

Appendix 13

FUTURE FARM INCOMES

TABLE 13A-1
1 of 2

Table 13A-1 FUTURE FARM INCOMES WITH AND WITHOUT PROJECT (1)

(1) UNIT CROP INCOME FOR FARMERS

	Without Project					With Project				
	Paragate Price (B/kg)	Average Yield (kg/rai)	Gross Benefit (B/rai)	Production Cost (B/rai)	Net Benefit (B/rai)	Paragate Price (B/kg)	Average Yield (kg/rai)	Gross Benefit (B/rai)	Production Cost (B/rai)	Net Benefit (B/rai)
Paddy										
N/P	2.42	330	799	503	296	2.42	350	847	529	318
C	2.42	290	702	470	232	2.42	310	750	494	256
Maize										
N/P	1.62	330	535	410	125	1.70	345	587	426	161
C	1.55	295	457	338	119	1.63	320	522	359	163
Mung beans										
N/P	4.7	130	611	445	166	4.72	140	661	460	201
C	4.65	130	605	460	145	4.67	140	654	475	179
Cassava										
C	0.55	2,090	1,150	555	595	0.59	3,100	1,829	780	1,049
Kenaf										
C	3.1	250	775	535	240	3.1	250	775	535	240
Soybeans										
N/P	4.6	180	828	420	408	4.62	180	832	420	412
C	4.5	175	788	440	348	4.52	175	791	440	351
Groundnut										
N/P	5.4	185	999	795	204	5.44	185	1,006	795	211
C	5.3	190	1,007	815	192	5.34	190	1,015	815	200
Sorghum										
N/P	1.45	230	334	215	119	1.45	230	334	215	119
C	1.4	200	280	220	60	1.4	200	280	220	60
Cotton										
N/P	8.0	225	1,800	980	820	8.0	225	1,800	980	820
C	7.8	220	1,716	1,000	716	7.8	220	1,716	1,000	716

Table 13A-1 FUTURE FARM INCOMES WITH AND WITHOUT PROJECT (2)

(2) ANNUAL CROP INCOME OF TYPICAL FARM IN 1998 (at 1978 constant price)

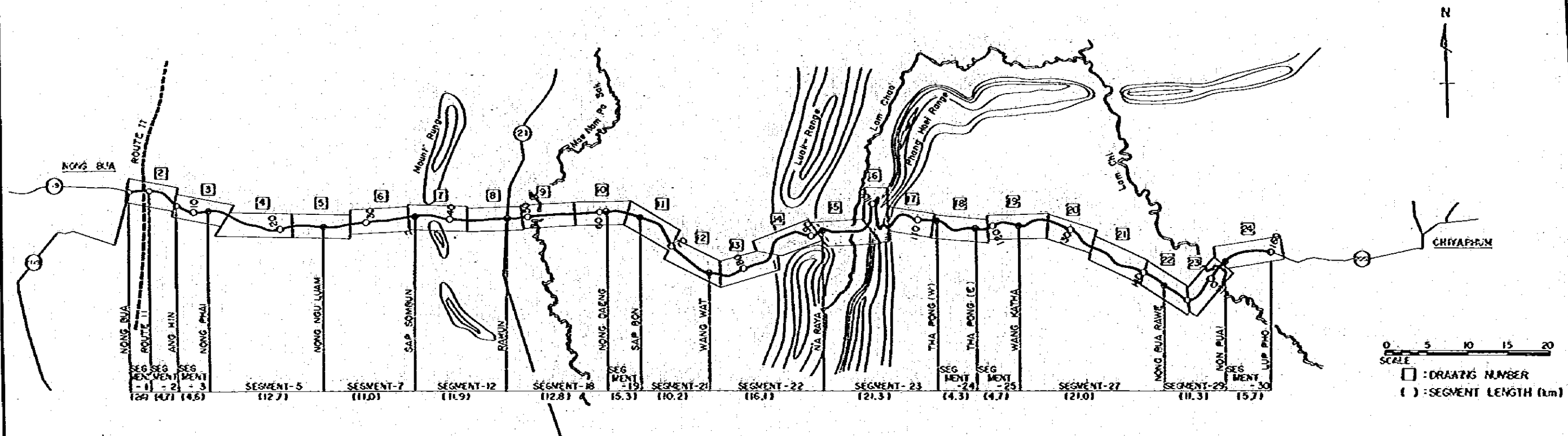
Farm Type	Without Project				With Project			
	N/P		C		N/P		C	
	Cultivated Area (rai)	Net Crop Income (B)	Cultivated Area (rai)	Net Crop Income (B)	Cultivated Area (rai)	Net Crop Income (B)	Cultivated Area (rai)	Net Crop Income (B)
1. Paddy Farm								
Paddy	24	7,104	19	4,408	24	7,632	20	5,120
Mung beans	1	166			2	402		
Other crops ^{/1}	1	235	1	225	1	240	1	230
Total	26	7,505	20	4,633	27	8,274	21	5,350
2. Maize Farm								
Maize	23	2,875	17	2,023	23	3,703	18	2,934
Mung beans	3	498	(Kenaf) 2	480	4	804	(Kenaf) 2	480
Other crops ^{/1}	1	235	2	450	2	480	3	690
Total	27	3,608	21	2,953	29	4,987	23	4,104
3. Cassava & Kenaf Farm								
Cassava			7	4,165			8	8,392
Kenaf			8	1,920			7	1,680
Other crops ^{/2}			5	1,125			5	1,150
Total			20	7,210			20	11,222

Note:

/1 Other crops include soybeans, groundnuts, sorghum, sesame, cotton and vegetables.

/2 Include upland crops other than cassava and kenaf.

PART II
DRAWINGS

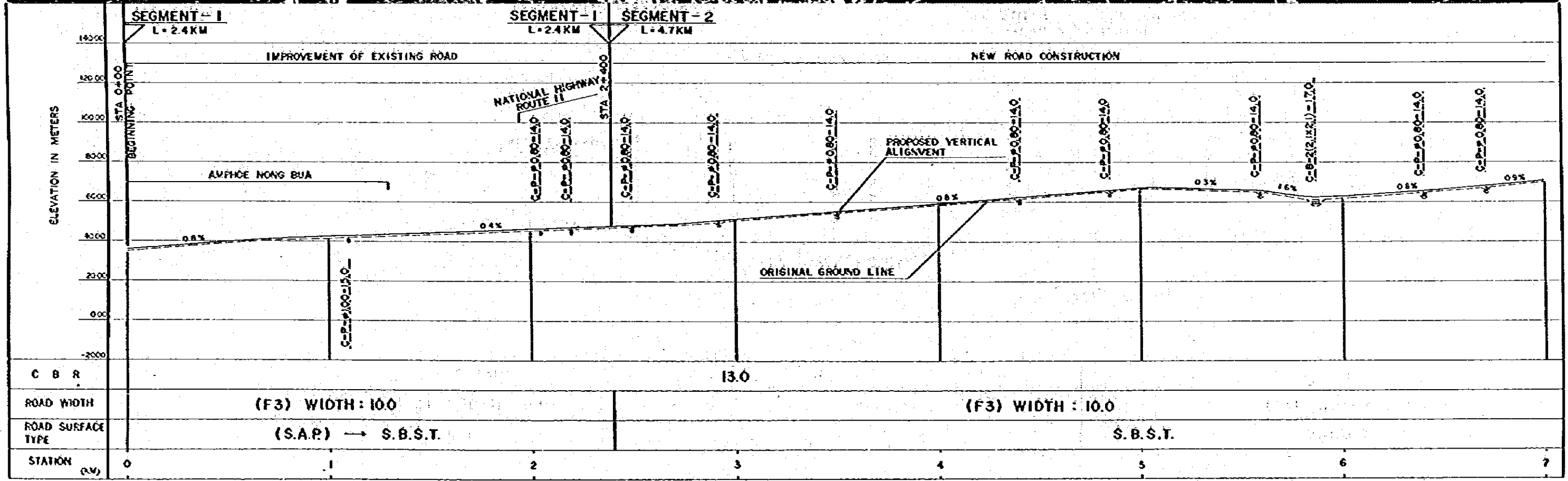


ABBREVIATIONS

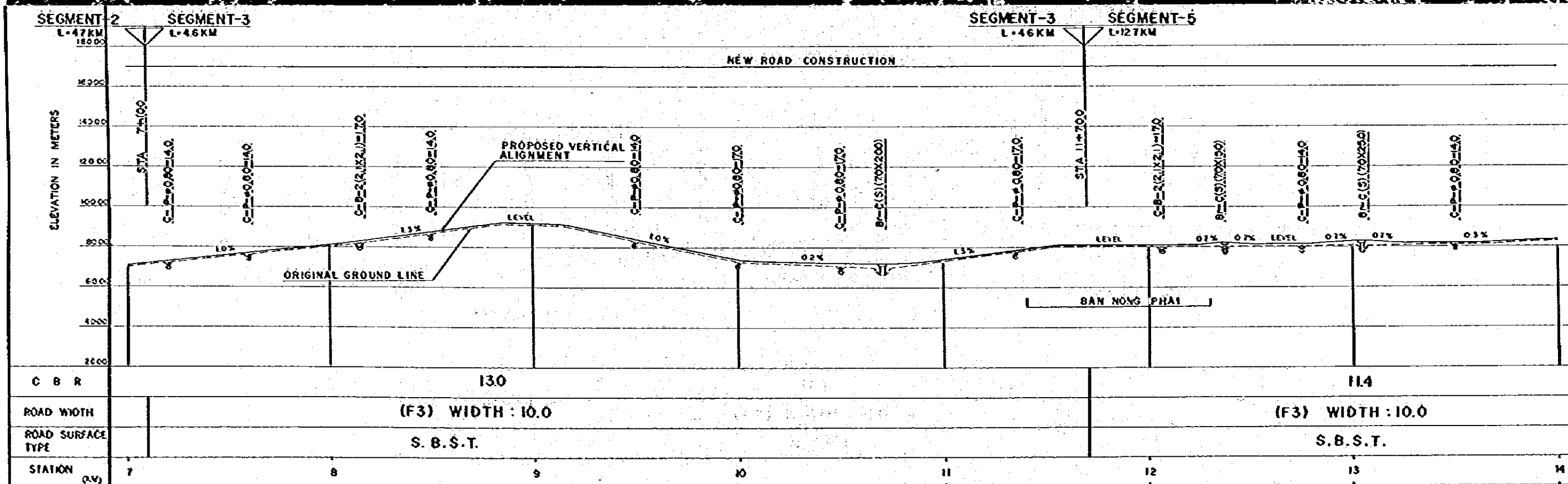
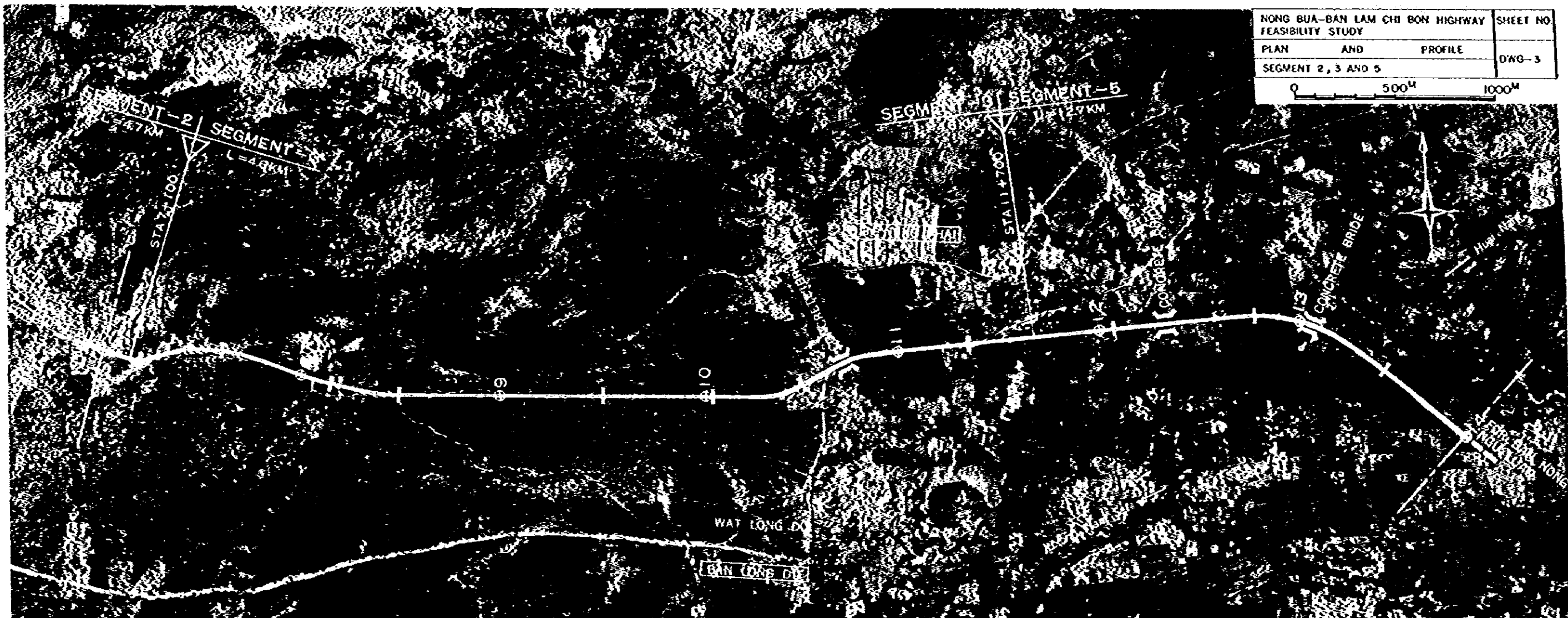
INDEX OF DRAWINGS	SHEET NUMBER
COVER SHEET	DWG - 1
PLAN AND PROFILE	DWG - 2 ~ DWG - 24
TYPICAL CROSS SECTION (EXISTING ROAD SECTION)	DWG - 25
TYPICAL CROSS SECTION (NEW ROAD SECTION)	DWG - 26
TYPICAL PAVEMENT STRUCTURE	DWG - 27
STANDARD BRIDGE	DWG - 28
STANDARD BOX CULVERT	DWG - 29
STANDARD PIPE CULVERT	DWG - 30
DIAGRAMATIC LAYOUTS OF INTERSECTIONS	DWG - 31

- (SAP) SOIL AGGREGATE PAVEMENT (EXISTING CONDITION)
- S.B.S.T. SINGLE BITUMINOUS SURFACE TREATMENT
- C-P-a₀-l (l) EXISTING PIPE CULVERT, a (ROW), d₀ (DIAMETER, M), l (LENGTH, M), (l) (EXTENSION LENGTH, M)
- C-B-a (a x b) - l EXISTING BOX CULVERT, a (NOS. OF TUBE), a x b (LATERAL x VERTICAL, M), l (LENGTH, M)
- Br-T (a - l) (n) EXISTING TIMBER BRIDGE, a x l (WIDTH x LENGTH, M), n (NOS. OF SPAN)
- Br-C (a x l) (n) EXISTING CONCRETE BRIDGE, a x l (CARRIAGE WAY WIDTH x LENGTH, M), n (NOS. OF SPAN)
- Br-Cs (a x l) (n @ s) PROPOSED CONCRETE SLAB BRIDGE, a x l (CARRIAGE WAY WIDTH x LENGTH, M), n @ s (NOS. OF SPAN @ SPAN LENGTH, M)
- C-P-a₀-l PROPOSED PIPE CULVERT, a (ROW), d₀ (DIAMETER, M), l (LENGTH, M)
- C-B-a (a x b) - l PROPOSED BOX CULVERT, a (NOS. OF TUBE), a x b (LATERAL x VERTICAL, M), l (LENGTH, M)
- RAISING UP (HLL) RAISING UP OF EXISTING ROAD FORMATION, H (HEIGHT OF RAISING UP, M), L (LENGTH OF RAISING UP SECTION, KM)

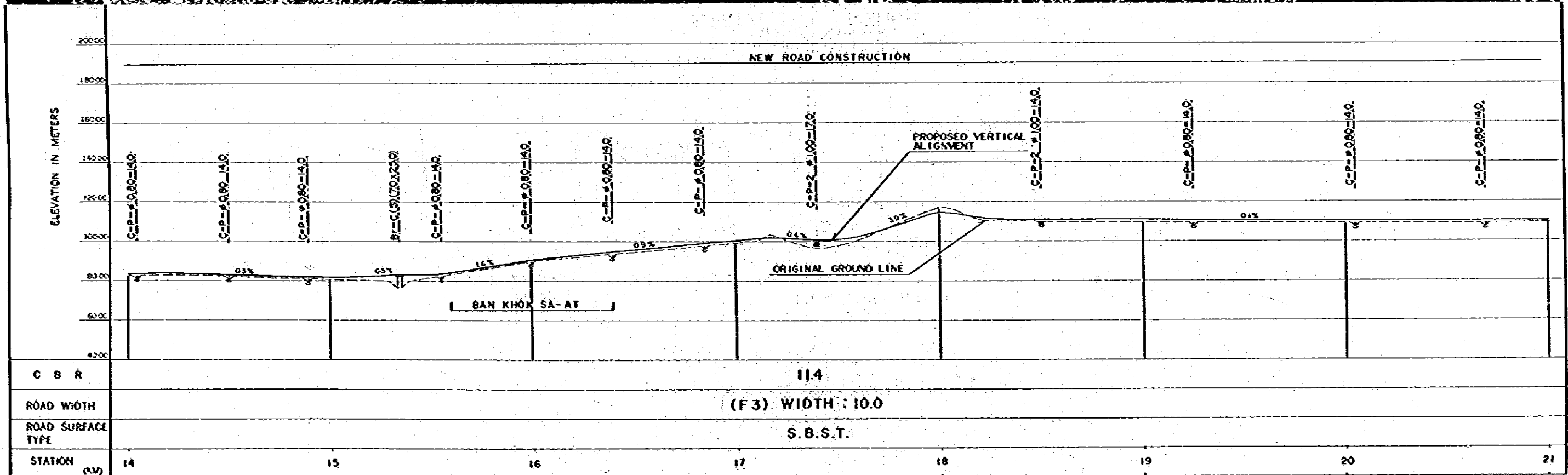
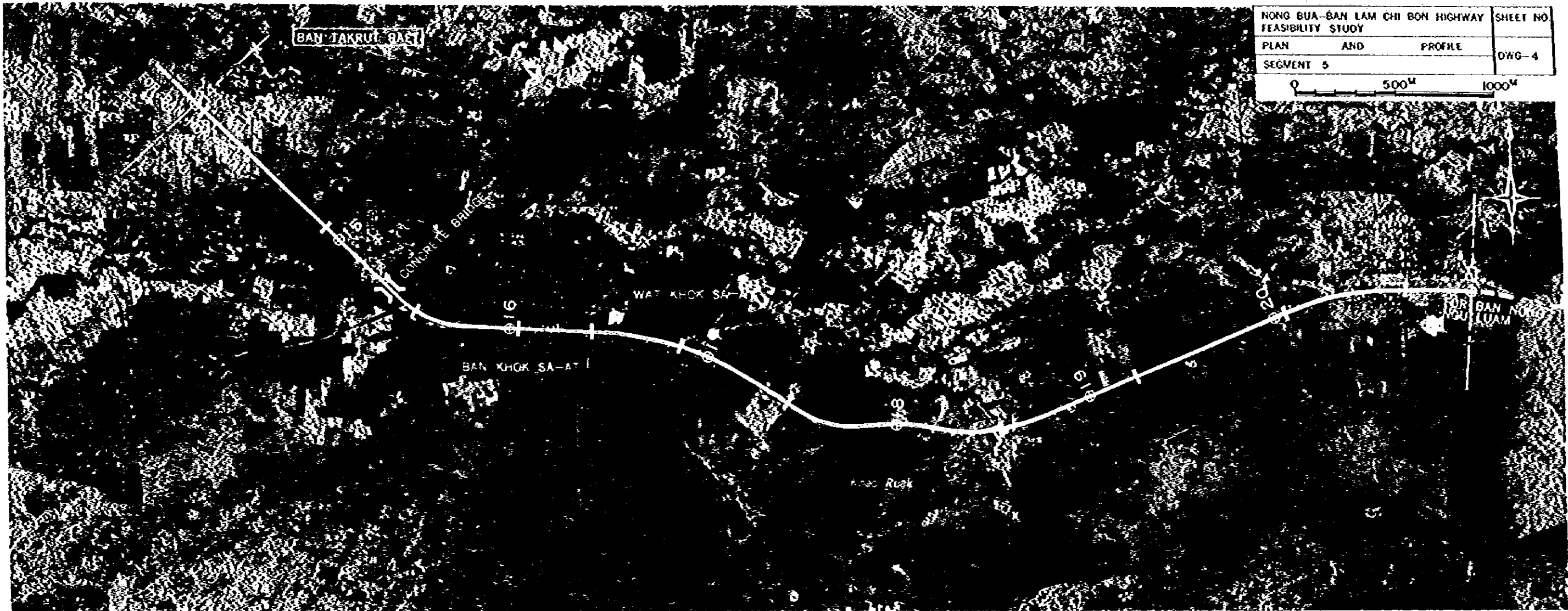
NONG BUA-BAN LAM CHI BON HIGHWAY		SHEET NO
FEASIBILITY STUDY		
PLAN	AND	PROFILE
SEGMENT 1 AND 2		DWG-2
0		500 ^M 1000 ^M



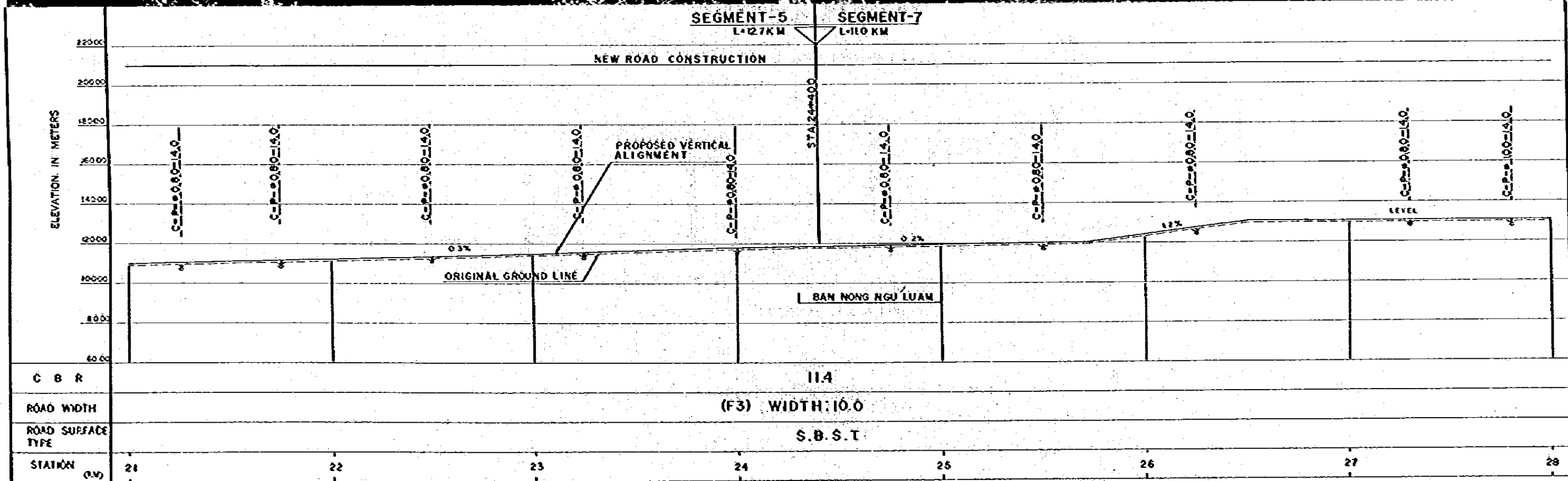
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FEASIBILITY STUDY		
PLAN	AND	PROFILE
SEGMENT 2, 3 AND 5		DWG-3
0		500M
		1000M



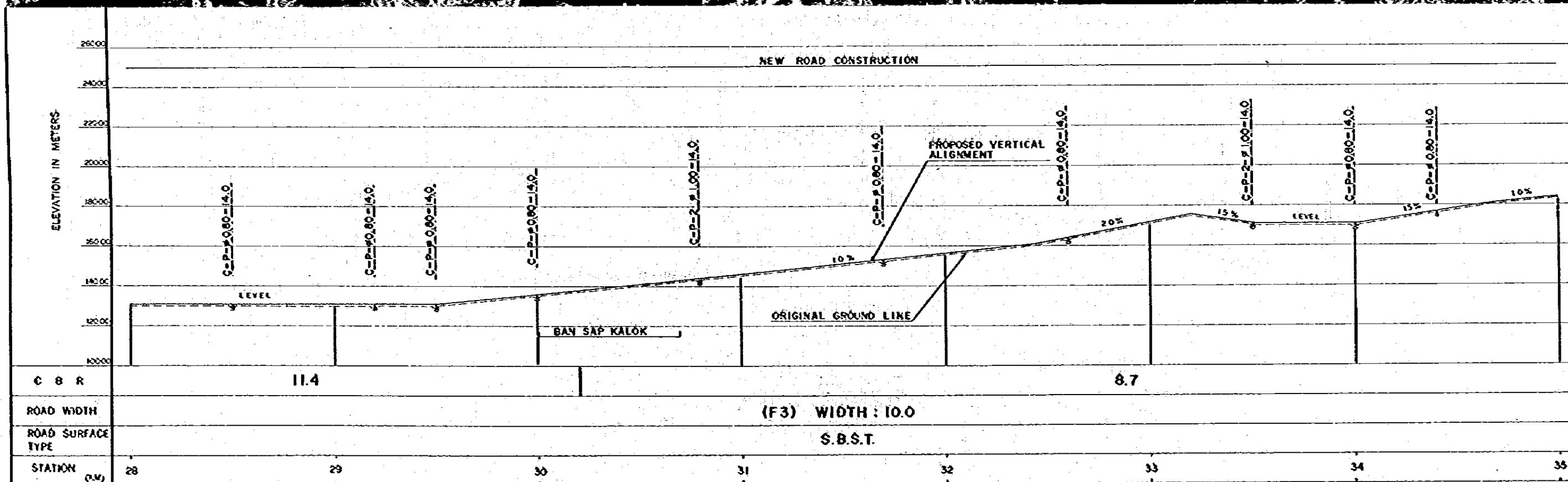
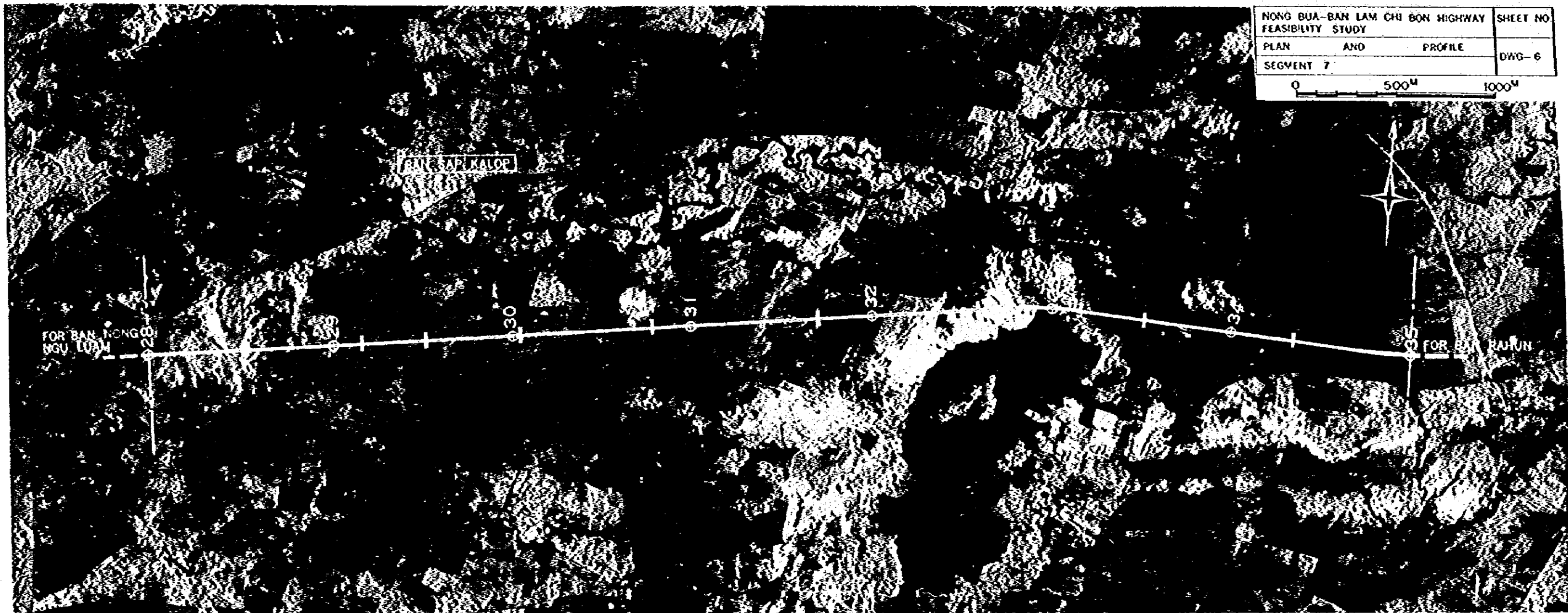
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FEASIBILITY STUDY			
PLAN	AND	PROFILE	DWG-4
SEGMENT 5			
0			500 ^M 1000 ^M



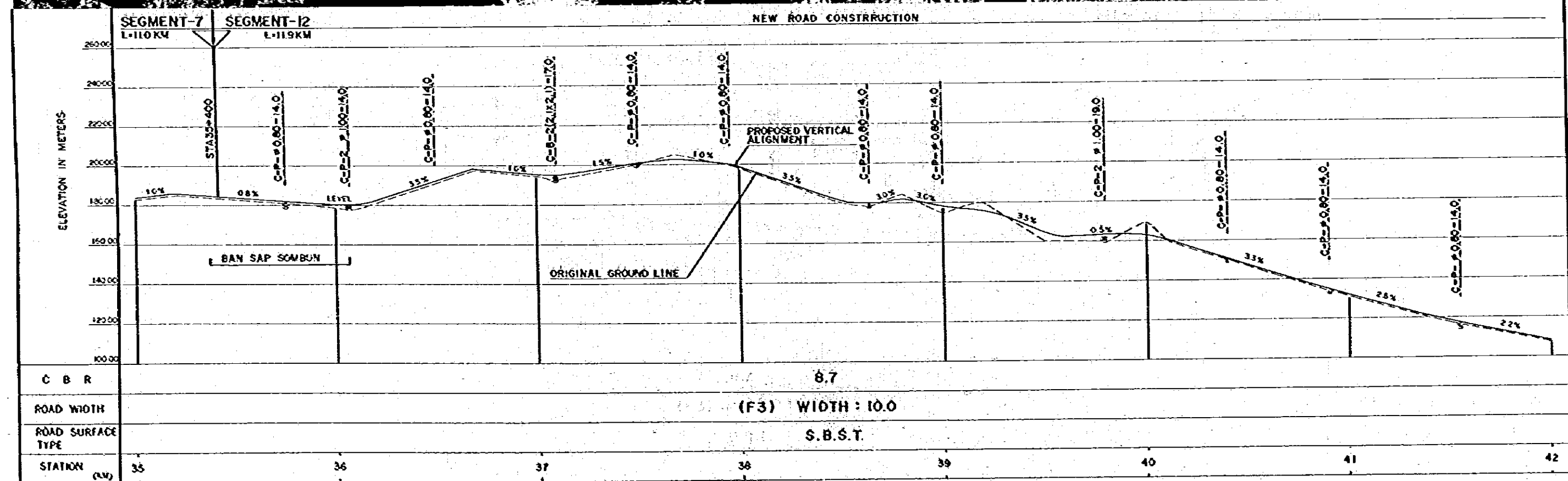
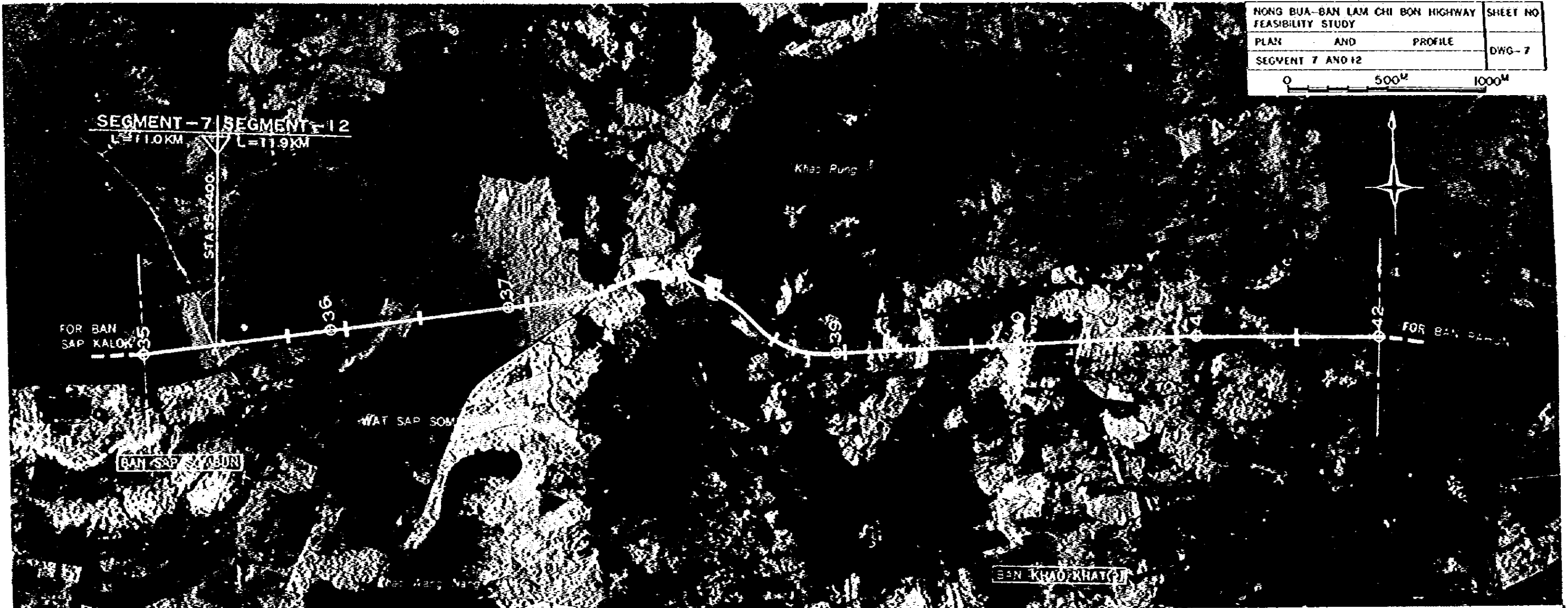
NONG BUA-BAN LAM CHI BON HIGHWAY			SHEET NO.
FEASIBILITY STUDY			
PLAN	AND	PROFILE	DWG-5
SEGMENT 5 AND 7			
0			500 ^M 1000 ^M



NONG BUA-BAN LAM CHI BON HIGHWAY		SHEET NO.
FEASIBILITY STUDY		
PLAN	AND	PROFILE
SEGMENT 7		DWG-6
0		500 ^M 1000 ^M

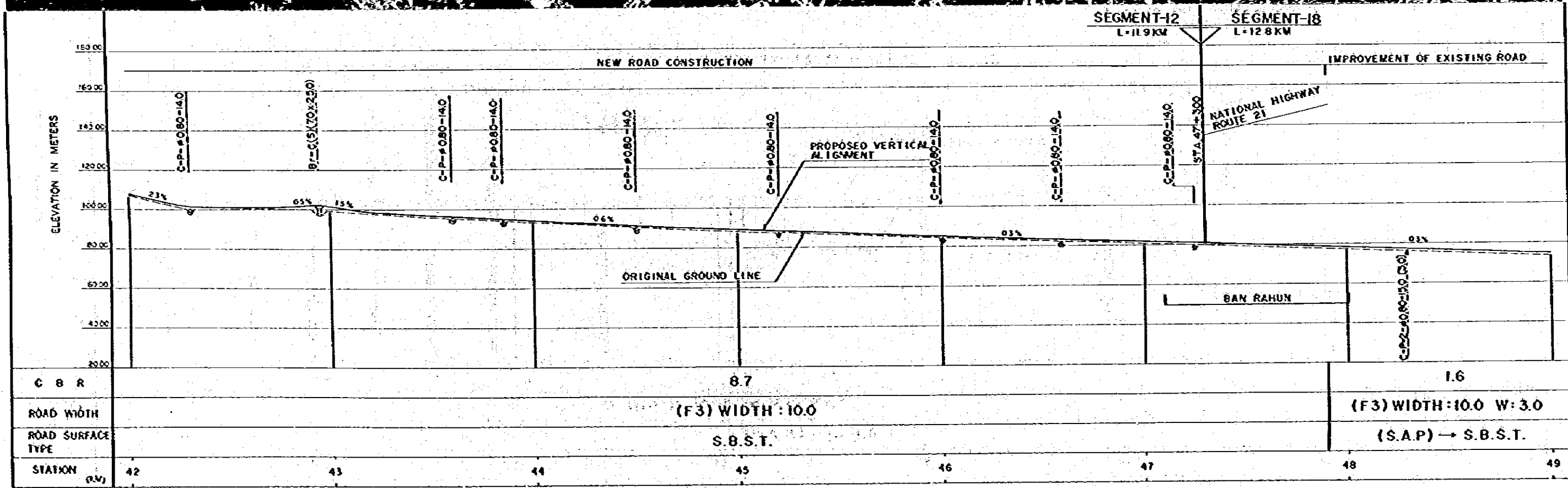
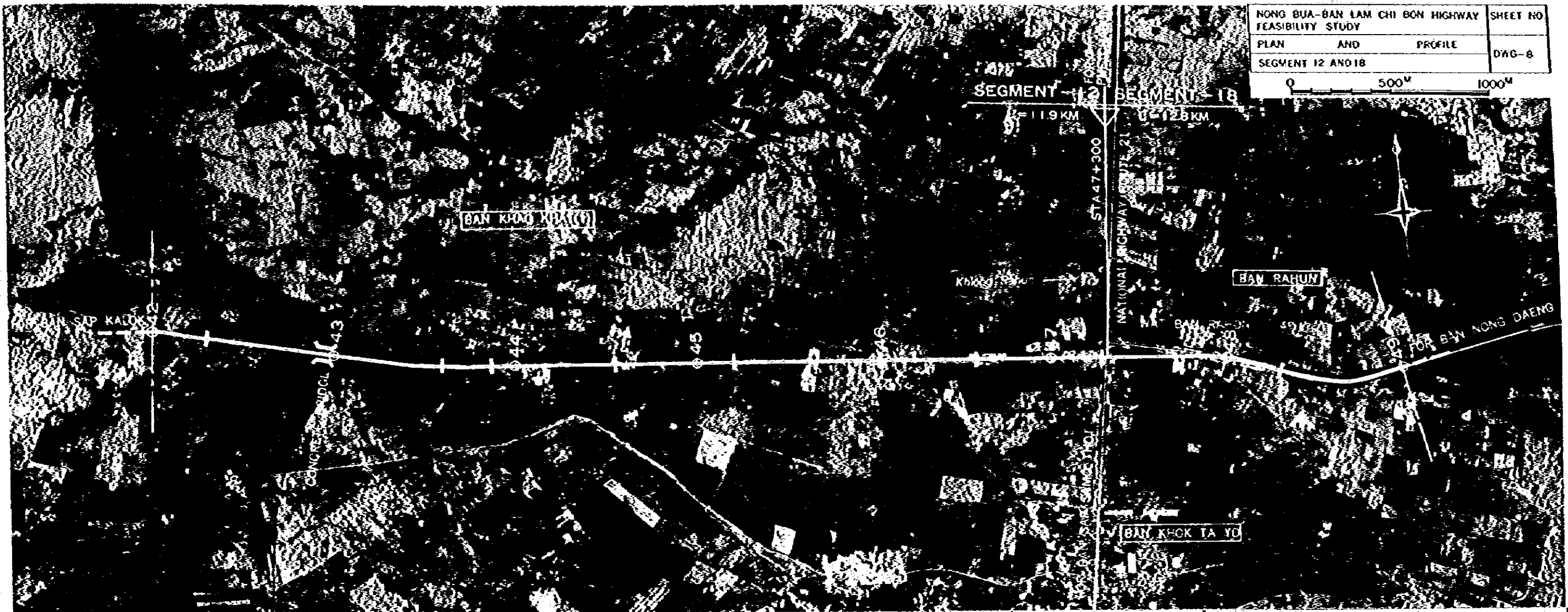


NONG BUA-BAN LAM CHI BON HIGHWAY			SHEET NO
FEASIBILITY STUDY			
PLAN	AND	PROFILE	DWG-7
SEGMENT 7 AND 12			
0 500M 1000M			

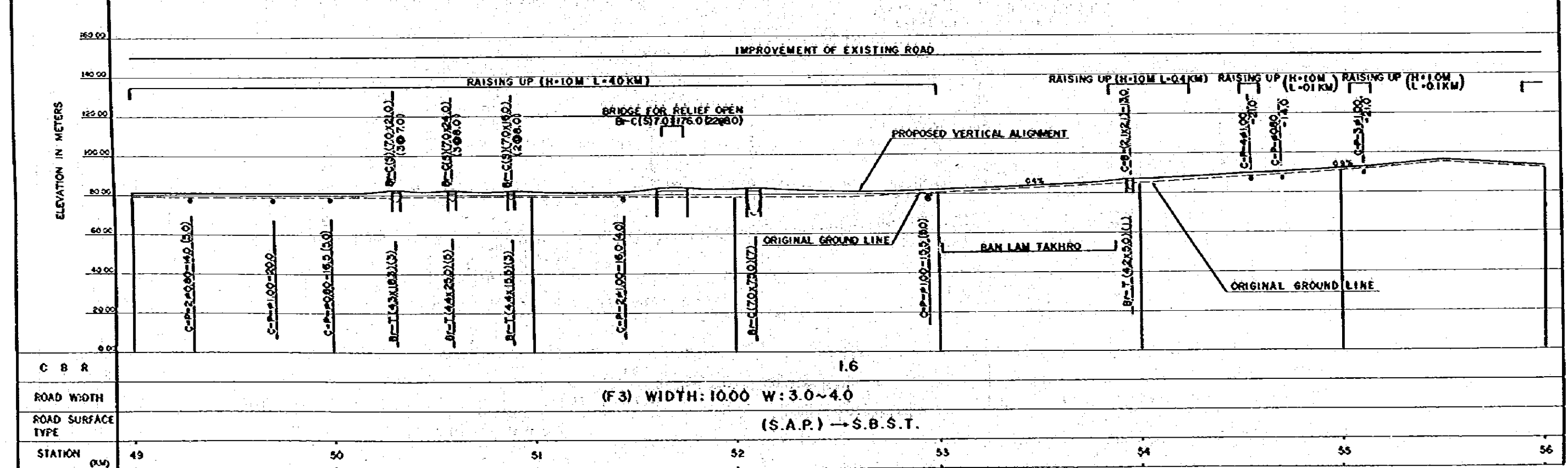
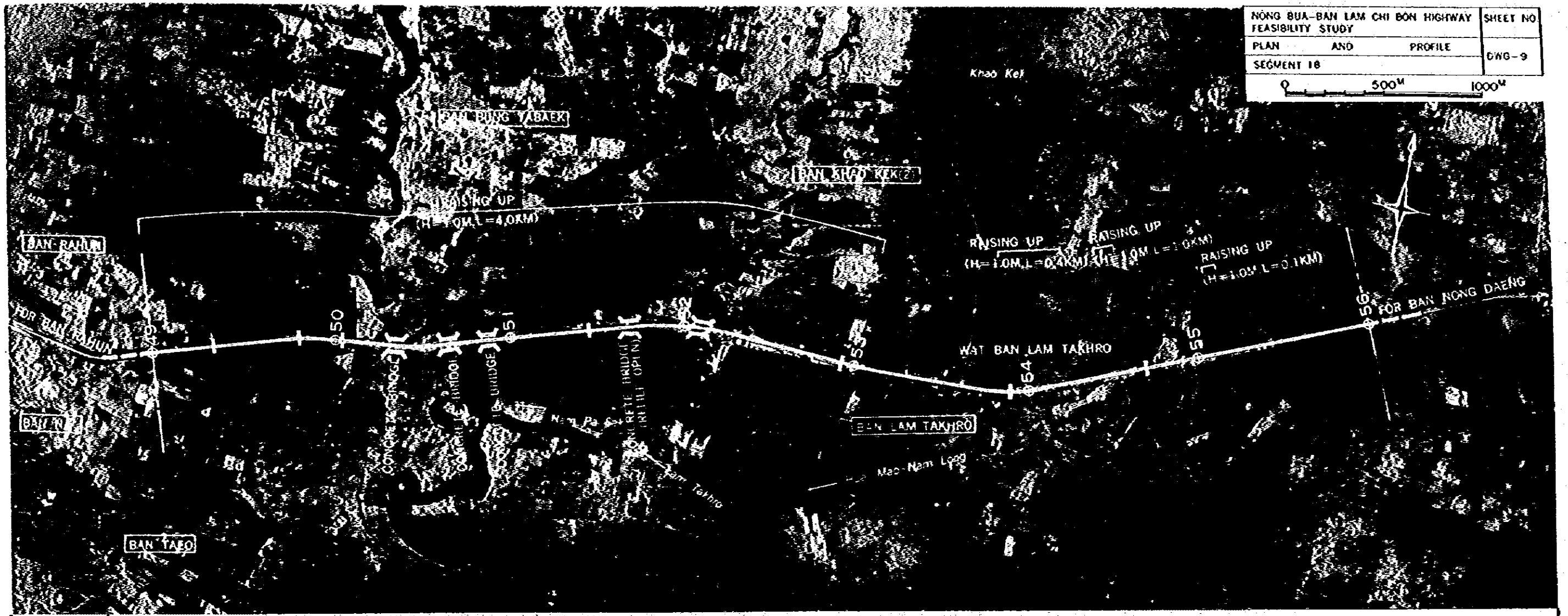


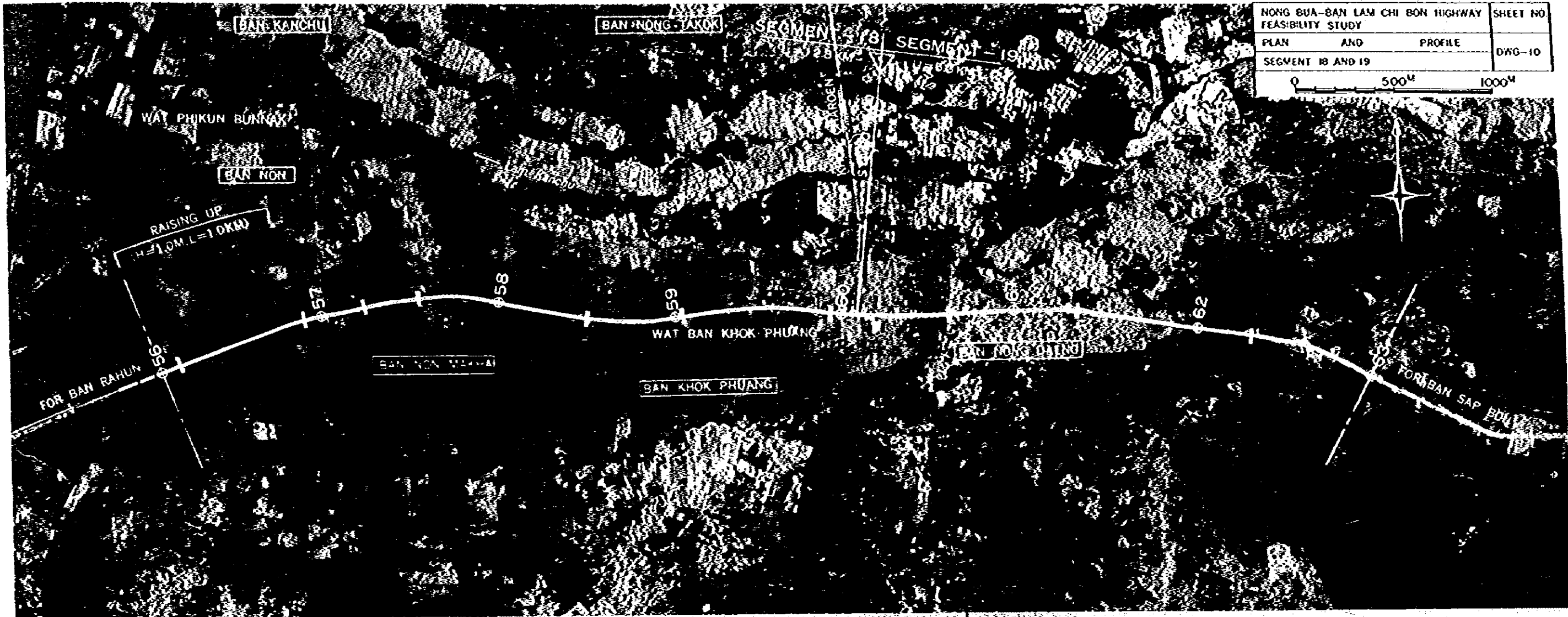
C B R	8.7							
ROAD WIDTH	(F3) WIDTH : 10.0							
ROAD SURFACE TYPE	S.B.S.T.							
STATION (km)	35	36	37	38	39	40	41	42

NONG BUA-BAN LAM CHI BON HIGHWAY			SHEET NO
FEASIBILITY STUDY			
PLAN	AND	PROFILE	DWG-8
SEGMENT 12 AND 18			

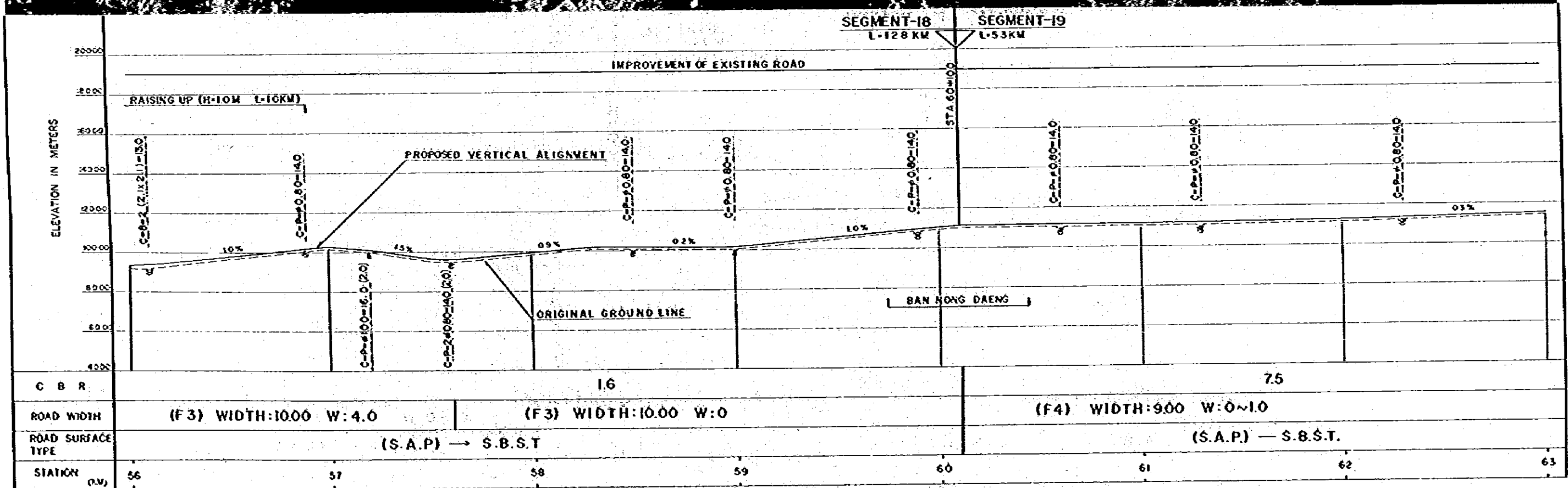


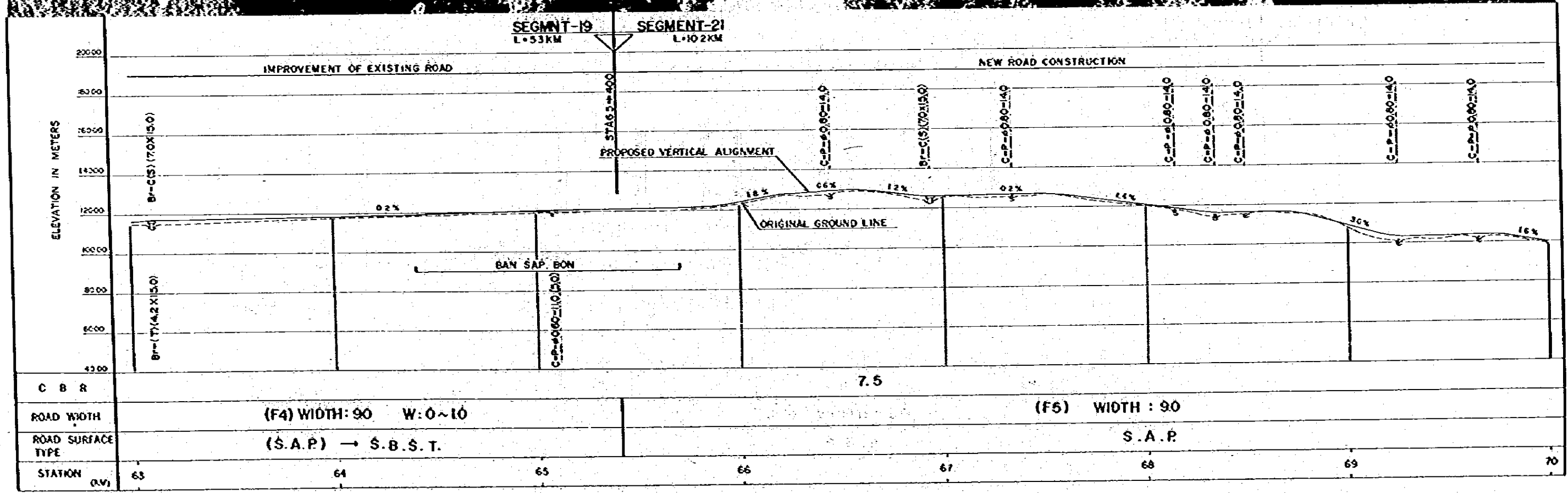
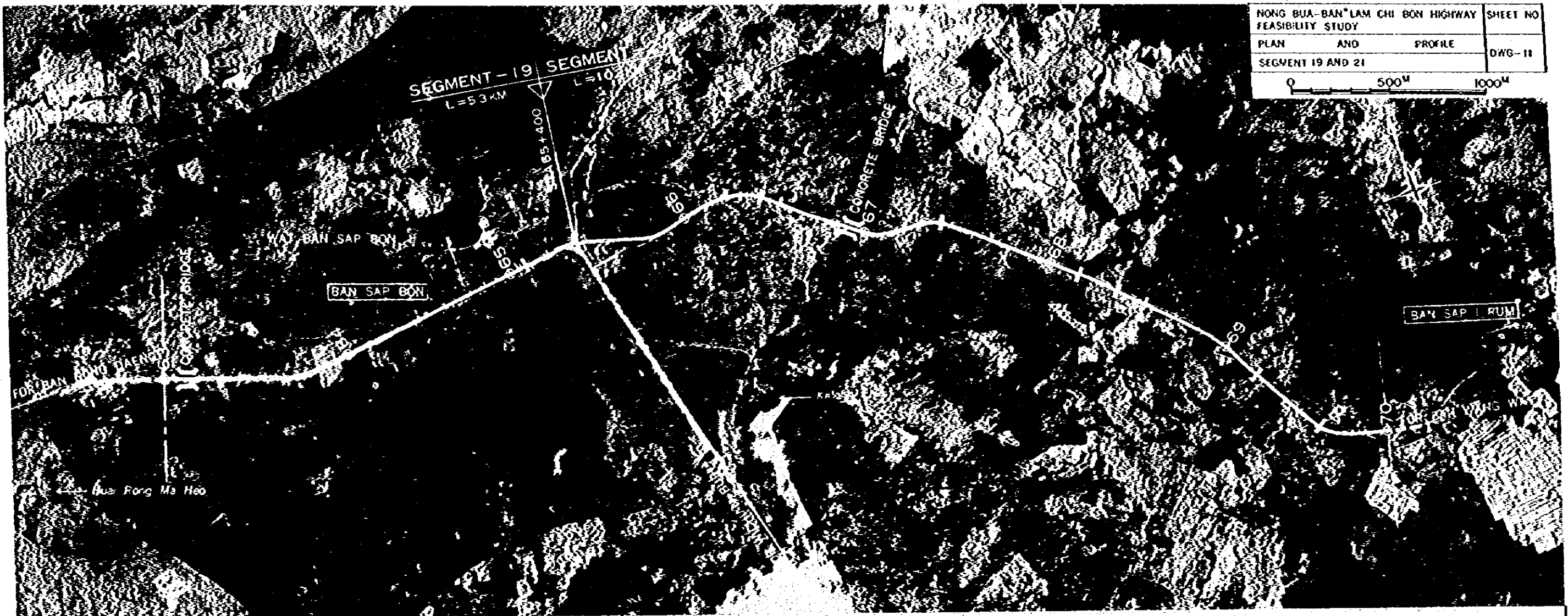
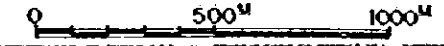
NÔNG BUA-BAN LAM CHI BÓN HIGHWAY		SHEET NO
FEASIBILITY STUDY		
PLAN	AND	PROFILE
SEGMENT 18		DWG-9
0		500M 1000M



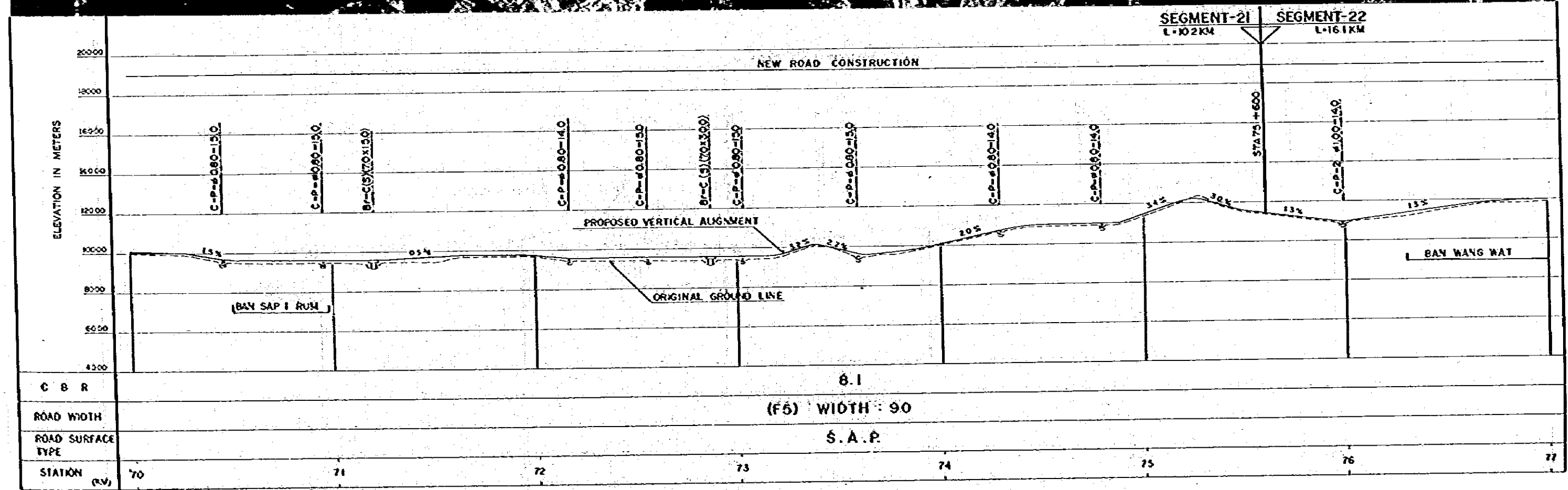
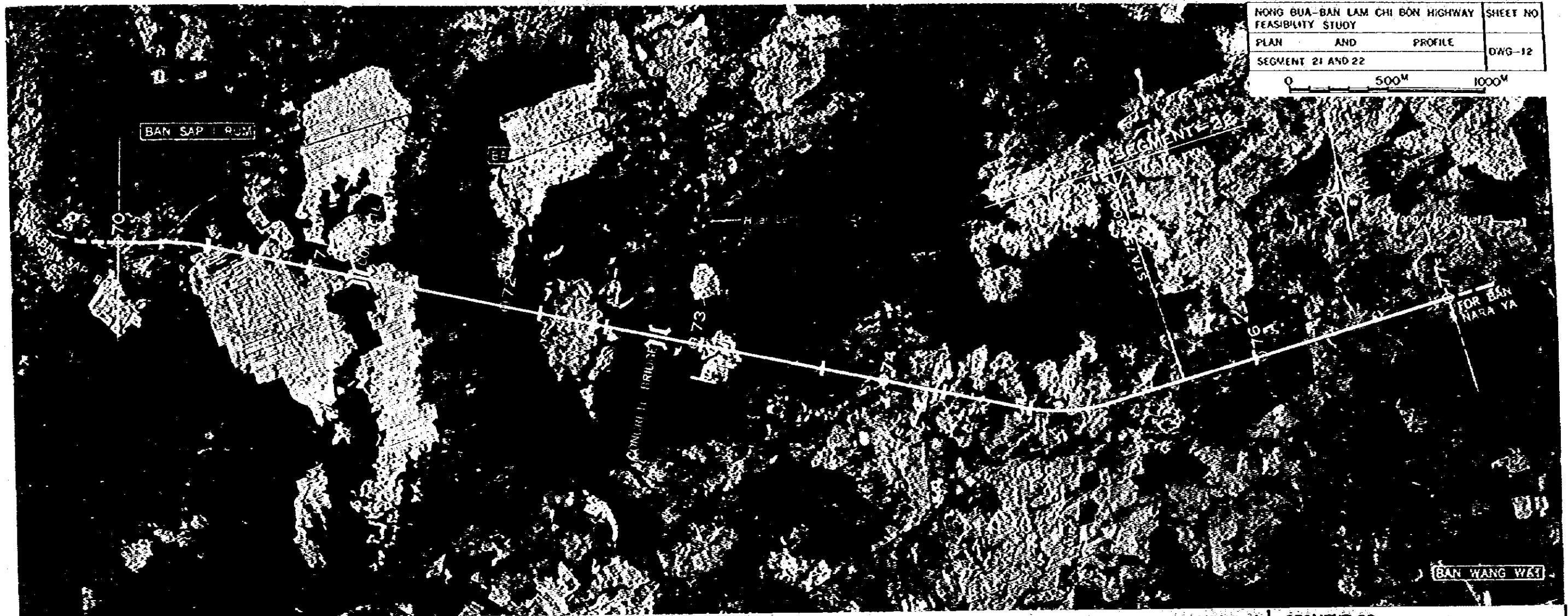


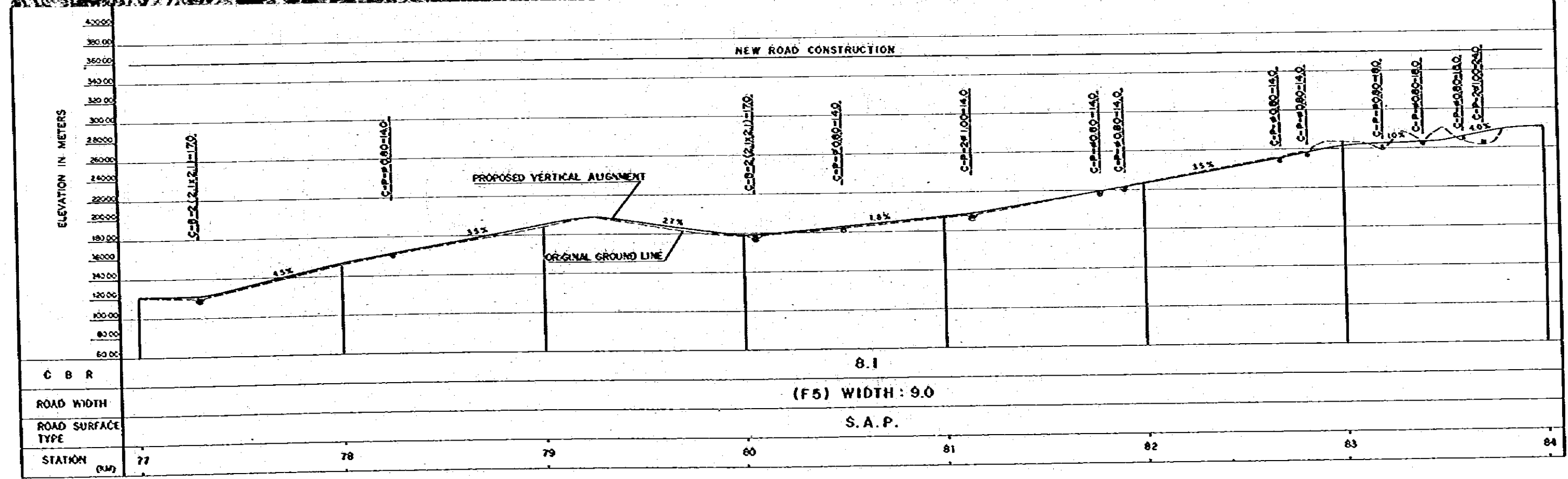
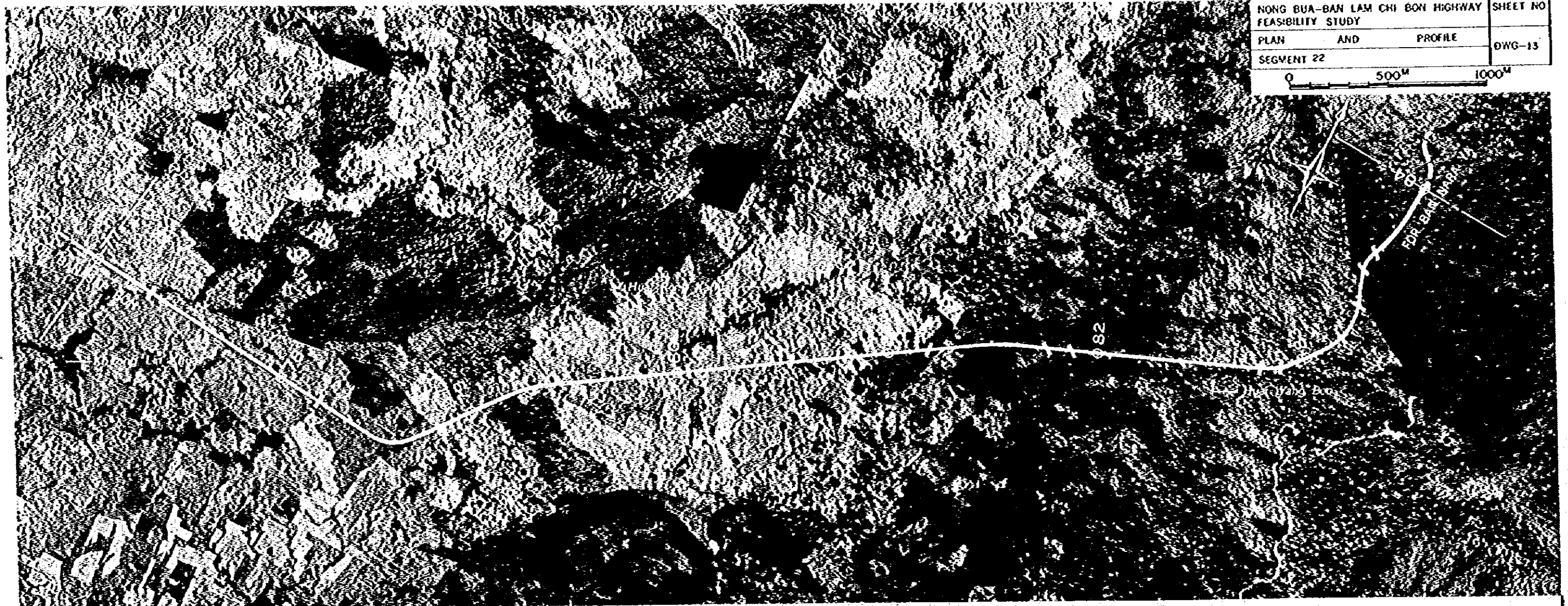
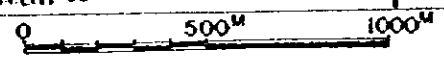
NONG BUA-BAN LAM CHI BON HIGHWAY		SHEET NO
FEASIBILITY STUDY		
PLAN	AND	PROFILE
SEGMENT 18 AND 19		DWG-10
0		500M 1000M





NONG BUA-BAN LAM CHI BON HIGHWAY			SHEET NO
FEASIBILITY STUDY			
PLAN	AND	PROFILE	DWG-12
SEGMENT 21 AND 22			
0			500M 1000M





ELEVATION IN METERS

C B R

ROAD WIDTH

ROAD SURFACE TYPE

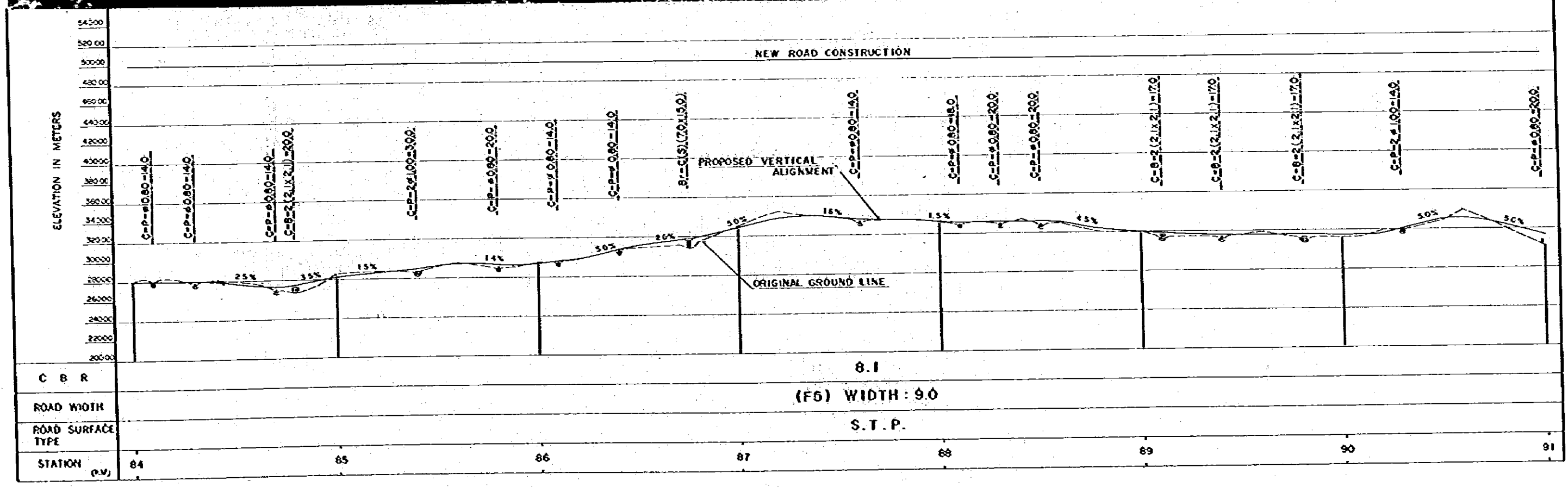
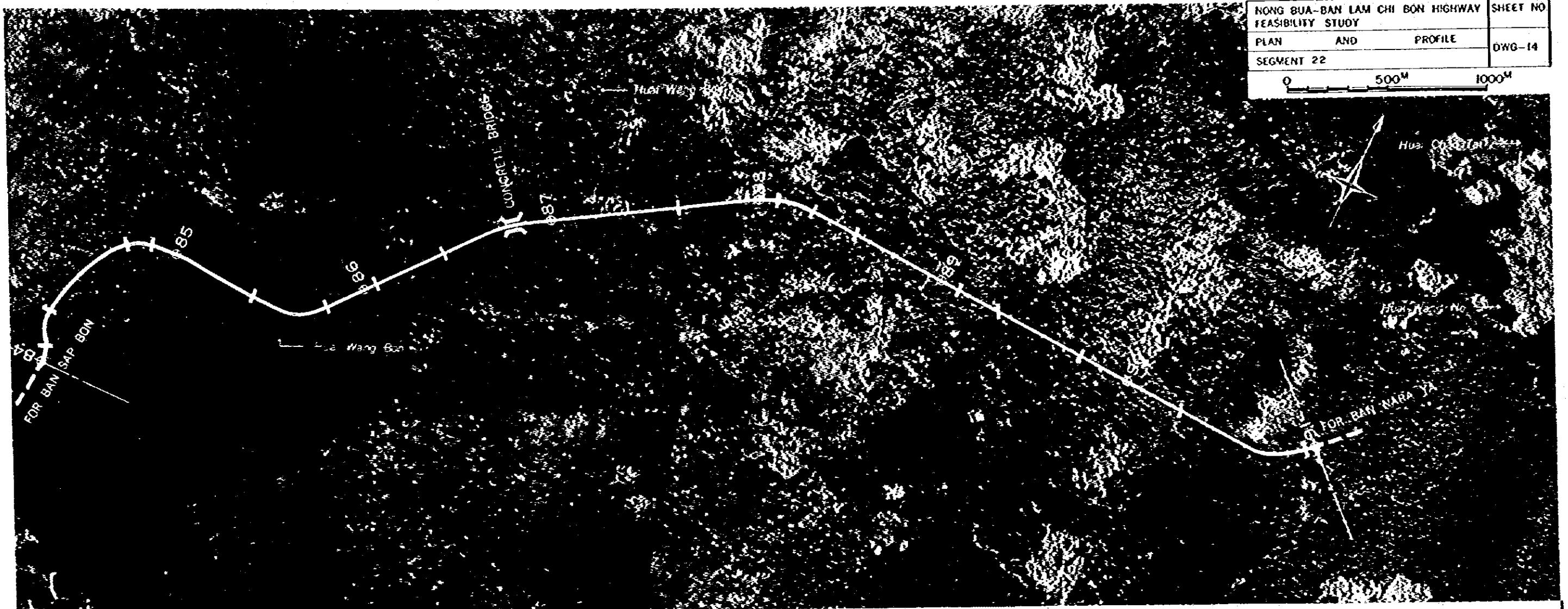
STATION (KM)

8.1

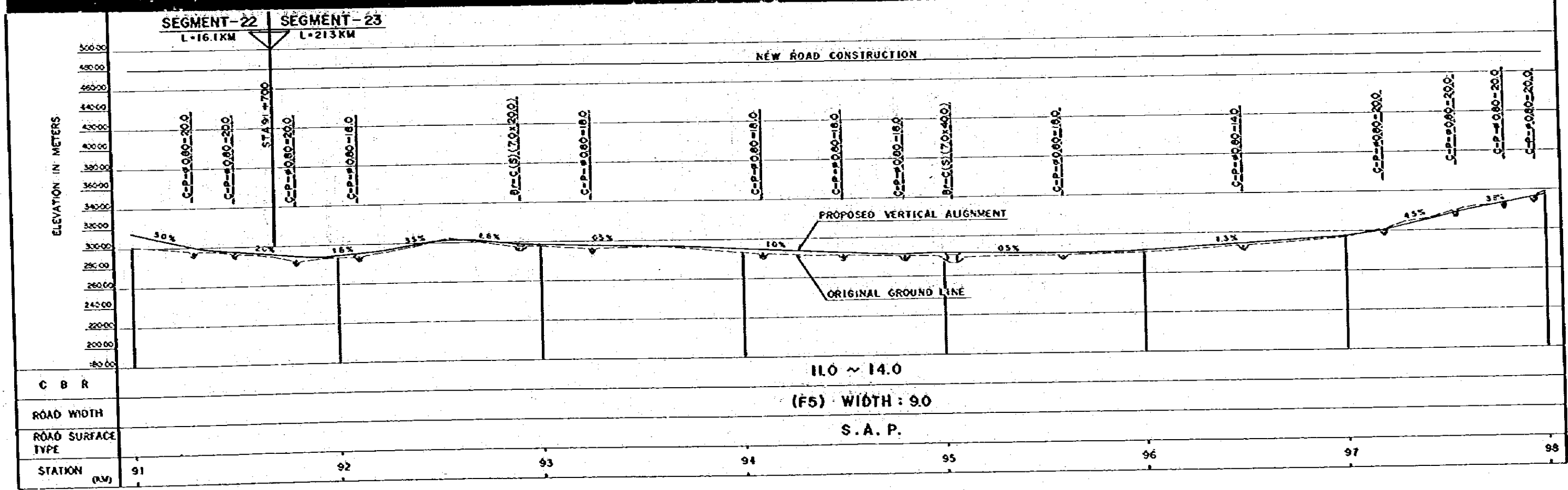
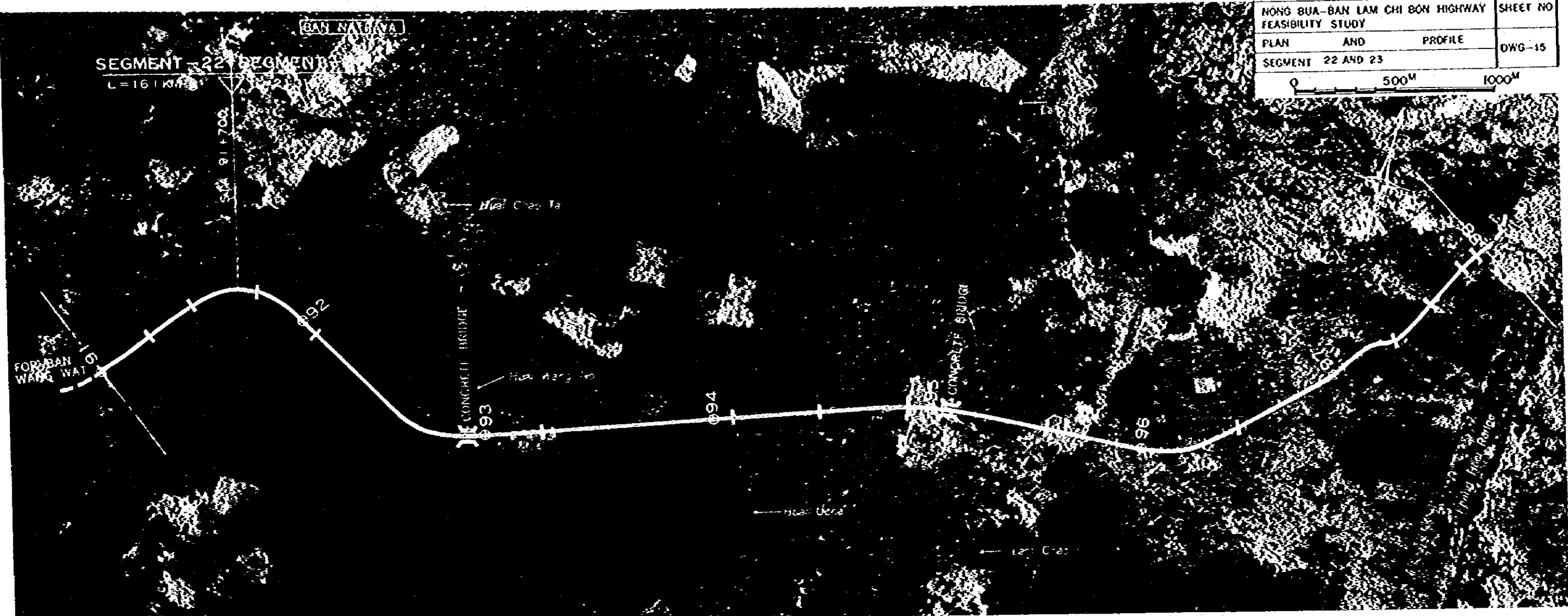
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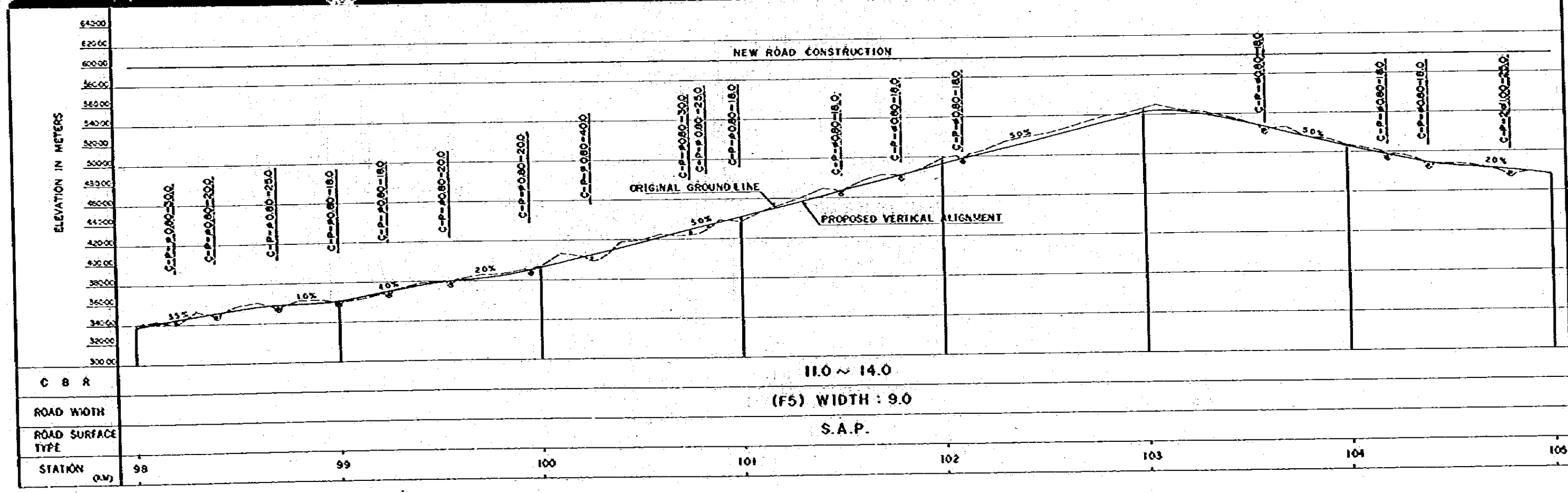
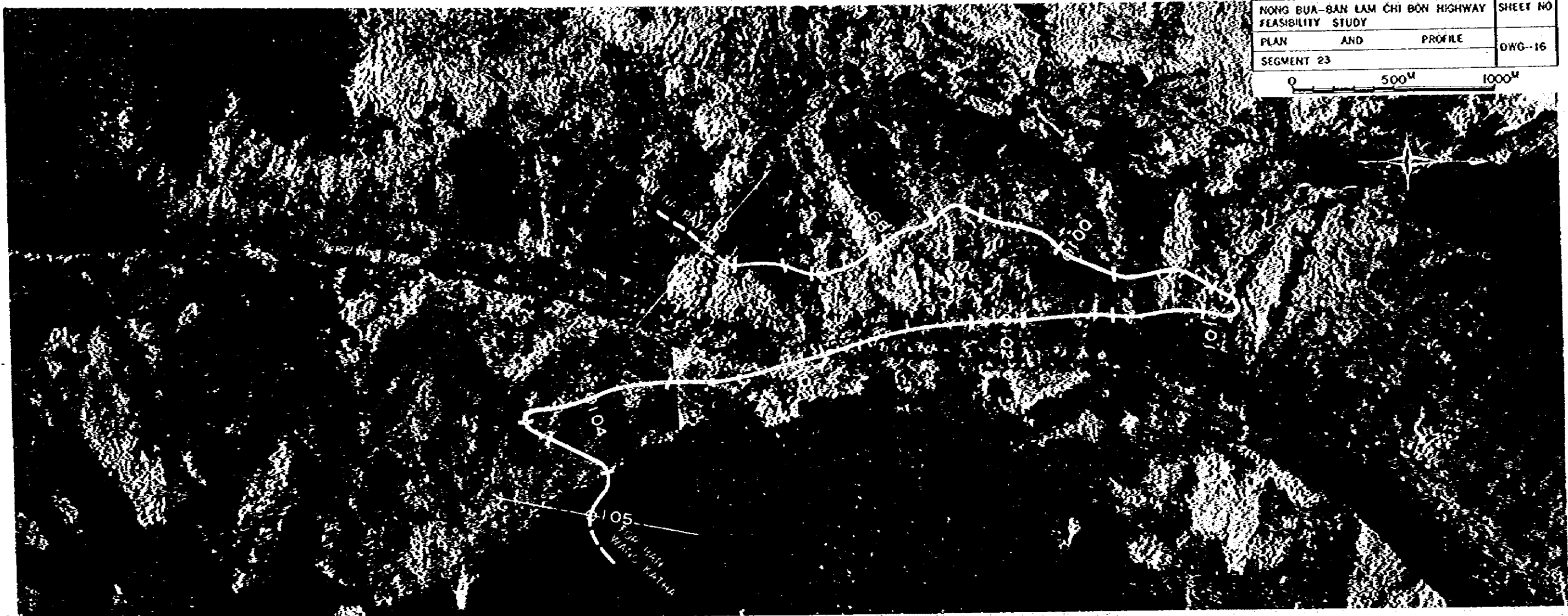
S. A. P.

NONG BUA-BAN LAM CHI BON HIGHWAY		SHEET NO
FEASIBILITY STUDY		
PLAN	AND	PROFILE
SEGMENT 22		DWG-14
0		500M 1000M



NONG BUA-BAN LAM CHI BON HIGHWAY			SHEET NO
FEASIBILITY STUDY			
PLAN	AND	PROFILE	DWG-15
SEGMENT 22 AND 23			
0 500M 1000M			

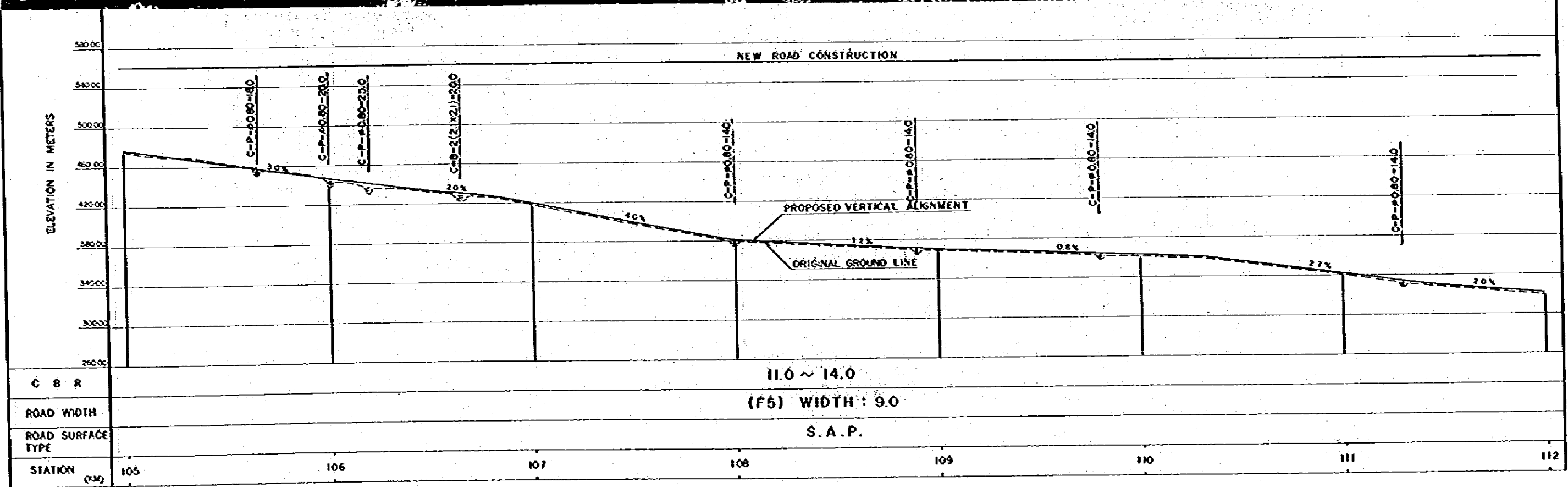
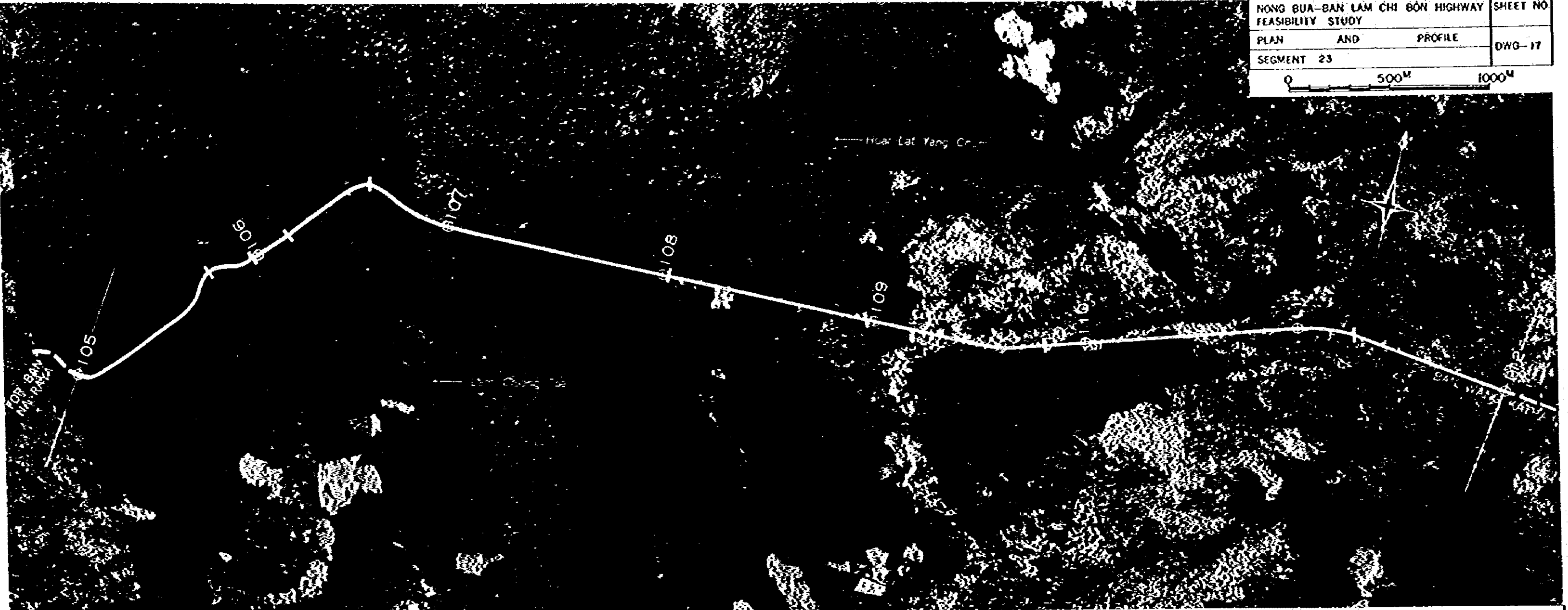


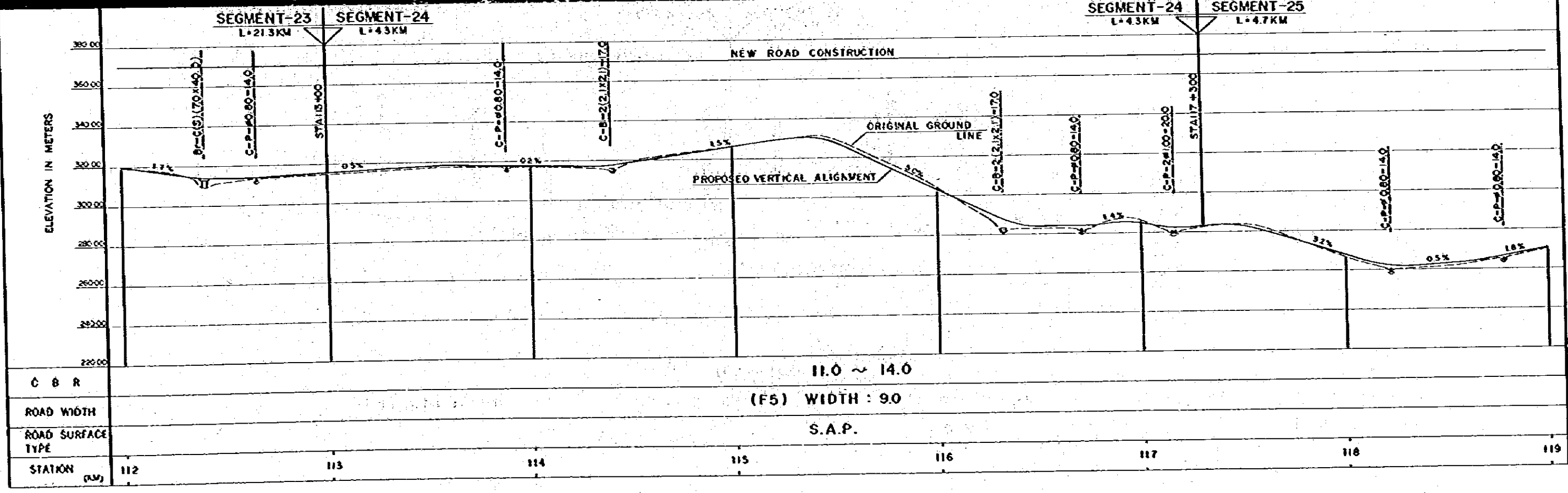
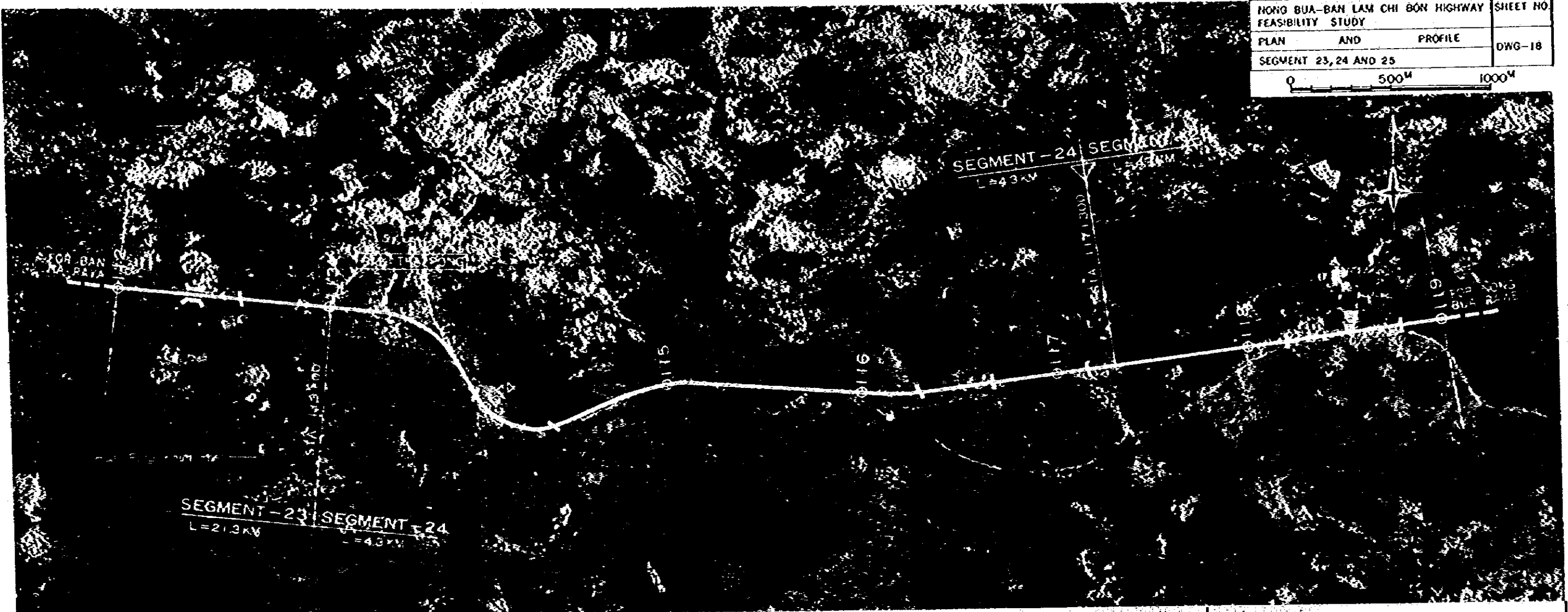


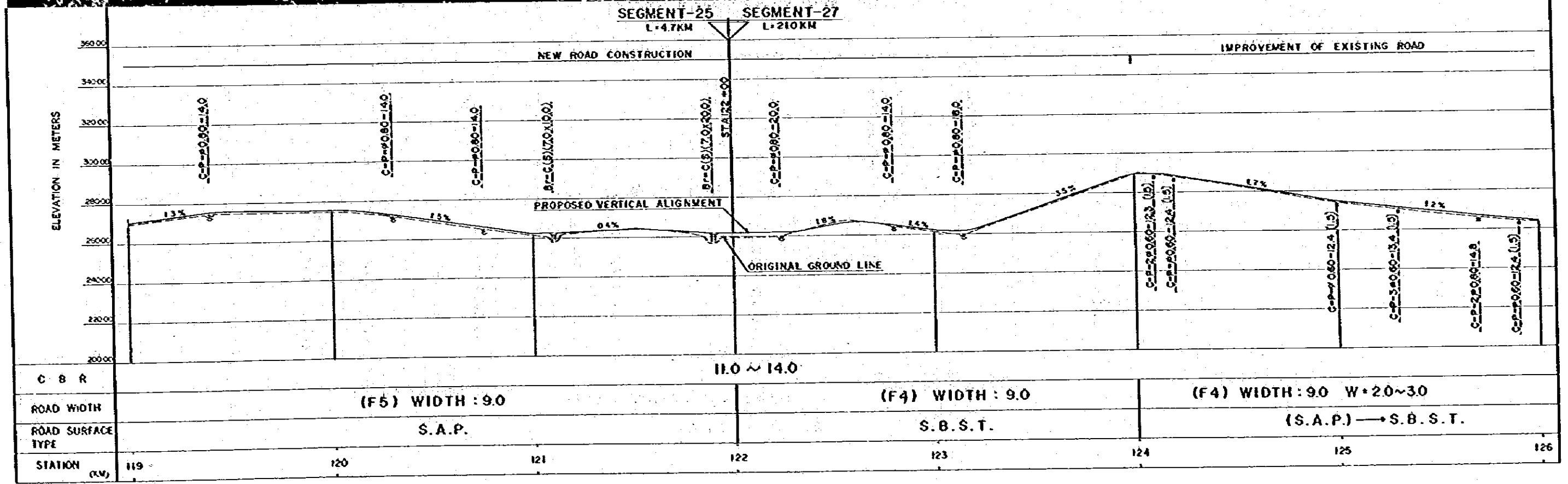
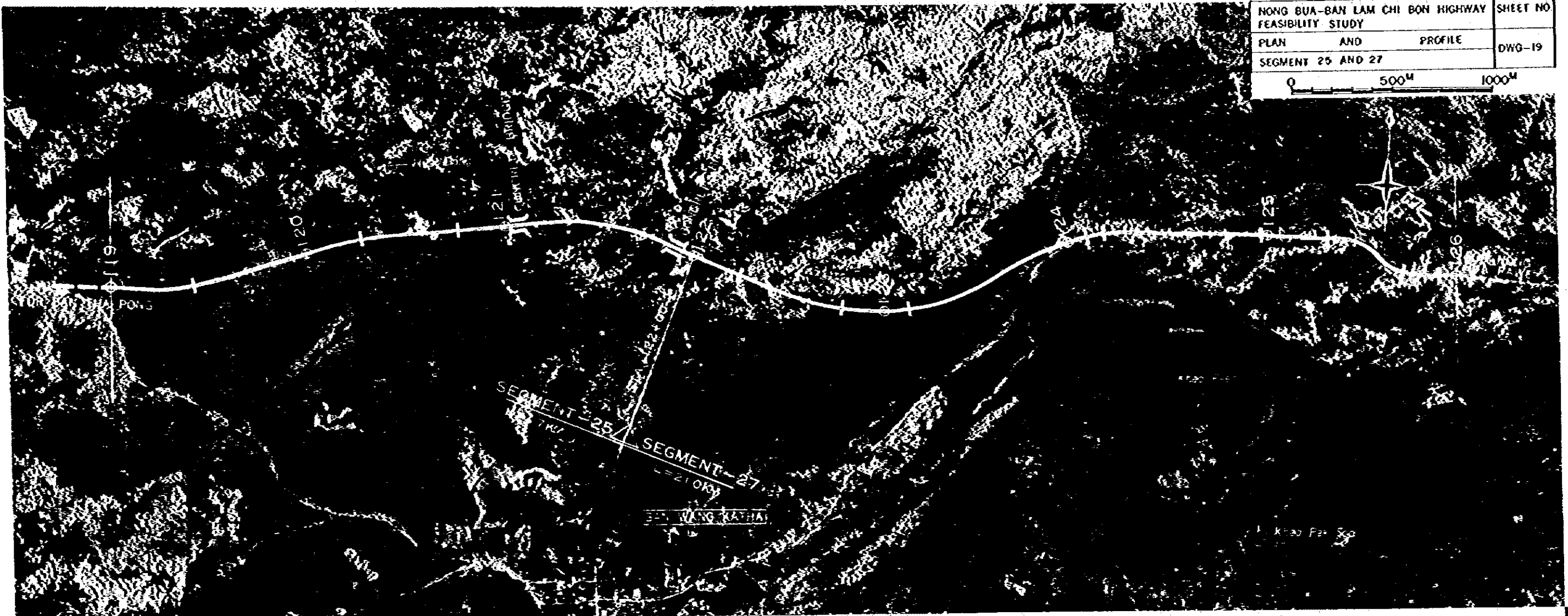
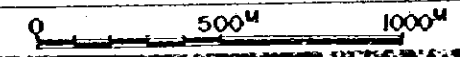
11.0 ~ 14.0
(F5) WIDTH : 9.0
S.A.P.

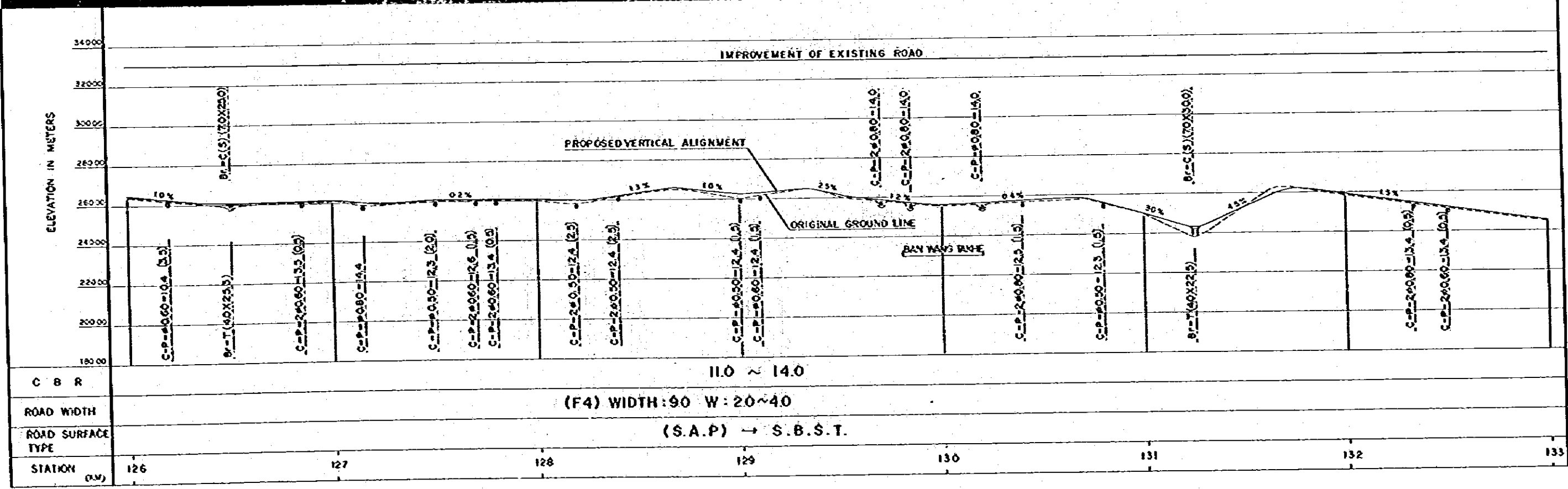
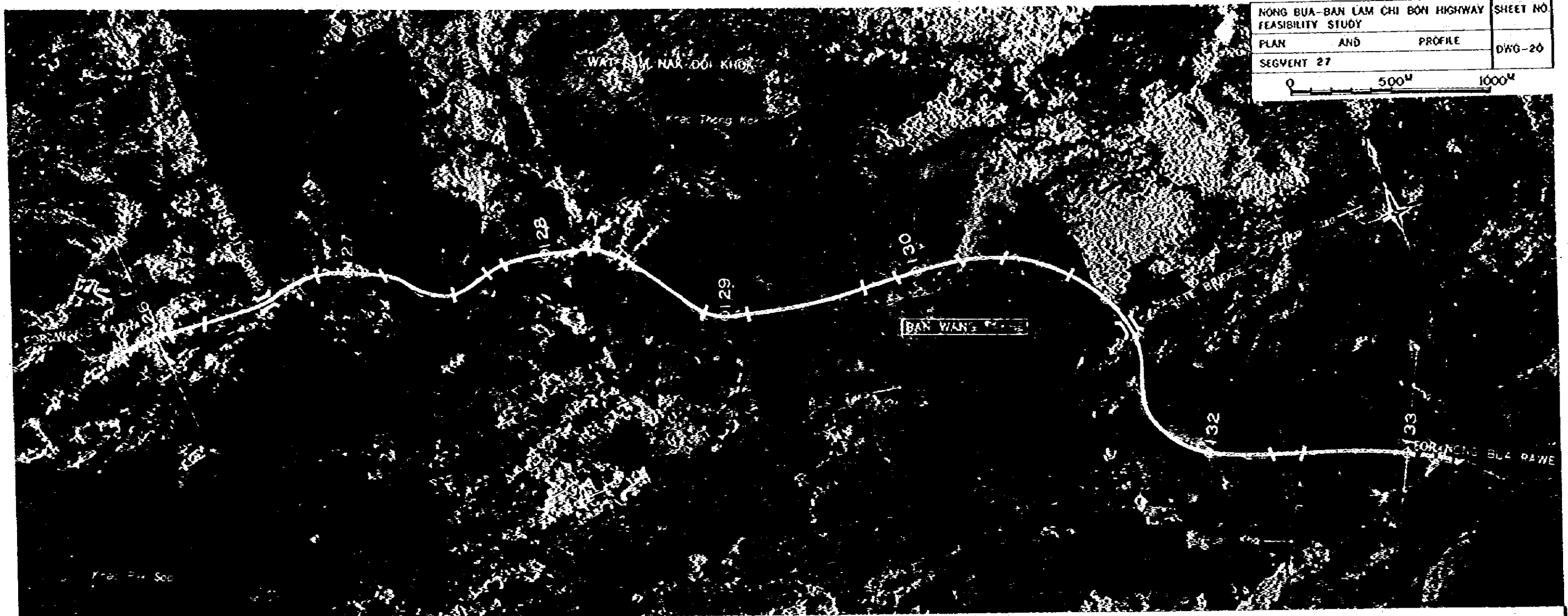
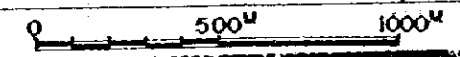
C B R	
ROAD WIDTH	
ROAD SURFACE TYPE	
STATION (KM)	98 99 100 101 102 103 104 105

NONG BUA-BAN LAM CHI BÓN HIGHWAY		SHEET NO.
FEASIBILITY STUDY		
PLAN	AND	PROFILE
SEGMENT 23		DWG-17
0		500 ^M 1000 ^M

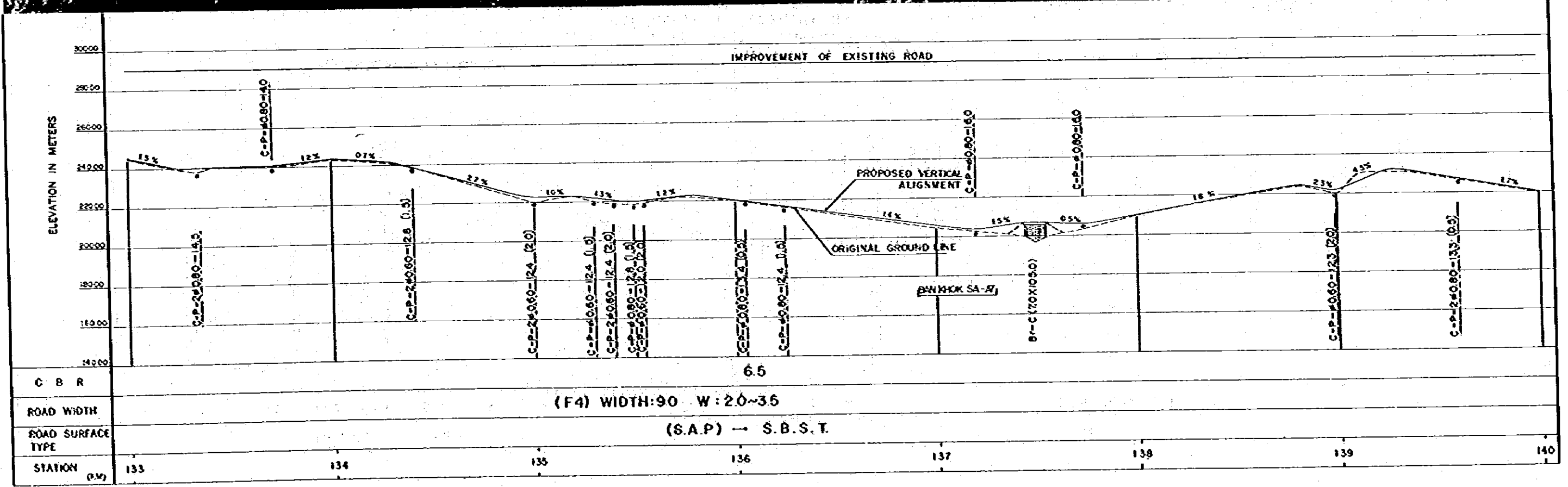
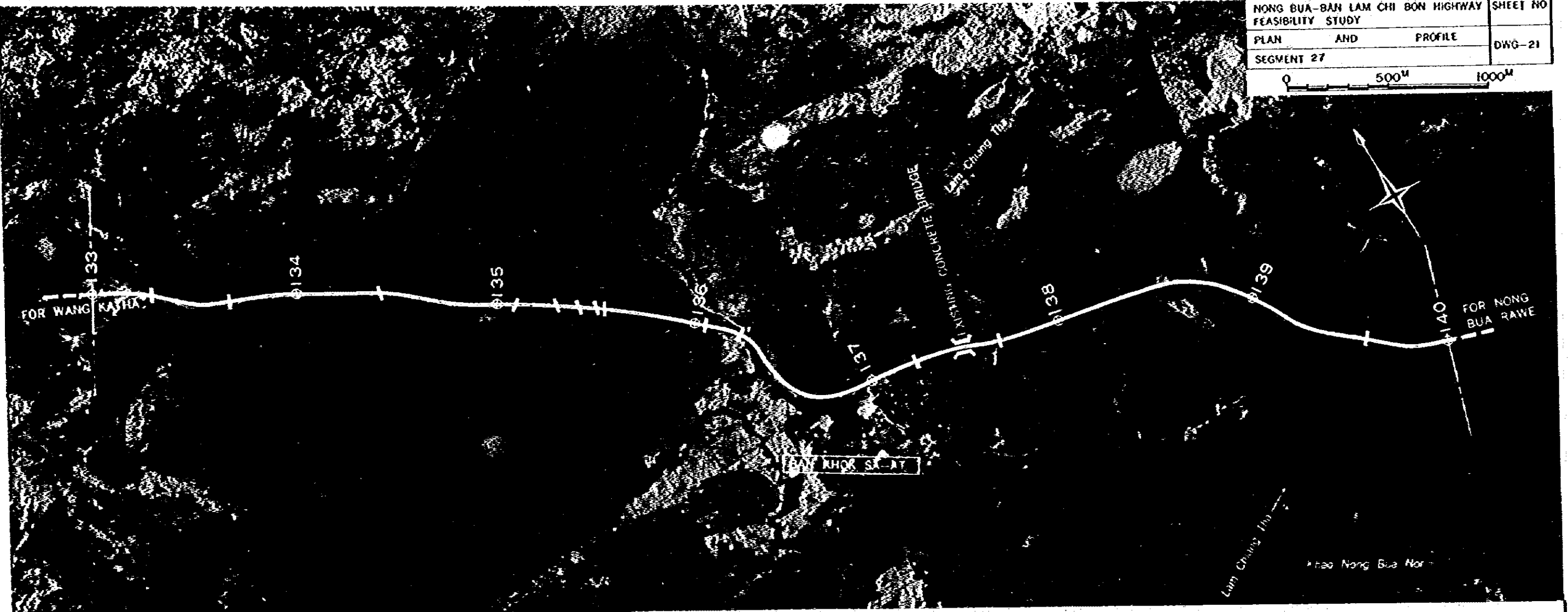




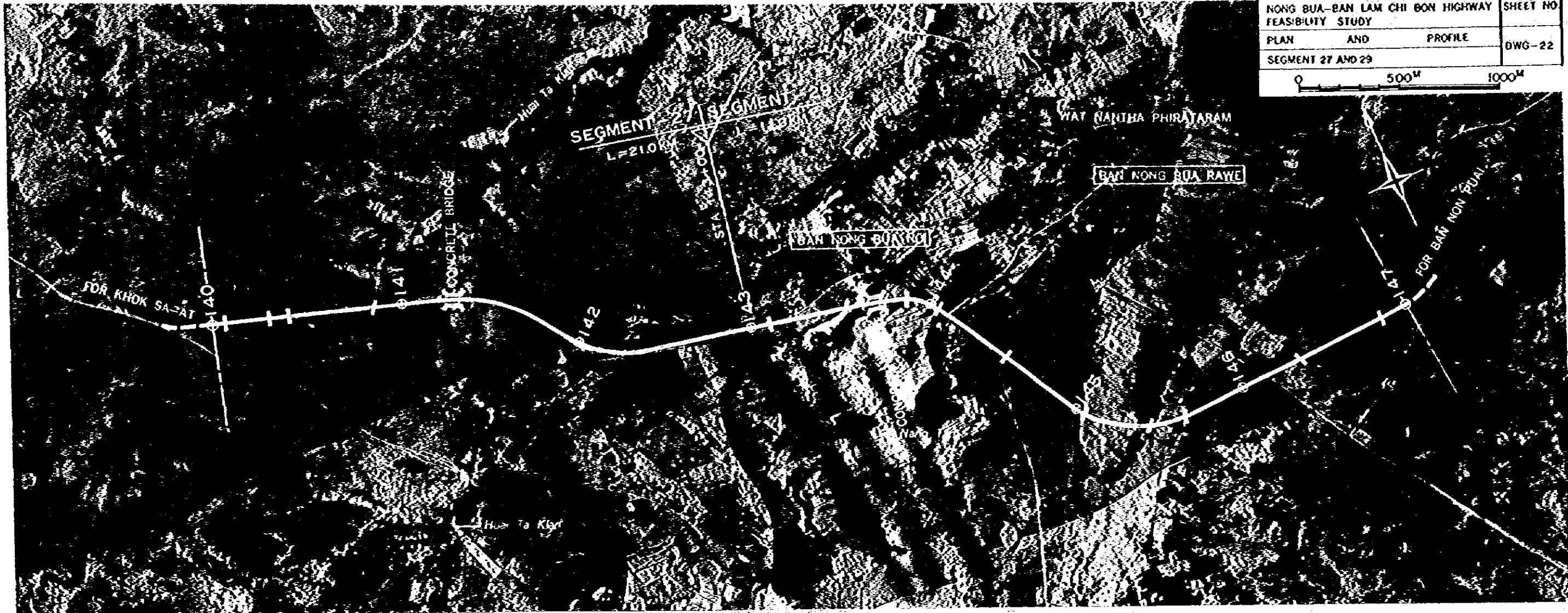




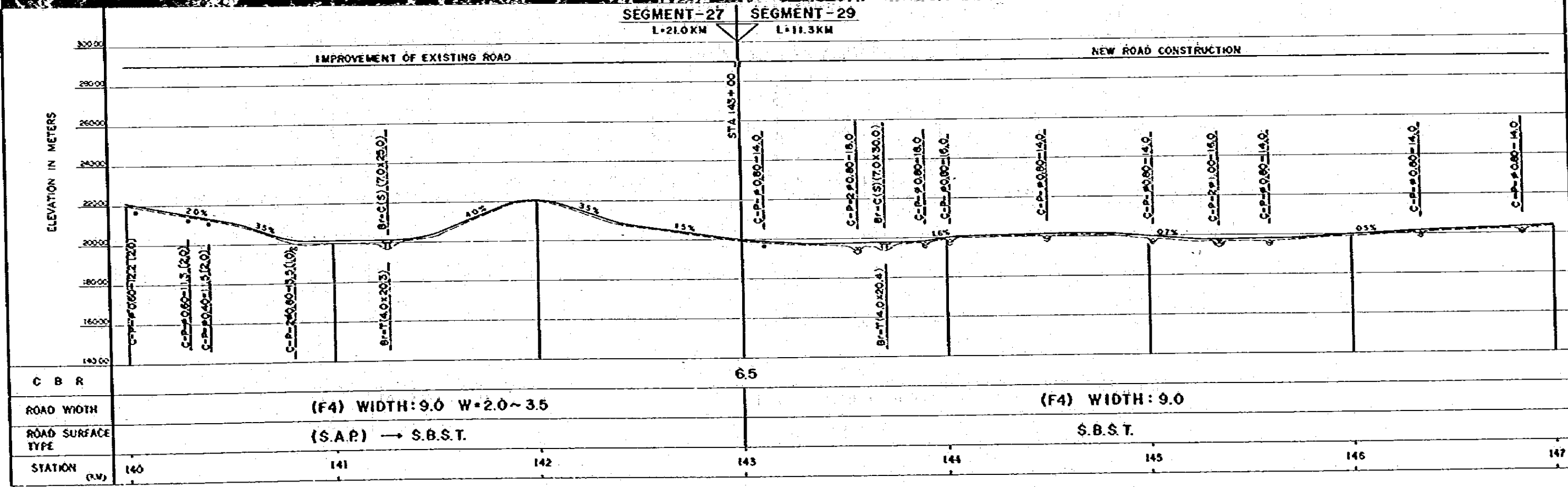
NONG BUA-BAN LAM CHI BON HIGHWAY			SHEET NO
FEASIBILITY STUDY			
PLAN	AND	PROFILE	DWG-21
SEGMENT 27			
0 500M 1000M			



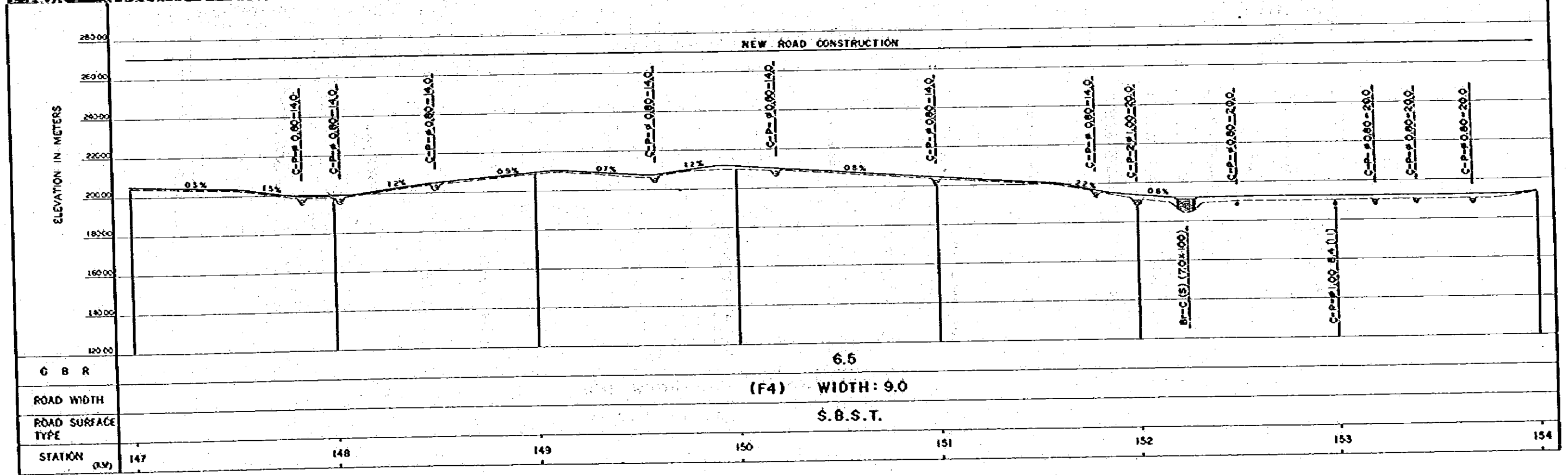
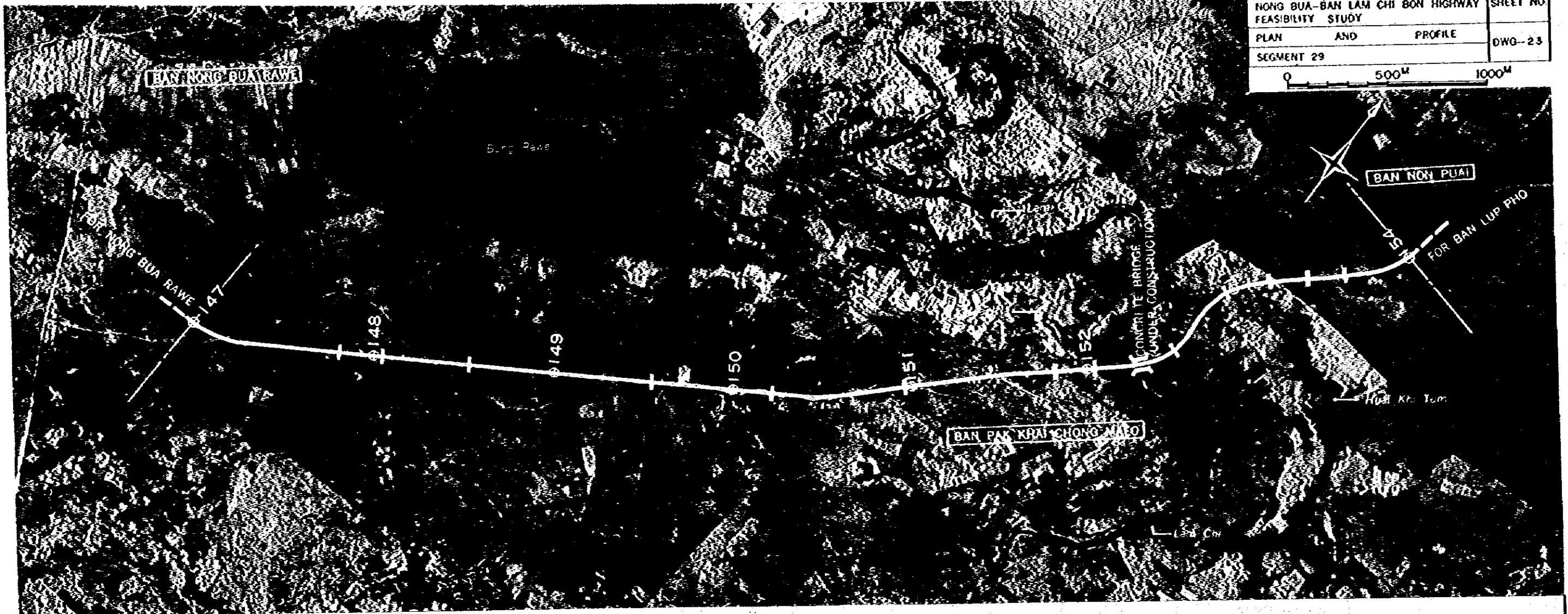
C B R	65									
ROAD WIDTH	(F4) WIDTH:90 W:2.0~3.5									
ROAD SURFACE TYPE	(S.A.P) → S.B.S.T.									
STATION (S.M)	133	134	135	136	137	138	139	140		



SEGMENT-27 L=21.0KM | SEGMENT-29 L=11.3KM



NONG BUA-BAN LAM CHI BON HIGHWAY			SHEET NO.
FEASIBILITY STUDY			
PLAN	AND	PROFILE	DWG-23
SEGMENT 29			
0 500M 1000M			



HONG BUA-BAN LAM CHI BON HIGHWAY		SHEET NO
FEASIBILITY STUDY		
PLAN	AND	PROFILE
SEGMENT 29 AND 30		DWG-24

