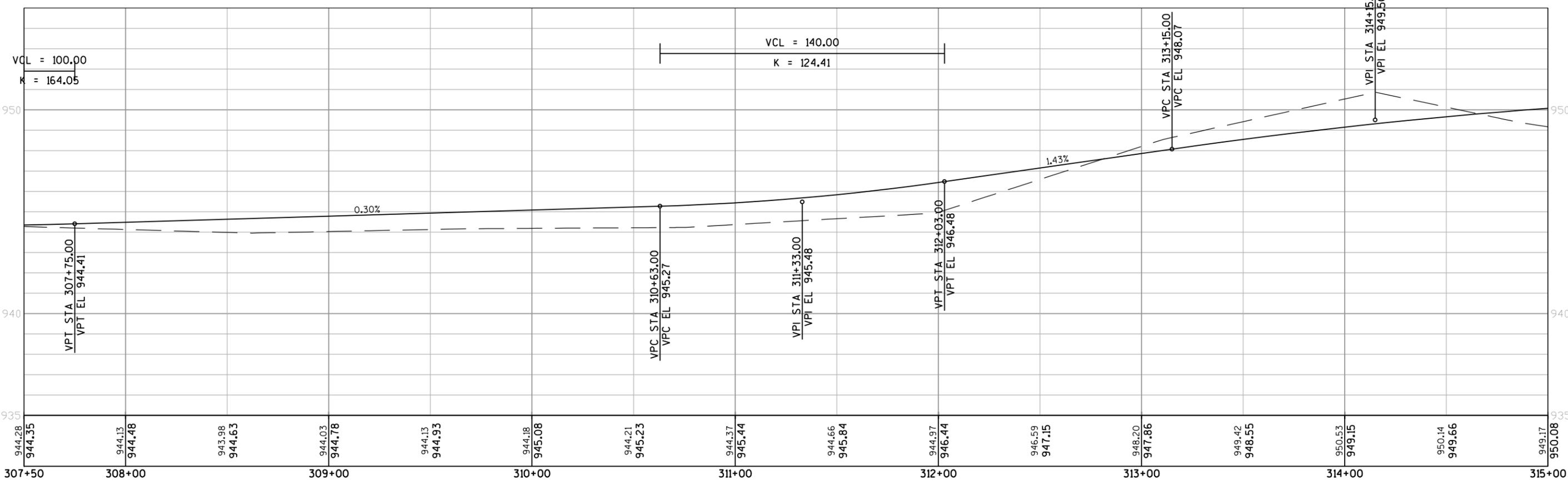
SHEET

E



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PROJECT NO: MARIN 14001

HWY: CTH V

COUNTY: MARINETTE

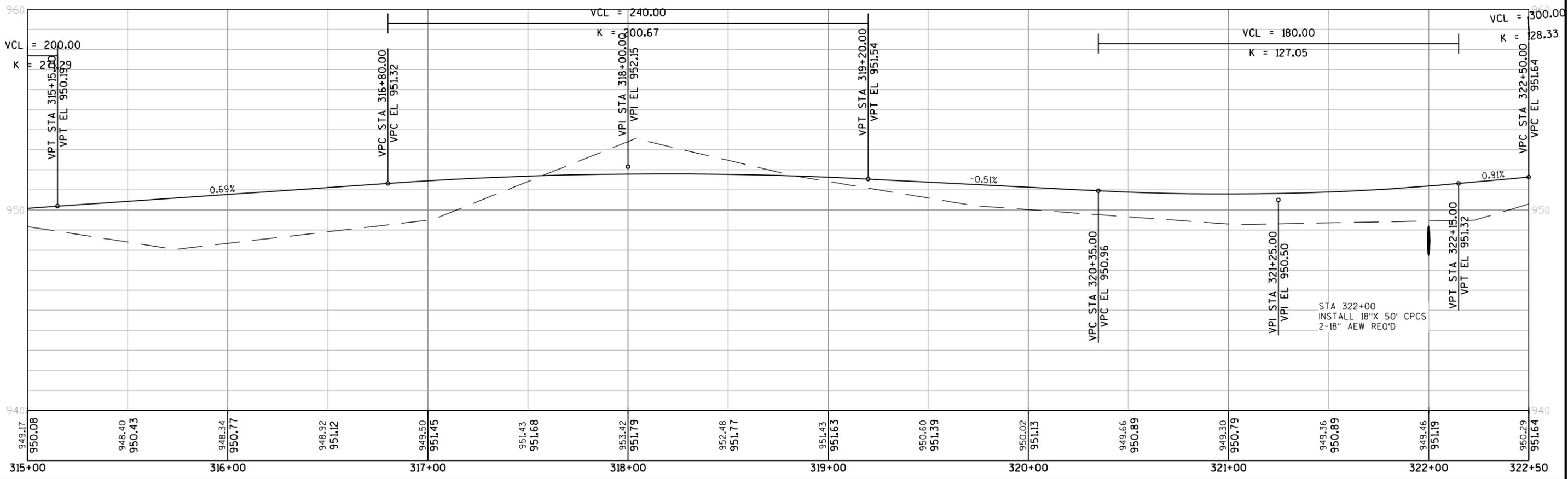
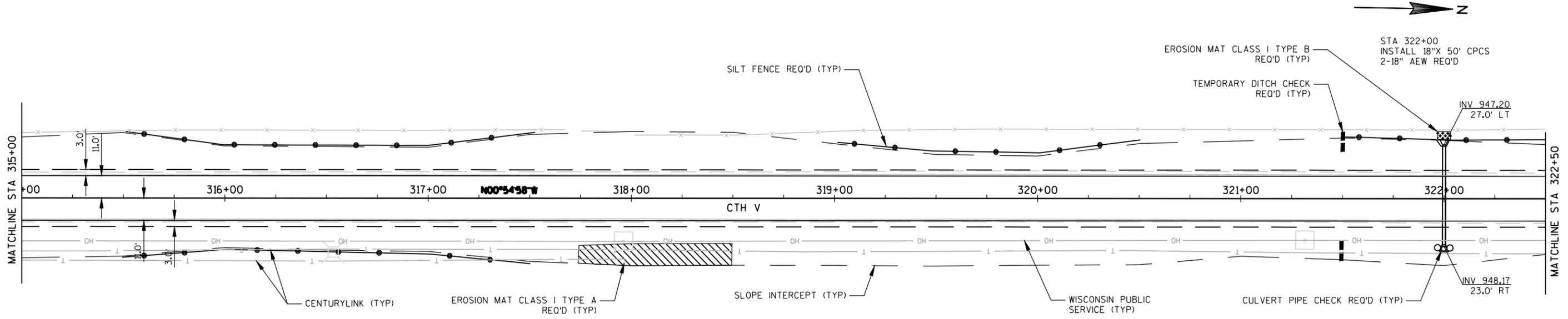
PLAN AND PROFILE

SHEET

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PROJECT NO: MARIN 14001

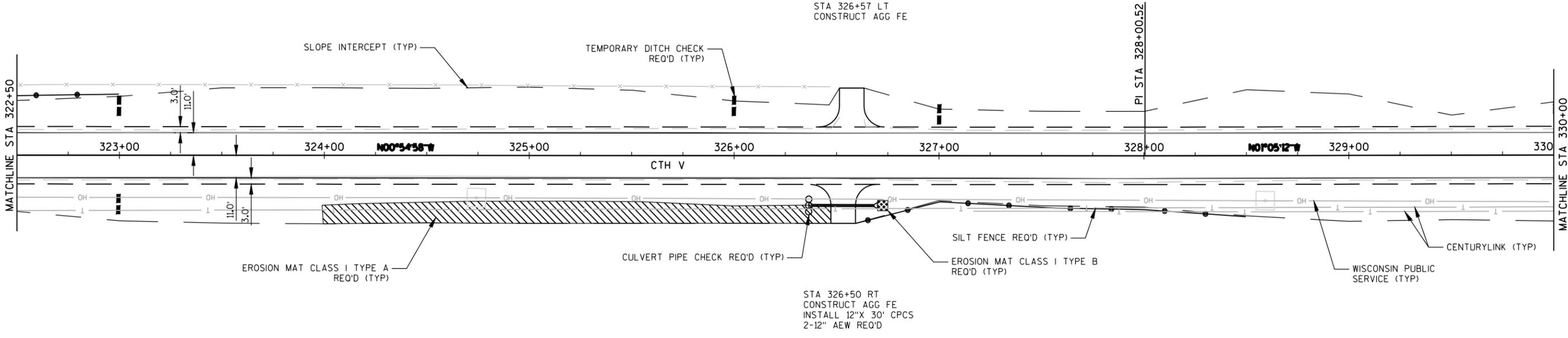
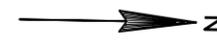
HWY: CTH V

COUNTY: MARINETTE

PLAN AND PROFILE

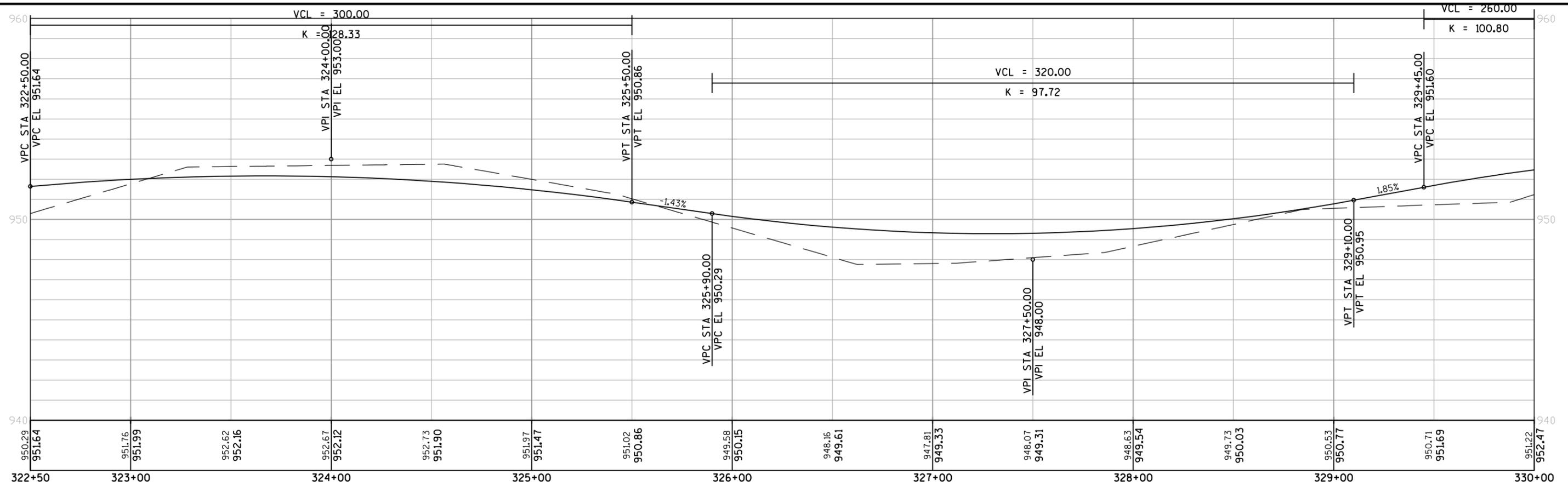
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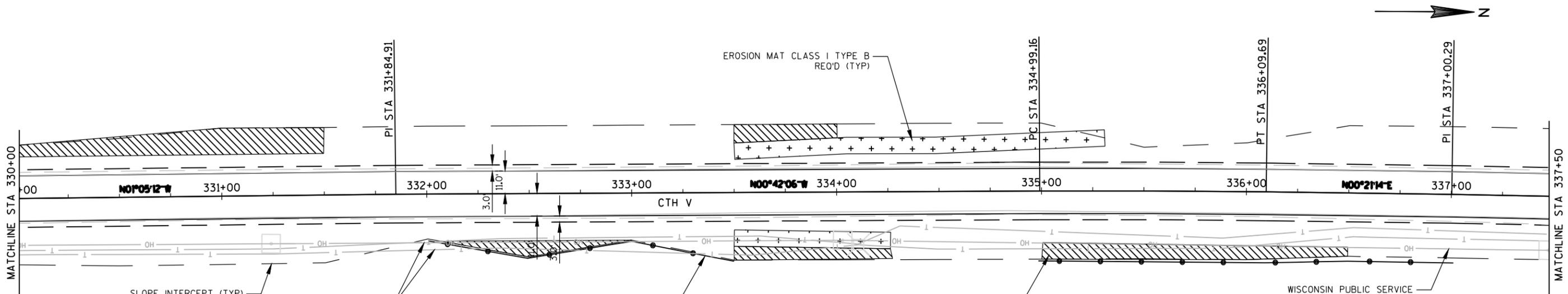
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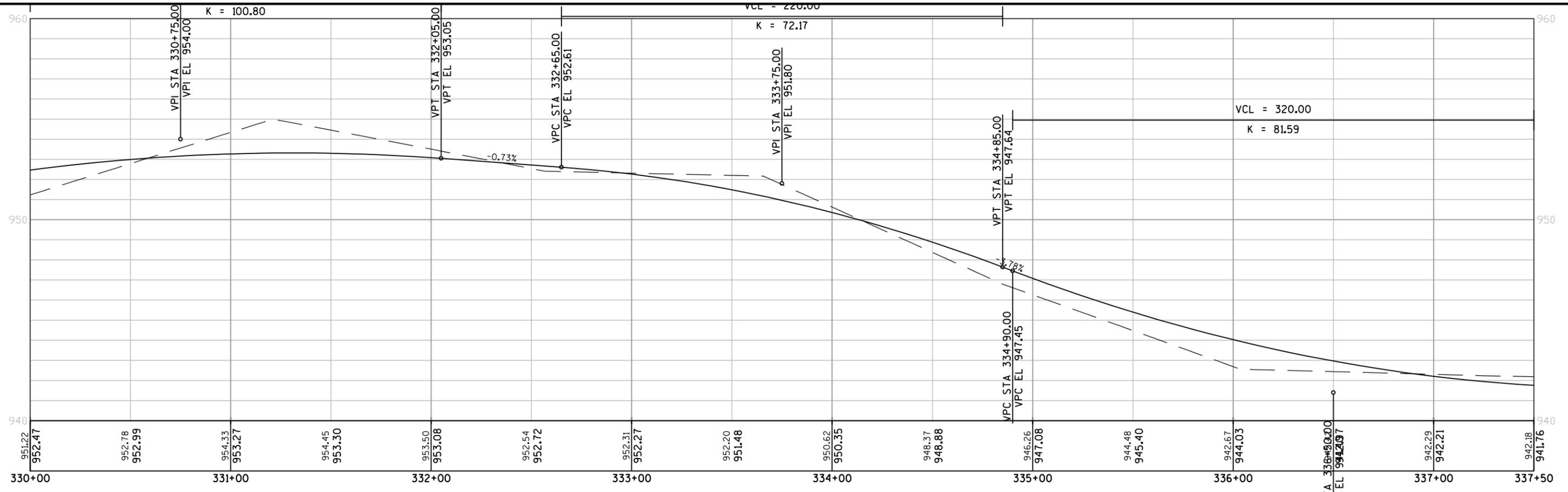
PROJECT NO: MARIN 14001	HWY: CTH V	COUNTY: MARINETTE	PLAN AND PROFILE	SHEET	E
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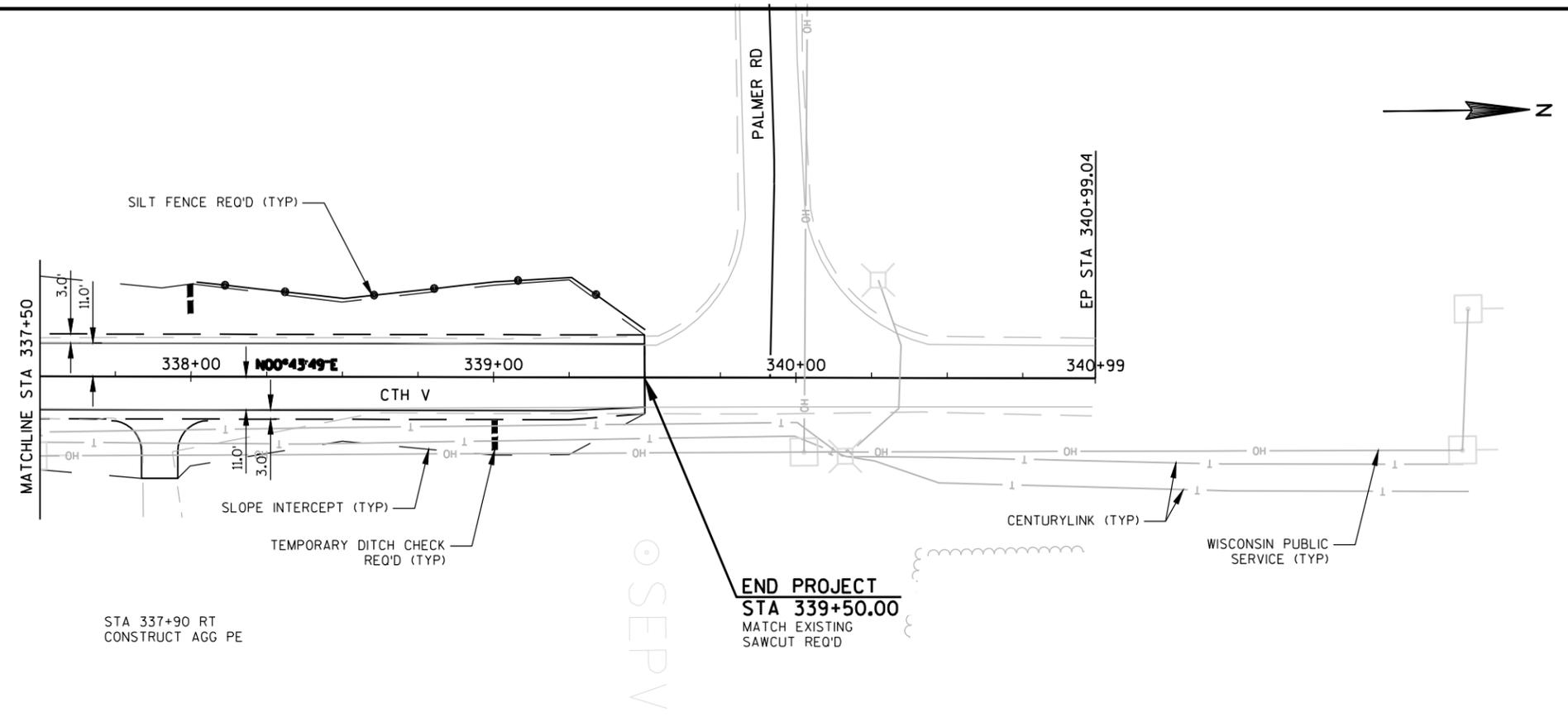


**CURVE DATA ALL CTH V**  
 DELTA = 1°03'20"  
 T = 55.27  
 L = 110.53  
 R = 6000.00  
 PI STA 335+54.42  
 PI Y = 272643.8173  
 PI X = 699254.2840  
 SE = NC

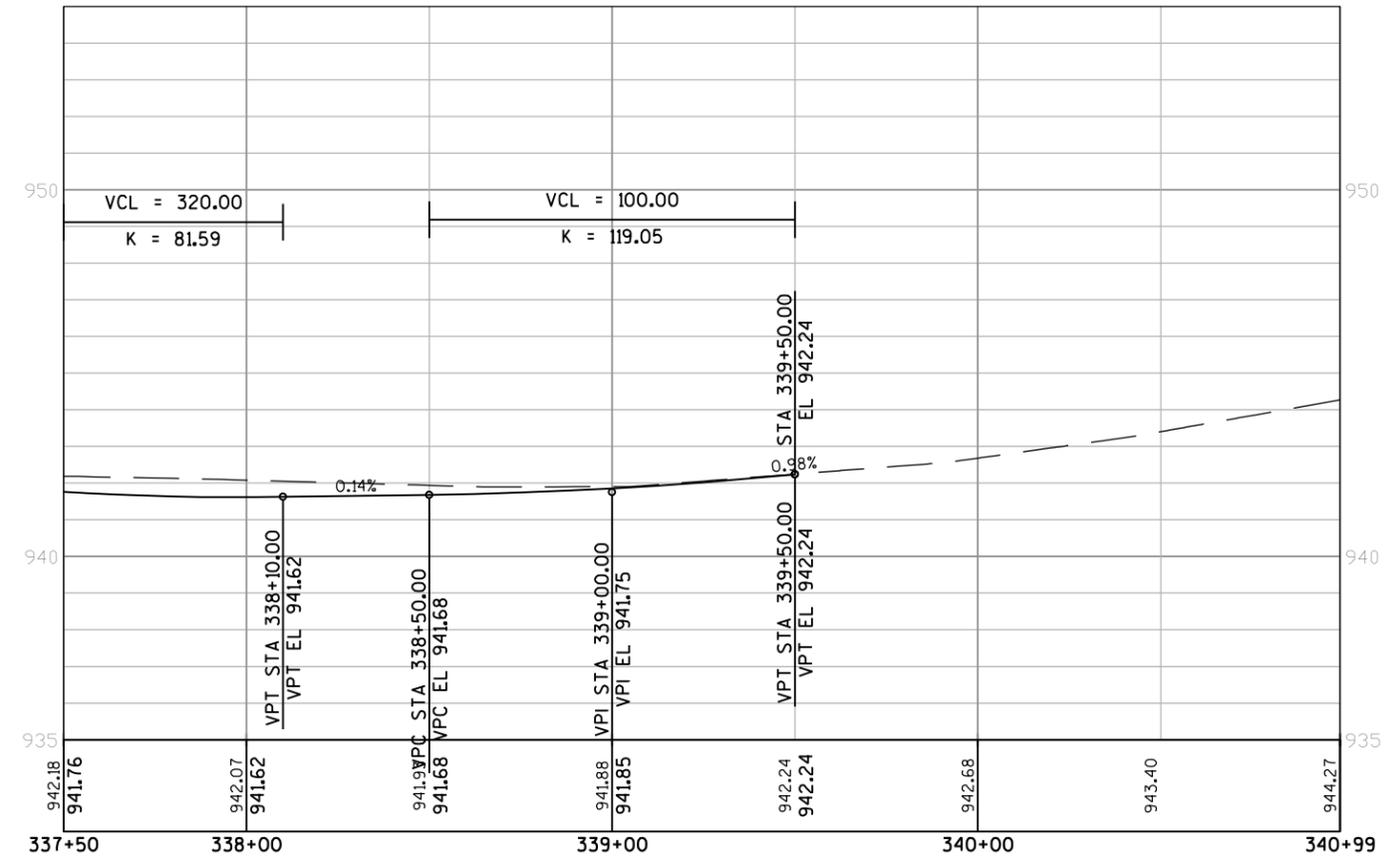


PROJECT NO: MARIN 14001	HWY: CTH V	COUNTY: MARINETTE	PLAN AND PROFILE	SHEET	E
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RADIUS POINT TABLE

POINT	STATION	OFFSET	RADIUS	COORDINATES
CC1	STA 300+74.76 CTH V	65.0' LT	50.0'	Y= 269163.470
	STA 205+79.25 CTH C	72.0' LT		X= 699244.133
CC2	STA 300+74.16 CTH V	70.0' RT	55.0'	Y= 269165.196
	STA 207+14.16 CTH C	77.0' LT		X= 699379.124



**BEGIN CONSTRUCTION**  
**STA 204+79.25**  
 MATCH EXISTING  
 Y=269093.917  
 X=699142.416

EROSION MAT CLASS I TYPE B  
 REQ'D (TYP)

CONCRETE CURB & GUTTER  
 6-INCH SLOPED 36-INCH TYPE D  
 (BY OTHERS)

CC1

ASPHALTIC FLUME REQ'D (TYP)  
 (BY OTHERS)

EROSION MAT CLASS I TYPE A  
 REQ'D (TYP)

CC2

STA 208+56 LT  
 EXTEND EXISTING 24" CMP  
 5' - 24" CPCS REQ'D  
 REMOVE EXISTING 24" AEW  
 1-24" AEW REQ'D

CULVERT PIPE CHECK  
 REQ'D (TYP)

WISCONSIN PUBLIC  
 SERVICE (TYP)

SLOPE INTERCEPT (TYP)

SILT FENCE REQ'D (TYP)

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204+00 205+00 206+00 207+00 208+00 209+00 210+00 211+00

CTH C

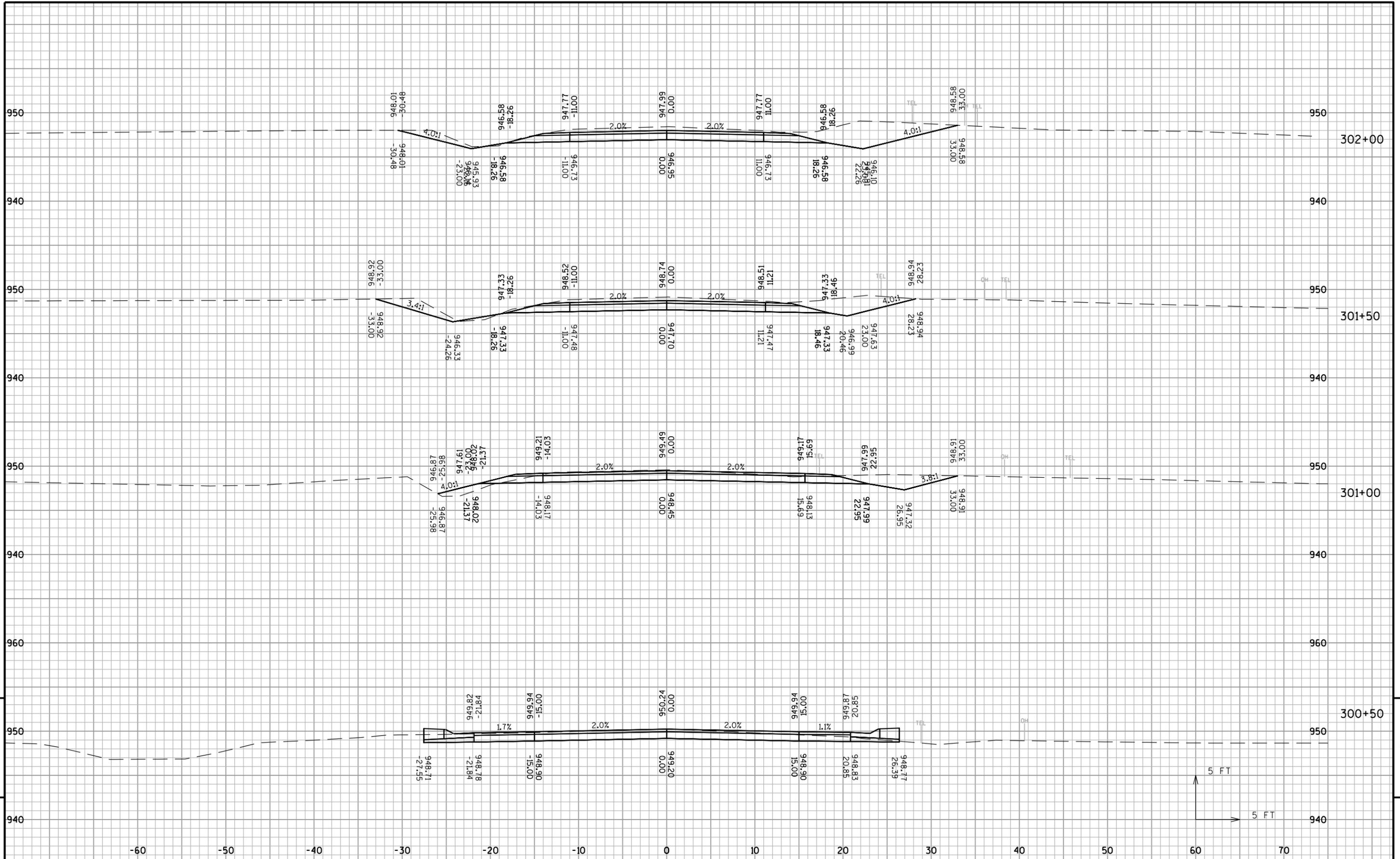
**STA 206+47.29 CTH C =**  
**STA 300+00.00 CTH V**  
 TYPE B1 INTERSECTION REQ'D

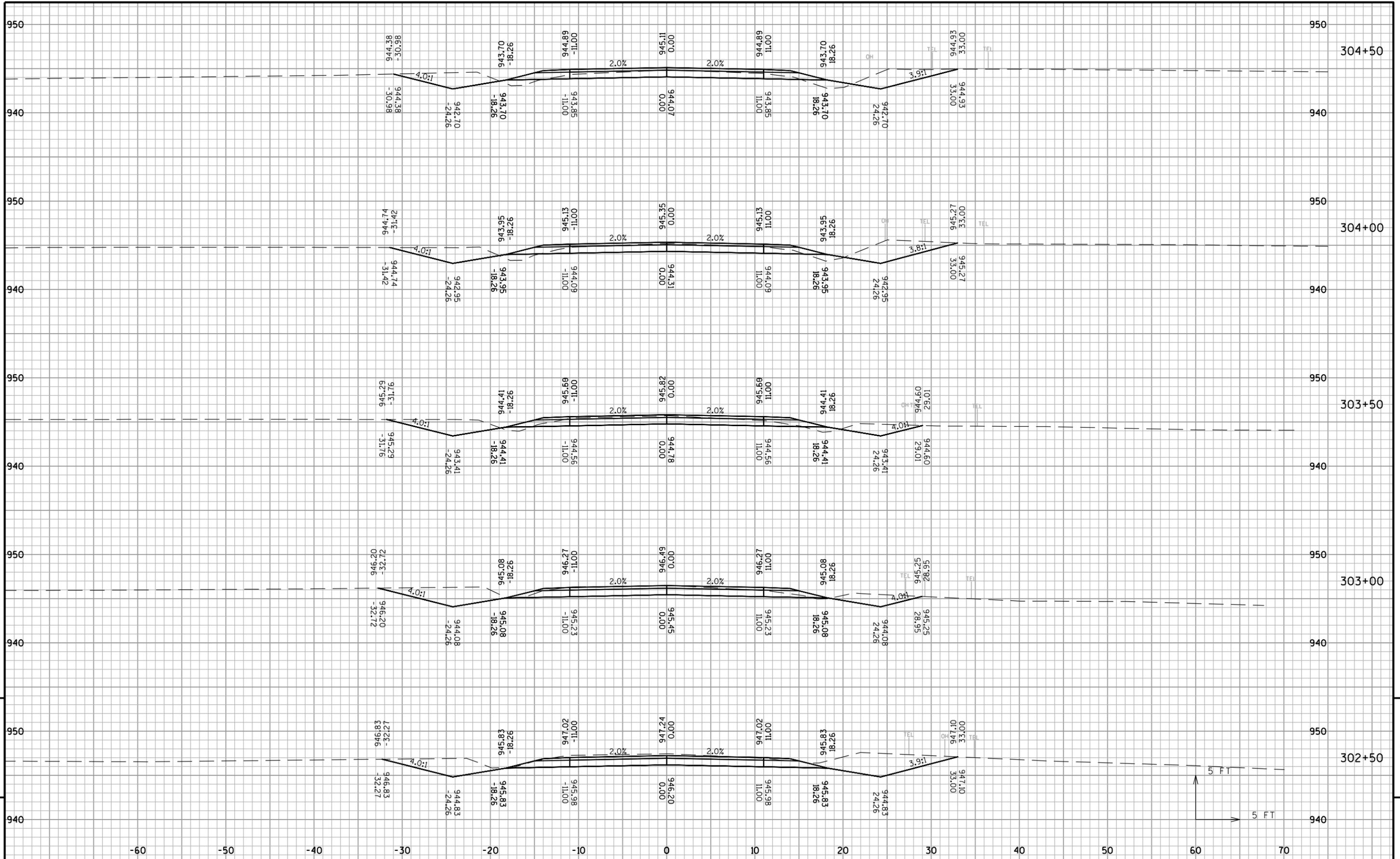
STA 205+37.65 TO STA 207+14.72 LT  
 SAWCUT REQ'D

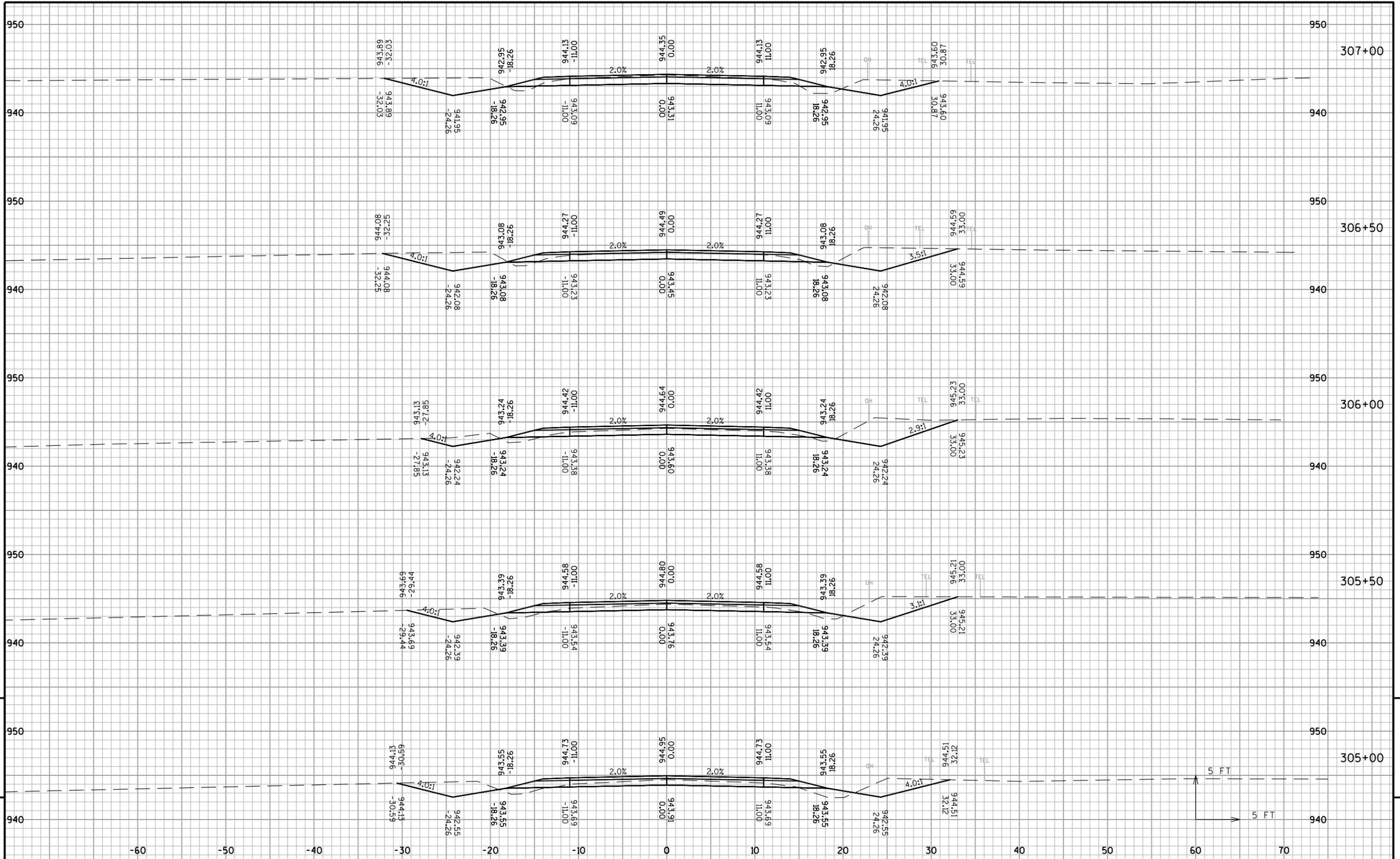
**END CONSTRUCTION**  
**STA 210+64.16**  
 MATCH EXISTING

WISCONSIN PUBLIC SERVICE (TYP)

CENTURYLINK (TYP)







PROJECT NO: MARIN 14001

HWY: CTH V

COUNTY: MARINETTE

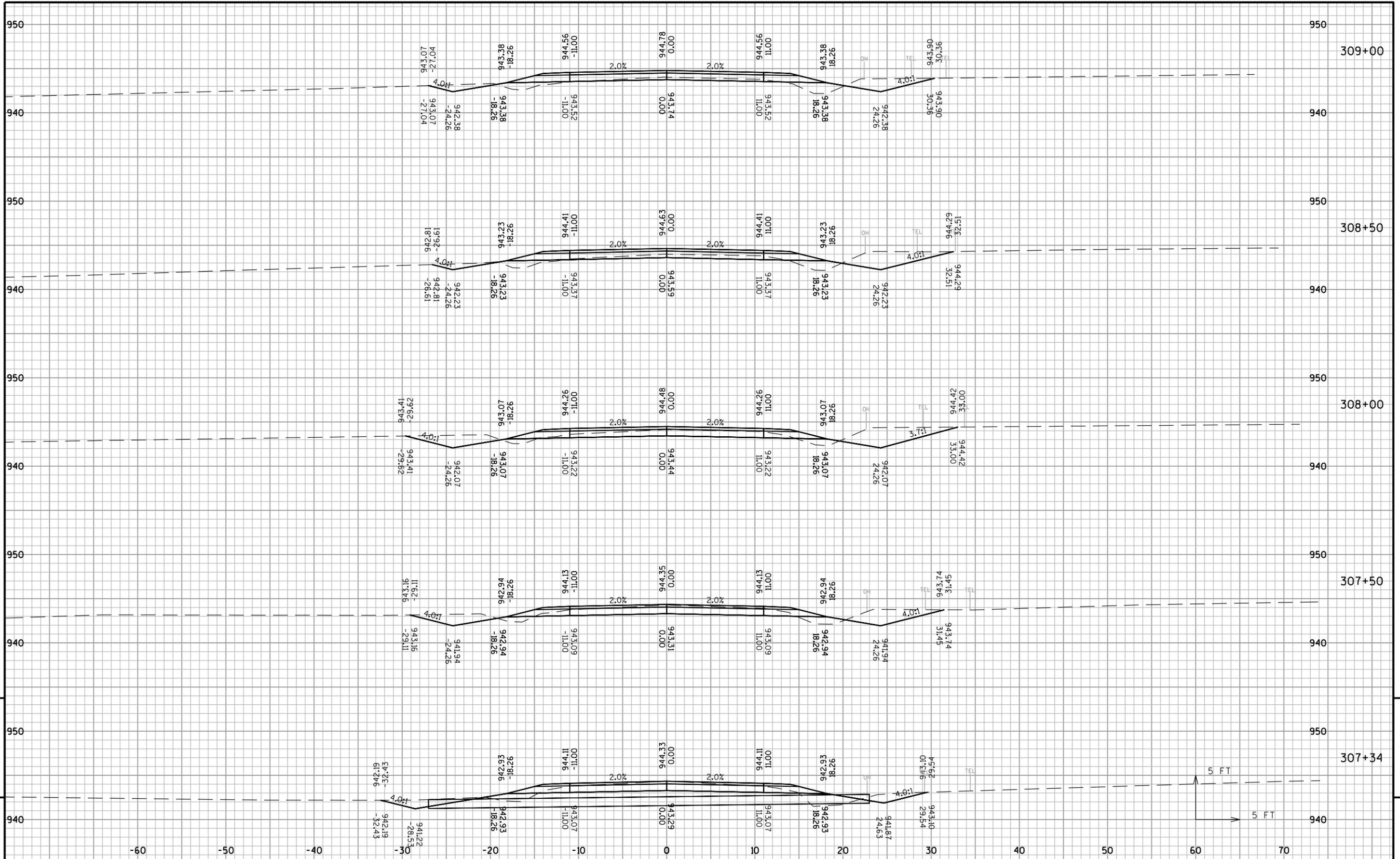
CROSS SECTIONS: CTH V

SHEET

E

FILE NAME :

SHEET NAME: CTHV - (9)



PROJECT NO: MARIN 14001

HWY: CTH V

COUNTY: MARINETTE

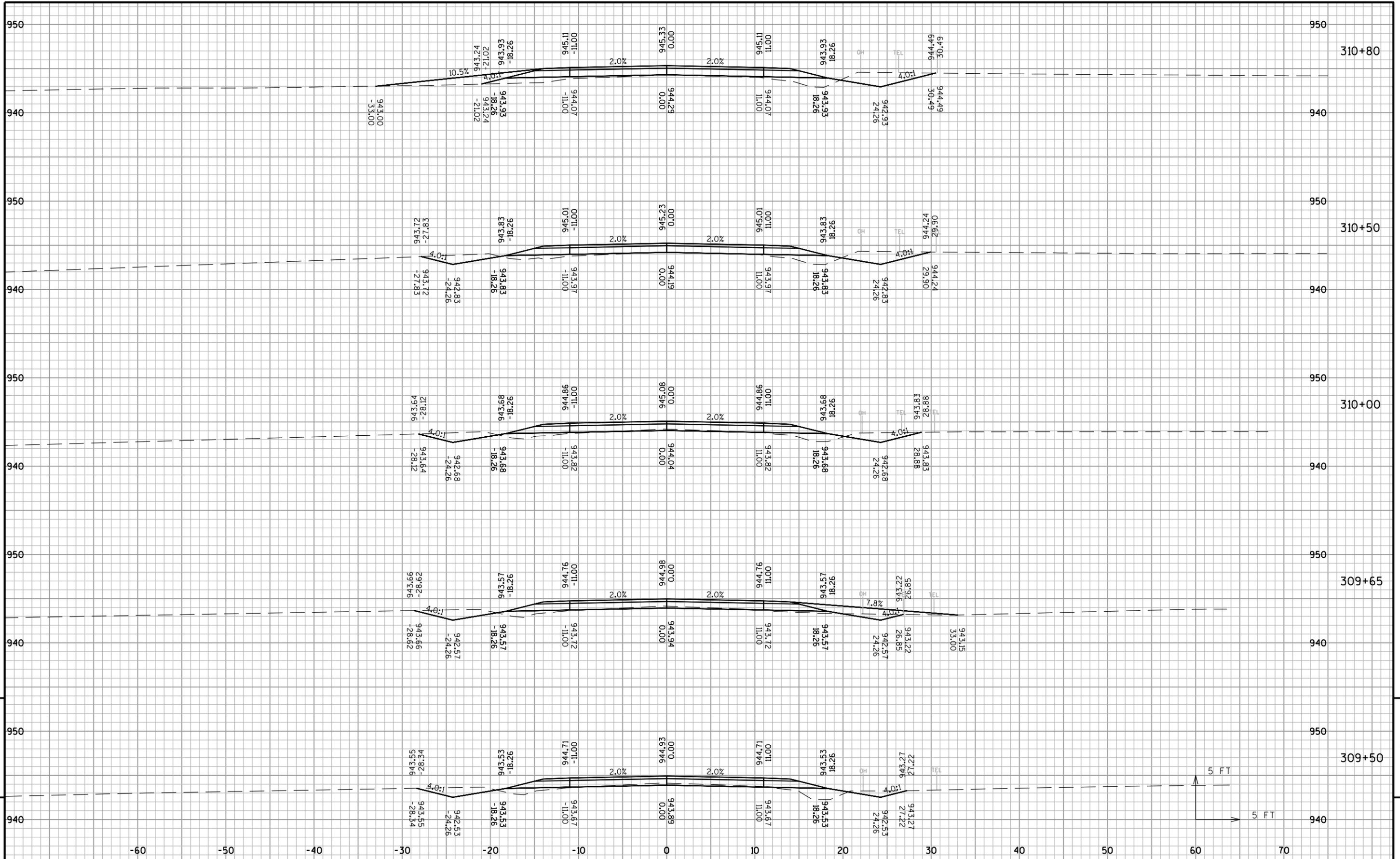
CROSS SECTIONS: CTH V

SHEET

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SHEET NAME: CTHV - (10)



PROJECT NO: MARIN 14001

HWY: CTH V

COUNTY: MARINETTE

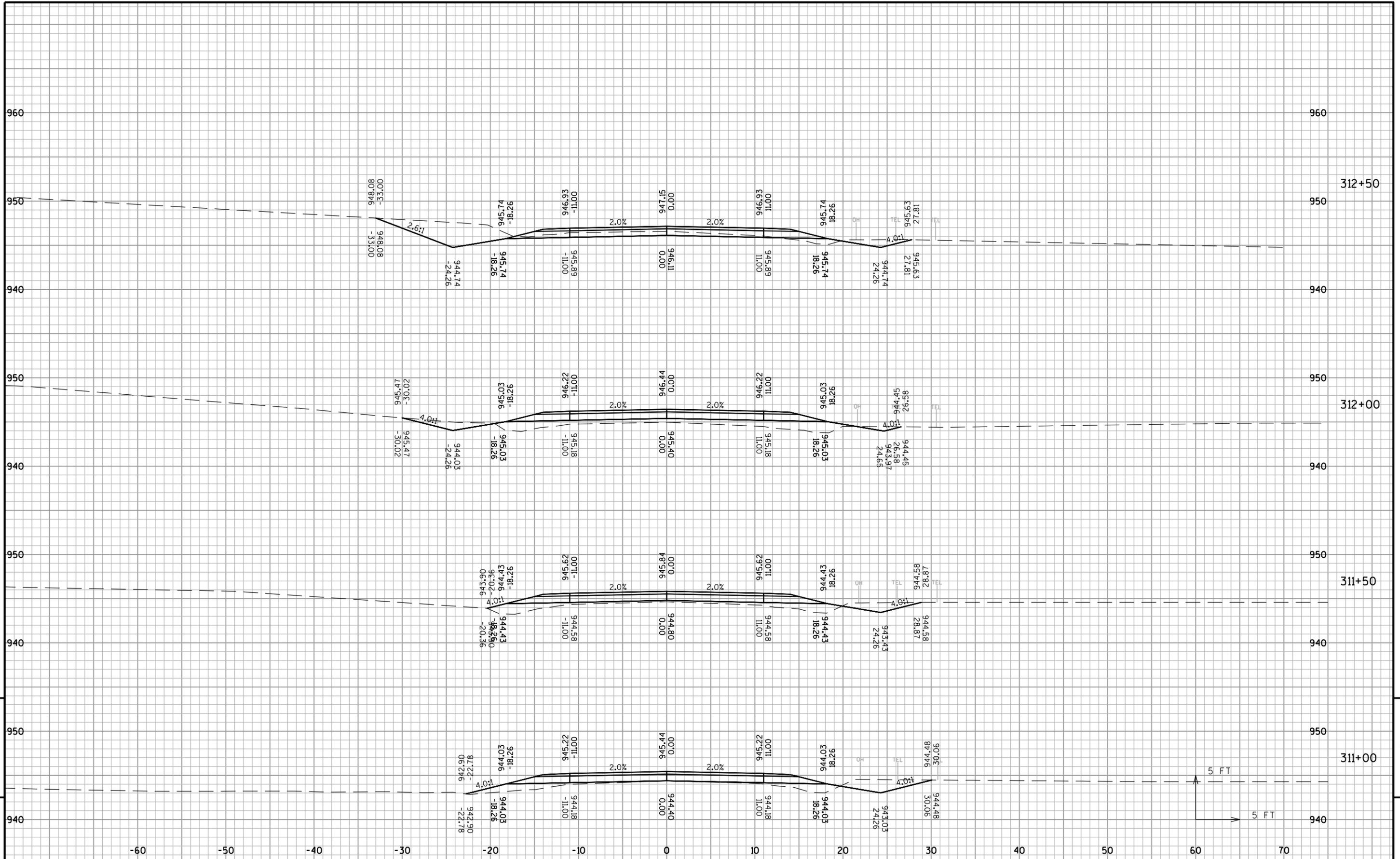
CROSS SECTIONS: CTH V

SHEET

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FILE NAME :

SHEET NAME: CTHV - (11)



PROJECT NO: MARIN 14001

HWY: CTH V

COUNTY: MARINETTE

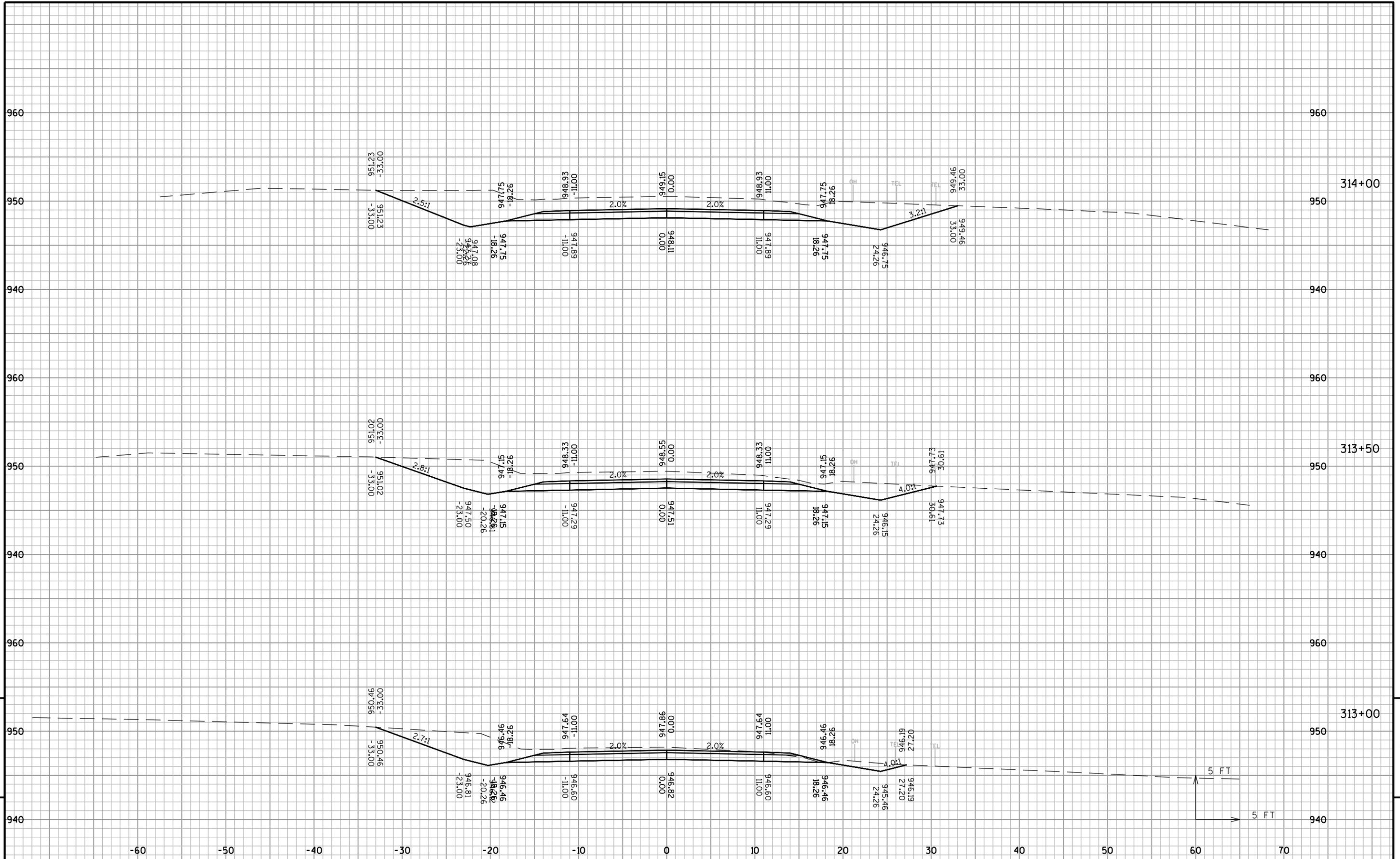
CROSS SECTIONS: CTH V

SHEET

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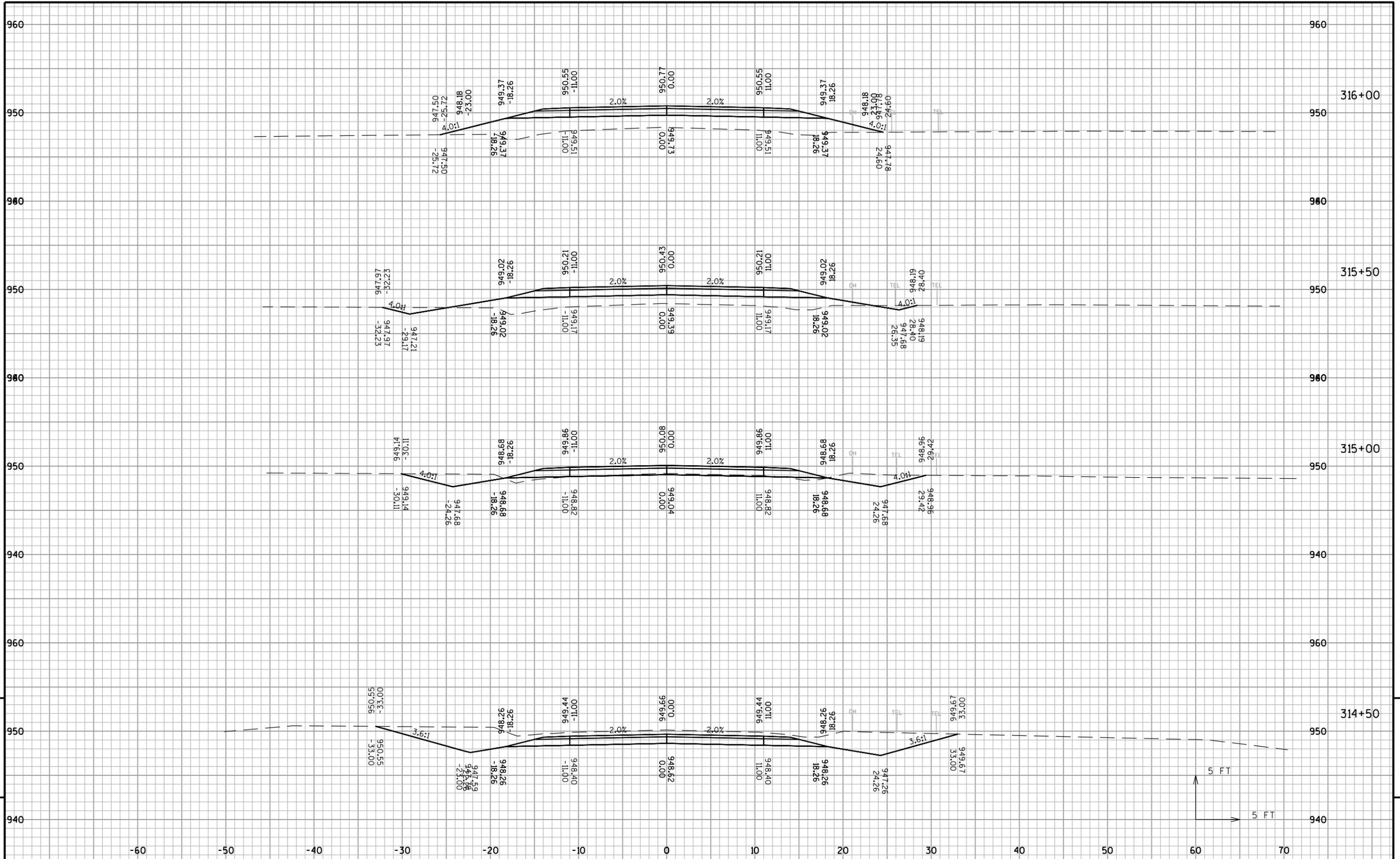
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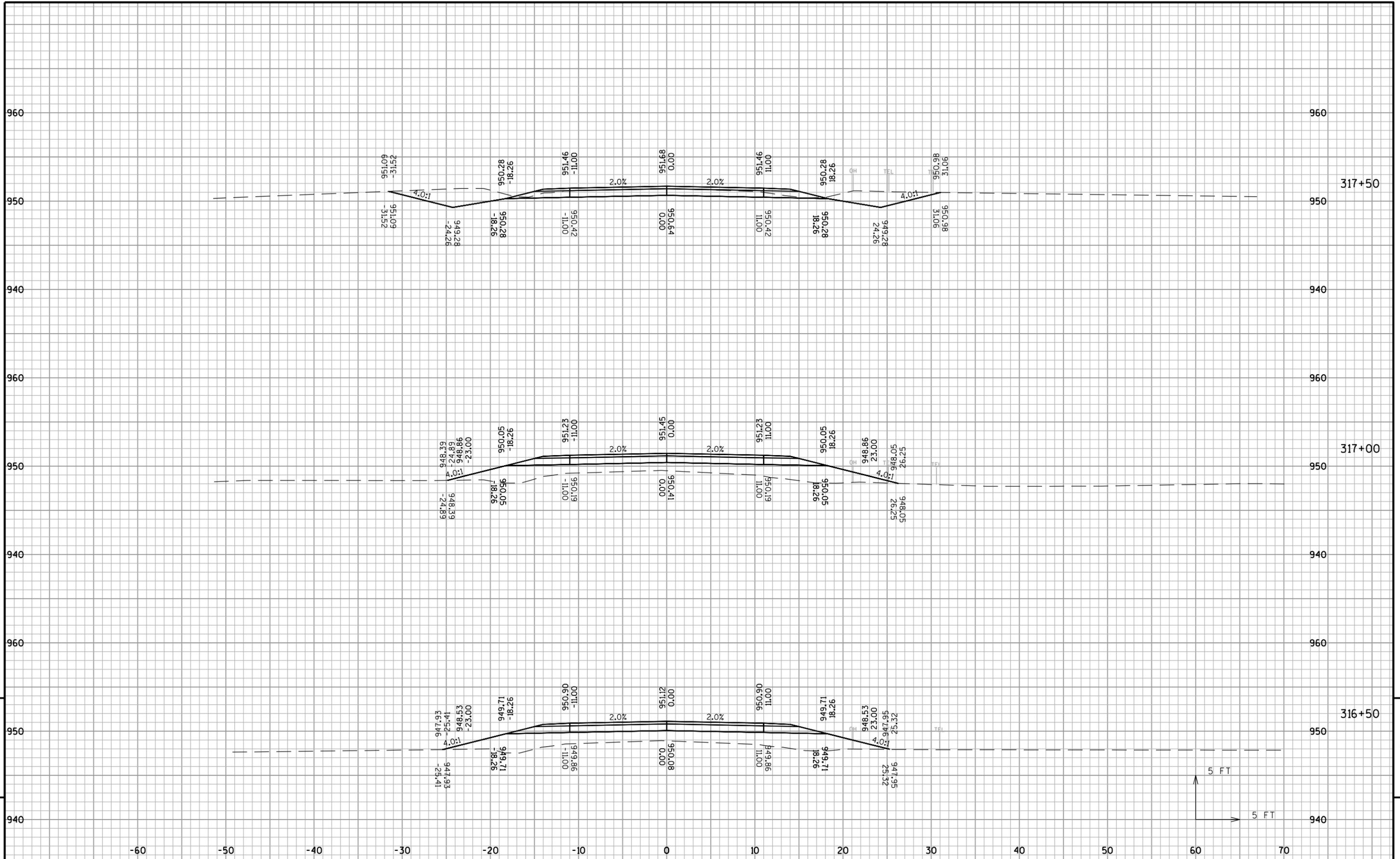
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PROJECT NO: MARIN 14001

HWY: CTH V

COUNTY: MARINETTE

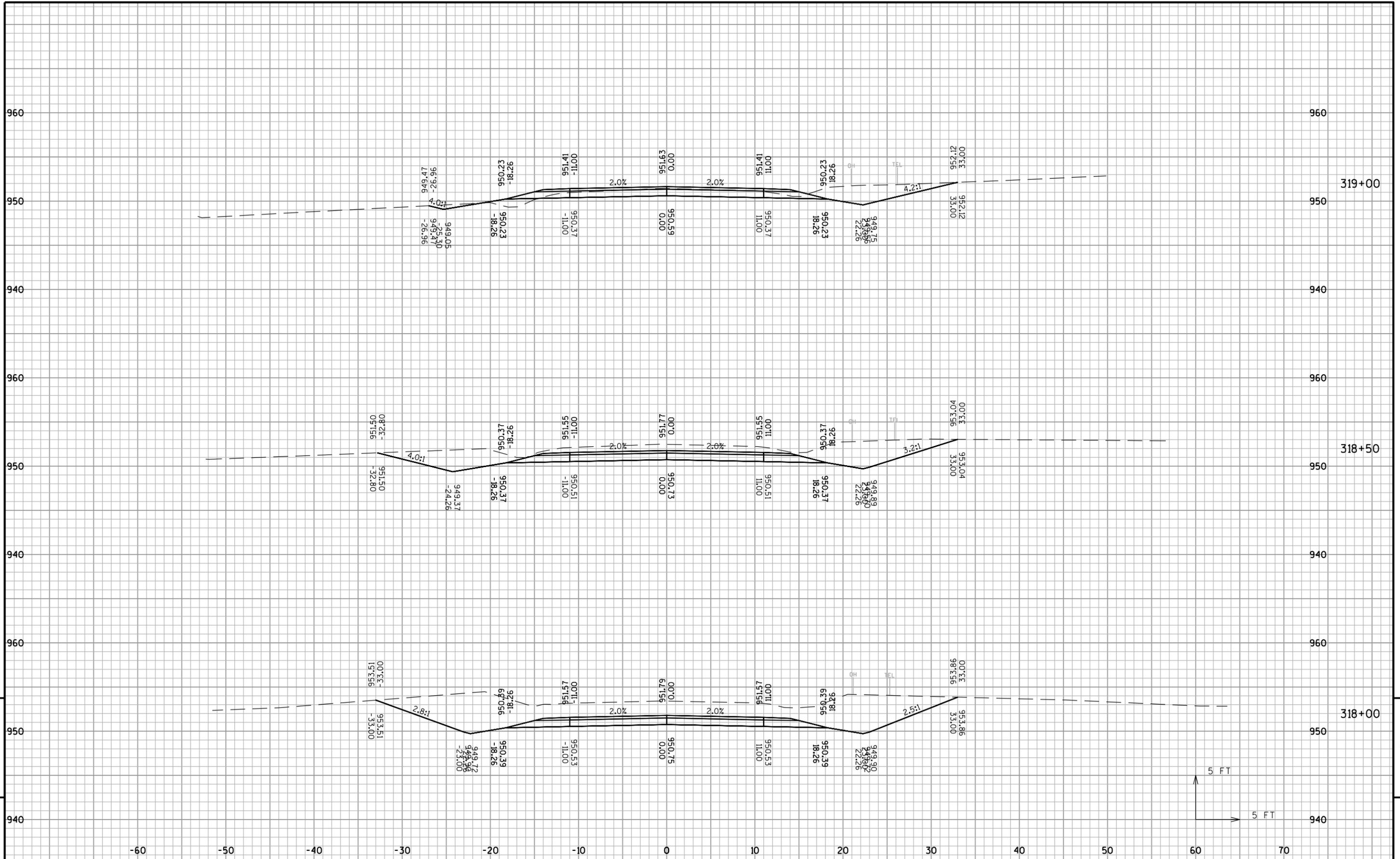
CROSS SECTIONS: CTH V

SHEET

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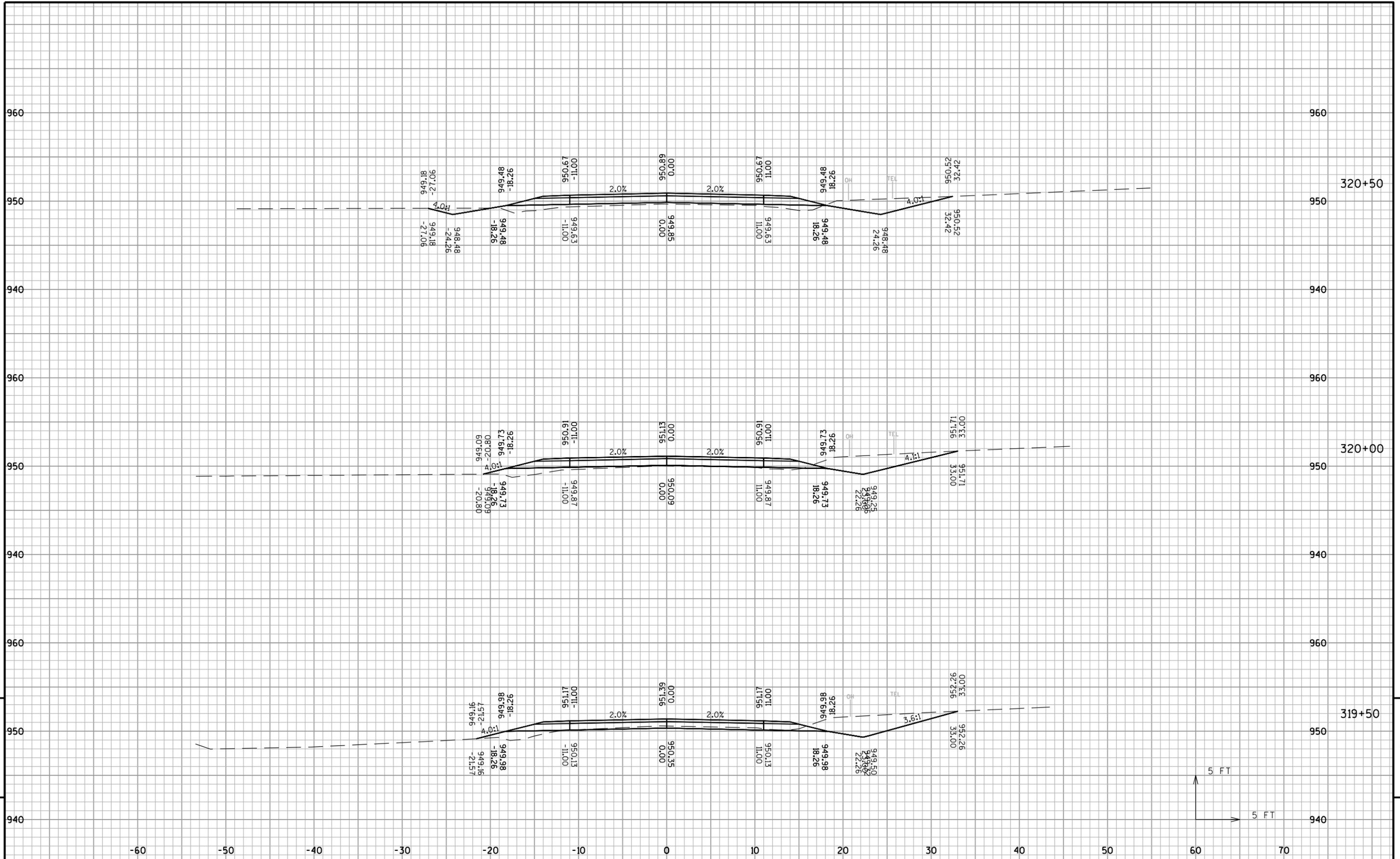
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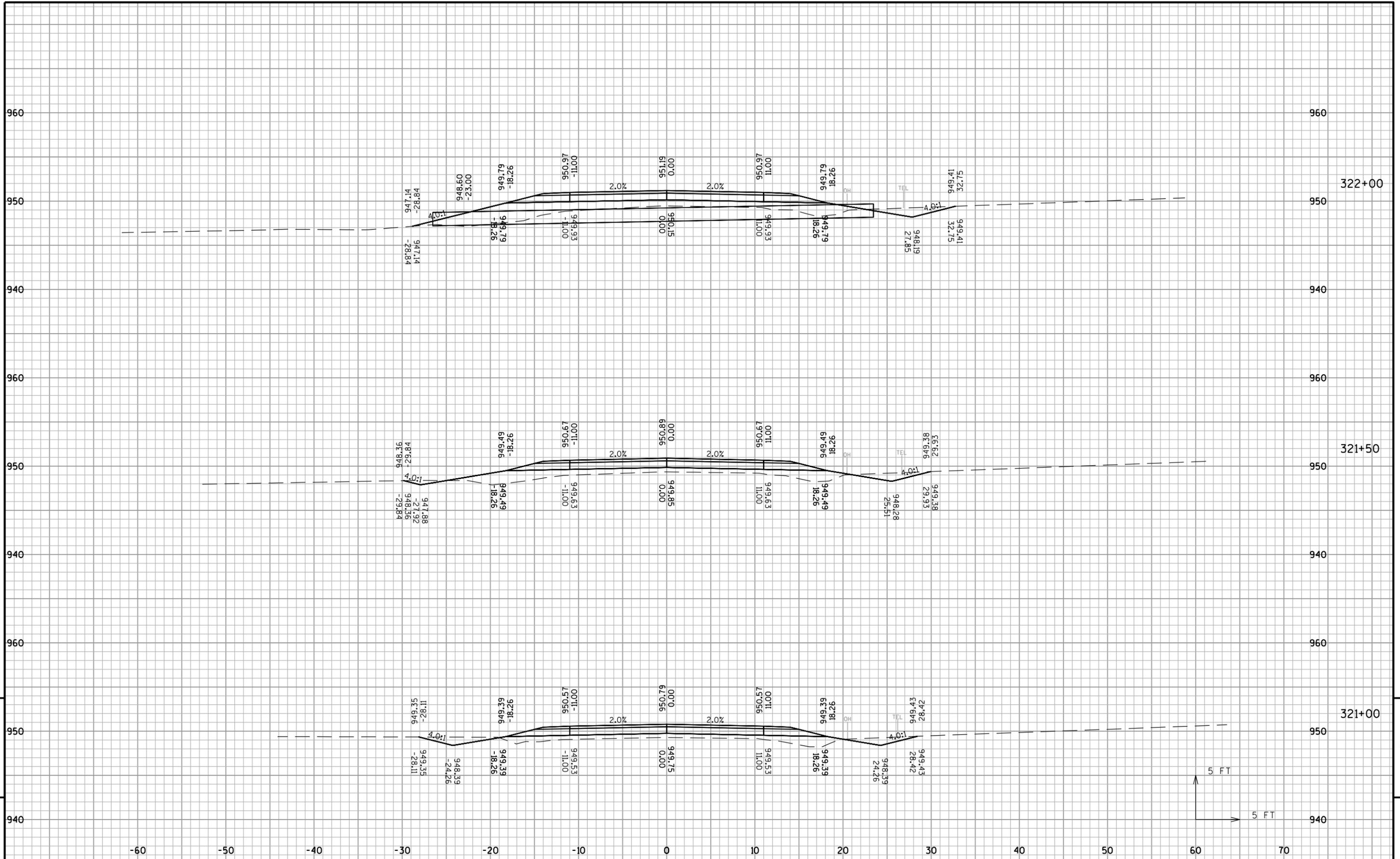
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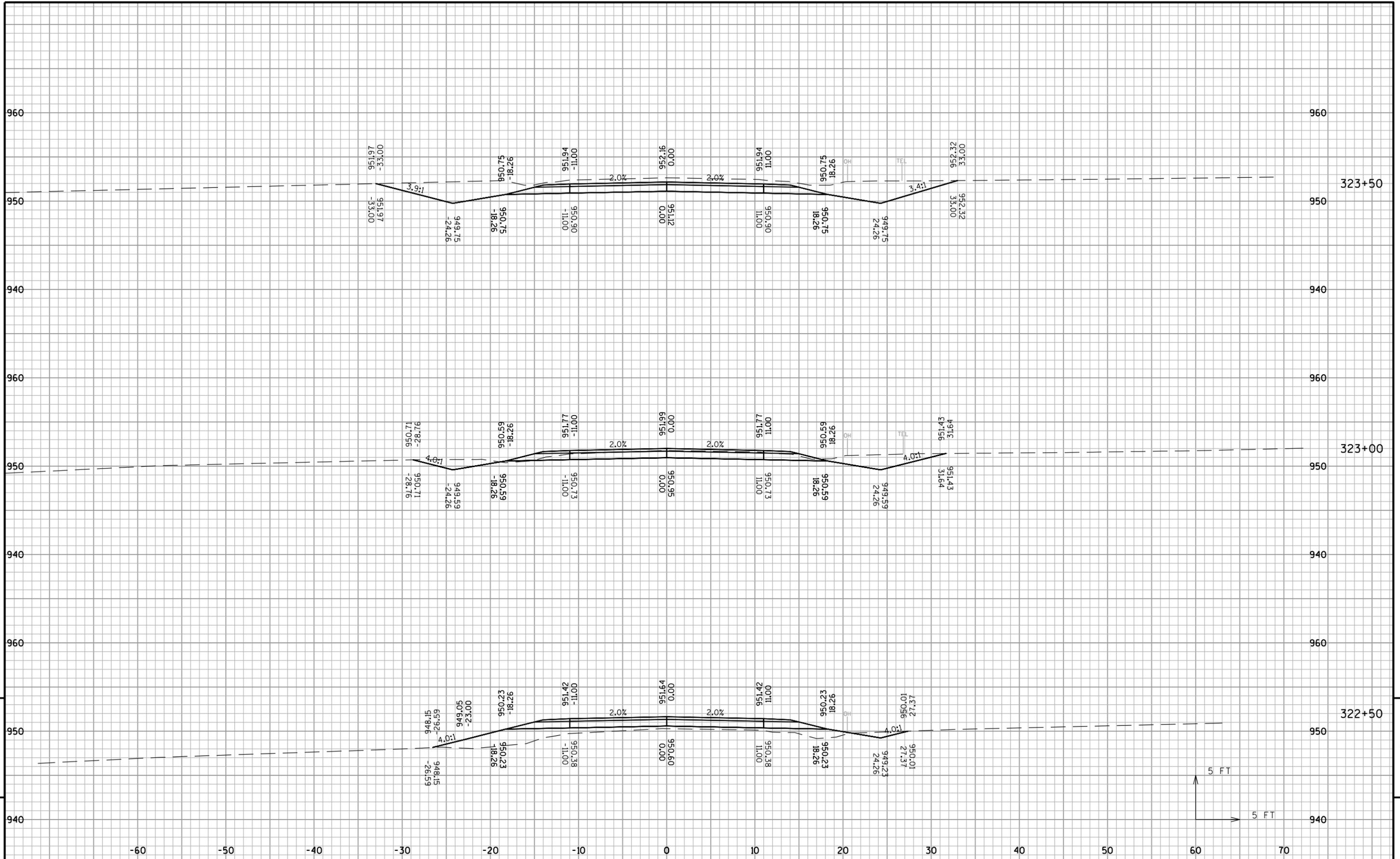
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PROJECT NO: MARIN 14001

HWY: CTH V

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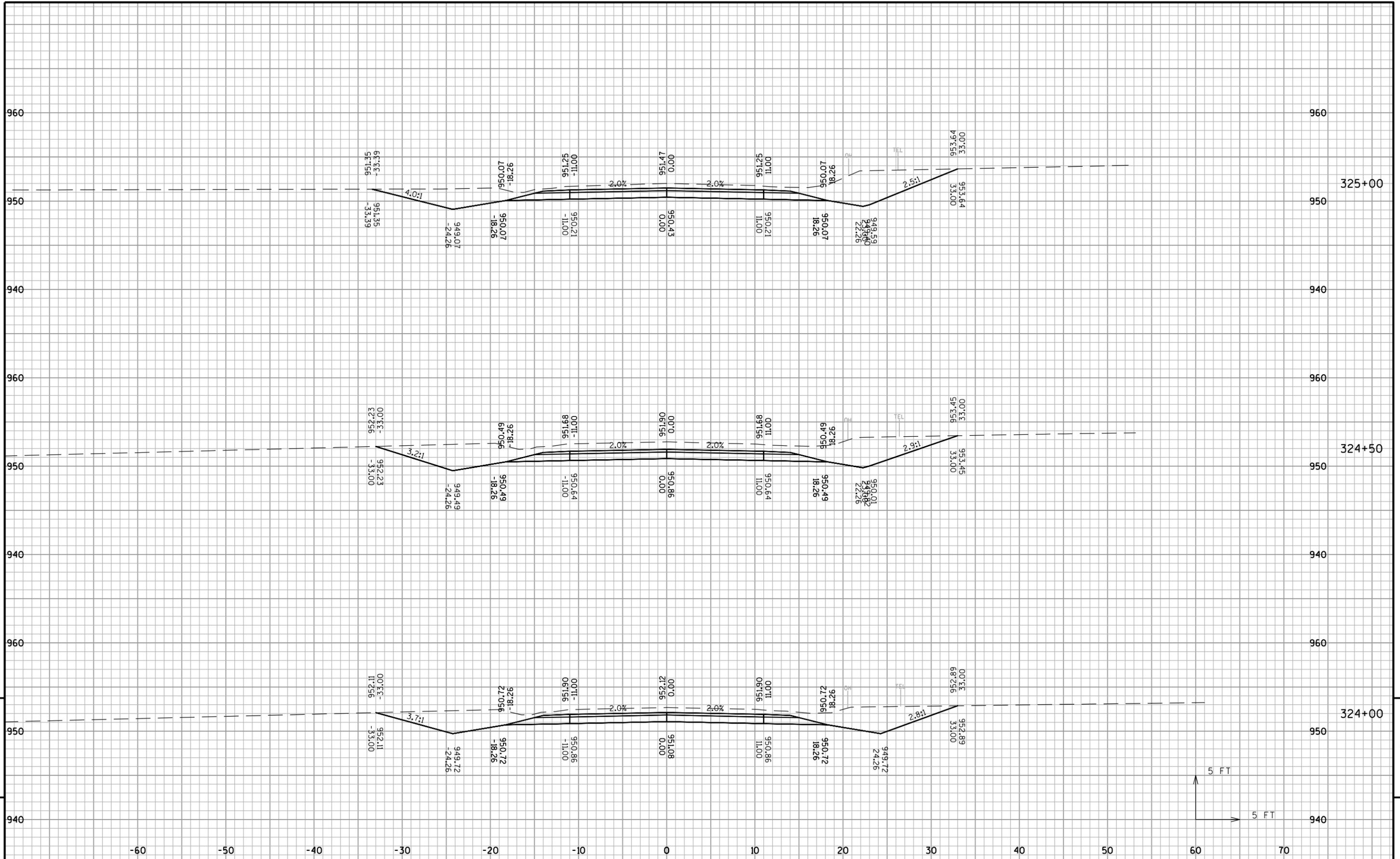
CROSS SECTIONS: CTH V

SHEET

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FILE NAME :

SHEET NAME: CTHV - (19)



PROJECT NO: MARIN 14001

HWY: CTH V

COUNTY: MARINETTE

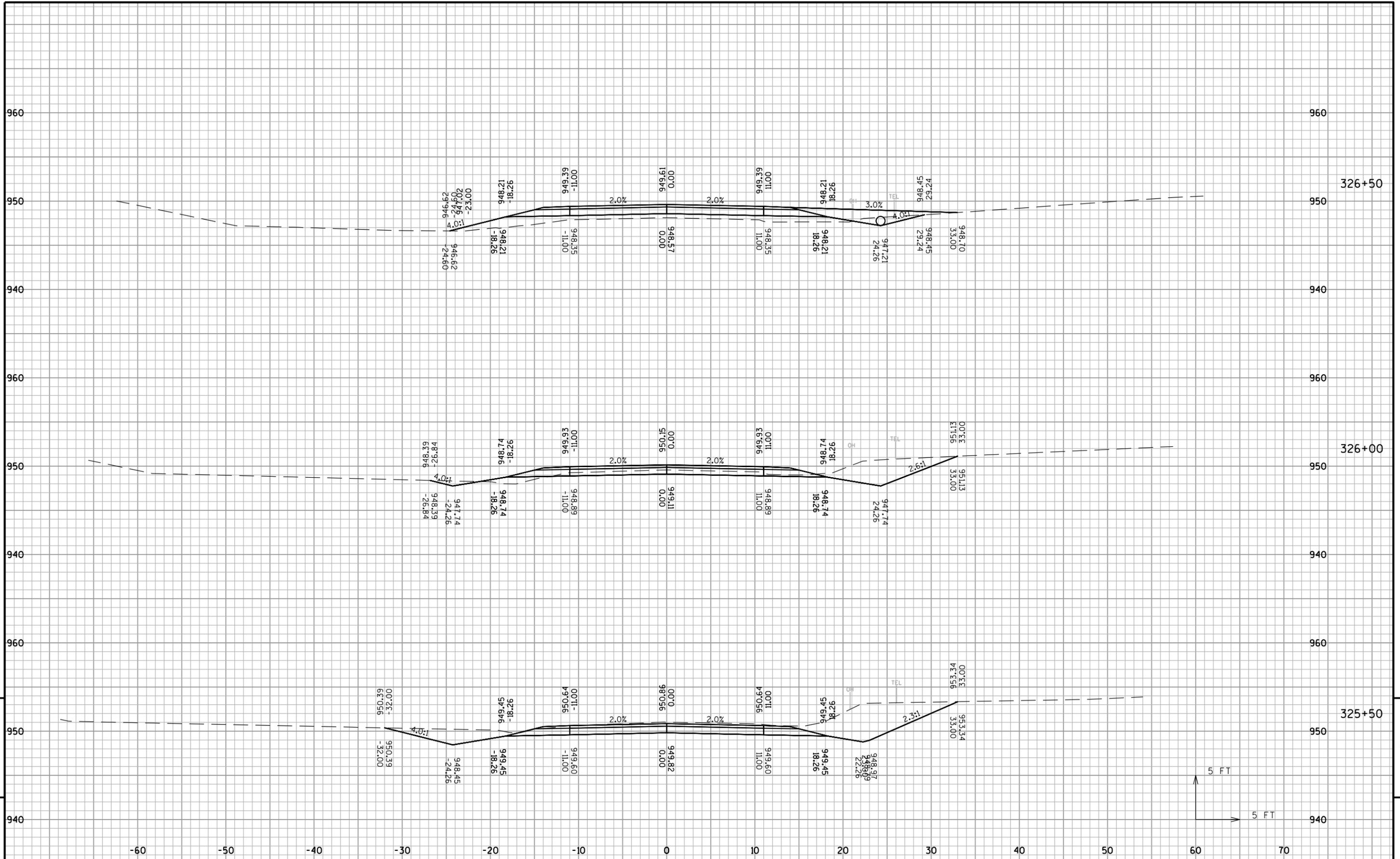
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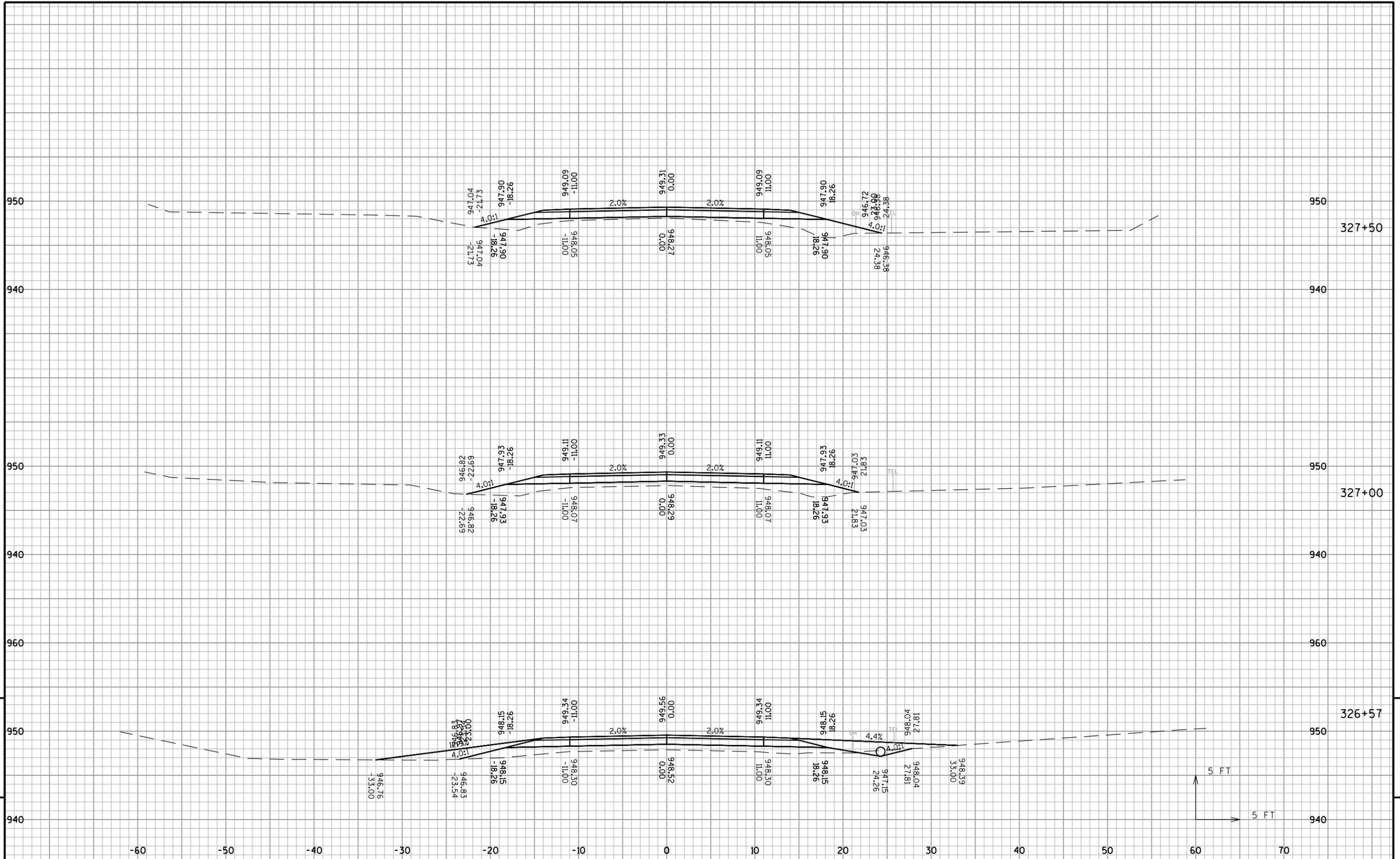
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FILE NAME :

SHEET NAME: CTHV - (20)





PROJECT NO: MARIN 14001

HWY: CTH V

COUNTY: MARINETTE

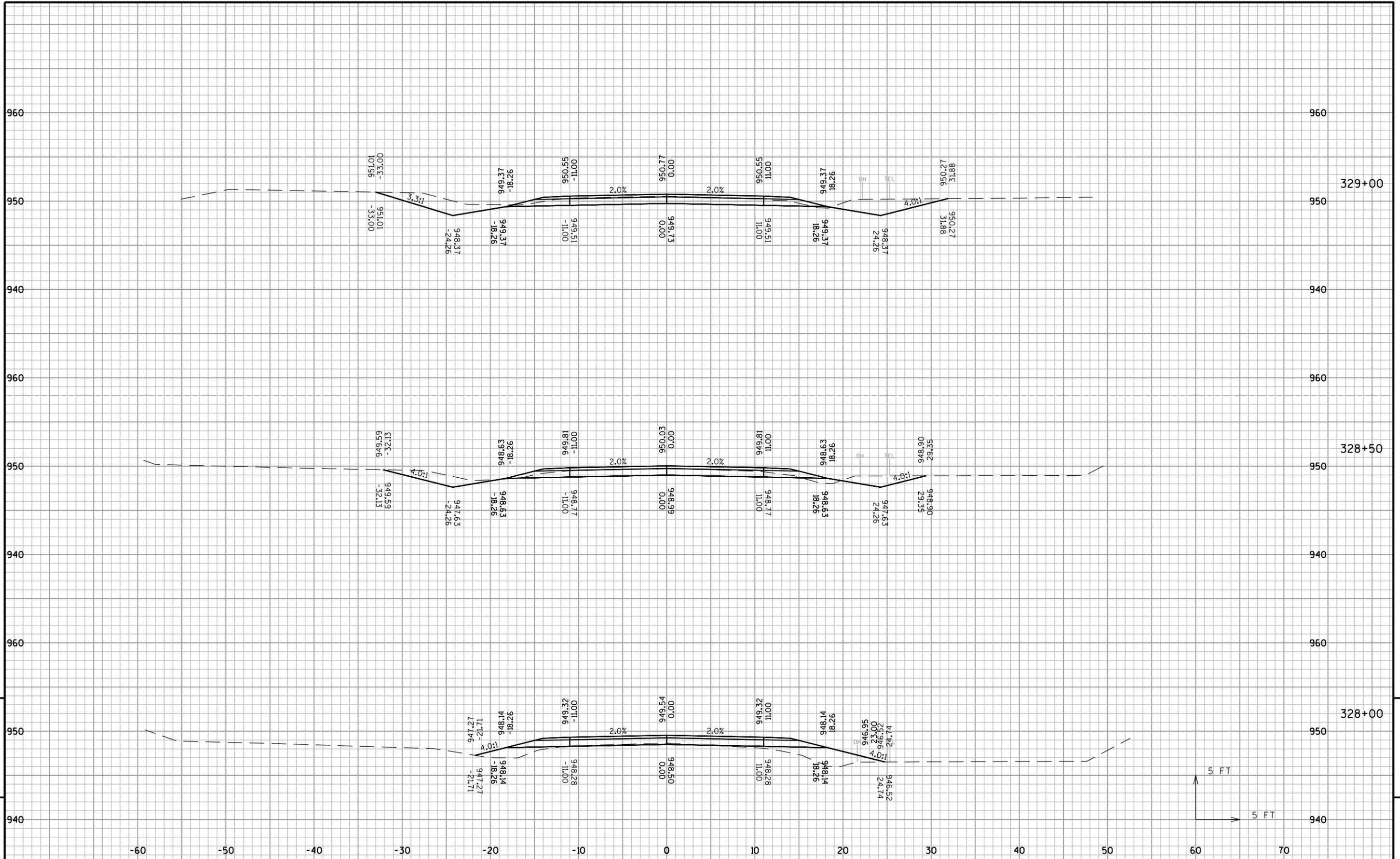
CROSS SECTIONS: CTH V

SHEET

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FILE NAME :

SHEET NAME: CTHV - (22)



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PROJECT NO: MARIN 14001

HWY: CTH V

COUNTY: MARINETTE

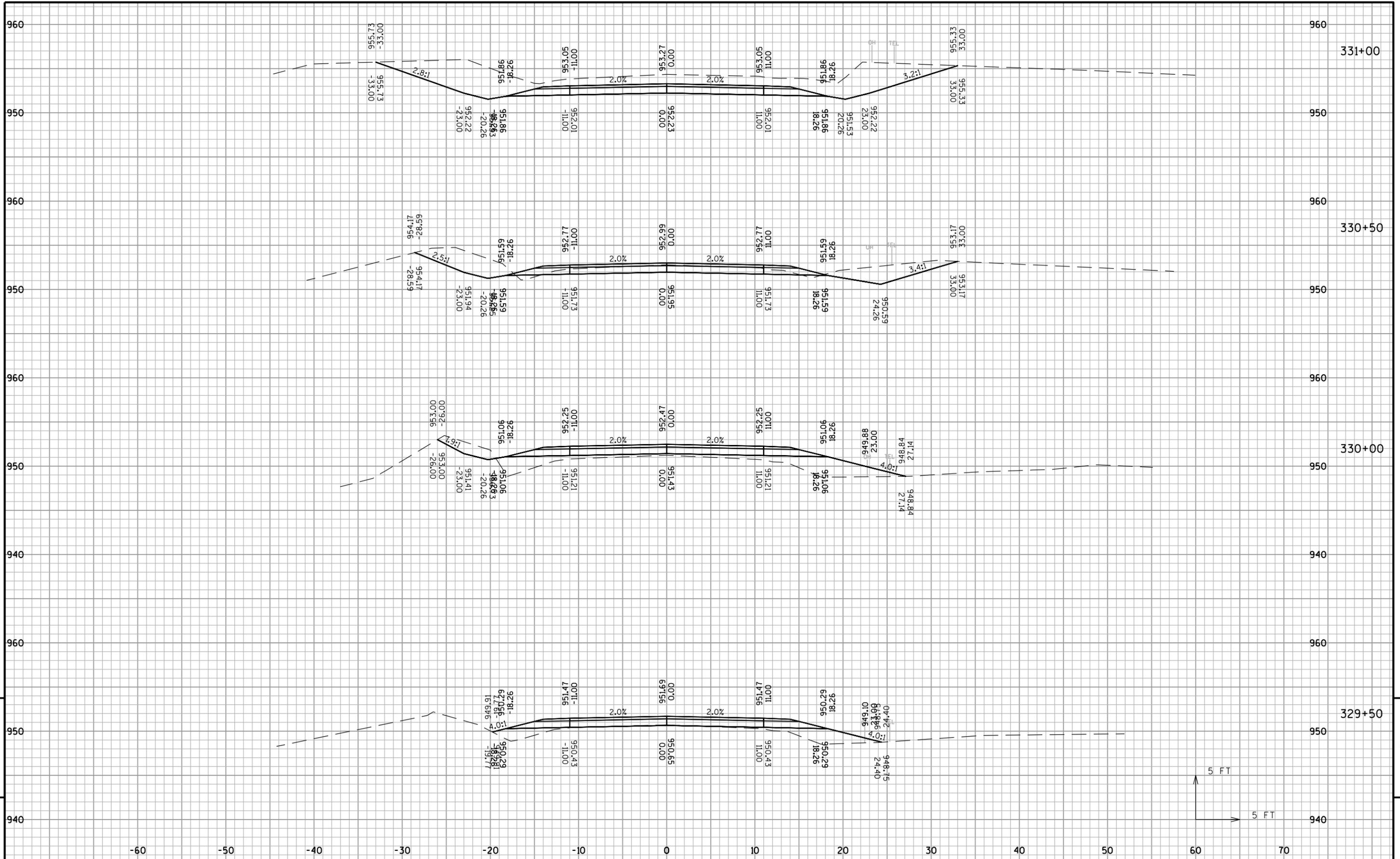
CROSS SECTIONS: CTH V

SHEET

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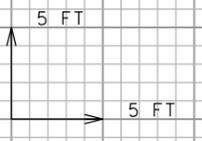
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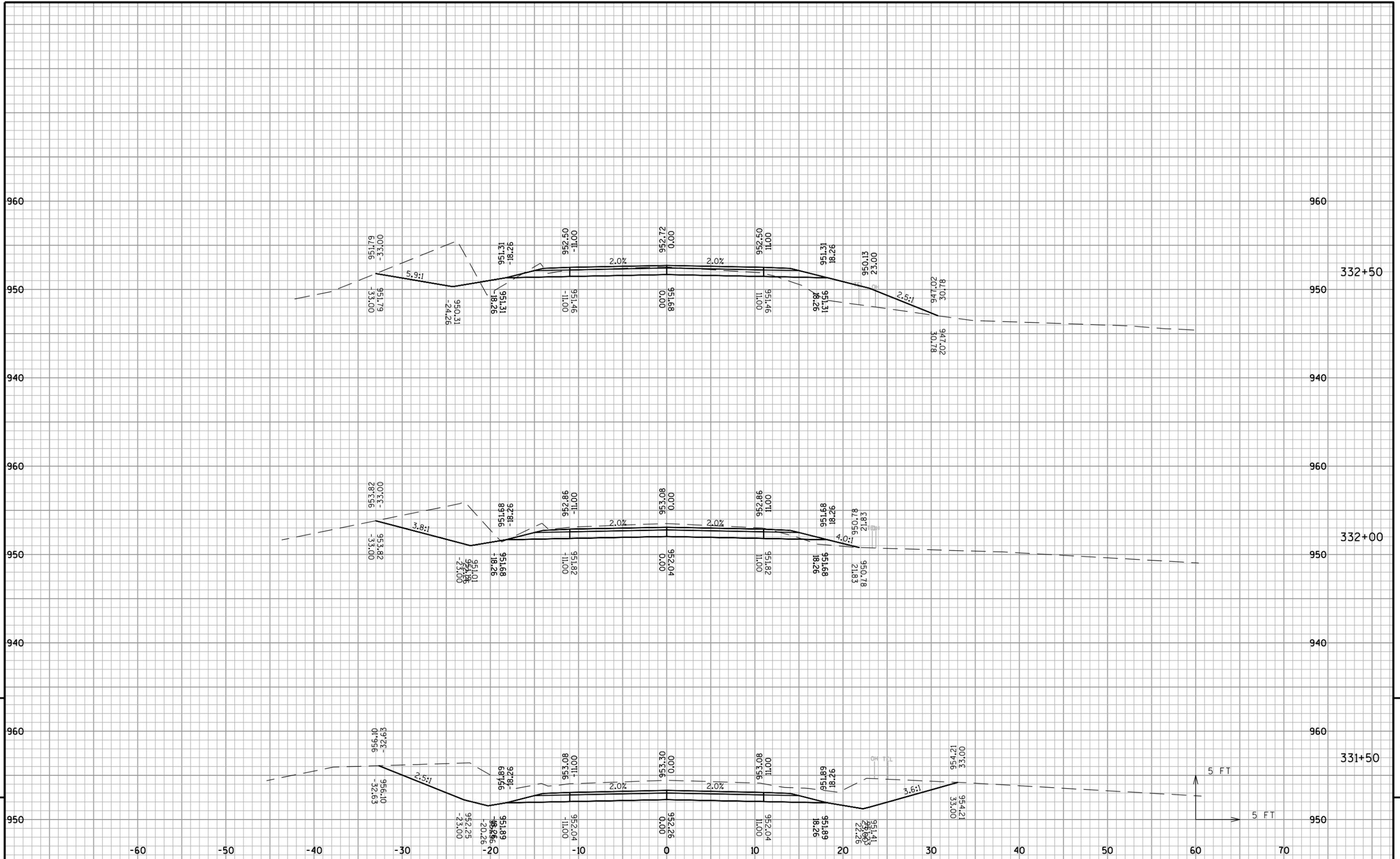
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PROJECT NO: MARIN 14001

HWY: CTH V

COUNTY: MARINETTE

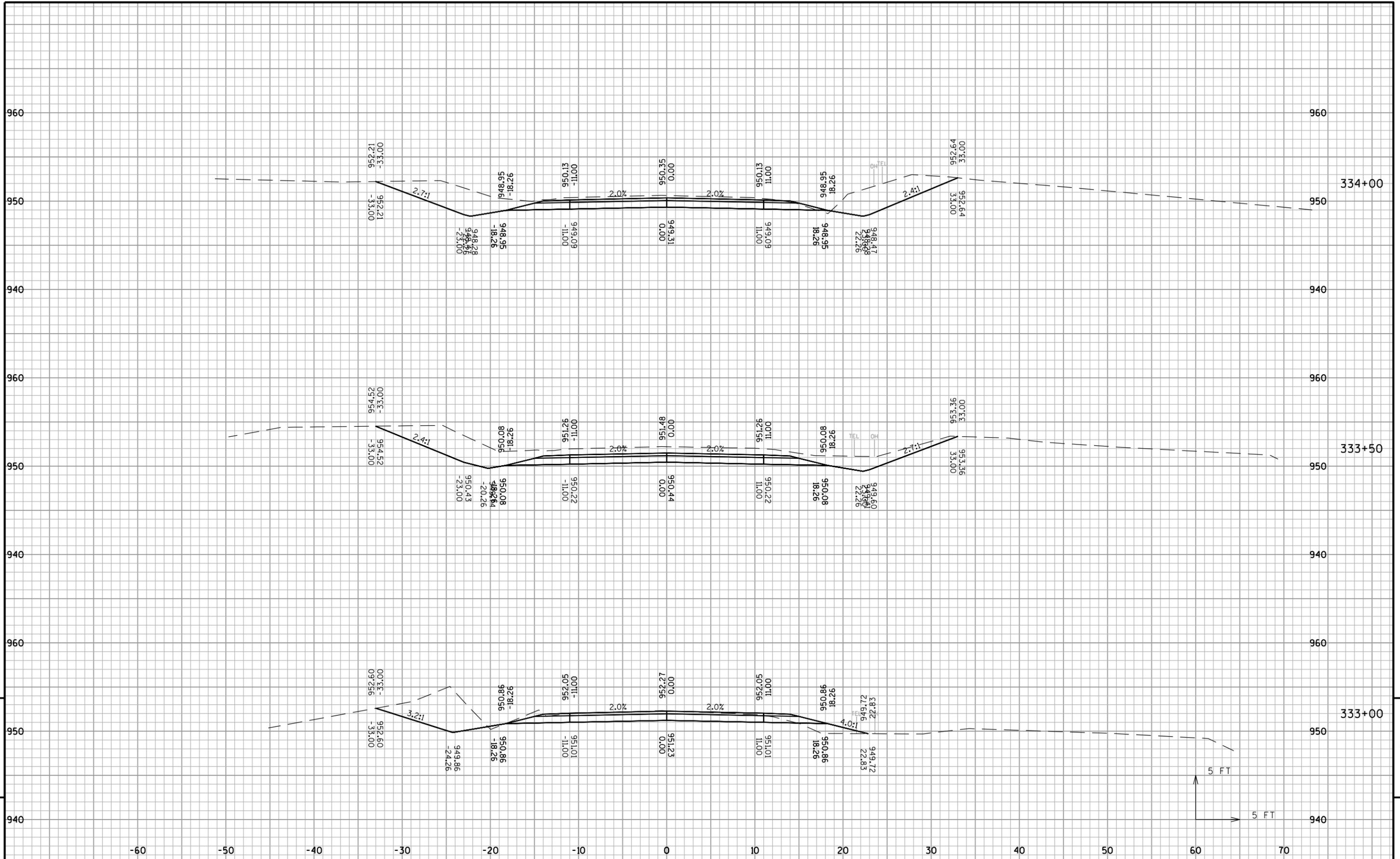
CROSS SECTIONS: CTH V

SHEET

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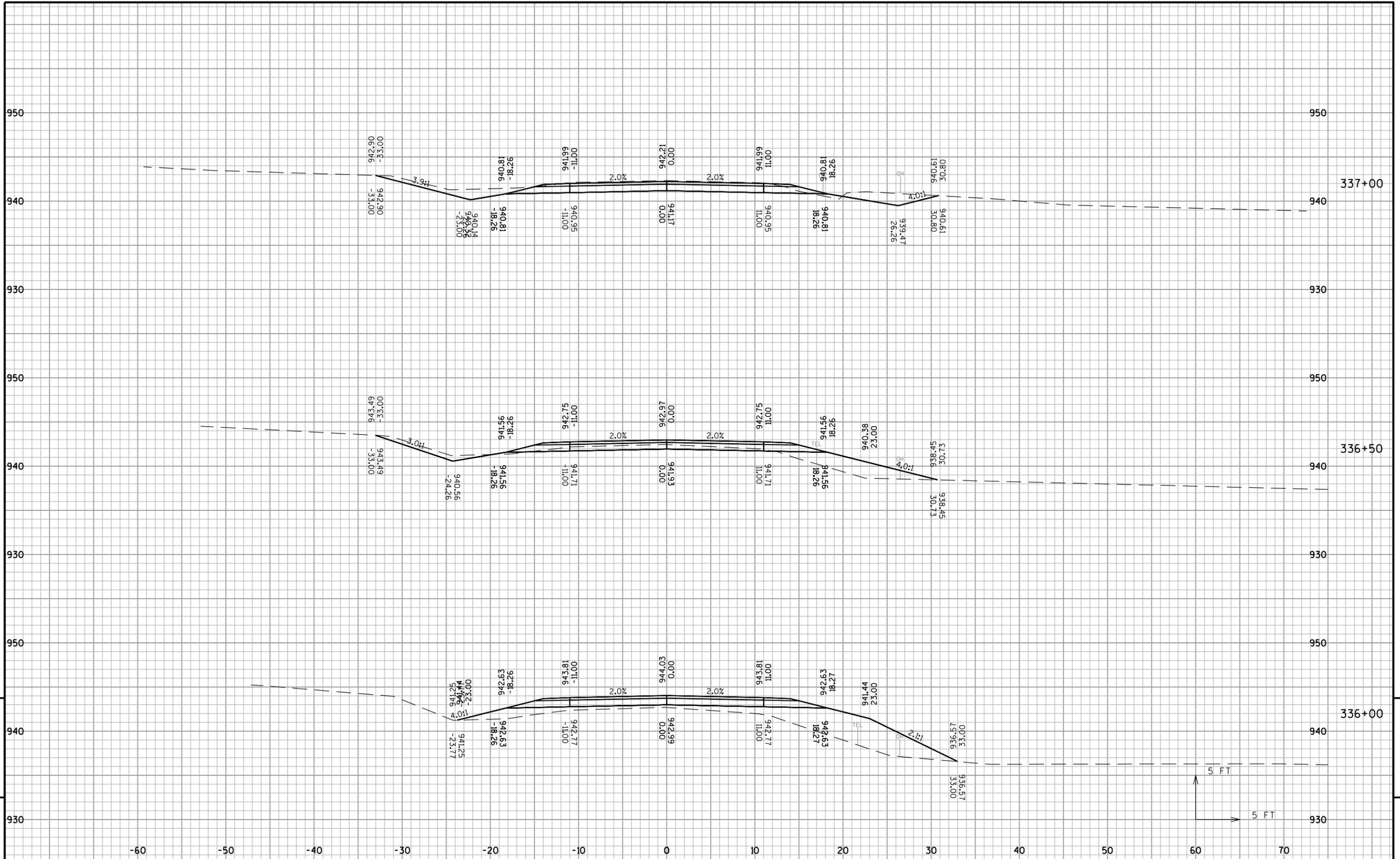
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PROJECT NO: MARIN 14001

HWY: CTH V

COUNTY: MARINETTE

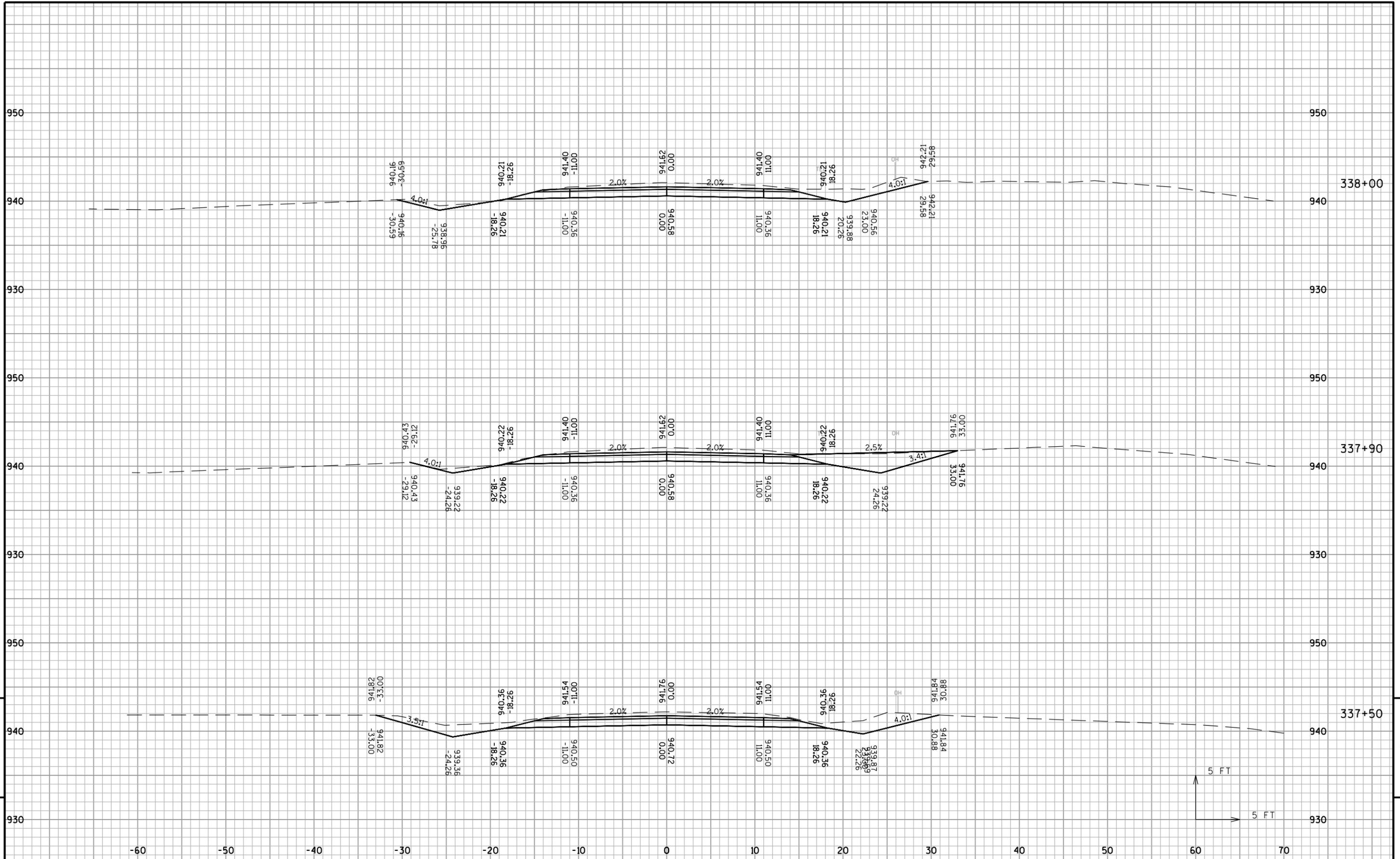
CROSS SECTIONS: CTH V

SHEET

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SHEET NAME: CTHV - (28)



PROJECT NO: MARIN 14001

HWY: CTH V

COUNTY: MARINETTE

CROSS SECTIONS: CTH V

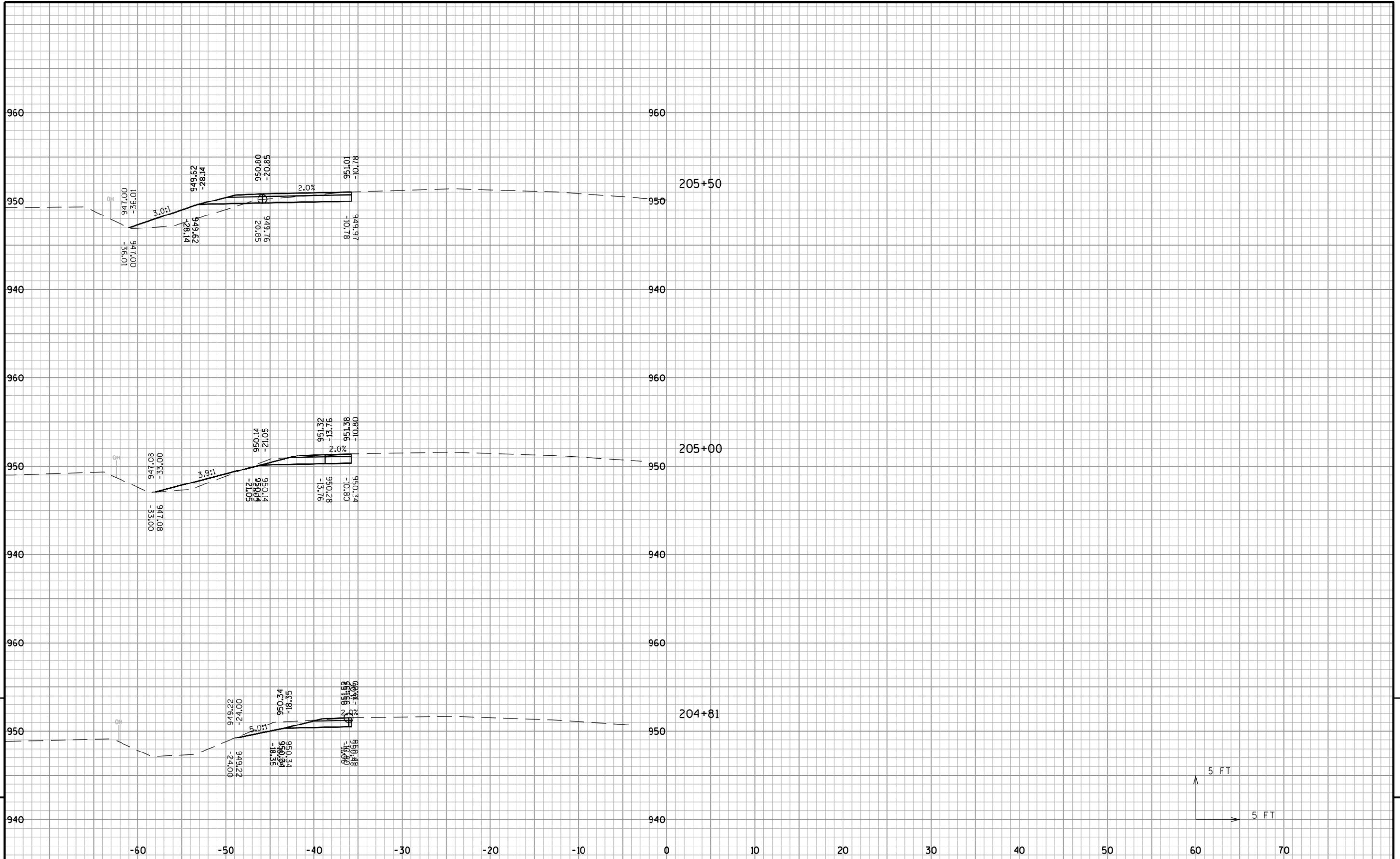
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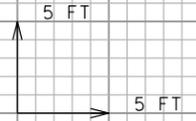
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PROJECT NO: MARIN 14001

HWY: CTH V

COUNTY: MARINETTE

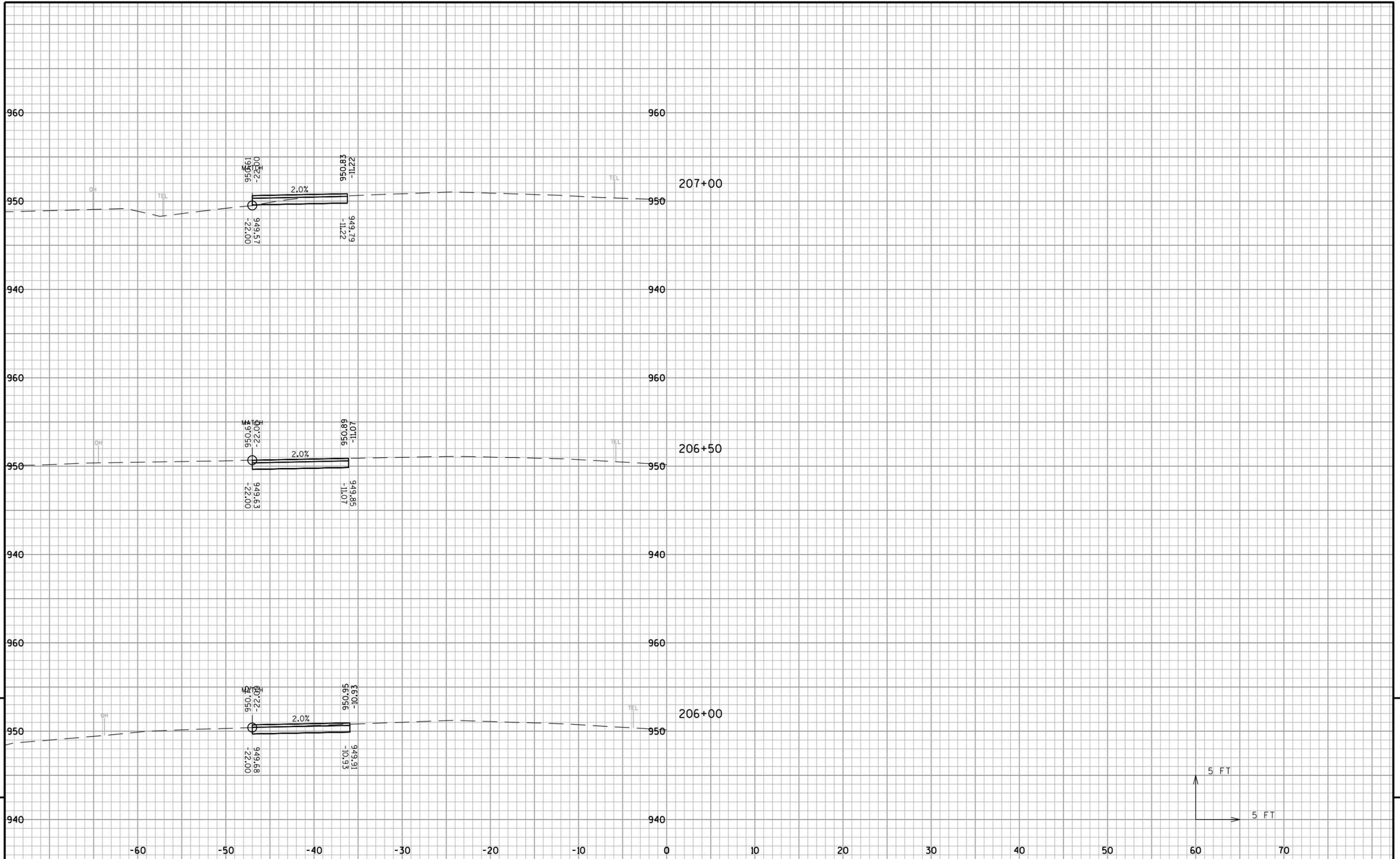
CROSS SECTIONS: CTH C

SHEET

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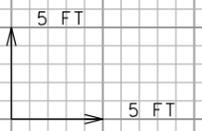
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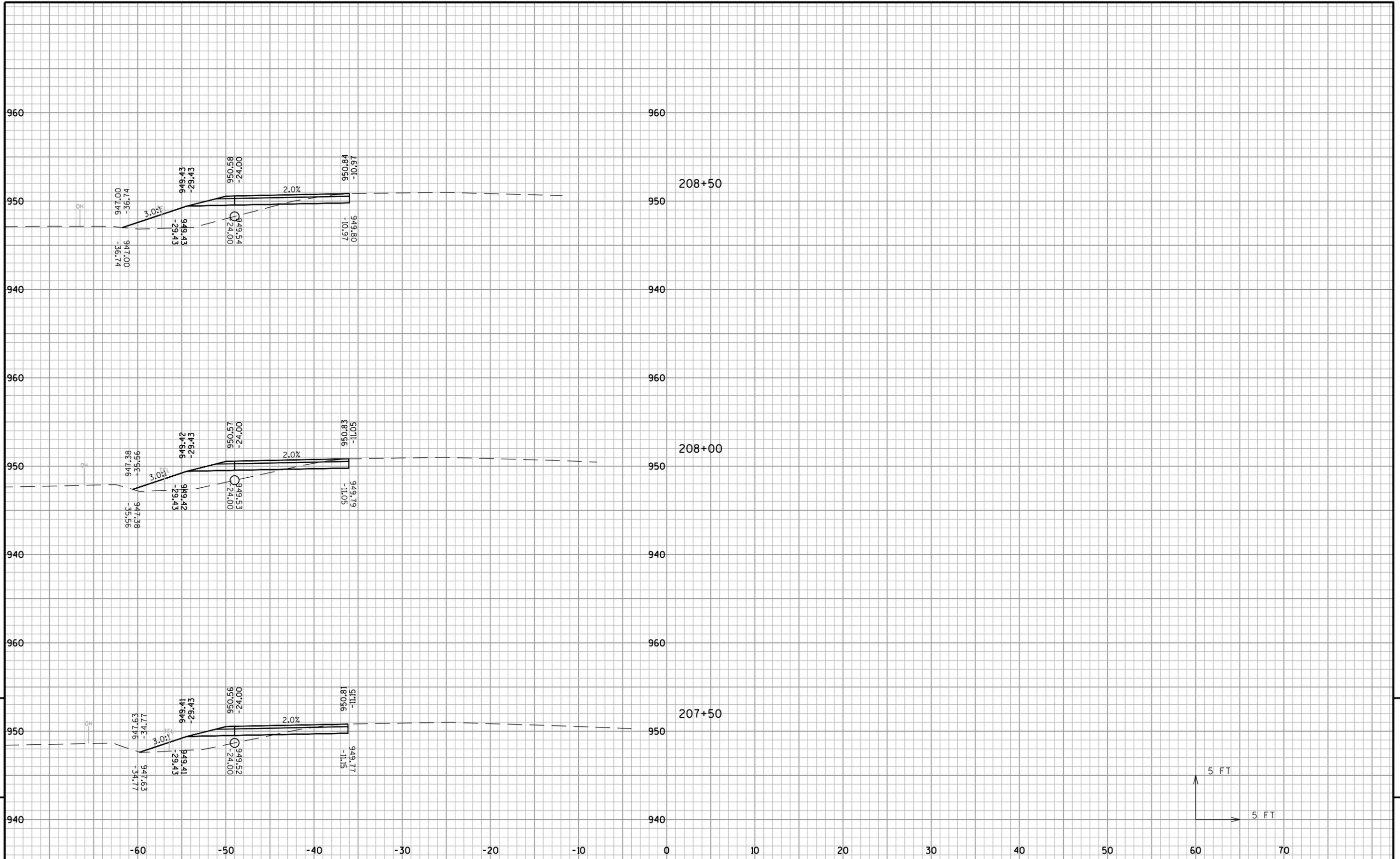
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PROJECT NO: MARIN 14001

HWY: CTH V

COUNTY: MARINETTE

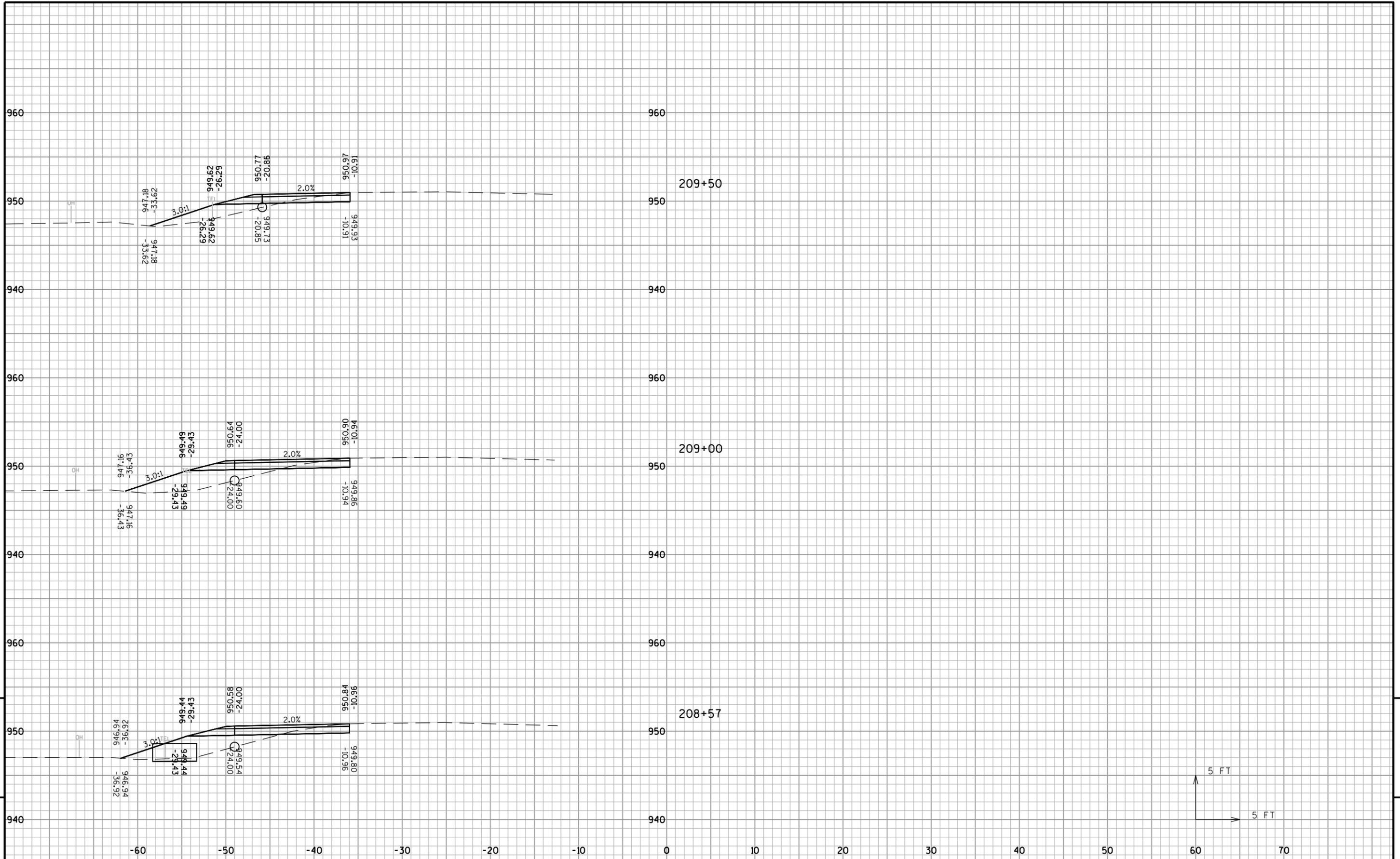
CROSS SECTIONS: CTH C

SHEET

E

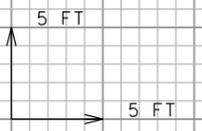
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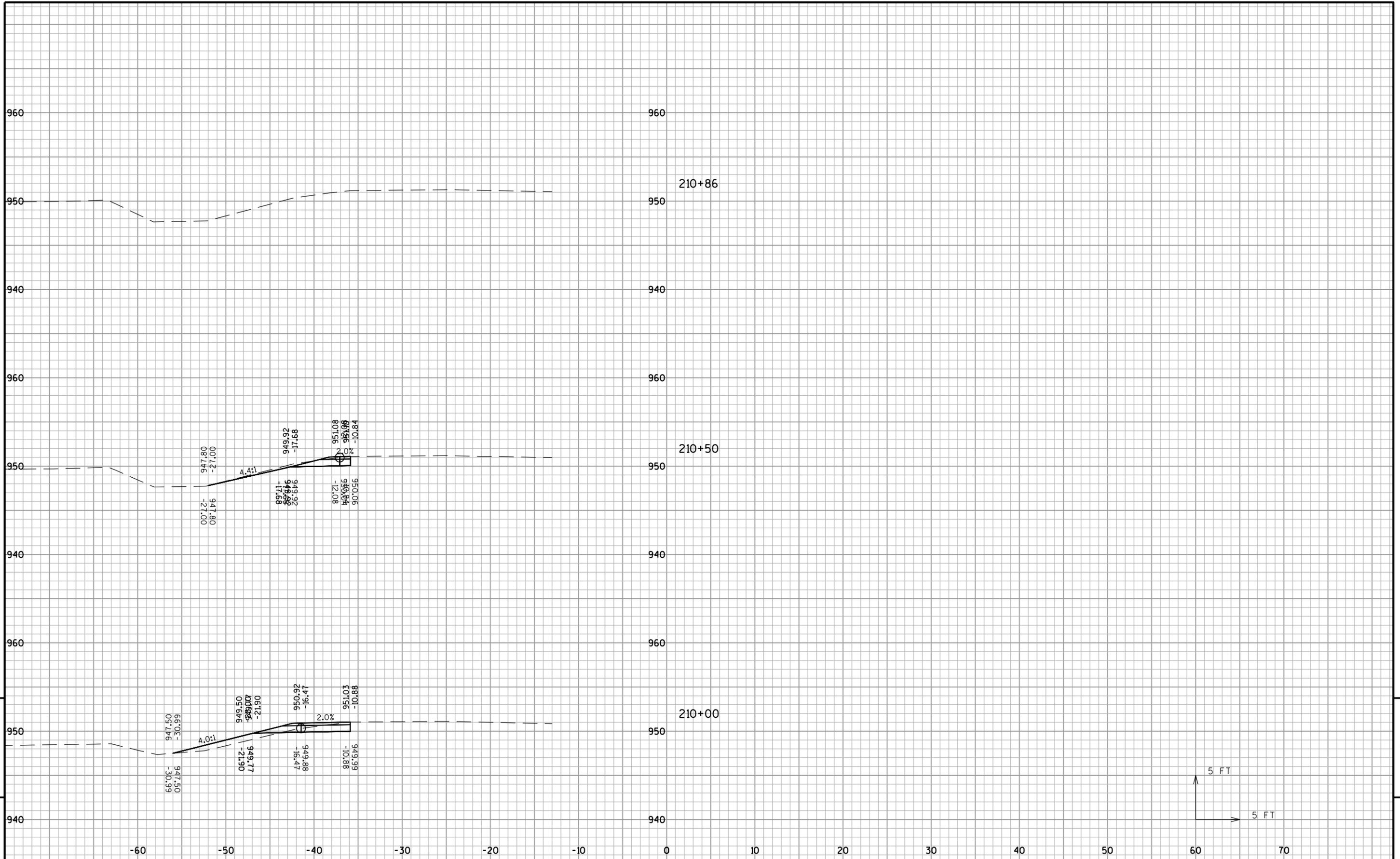
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