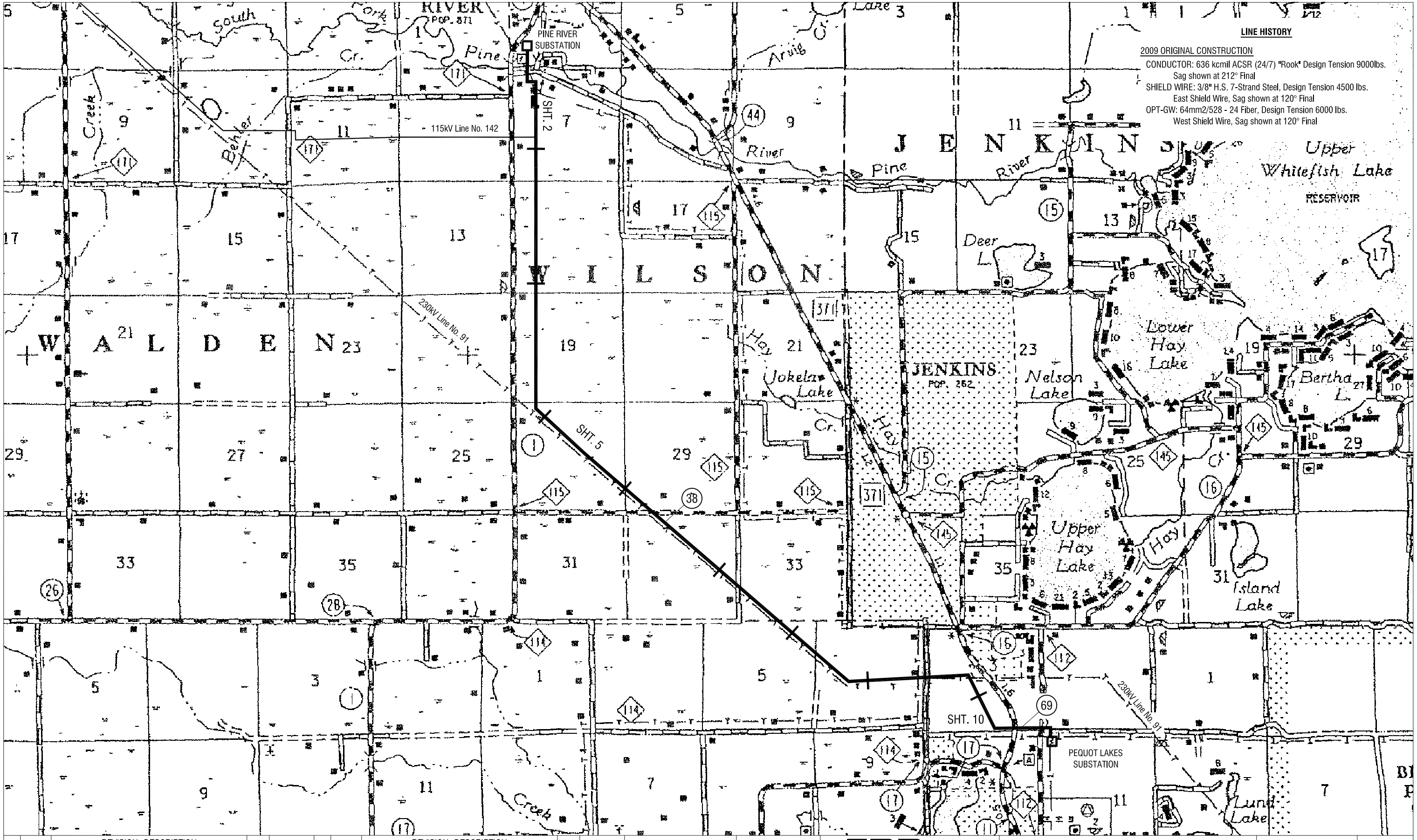

NO.	DATE	REVISION DESCRIPTION	BY	APPROVED	NO.	DATE	REVISION DESCRIPTION	BY	APPROVED
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DRAWN BY: A.R.H
SCALE: NONE
CHECKED: .
APPROVED: .
DATE 12-11-08

minnesota power

115 KV PINE RIVER - PEQUOT LAKES LINE NO. 147

Sheet 1 OF 10 | REV. 0

MD+32650

FILE: P\projects\CADD\private\files2\XSMN\147LINE\MD+32650\MD+32650__01.dwg

CADD DRAWING – FOR REPRODUCTION ONLY

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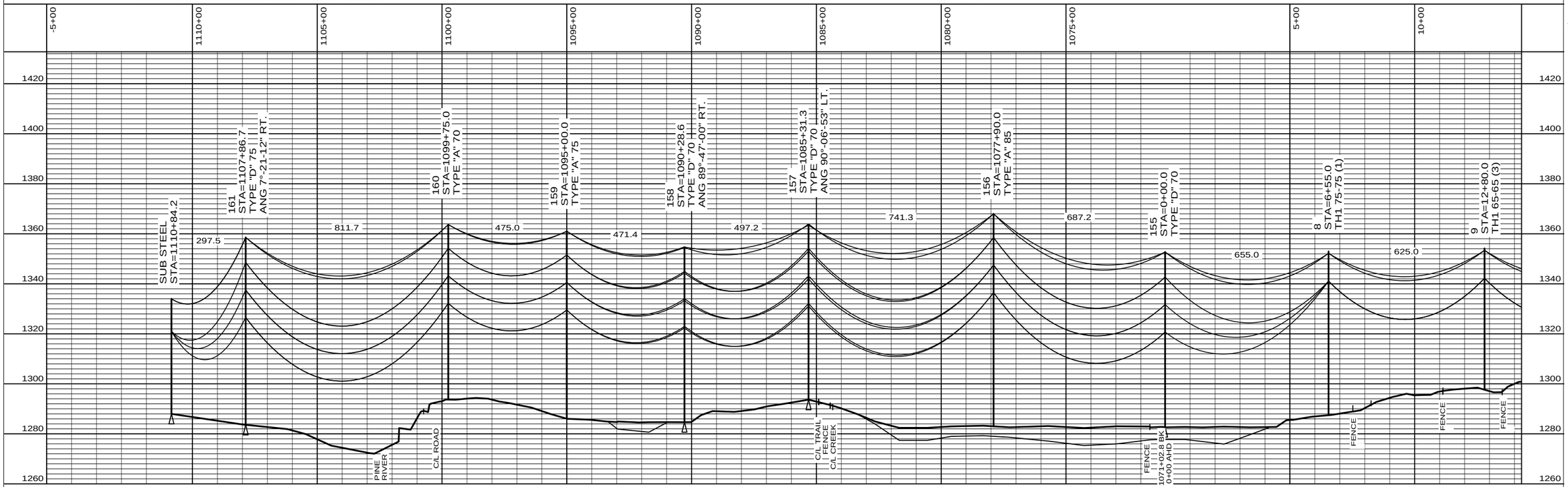

NO.	DATE	REVISION DESCRIPTION	BY	APPROVED

NO.	DATE	REVISION DESCRIPTION	BY	APPROVED

DRAWN BY: A.R.H.	CHECKED:	MINNESOTA POWER	115 KV PINE RIVER - PEQUOT LAKES LINE NO. 147
SCALE: HORZ. 1" = 400' VERT. 1" = 40'	APPROVED:		MD + 32650
	DATE: 12/11/08		SHEET 2 OF 10 REV. 0

FILE:

MICROFILMED	CODE
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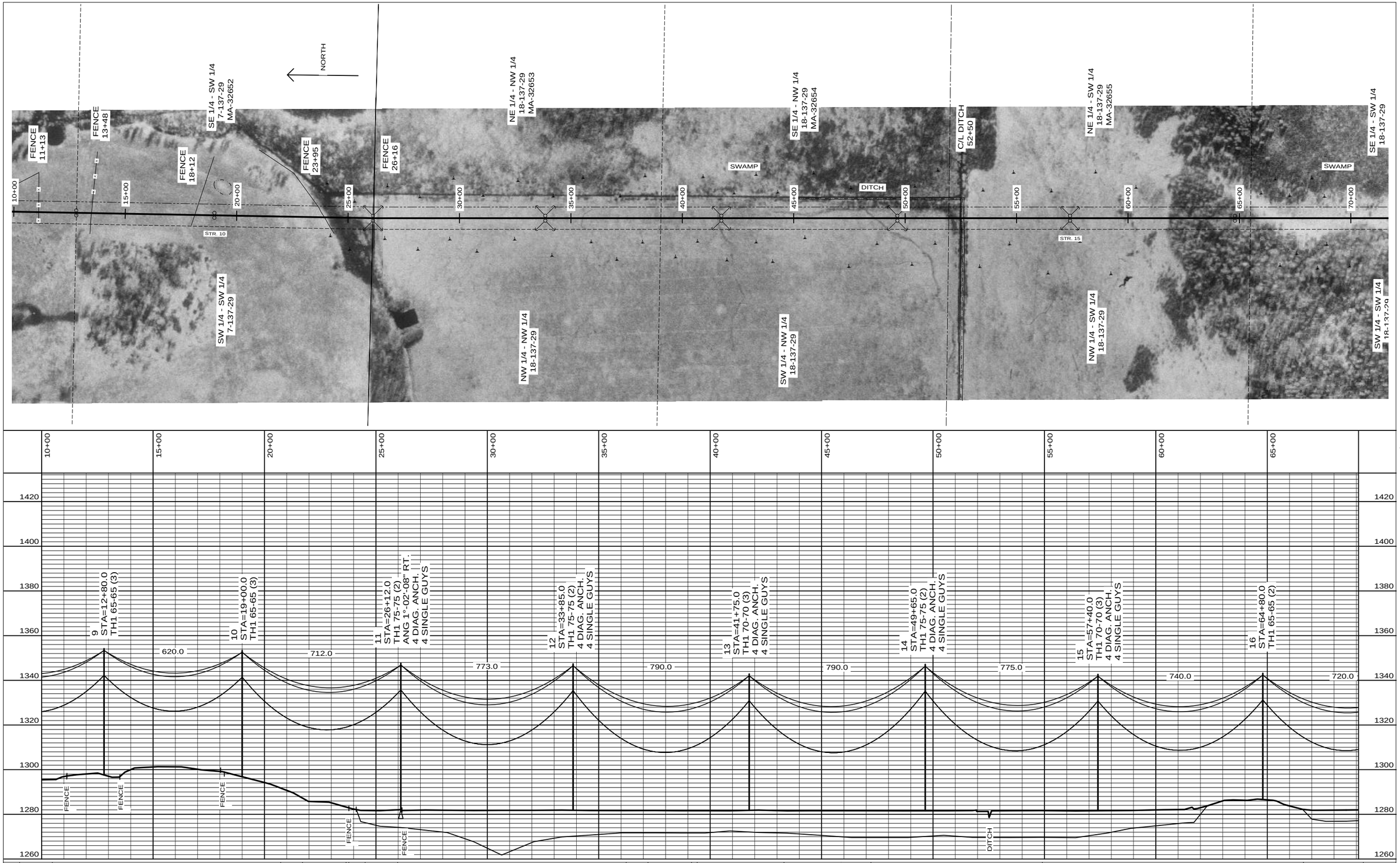

NO.	DATE	REVISION DESCRIPTION	BY	APPROVED

NO.	DATE	REVISION DESCRIPTION	BY	APPROVED

DRAWN BY: A.R.H.
CHECKED:
SCALE: HORZ. 1" = 400'
VERT. 1" = 40'
APPROVED:
DATE: 12/11/08

MINNESOTA POWER

115 KV PINE RIVER - PEQUOT LAKES LINE NO. 147

SHEET 3 OF 10 | REV. 0

MD + 32650

FILE:

MICROFILMED / /

CODE

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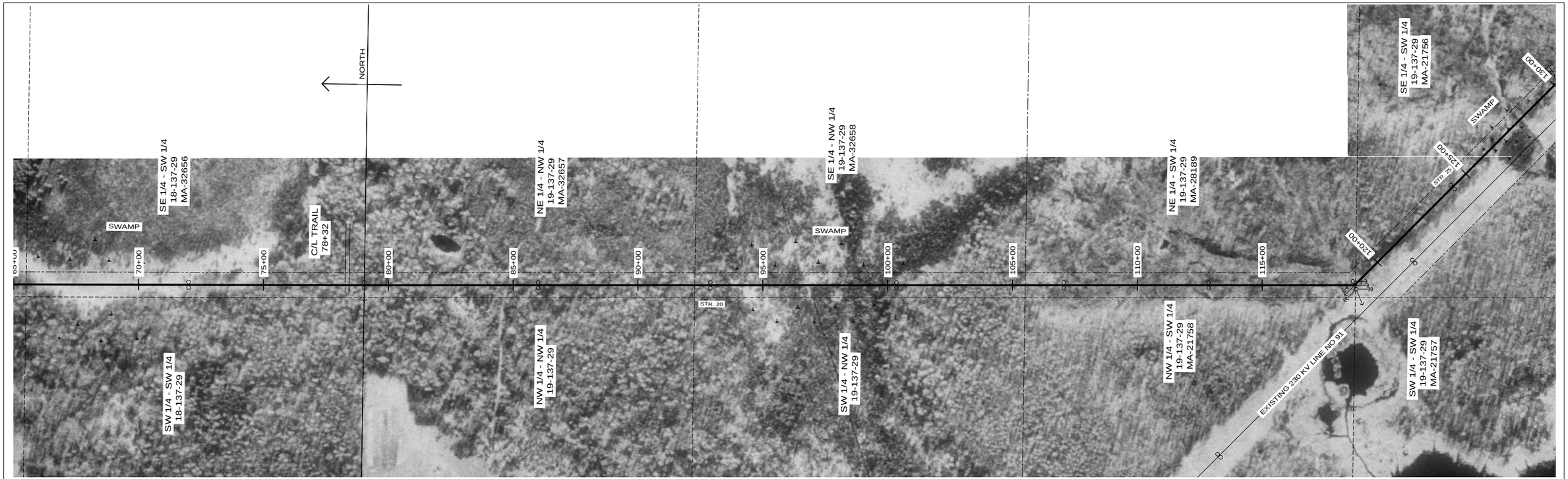

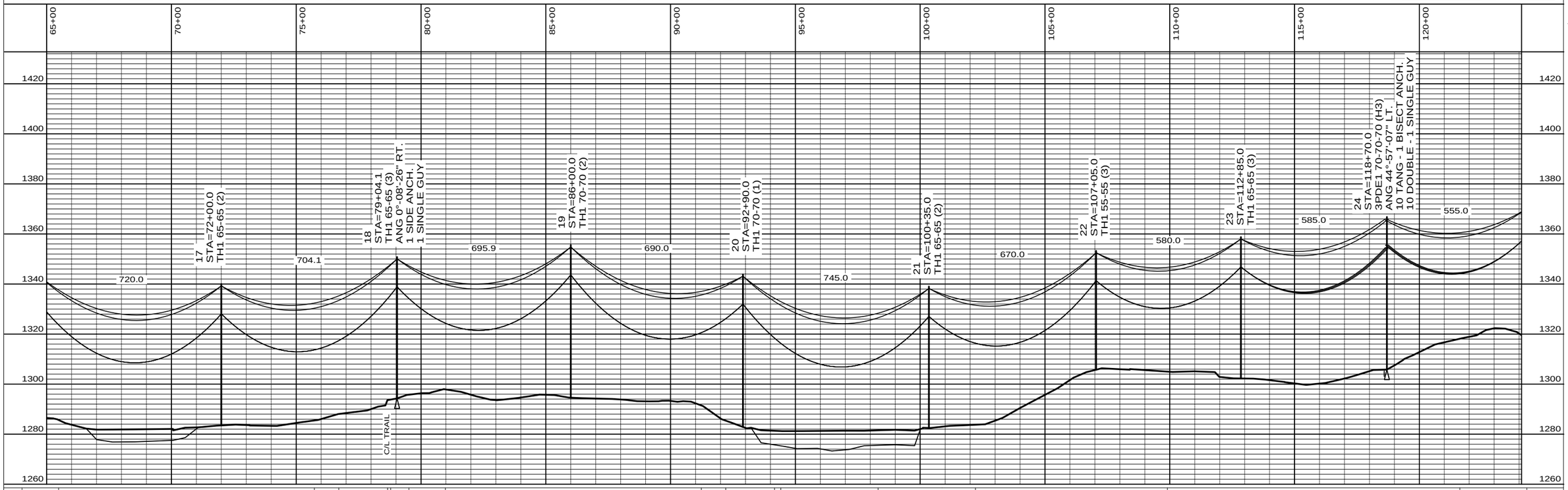

NO.	DATE	REVISION DESCRIPTION	BY	APPROVED	NO.	DATE	REVISION DESCRIPTION	BY	APPROVED

DRAWN BY: A.R.H. | CHECKED:

SCALE: HORZ. 1" = 400' | APPROVED:

VERT. 1" = 40' | DATE: 12/11/08

MINNESOTA POWER

115 KV PINE RIVER - PEQUOT LAKES LINE NO. 147

SHEET 4 OF 10 | REV. 0

MD + 32650

FILE:

MICROFILMED / / | CODE

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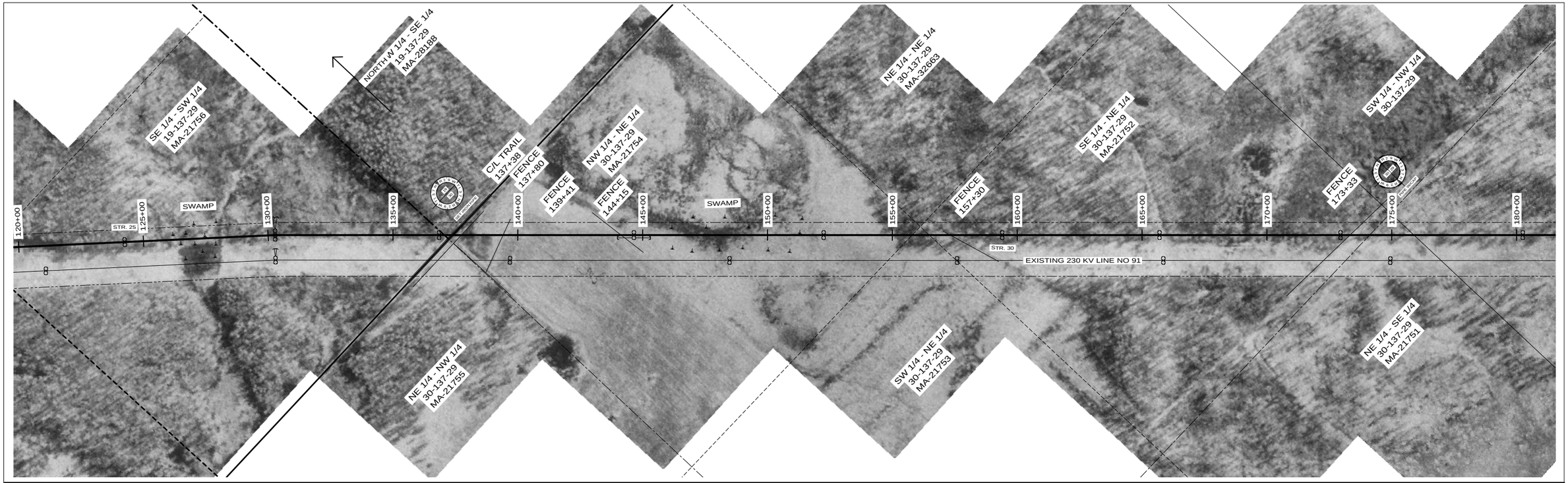

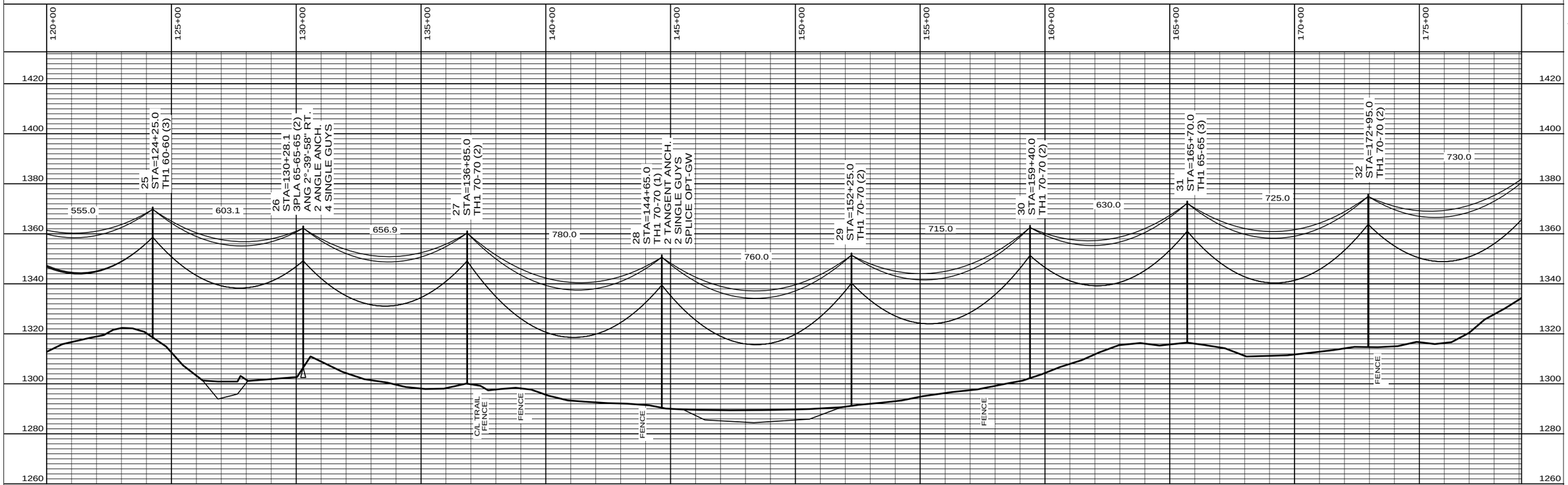

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DRAWN BY: A.R.H.
CHECKED:
SCALE: HORZ. 1" = 400'
VERT. 1" = 40'
APPROVED:
DATE: 12/11/08

MINNESOTA POWER

115 KV PINE RIVER - PEQUOT LAKES LINE NO. 147

SHEET 5 OF 10 | REV. 0

MD + 32650

MICROFILMED / /

CODE

FILE:

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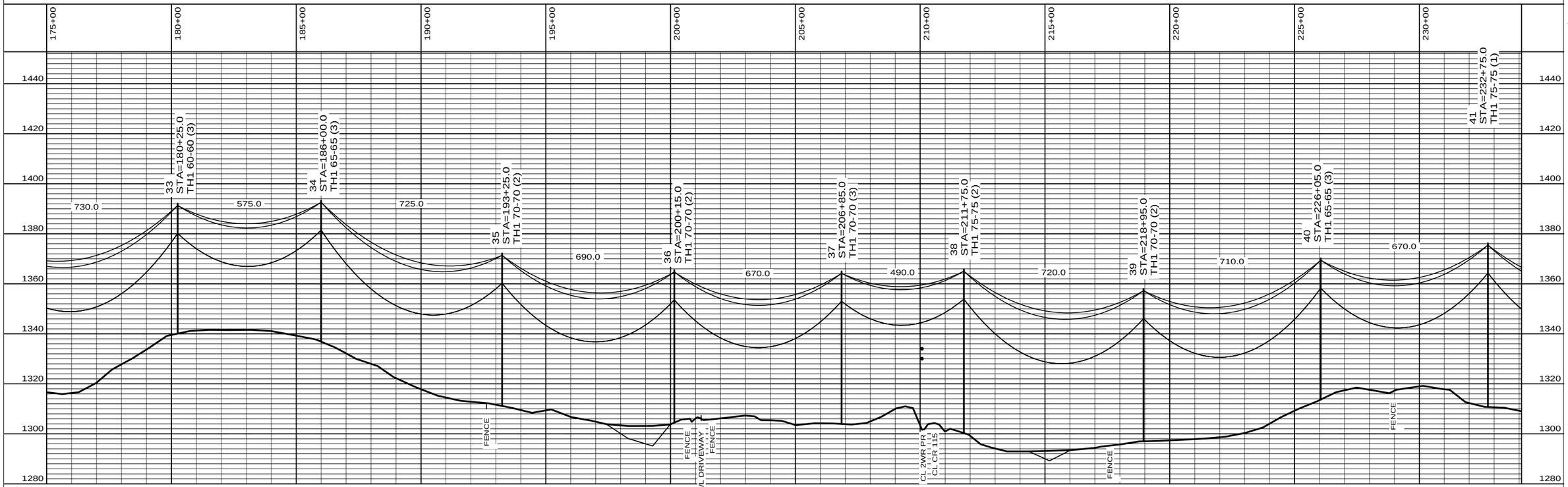

NO.	DATE	REVISION DESCRIPTION	BY	APPROVED

NO.	DATE	REVISION DESCRIPTION	BY	APPROVED

DRAWN BY: A.R.H.
CHECKED:
SCALE: HORZ. 1" = 400'
VERT. 1" = 40'
APPROVED:
DATE: 12/11/08

MINNESOTA POWER

115 KV PINE RIVER - PEQUOT LAKES LINE NO. 147

SHEET 6 OF 10 | REV. 0

MD + 32650

MICROFILMED / /

CODE

FILE:

PLS-CADD DRAWING

NE 1/4 - NE 1/4
32-137-29

NORTH

SE 1/4 - NE 1/4
32-137-29
MA-21744

SWAMP

FENCE
246+90

FENCE
253+22

C/L ROAD
253+65

NW 1/4 - SW 1/4
33-137-29
MA-21742

SE 1/4 - SW 1/4
33-137-29
MA-21740

FENCE
282+98

C/L TRAIL
283+06

STR. 45

EXISTING 230 KV LINE NO 91

SW 1/4 - NE 1/4
32-137-29
MA-21745

NE 1/4 - SE 1/4
32-137-29
MA-21743

SW 1/4 - SW 1/4
33-137-29
MA-21741

GOV LOT 2
5-136-29
MA-21739

230+00 235+00 240+00 245+00 250+00 255+00 260+00 265+00 270+00 275+00 280+00 285+00

1400 1380 1360 1340 1320 1300 1280 1260 1240

41 STA=232+75.0 TH1 75-75 (1)
42 STA=239+90.0 TH1 65-65 (2)
43 STA=246+95.0 TH1 75-75 (1)
44 STA=254+30.0 TH1 60-60 (3)
45 STA=261+05.0 TH1 65-65 (3)
46 STA=267+50.0 TH1 70-70 (2)
47 STA=273+95.0 TH1 65-65 (3)
2 TANGENT ANCH.
2 SINGLE GUYS
SPLICE OPT-GW
48 STA=280+40.0 TH1 70-70 (2)
49 STA=287+90.0 TH1 70-70 (1)

715.0 705.0 735.0 675.0 645.0 645.0 645.0 750.0

FENCE C/L ROAD
FENCE
FENCE C/L TRAIL

NO.	DATE	REVISION DESCRIPTION	BY	APPROVED

NO.	DATE	REVISION DESCRIPTION	BY	APPROVED

DRAWN BY: A.R.H.
CHECKED:
HORZ. 1" = 400'
SCALE:
VERT. 1" = 40'
APPROVED:
DATE: 12/11/08

MINNESOTA POWER

115 KV PINE RIVER - PEQUOT LAKES LINE NO. 147

SHEET 7 OF 10 | REV. 0

MD + 32650

MICROFILMED / /

CODE

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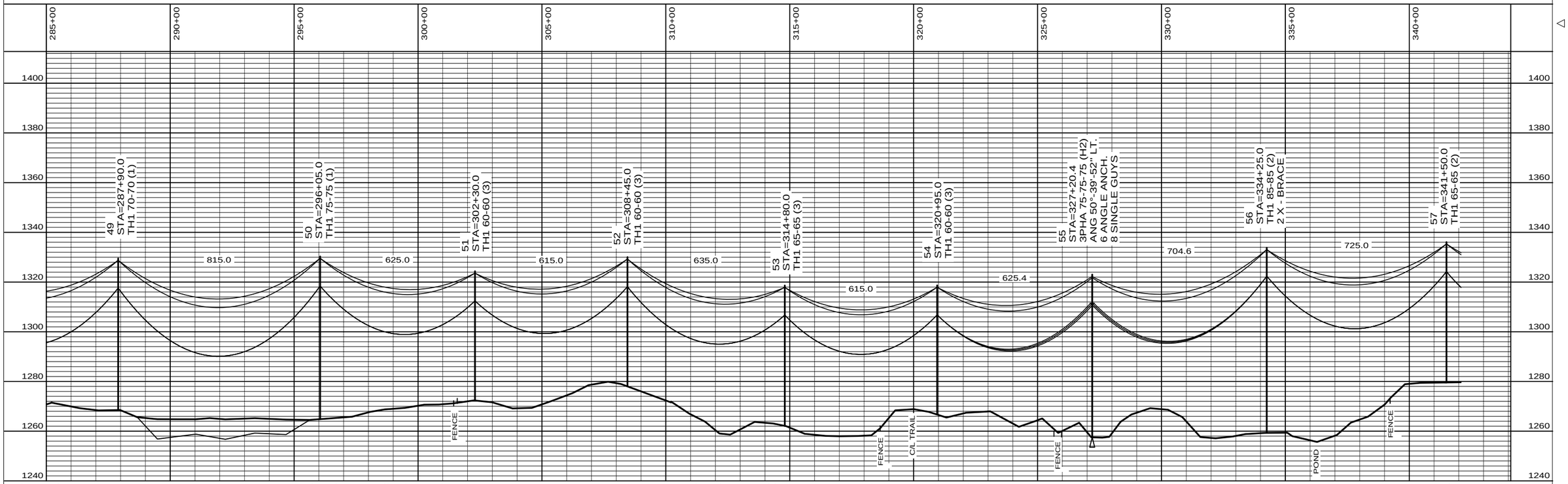

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NO.	DATE	REVISION DESCRIPTION	BY	APPROVED

DRAWN BY: A.R.H.
CHECKED:
HORZ. 1" = 400'
SCALE:
VERT. 1" = 40'
APPROVED:
DATE: 12/11/08

MINNESOTA POWER

115 KV PINE RIVER - PEQUOT LAKES
LINE NO. 147

SHEET 8 OF 10 | REV. 0

MD + 32650

FILE:

MICROFILMED / /

CODE

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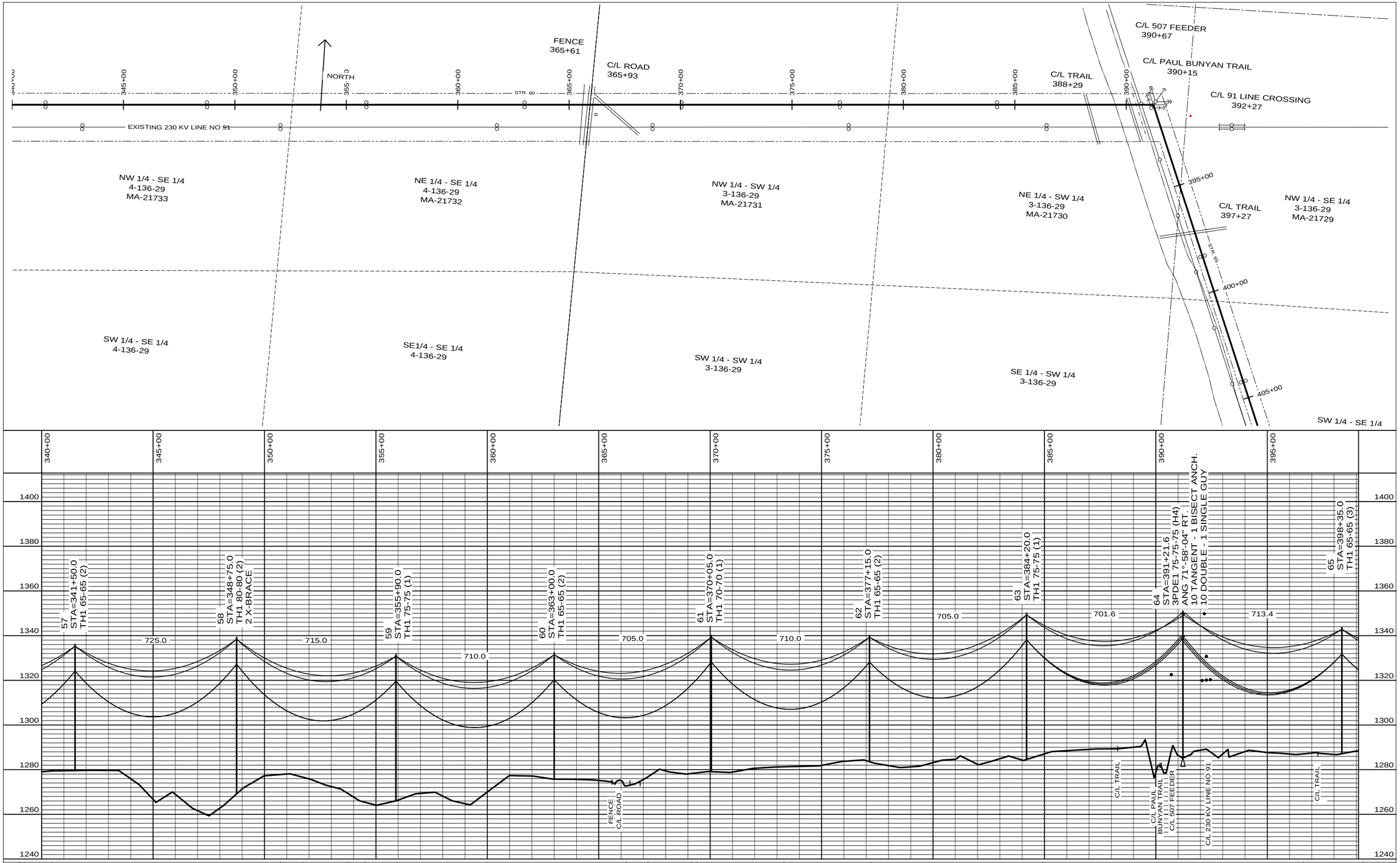

NO.	DATE	REVISION DESCRIPTION	BY	APPROVED

NO.	DATE	REVISION DESCRIPTION	BY	APPROVED

DRAWN BY: A.R.H.	CHECKED:	MINNESOTA POWER	115 KV PINE RIVER - PEQUOT LAKES LINE NO. 147
SCALE: HORZ. 1" = 400' VERT. 1" = 40'	APPROVED:		MD + 32650
	DATE: 12/11/08		SHEET 9 OF 10 REV. 0

FILE:

MICROFILMED / /

CODE

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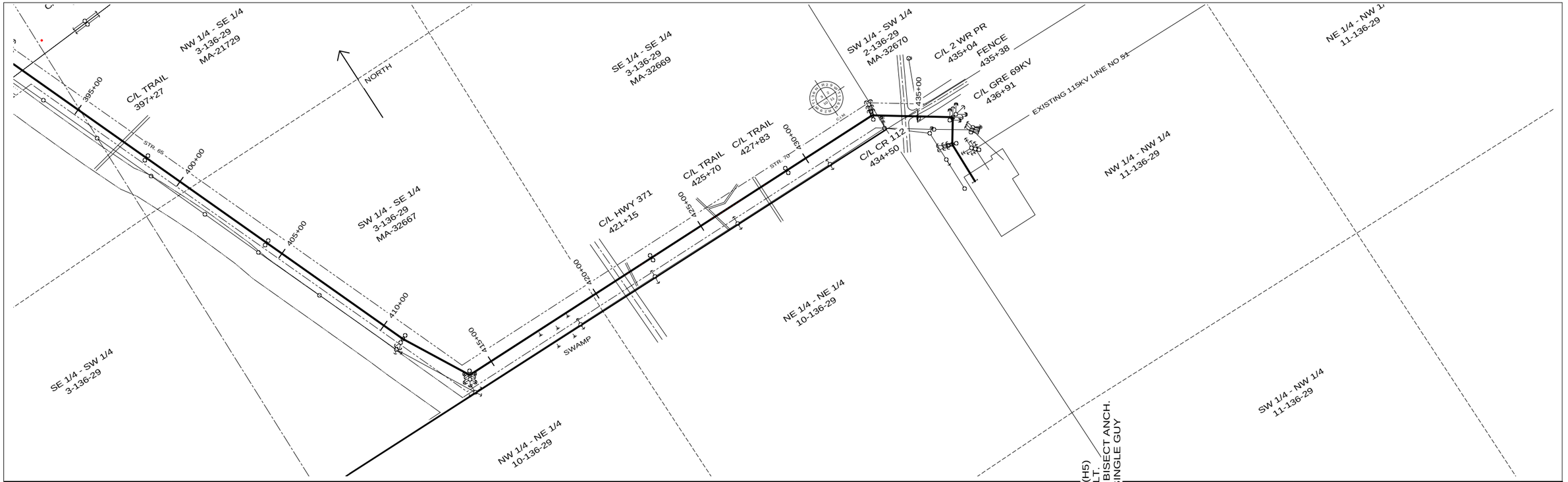

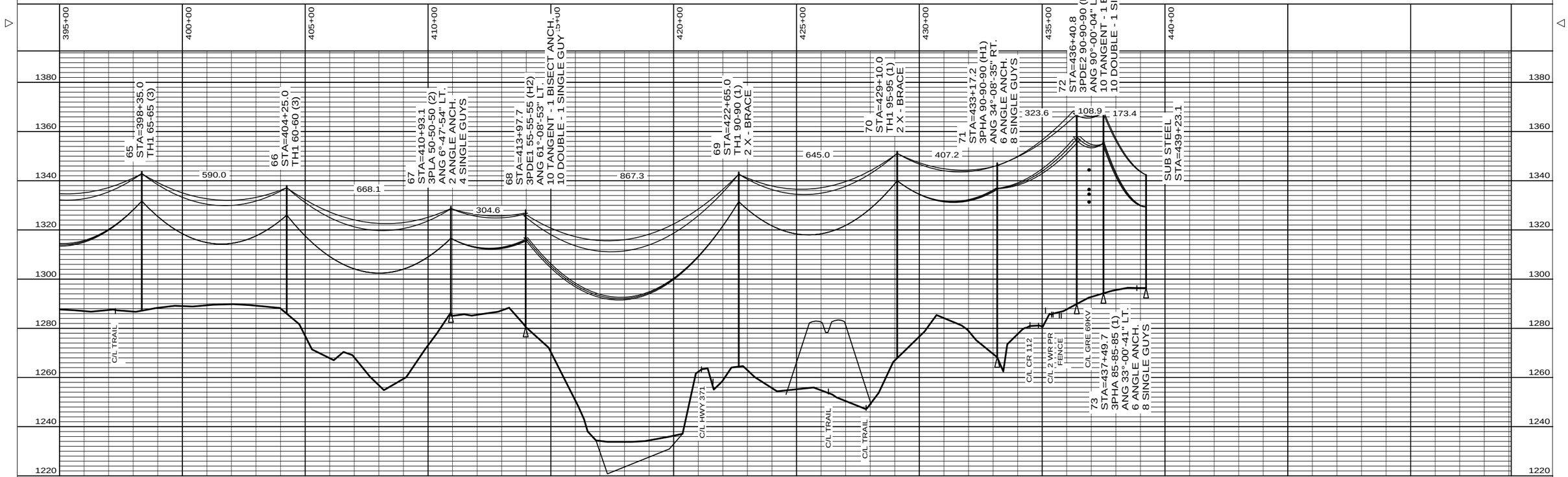

NO.	DATE	REVISION DESCRIPTION	BY	APPROVED

NO.	DATE	REVISION DESCRIPTION	BY	APPROVED

DRAWN BY: A.R.H. | CHECKED:
SCALE: HORZ. 1" = 400' VERT. 1" = 40' | APPROVED:
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MINNESOTA POWER

115 KV PINE RIVER - PEQUOT LAKES LINE NO. 147

SHEET 10 OF 10 REV. 0

MD + 32650

FILE:

MICROFILMED / / | CODE