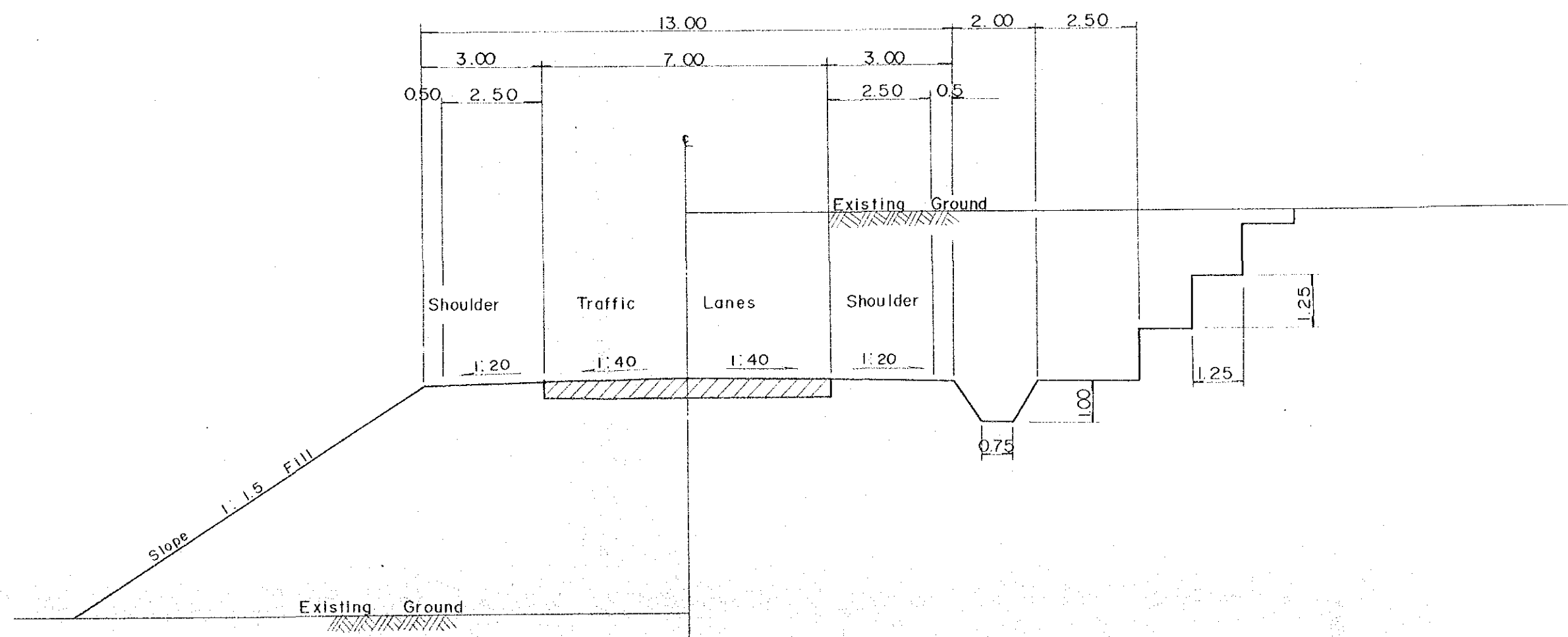


TYPICAL CROSS
TYPICAL CROSS

TYPICA

CUT SECTION



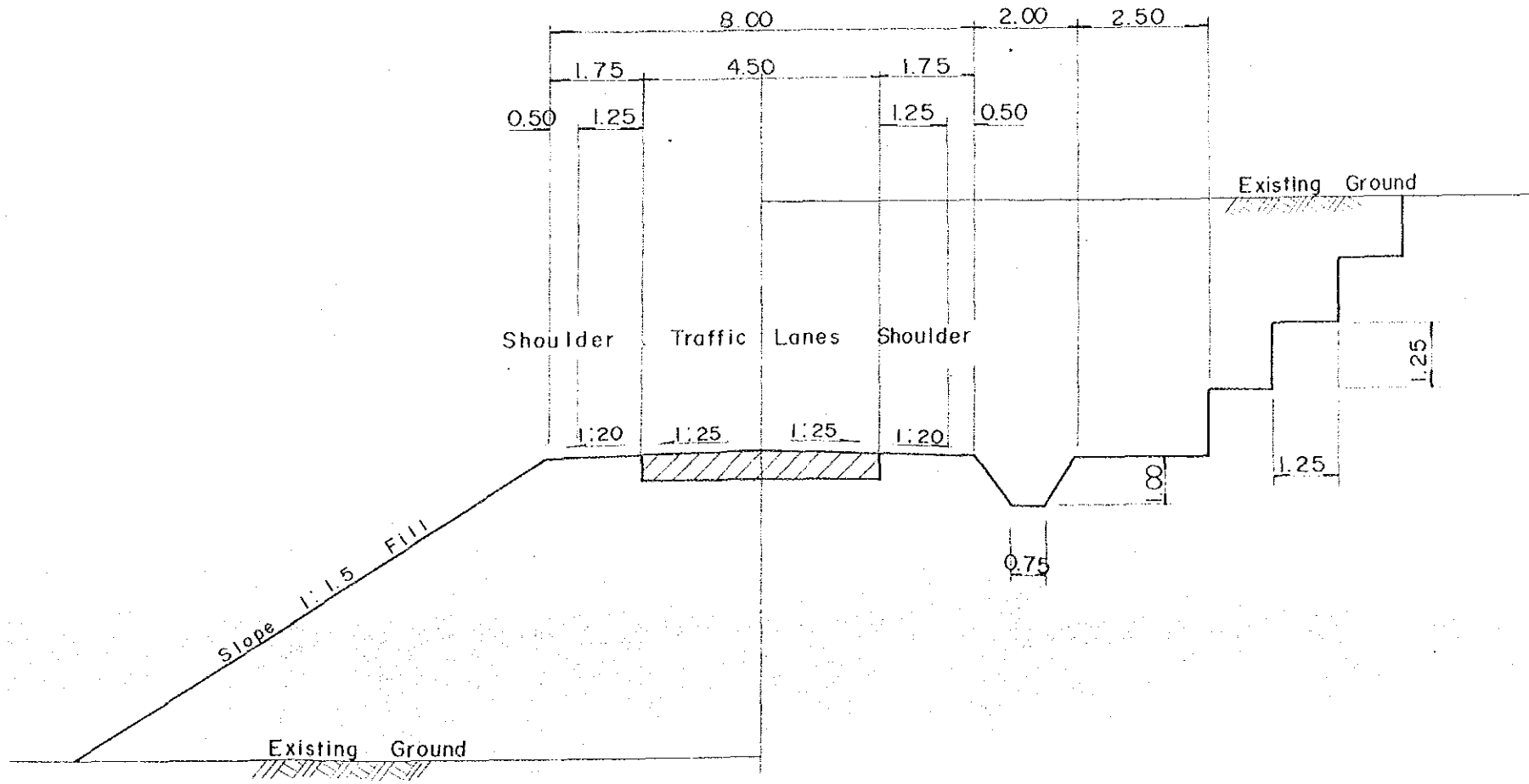
5105

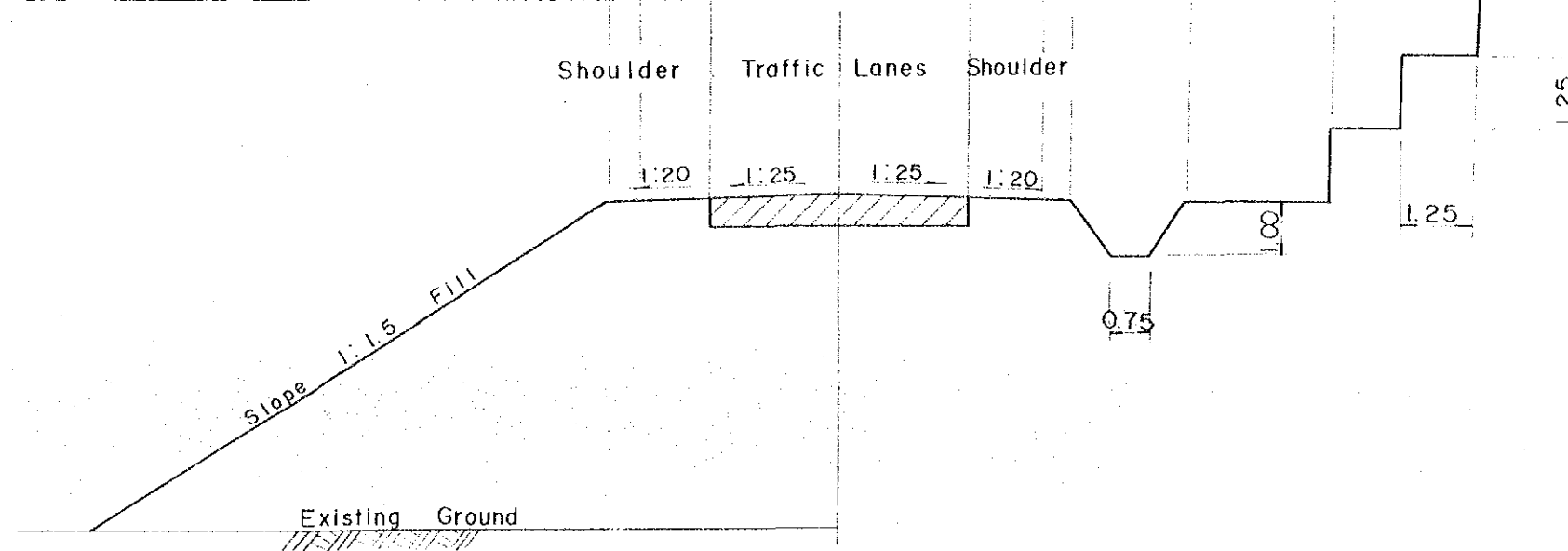
TATAU - KAPIT TRUNK ROAD PROJECT IN SARAWAK	SHEET No.	TOTAL SHEET
	2	9
TYPICAL CROSS SECTION OF TRUNK ROAD TYPICAL CROSS SECTION OF RURAL ROAD		Scale 1:100

TYPICAL CROSS SECTION OF RURAL ROAD

A. FLAT / ROLLING TERRAIN

EMBANKMENT SECTION CUT SECTION

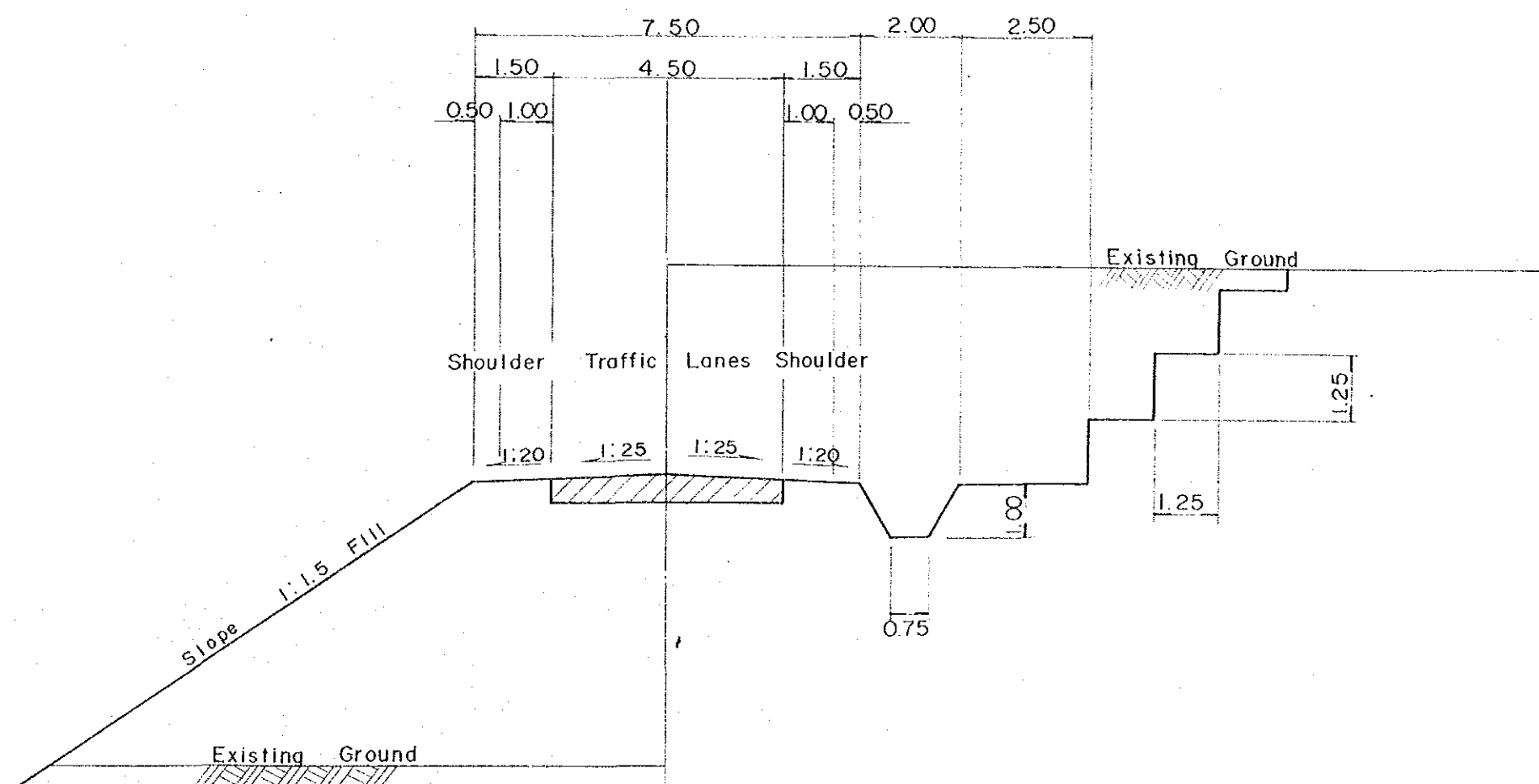




B. MOUNTAINOUS TERRAIN

EMBANKMENT SECTION

CUT SECTION



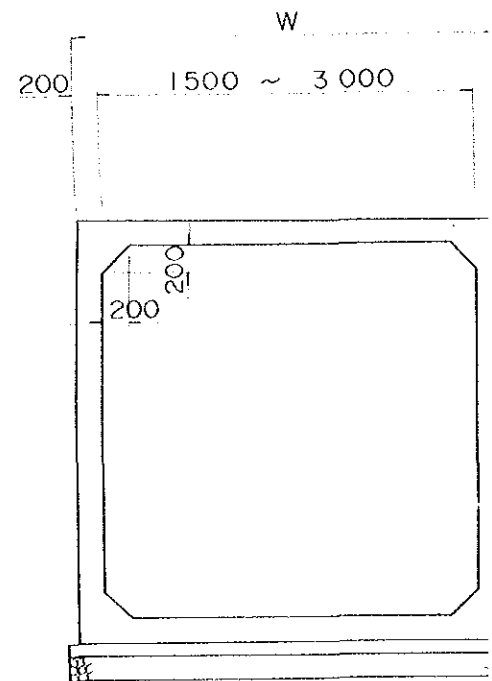
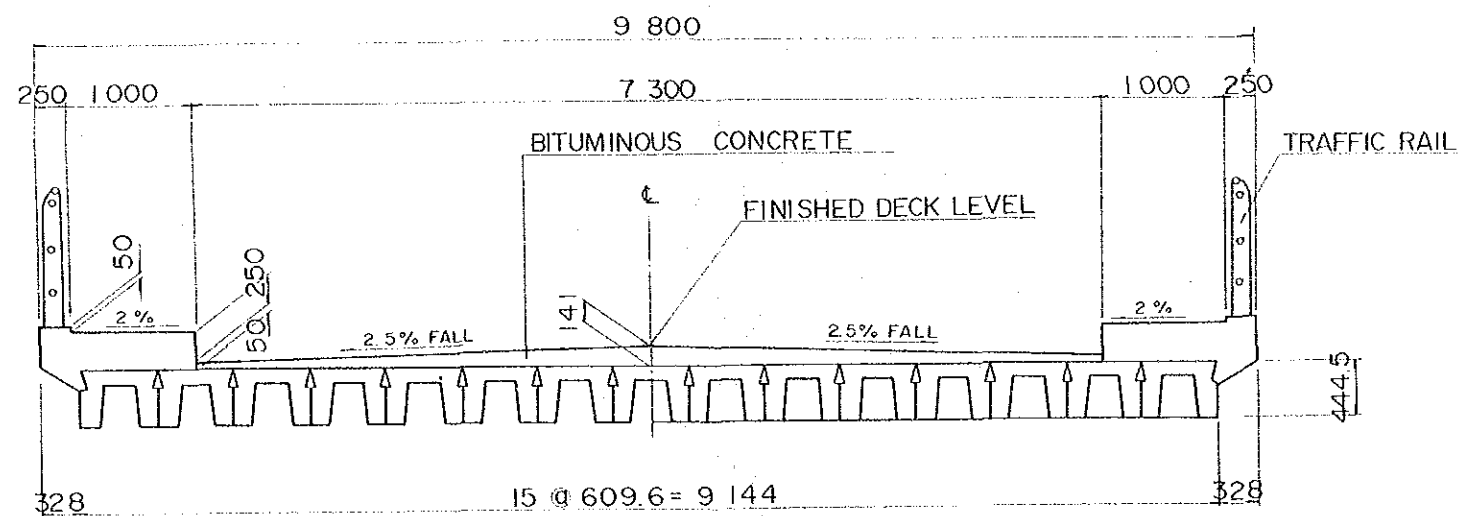
TATAU - KAPIT TR

TYPICAL CROSS

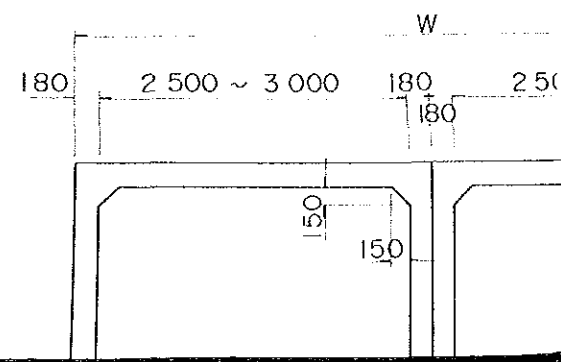
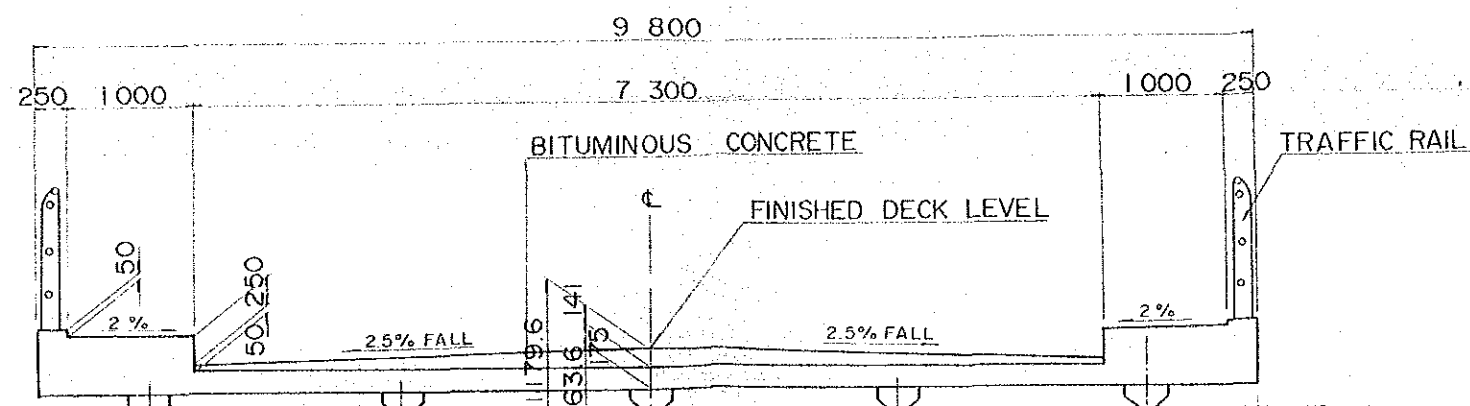
BRIDGES

BOX CULVERT

30 FEET BEAM BRIDGE

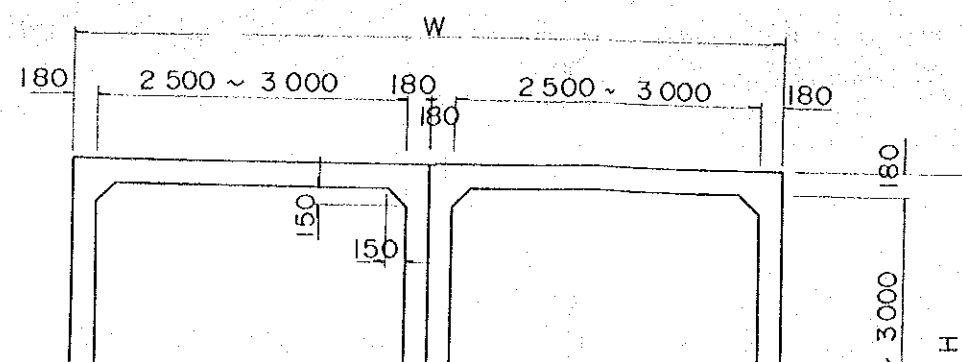
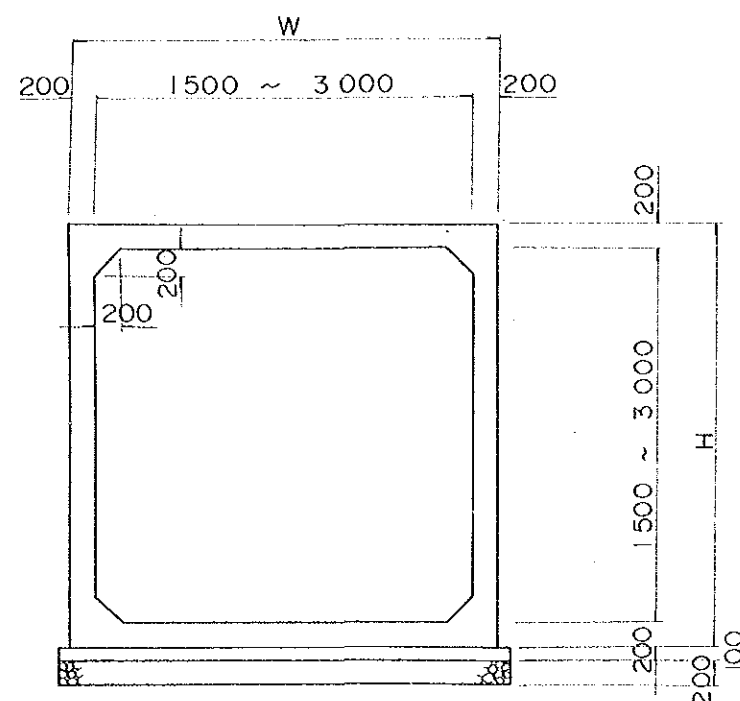


54 FEET BEAM BRIDGE



TATAU - KAPIT TRUNK ROAD PROJECT IN SARAWAK	SHEET No.	TOTAL SHEET
	3	9
TYPICAL CROSS SECTION OF BRIDGES & STRUCTURS		Scale 1:50

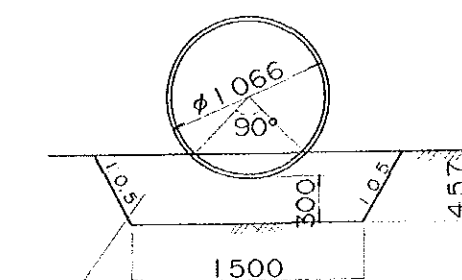
BOX CULVERT



PIPE CULVERTS

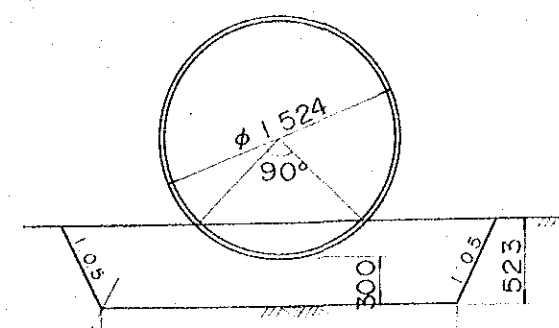
SCALE 1:40

ø 1066mm

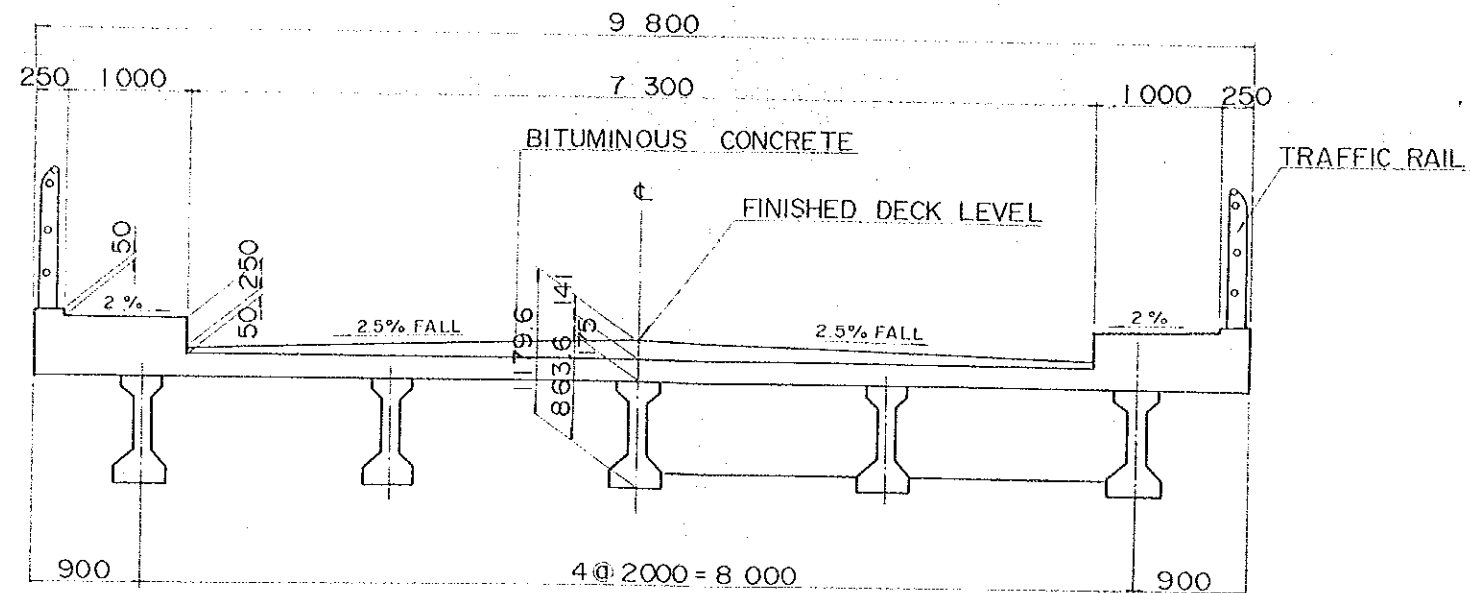


SAND FOUNDATION

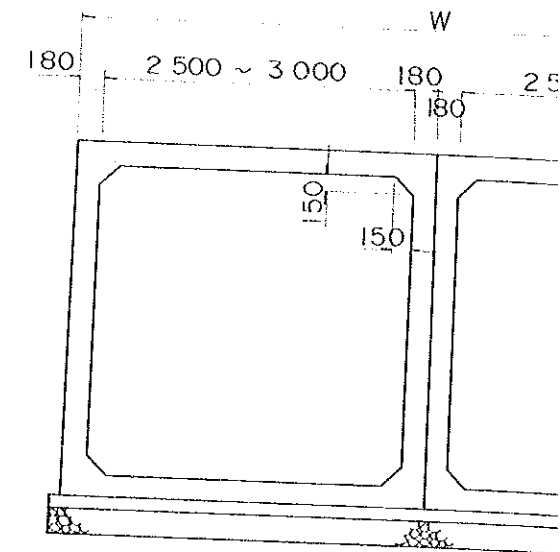
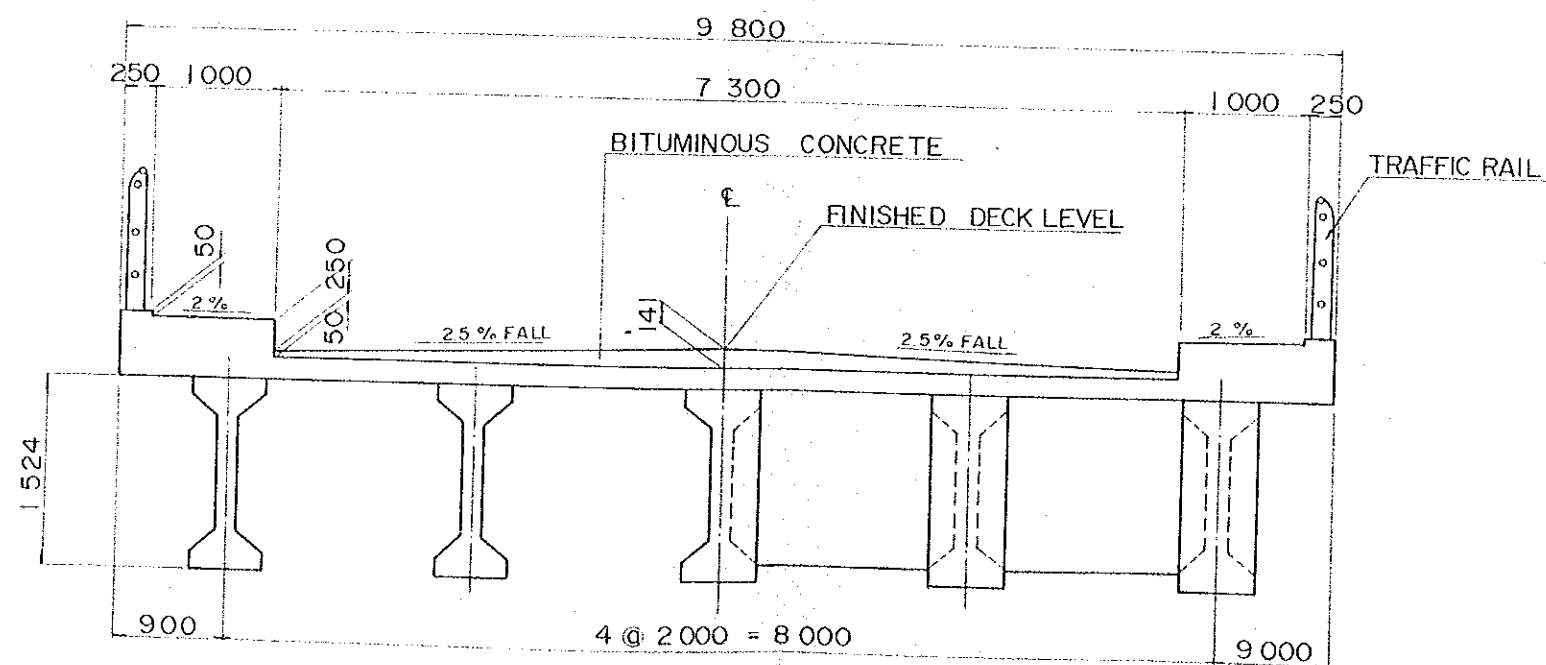
ø 1524mm



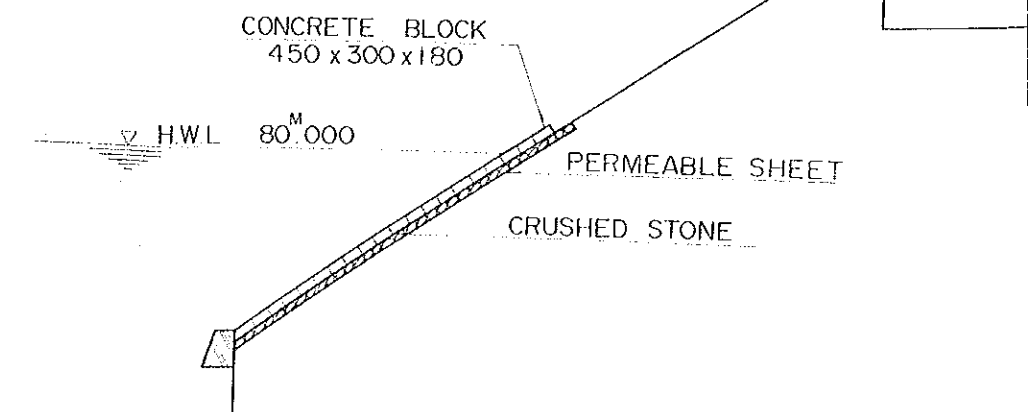
54 FEET BEAM BRIDGE

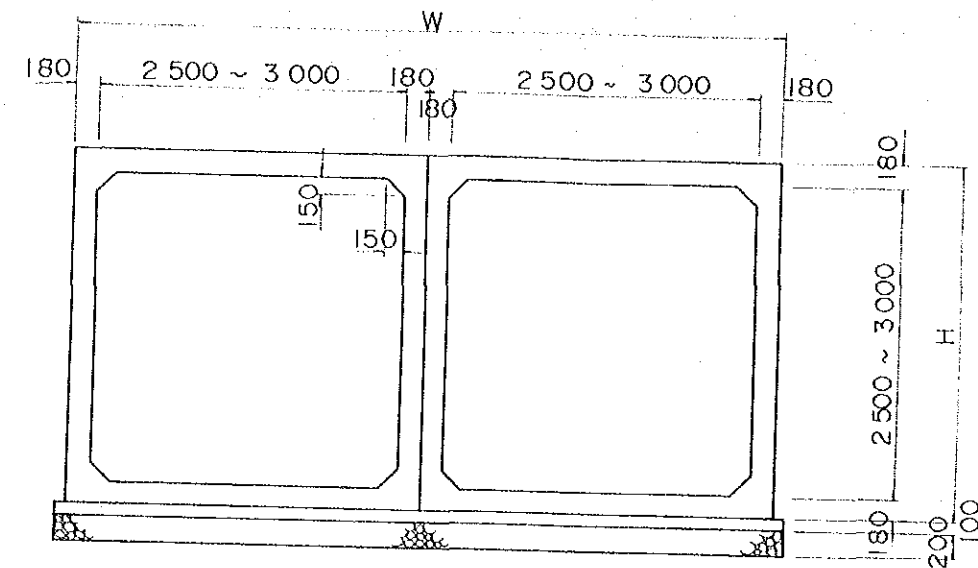


80. (90. 100) FEET BEAM BRIDGE

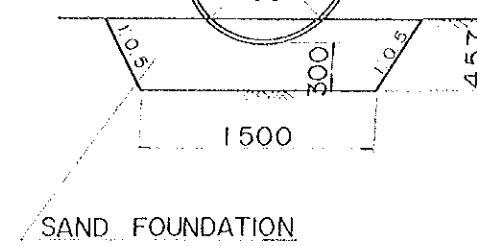
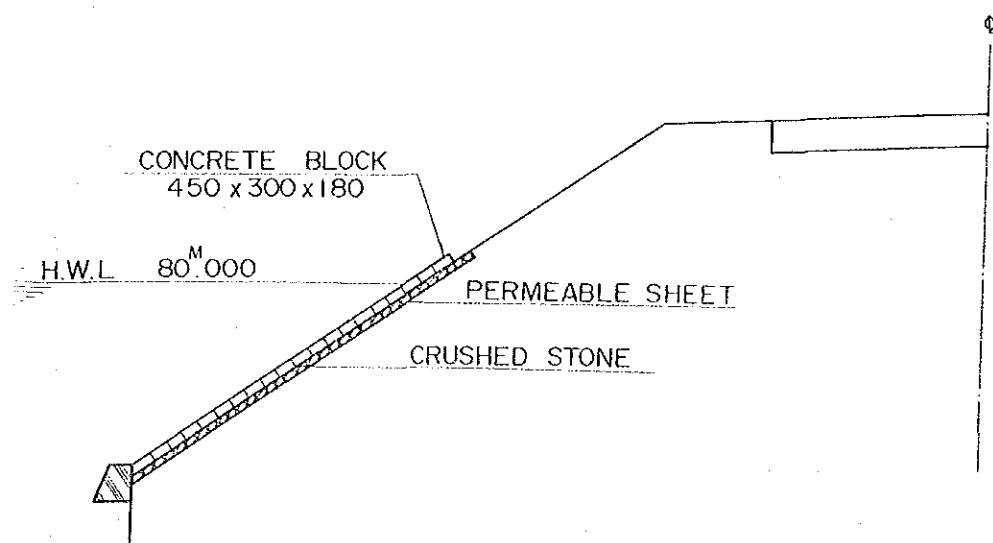


BLOCK MASO

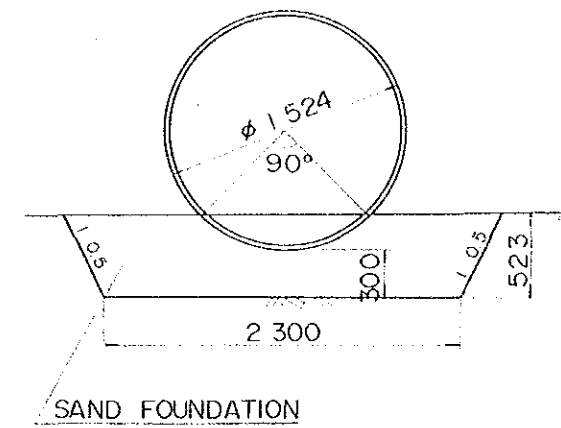




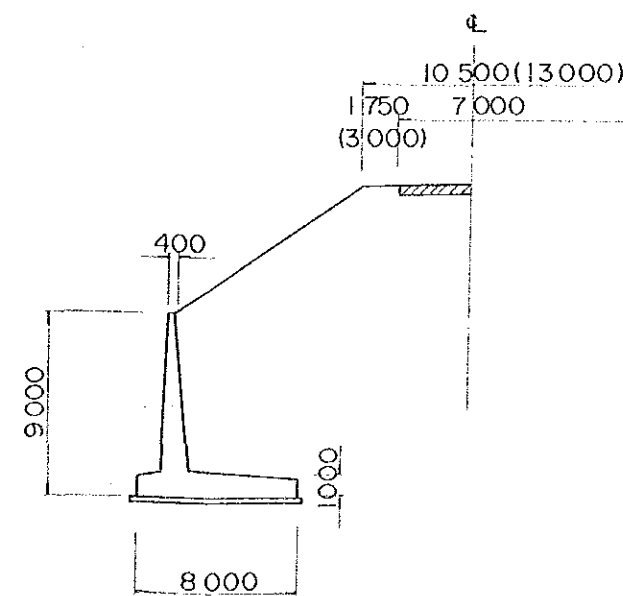
BLOCK MASONRY

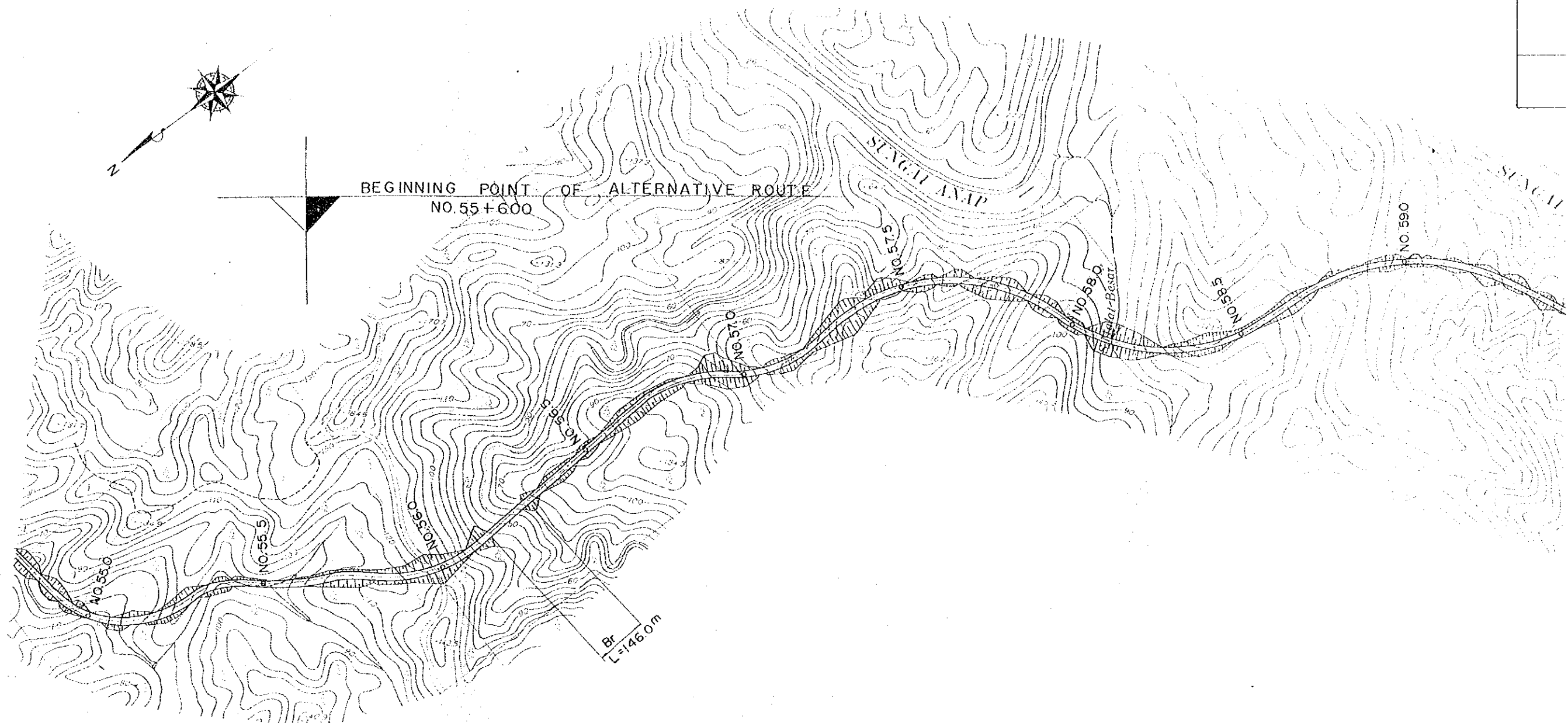


$\phi 1524$ mm



TYPICAL WALL SECTION
(REVERSED T-TYPE WALL)



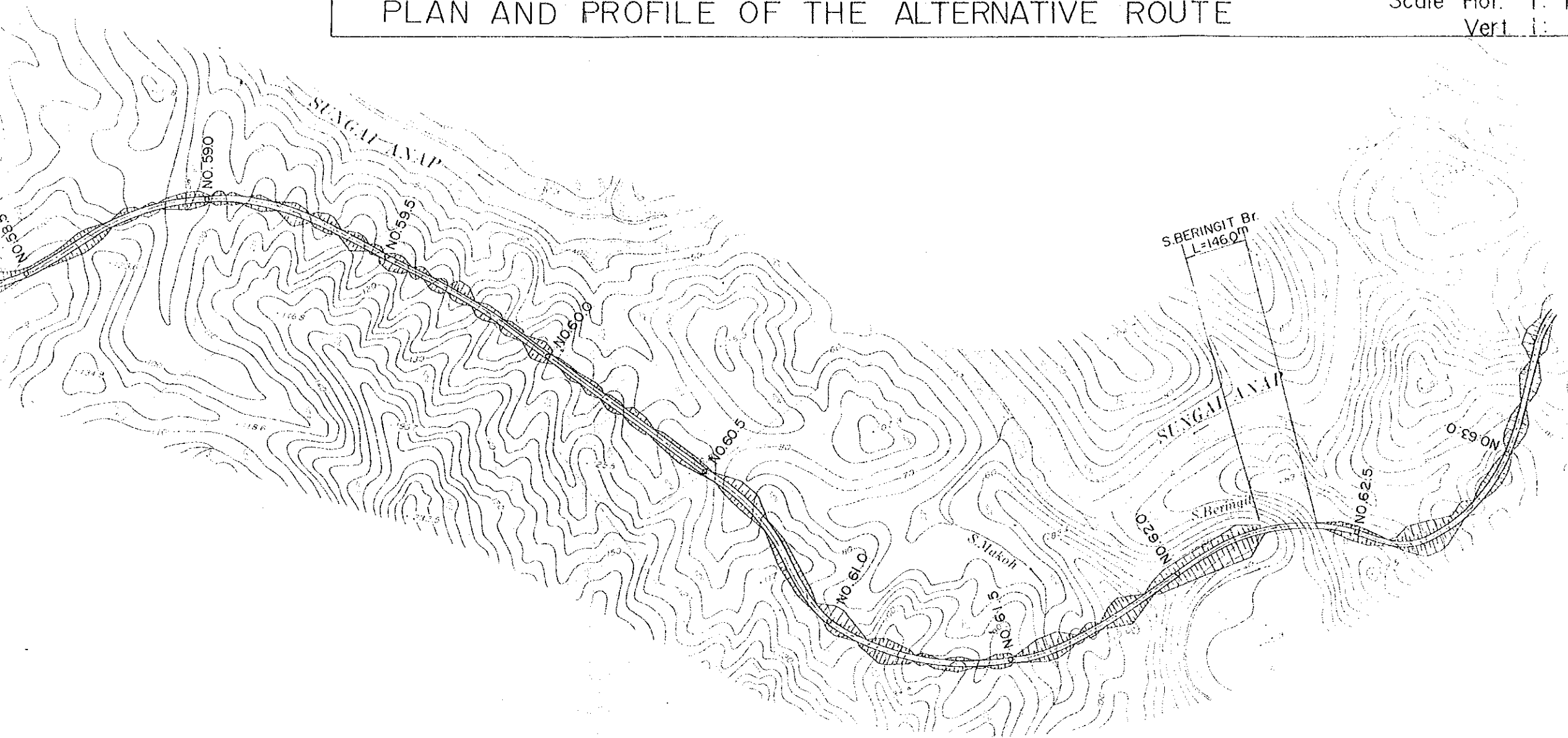


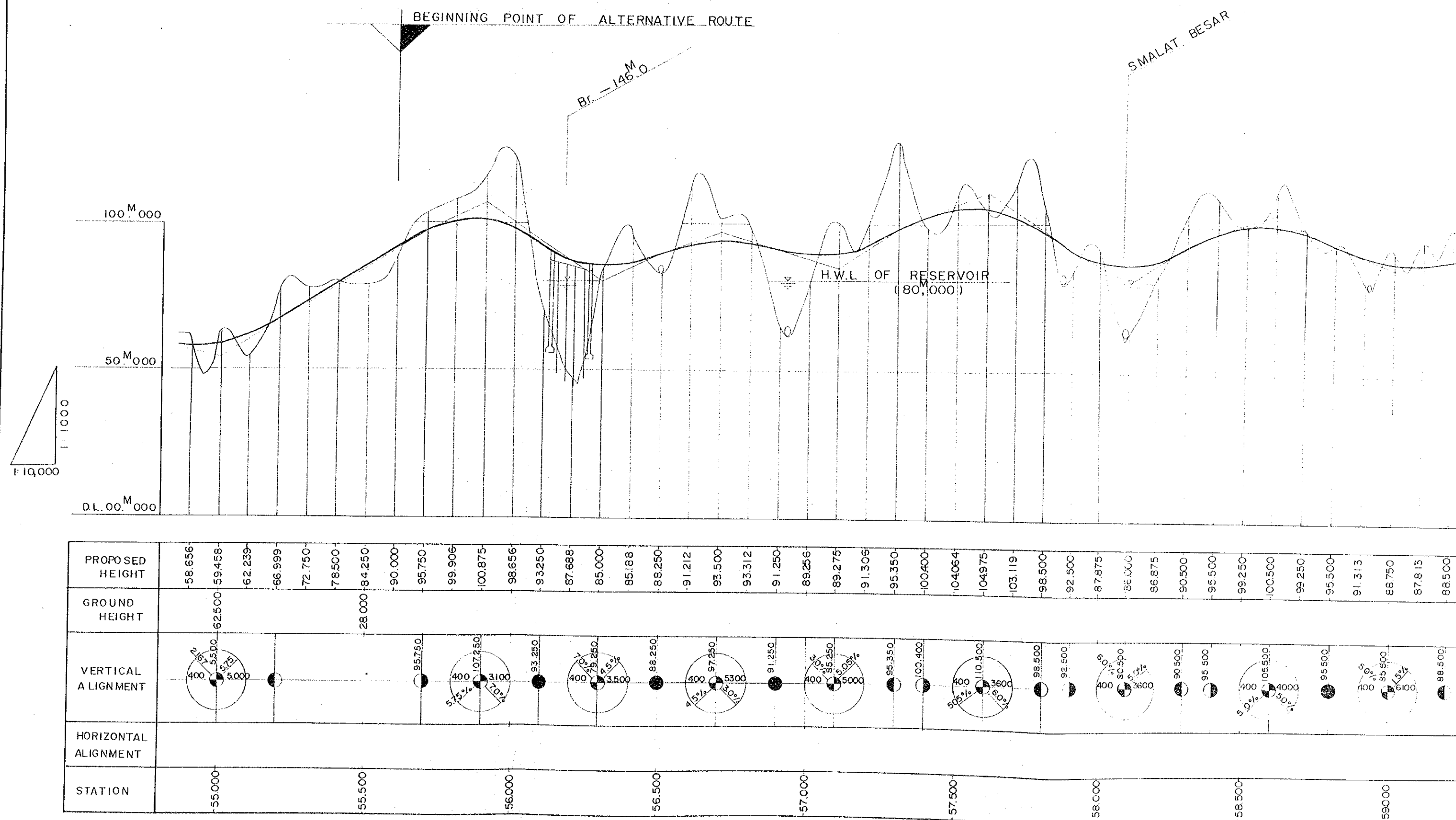
BEGINNING POINT OF ALTERNATIVE ROUTE

Br. — 146.0 M

SMALAT BESAR

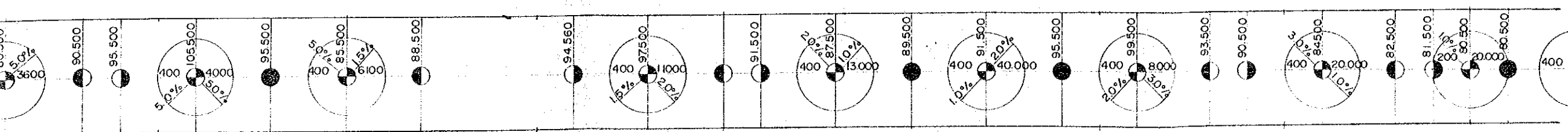
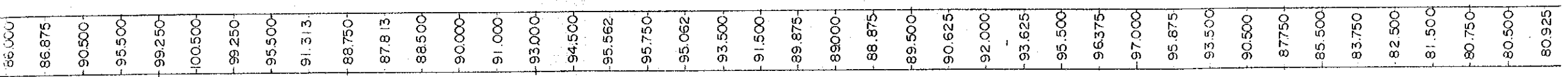
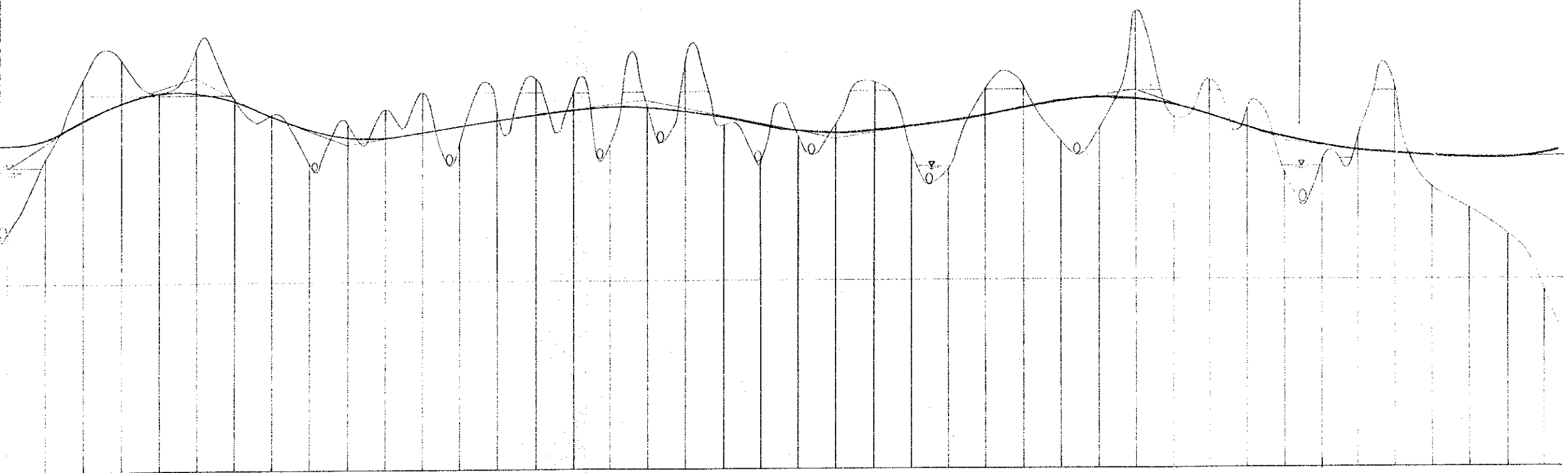
TATAU - KAPIT TRUNK ROAD PROJECT IN SARAWAK	SHEET No.	TOTAL SHEET
	4	9
PLAN AND PROFILE OF THE ALTERNATIVE ROUTE		Scale Hor. 1: 10,000 Vert. 1: 1,000





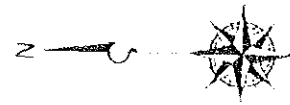
SMALAT BESAR

S. MAKOH



TATAU - KAPIT T

PLAN AND F



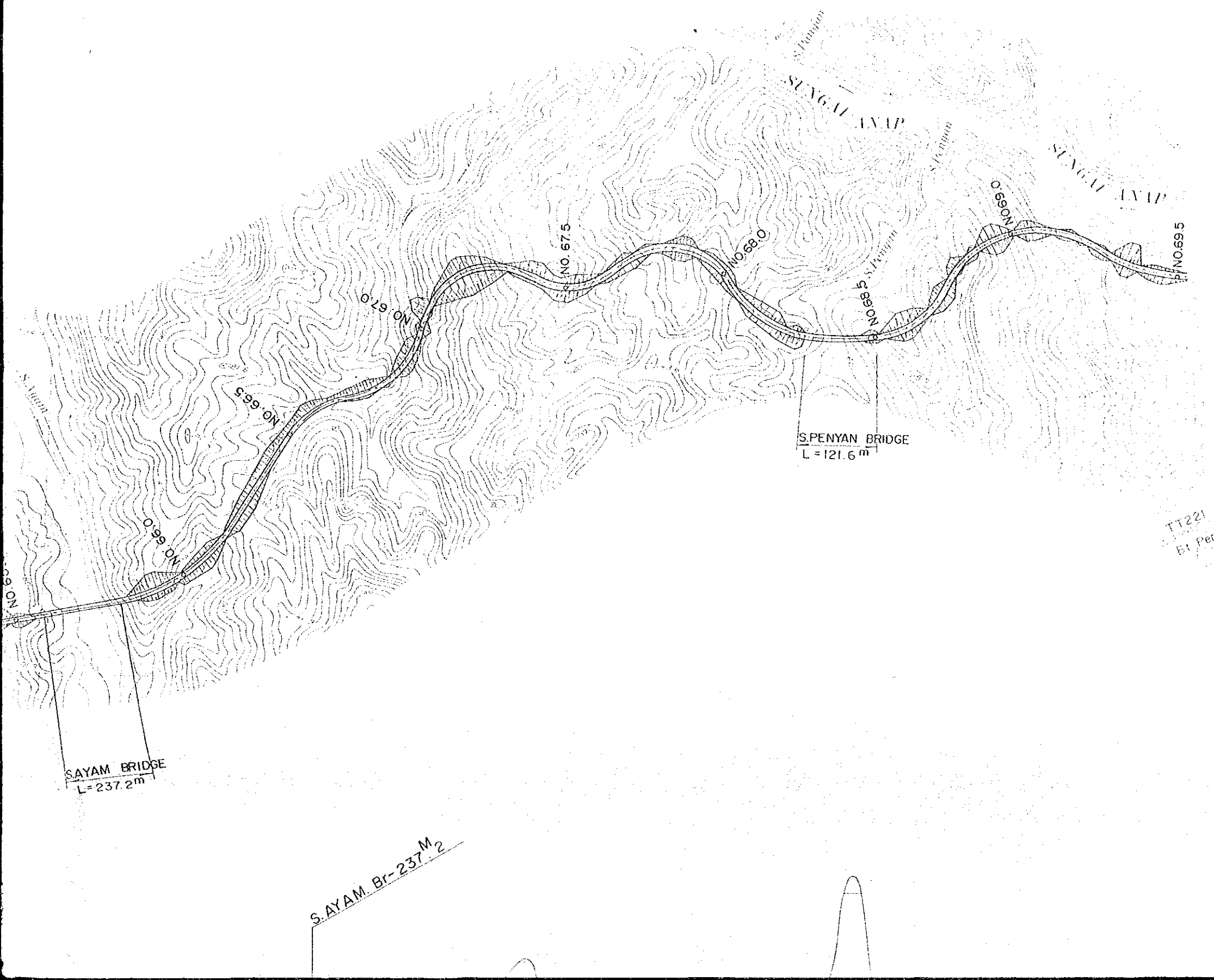
150 M 000

S. BERINGIT Br. - 146.0

S. BARONG

S. AYAM Br. - 237.2

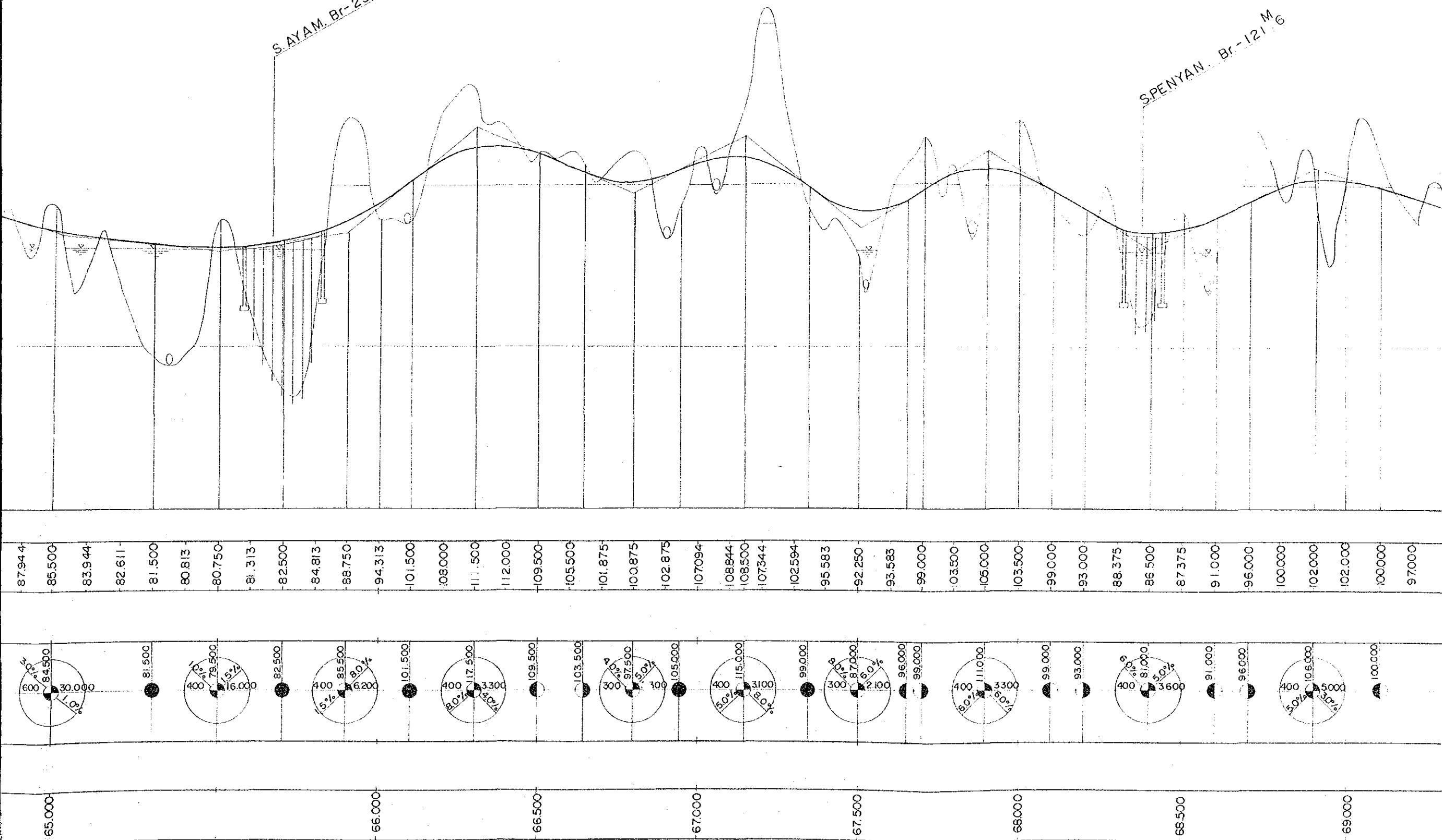
TATAU - KAPIT TRUNK ROAD PROJECT IN SARAWAK	SHEET No.	TOTAL SHEET
	5	9
PLAN AND PROFILE OF THE ALTERNATIVE ROUTE		Scale Hor. 1: 10,000 Vert. 1: 1,000



SAYAM BRIDGE
L=237.2m

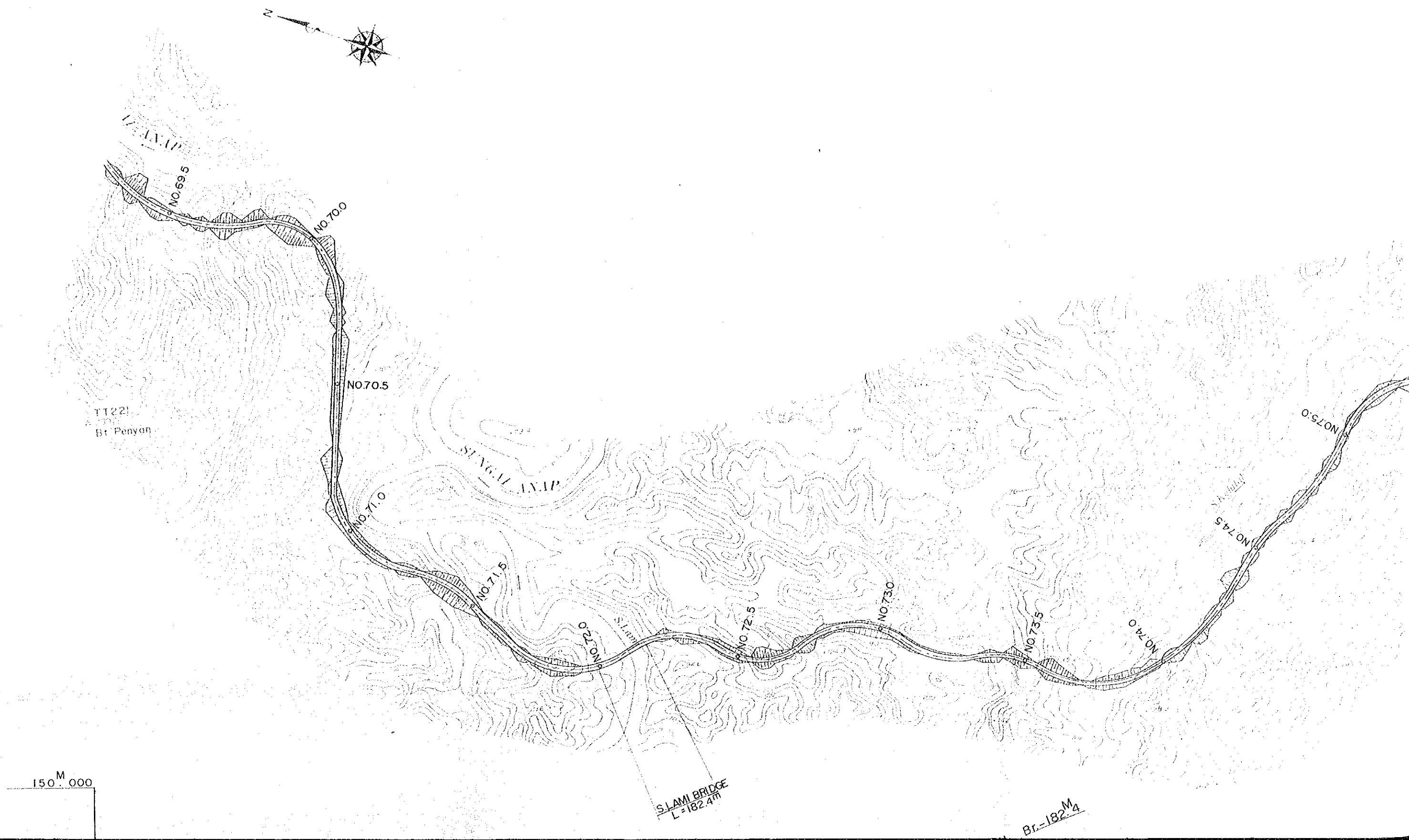
S. AYAM. Br-237M₂

SPENYAN. Br-121M₆



TATAU - KAPIT

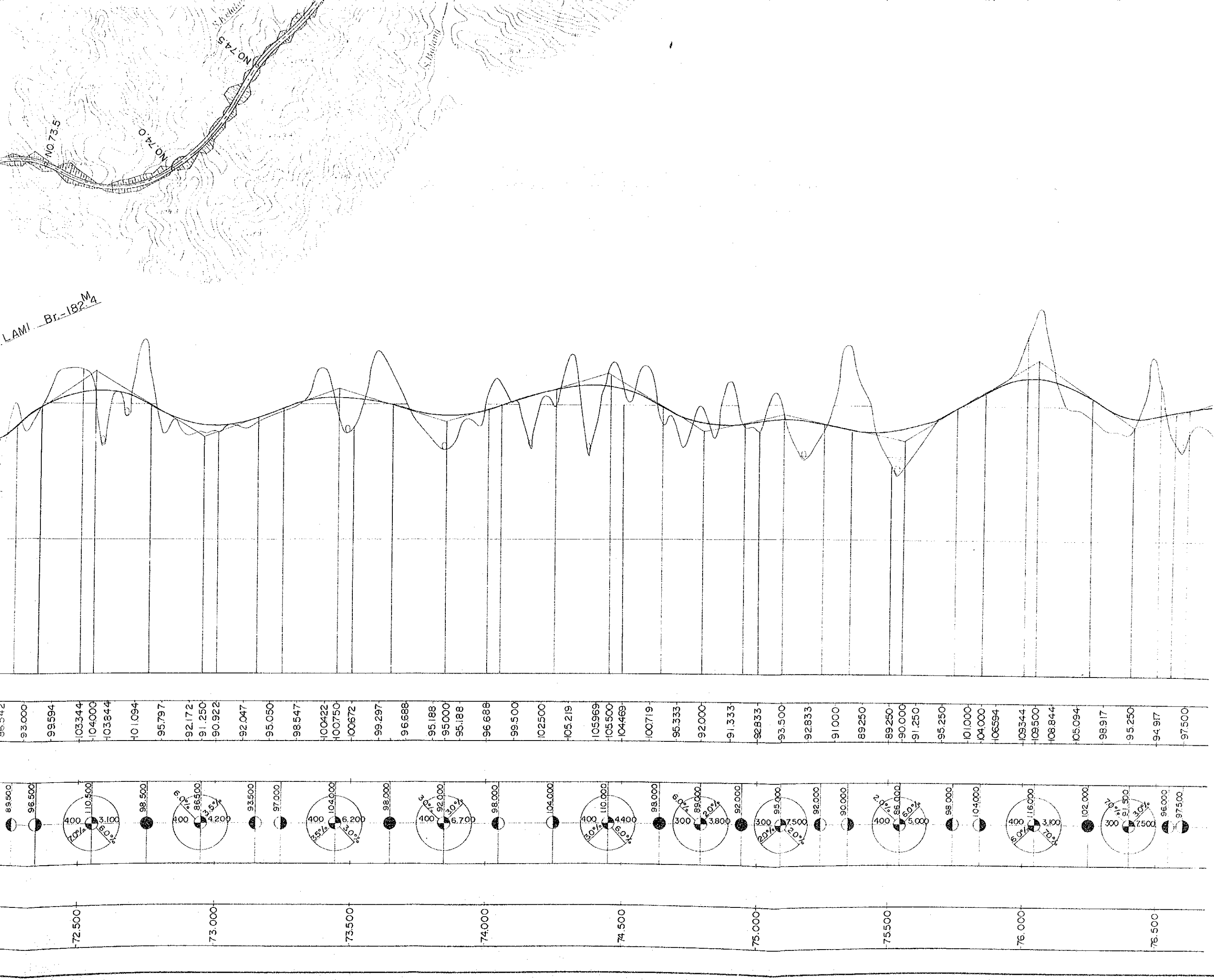
PLAN AND



TATAU - KAPIT TRUNK ROAD PROJECT IN SARAWAK	SHEET No.	TOTAL SHEET
	6	9
PLAN AND PROFILE OF THE ALTERNATIVE ROUTE		Scale Hor. 1: 10,000 Vert. 1: 1,000

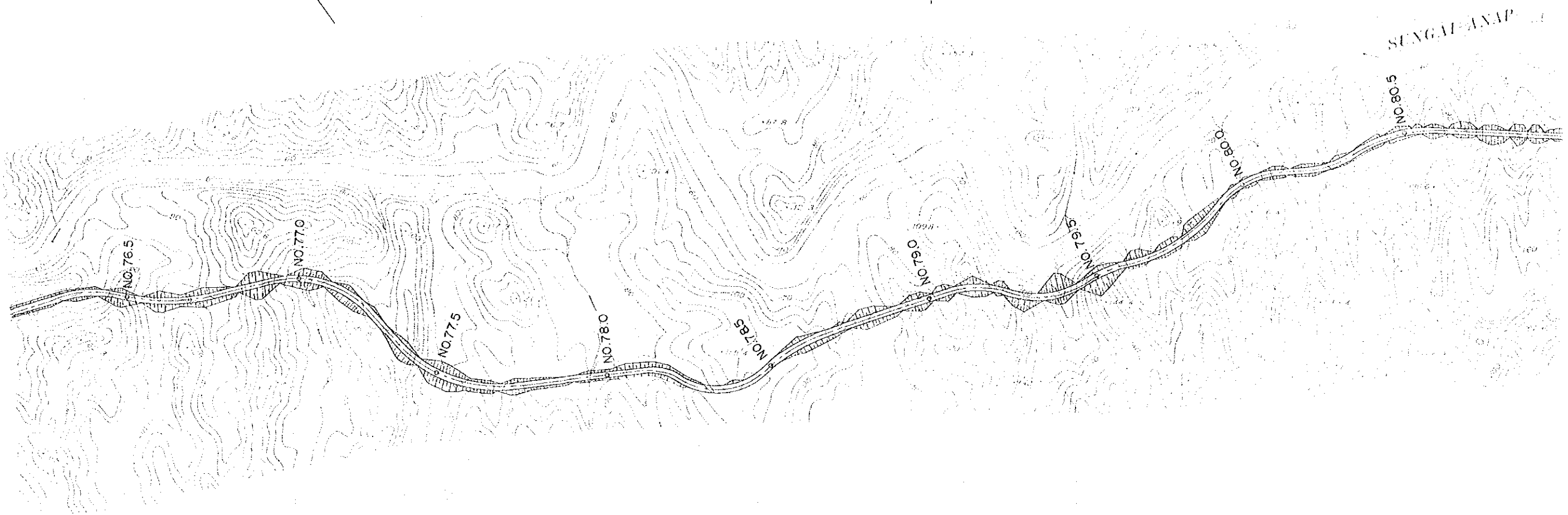
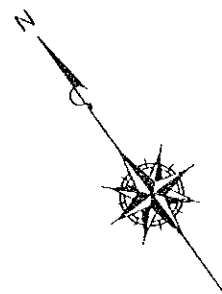


LAMI Br.-182.4

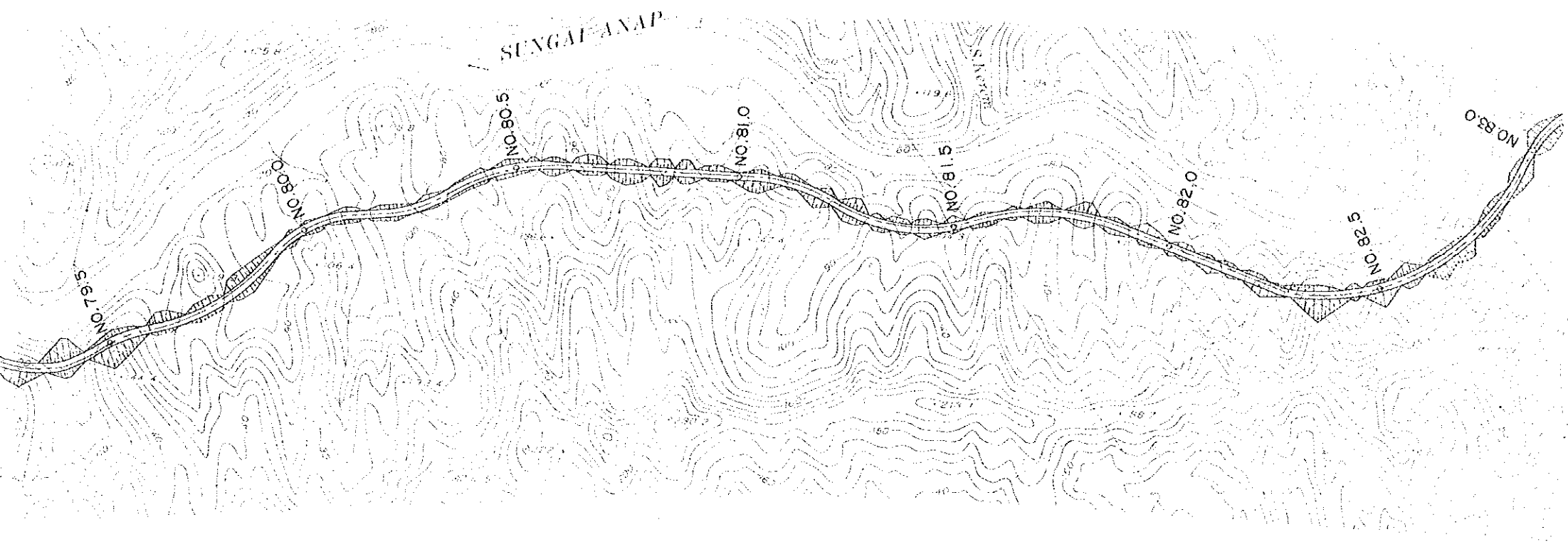


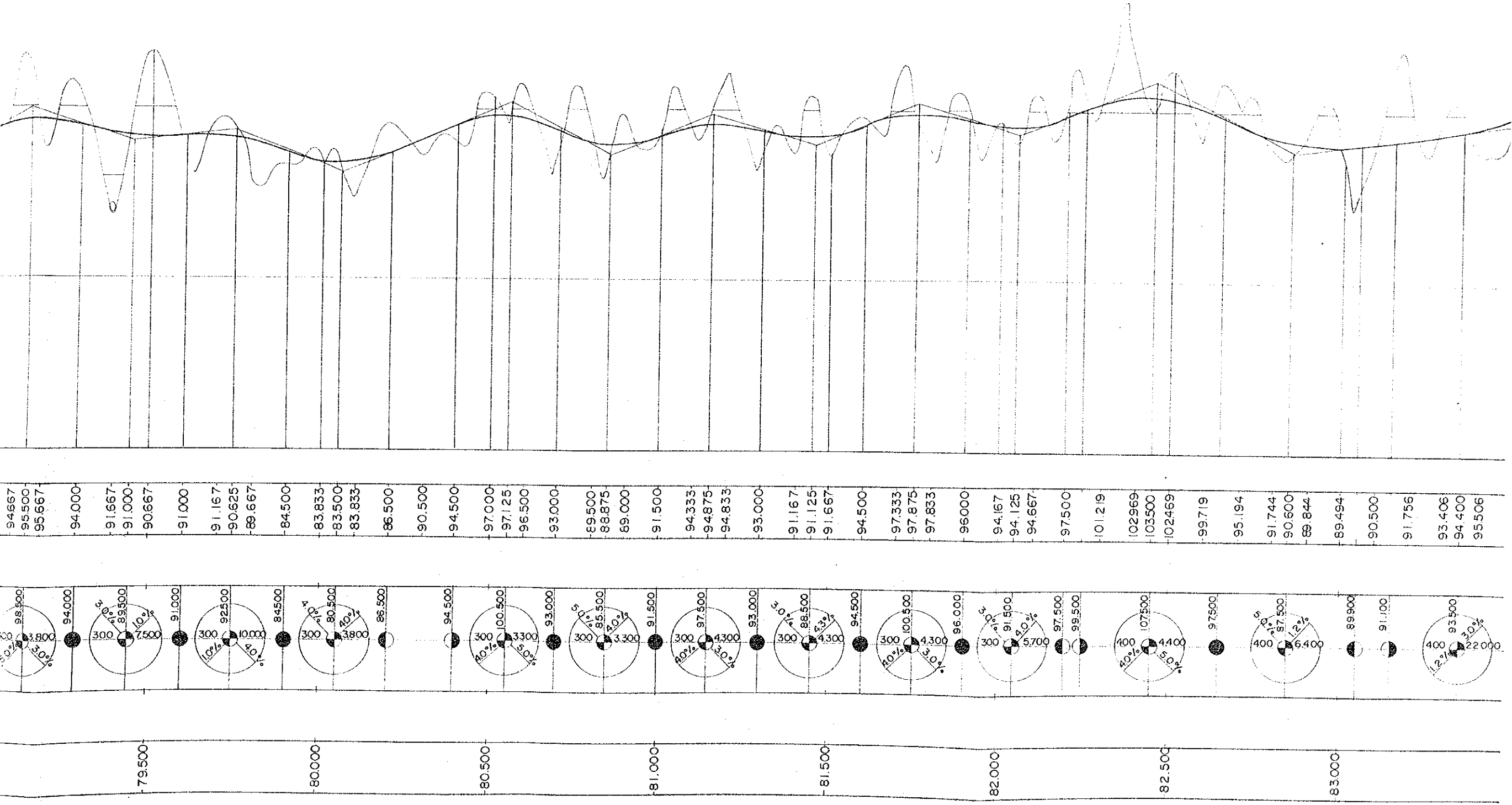
TATAU - KAPIT TRUI

PLAN AND PR



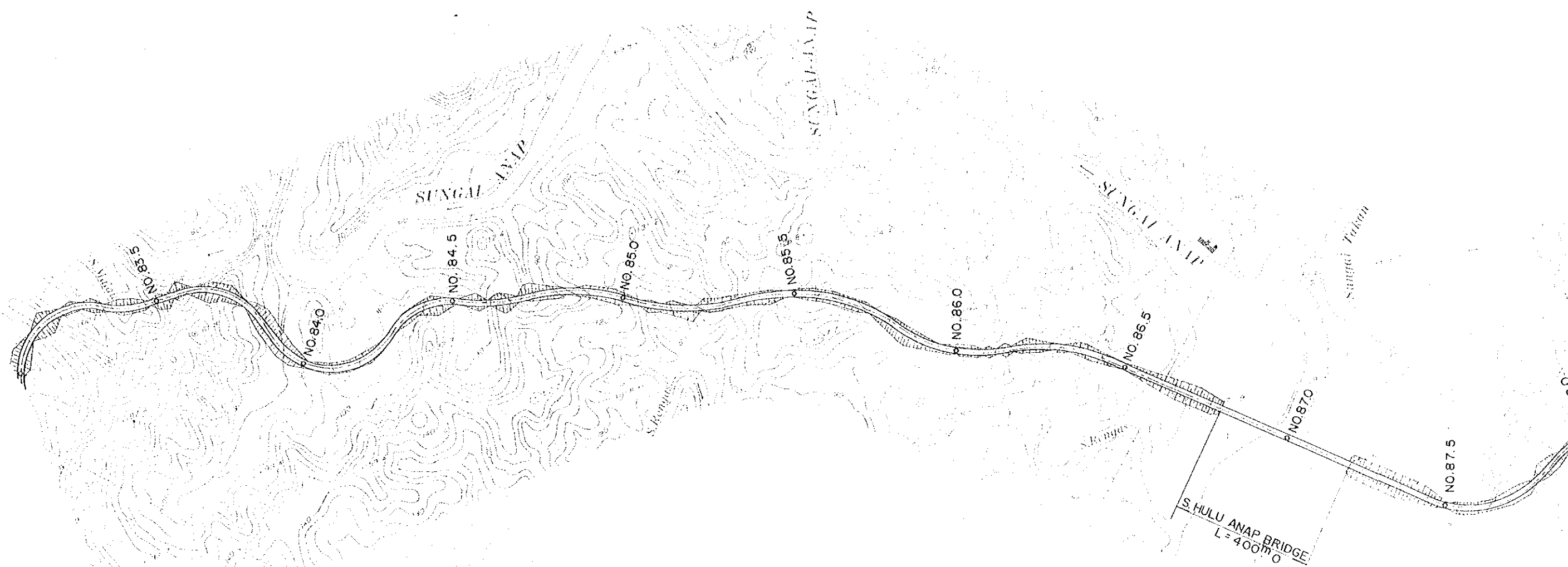
TATAU - KAPIT TRUNK ROAD PROJECT IN SARAWAK	SHEET No.	TOTAL SHEET
	7	9
PLAN AND PROFILE OF THE ALTERNATIVE ROUTE		Scale Hor. 1: 10,000 Vert. 1: 1,000





TATAU -- KAPIT

PLAN AND



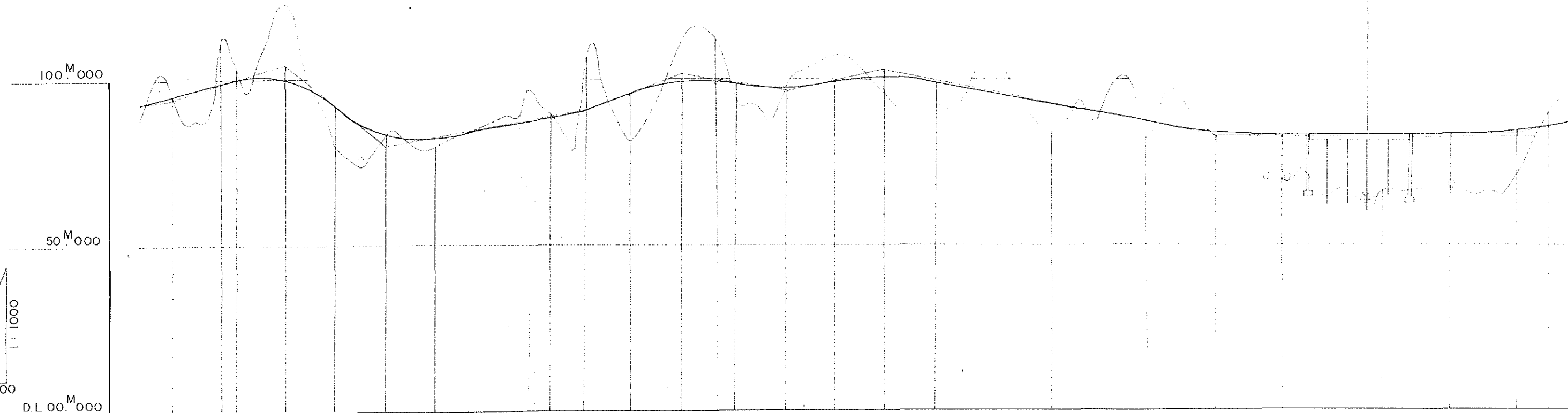
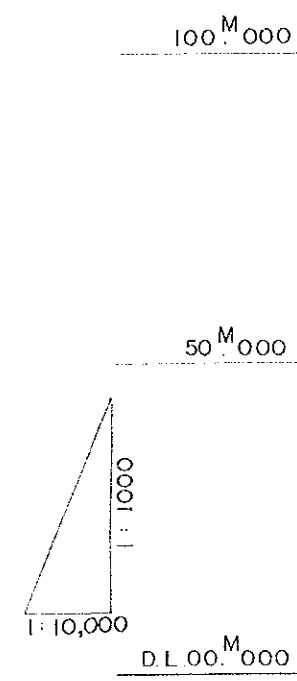
S HULU ANAP Br - 400.0 M

TATAU - KAPIT TRUNK ROAD PROJECT IN SARAWAK	SHEET No.	TOTAL SHEET
	8	9
PLAN AND PROFILE OF THE ALTERNATIVE ROUTE		Scale Hor. 1: 10,000 Vert. 1: 1,000



S. HULU ANAP BRIDGE
L=400m

S. HULU ANAP Br.- 400.0

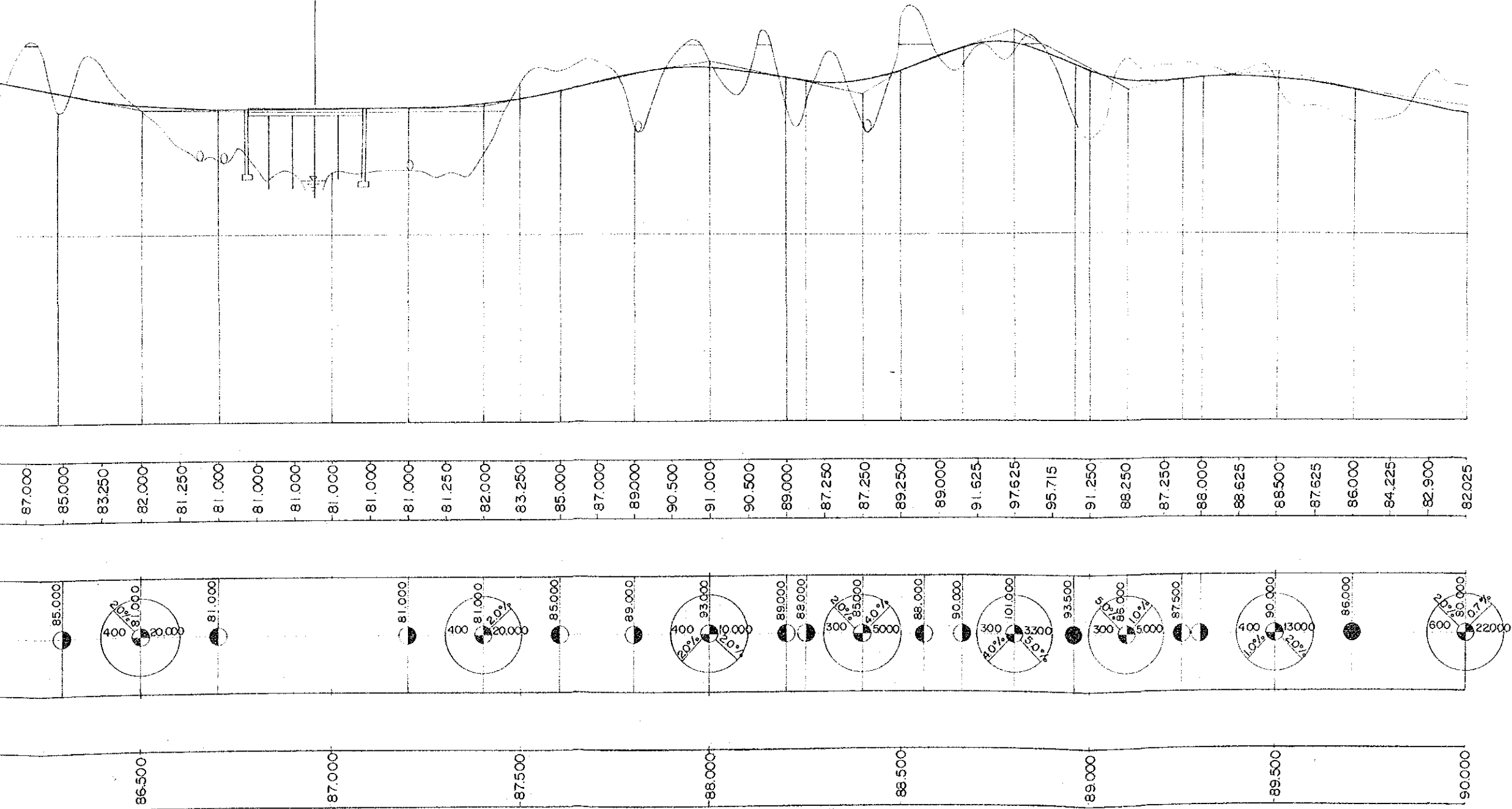


PROPOSED HEIGHT	93.406	94.400	95.506	98.056	100.542	99.875	95.542	88.396	83.363	81.896	83.000	84.500	86.000	87.604	89.938	93.104	96.750	98.750	98.750	97.167	96.500	97.167	98.833	99.500	98.833	97.000	95.000	93.000	91.000	89.000	87.000	85.000	83.250	82.000	81.250	81.000	81.000	81.000	81.000	81.000	81.250	82.000	83.250																																																																																																																																																																																																										
GROUND HEIGHT																																																																																																																																																																																																																																																					
VERTICAL ALIGNMENT																																																																																																																																																																																																																																																					

S. HULU ANAP BRIDGE
L = 400m

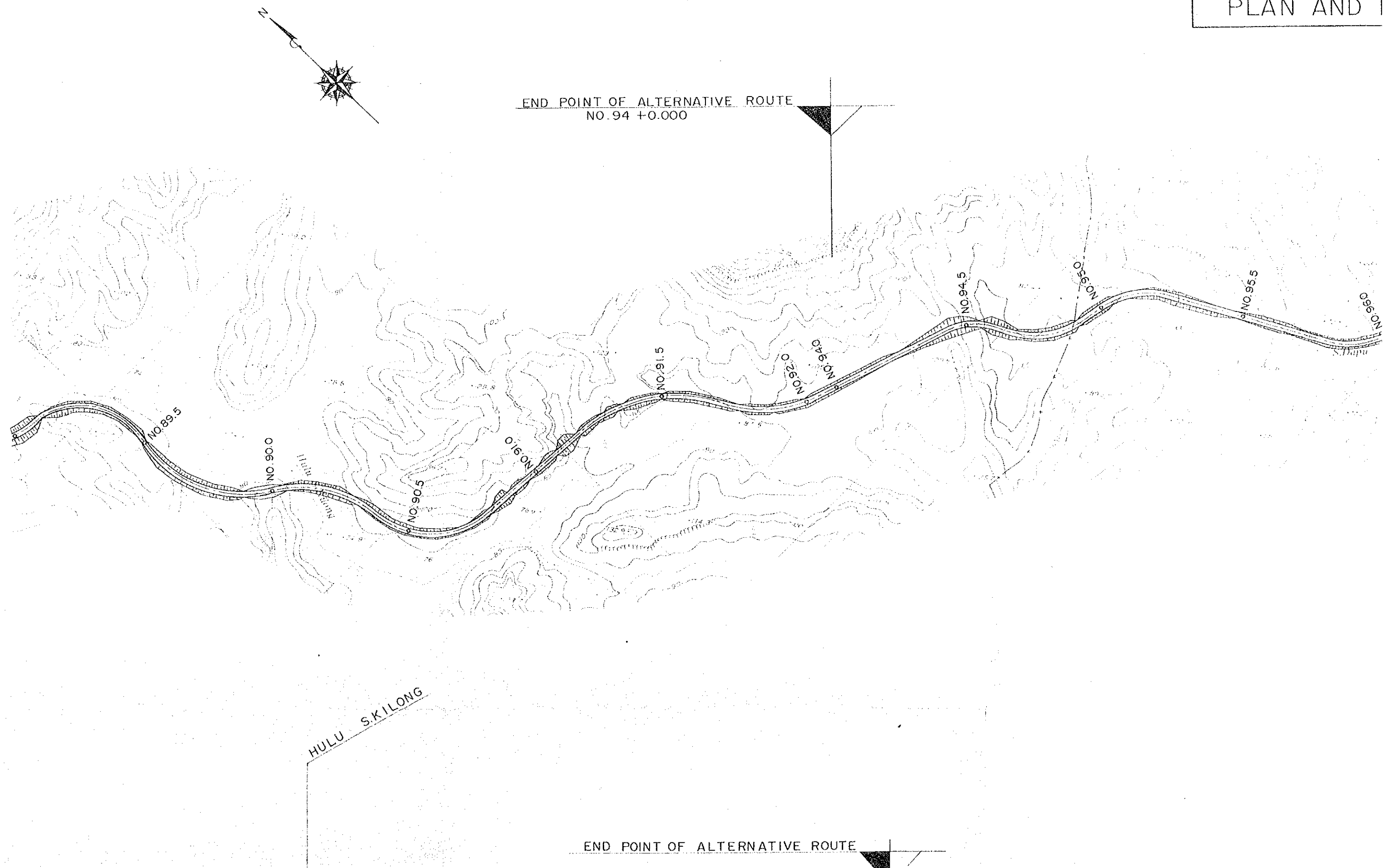
5.28 ON

S.HULU ANAP Br.- 400.0^M



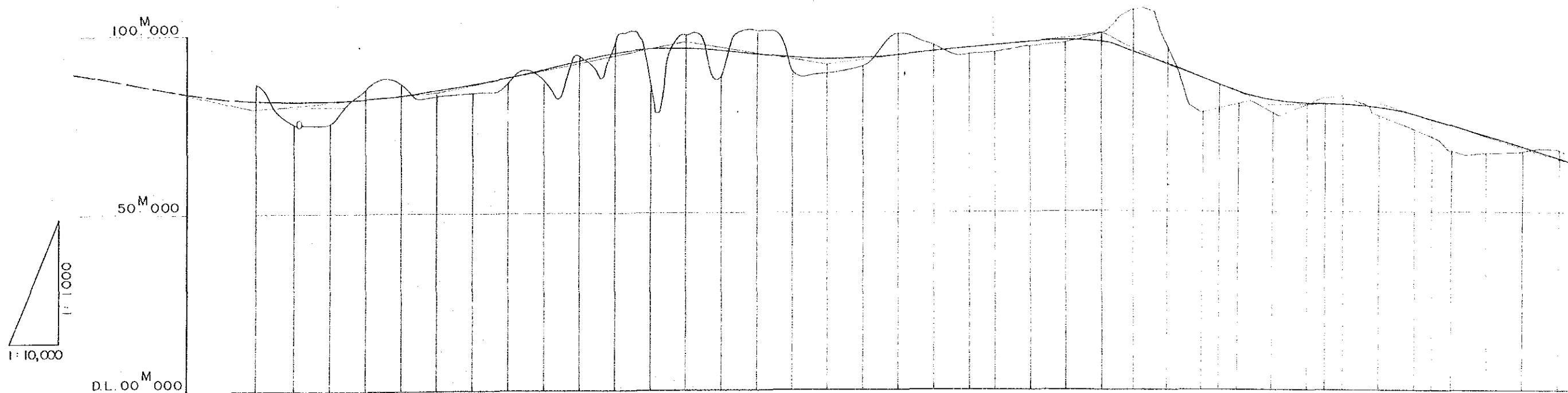
TATAU - KAPIT 1

PLAN AND

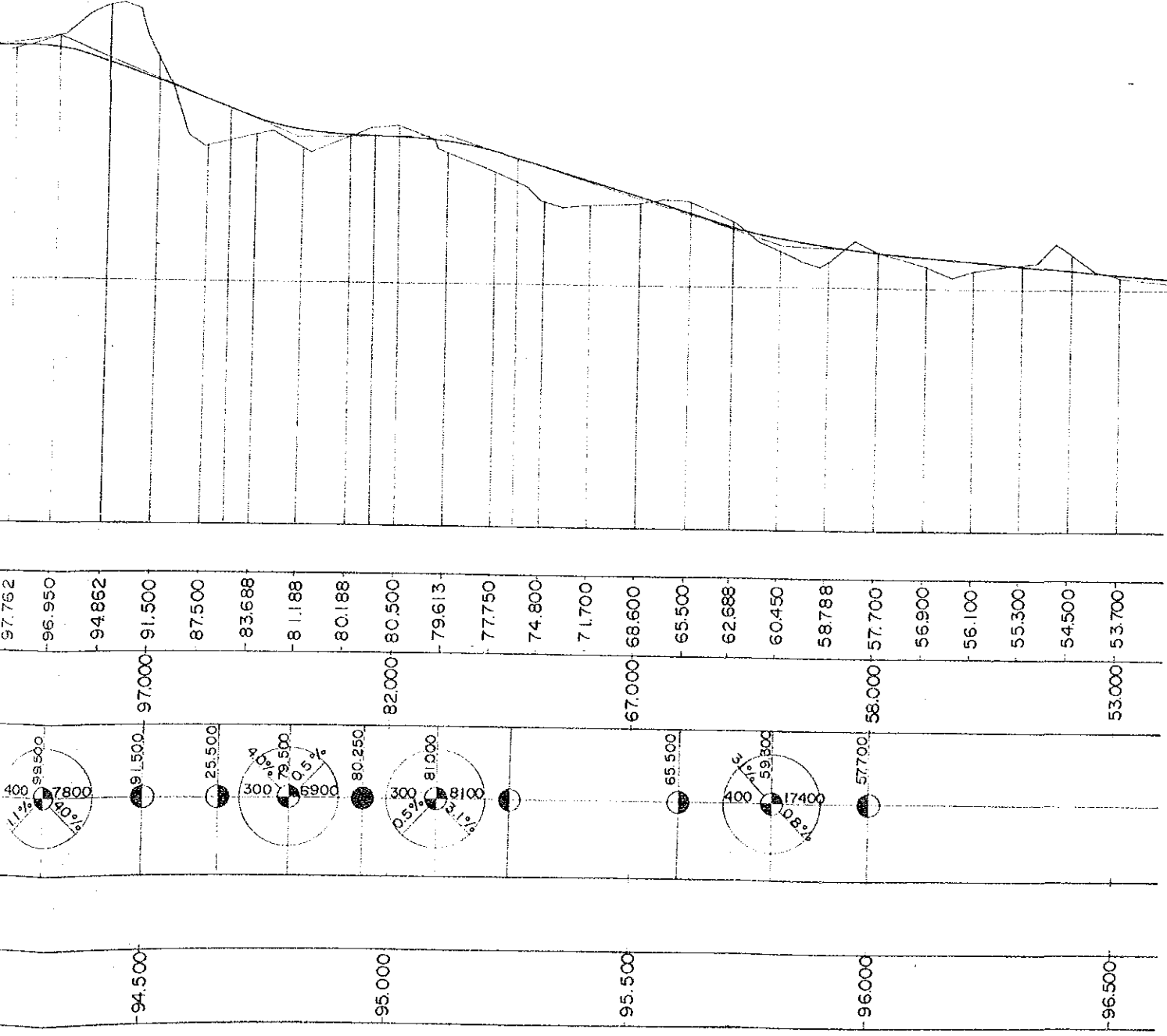


HULU 5 KILONG

END POINT OF ALTERNATIVE ROUTE



PROPOSED HEIGHT	82.025	81.600	81.615	82.100	82.963	84.150	85.663	87.500	89.500	91.500	93.500	95.143	95.750	95.562	94.500	93.313	92.750	92.813	93.500	94.500	95.500	96.200	97.300	97.762	96.950	94.862	91.500	87.500	83.688	81.188	80.188	80.500	79.613	77.750	74.800	71.700	68.600	65.500					
GROUND HEIGHT																						94.700						97.000					82.000					67.000					
VERTICAL ALIGNMENT																																											
HORIZONTAL ALIGNMENT																																											
STATION	90.000					90.500					91.000					91.500					92.000	94.000					94.500						95.000					95.500					



JICA