DAVIS AND WEBER COUNTIES C.

PROFILE

MAIN TRUNK CANAL

STA. 0+00± TO STA. 500+00±

DAVIS AND WEBER COUNTIES

BOSTAPH & ROCHE

OGDEN UTAH

ENGINEERS

APPROVED:

BOSTAPH & ROCHE.

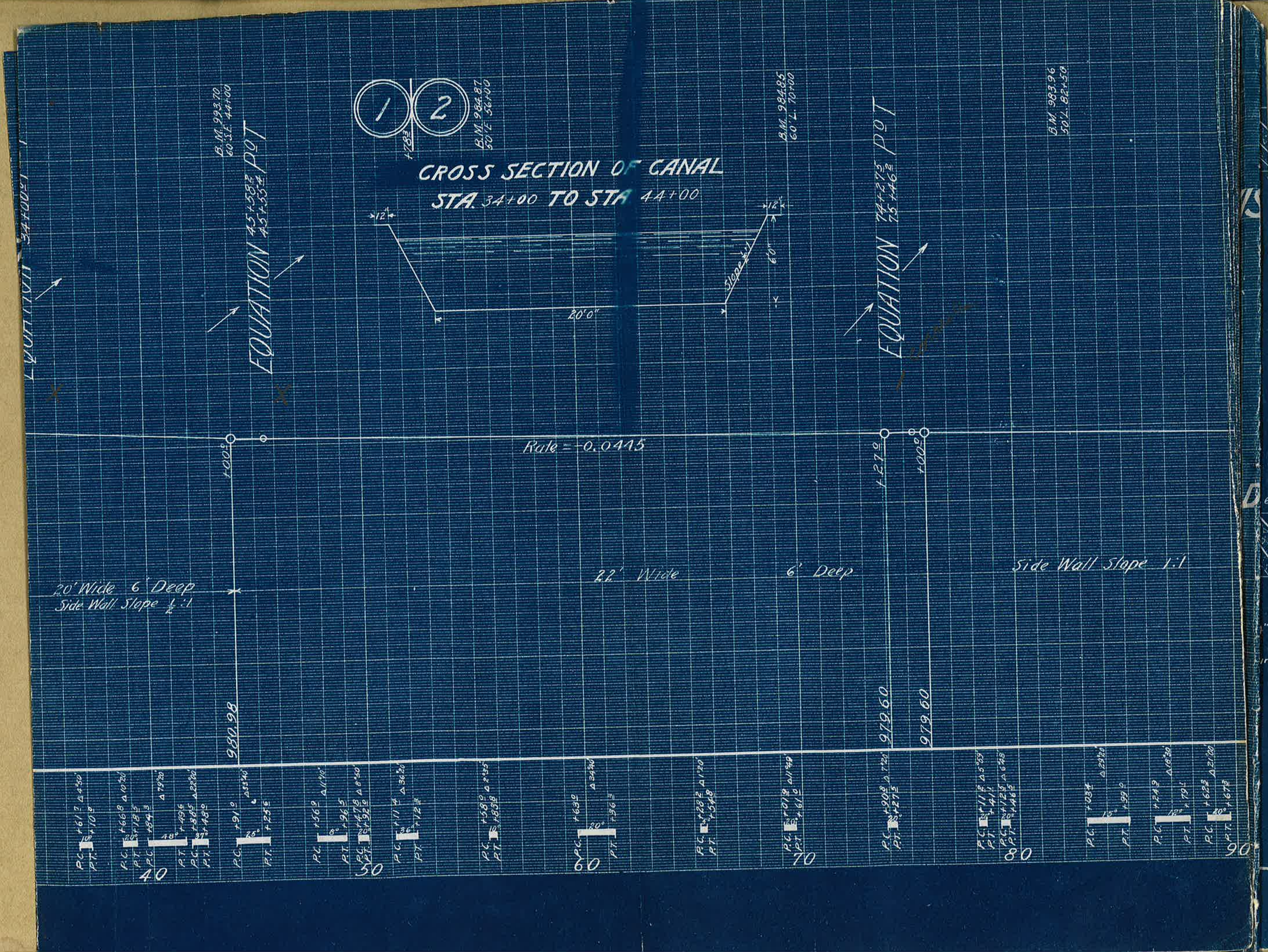
By _____

ANAL CO.

S, UTAH.

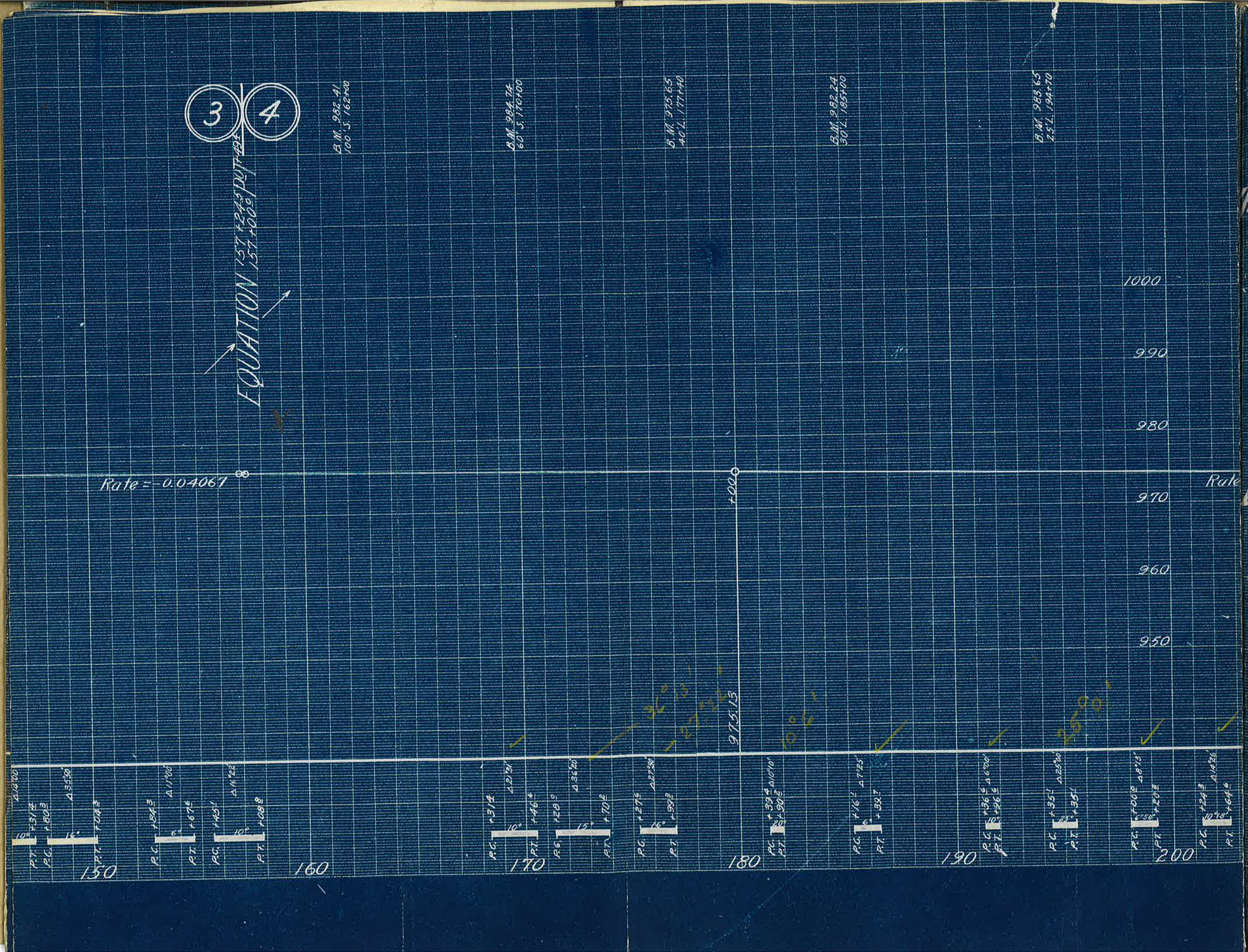
01

CROSS SECTION OF CANAL
STA. 5+00 TO STA. 34+00



CROSS SECTION OF CANAL
STA. 34+00 TO STA. 44+00
20'0"
Rate = -0.0415
20' Wide 6' Deep
Side Wall Slope 1/2 :1
22' Wide
6' Deep
Side Wall Slope 1:1
EQUATION
EQUATION
POT
POT
980.98
979.60
979.60
40
50
60
70
80
90

2
3
EQUATION 110+00 = 110+54.3 POT
CROSS SECTION OF CANAL
STA. 44+00 TO STA. 422+53
22'0"
5'0"
Slope 1:1
1000
990
980
Rate = -0.0445
970
960
950
977.42
100
110
120
130
140



3
4
EQUATION 157+24.5 BK
157+00.0 AH
B.M. 982.41
100' S. 162+00
B.M. 984.74
60' S. 170+00
B.M. 975.65
40' L. 177+40
B.M. 982.24
30' L. 185+00
B.M. 983.65
25' L. 194+70
1000
990
980
970
960
950
Rate = -0.04067
975.15
150
160
170
180
190
200

4 5

B.M. 982.29
50' L. 213+40

B.M. 979.31
A0' L. 217+25

EQUATION 227+92.5 POT
228+98.5

B.M. 975.38
302. 229+00

B.M. 981.27
302. 239+60

B.M. 979.29
60' L. 251+50

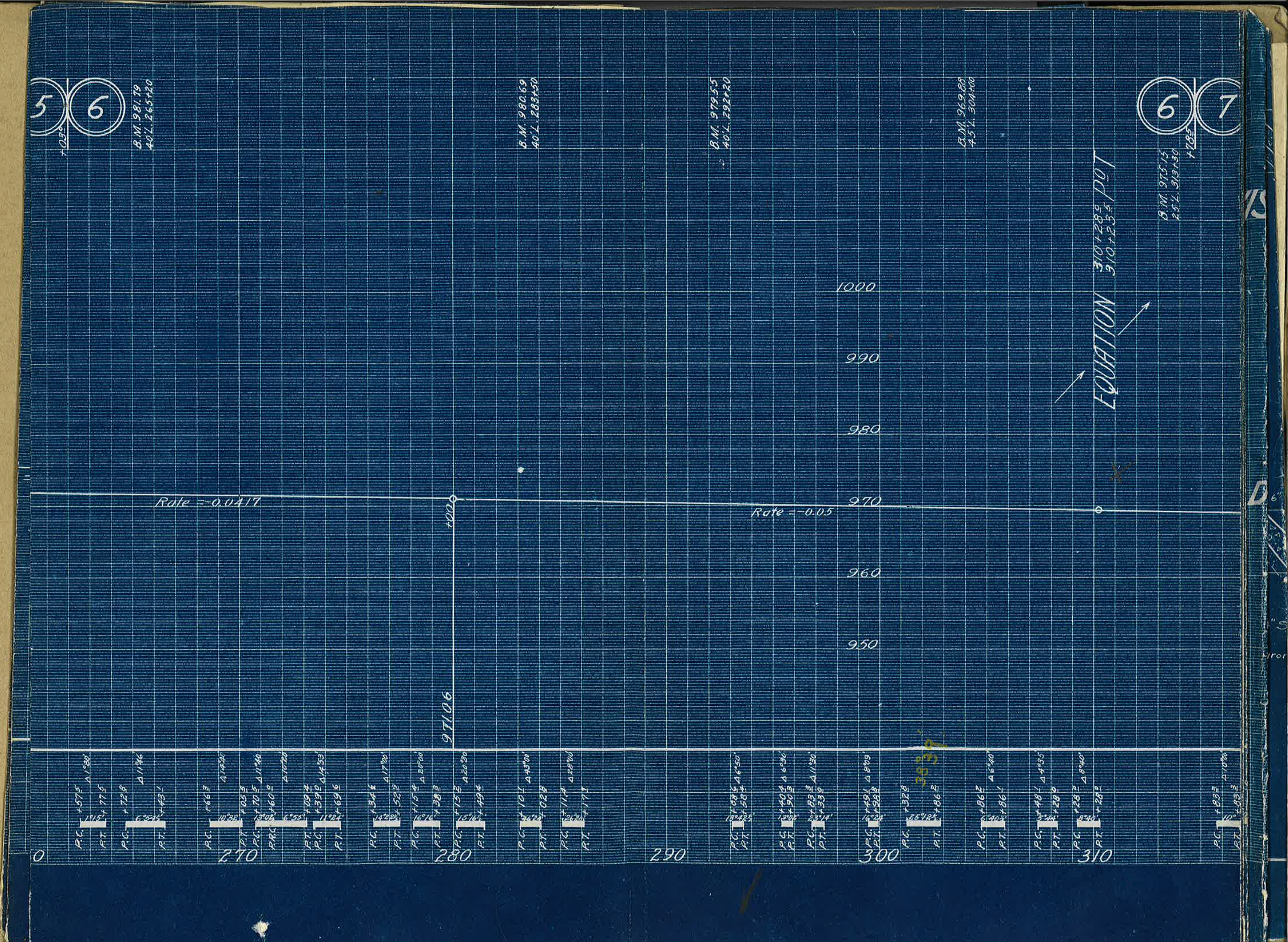
= -0.004067

Rate = -0.04067

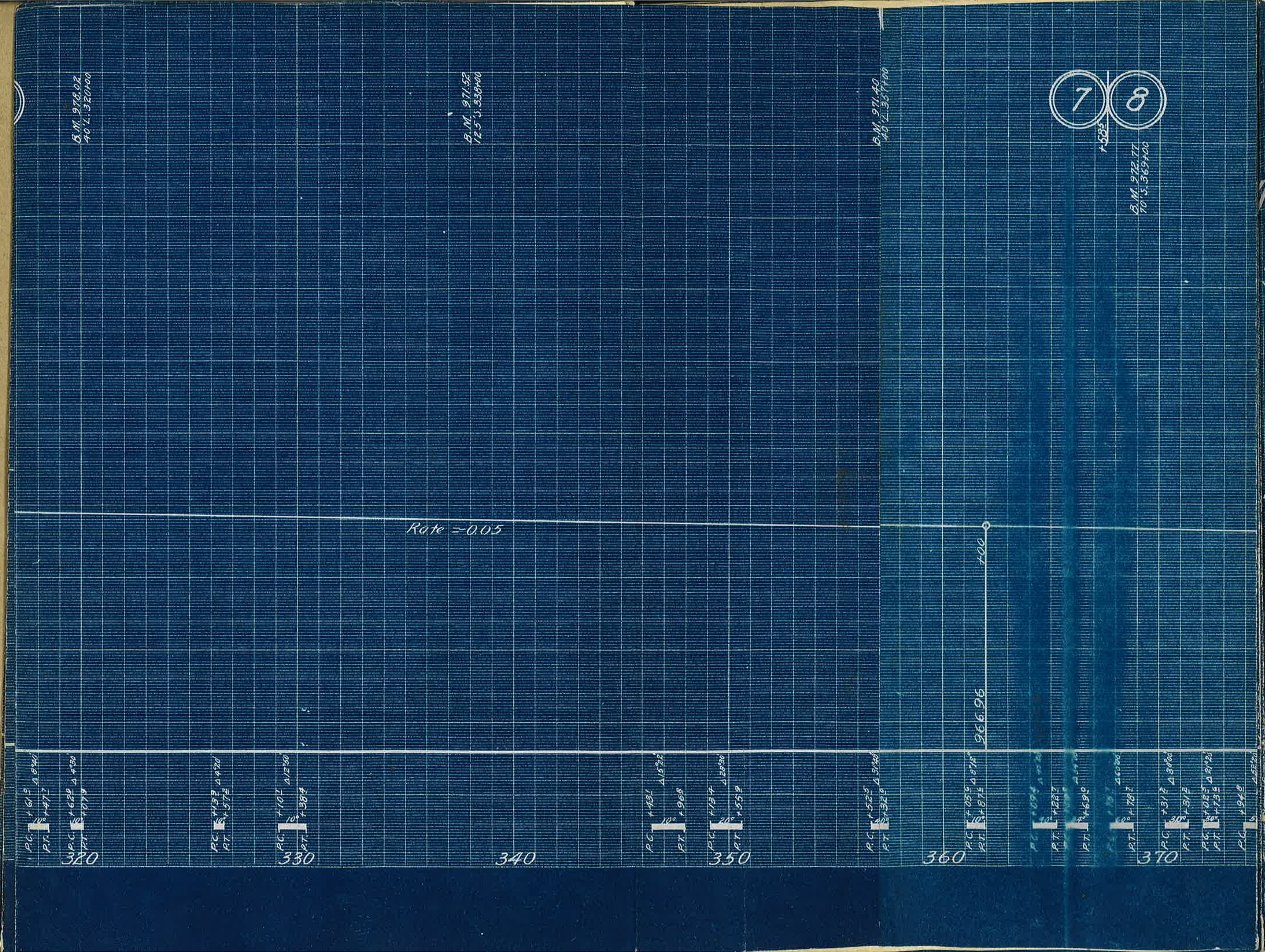
91.216

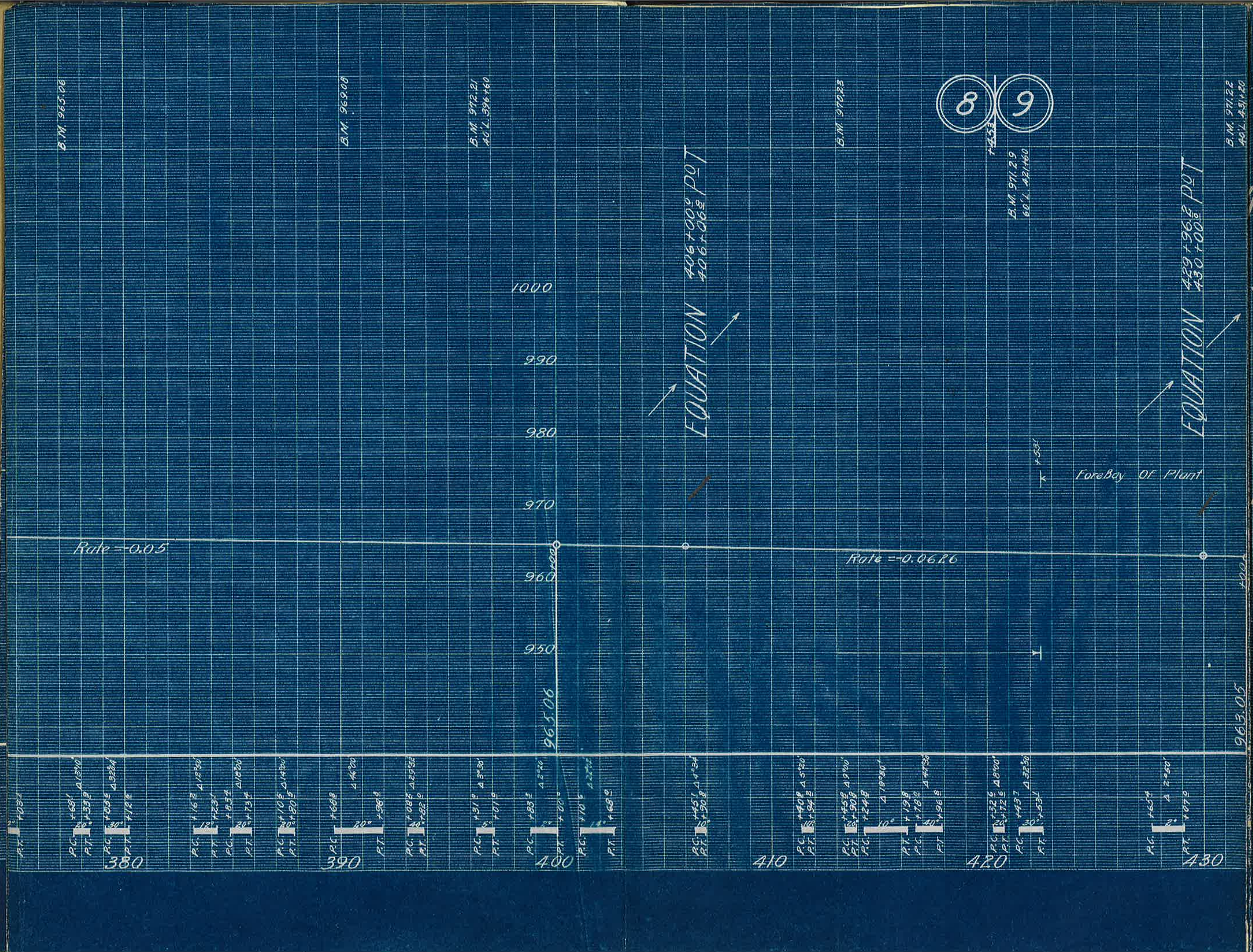
90.216

210 220 230 240 250

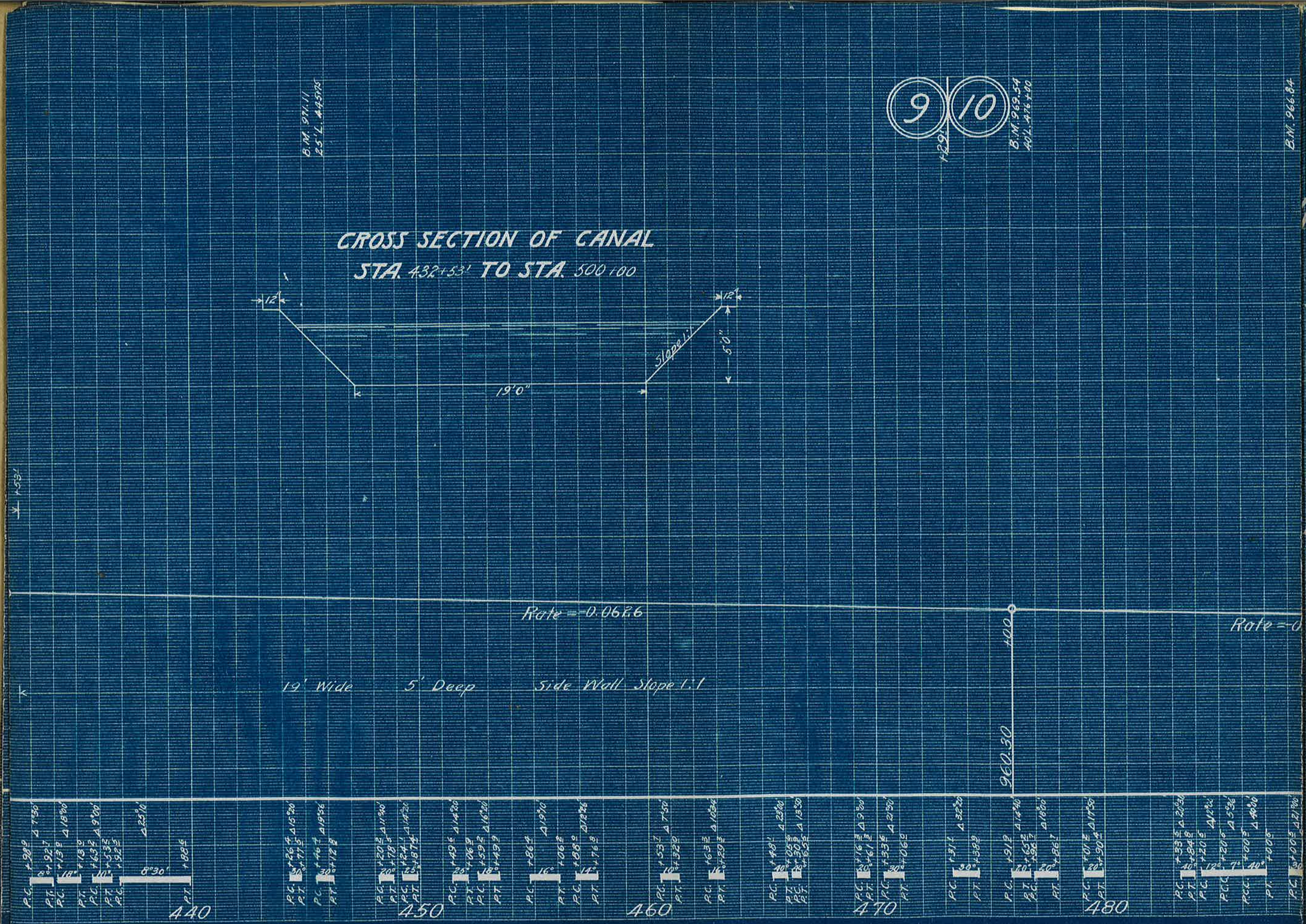


5
6
B.M. 981.79
B.M. 980.69
B.M. 979.55
B.M. 969.88
EQUATION
6
7
1000
990
980
970
960
950
Rate = -0.0417
Rate = -0.05
971.06
270
280
290
300
310

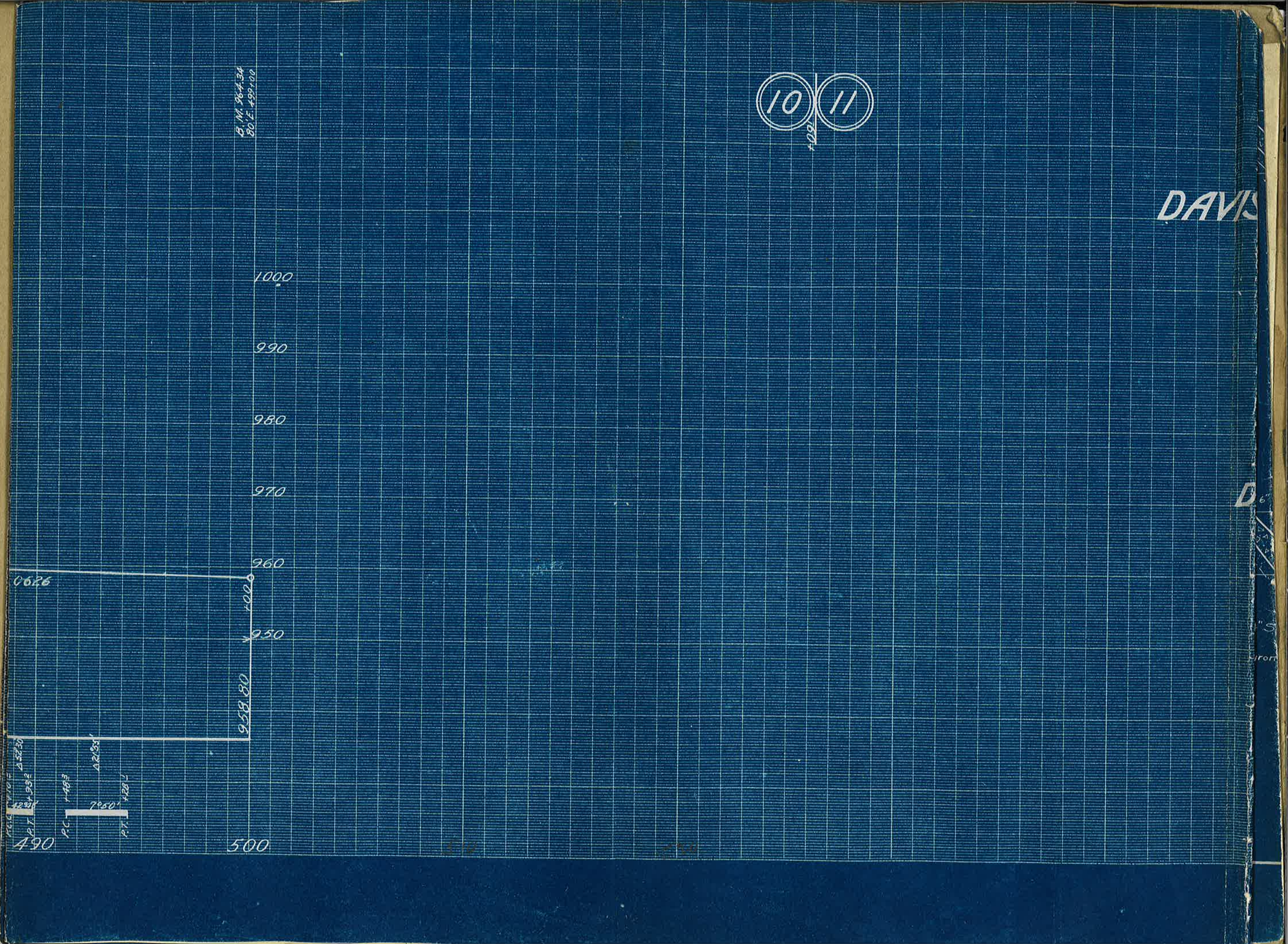

7
8
B.M. 978.02
40'L. 320+00
B.M. 971.52
125'S. 338+00
B.M. 971.40
40'L. 357+00
+585
B.M. 972.77
70'S. 369+00
Rate = -0.05
+00
966.96
320
330
340
350
360
370



8
9
B.M. 965.06
B.M. 969.08
B.M. 970.23
EQUATION
EQUATION
1000
990
980
970
960
950
Fore Bay Of Plant
Rate = -0.05
Rate = -0.0626
965.06
963.05
380
390
400
410
420
430



9
10
B.M. 971.11
B.M. 969.54
B.M. 966.84
CROSS SECTION OF CANAL
STA. 432+53' TO STA. 500+00
12"
12"
Slope 1:1
5'0"
19'0"
Rate = -0.0626
Rate = -0
400
960.30
19' Wide
5' Deep
Side Wall Slope 1:1
440
450
460
470
480



B.M. 964.34
80'E. 499+00
10
11
+00
DAVIS
1000
990
980
970
960
950
0.626
+00
958.80
P.C.C. +70
Δ 52°30'
P.T. +93.2
P.C. +48.3
Δ 21°55'
7°50'
P.T. +28.0
490
500

BOSTAPH & ROCHE

Civil and Hydraulic
Engineers

OGDEN - UTAH

1912

FILE No. 117