

Δ = 25° 00'
SV = 40 mph
U/C = 60 ft
A.O. = 3.64 ch
R = 8.25 ch
SE = 1.17 m/ft
EW = 2.0'

Δ = 23° 30'
SV = 40 mph
U/C = 60 ft
A.O. = 3.52 ch
R = 8.50 ch
SE = 1.05 m/ft
EW = 2.0'

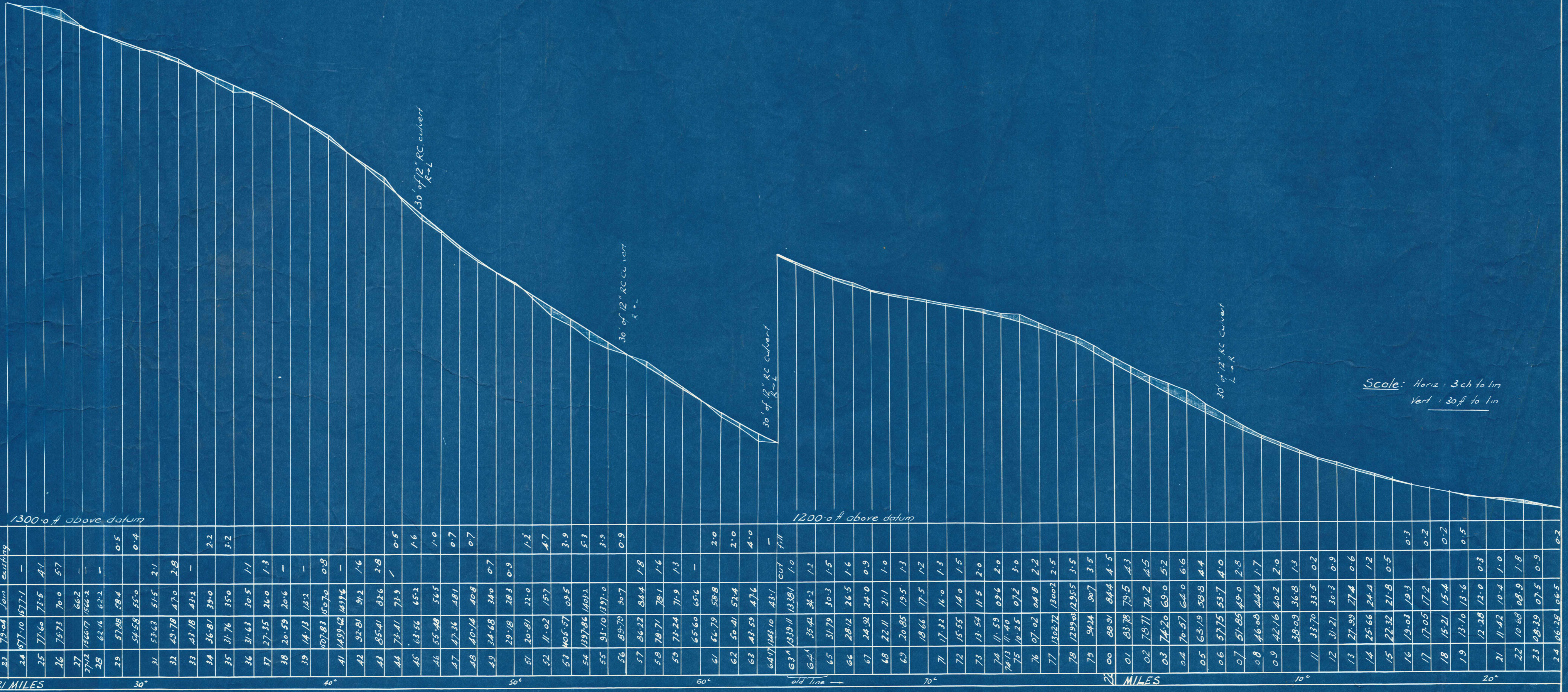
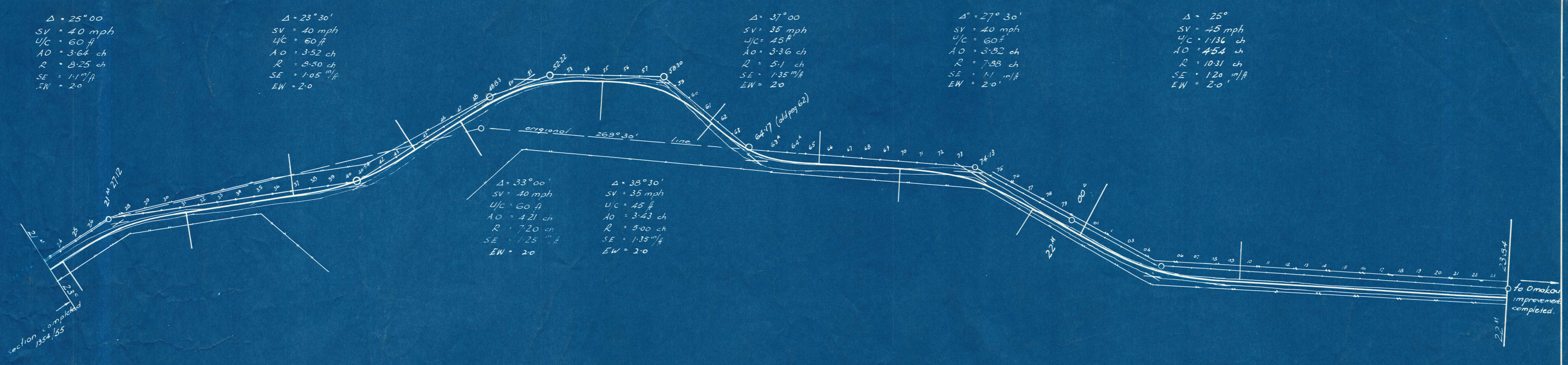
Δ = 37° 00'
SV = 35 mph
U/C = 45 ft
A.O. = 3.36 ch
R = 5.1 ch
SE = 1.35 m/ft
EW = 2.0'

Δ = 27° 30'
SV = 40 mph
U/C = 60 ft
A.O. = 3.82 ch
R = 7.88 ch
SE = 1.1 m/ft
EW = 2.0'

Δ = 25°
SV = 45 mph
U/C = 1136 ch
A.O. = 454 ch
R = 1031 ch
SE = 1.20 m/ft
EW = 2.0'

Δ = 33° 00'
SV = 40 mph
U/C = 60 ft
A.O. = 4.21 ch
R = 7.20 ch
SE = 1.25 m/ft
EW = 2.0'

Δ = 33° 30'
SV = 35 mph
U/C = 45 ft
A.O. = 3.43 ch
R = 5.00 ch
SE = 1.35 m/ft
EW = 2.0'



Scale: Horiz: 3 ch to 1 in
Vert: 30 ft to 1 in

21 MILES	30°	40°	50°	60°	70°	80°	90°	100°	22 MILES
transition		transition		transition		transition		transition	
VINCENT COUNTY COUNCIL					IDABURN — OMAKAU MH227				
BLACKS HILL					21 ^m 23 ^c — 22 ^m 24 ^c				
DUFF			DUNEDIN and INVERCARGILL			J. Kennedy 1/24/90 1/24/90			1990/4

21^M 23^C

Normal
24

SE = 0.40
EW = 0.5'
25

SE = 0.70
EW = 1.0
26

SE = 0.90
EW = 1.5
27

SE = 0.95
EW = 2.0
27.2

SE = 0.98
EW = 1.6
28

SE = 0.65
EW = 1.0
29

SE = 0.4
EW = 1.0
30

Normal
31

32

33

34

35

36

37

SE = 0.40
EW = 6"
38

SE = 0.63
EW = 1.0
39

SE = 0.93
EW = 1.6
40

SE = 1.05
EW = 2.0
40.5A

SE = 0.98
EW = 1.6
41

SE = 0.6
EW = 1.0
42

SE = 0.40
EW = 6"
43

44

45

46

47

SE = 0.40
EW = 6"
48

SE = 0.60
EW = 1.0
48.93

SE = 0.63
EW = 1.0
49

SE = 0.93
EW = 1.6
50

SE = 1.25
EW = 2.0
51

SE = 0.55
EW = 1.6
52

SE = 0.85
EW = 1.6
52.26

SE = 0.63
EW = 1.0
53

SE = 0.40
EW = 6"
54

SE = 0.40
EW = 1.0
55

SE = 0.40
EW = 6"
56

SE = 0.78
EW = 1.0
57

SE = 1.15
EW = 1.6
58

SE = 1.35
EW = 2.0
58.30

SE = 1.15
EW = 1.6
59

SE = 0.75
EW = 1.0
60

SE = 0.40
EW = 6"
61

Normal
62

SE = 0.55
EW = 1.0
63

SE = 0.5
EW = 6"
64.17
(0.000 21M62)

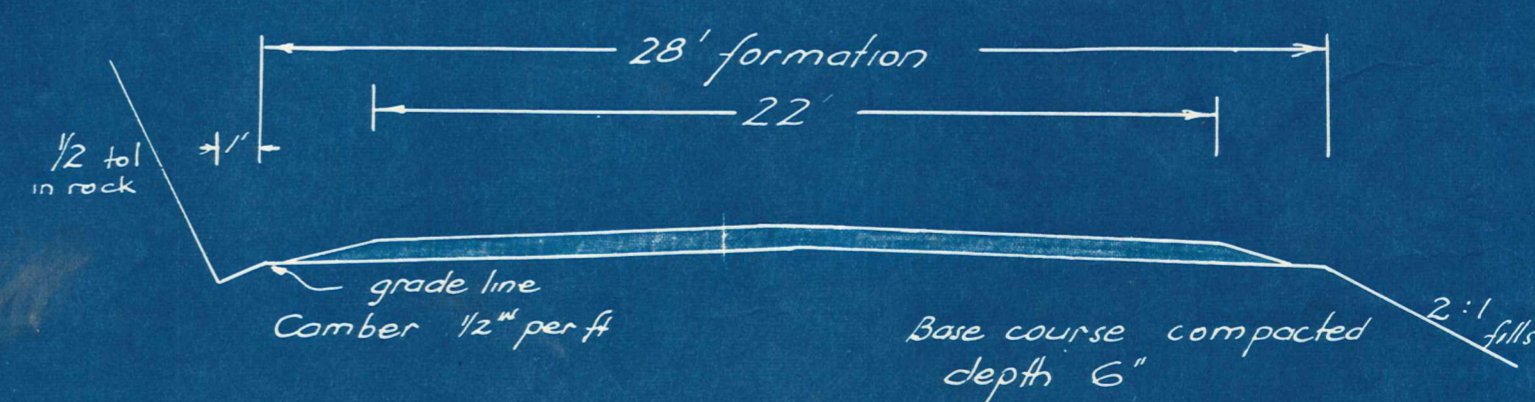
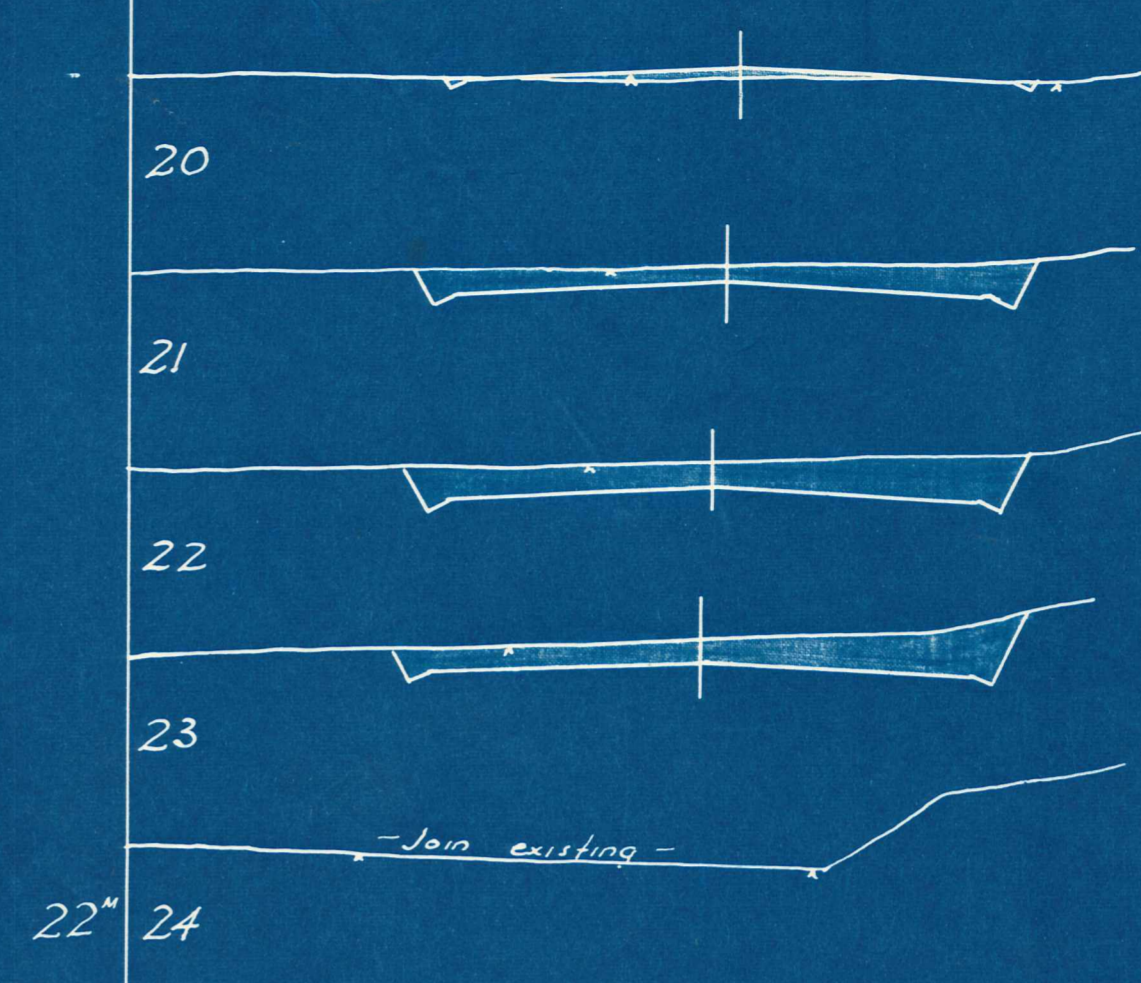
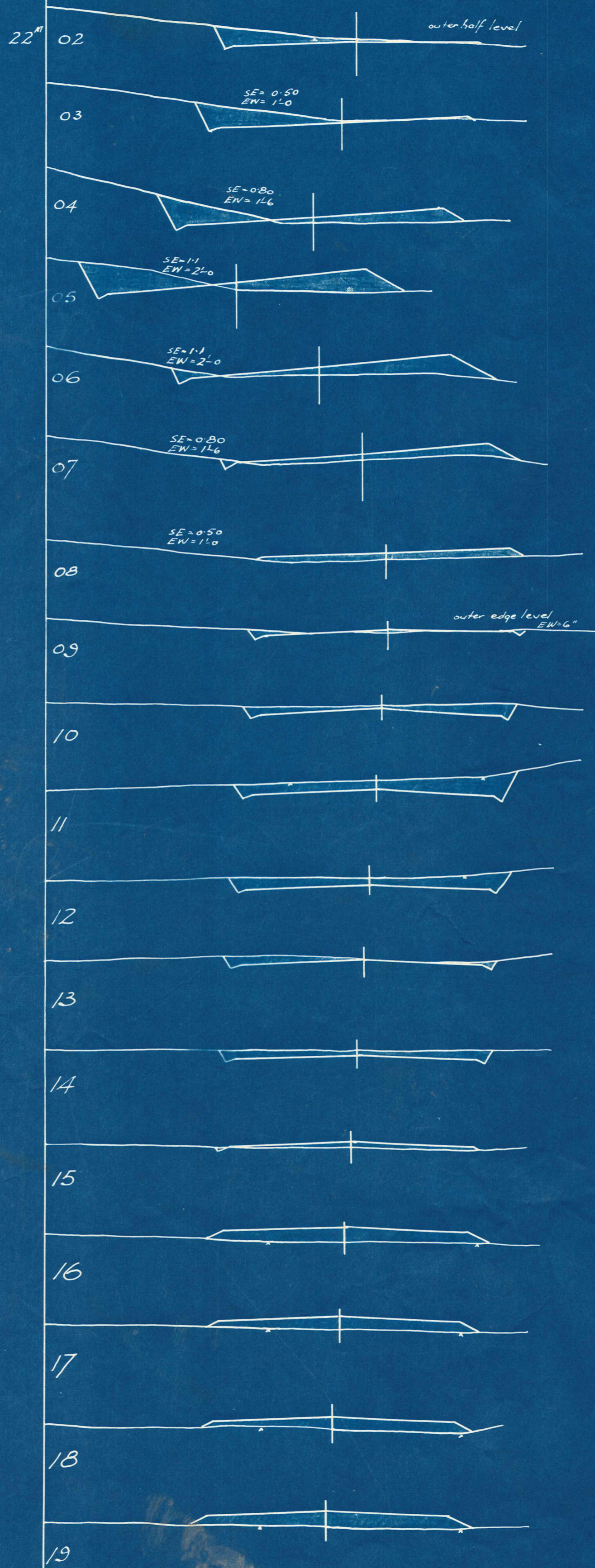
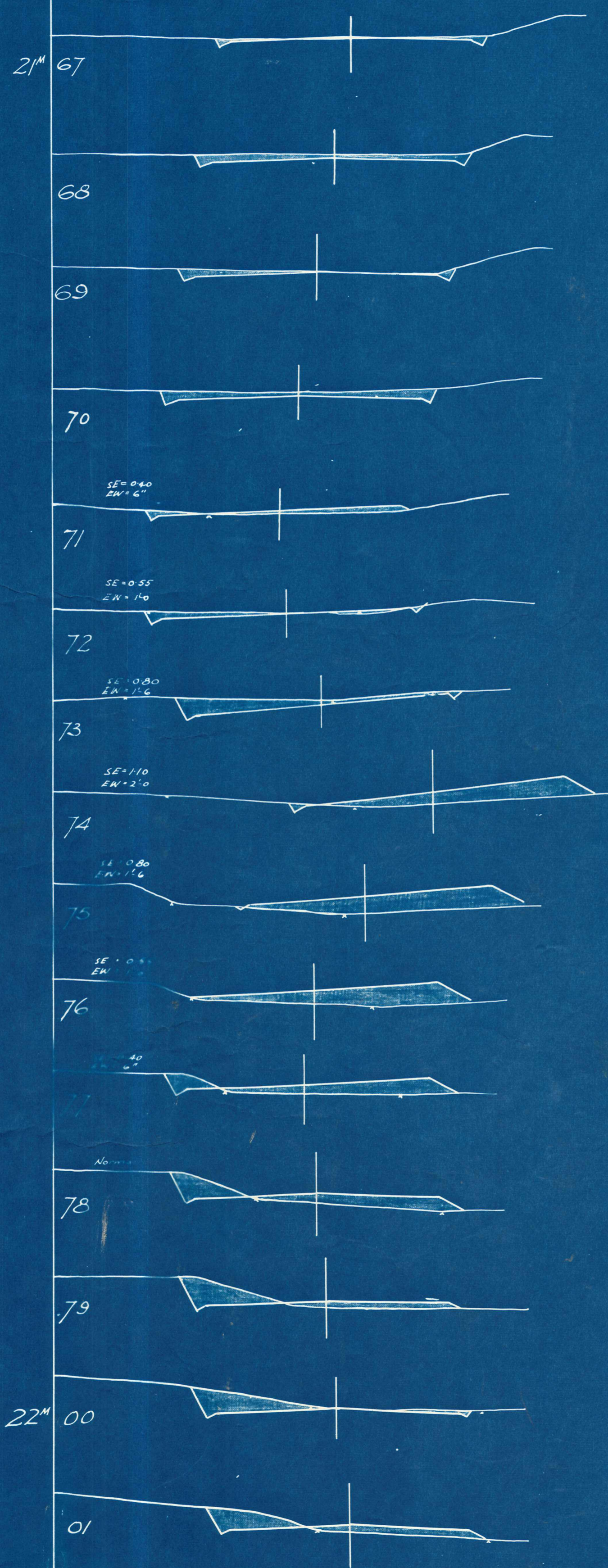
SE = 1.18
EW = 1.6
63

SE = 0.75
EW = 1.0
64

SE = 0.40
EW = 6"
65

Normal
21^M 66

Scale: 10 ft to 1"



Typical Cross Section
5" to 1"

Scale: 10" to 1"

VINCENT COUNTY COUNCIL

IDABURN — OMAKAU M.H. 227

BLACKS HILL
21^M 67^C — 22^M 24^C

DUFFILL, WATTS & KING
CIVIL ENGINEERS AND SURVEYORS
DUNEDIN and IMVERCARGILL

CONVEYED BY
DRAWN BY
CHECKED BY
VALID

NAME
J. Kennedy
J.K. & R.P.
R. Birman

DATE
June 21

JOB No.
1990/6
FILE No.