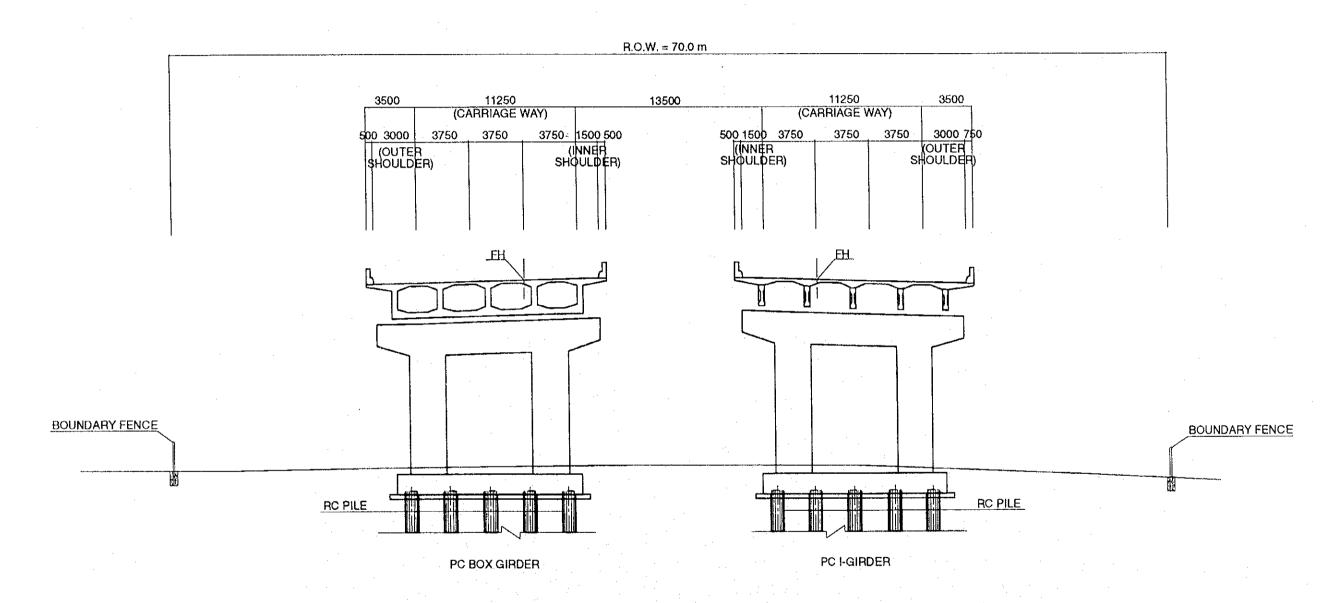


(SCALE 1:250)

BAN PONG-CHA AM ROUTE	DWG No.
	BC. 3- 2
TYPICAL CROSS SECTIO	)N (S)



**BRIDGE AND VIADUCT SECTION** 

(SCALE 1:250)

STRUCTUAL CLASSIFICATION

	Superstruc	ture	· · · · · · · · · · · · · · · · · · ·	Subsutru	cture	Foundation		
Туре	Shape	Available Span(m)	Туре	Shape	Description	Туре	Shape	Description
RC. A		L ≦15	Α	Pile Bent	DOH Standard	Α		Spread Foudation
PC. B-1	1000	15 < L ≦ 25	В		Wall Applicable to Viaduct	В		Precast 400 RC Pile
PC. B-2	1200	25 < L < 30	С		Culum Applicable to River Cossings	C - 1		Cast in Place RC . Pile Ø1.0m
PC. B-3	1300	30 ≦ L ≦ 35	) D		Wall Applicable to River Cossings	C - 2		Cast in Place RC Pile Ø1.2m
PC. B-4	S880	35 < L ≦ 50	E		Double Column Applicable to the Southern Route	C - 3		Cast in Place RC . Pile Ø 1.5m
M.C		50 < L < 100	F		H - Section Wall Applicable to the High Pier H ≥ 25	D		Open Well Applicable to Mountain area
						E		RC . Pile . Ø 3.0m (Chicago Board Method)

BC. 4- 2

DWG No.

LIST OF BRIDGES AND VIADUCTS

					BRII	GE						
	Length	Number	Ty	pe			Length	Number	Ту	ре		
STA.	(m)	of Spans	Super-	Sub-	Remark	STA.	(m)	of Spans	Super-	Sub-	Remark	
~ · / · ·	(,,,,	or opanio		structure			` ′	,	structure	structure		
			otraotaro	Oll ad tall	Canal:						Canal:	
	44.0	4 44 0	Λ.	Α	TH=65cm	62+400	30.0	2 x 15.0m	Α	Α	TH=95cm	
4+830	11.0	1 x 11.0m	A			02+400	30.0	Z X 13.0111			Canal:	
					Canal:	01.010	- 0				TH=35cm	
10+620	21.0	1 x 21.0m	B - 1	<u>A</u>	GH=1.0m	64+910	5,0	1 x 5.0m	Α	Α		
				<u> </u>	Pond:			1	_		Canal:	
11+970	15.0	2 x 7.5m	Α	Α	TH=45cm	65+770	15.0	2 x 7.5m	A	Α	TH=50cm	
					Canal:					· ·	Canal:	
13+850	6.0	1 x 6.0m	Α	Α	TH=40cm	66+100	5.0	1 x 5.0m	Α	Α	TH=35cm/	
					Canal: !						Canal:	
15+470	17.0	2 x 8.5m	Α	l a	TH=55cm	68+100	7.0	1 x 7.0m	Α	Α	TH=45cm	
101770	17.0	E X O.O.II			Canal:						Canal:	
17+880	140	1 x 14.0m	A	A	TH=85cm	74+460	7.0	1 x 7.0m	Α	Α	TH=45cm	
17+000	14.0	1 X 14.011		-	Canal:	741400	7.0	1 / 7/0///			Canal:	
47 070	4-7-0	0 05			/ <del>*</del> * * *	75+400	350	2 x 7.5m	Α	Α	TH=50cm	
17+970	17.0	2 x 8.5m	Α	A	TH=55cm	75+400	15.0	2 X 7.5III			Canal:	
					Canal:							
19+000	6.0	1 x 6.0m	A	A	TH=40cm	77+280	8.0	1 x 8.0m	<u> </u>	Α	TH=50cm	
<del>"</del>			1		Canal:					_	Canal:	
23+500	9.0	1 x 9.0m	A	Α	TH=55cm /	78+180	22.0	2 x 11.0m	A	A	TH=65cm	
					Canal:						Canal:	
24+500	17.0	1 x 17.0m	B - 1	l A	GH=1.0m	79+400	6.0	1 x 6.0m	Α	Α	TH=40cm	
				T	Canal:						Canal:	
33+300	9.0	1 x 9.0m	A	A	TH=55cm	81+470	7.0	1 x 7.0m	Α	Α	TH=45cm	
001000			<del> '`</del>	<del>                                     </del>	Canal;						Canal:	
33+460	70	1 x 7.0m	A	A	TH=45cm	82+370	12.0	2 x 6.0m	Α	A	TH=40cm	
331400	1.0	1 X 7.011		<u> </u>	Canal:	024010	12.0	2 X 0.0111			Canal:	
						00.050		4 00	A	Α	TH=40cm	
33+930	9.0	1 x 9.0m	A	A	TH=55cm	83+850	6.0	1 x 6.0m	^		Canal:	
					Canal:	ľ				.		
37+650	15.0	2 x 7.5m		A	117=45011	85+900	6.0	1 x 6.0m	A	Α .	TH=40cm	
39+050		2 x 25.0m	i	Α	Pond : GH=1.1m, 1.3m			·			Canal:	
~39+220	170.0	4 x 30.0m	B - 3	A	L=25+4x30+25	86+480	24.0	2 x 12.0m	A	A	TH=70cm	
	[				Canal: GH=1.0m						Canal:	
42+510	40.0	2 x 20.0m	B - 1	Α	L=2x20m	88+650	7.0	1 x 7.0m	Α	A	TH=45cm	
					Canal:						Canal: Relocate	
43+100	12.0	1 x 12.0m	A	A	TH=70cm	95+870	10.0	1 x 10.0m	- A	Α.	TH=60cm	
			†		Canal;						Canal:	
44+280	100	1 x 10.0m	A	Α	TH=60cm	97+200	20.0	1 x 20.0m	B - 1	A	GH=1.0m	
471200	10.0	1 × 10.011	<del> </del>	<del>                                     </del>	Canal:	071200	20.0	1 7 20.0111			Canal:	
40.000	100	1 x 12.0m				101+040			Α	A	TH=55cm	
46+300	12,0	1 X 12.0m	A	Α .	TH=70cm	101+040	9.0	1 x 9.0m		<del> </del>	Canal:	
				1 .	Canal:				р. 4		GH=1.0m	
46+630	20.0	1 x 20.0m	B - 1	A	GH=1.0m	102+730	32.0	2 x 16.0m	B - 1	A		
			1		Canal	1					Pond:	
48+570	9.0	1 x 9.0m	A	Α	TH=55cm	107+100	40.0	2 x 20.0m	B - 1	A	GH=1.0m	
					Canal:	l -					Canal:	
49+230	10.0	1 x 10.0m	A	Α	TH=60cm	107+160	7.0	1 x 7.0m	A	A	TH=45cm	
	1	1	1		Canal:				1		Canal:	
51+930	9.0	1 x 9.0m	A .	Α	TH=55cm	109+850	14.0	1 x 14.0m	A	Α	TH=85cm	
	† <u></u>	1	1	†	Canal:		†	1	1		Canal:	
52+700	190	1 x 19.0m	B - 1	Α	GH=1.0m	112+150	18.0	1 x 18.0m	B - 1	A	GH=1.0m	
Ja. + / UU	1	1 1 2 19.01	, w - l		Canal:	TIETIOU	10.0	1 7 10.011	<del> </del>	1	Canal:	
50.000		1 - 100	,			115 100	100		Α	A	TH=55cm	
53+800	13.0	1 x 13.0m	1 A	A	TH=70cm	115+160	18.0	2 x 9.0m	<del></del>	<del>                                     </del>	Canal:	
		] , .:	1 .		Canal:	l		1	D 4			
55+300	8.0	1 x 8.0m	1 A	· A	TH=50cm	117+050	22.0	1 x 22.0m	B 1	A	GH=1.0m/  \	
			1.	1.	Canal:		1.5				711 05	
57+100	11.0	1 x 11.0n	<u> </u>	A	TH=65cm	117+050	11.0	1 x 11.0m	A	A	TH=65cm	
					Canal:		1		]		Canal:	
57+760	6.0	1 x 6.0m	n A	A	TH=40cm	118+670	6.0	1 x 6.0m	A	Α	TH=40cm	
l	†*****************	1	<b>1</b>		Canal:		1				Canal:	
59+100	100	1 x 10,0n	n A	A	TH=60cm	124+600	22.0	1 x 22.0m	B - 1	Α	GH=1.0m	
	+	7 70,011		+	Canal:	12.71.000		I A EEIVIII			1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	
		1 x 10.0n	n A .	A	TH=60cm	124+600	44.0	1 x 11.0m	A	Α	TH=65cm	
59+320	11 100											

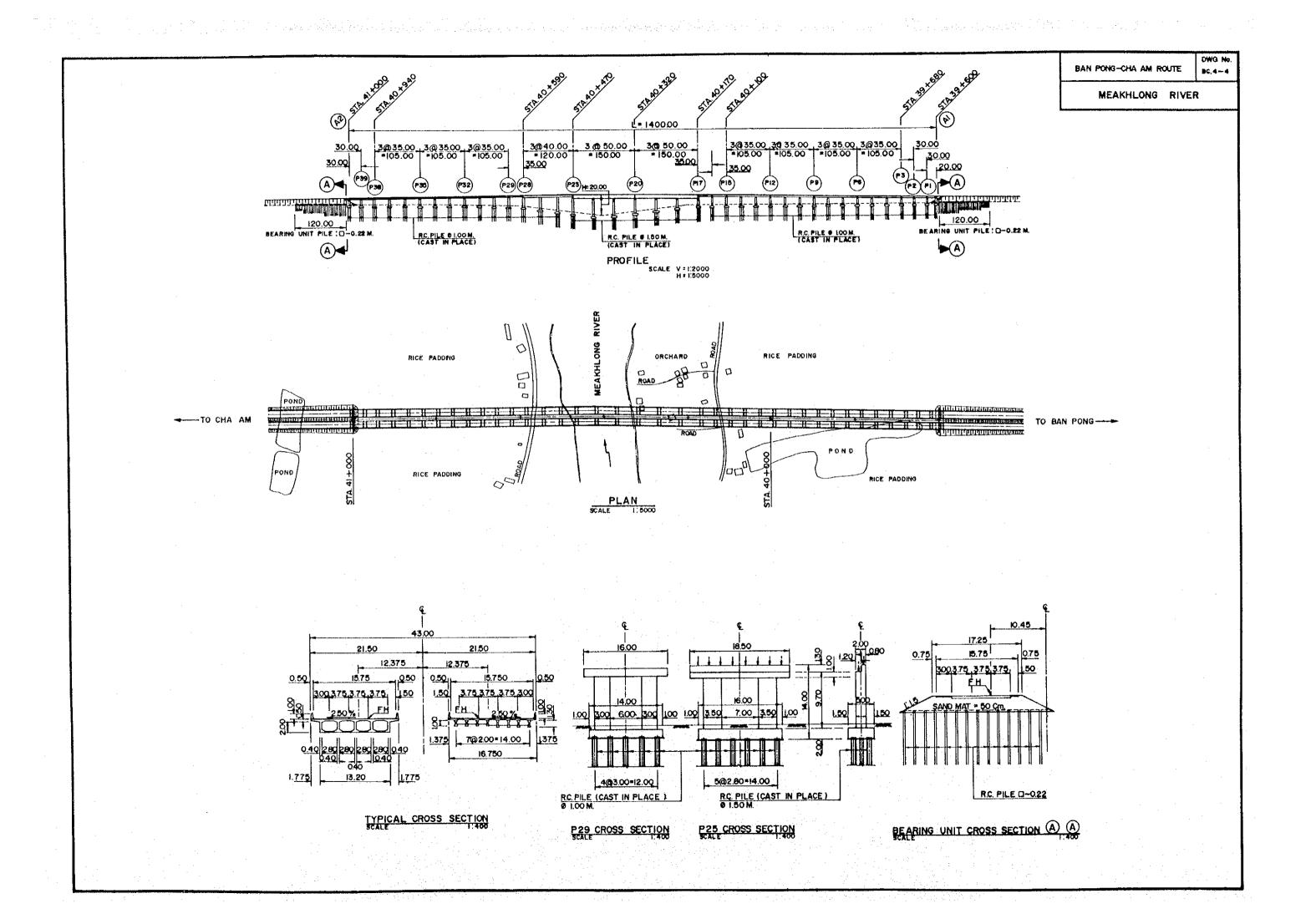
				١	/ I A D U	CT		
	Length	N	umber					
STA.	(m)	of	Spans	3	Super-	Sub-	Foun-	Remark
					structure	structure	dation	
0+600								
~1+800	1200	40	x 30.0	)m		E	C 1	Ban pong J/C
		64	x 35.0	m	B - 3	E	C - 1	
		2	x 50.0	)m	1	E	C - 3	
6+751	2650	5	x 40.0	)m	1	Ε	C - 2	Railway ,
~9+400			x 30.0		1	E	C - 1	Ban pong I/C
			x 20.0		<del></del>	Ε	C - 1	
			x 30.0		1	E	C - 1	
19+400	3100		x 35.0			E	C - 1	R 3080
~22+500		_	x 50.0	_	<del></del>	E	C - 3	Photharam I/C
			x 35.0		i .	Е	C - 1	
60+650	1050		x 40.0		1	Ε	C - 2	Pak Tho I/C
~61+700			x 50.0		<del>[                                    </del>	E	C - 3	
			x 35.0			E	C - 1	
63+200	800		x 45.0	- :		Ε	C - 2	Railway
~64+000			x 40.0		<del></del>	E	C - 2	
			x 30.0			E	C - 1	<u> </u>
86+750			x 35.0		1	E	C - 1	R 4
~87+650		1	x 50.0	m	B - 4	E	C - 4	
104+300								Tha Yang I/C
~105+200	900		x 30.0			E	C - 1	R 3187
			x 35.0			E	C - 1	
125+000			x 50.0			E	C - 3	
~125+800	800	1	x 35.0		ŀ	E	C - 1	R 4 Bypass
		2	x 25.0	)m	B - 1	E	C - 1	<u> </u>

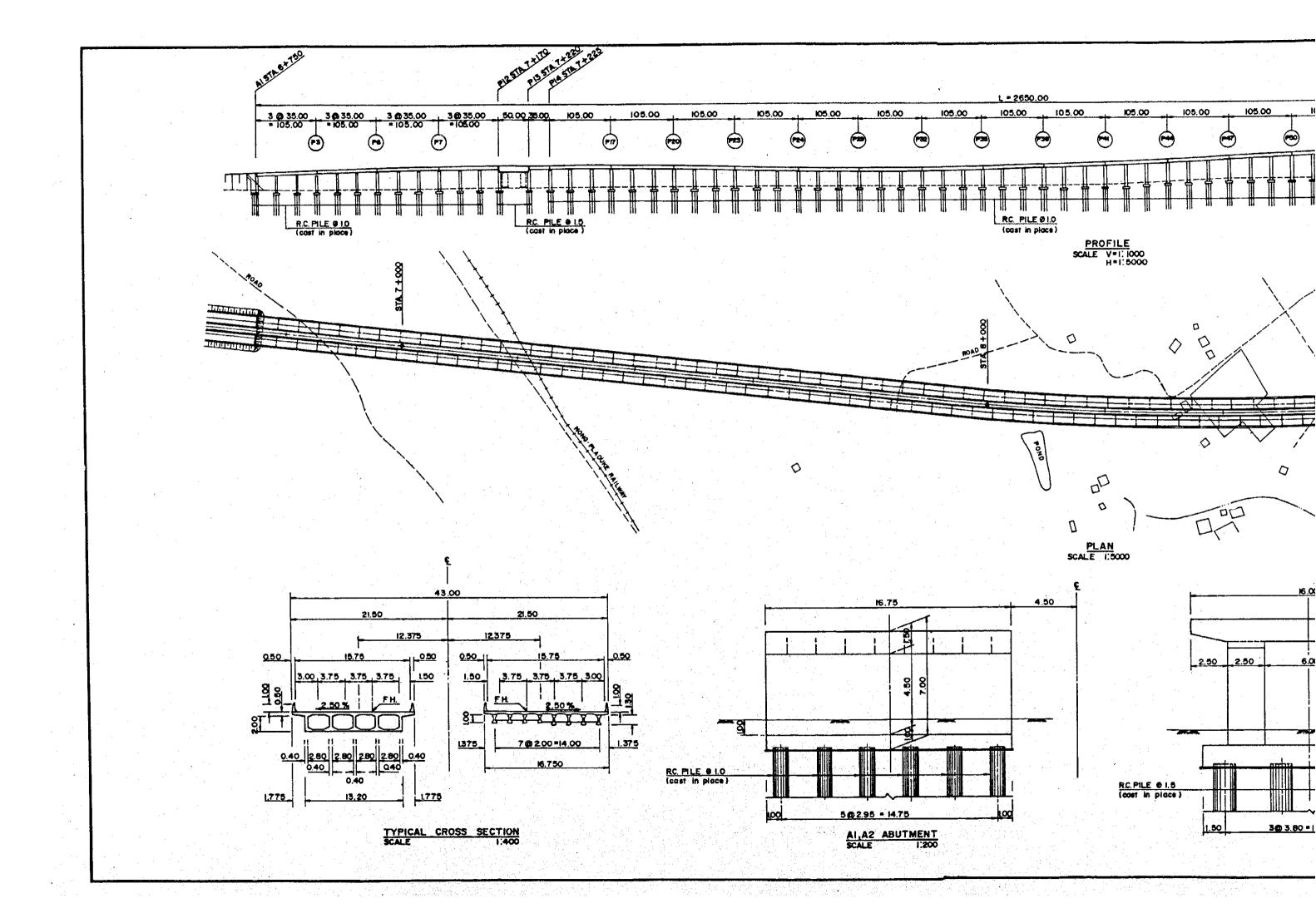
		RIVER	OVERC	ROSSING	G	
	Length	Number		Туре		
STA,	(m)	of Spans	Super-	Sub-	Foun-	Remark
			structure	structure	dation	
3+200						Khlong Yang.
~4+400	1200		B - 3	.D	C - 1	GH≃1.3m
27+400	17	1 x 17.0m	B - 1	Α		
						Khlong Sala .
32+750	36	1 x 36.0m	B - 3	Ε	C - 1	GH≂1.8m
35+750	22		B - 1	Α		
36+600	12	1 x 12.0m	Α	Α		
						Mea Nam
39+600	1400	32 x 32.5m	B - 3	D	C - 2	Mea Khlong.
~41+000		8 x 45.0m	B - 4	D.	C - 3	GH=2.3m,1.4m
58+700	36	2 x 18.0m	B - 1	Α		Khlong Wan Dav
66+800	17	1 x 17.0m	B - 1	Α		
						Khlong Bot
73+670	- 20	2 x 10.0m	Α	Α		TH=60cm
80+250	13	1 x 13.0m	Α	Α		TH=70cm
102+930			·.			
~103+030	100	4 x 25.0m	B - 1	Α		GH=1.0m
103+450				7	-	Phetchaburi
~103+750		10 x 30.0m	1	-D	C - 1	River
112+500	12	1 x 12.0m	Α	Α		Yang Strean

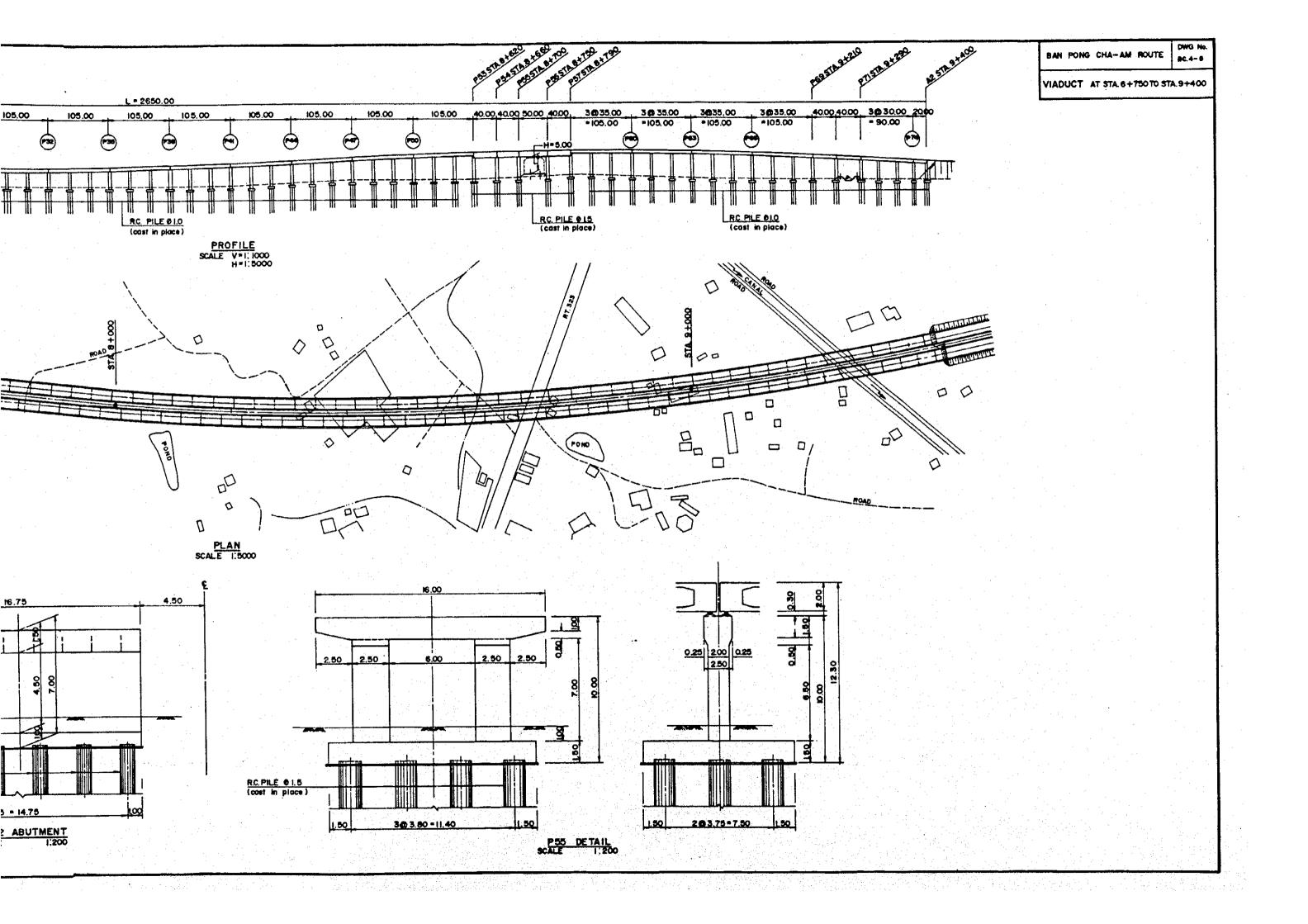
AND BOX CULVERTS

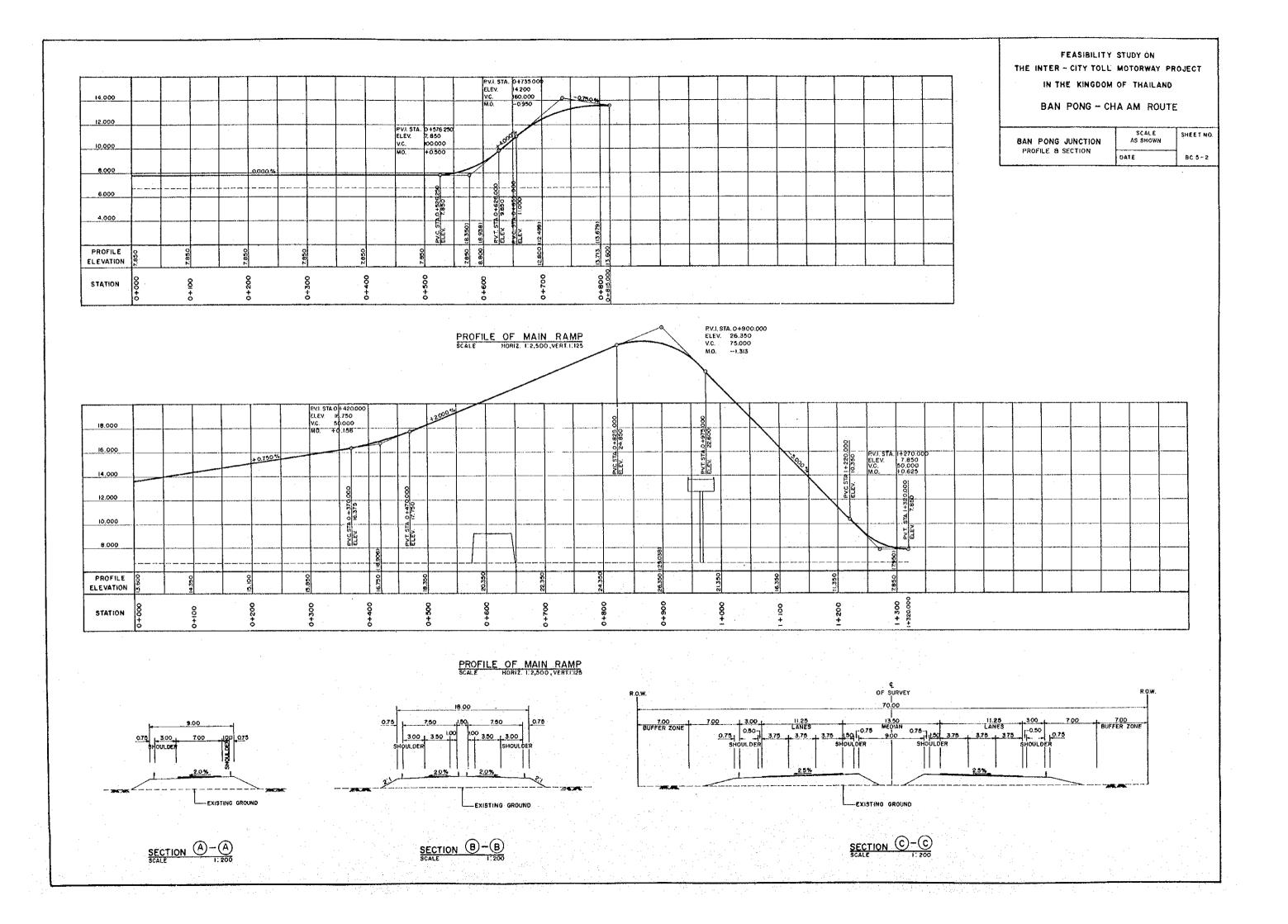
					OVERB	RIDG	E				
STA.	Length (m)	Width (m)	Number of Spans	Type	Remark	STA.	Length (m)	Width (m)	Number of Spans	Туре	Remark
			2 x 35.0m						2 x 35.0m		R 3172
1+850	170.0	5.0	4 x 25.0m	PC Post-Ten	Gradient 5%	73+400	170.0	6.0	4 x 25.0m	PC Post-Ten	Gradient 5%
			2 x 35.0m	1					2 x 35.0m		
4+830	170.0	5.0		PC Post-Ten	Gradient 5%	74+460	170.0	6.5	<del></del>	PC Post-Ten	Gradient 5%
	4700	5.0	2 x 35.0m	1	O	70.400	4700	0.5	2 x 35.0m		0
5+700	170.0	5.0		PC Post-Ten	Gradient 5%	78+480	170.0	6.5		PC Post-Ten	Gradient 5%
10+620	170.0	5.5	2 x 35.0m	PC Post-Ten	Gradient 5%	.83+850	170.0	6.0	2 x 35.0m	PC Post-Ten	Gradient 5%
101020	170.0	0.0	2 x 35.0n	<del></del>	Gradient 670	.001000	11.0.0	0.0	2 x 35.0m		Gradion 670
13+850	170.0	5.0		PC Post-Ten	Gradient 5%	85+900	170.0	5.0		PC Post-Ten	Gradient 5%
		ļ	2 x 35.0n	1					2 x 35.0m		Phetchbaburi I/C.
17+880	170.0	5.0	4 x 25.0n	PC Post-Ten	Gradient 5%	91+370	170.0	6.0	4 x 25.0m	PC Post-Ten	R 3171, Gradient 5%
			2 x 35.0m	1					2 x 35.0m	i	
23+130	170.0	5.0	4 x 25.0n	PC Post-Ten	Gradient 5%	92+380	170.0	6.5		PC Post-Ten	Gradient 5%
			2 x 35.0n	l	R 3335				2 x 35.0m		R 3205
24+020	170.0	5.5		PC Post-Ten	Gradient 5%	93+960	170.0	6.5		PC Post-Ten	Gradient 5%
04 500	470.0		2 x 35.0n	i .	O 45 504	05 070	4700		2 x 35.0m	1	Overdient 50/
24+500	170.0	6.0		PC Post-Ten	Gradient 5%	95+870	170.0	5.0		PC Post-Ten	····
33+300	170.0	5.0	2 x 35.0n	າ  n PC Post-Ten	Gradient 5%	97+200	170.0	5.5	2 x 35.0m	PC Post-Ten	R 3204 Gradient 5%
001000	170.0	0.0	2 x 35.0n		CHACION 078	V) +2.00	170.0	0.0	2 x 35.0m		Gradient 070
35+530	170.0	6.5		PC Post-Ten	Gradient 5%	107+800	170.0	6.0		PC Post-Ten	Gradient 5%
			2 x 35.0n	<del>                                     </del>					2 x 35.0m	· · · · · · · · · · · · · · · · · · ·	R 3175
37+650	170.0	5.0	4 x 25.0n	PC Post-Ten	Gradient 5%	109+850	170.0	6.0	4 x 25.0m	PC_Post-Ten	Gradient 5%
			2 x 35.0n	1					2 x 35.0m		
44+280	170.0	5.0	4 x 25.0n	PC Post-Ten	Gradient 5%	112+150	170.0	6.0	4 x 25.0m	PC Post-Ten	Gradient 5%
	1,500.0		2 x 35.0n						2 x 35.0m	<b>!</b>	
46+630	170.0	5.0		PC Post-Ten	Gradient 5%	114+950	170.0	5.5		PC Post-Ten	Gradient 5%
53+800	170.0	5.0	2·x 35.0n	າ n PC Post-Ten	Gradient E9/	117,050	170.0		2 x 35.0m	PC Post-Ten	Gradient 5%
337000	170.0	3.0	4 x 25.0n	<del></del>	Gradient 5%	117+050	170.0	0.0	2 x 35.0m	<u> </u>	Cladient 578
55+300	170.0	6.5	· ·	n PC Post-Ten	Gradient 5%	118+950	170.0	8.5	· ·	PC Post-Ten	Gradient 5%
	<u> </u>		2 x 35.0n	<del></del>				0.0	2 x 35.0m		
57+760	170.0	5.5	i	PC Post-Ten	Gradient 5%	119+930	170.0	5.0		PC Post-Ten	Gradient 5%
· · · · · · · · · · · · · · · · · · ·			2 x 35.0n						2 x 35.0m		R 3203
59+100	170.0	5.0	4 x 25.0n	PC Post-Ten	Gradient 5%	123+700	170.0	6.0	4 x 25.0m	PC Post-Ten	Gradient 5%
			2 x 35.0n	1					2 x 35.0m		
62+400	170.0	6.0		PC Post-Ten	Gradient 5%	124+050	170.0	6.5		PC Post-Ten	Gradient 5%
A			2 x 35,0n	1					2 x 35.0m		One diam's 50'
64+910	170.0	5.0		n PC Post-Ten	Gradient 5%	130+300	170.0	5.5		PC Post-Ten	Gradient 5%
69 100	170.0		2 x 35.0r		Cradiant 59	101.050	470.0	^ ^	2 x 35.0m		Gradient 5%
68+100	170.0	5.5	4 x 25.0r	PC Post-Ten	Gradient 5%	131+250	170.0	6.0	4 X 25.0M	PC Post-Ten	Gradient 5%

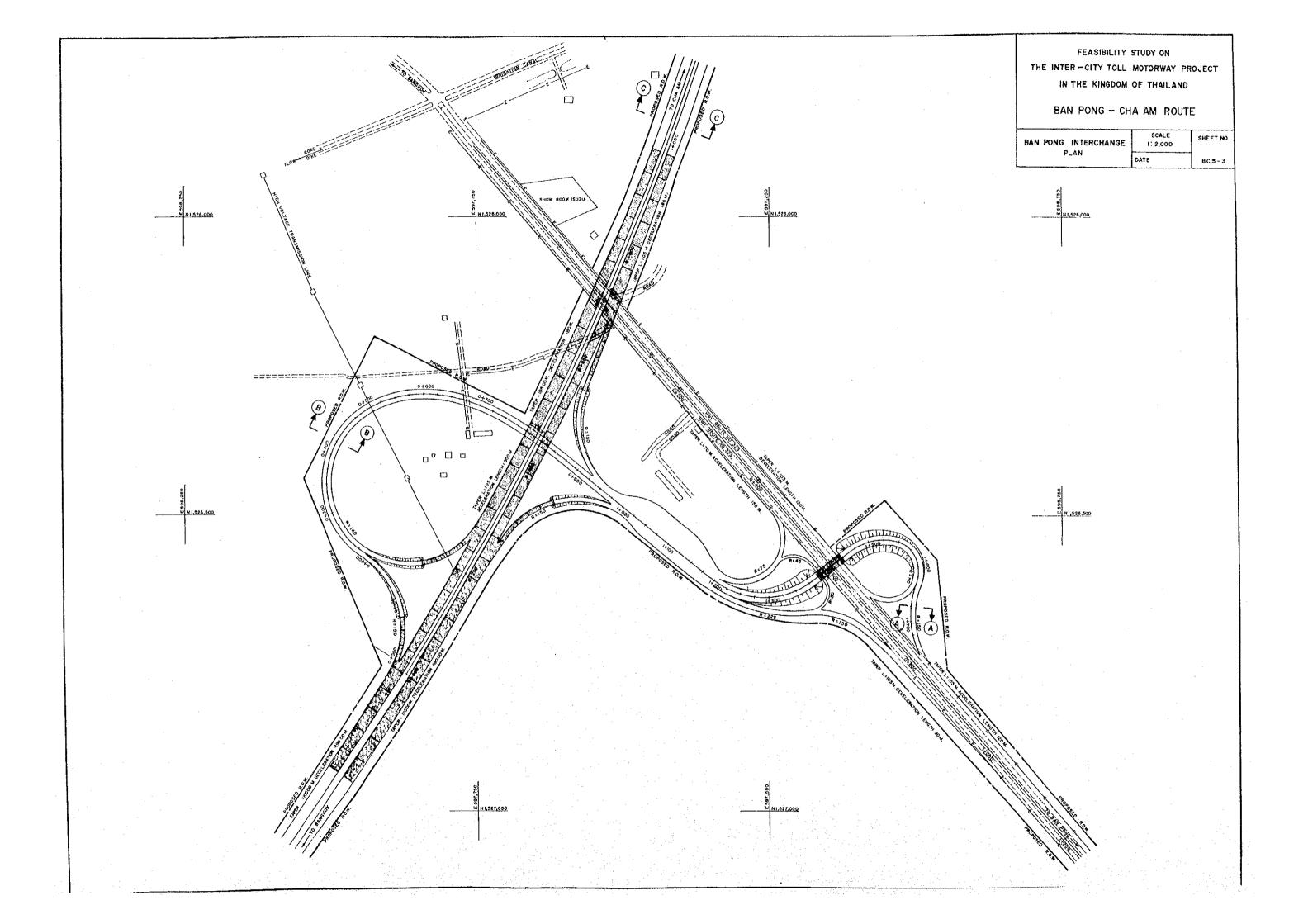
E	BOX CULVERTS				
STA.	Cross Section	Length (m)			
28+770	3.0m x 1.5m	40.0			
30+750	3.0m x 1.5m	40.0			
31+680	3.0m x 1.5m	40.0			
32+080	3.0m x 1.5m	40.0			
38+570	3.5m x 1.8m	40.0			
84+920	3.0m x 1.2m	40.0			
95+120	3.0m x 1.2m	40.0			
110+650	3.5m x 1.5m	40.0			
114+700	2.0m x 1.5m	40.0			
121+120	3.0m x 1.5m	40.0			
133+200	3.5m x 1.8m	40.0			

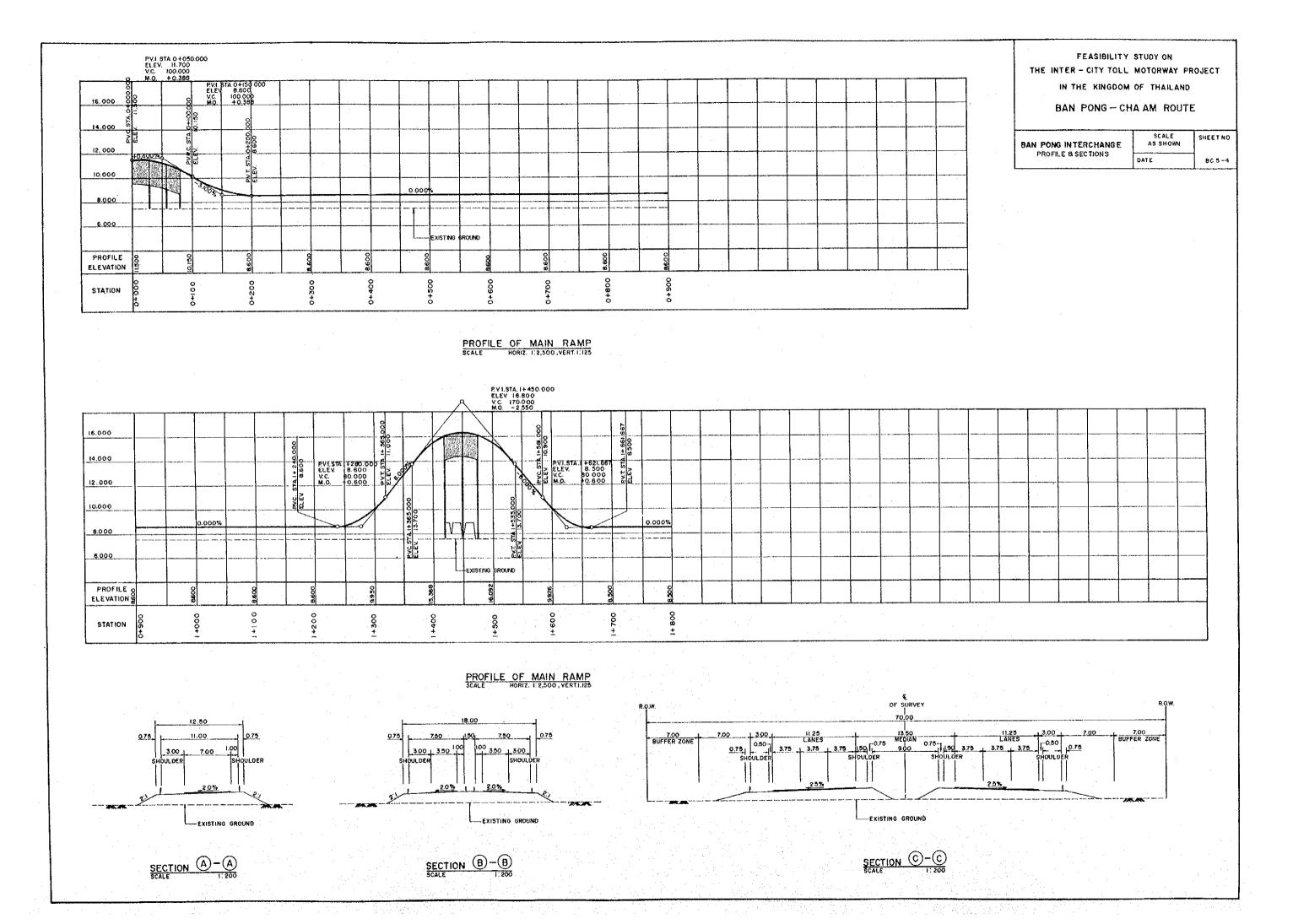


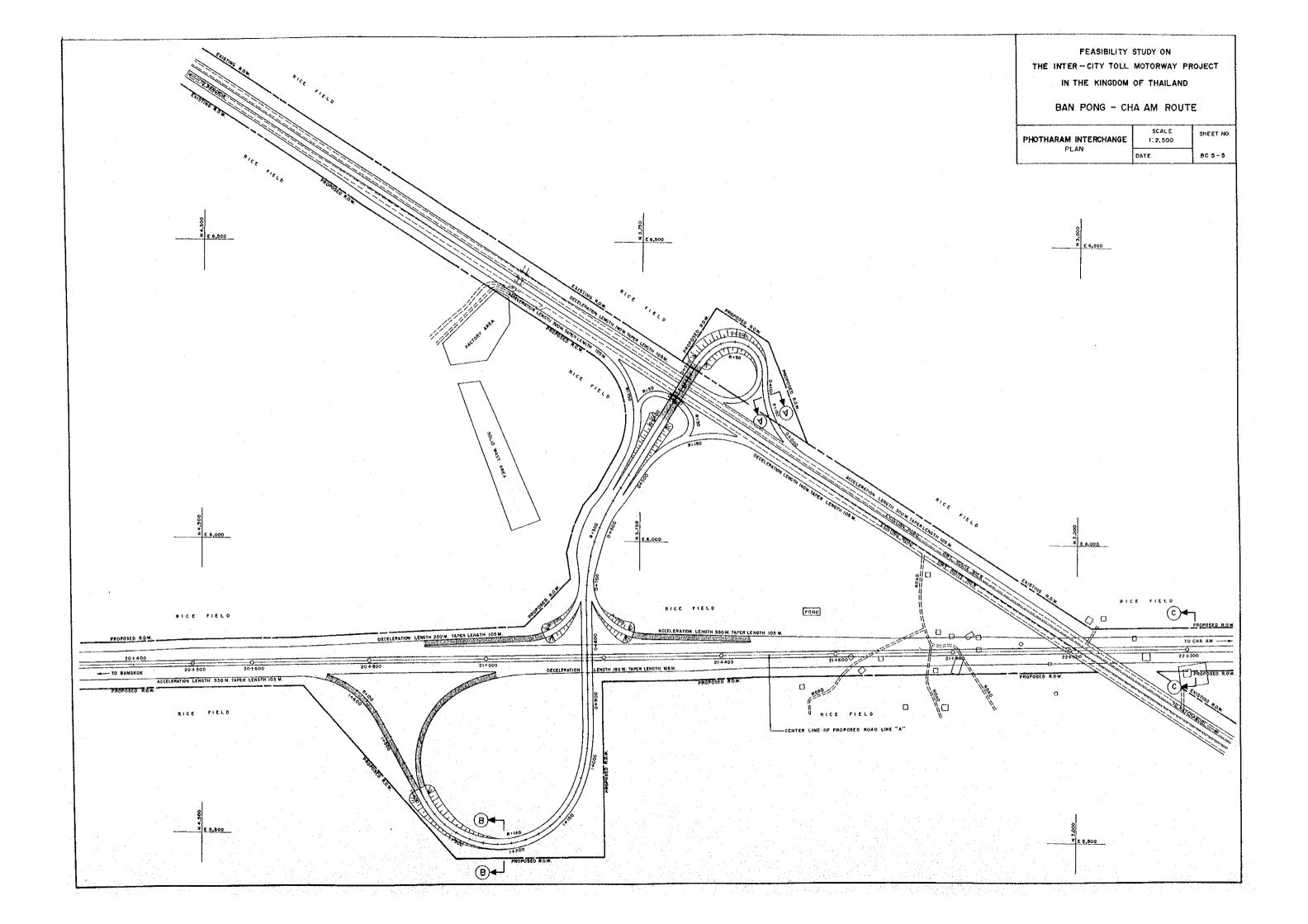


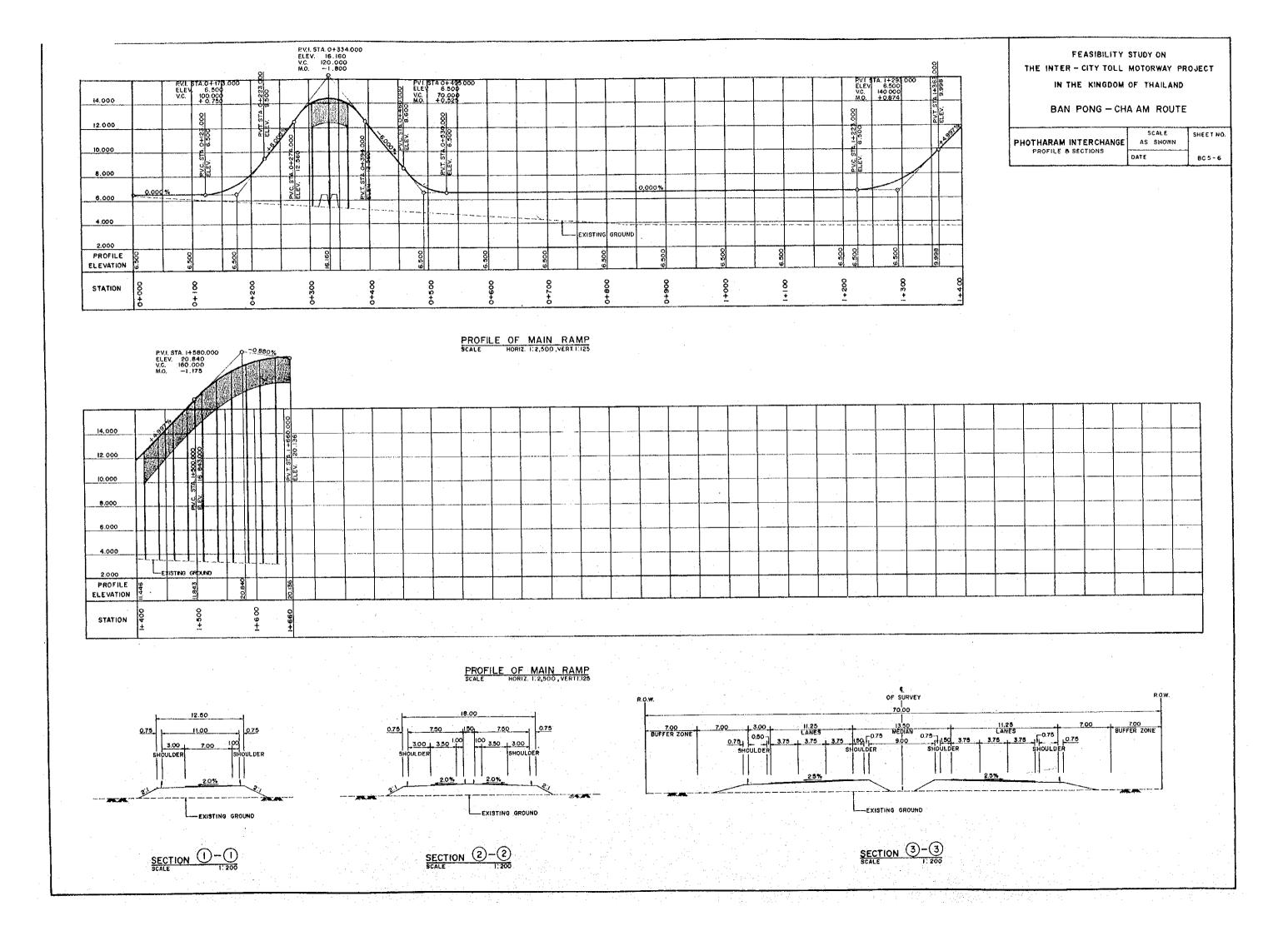


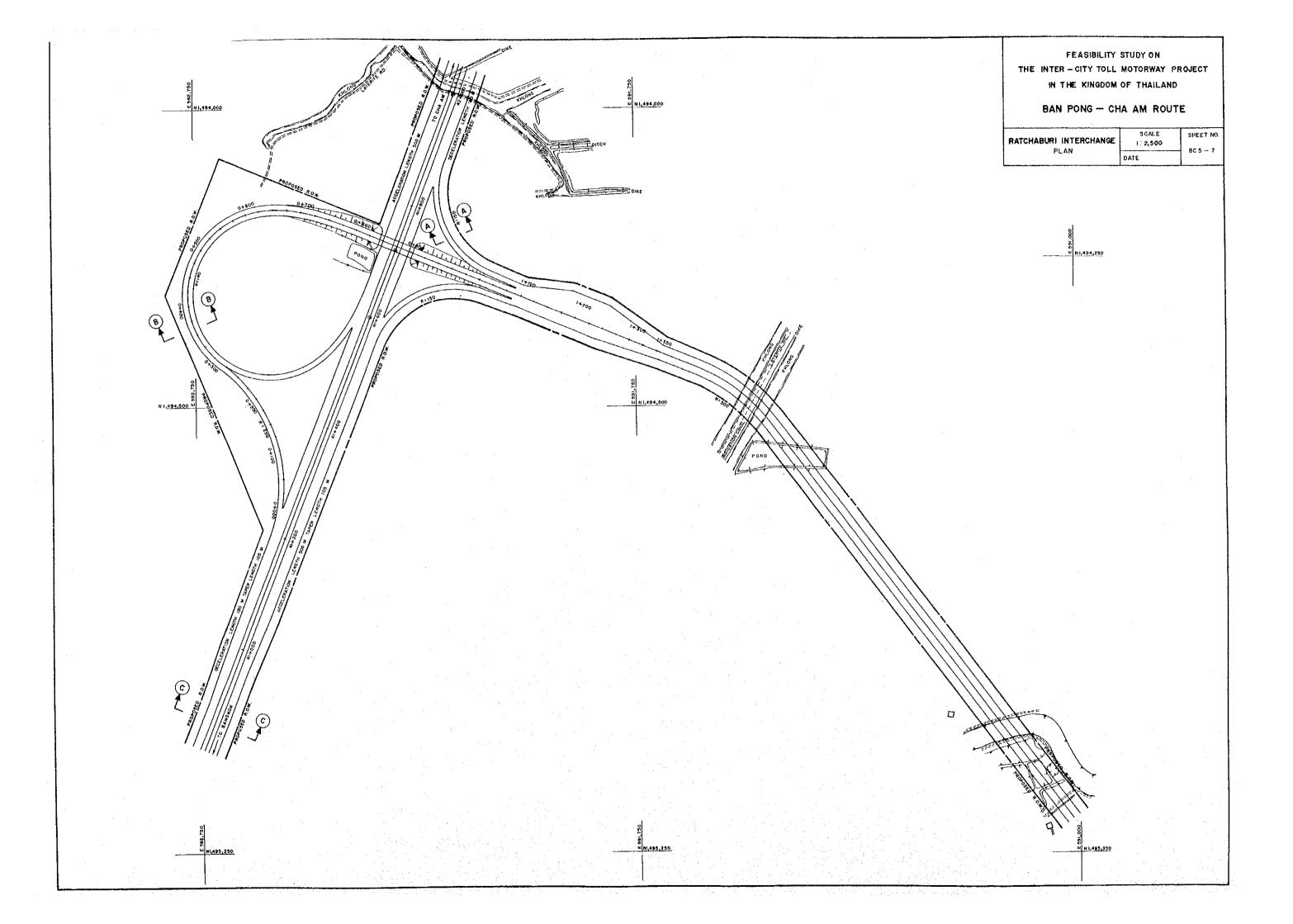


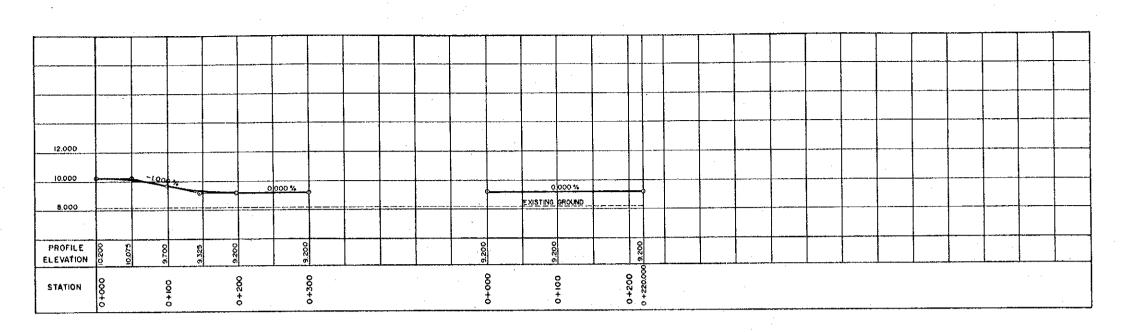












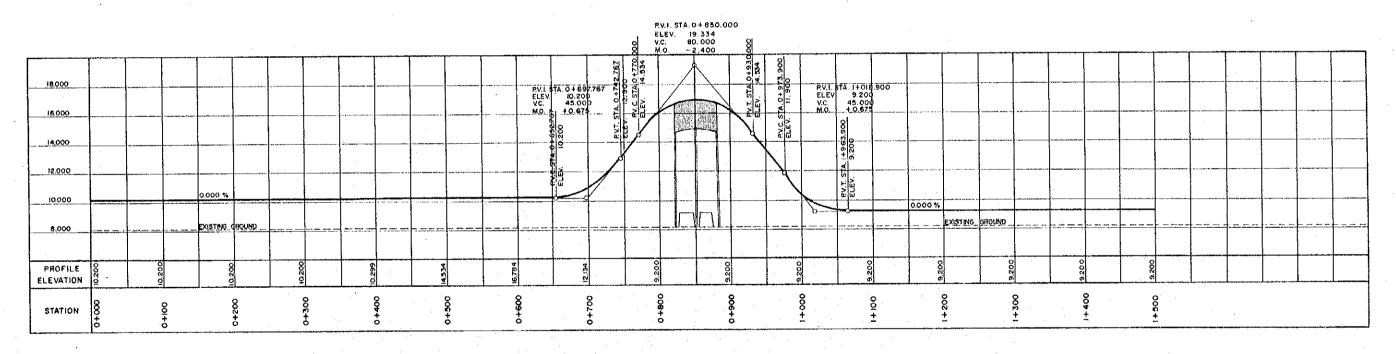
FEASIBILITY STUDY ON
THE INTER - CITY TOLL MOTORWAY PROJECT
IN THE KINGDOM OF THAILAND

BAN PONG - CHA AM ROUTE

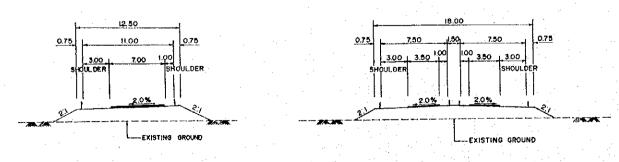
RATCHABURI INTERCHANGE
PROFILE & SECTIONS
DATE

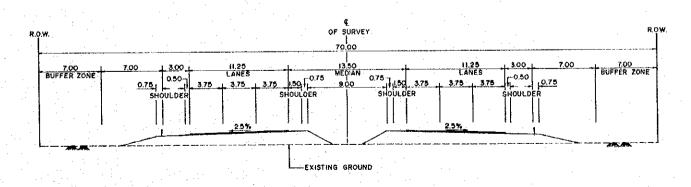
SCALE
AS SHOWN
BC 5 - 8

#### PROFILE OF MAIN RAMP SCALE HORIZ 112,500, VERT 11125

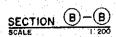


# PROFILE OF MAIN RAMP

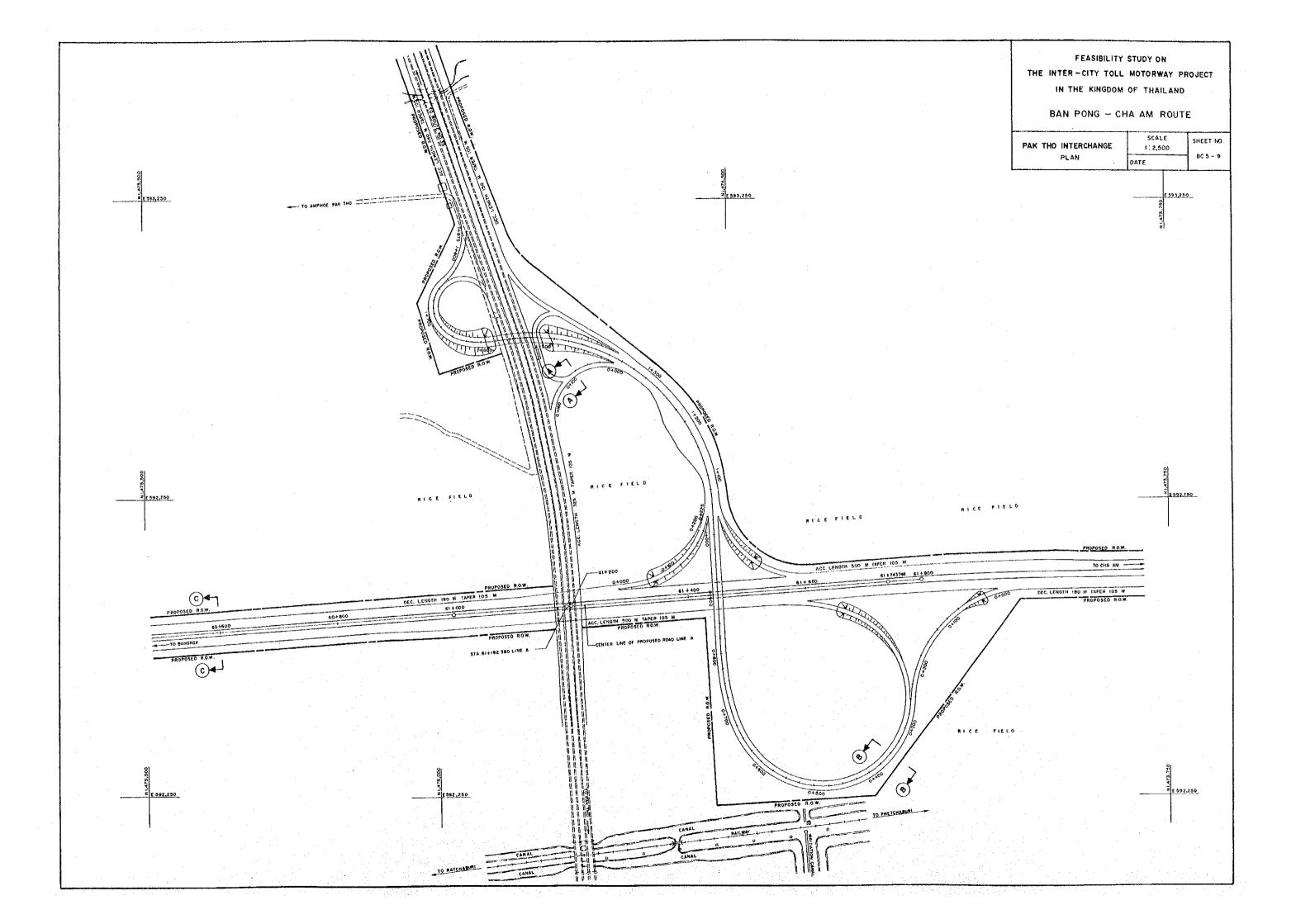


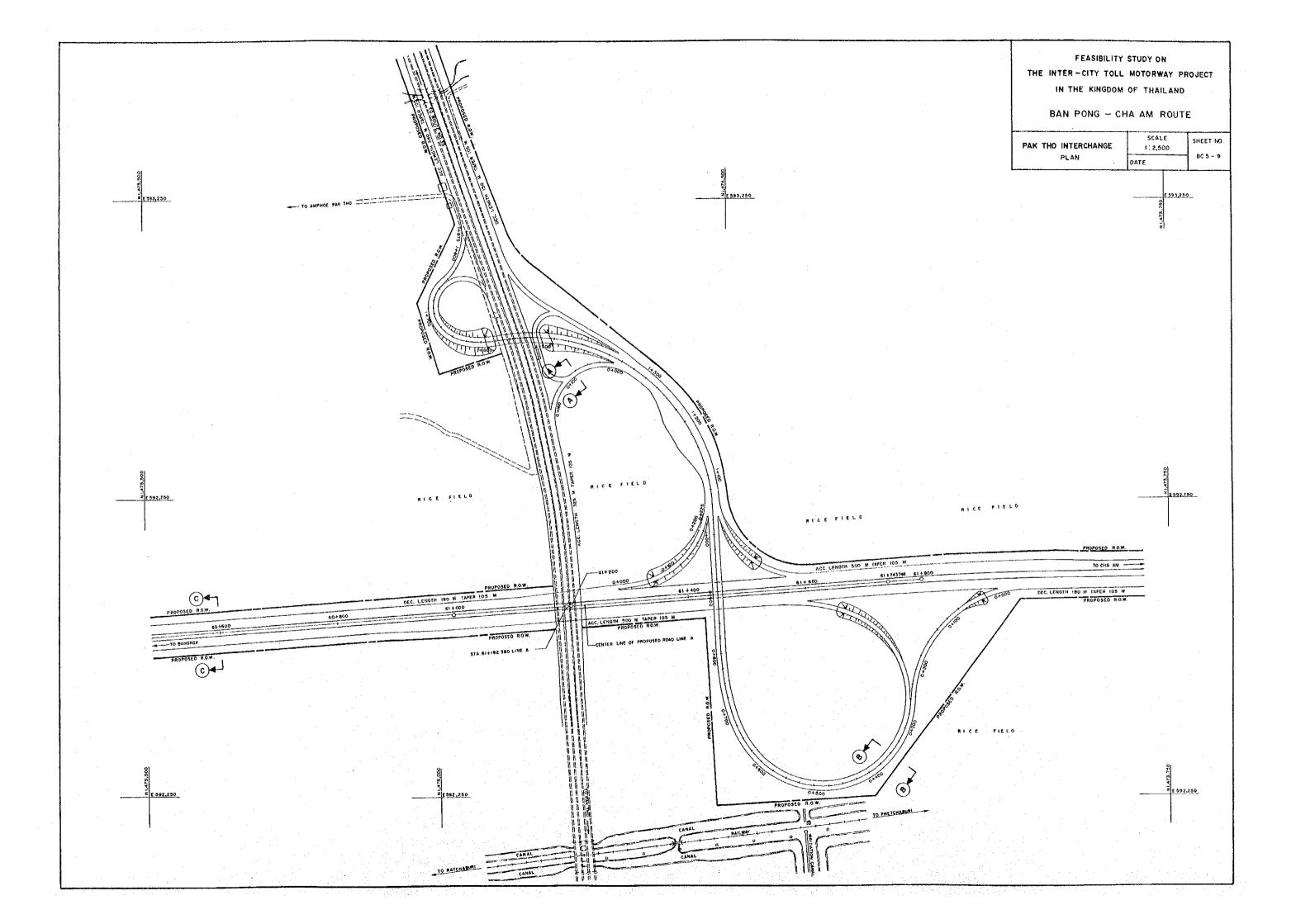


SECTION A-A

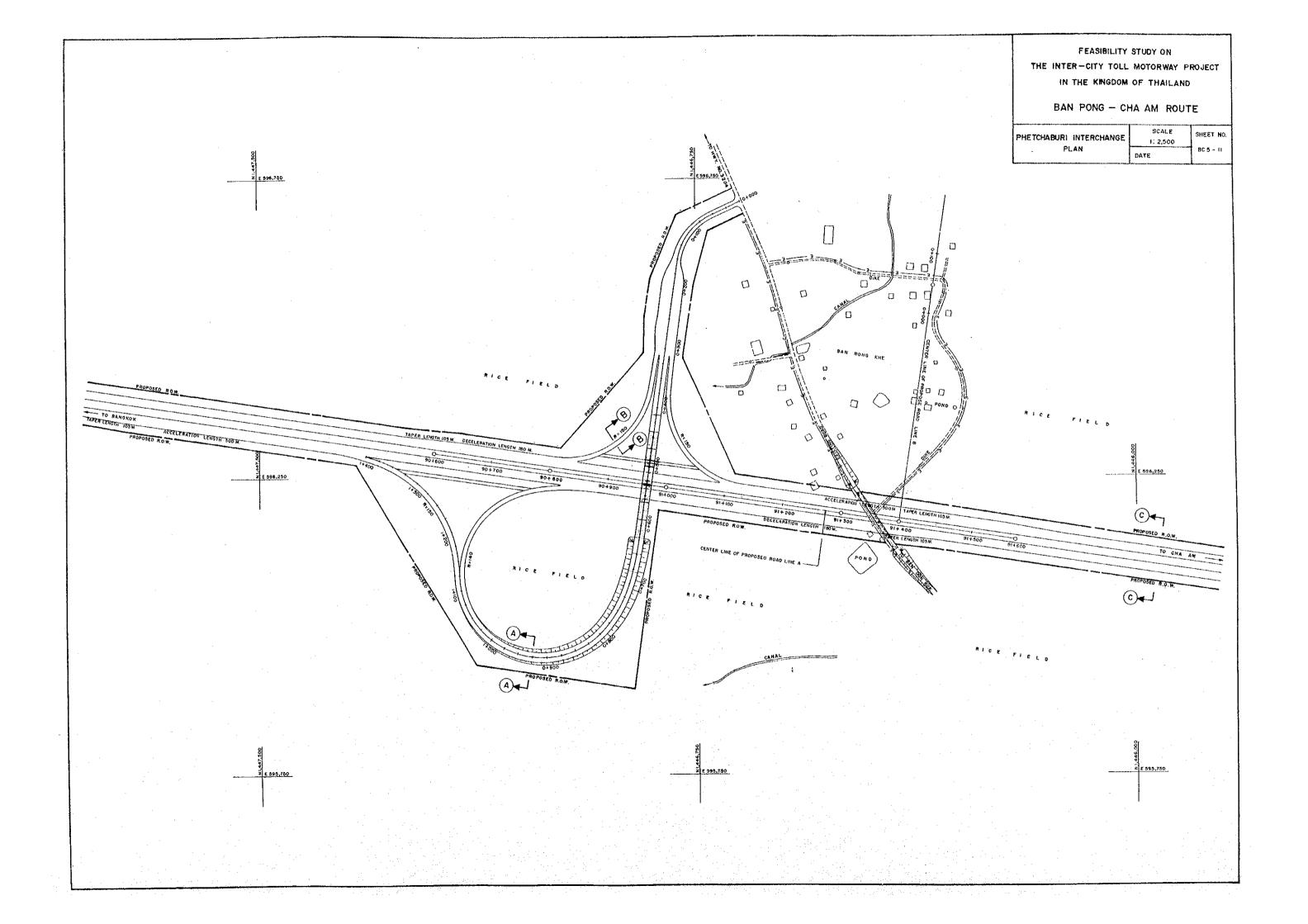


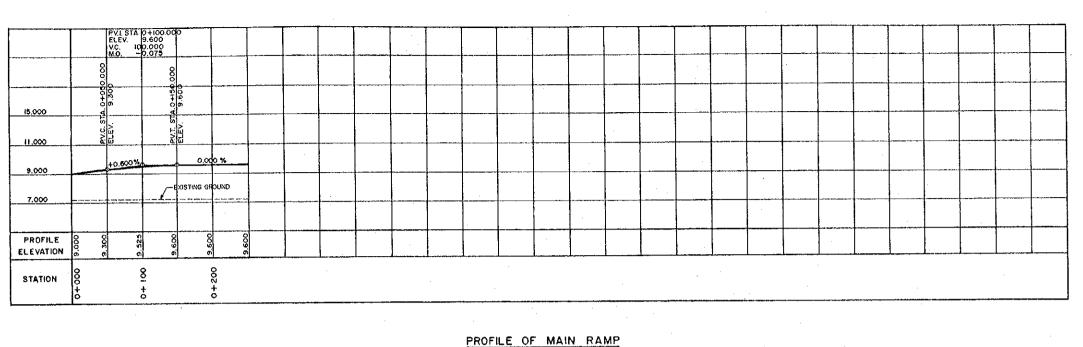
ECTION C-C





FEASIBILITY STUDY ON THE INTER - CITY TOLL MOTORWAY PROJECT IN THE KINGDOM OF THAILAND 12 .000 PVI, STA. 0+106 840 ELEV. 5.750 VC. 40.000 MO. -0.500 BAN PONG - CHA AM ROUTE PROPOSED PROFILE GRADE 10,000 SCALE SHEET NO. PAK THO INTERCHANGE AS SHOWN BC 5 - 10 PROFILE & SECTIONS DATE 4.000 EXISTING GROUND 2.000 PROFILE ELEVATION STATION . † PROFILE OF MAIN RAMP PVI STA, 1453275 ELEV 14.990 VC 55.000 M.O. -1.650 14.000 PVI.STA 1+690 9 ELEV. 5 500 V.C. 25 000 M.O. +0.375 12,000 10.000 8,000 6.000 4.000 EXISTING GROUND 2.000 PROFILE ELEVATION STATION PROFILE OF MAIN RAMP F SURVEY | 13.50 | 11.25 | 3.75 | 1.50 | 1.75 | 1.50 | 1.75 | 1.50 | 1.75 | 1.50 | 1.75 | 1.50 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 7,50 700 BUFFER ZONE 7.00 BUFFER ZONE 0.75 0.75 0.50 3.75 3.75 1.50 0.75
SHOULDER SHOULDER 3.00 | 3.50 1.00 3.00 | L.EXISTING GROUND EXISTING C TOUND EXISTING GROUND





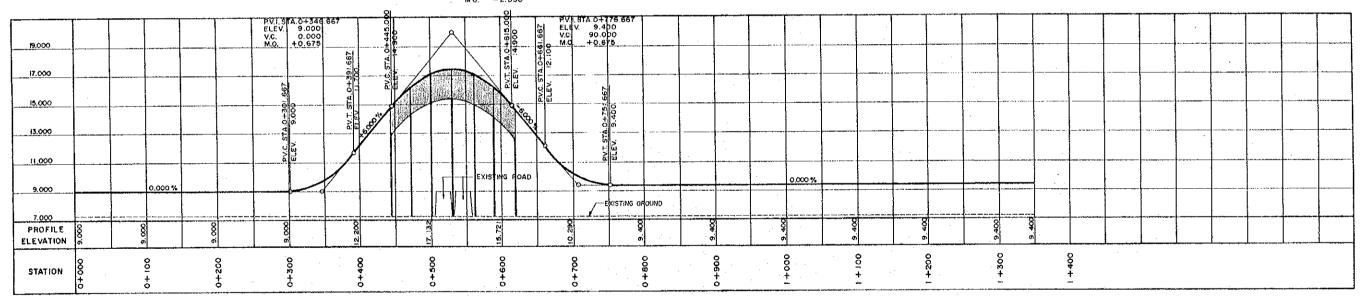
FEASIBILITY STUDY ON THE INTER - CITY TOLL MOTORWAY PROJECT IN THE KINGDOM OF THAILAND

BAN PONG - CHA AM ROUTE

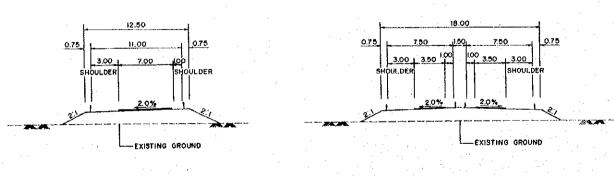
	SCALE	SHEET NO.	
PHETCHABURI INTERCHANGE	AS SHOWN		ı
PROFILE & SECTIONS	DATE	BC5 - 12	

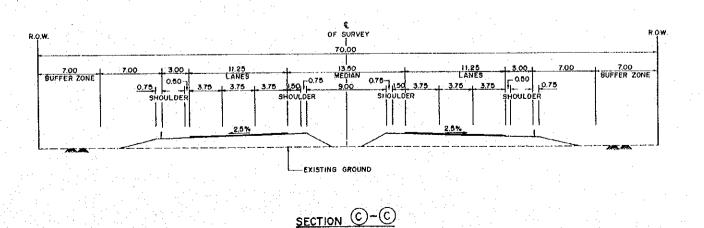
## PROFILE OF MAIN RAMP

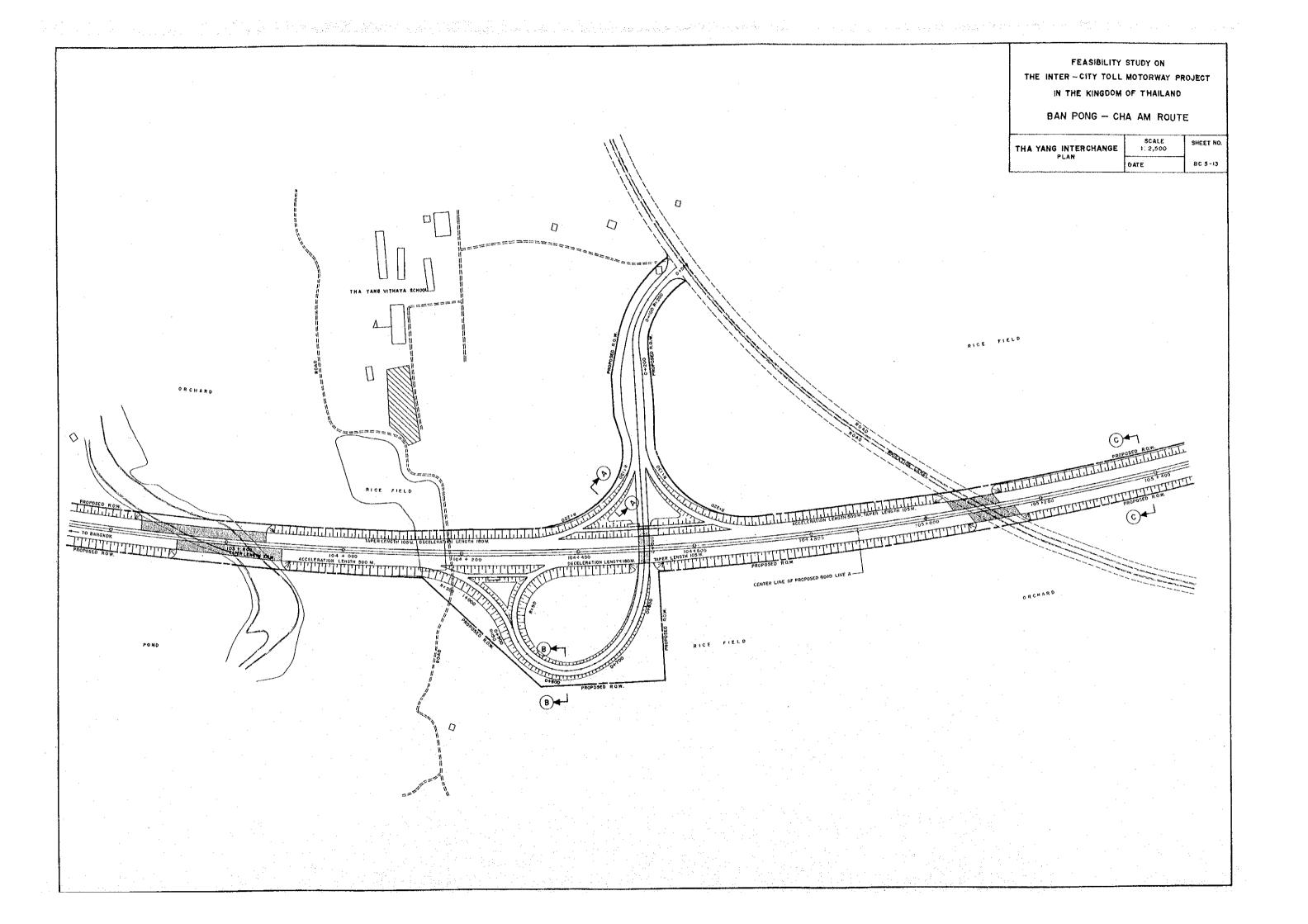
P.V.I. STA, 0 + 346.667 ELEV. 20.000 V.C. 170.000 M 0. -2.850

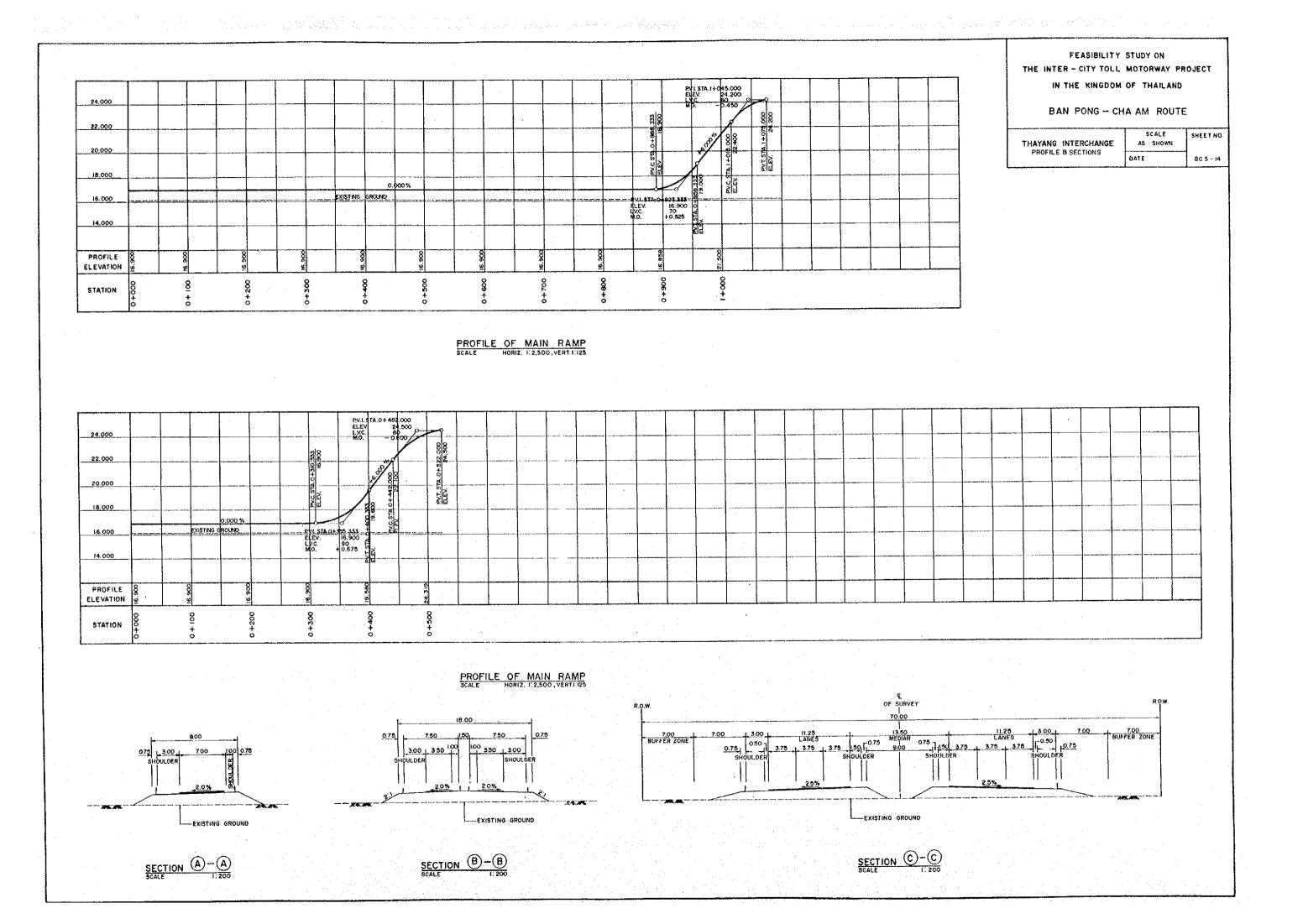


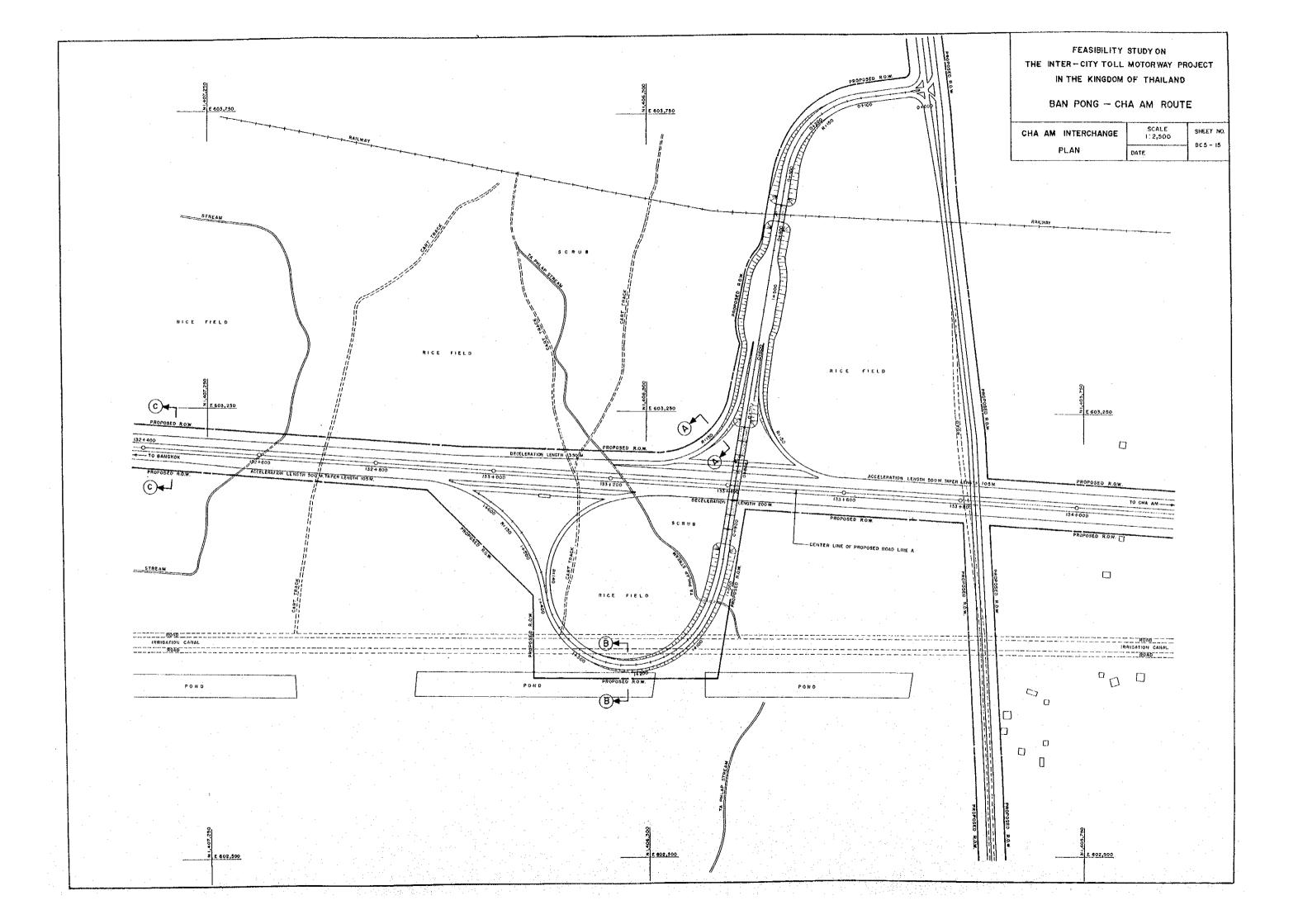
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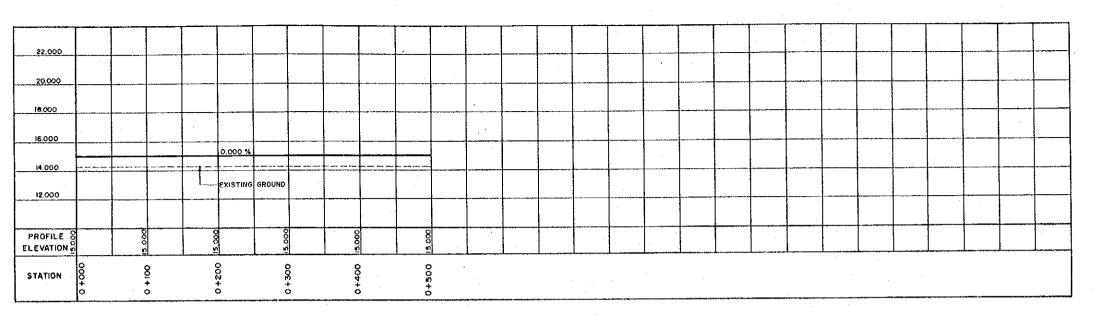








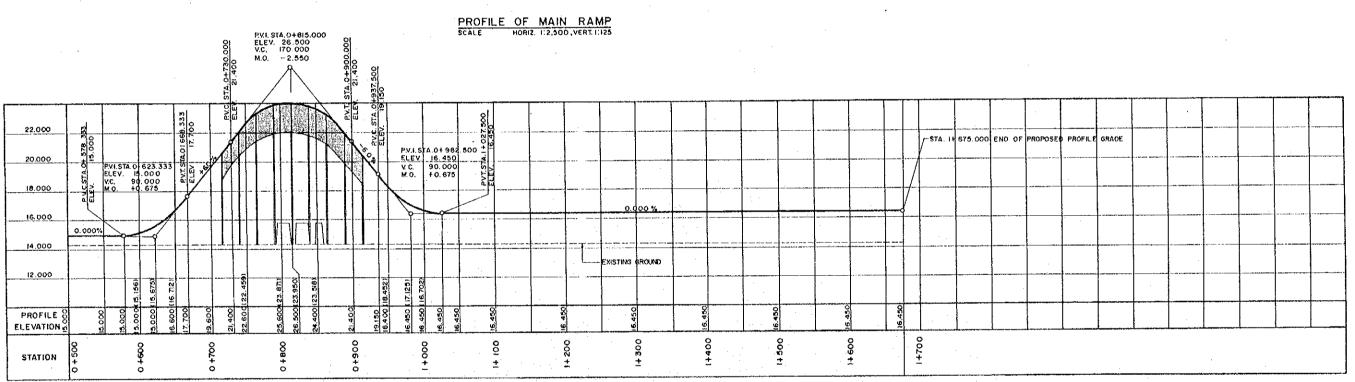


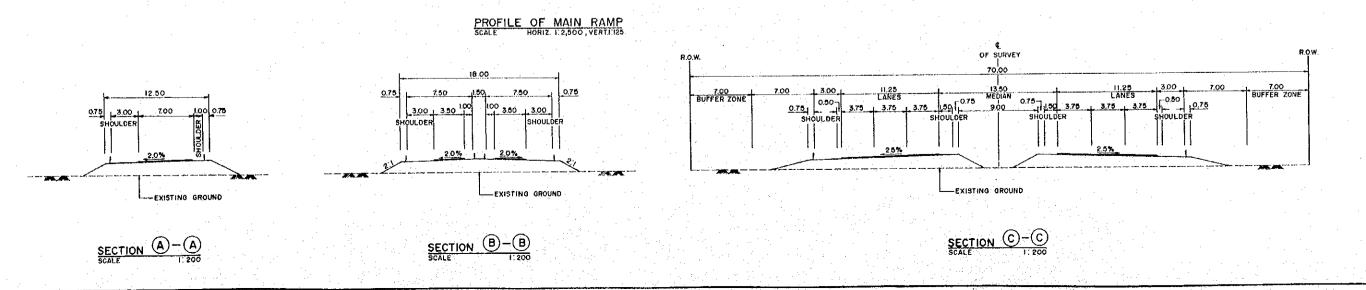


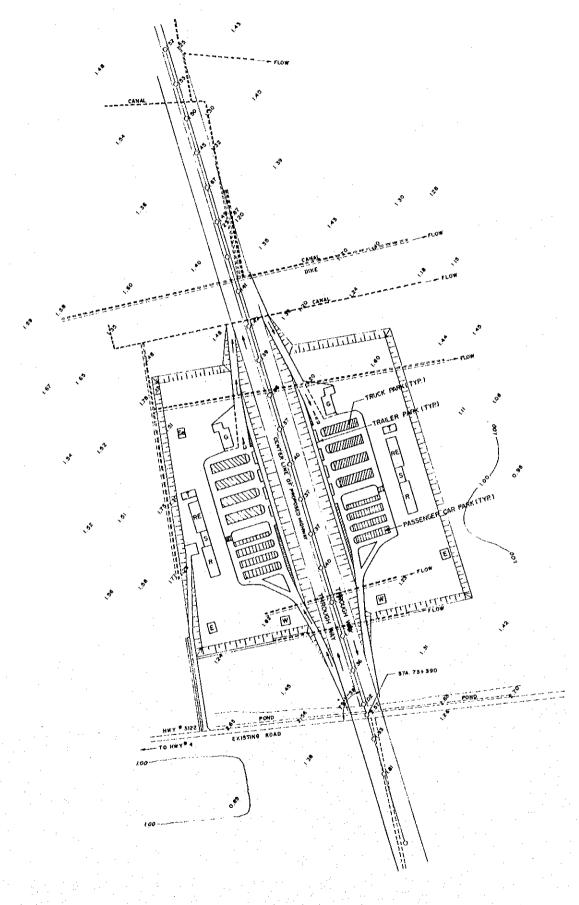
FEASIBILITY STUDY ON
THE INTER - CITY TOLL MOTORWAY PROJECT
IN THE KINGDOM OF THAILAND

BAN PONG - CHA AM ROUTE

CHA AM INTERCHANGE	SCALE AS SHOWN	SHEET NO.
PROFILE & SECTIONS	DATE	BC 5 ~ 16



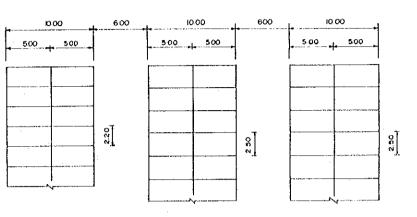




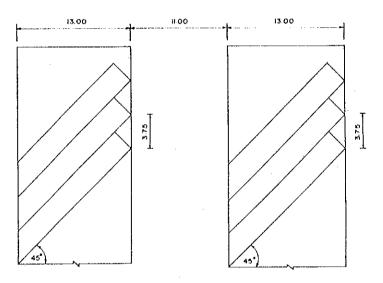
FEASIBILITY STUDY ON THE INTER-CITY TOLL MOTORWAY PROJECT IN THE KINGDOM OF THAILAND BAN PONG - CHA AM ROUTE

LAMPANG - DOI SAKET ROUTE

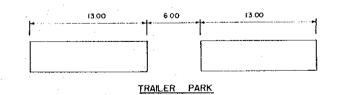
SCALE SHEET NO. REST AREA TYPE "A" 112,500 BC 5 -17 DETAIL DATE



## PASSENGER CAR PARK



TRUCK PARK



PARKING LOT DETAILS

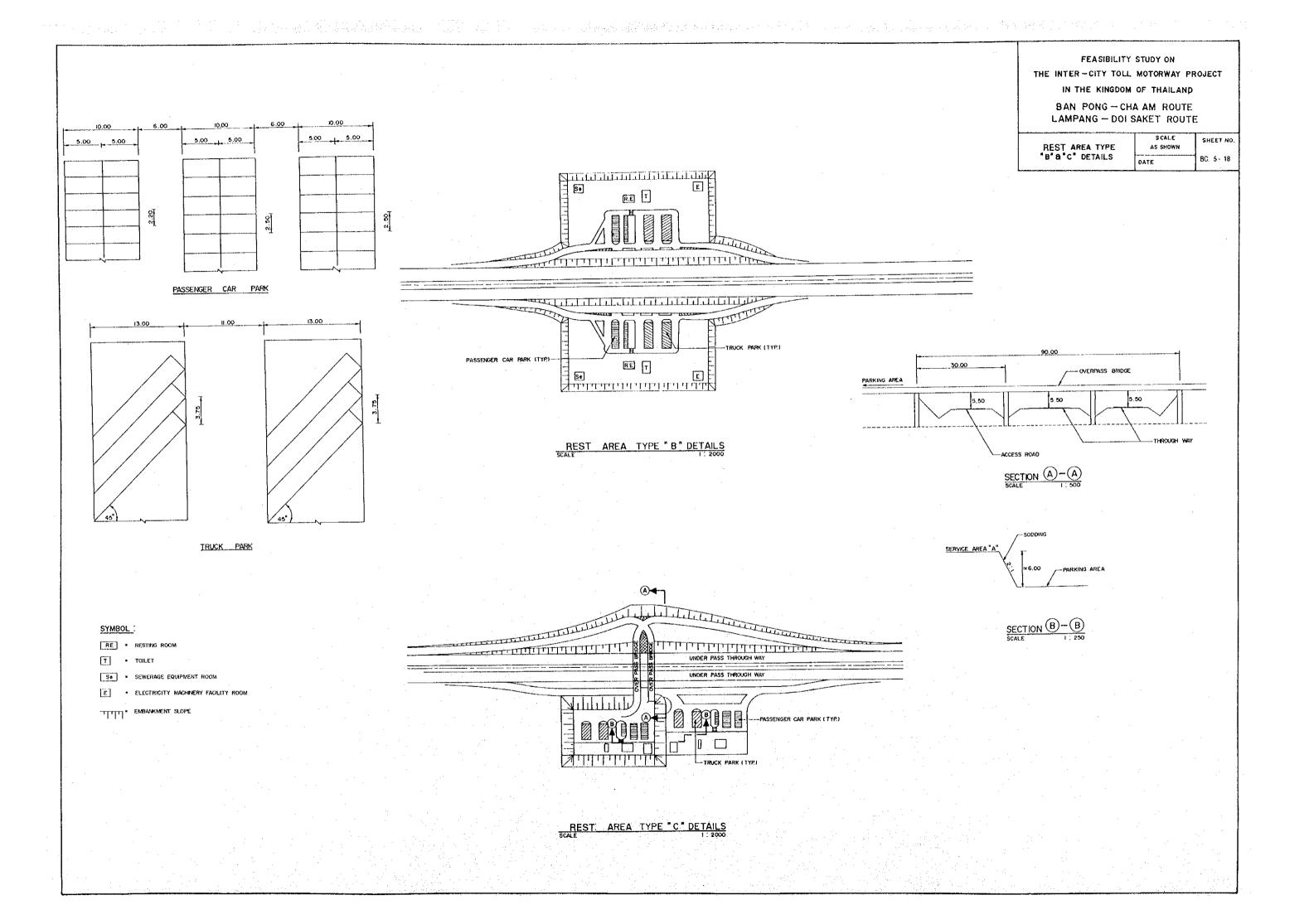
REST AREA TYPE "A" DETAILS

## SYMBOL :

- W . ELEVATED WATER TANK
- R = RESTAURANT
- SHOP
- RE RESTING ROOM
- T . TOILET
- G GAS STATION
- Se . SEWERAGE EQUIPMENT ROOM
- E . ELECTRICITY MACHINERY FACILITY ROOM
- TITT EMBANKMENT SLOPE

## NOTES:

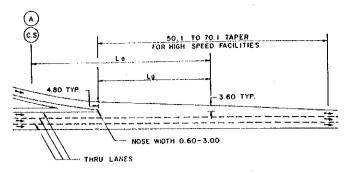
- L THIS PLAN SHOWN PROPOSED SERVICE AREA AT KHAO YOU ON BAN PONG-CHA AM ROUTE.
- 2 THIS TYPE OF SERVICE AREA ALSO WILL BE USED FOR PROPOSED SERVICE AREA AT MAETHA ON LAMPANG- DOI



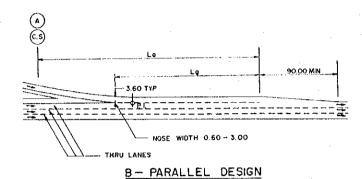
# IN THE KINGDOM OF THAILAND **→**(B) BAN PONG - CHA AM ROUTE LAM PANG - DOI SAKET ROUTE (A) **C** THROUGH WAY SHEET NO **→**(B) TOLL PLAZA BUS STOP DETAILS **→**© BC. 5 · 19 DATE TAPER 1/30 BUS STOP PLAN SECTION C-C SECTION B-B SECTION A-A BUS STOP PLAN BUS STOP TYPE A (INDEPENDENT TYPE) 075 350 600 350 BUSLANE PLATFORM BUSLANE TOLL PLAZA SIDE SECTION F-F BUS STOP PLAN SECTION G-G SECTION D-D BUS STOP TYPE "C" (BETWEEN RAMPS OF ARTERIAL SIDE) BUS STOP TYPE "B" (BETWEEN RAMPS OF MOTORWAY SIDE)

i egi e inggalan aya engkulik mgalak palak aya kalanga kekkera aya kabalaran kalangala kabalaran kuli ali da k

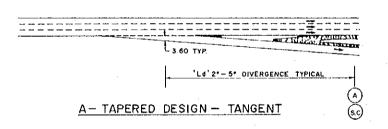
FEASIBILITY STUDY ON
THE INTER-CITY TOLL MOTORWAY PROJECT

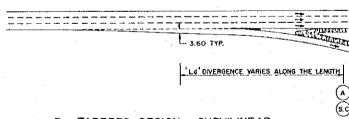


A - TAPERED DESIGN

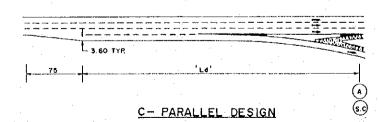


TYPICAL SINGLE-LANE ENTRANCE RAMP

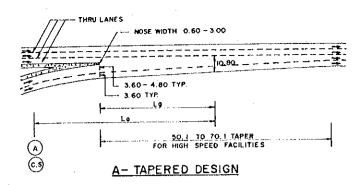


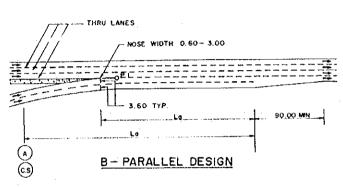


B - TAPERED DESIGN - CURVILINEAR

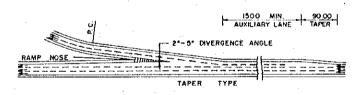


TYPICAL SINGLE-LANE EXIT RAMP

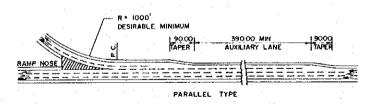




TYPICAL TWO-LANE ENTRANCE RAMP



A- TAPERED DESIGN



B-PARALLAL DESIGN

## TYPICAL TWO-LANE EXIT RAMP

## **NOTES**

- Lo" IS THE REQUIRED ACCELERATION LENGTH.
- 2. POINT (A) CONTROLS SAFE SPEED ON THE RAMP
  "Lo" SHOULD NOT START BACK ON THE CURVATURE OF
  THE RAMP UNLESS THE RADIUS EQUALS 300 M.OR MORE
- 3. "Lg" IS REQUIRED GAP ACCEPTANCE LENGTH
  LG SHOULD BE A MINIMUM OF 90 M. TO 150 M. DEPENING
  ON THE NOSE WIDTH
- 4. THE VALVE OF LO OR LO, WHICHEVER PRODUCES THE GREATEST DISTANCE DOWNSTREAM FROM WHERE THE NOSE WIDTH EQUALS 0.60 M., IS SUGGESTED FOR USE IN THE DESIGN OF THE RAMP ENTRANCE.
- "L4" IS THE REQUIRED DECELERATION LENGTH.
- 6. DIMENSION ARE METERS.

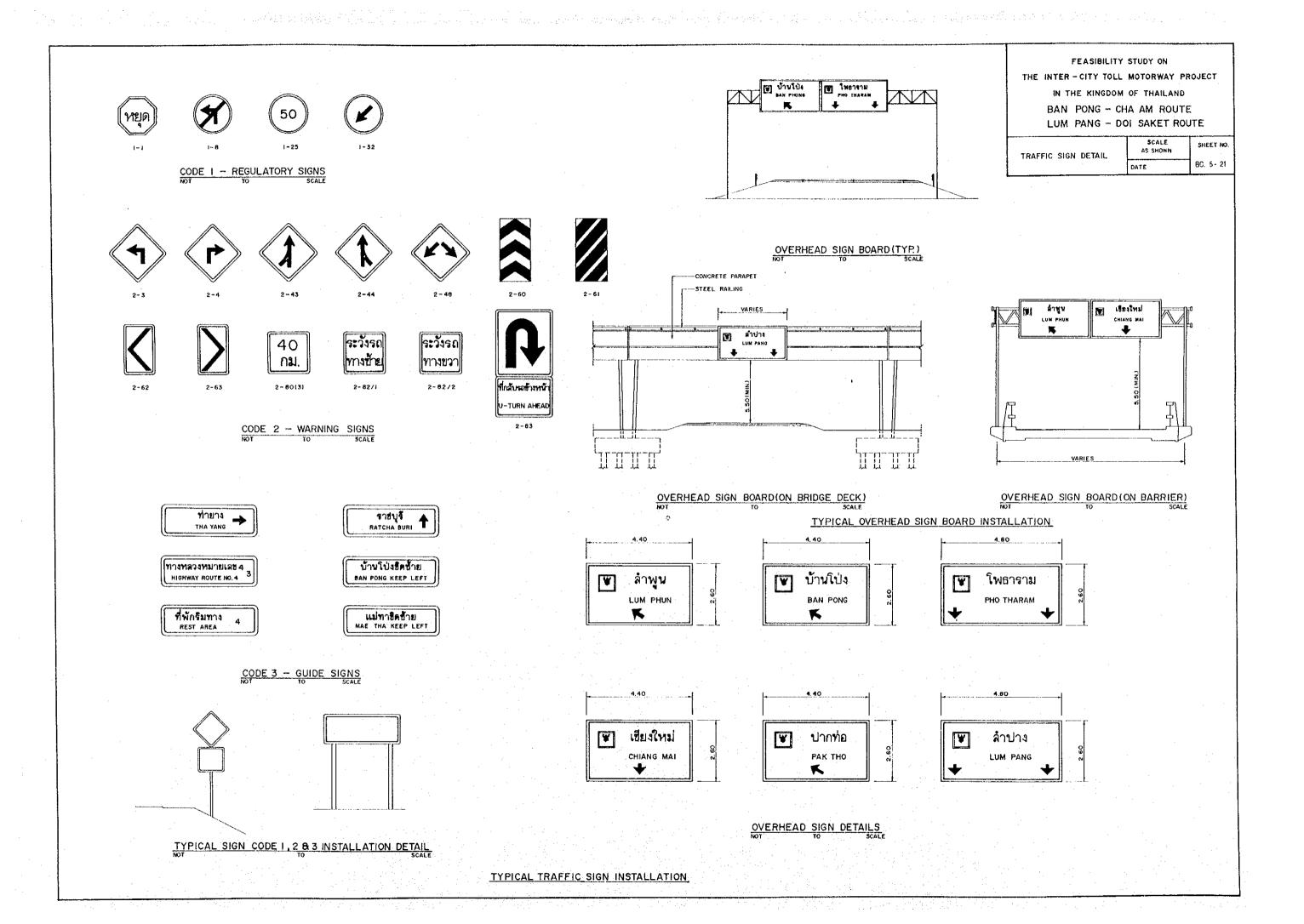
FEASIBILITY STUDY ON

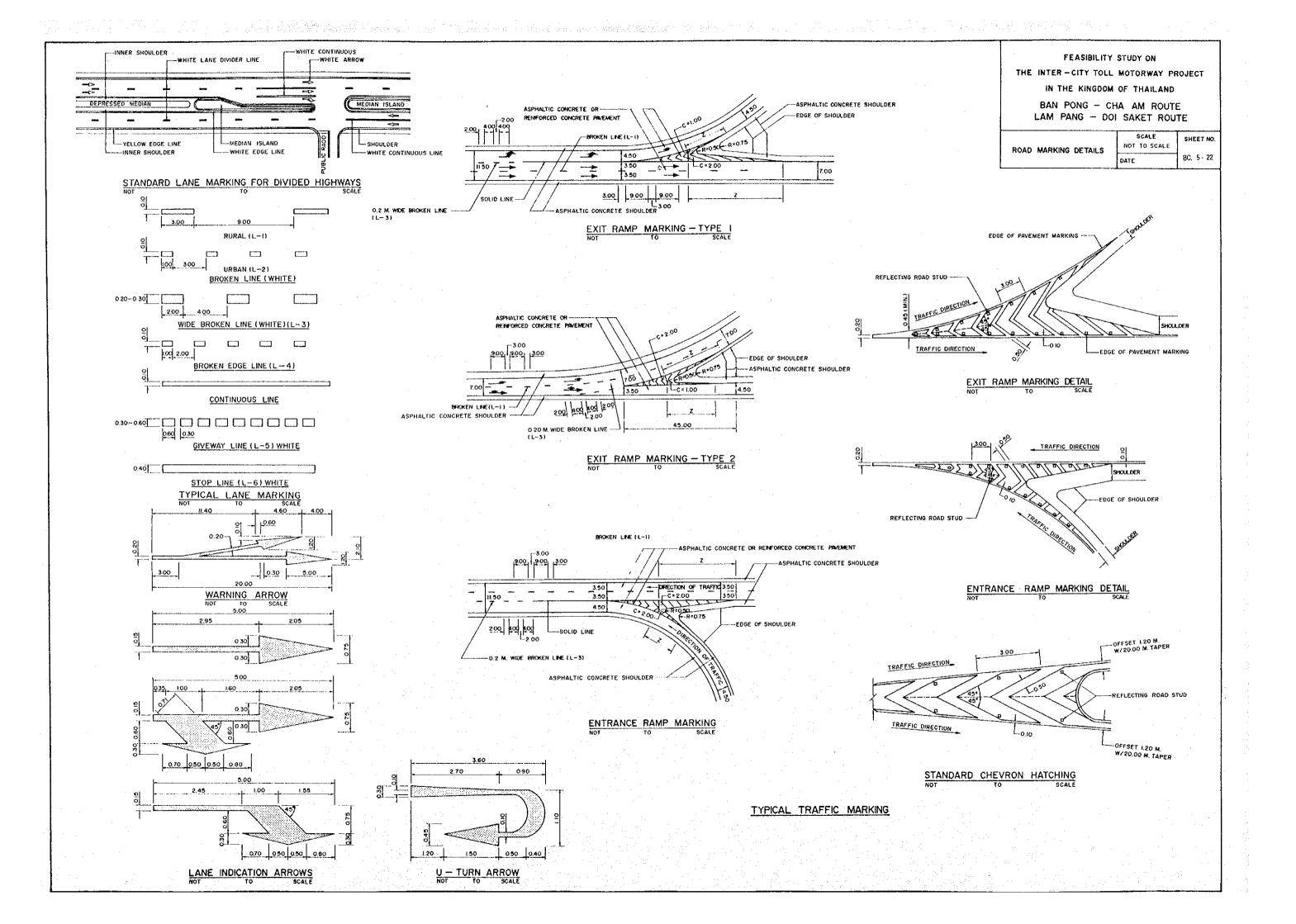
THE INTER-CITY TOLL MOTORWAY PROJECT
IN THE KINGDOM OF THAILAND

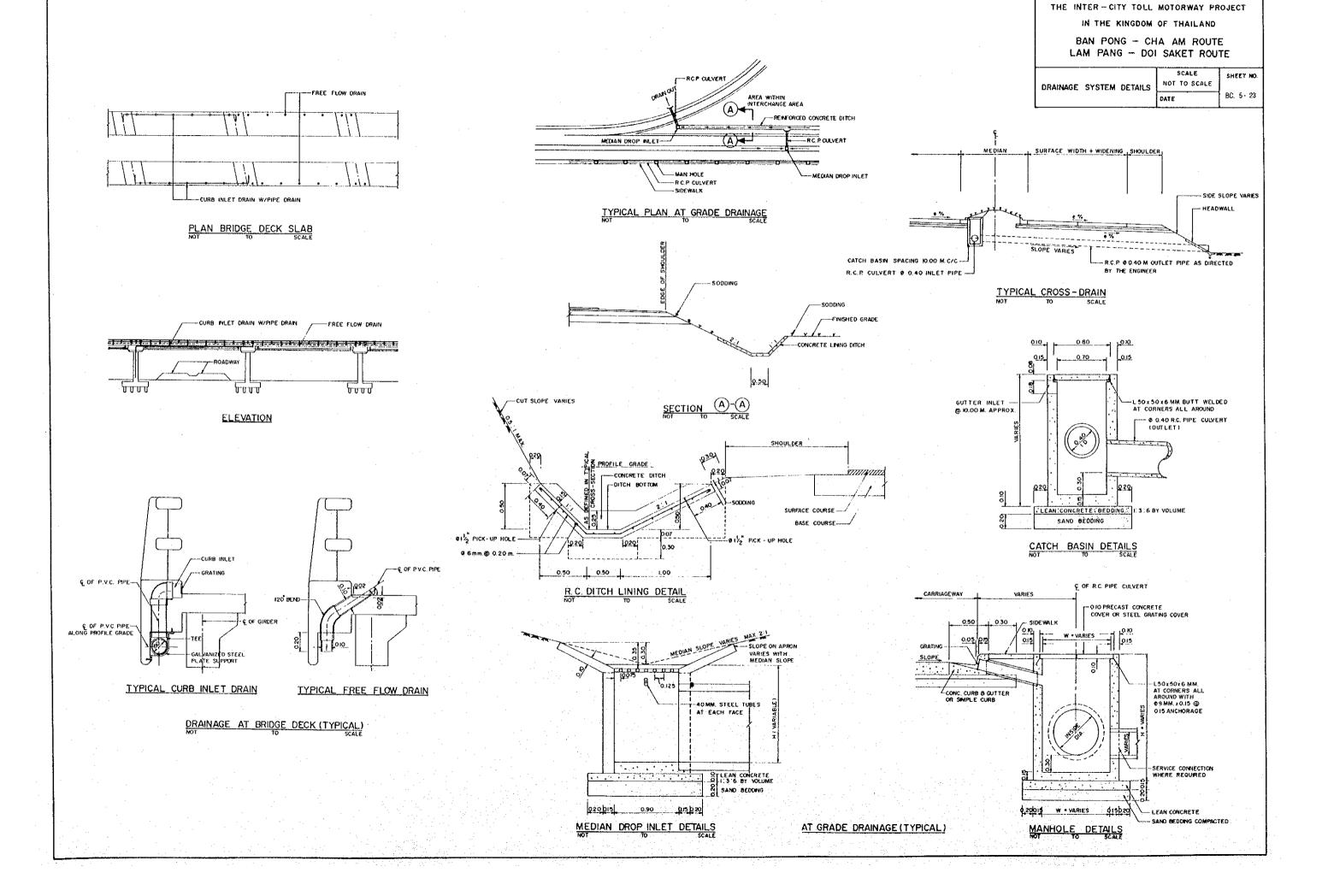
BAN PONG - CHA AM ROLLTE

BAN PONG - CHA AM ROUTE LAM PANG - DOI SAKET ROUTE

SCALE SHEET NO. NOT TO SCALE RAMP TEMINAL DETAILS BC, 5 - 20 DATE EXIT 50' TO 70' **ENTRANCE** LAYOUT OF TAPER - TYPE TERMINALS ON CURVES **ENTRANCES EXITS** PARALLEL-TYPE RAMP TERMINALS ON CURVES DIAGRAM-MATIC







FEASIBILITY STUDY ON

