

GOVERNMENT OF MALAYSIA

JB-TRANSPLAN

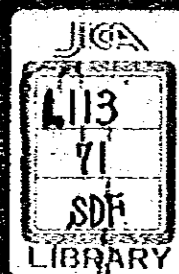
THE FEASIBILITY STUDY ON ROAD CONSTRUCTION
AND IMPROVEMENT PROJECT IN JOHOR BAHRU
AND ITS CONURBATION

FINAL REPORT

TECHNICAL DRAWINGS

MARCH 1984

JAPAN INTERNATIONAL COOPERATION AGENCY



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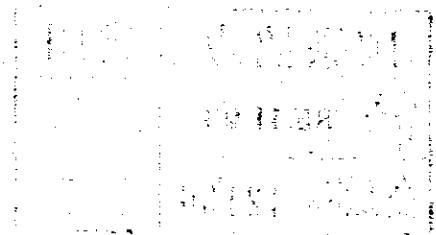
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国際協力事業団	
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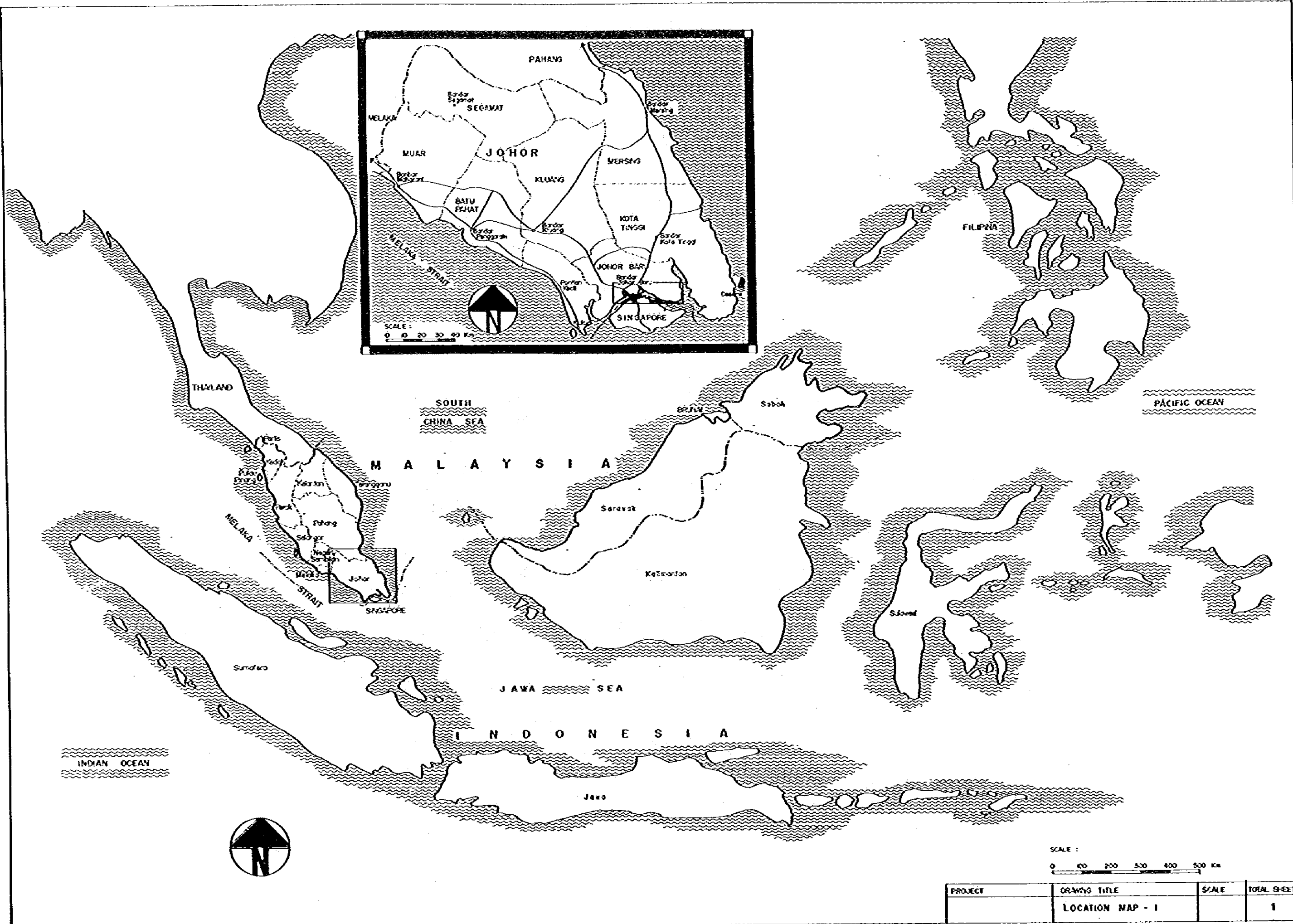
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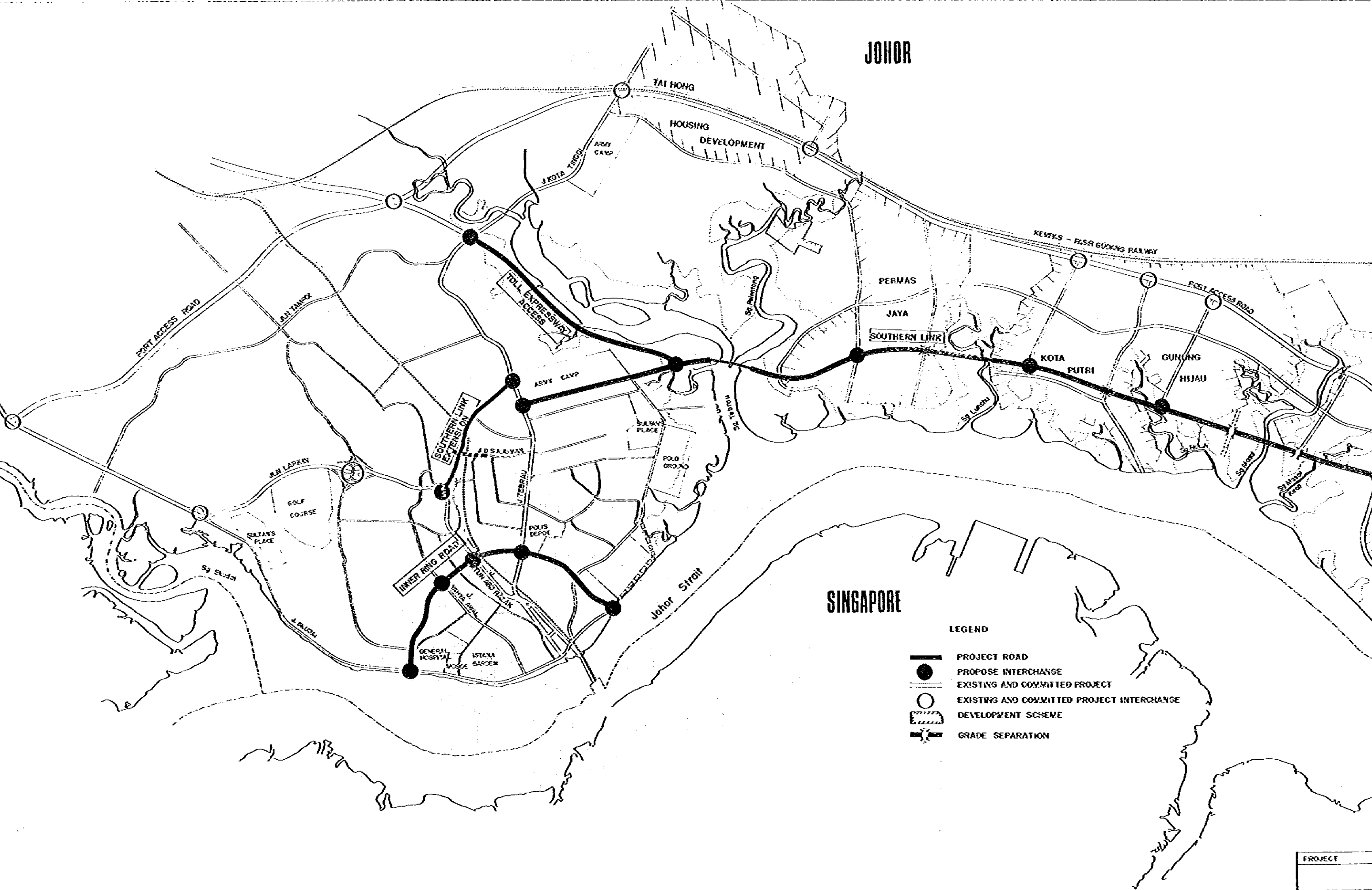


PROJECT	DRAWING TITLE	SCALE	TOTAL SHEET
	LOCATION MAP - I		1






JOHOR

SINGAPORE

Johor Strait



LEGEND

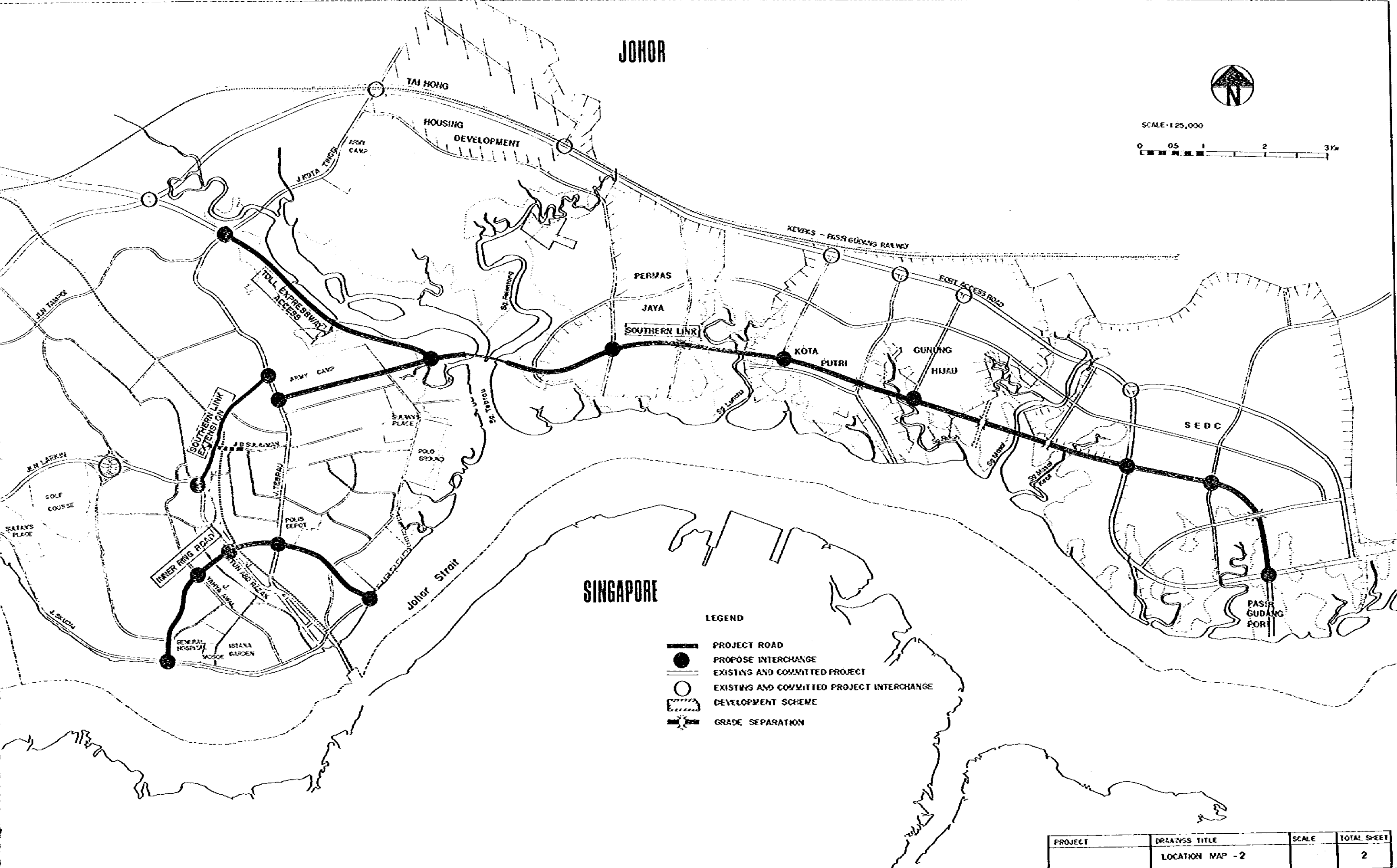
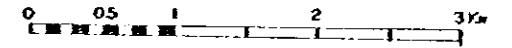
-  PROJECT ROAD
-  PROPOSED INTERCHANGE
-  EXISTING AND COMMITTED PROJECT INTERCHANGE
-  DEVELOPMENT SCHEME
-  GRADE SEPARATION

PROJECT







JOHOR



SCALE: 1:25,000



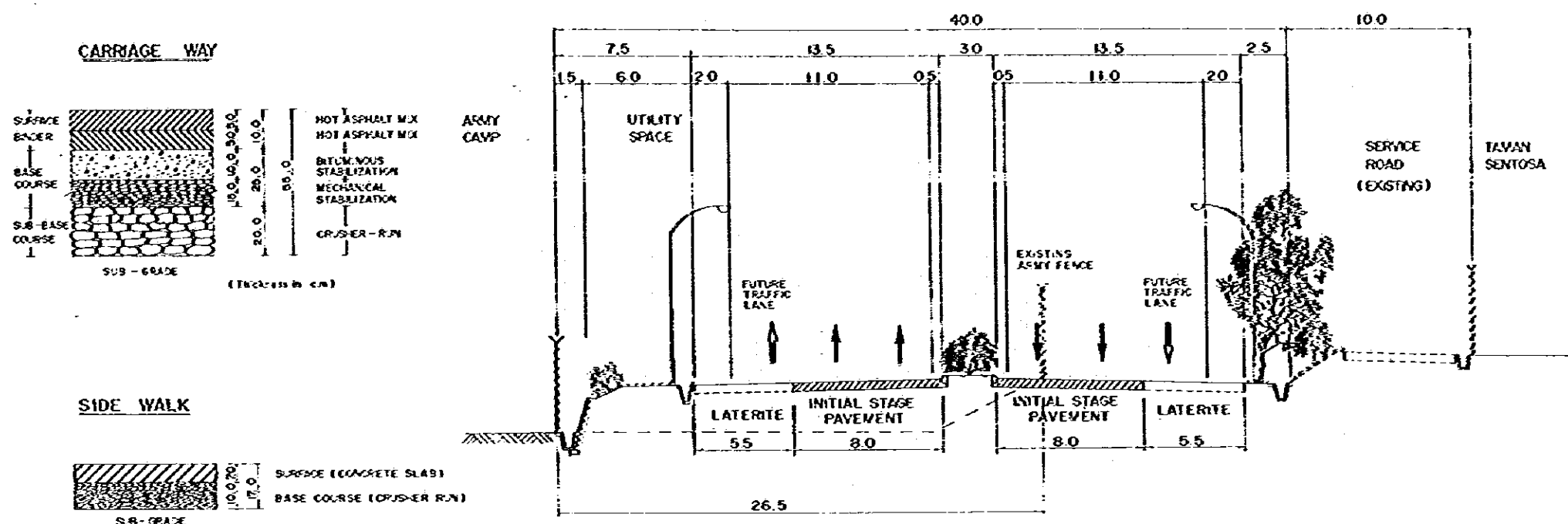
LEGEND

-  PROJECT ROAD
-  PROPOSE INTERCHANGE
-  EXISTING AND COMMITTED PROJECT
-  EXISTING AND COMMITTED PROJECT INTERCHANGE
-  DEVELOPMENT SCHEME
-  GRADE SEPARATION

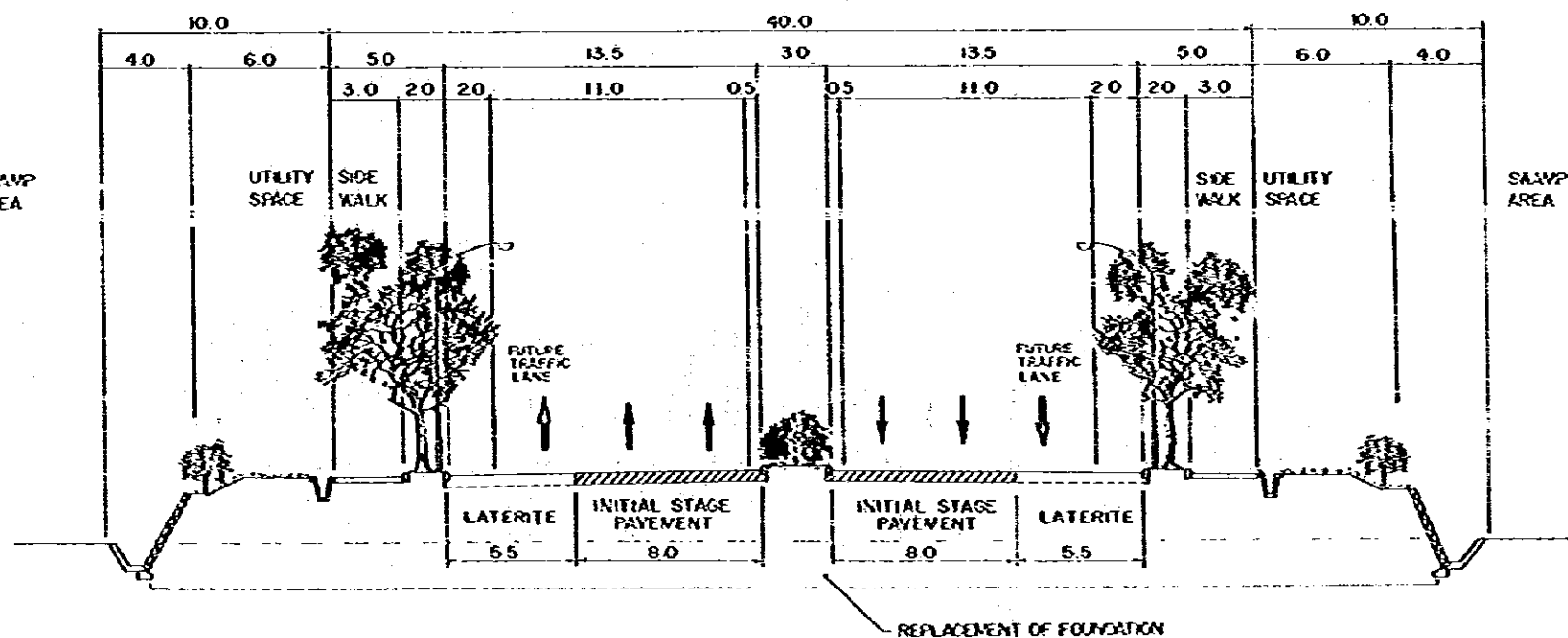
PROJECT	DRAWINGS TITLE	SCALE	TOTAL SHEET
	LOCATION MAP - 2		2

SOUTHERN LINK ROAD

JALAN TEBRAU - JALAN PASIR PELANGI

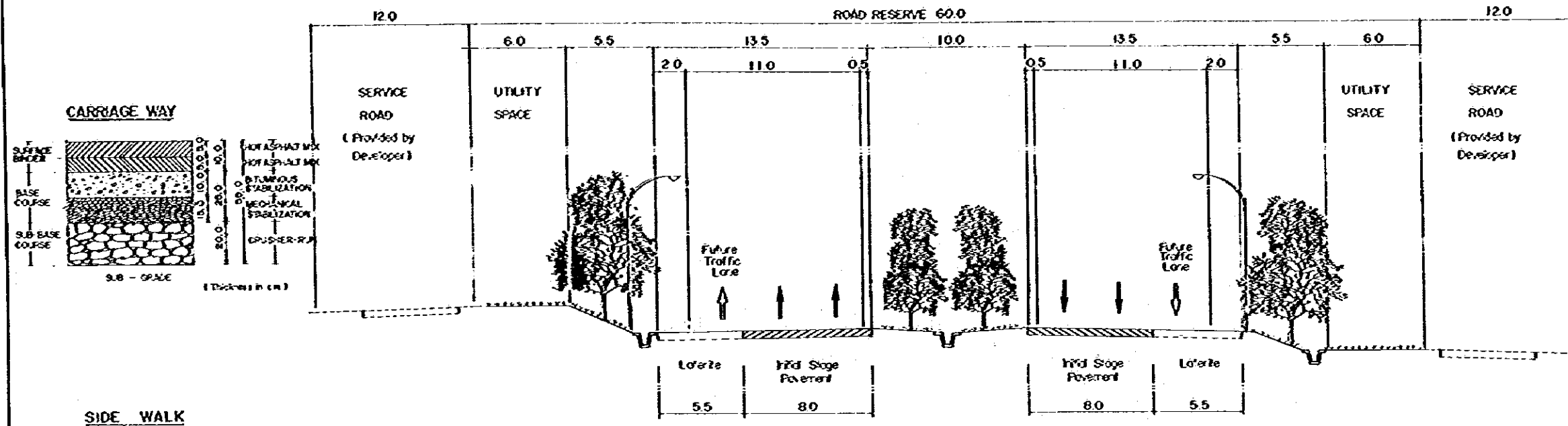


JALAN PASIR PELANGI - SUNGAI TEBRAU

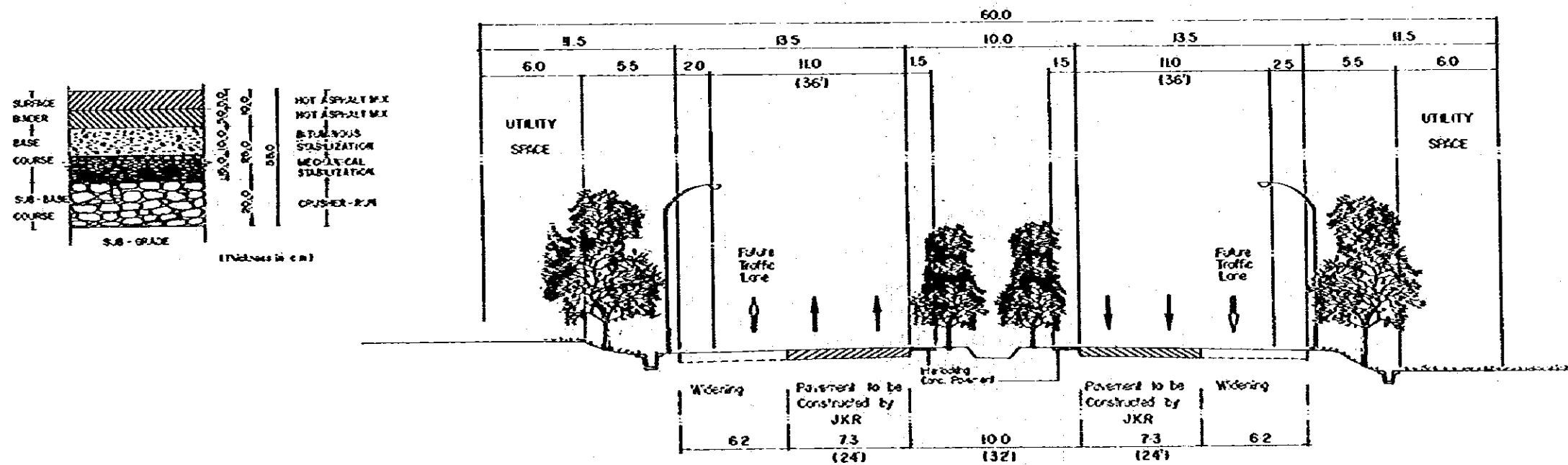


PROJECT	DRAWING TITLE	SCALE	TOTAL SHEET
SOUTHERN LINK ROAD	TYPICAL CROSS-SECTION 1/2		3

SOUTHERN LINK ROAD PELENTONG AREA

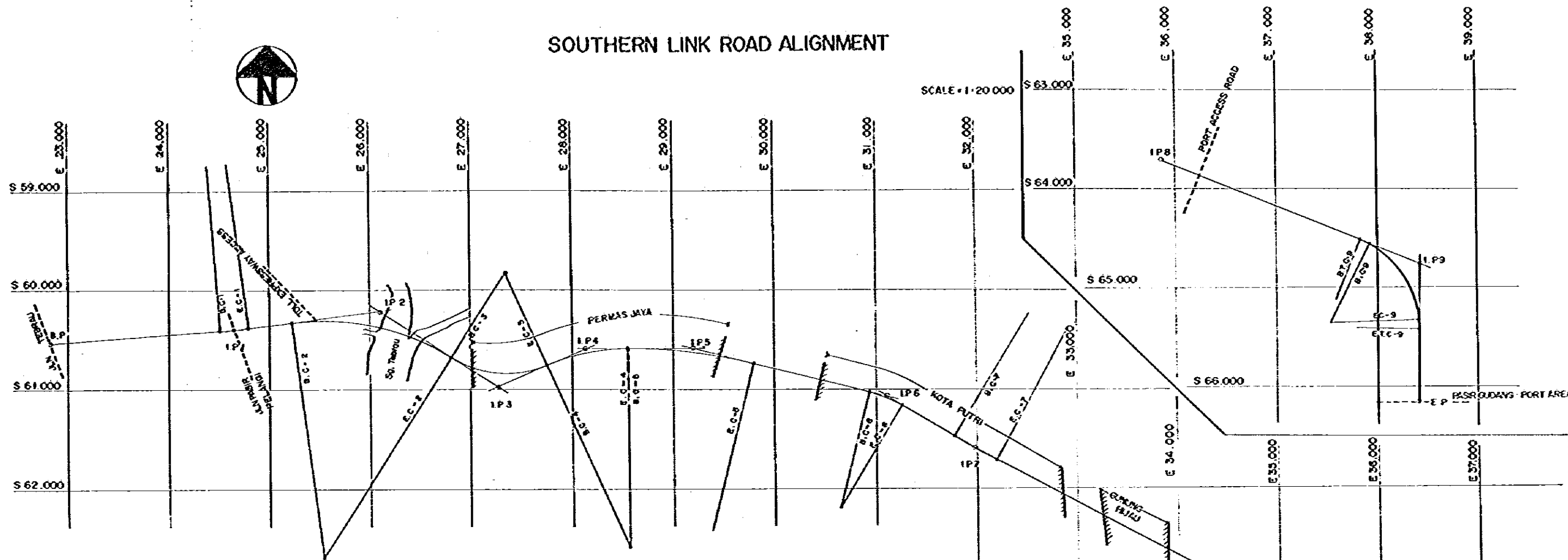


PASIR GUDANG AREA



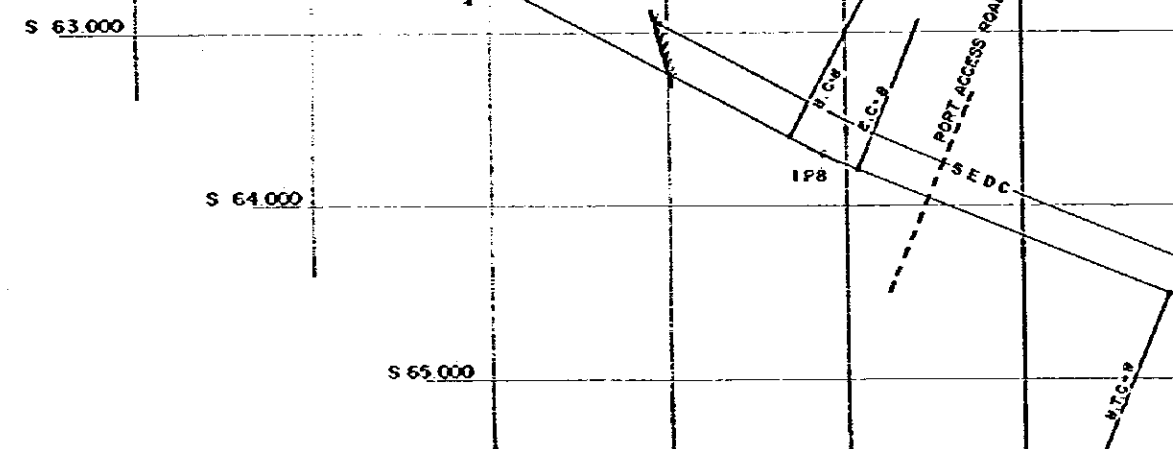
PROJECT	DRAWINGS	SCALE	TOTAL SHEET
SOUTHERN LINK ROAD	TYPICAL CROSS-SECTION 2/2		4

SOUTHERN LINK ROAD ALIGNMENT

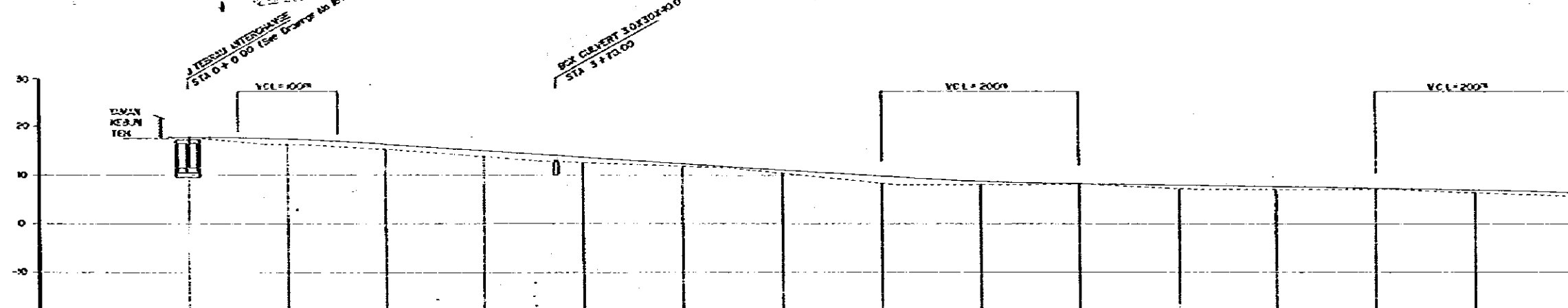
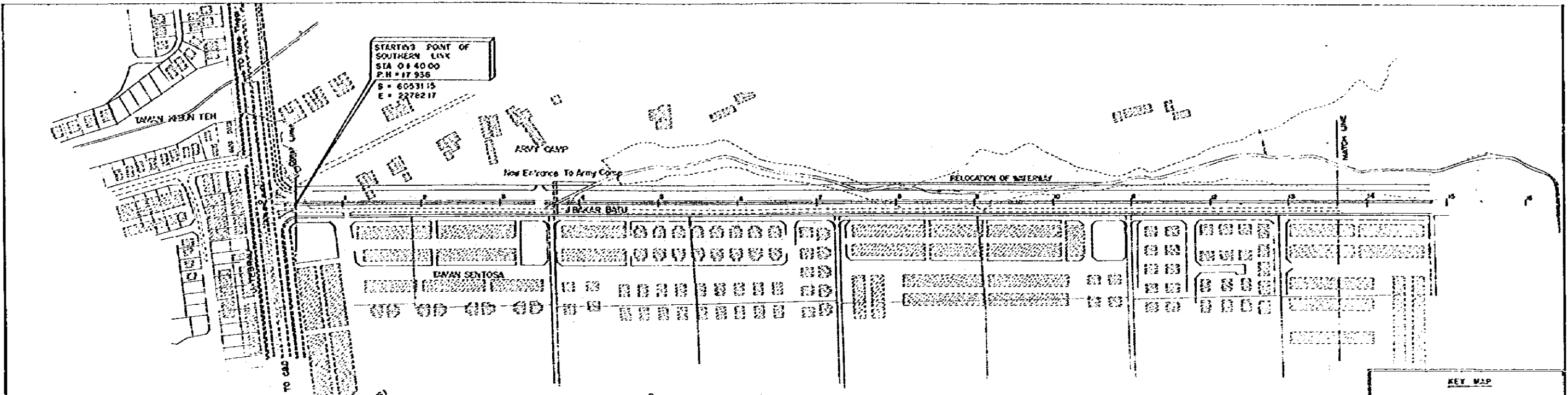


ELEMENT OF CURVES

I.P. NO.	I.P. COORDINATE (m)		DISTANCE (m)	AZIMUTH	I.A. (m)	R (m)	T.L. (m)	C.L. (m)	S.L. (m)	STATIONING
	S	E								
BP	60534.17	22821.93	1,845.58	85° 39' 48"	-	-	-	-	-	B.P. STA 0+ 00.00
1	60394.62	24662.23	1,432.76	82° 39' 48"	3° 00' 00"	5,000	130.93	261.80	1.71	BC-1 STA 17+ 14.65 EC-1 STA 19+ 76.45
			1,406.55	22° 38' 13"	33° 58' 25"	2,400	872.90	1674.41	153.84	BC-2 STA 24+ 05.38 EC-2 STA 40+ 79.79
3	60970.23	27267.72	953.37	66° 27' 48"	56° 10' 24"	1,000	533.65	980.41	133.49	BC-3 STA 40+ 79.79 EC-3 STA 50+ 60.20
			1,045.03	90° 10' 03"	23° 42' 14"	2,000	419.72	827.42	43.57	BC-4 STA 50+ 60.20 EC-4 STA 58+ 87.62
5	60592.58	29187.80	1,975.70	104° 26' 50"	14° 16' 46"	5,000	626.31	1246.14	39.07	BC-5 STA 58+ 87.62 EC-5 STA 71+ 33.76
			1,032.07	21° 00' 00"	16° 33' 10"	1,200	174.56	346.68	12.63	BC-6 STA 83+ 08.59 EC-6 STA 86+ 55.27
7	61617.05	31985.69	4,398.92	118° 15' 00"	2° 45' 00"	10,000	240.03	479.97	2.88	BC-7 STA 92+ 72.75 EC-7 STA 97+ 52.72
			2,776.98	112° 21' 26"	5° 53' 35"	4,000	206.87	411.39	5.29	BC-8 STA 137+ 06.74 EC-8 STA 141+ 17.13
9	64756.45	38428.88	1,399.87	180° 54' 28"	68° 33' 00"	896.72	657.23	SL 91.44 CL 90.58 SL 91.44	189.98	BC-9 STA 160+ 31.04 EC-9 STA 161+ 22.45 ETC-9 STA 171+ 04.03 ETC-9 STA 171+ 55.47
			E.P.	66154.15	38406.72	-	-	-	-	-

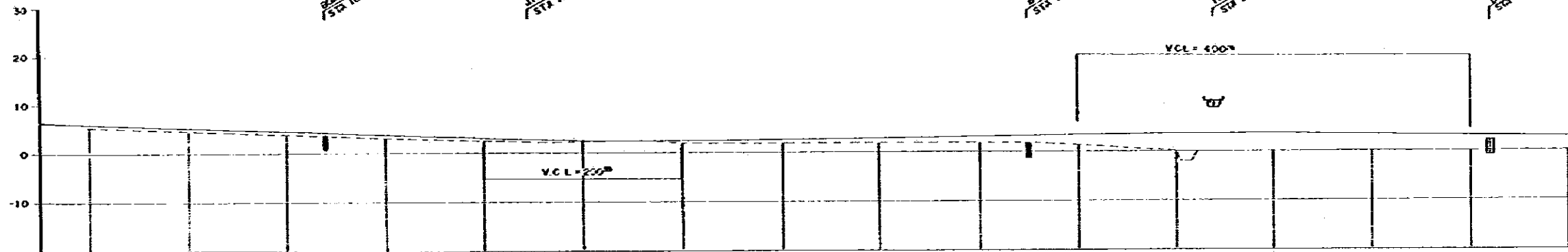
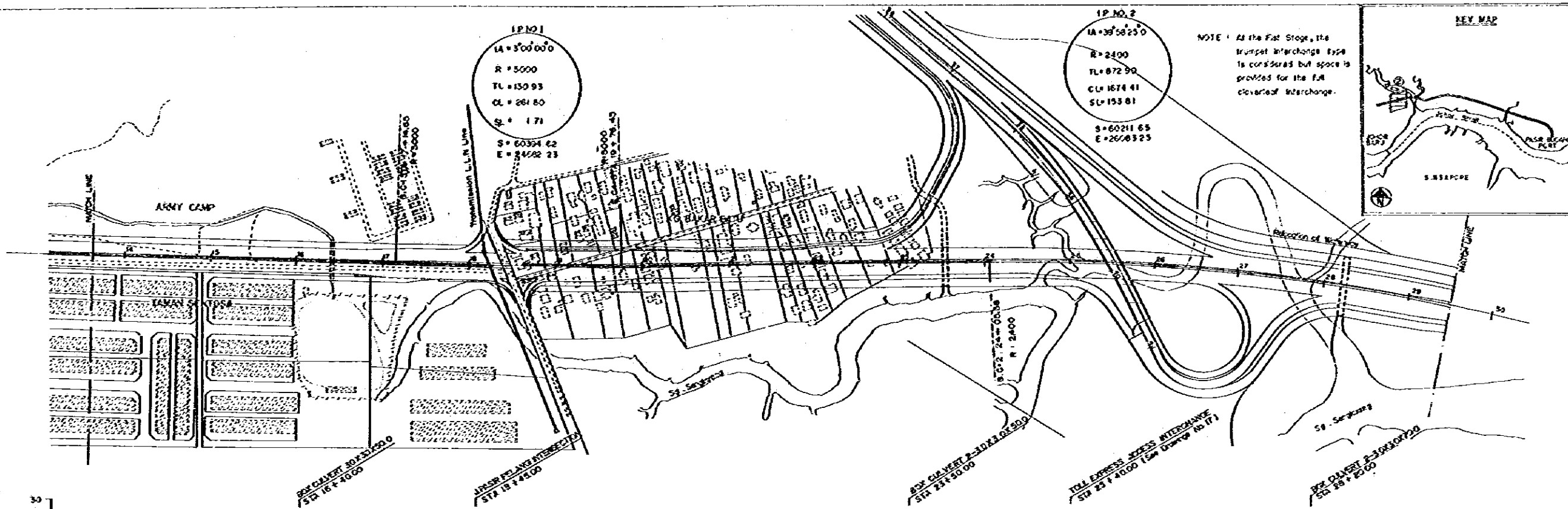


PROJECT	DRAWING TITLE	SCALE	TOTAL SHEET
JB - P.6 SOUTHERN LINK ROAD	ROAD ALIGNMENT		5



	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
PROPOSED HEIGHT (m)	19.200	17.856	17.000	16.400	15.000	13.600	12.000	11.200	9.000	8.800	8.000	7.700	7.400	6.976	6.700	
EMBANKMENT HEIGHT (m)	0	1.5	1.1	1.5	1.5	0.8	0.8	1.0	1.1	1.0	0.8	0.8	0.5	0.6	0.7	
CUTTING DEPTH (m)																
GROUND HEIGHT (m)	18.2	16.3	15.0	13.6	12.5	11.7	10.4	9.4	8.2	8.2	7.0	6.9	6.9	6.4	6.6	
ACCUMULATE DISTANCE (m)	0	4000	10000	20000	30000	40000	50000	60000	70000	80000	90000	100000	110000	120000	130000	140000
DISTANCE (m)	0	4000	10000	20000	30000	40000	50000	60000	70000	80000	90000	100000	110000	120000	130000	140000
STATION	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
CURVE (m)	L = 1714.65															

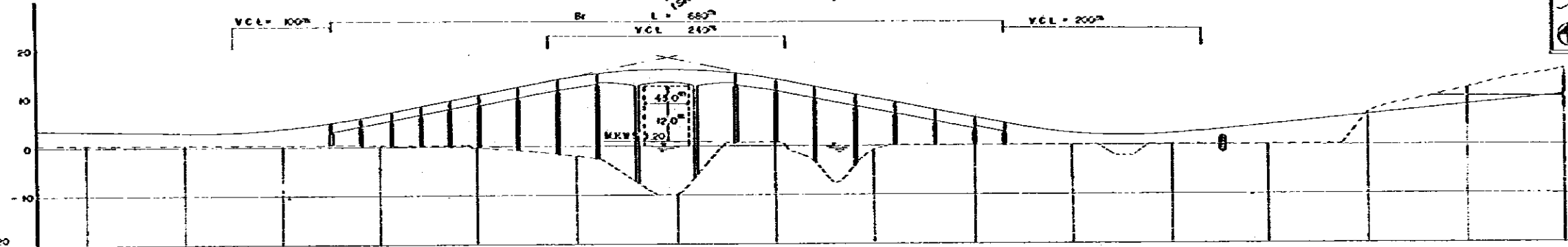
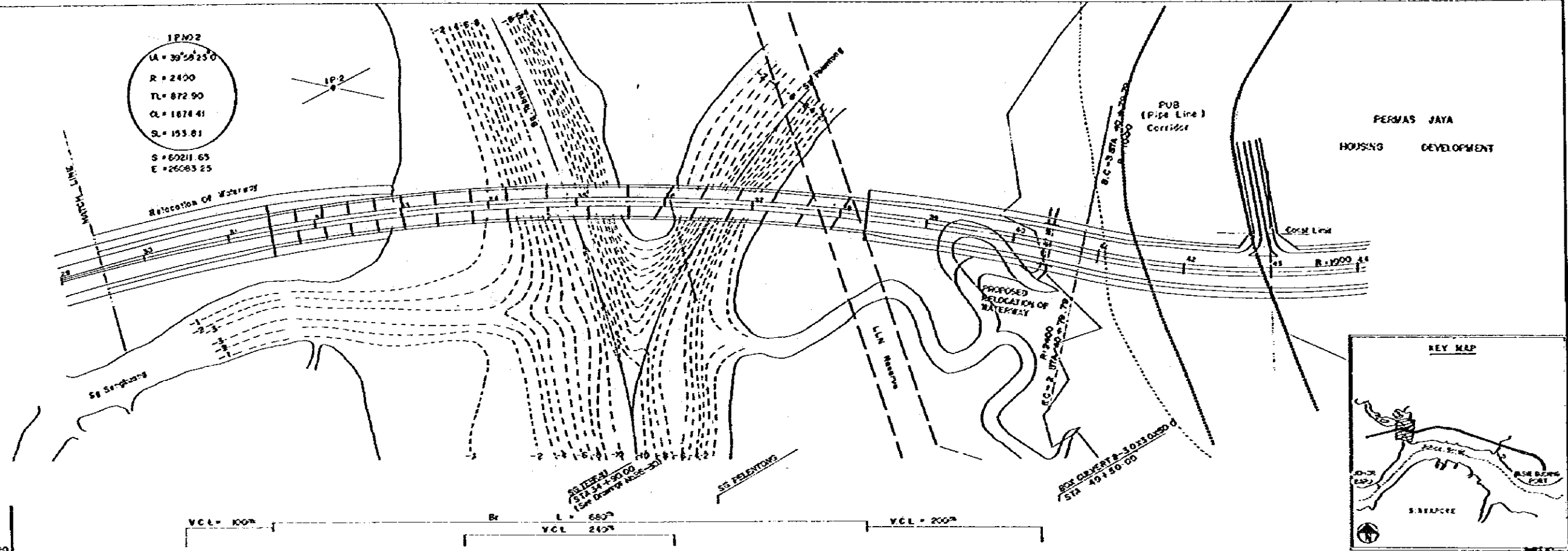
PROJECT SOUTHERN LINK ROAD	DRAWING TITLE PLAY 8 PROFILE	SCALE 1/10	TOTAL SHEET 6
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PROPOSED HEIGHT (m)	6.300	5.800	4.700	3.100	3.100	2.070	2.900	2.900	3.200	3.600	3.600	4.028	4.110	4.048	3.840	3.600
EMBANKMENT HEIGHT (m)	0.7	0.5	0.4	0.5	0.5	0.2	0.2	0.5	1.0	1.4	2.0	3.5	3.5	3.5	3.5	3.1
CUTTING DEPTH (m)																
GROUND HEIGHT (m)	0.6	0.0	4.3	3.4	2.6	2.4	2.4	2.3	2.2	2.1	1.6	0.0	0.0	0.0	0.0	0.0
ACCUMULATE DISTANCE (m)	1400.00	1500.00	1600.00	1700.00	1800.00	1900.00	2000.00	2100.00	2200.00	2300.00	2400.00	2500.00	2600.00	2700.00	2800.00	2900.00
DISTANCE (m)	14+00.00	15+00.00	16+00.00	17+00.00	18+00.00	19+00.00	20+00.00	21+00.00	22+00.00	23+00.00	24+00.00	25+00.00	26+00.00	27+00.00	28+00.00	29+00.00
STATION	14+00.00	15+00.00	16+00.00	17+00.00	18+00.00	19+00.00	20+00.00	21+00.00	22+00.00	23+00.00	24+00.00	25+00.00	26+00.00	27+00.00	28+00.00	29+00.00
CURVE (m)	L=17.465			R=5000			L=26152			L=22893			R=2400		L=6344	

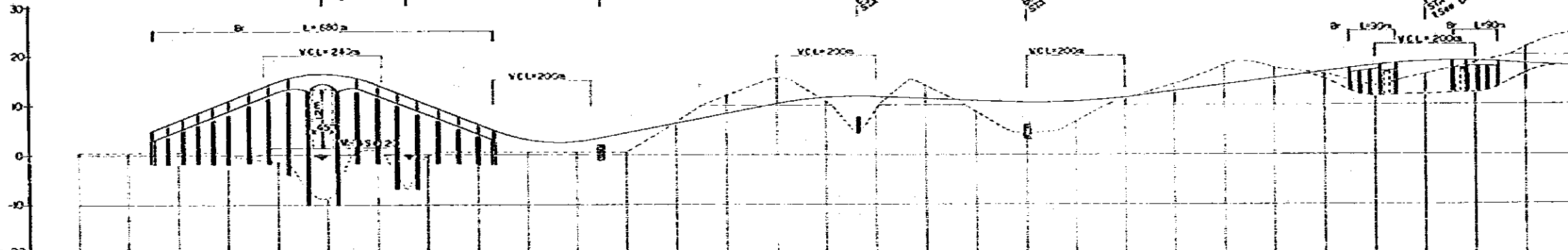
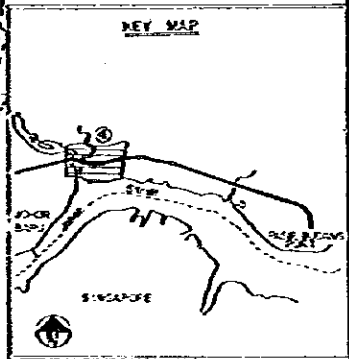
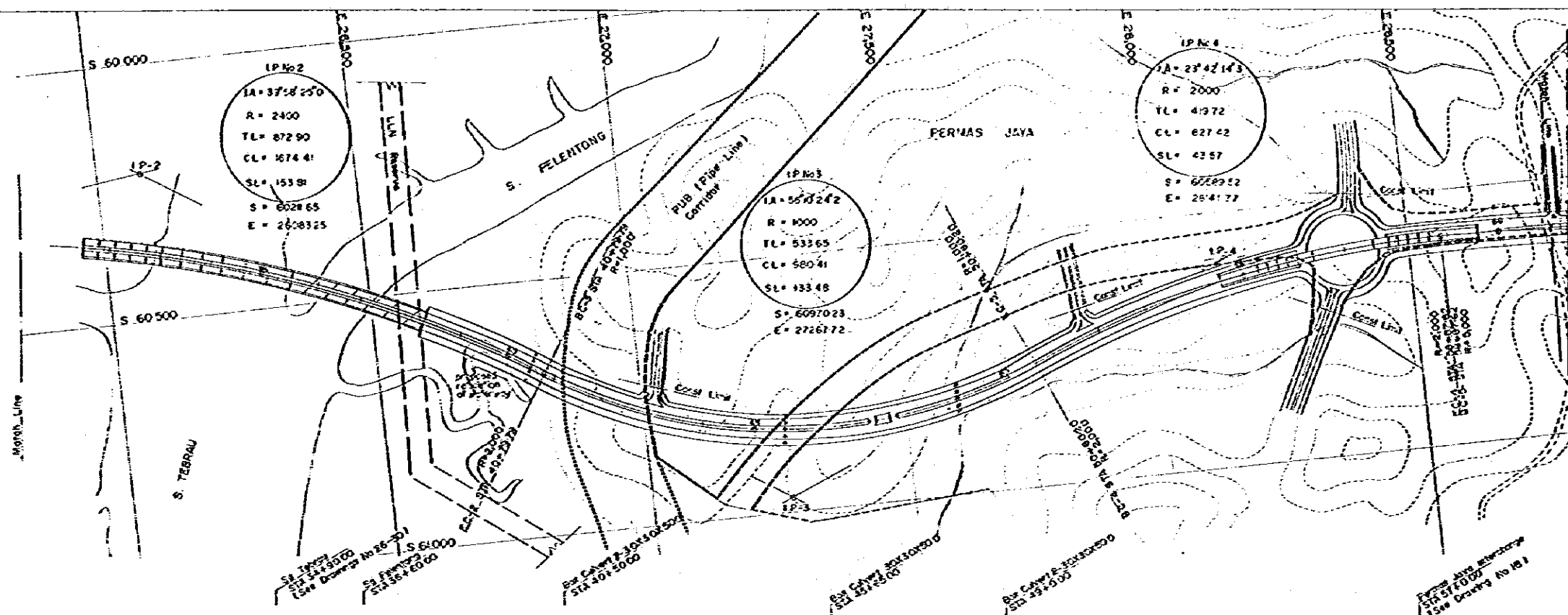
PROJECT	SOUTHERN LINK ROAD	DRAWINGS TITLE	PLAN & PROFILE	SCALE	2/10	TOTAL SHEET	7
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IP#02
 LA = 39°58'25.0"
 R = 2400
 TL = 872.90
 CL = 1874.41
 SL = 153.81
 S = 60211.65
 E = 26083.25



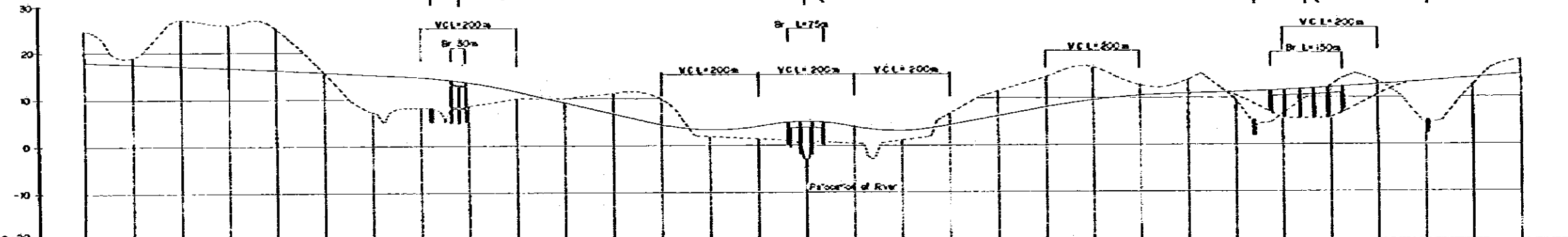
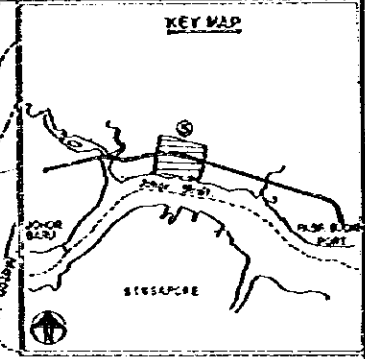
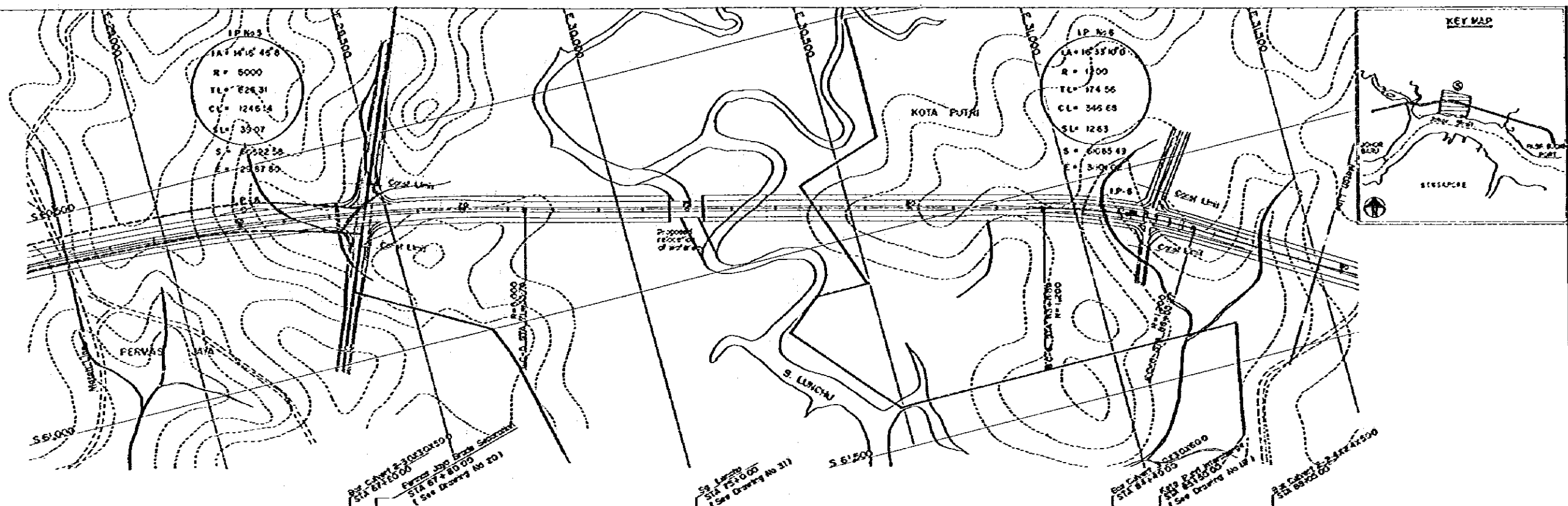
DL - 20	20	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44
PROPOSED HEIGHT (m)	3.540	3.280	3.000	2.700	2.400	2.100	1.800	1.500	1.200	0.900	0.600	0.300	0.000	-0.300	-0.600	-0.900
EMBANKMENT HEIGHT (m)	3.1	2.8	3.0													
CUTTING DEPTH (m)																
GROUND HEIGHT (m)	0.5	0.5	0.5	0.5	0.1	1.8	8.8	0.8	0.3	0.5	0.5	0.5	0.5	0.5	12.0	15.0
ACCUMULATE DISTANCE (m)	0	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
DISTANCE (m)	0-100	100-200	200-300	300-400	400-500	500-600	600-700	700-800	800-900	900-1000	1000-1100	1100-1200	1200-1300	1300-1400	1400-1500	
STATION	29+00	30+00	31+00	32+00	33+00	34+00	35+00	36+00	37+00	38+00	39+00	40+00	41+00	42+00	43+00	44+00
CURVE (m)	R = 2400 L = 1874.41 I.P.#2										R = 1000 I.P.#3 L = 992.41					

PROJECT	DRAWING TITLE	SCALE	TOTAL SHEET
SOUTHERN LINK ROAD	PLAN & PROFILE	3/10	8



PROPOSED HEIGHT (m)	EMBANKMENT HEIGHT (m)	CUTTING DEPTH (m)	GROUND HEIGHT (m)	ACCUMULATE DISTANCE (m)	DISTANCE (m)	STATION	CURVE (m)
7.000	6.5		0.5	100.00	32	IP No 2	R=2400
11.000	10.8		0.2	100.00	33		
14.850	13.9		0.9	100.00	34	IP No 2	L=167441
16.183	7.3		0.8	100.00	35		
14.183	13.4		0.8	100.00	36	IP No 3	R=1000
10.200	9.9		0.3	100.00	37		
6.200	6.7		0.5	100.00	38	IP No 3	L=58241
2.633	2.4		0.2	100.00	39		
2.033	2.0		0.0	100.00	40	IP No 4	R=2000
4.400	3.9	0.4	0.5	100.00	41		
6.400		0.4	0.8	100.00	42	IP No 4	L=82742
8.400		3.6	1.0	100.00	43		
10.400		5.2	1.8	100.00	44	IP No 4	L=82742
11.700	1.0		1.8	100.00	45		
11.980	2.7		0.3	100.00	46	IP No 4	L=82742
11.620		2.5	1.0	100.00	47		
11.080	2.5		0.6	100.00	48	IP No 4	L=82742
10.440	7.6		3.0	100.00	49		
10.828	3.7		0.9	100.00	50	IP No 4	L=82742
11.160	0.2		1.5	100.00	51		
12.800		1.4	1.2	100.00	52	IP No 4	L=82742
14.100		3.9	1.0	100.00	53		
15.400		2.1	1.5	100.00	54	IP No 4	L=82742
16.700	0.7		1.0	100.00	55		
16.000	4.0		1.0	100.00	56	IP No 4	L=82742
10.800	2.7		1.0	100.00	57		
11.800	0.4		1.4	100.00	58	IP No 4	L=82742
16.300		3.6	2.9	100.00	59		
17.800		7.0	2.4	100.00	60		

PROJECT	DRAWING TITLE	SCALE	TOTAL SHEET
SOUTHERN LUK ROAD	PLAN & PROFILE	4/0	9

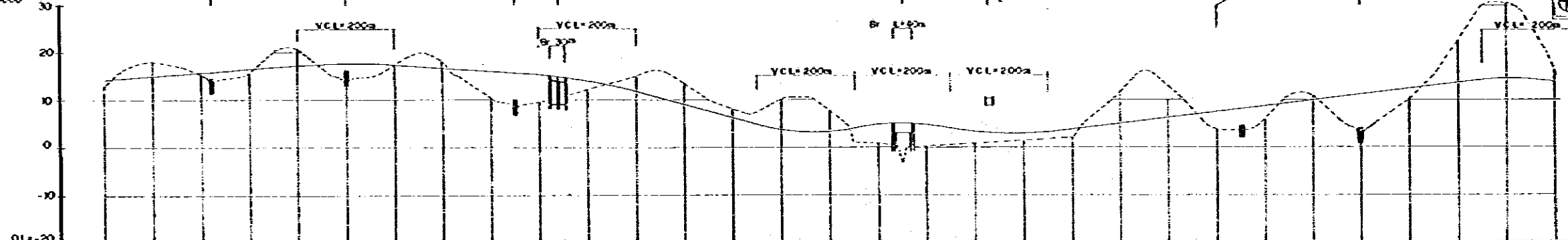
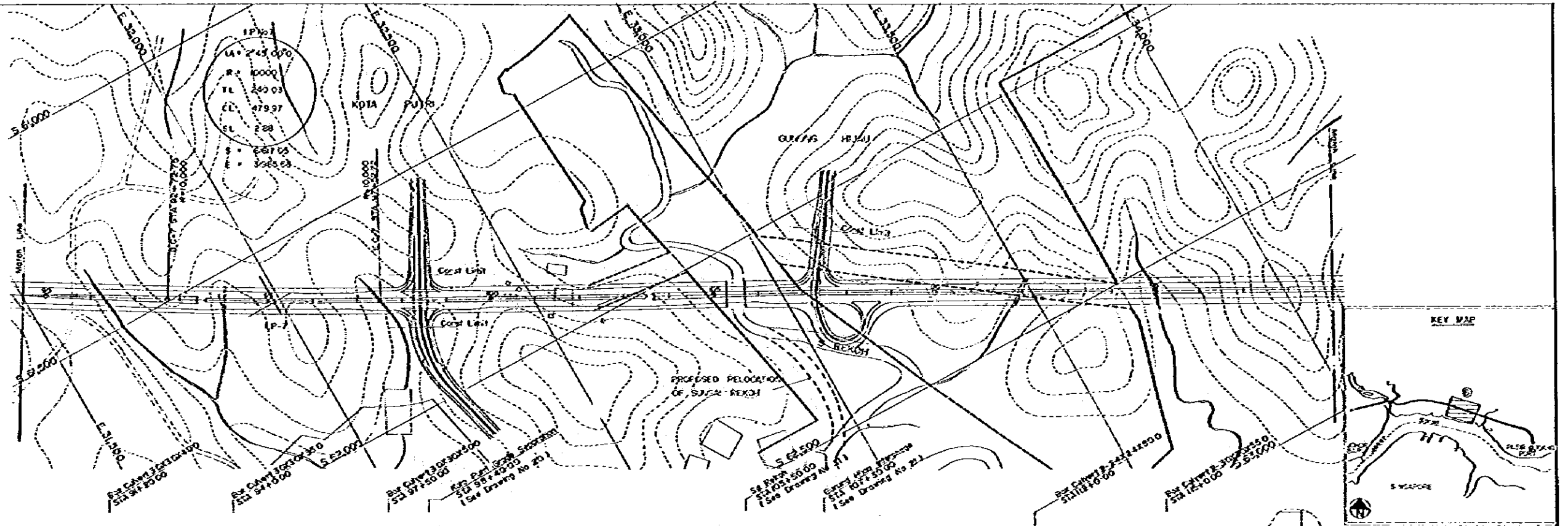


PROPOSED HEIGHT (m)	17.800	17.300	16.800	16.300	15.800	15.300	14.800	14.300	13.835	13.440	9.080	6.720	6.360	3.080	4.000	5.000	4.000	3.000	4.000	6.000	8.000	9.800	10.400	10.800	11.200	11.600	12.200	12.700	13.500	14.200	15.000
EMBANKMENT HEIGHT (m)							7.7	6.3	4.9	1.4				1.2	2.6	4.3	3.8	2.0							1.0	0.1					
CUTTING DEPTH (m)	7.0	1.7	10.3	9.7	9.2	0.0					0.8	4.3	0.6					2.8	0.0	6.0	6.8	2.4			0.2	0.6					3.0
GROUND HEIGHT (m)	24.8	19.0	27.1	26.0	20.0	15.8	7.1	8.0	8.4	10.0	10.0	11.0	10.0	1.9	1.2	0.7	0.2	1.0	6.8	11.0	14.0	12.8	12.8	9.7	6.0	12.0	13.5	4.0	12.8	16.0	
ACCUMULATE DISTANCE (m)	000000	100000	200000	300000	400000	500000	600000	700000	800000	900000	1000000	1100000	1200000	1300000	1400000	1500000	1600000	1700000	1800000	1900000	2000000	2100000	2200000	2300000	2400000	2500000	2600000	2700000	2800000	2900000	3000000
DISTANCE (m)	100000	100000	100000	100000	100000	100000	100000	100000	100000	100000	100000	100000	100000	100000	100000	100000	100000	100000	100000	100000	100000	100000	100000	100000	100000	100000	100000	100000	100000	100000	100000
STATION	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
CURVE (m)	R=5000						L=1246.14						L=1174.83						R=1200		L=346.65		L=617.45								

PROJECT SOUTHERN LINK ROAD	DRAWING TITLE PLAN & PROFILE	SCALE 5/0	TOTAL SHEET 10
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PLAN
SCALE 1:5000

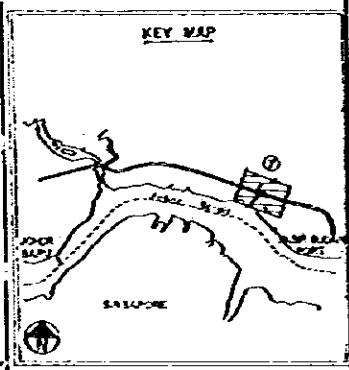
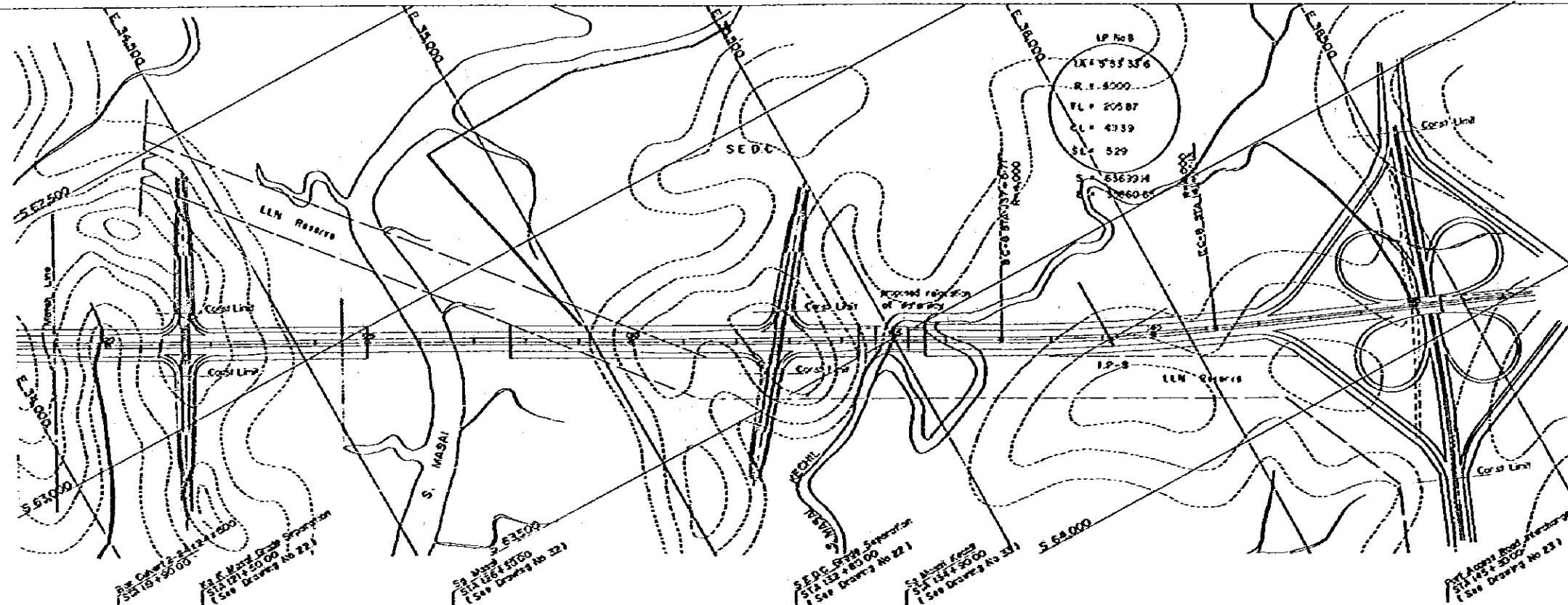
PROFILE
SCALE: V=1:500
H=1:5000



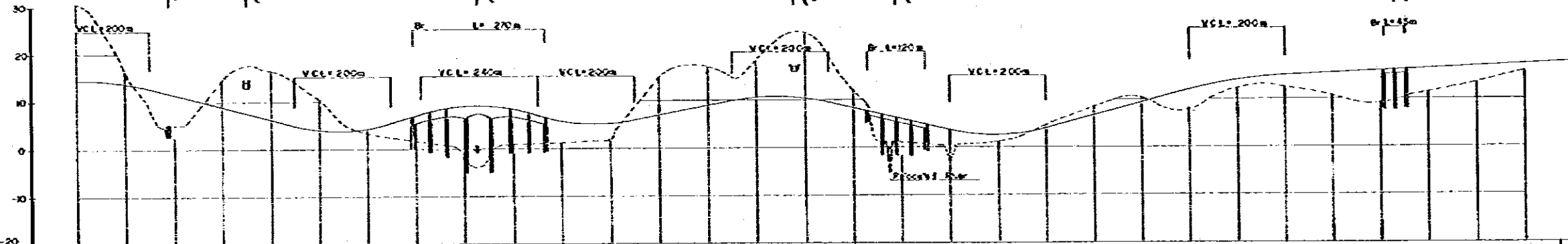
PROPOSED HEIGHT (m)	16.800	18.000	18.750	18.900	17.250	17.643	17.300	16.640	15.840	15.280	14.070	11.800	9.000	8.200	3.700	3.000	4.750	4.750	3.200	2.800	3.800	0.000	8.200	7.400	8.600	9.400	11.000	12.200	13.400	14.340	13.680		
EMBANKMENT HEIGHT (m)	14.0		0.75			4.6	0.3		0.5	0.7	1.9						3.7	4.6	2.4	1.5	1.0				3.6	2.6		1.0	2.2				
CUTTING DEPTH (m)		0.0		0.2	3.5			1.4				3.2	4.3	2.1	6.3	4.2							0.8	6.7	6.7		1.2			0.4	1.3	2.3	
GROUND HEIGHT (m)	12.8	18.0	19.0	18.7	20.8	13.0	17.0	18.0	16.4	15.0	12.1	10.6	13.3	6.9	10.0	7.6	1.0	0.1	0.8	1.3	2.0	11.9	12.6	3.8	6.0	11.0	11.0	10.0	22.6	30.7	16.0		
ACCUMULATE DISTANCE (m)	80000	90000	94000	92000	92725	94000	96000	97000	97572	98000	99000	100000	101000	102000	103000	104000	105000	106000	107000	108000	109000	110000	111000	112000	113000	114000	115000	116000	117000	118000	119000		
DISTANCE (m)	1000	1000	1000	1000	7275	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000		
STATION	88	90	91	92	92.7275	93	94	95	96	97	97.572	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119
CURVE (m)	L=6743 R=10000 IP No 7 L=4797 L=3952.99																																

PROJECT	SOUTHERN LINK ROAD	DRAWING TITLE	PLAN & PROFILE	SCALE	6/0	TOTAL SHEET	11
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PLAN
SCALE 1:5000



PROFILE
SCALE: V=1:500
H=1:5000

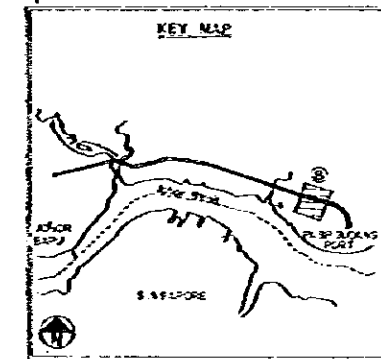
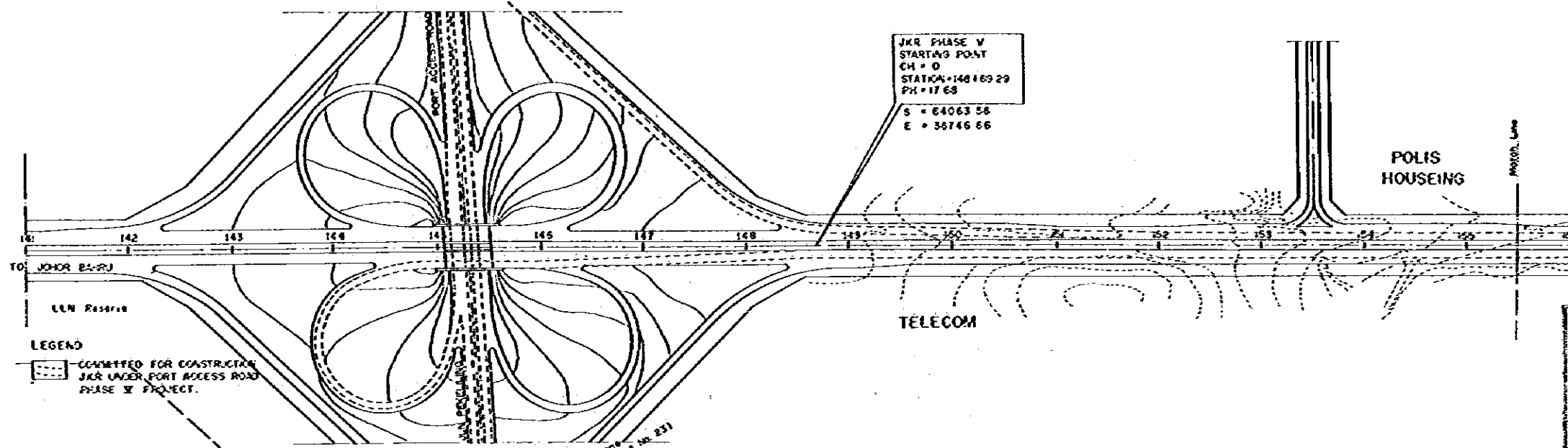


STA 148159.29
J.R.R. CH-0
(PHASE X)

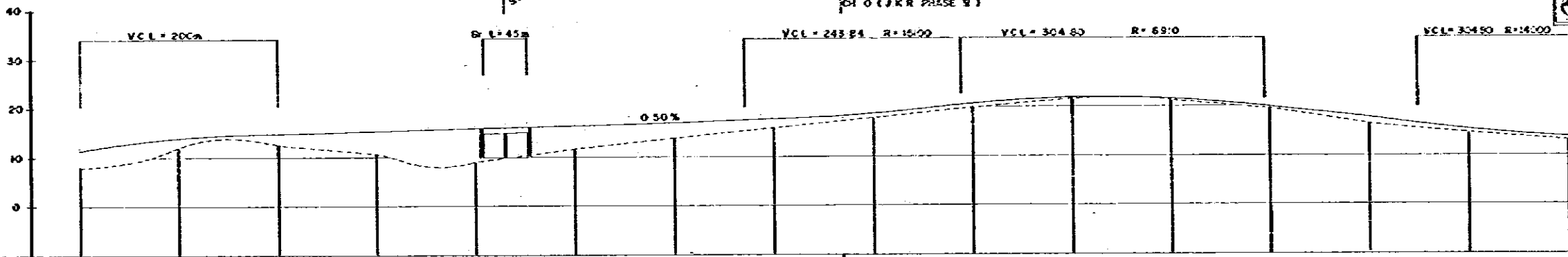
PROPOSED HEIGHT (m)	EMBAKMENT HEIGHT (m)	CUTTING DEPTH (m)	GROUND HEIGHT (m)	ACCUMULATE DISTANCE (m)	DISTANCE (m)	STATION	CURVE (m)
14.383		16.3	30.7	10000	10000	118	
13.885		23	18.0	10000	10000	119	
11.366	6.4		5.0	10000	10000	120	
8.900		5.6	14.2	10000	10000	121	
8.240		9.0	16.1	10000	10000	122	
4.028		6.2	10.2	10000	10000	123	
4.248	1.1		3.1	10000	10000	124	
6.900	6.6		1.3	10000	10000	125	
6.887	6.6		2.1	10000	10000	126	
6.388	7.0		0.6	10000	10000	127	
6.013	5.0		1.0	10000	10000	128	
6.013	4.0		1.6	10000	10000	129	
7.600		7.7	14.9	10000	10000	130	
6.700		7.1	17.0	10000	10000	131	
10.920		7.2	16.1	10000	10000	132	
10.720		13.6	24.5	10000	10000	133	
6.600		2.4	12.0	10000	10000	134	
6.200	5.1		1.1	10000	10000	135	
3.600	6.5		3.0	10000	10000	136	
2.440	1.6		1.0	10000	10000	137	
3.980		0.0	4.0	10000	10000	138	
6.040		1.8	6.4	10000	10000	139	
6.140		0.9	10.0	10000	10000	140	
11.720	3.7		8.0	10000	10000	141	
12.760	1.8		12.0	10000	10000	142	
14.800	2.6		12.2	10000	10000	143	
15.300	4.0		10.8	10000	10000	144	
15.600	6.6		9.0	10000	10000	145	
16.500	4.4		11.0	10000	10000	146	
16.800	3.0		13.6	10000	10000	147	
17.500	1.6		13.7	10000	10000	148	

PROJECT	DRAWINGS TITLE	SCALE	TOTAL SHEET
SOUTHERN LINK ROAD	PLAN & PROFILE	7/0	12

PLAN
SCALE 1:2500



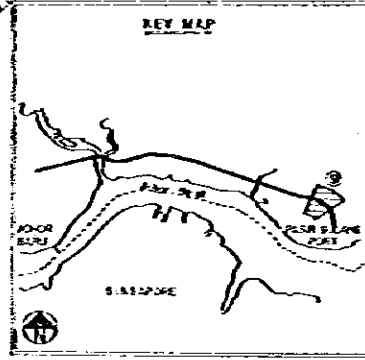
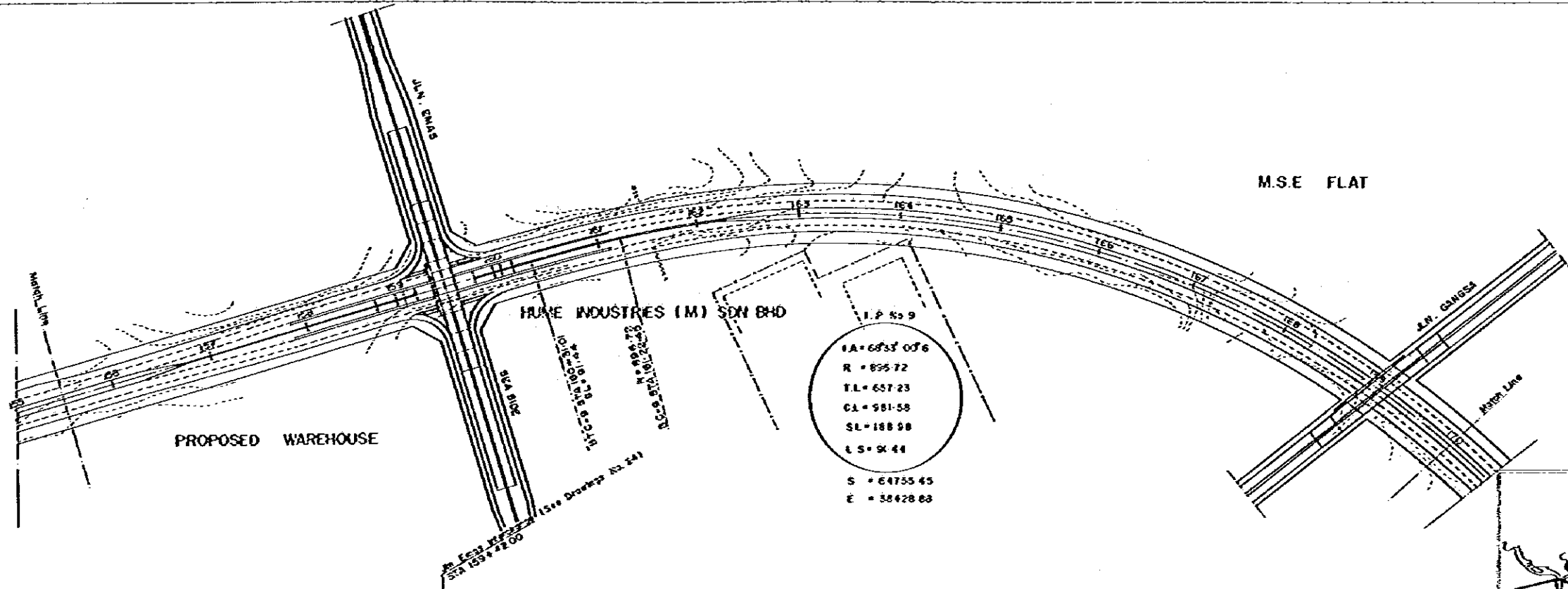
PROFILE
SCALE: V=1:500
H=1:2500



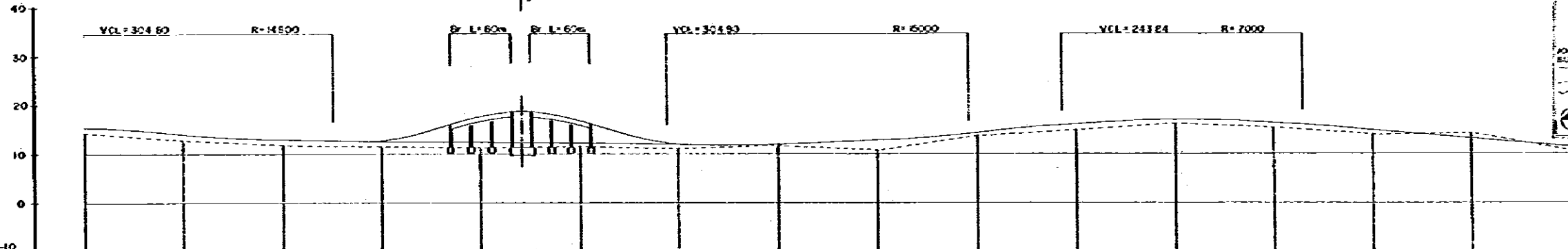
	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156
PROPOSED HEIGHT (m)	11.776	13.780	14.800	15.900	16.900	17.900	18.900	19.900	20.900	21.900	21.900	20.972	19.972	18.972	17.972	16.972
EMBANKMENT HEIGHT (m)	3.7	1.8	2.6	4.6	6.6	8.6	10.6	12.6	14.6	16.6	18.6	16.6	14.6	12.6	10.6	8.6
CUTTING DEPTH (m)																
GROUND HEIGHT (m)	8.0	12.0	12.2	11.3	10.3	9.3	8.3	7.3	6.3	5.3	4.3	3.3	2.3	1.3	0.3	0.3
ACCUMULATE DISTANCE (m)	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000
DISTANCE (m)	10000	17.13	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000
STATION	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156
CURVE (m)																

PROJECT	DRAWING TITLE	SCALE	TOTAL SHEET
SOUTHERN LUX ROAD	PLAN & PROFILE		13

PLAN
SCALE 1:2500



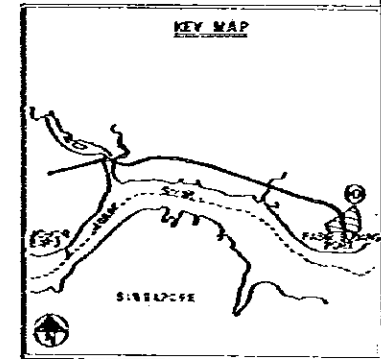
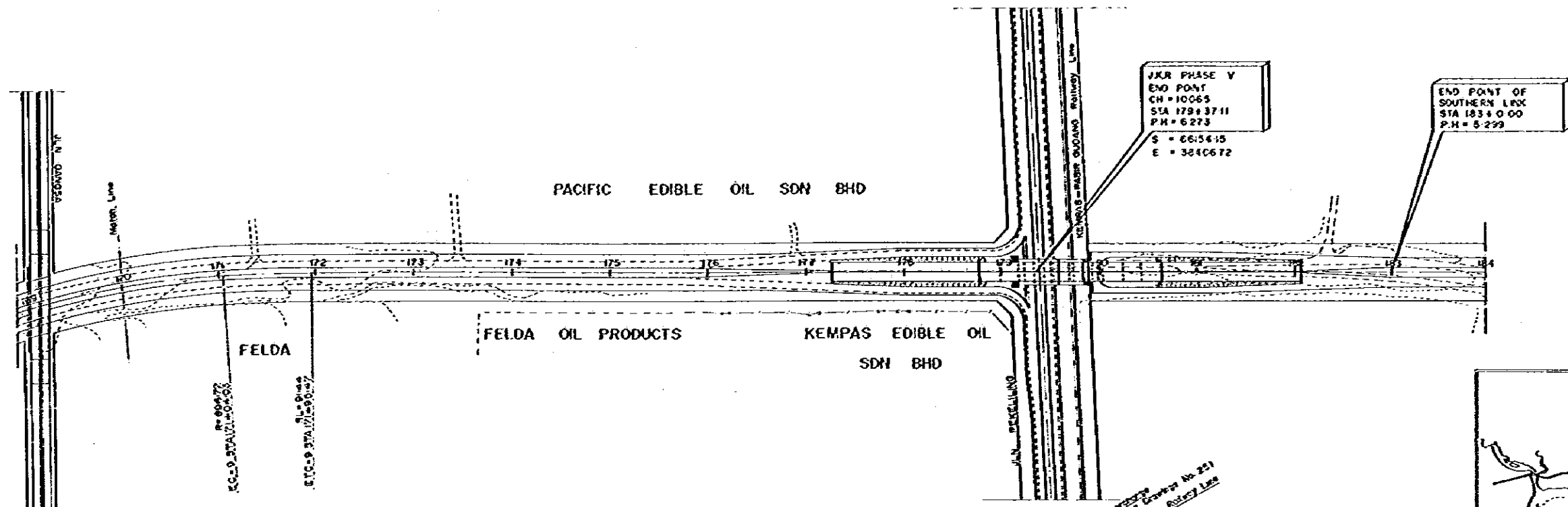
PROFILE
SCALE: V=1:500
H=1:2500



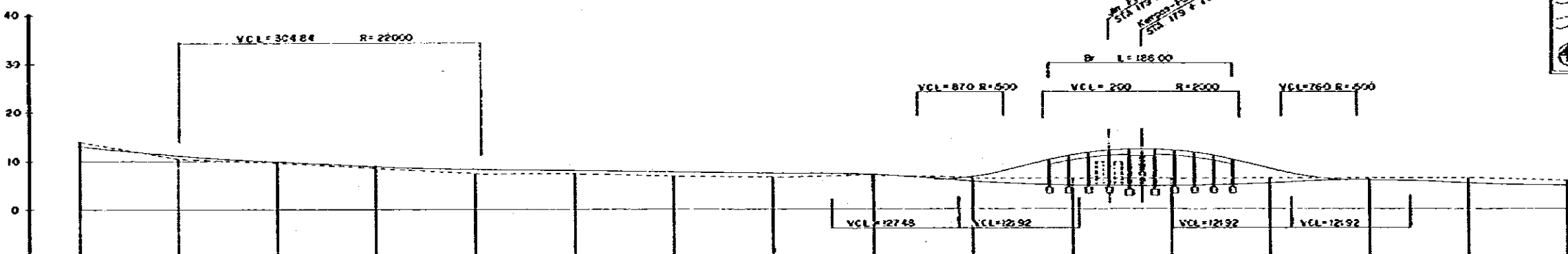
	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170
PROPOSED HEIGHT (m)	10.300	10.746	12.010	12.477	12.240	12.002	11.769	11.941	12.778	14.281	16.005	15.911	16.336	14.703	13.007	11.312
EMBANKMENT HEIGHT (m)	1:1	0:9	1:0	1:0	1:0	0:7	0:7	0:1	2:1	1:2	1:2	0:8	1:1	0:9		0:9
CUTTING DEPTH (m)															1:1	
GROUND HEIGHT (m)	14.3	12.6	11.6	11.0	11.2	11.3	11.1	11.8	10.7	13.7	14.9	16.1	15.2	13.6	14.1	10.4
ACCUMULATE DISTANCE (m)	10000-150000	10000-158000	10000-157000	10000-160000	10000-166000	10000-160000	10000-162000	10000-162000	10000-163000	10000-164000	10000-165000	10000-166000	10000-167000	10000-168000	10000-169000	10000-170000
DISTANCE (m)	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000
STATION	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170
CURVE (m)	L = 1848.14			L = 91.44			I.P. 9			R = 856.75		Lc = 981.58				

PROJECT	DRAWING TITLE	SCALE	TOTAL SHEET
SOUTHERN LINK ROAD	PLAN & PROFILE		14

PLAN
SCALE 1:2500

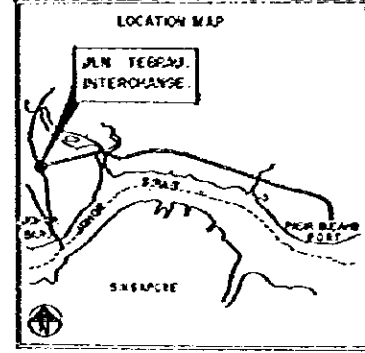


PROFILE
SCALE: V=1:500
H=1:2500

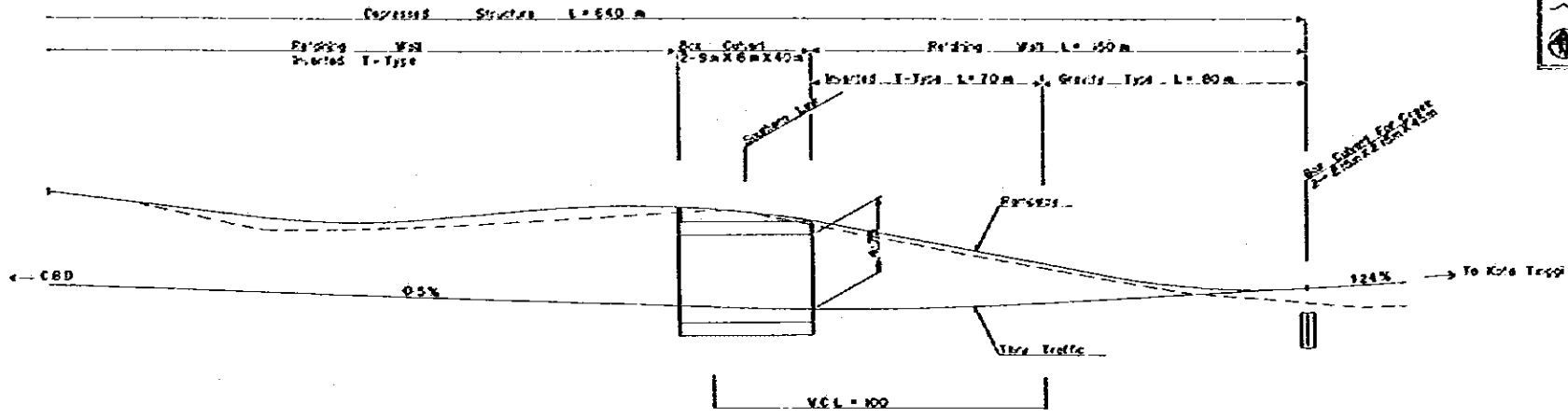


	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184
PROPOSED HEIGHT (m)	15.007	11.312	6.952	6.666	6.320	7.921	7.611	7.301	6.926	6.667	4.863	6.977	6.900	6.110	6.290	4.290
EMBANKMENT HEIGHT (m)		0.0	0.5	0.5	0.6	0.6	0.7	0.6	0.1	0.0	1.5	1.2	0.7	0.4	1.0	1.0
CUTTING DEPTH (m)	11															
GROUND HEIGHT (m)	14.1	0.4	6.5	6.0	7.4	7.1	6.9	6.7	6.8	6.2	6.2	6.1	6.1	6.5	6.3	6.8
ACCUMULATE DISTANCE (m)	00000-000000	00000-1700000	00000-1700000	00000-1700000	00000-1700000	00000-1700000	00000-1700000	00000-1700000	00000-1700000	00000-1700000	00000-1700000	00000-1700000	00000-1700000	00000-1700000	00000-1700000	00000-1700000
DISTANCE (m)	00000	00000-1700000	00000-1700000	00000-1700000	00000-1700000	00000-1700000	00000-1700000	00000-1700000	00000-1700000	00000-1700000	00000-1700000	00000-1700000	00000-1700000	00000-1700000	00000-1700000	00000-1700000
STATION	169	170	171 RC 9 P=0.03	172 RC 9 P=0.03	173	174	175	176	177	178	179	180	181	182	183	184
CURVE (m)			L=9144						L=120453							

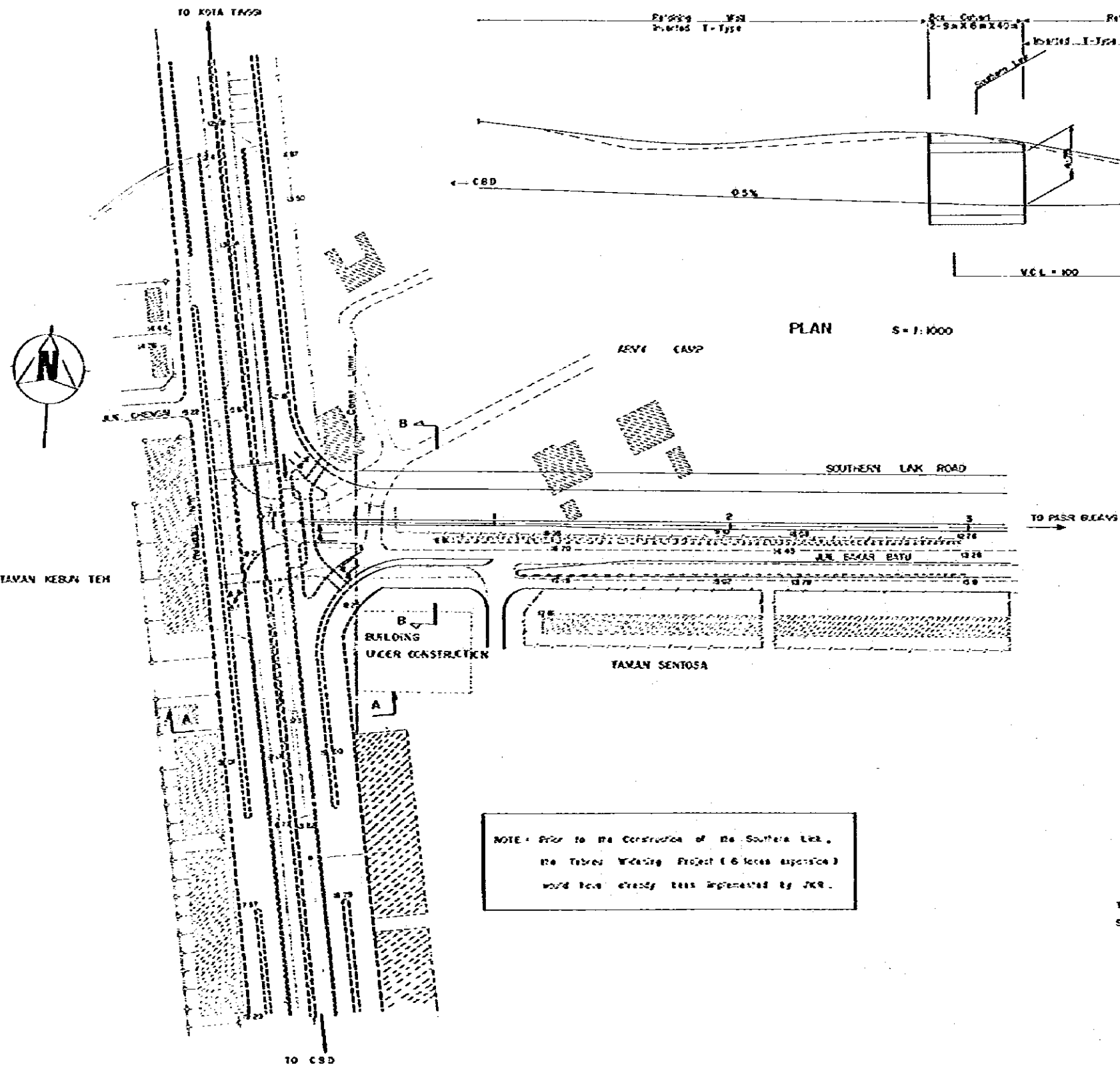
PROJECT SOUTHERN LINK ROAD	DRAWING TITLE PLAN & PROFILE	SCALE	TOTAL SHEET 15
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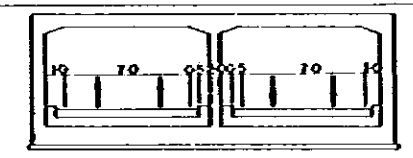
Jln. Tebrau Profile
 S H = 1:1000
 V = 1:200



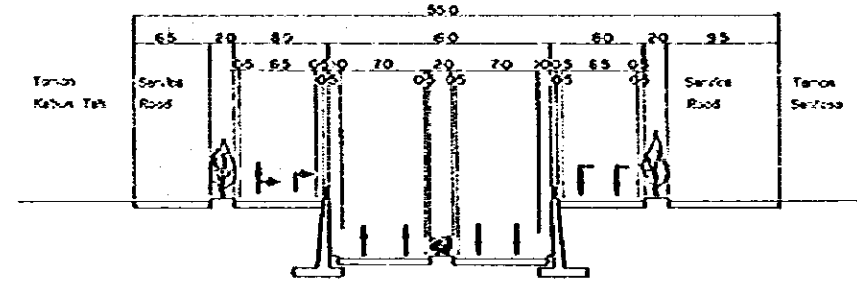
PLAN S = 1:1000



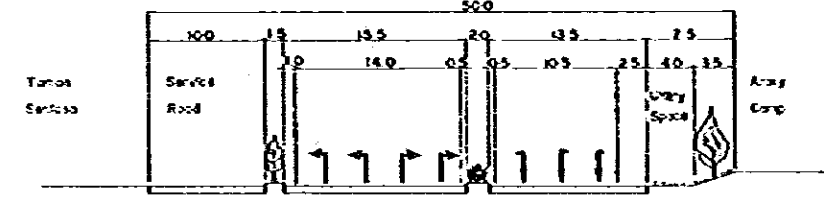
Box Culvert Section S = 1:200



Section A-A S = 1:300



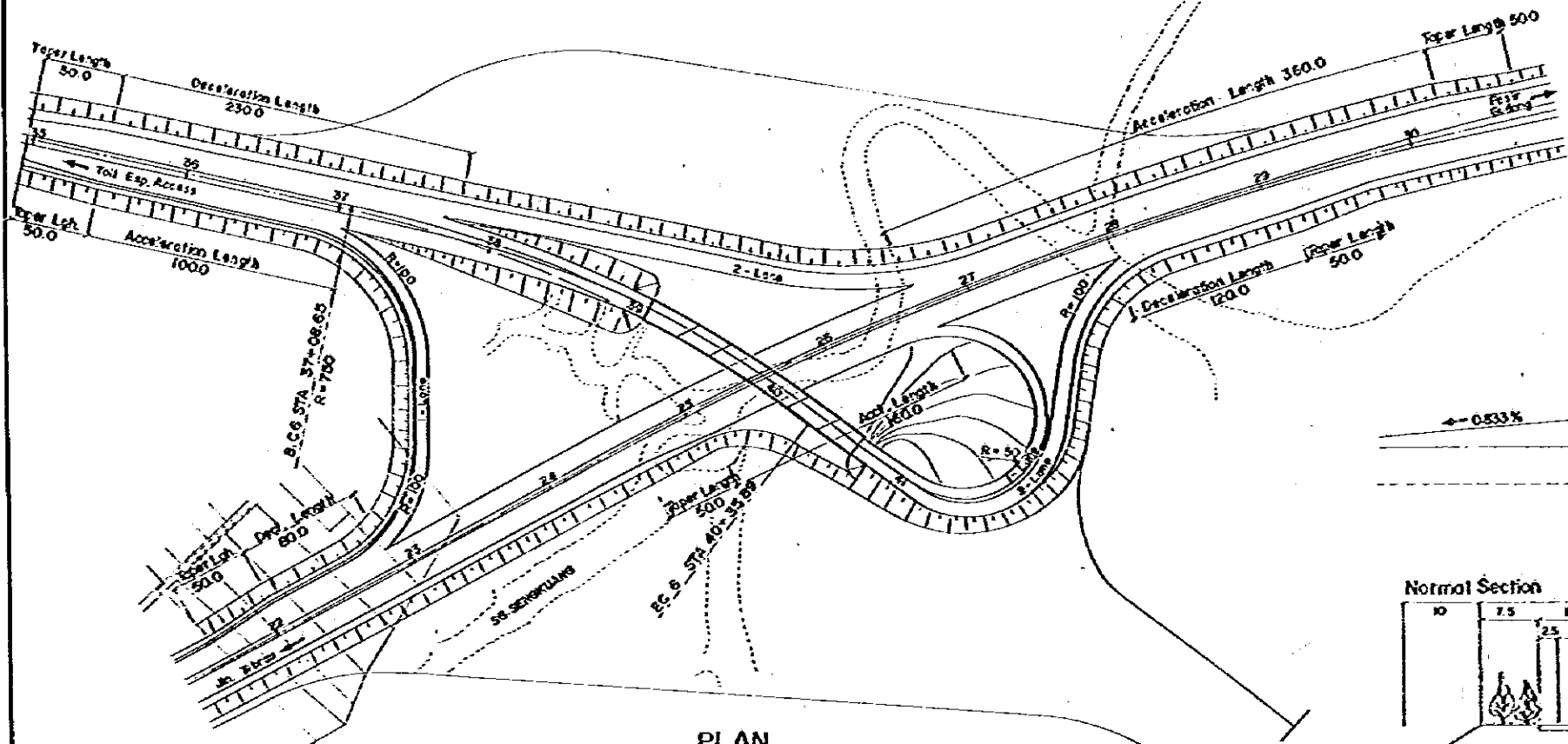
Section B-B S = 1:300



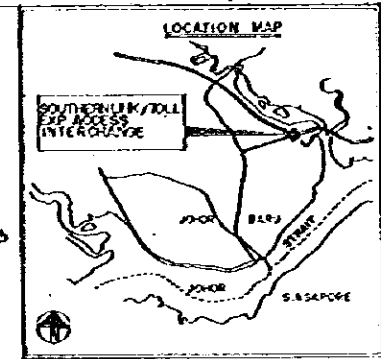
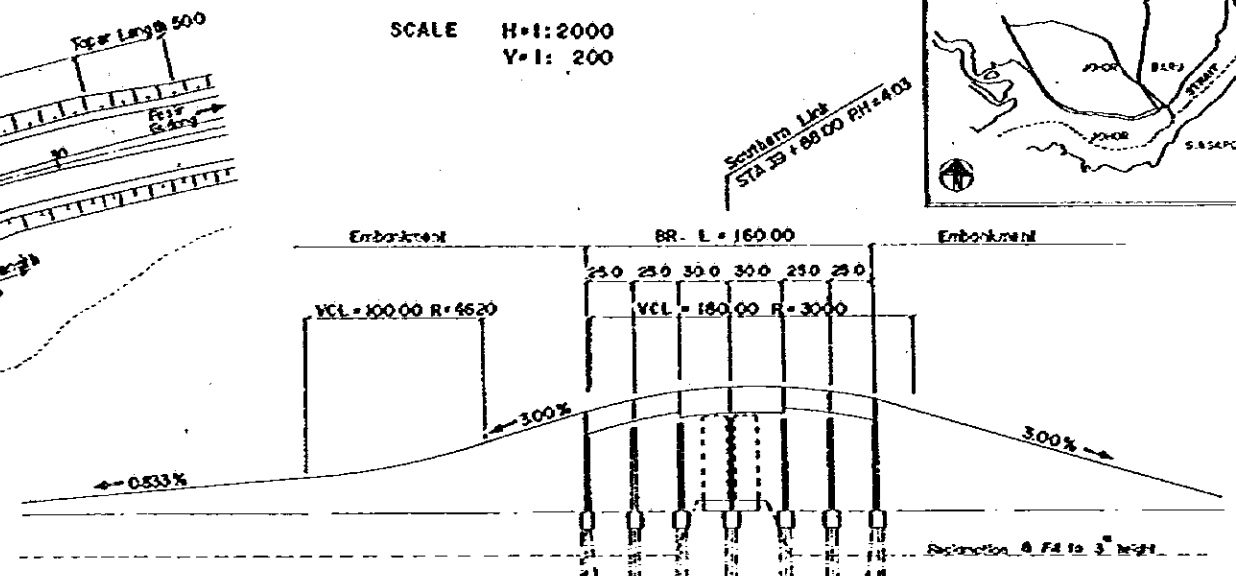
NOTE: Prior to the construction of the Southern Link, the Tebrau Interchange Project (6 lanes expansion) would have already been implemented by JKR.

PROJECT	DRAWINGS TITLE	SCALE	TOTAL SHEET
SOUTHERN LINK ROAD	J. TEBRAU INTERCHANGE		16

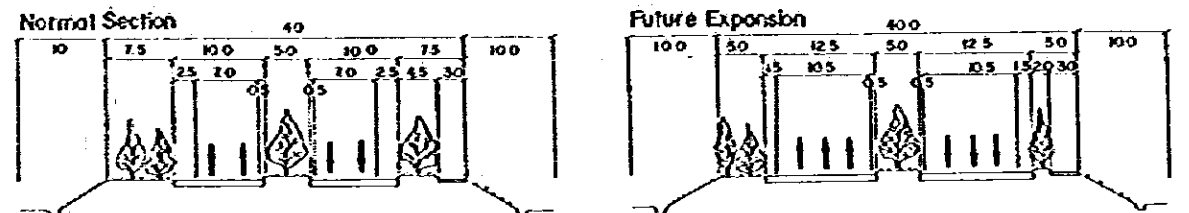
PLAN
FIRST STAGE SCALE 1:2000



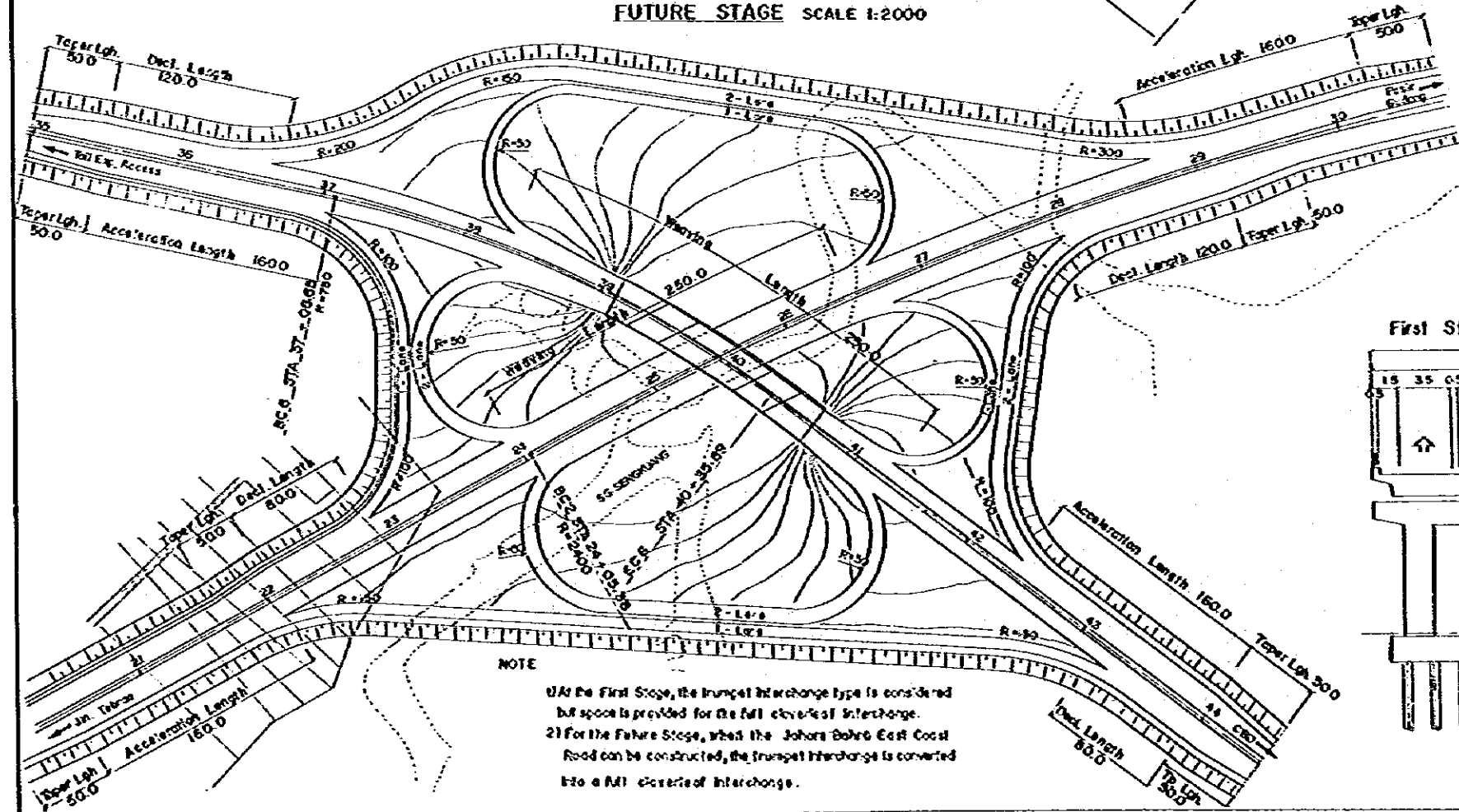
PROFILE
TOLL EXPRESSWAY ACCESS
SCALE H=1:2000
V=1:200



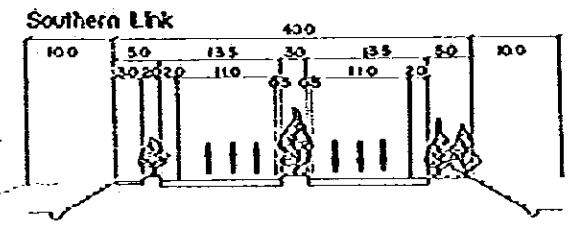
CROSS SECTION
TOLL EXPRESSWAY ACCESS SCALE 1:400



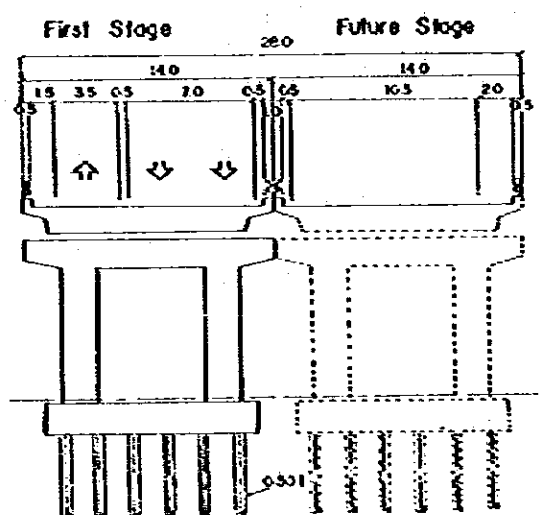
PLAN
FUTURE STAGE SCALE 1:2000



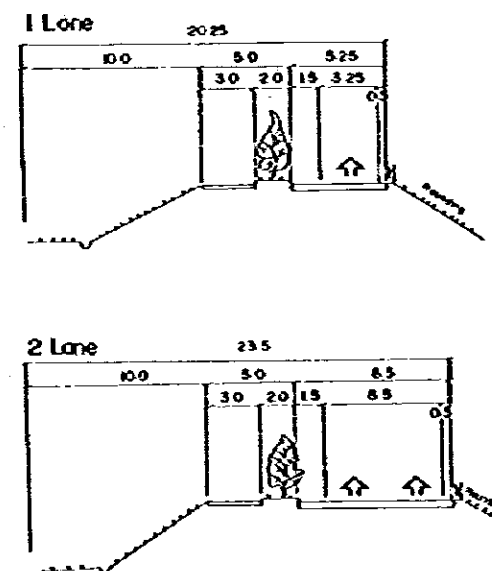
NOTE
1) At the First Stage, the trumpet interchange type is considered but space is provided for the full cloverleaf interchange.
2) For the Future Stage, when the Johore Bahru East Coast Road can be constructed, the trumpet interchange is converted into a full cloverleaf interchange.



BRIDGE SECTION
SCALE 1:200



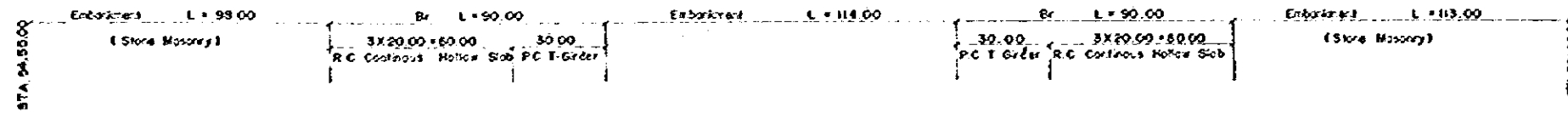
RAMPWAY SCALE 1:200



PROJECT	DRAWING TITLE	SCALE	TOTAL SHEET
SOUTHERN LINK	SOUTHERN LINK/ TOLL EXP. ACCESS INTERCHANGE		17

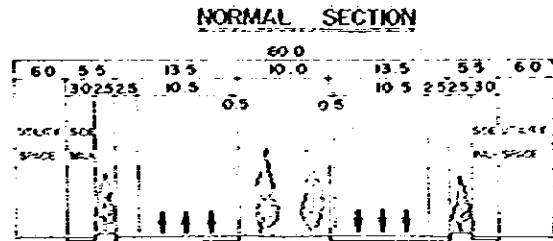
SOUTHERN LINK PROFILE

SCALE H = 1000
V = 200

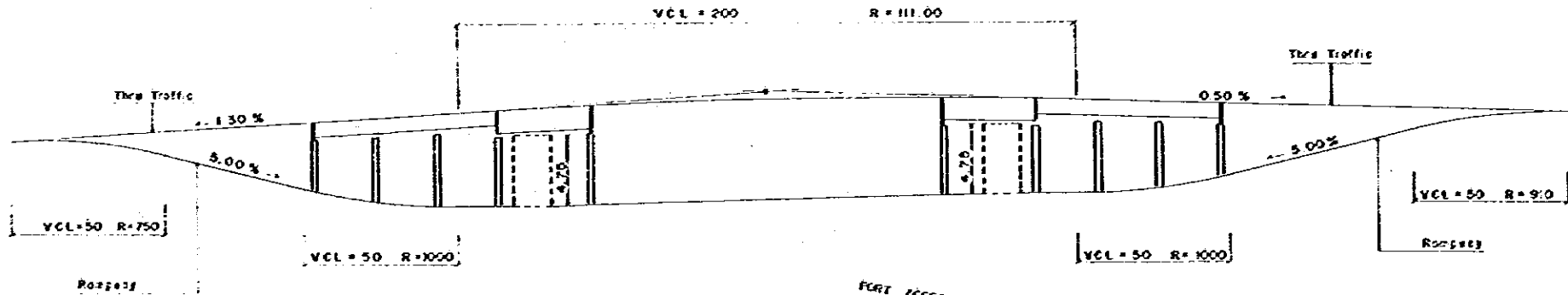


CROSS SECTION

SCALE = 1:400



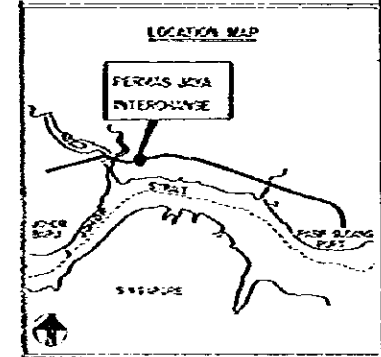
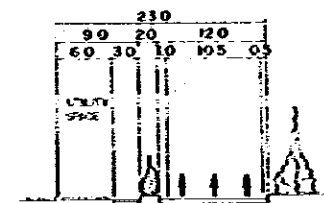
NORMAL SECTION



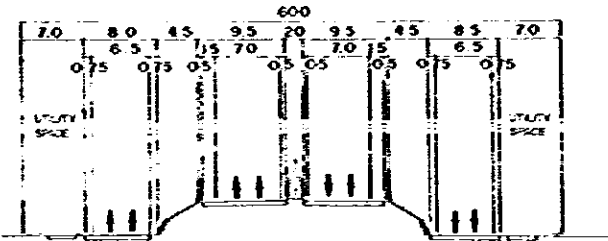
PLAN

SCALE = 1:1000

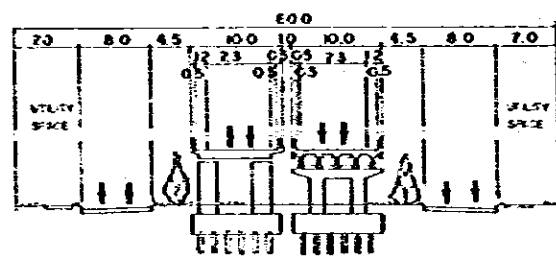
SECTION C-C



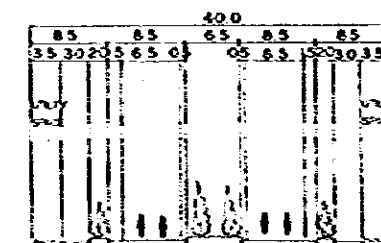
SECTION A-A



BRIDGE SECTION



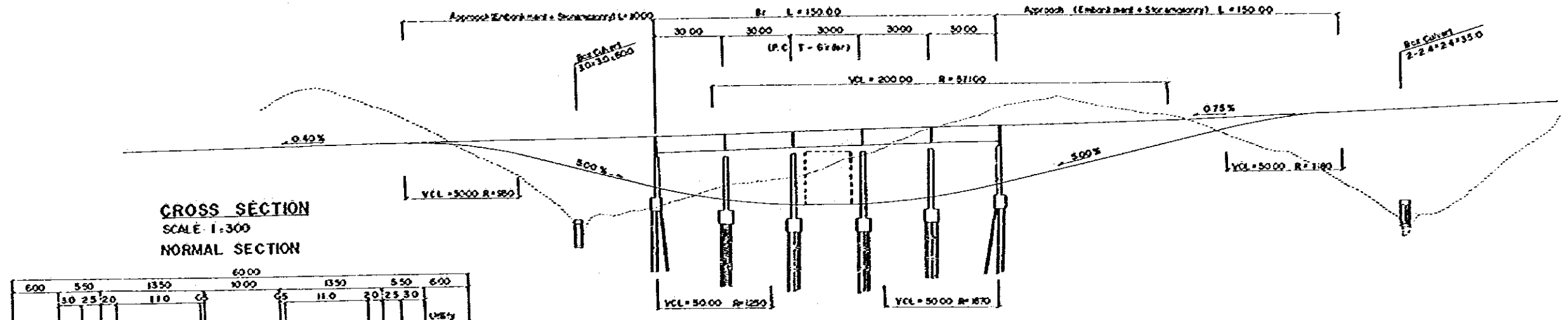
SECTION B-B



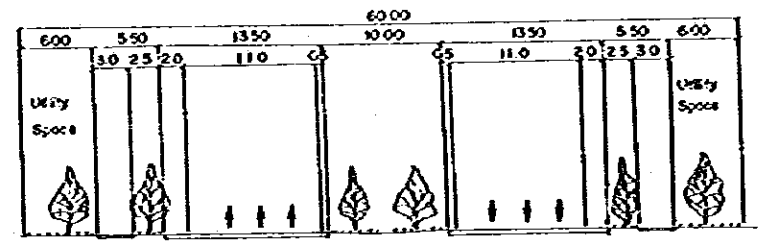
PROJECT	DRAWING TITLE	SCALE	TOTAL SHEET
SOUTHERN LINK ROAD	PERMAS JAYA INTERCHANGE		18

SOUTHERN LINK PROFILE

SCALE H: 1:1000
V: 1: 200

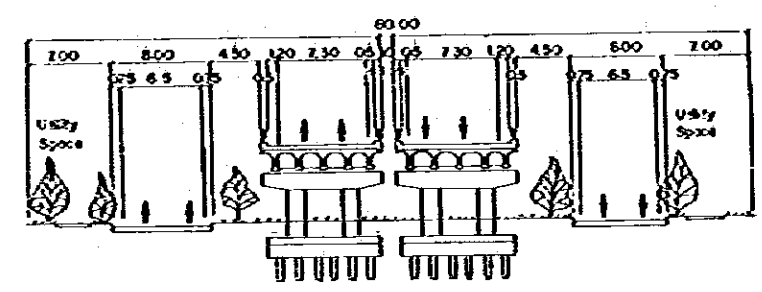


CROSS SECTION
SCALE 1:300
NORMAL SECTION

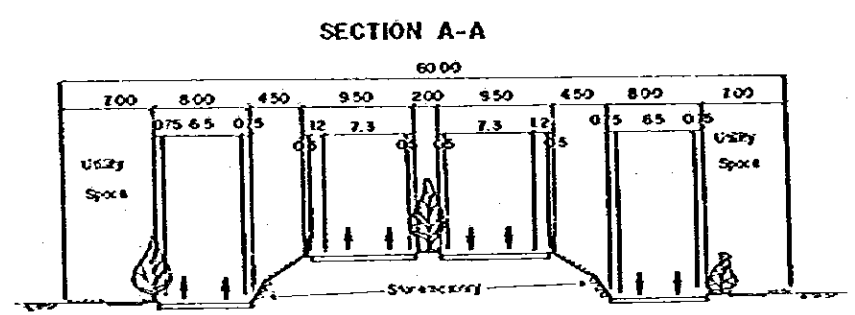


BRIDGE SECTION

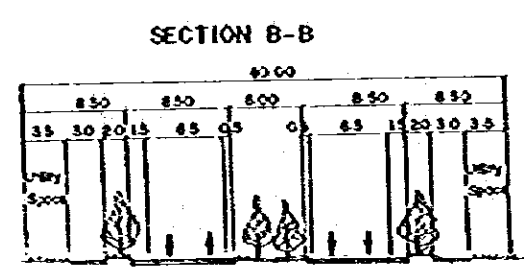
SCALE 1:300



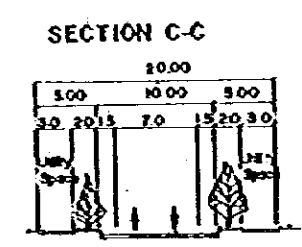
PLAN
SCALE 1:1000



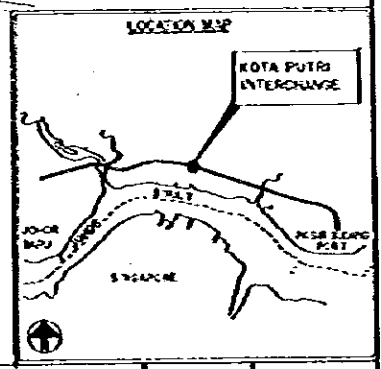
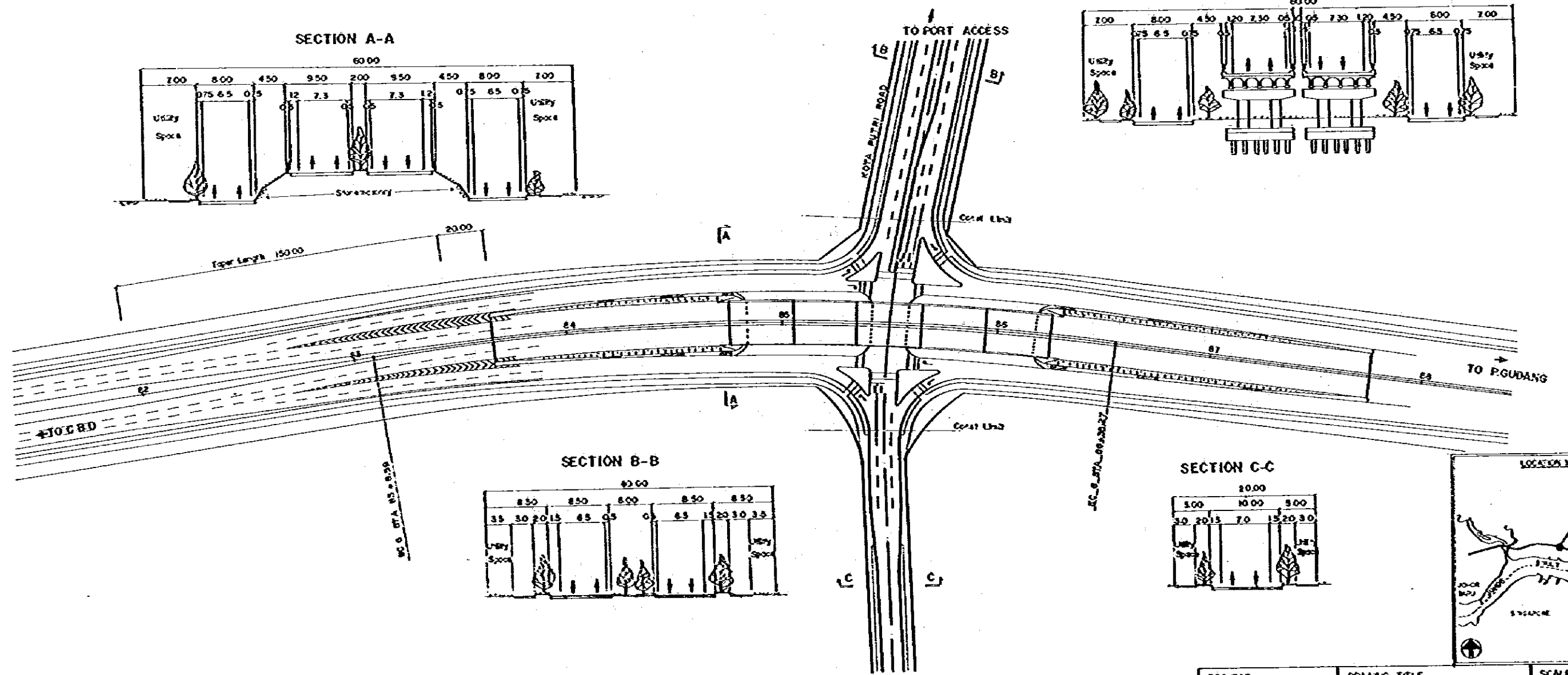
SECTION A-A



SECTION B-B



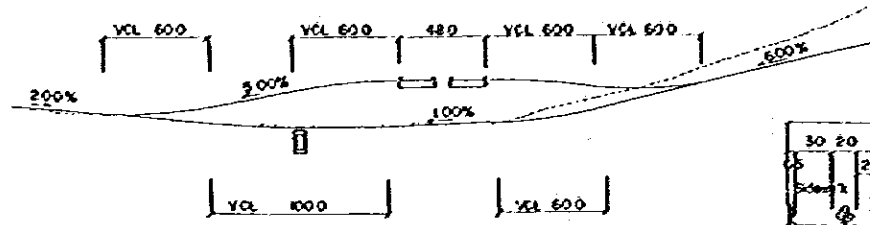
SECTION C-C



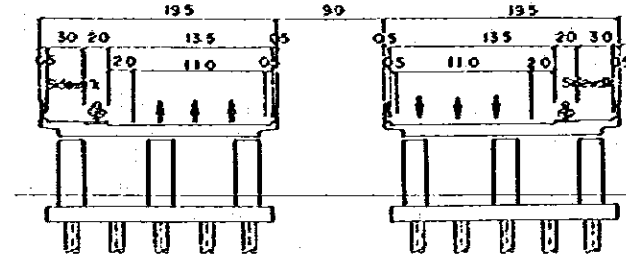
PROJECT	DRAWING TITLE	SCALE	TOTAL SHEET
SOUTHERN LINK ROAD	KOTA PUTRI INTERCHANGE		19

Permas Jaya Grade Separation (STA 67+80)

PERMAS JAYA ROAD PROFILE SCALE H:1:2000
V:1:500

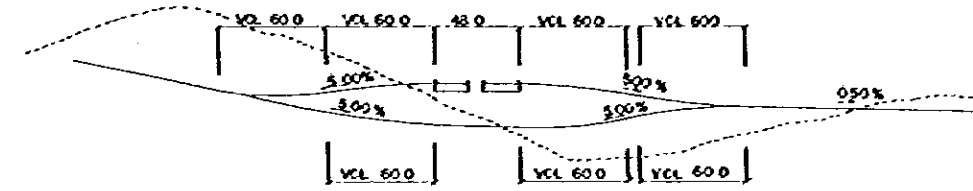


BRIDGE SECTION
SCALE 1:300

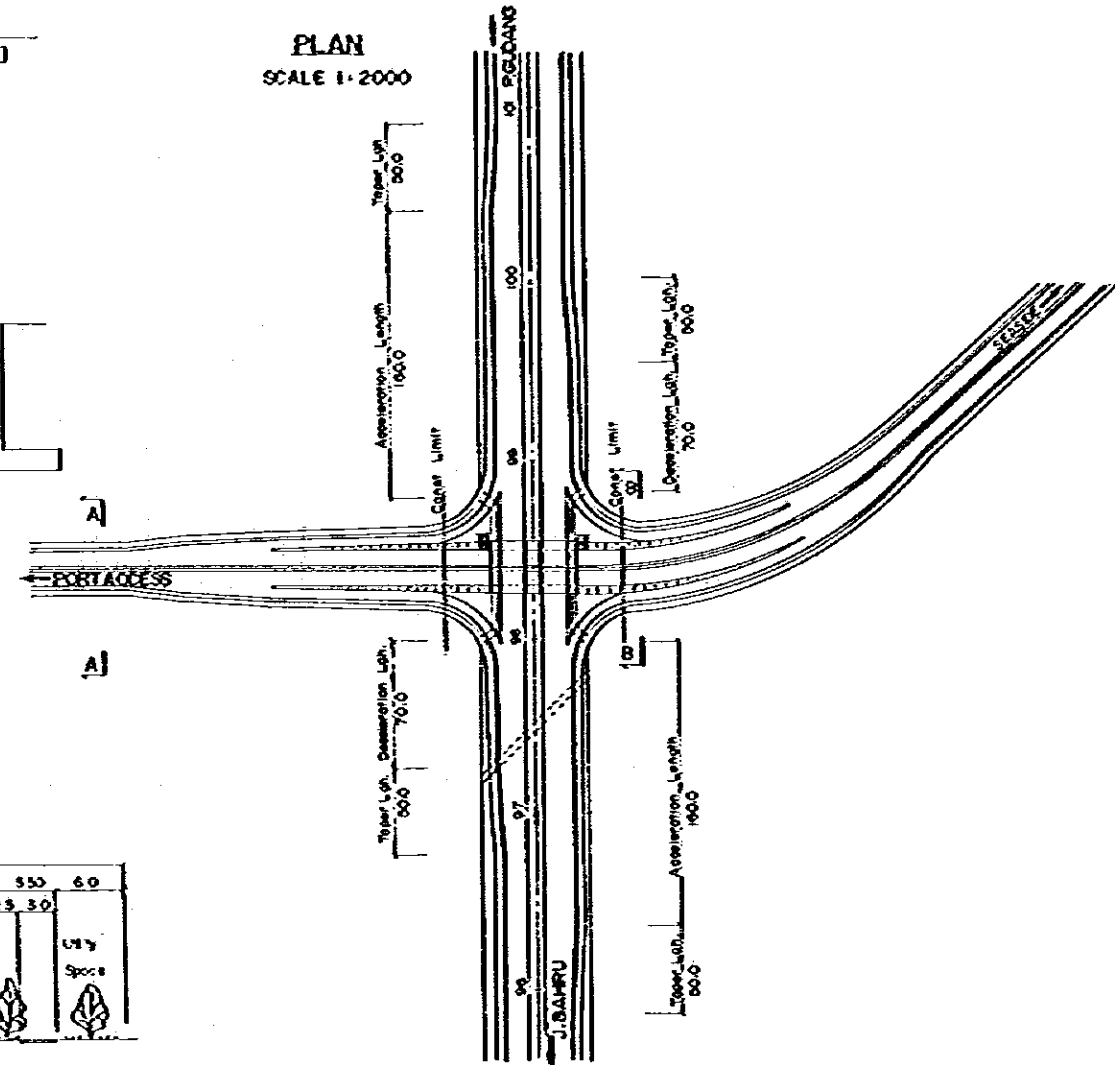


Kota Putri Grade Separation (STA 98+40)

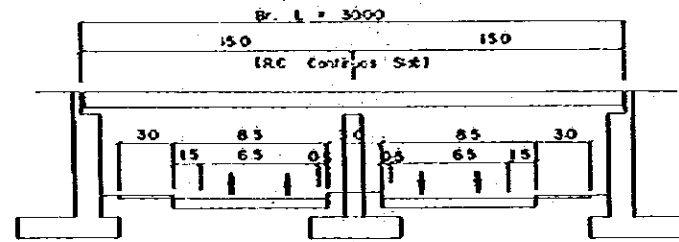
KOTA PUTRI ROAD PROFILE SCALE H:1:2000
V:1:500



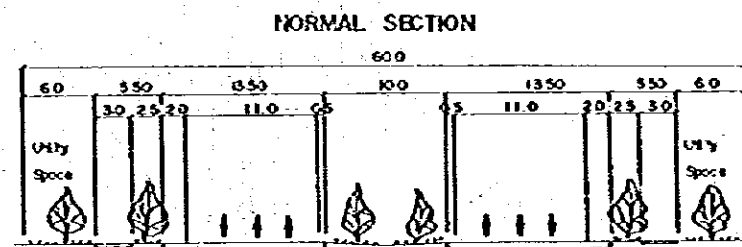
PLAN
SCALE 1:2000



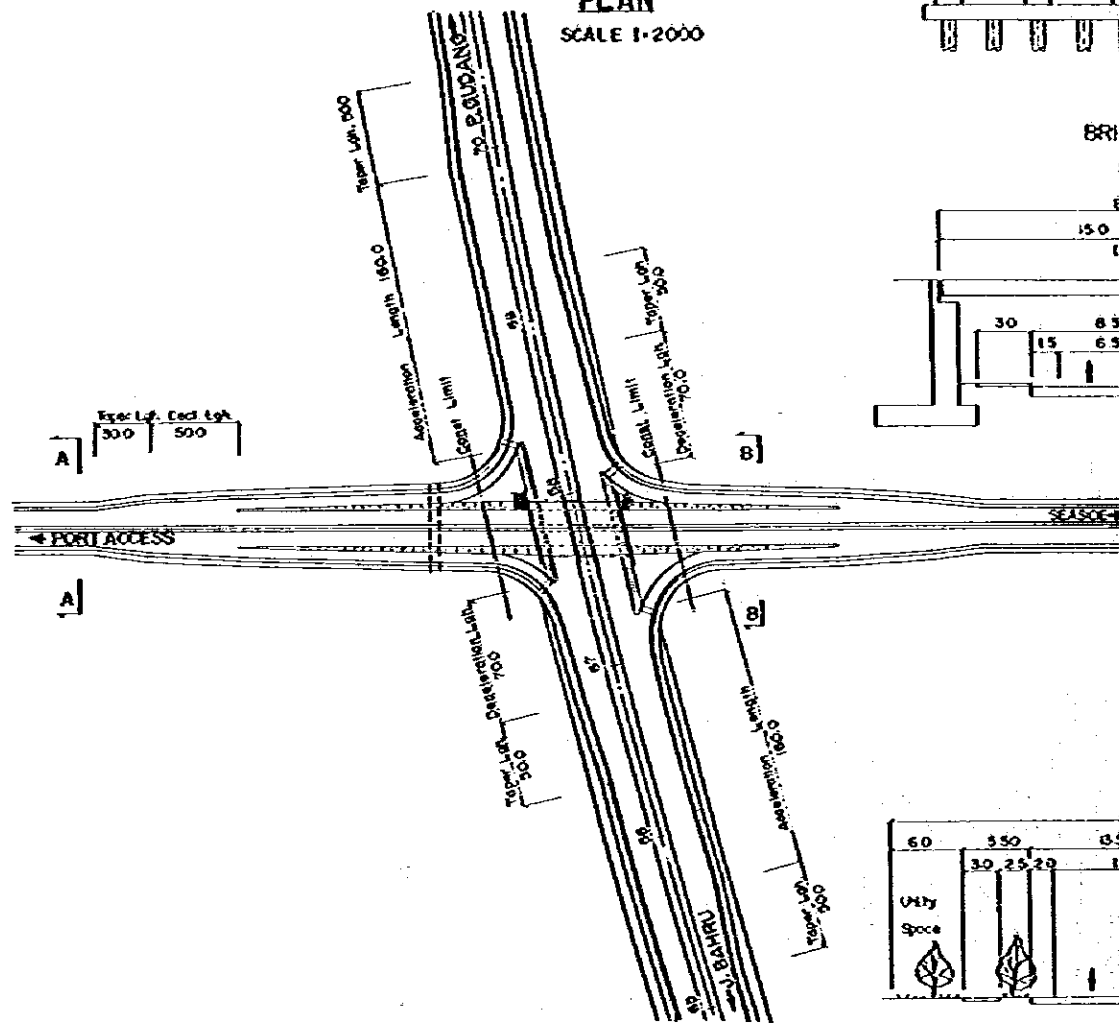
BRIDGE SIDE VIEW
SCALE 1:200



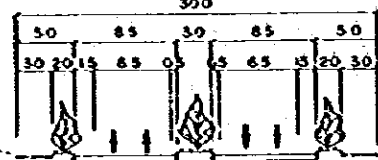
CROSS SECTION
SCALE 1:300



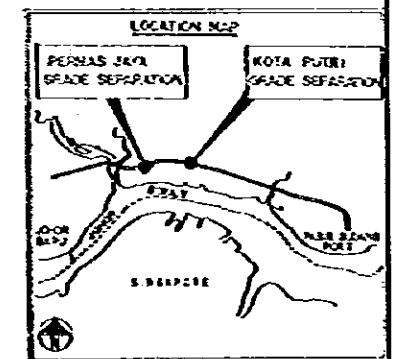
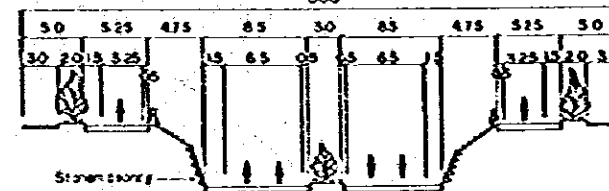
PLAN
SCALE 1:2000



SECTION A-A
300



SECTION B-B
500



PROJECT	DRAWING TITLE	SCALE	TOTAL SHEET
SOUTHERN LINK ROAD	PERMAS JAYA/KOTA PUTRI GRADE SEPARATION		20

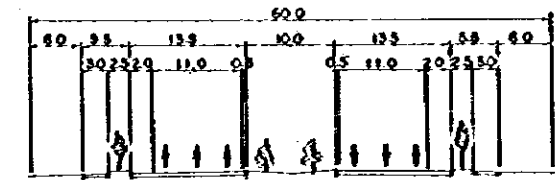
GUNUNG HIJAU ROAD PROFILE

H = 1:1000
V = 1:200

CROSS SECTION

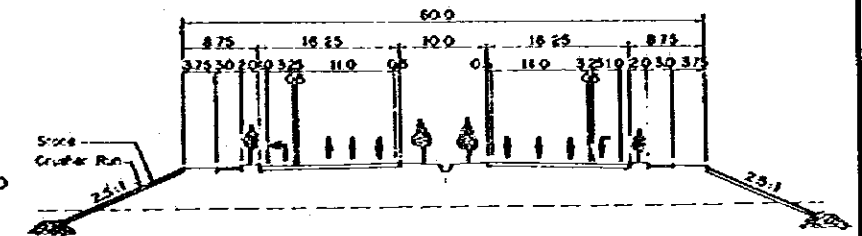
SOUTHERN LINK ROAD - NORMAL

S = 1:400



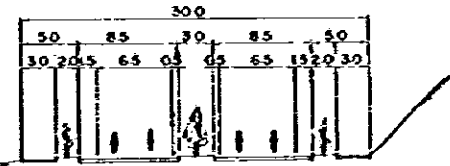
SECTION A-A

S = 1:400



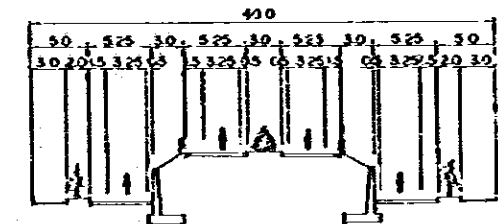
GUNUNG HIJAU ROAD - NORMAL

S = 1:300



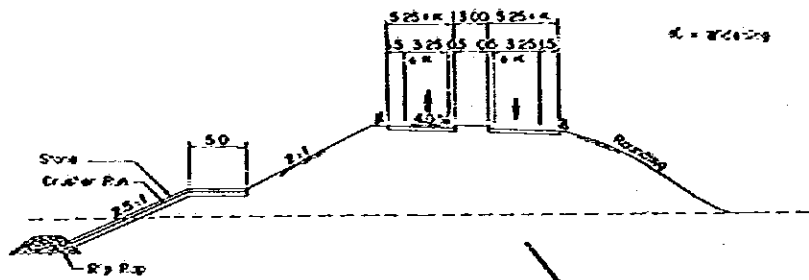
SECTION B-B

S = 1:300



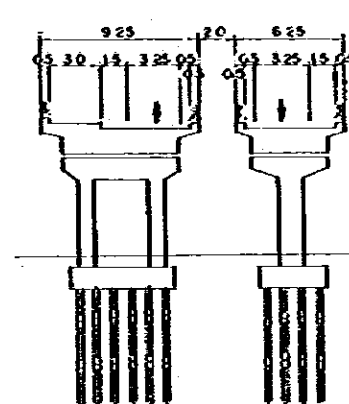
RAMP

S = 1:300



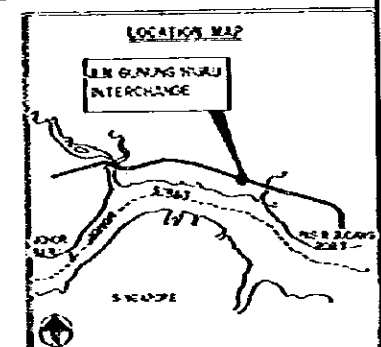
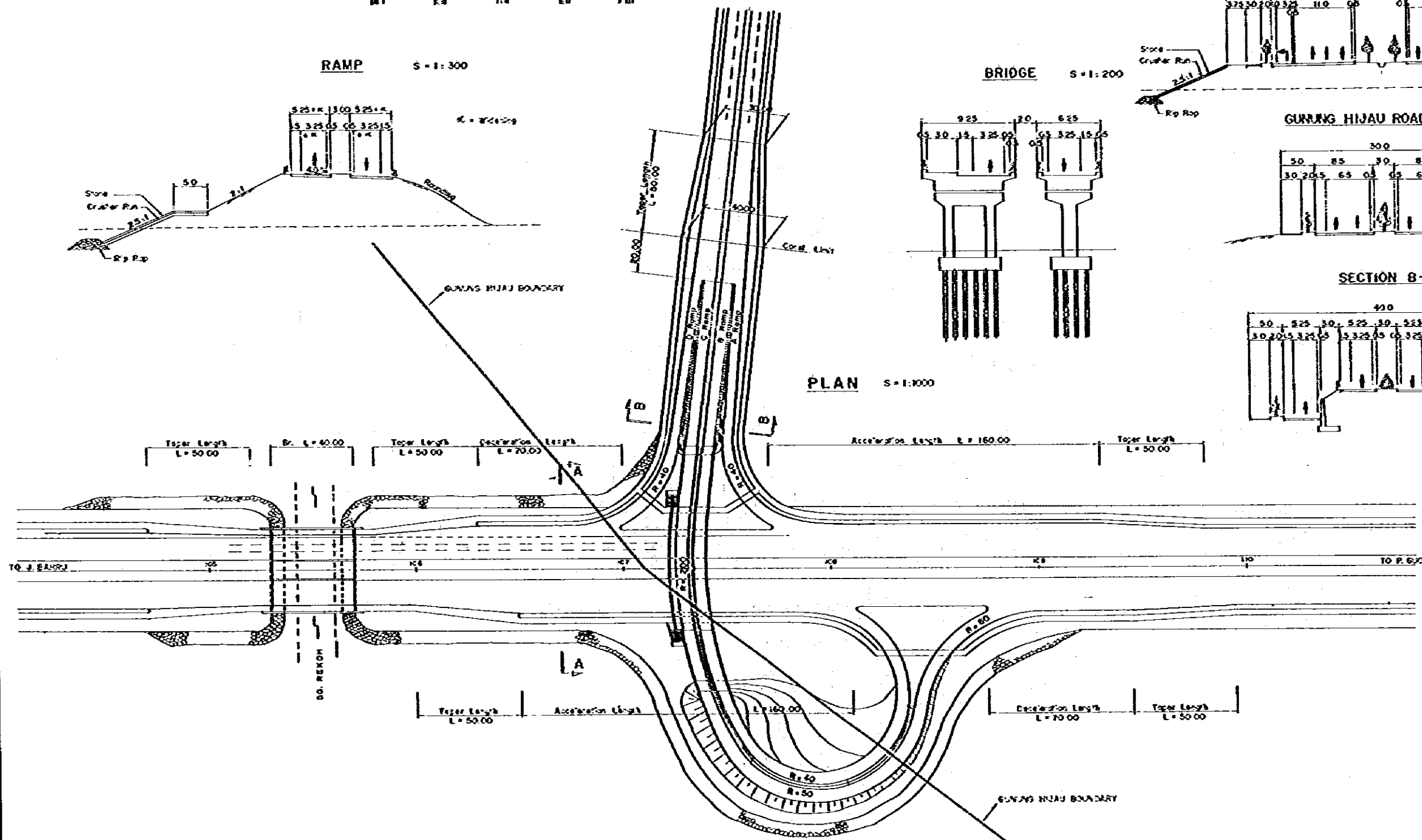
BRIDGE

S = 1:200



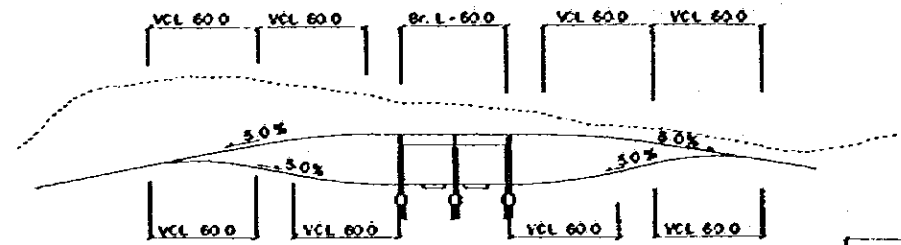
PLAN

S = 1:1000



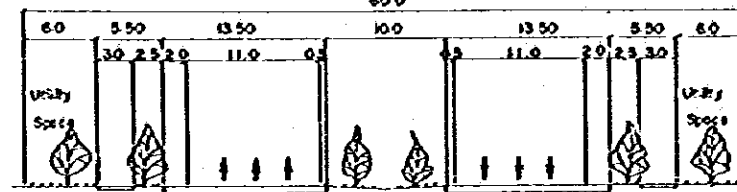
PROJECT	DRAWING TITLE	SCALE	TOTAL SHEET
J.B-P.G SOUTHERN LINK ROAD	JLN GUNUNG HIJAU INTERCHANGE		21

Kg. K. Masai Grade Separation (STA121+50)
CROSSING ROAD PROFILE SCALE H:1-2000 V:1-500

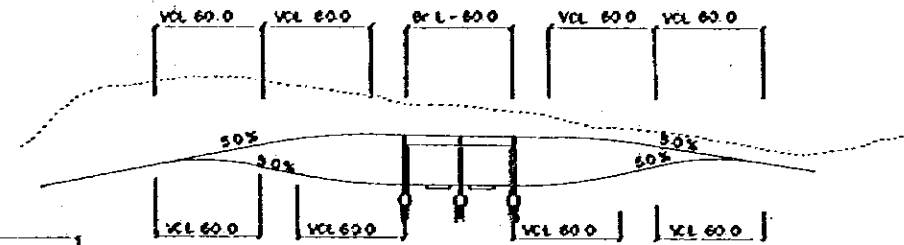


PLAN
SCALE 1:2000

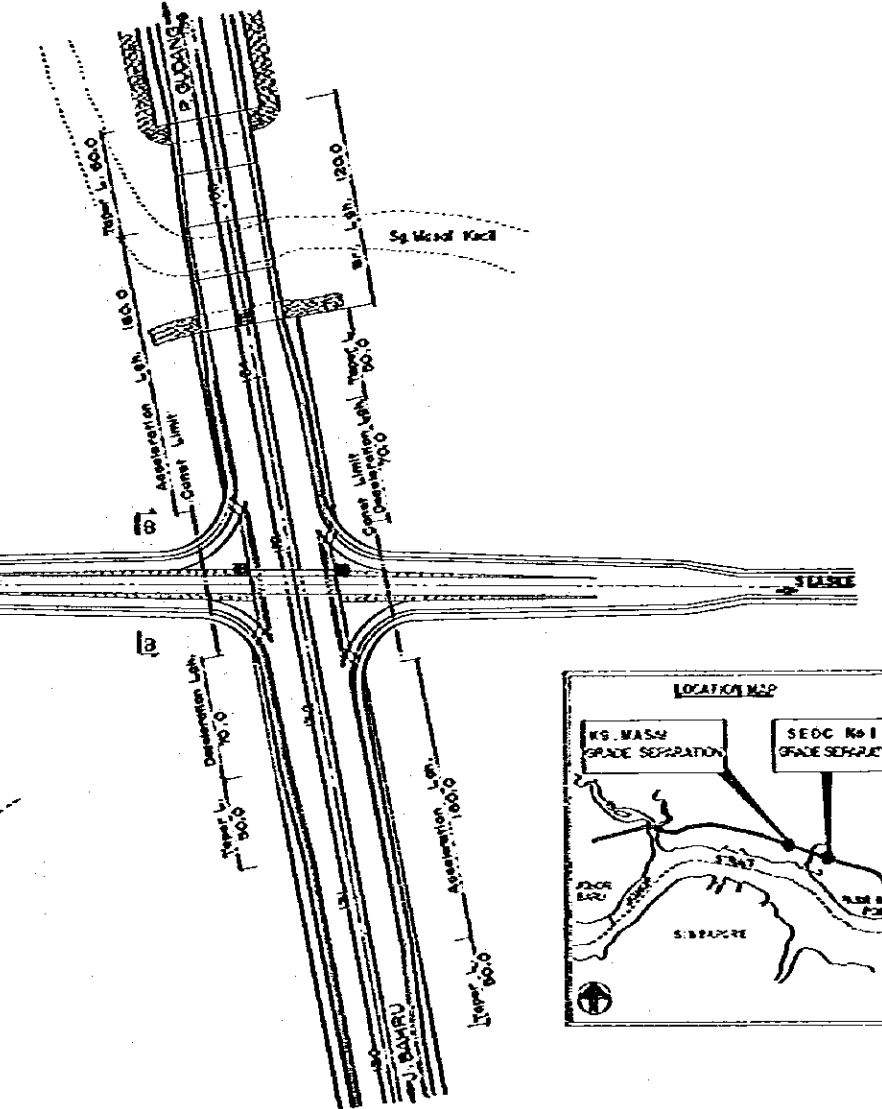
CROSS SECTION
SCALE 1:300
NORMAL SECTION



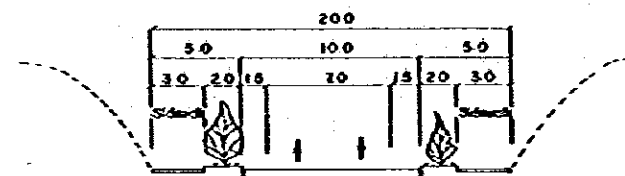
SEDC Grade Separation NO-1 (STA132+80)
CROSSING ROAD PROFILE SCALE H:1-2000 V:1-500



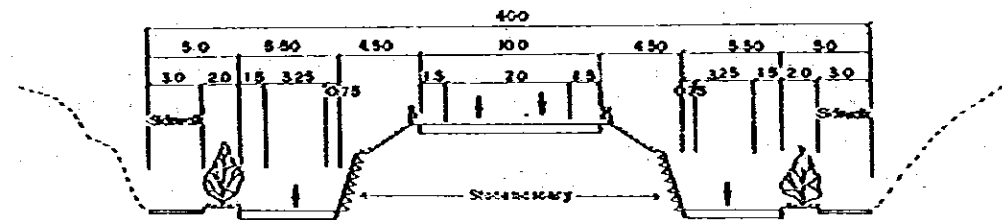
PLAN
SCALE 1:2000



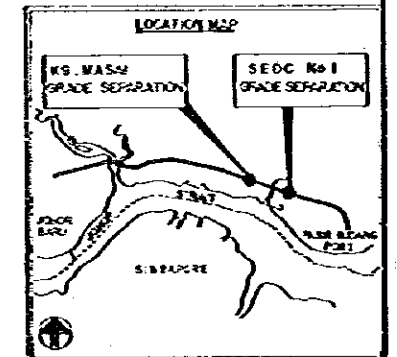
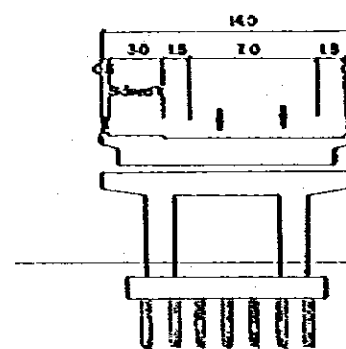
SECTION A-A
SCALE 1:200



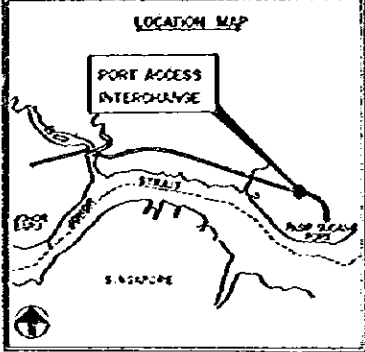
SECTION B-B



BRIDGE SECTION
SCALE 1:200

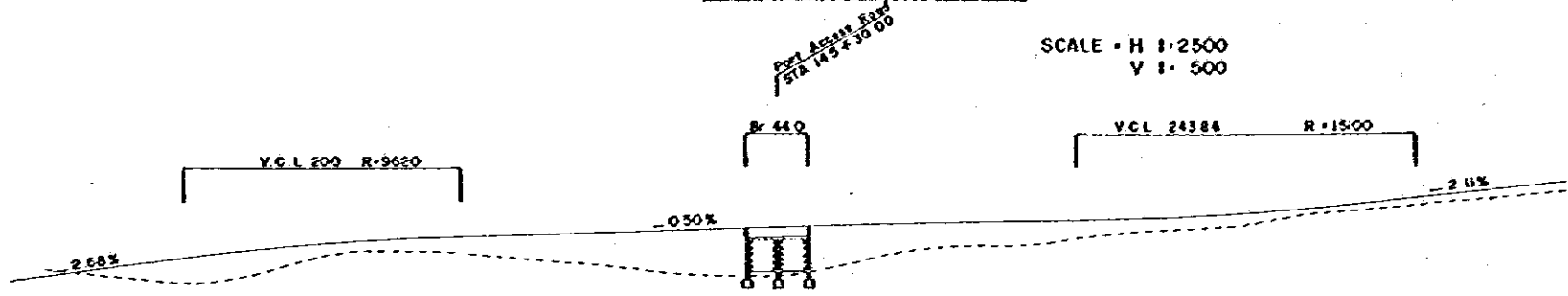


PROJECT	DRAWING TITLE	SCALE	TOTAL SHEET
SOUTHERN LINK ROAD	KG. K. MASAI/SEDC GRADE SEPARATION (I)		22



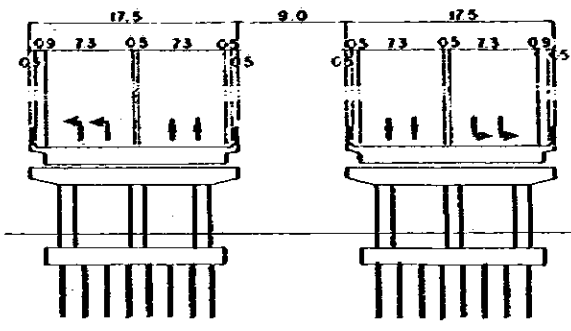
SOUTHERN LINK PROFILE

SCALE - H 1:2500
V 1: 500



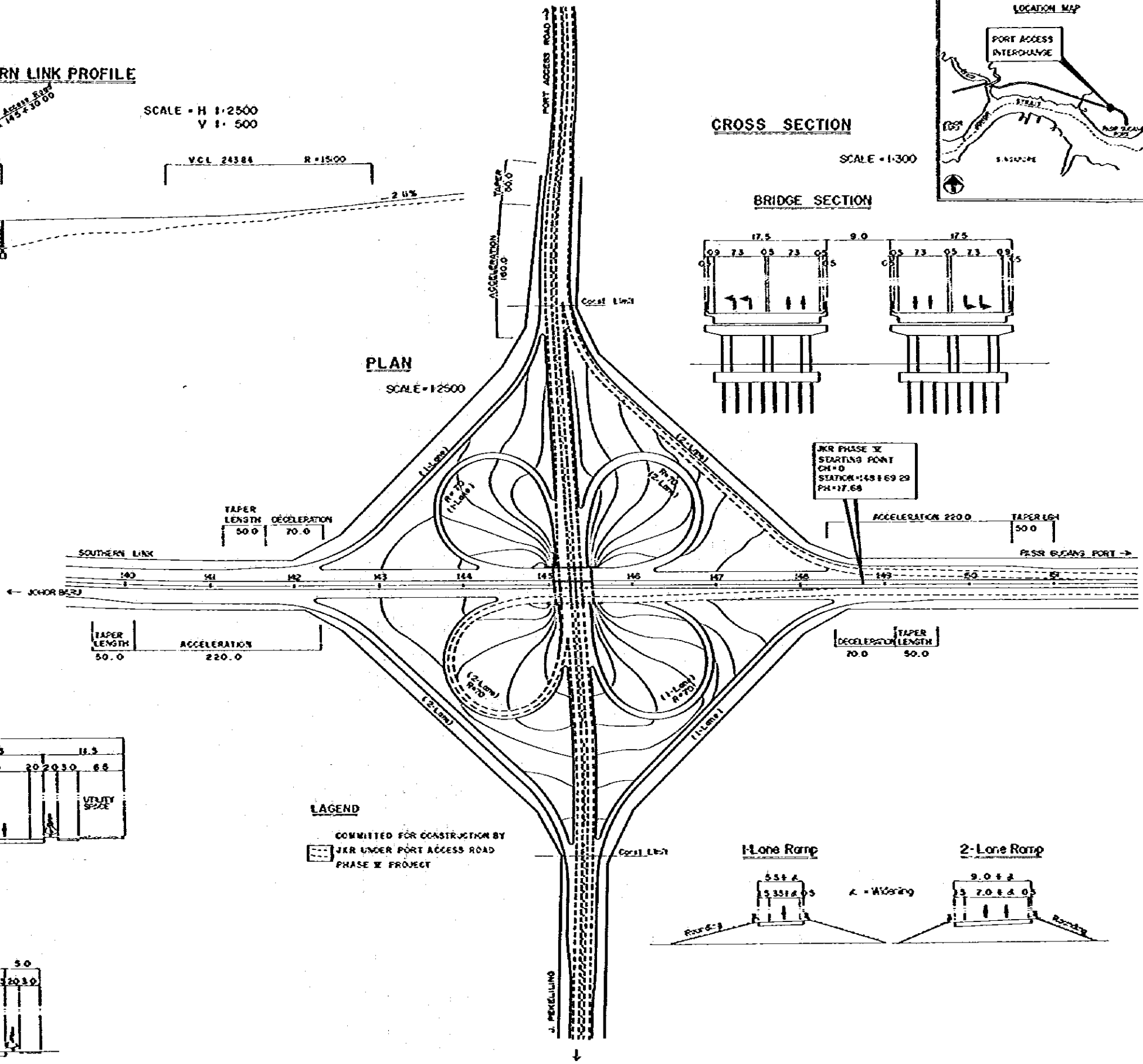
CROSS SECTION

SCALE = 1:300



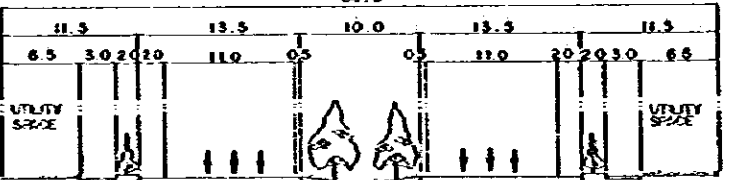
PLAN

SCALE = 1:2500

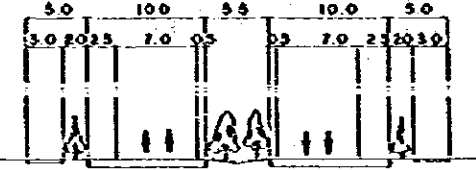


CROSS SECTION

SCALE = 1:300



JALAN PEKELING

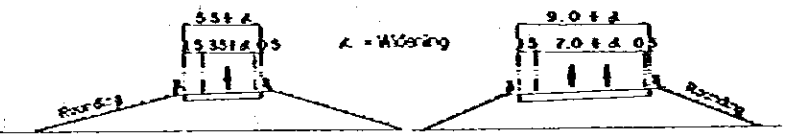


LEGEND

COMMITTED FOR CONSTRUCTION BY
JKR UNDER PORT ACCESS ROAD
PHASE X PROJECT

1-Lane Ramp

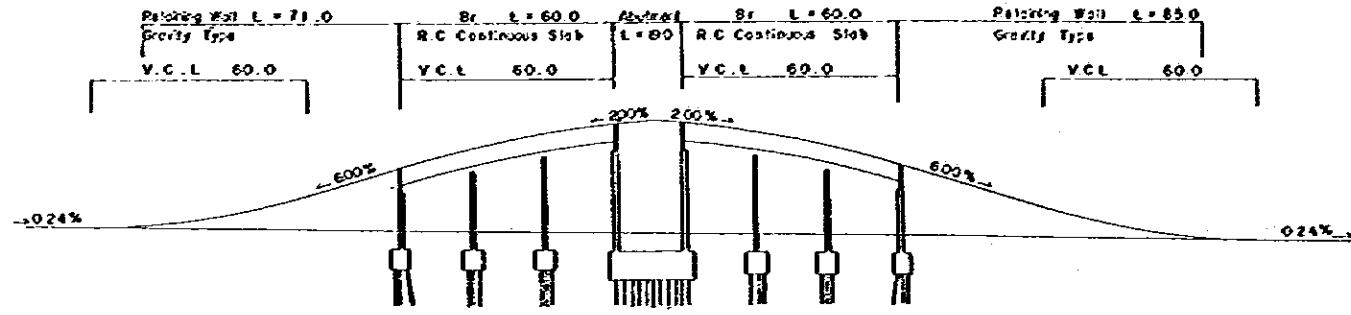
2-Lane Ramp



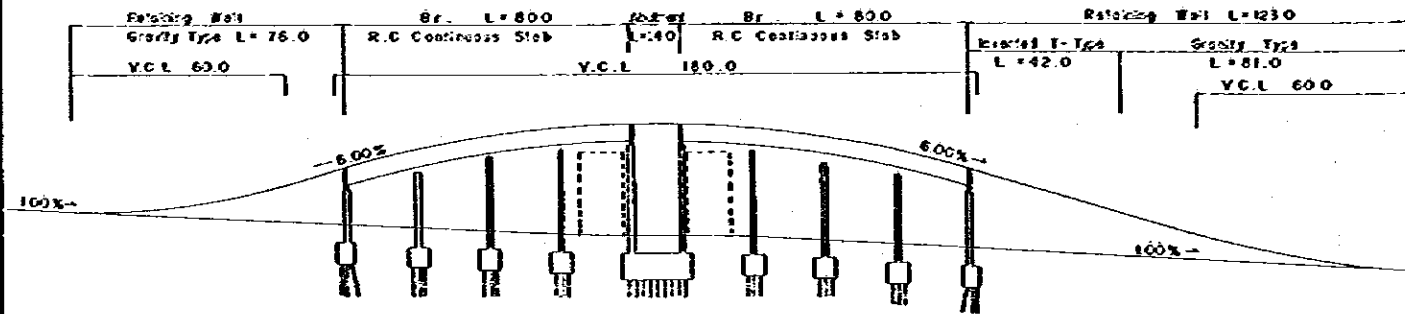
PROJECT	DRAWING TITLE	SCALE	TOTAL SHEET
SOUTHERN LINK ROAD	PORT ACCESS INTERCHANGE		23

SOUTHERN LINK PROFILE

SCALE: H = 1000
V = 200

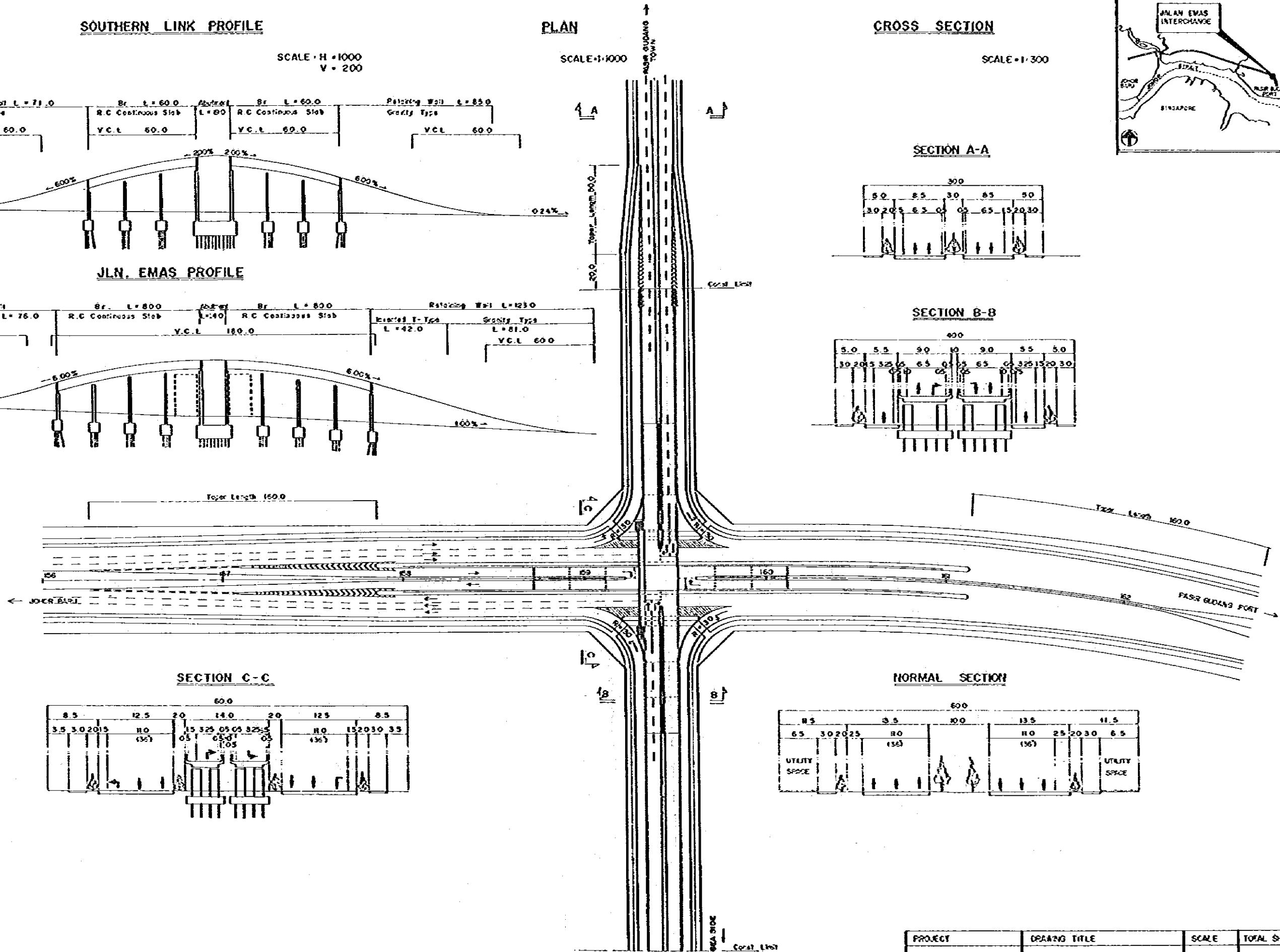


JLN. EMAS PROFILE



PLAN

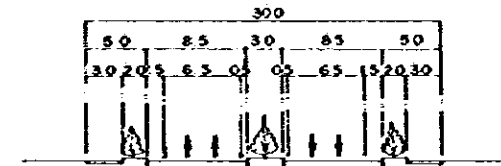
SCALE: 1:1000



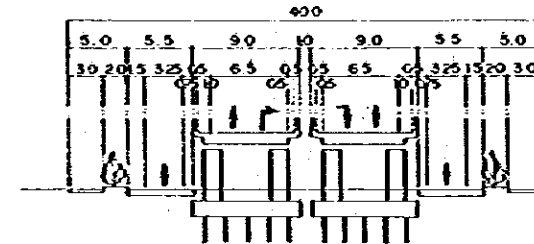
CROSS SECTION

SCALE: 1:300

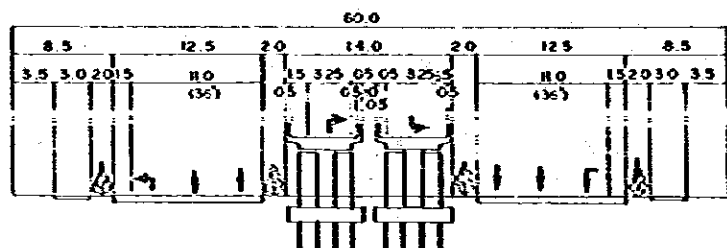
SECTION A-A



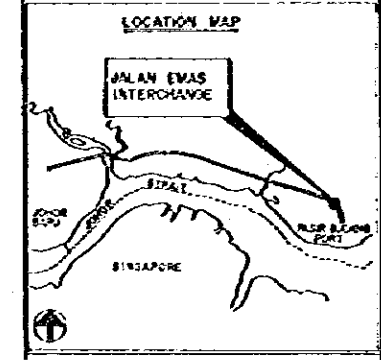
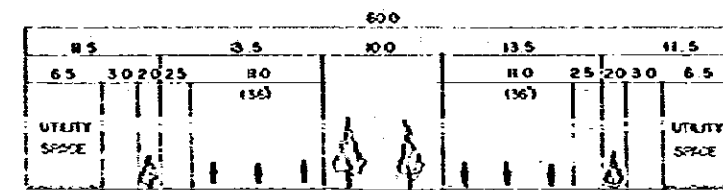
SECTION B-B



SECTION C-C

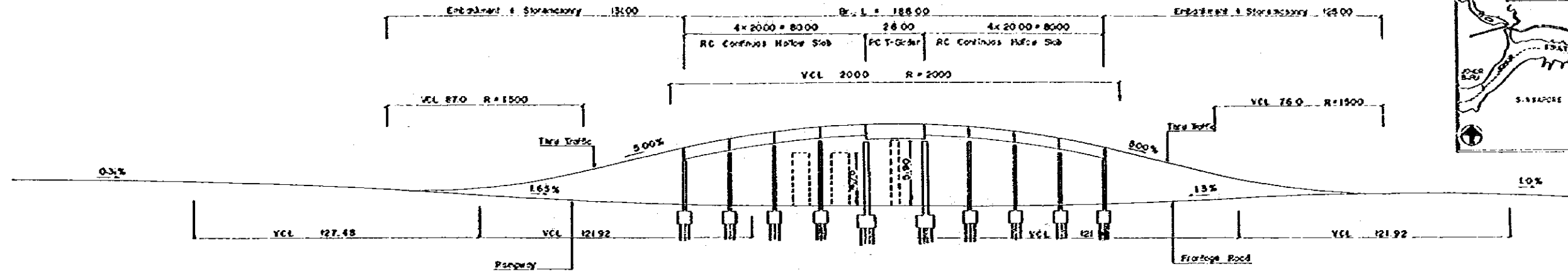
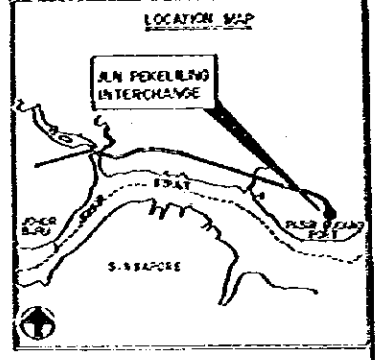


NORMAL SECTION



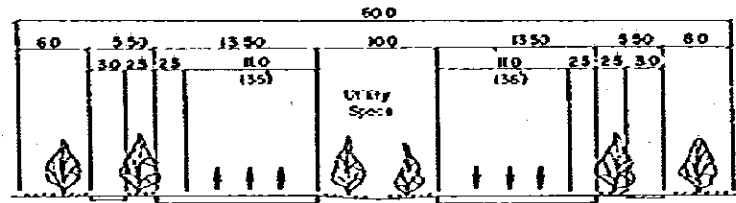
PROJECT	DRAWING TITLE	SCALE	TOTAL SHEET
SOUTHERN LINK ROAD	J. EMAS INTERCHANGE (S.E.D.C)		24

SOUTHERN LINK PROFILE SCALE H:1:1000
V:1:200



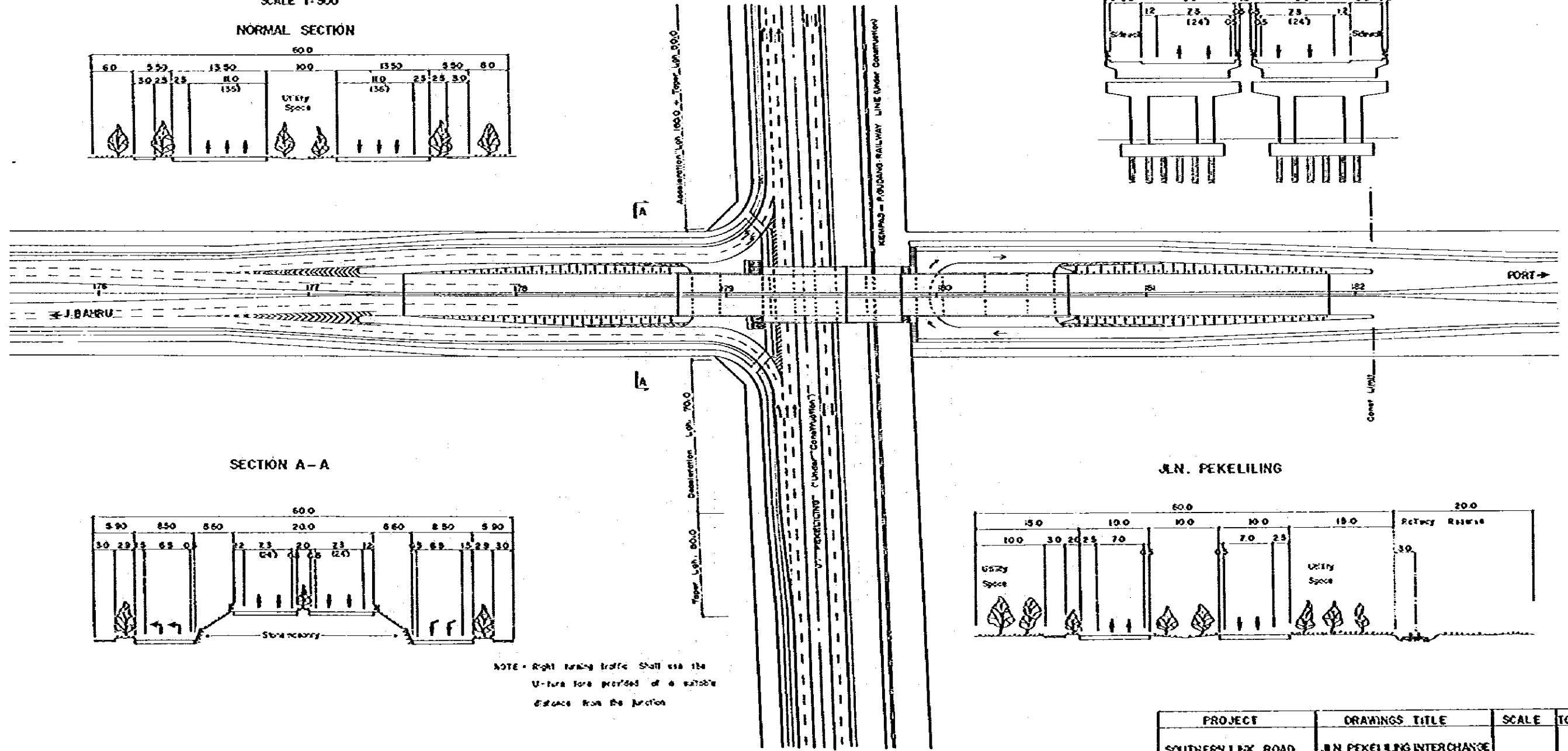
SCALE 1:300

NORMAL SECTION

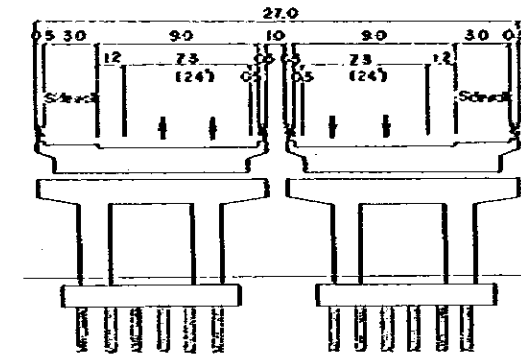


PLAN

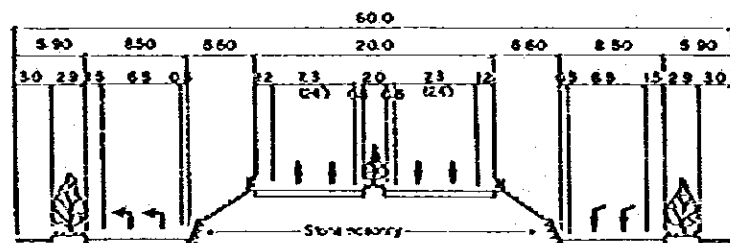
SCALE 1:1000



SCALE 1:200

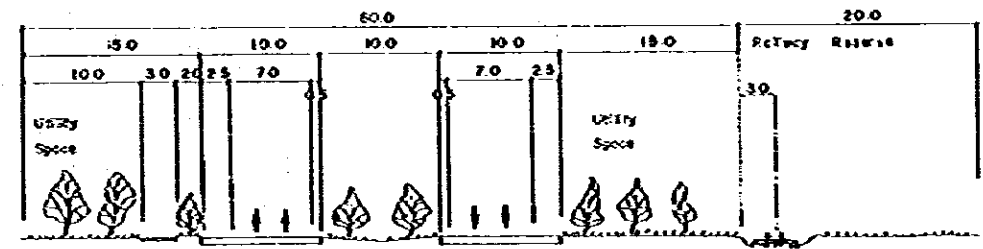


SECTION A-A



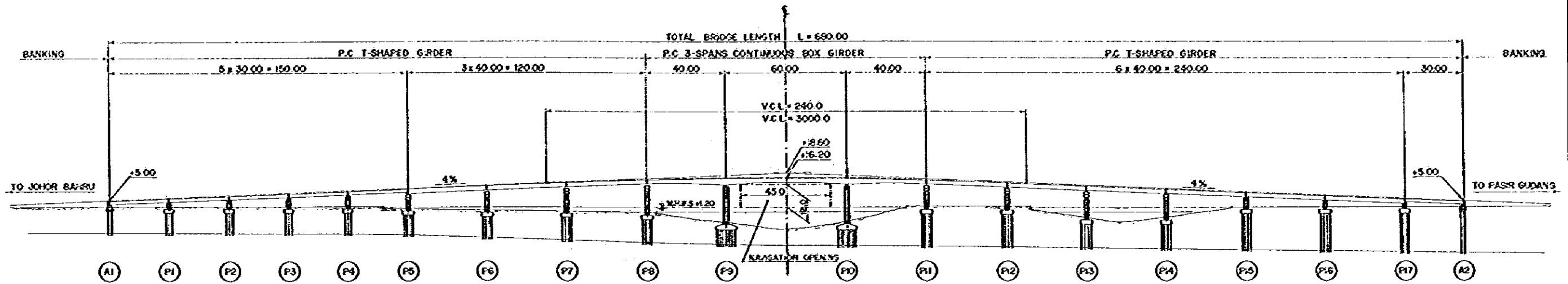
NOTE - Right turning traffic shall use the U-turn lane provided at a suitable distance from the junction.

J.N. PEKELING

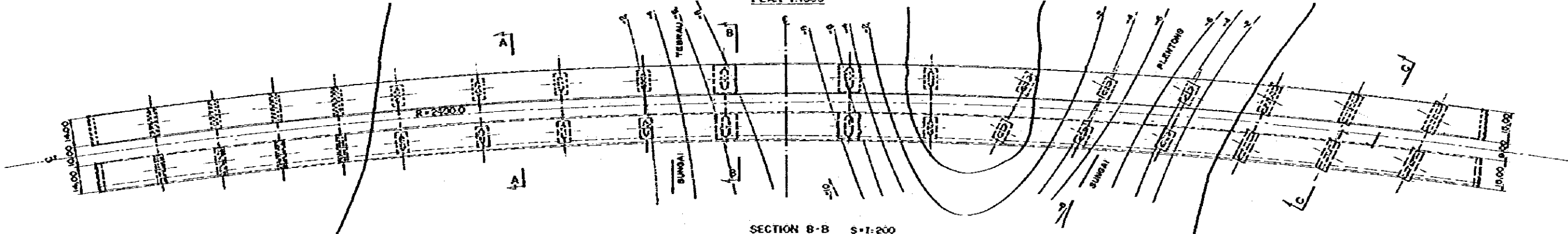


PROJECT	DRAWINGS TITLE	SCALE	TOTAL SHEETS
SOUTHERN LINK ROAD	J.N. PEKELING INTERCHANGE (S.E.D.C)		25

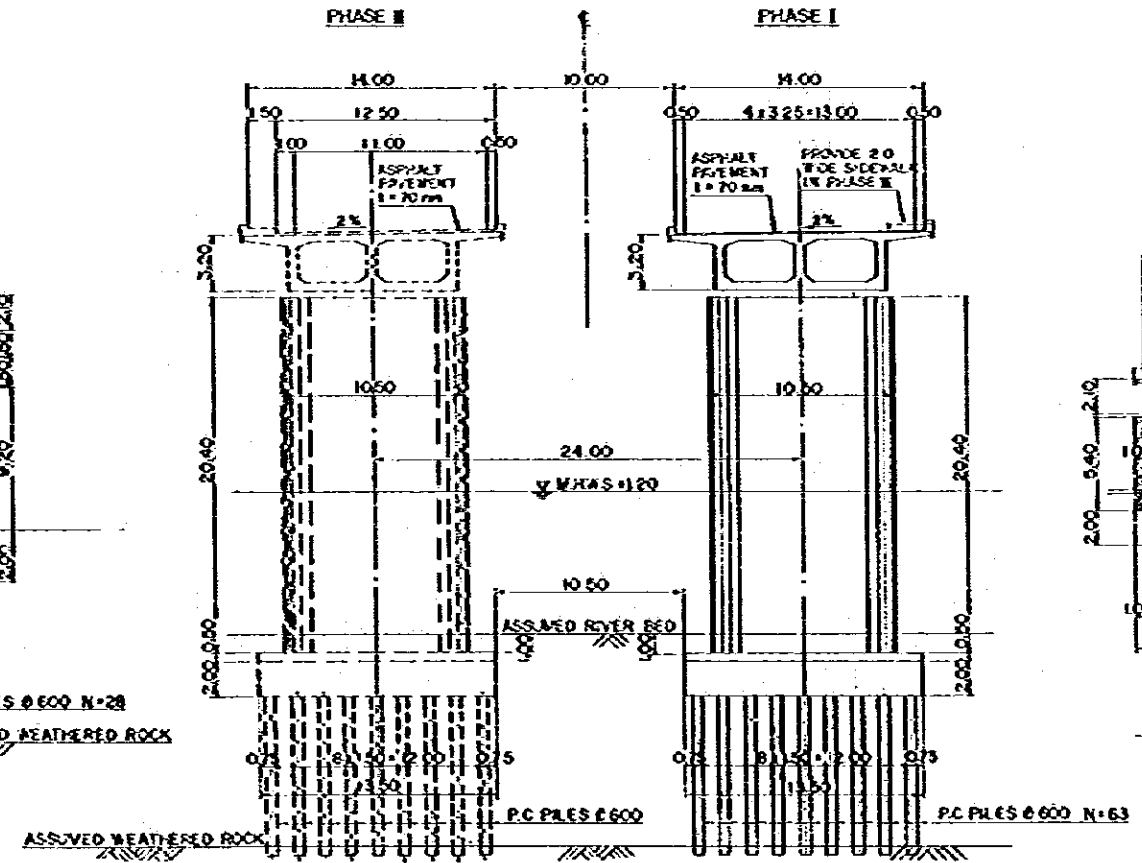
GENERAL VIEW 1:1000



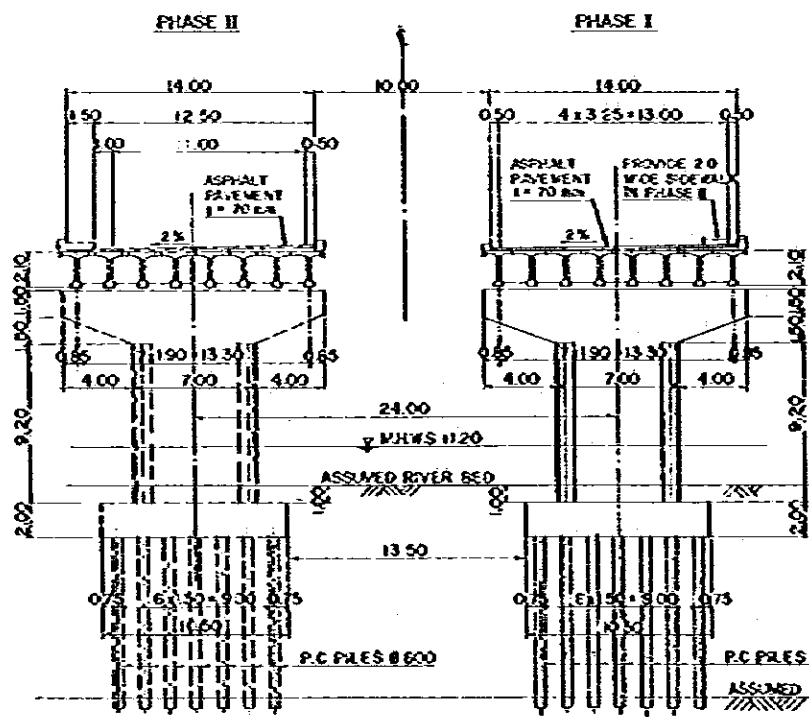
PLAN 1:1000



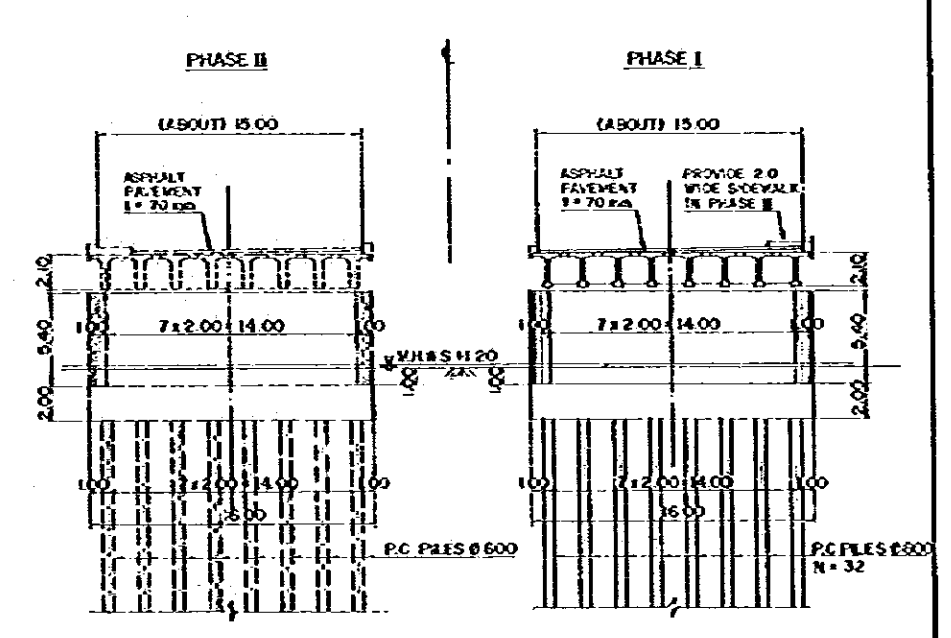
SECTION B-B S=1:200



SECTION A-A

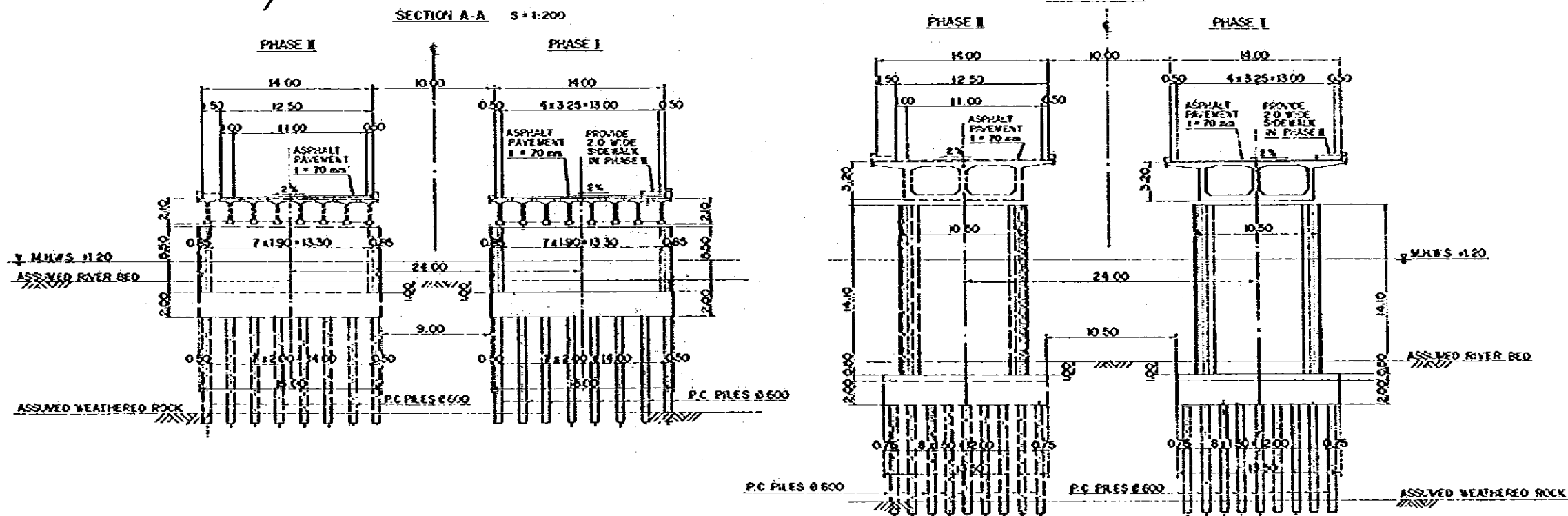
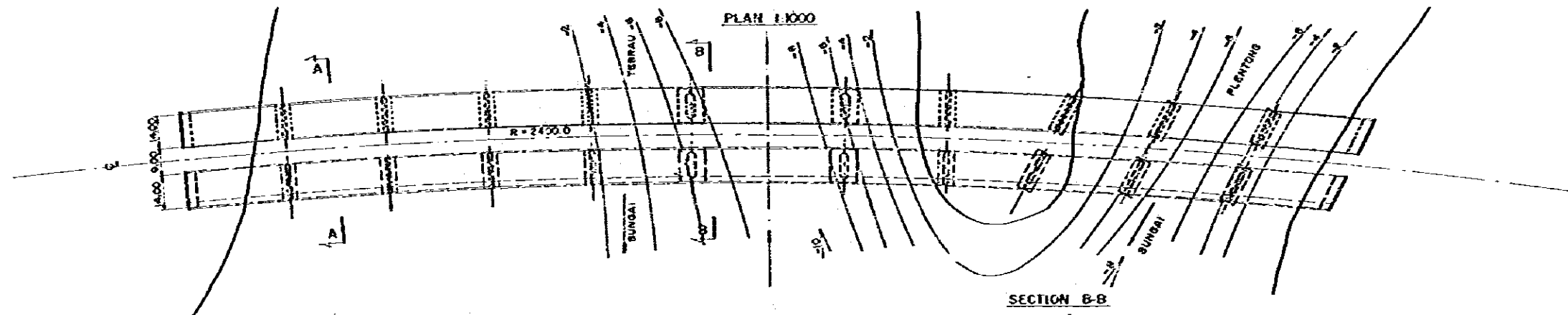
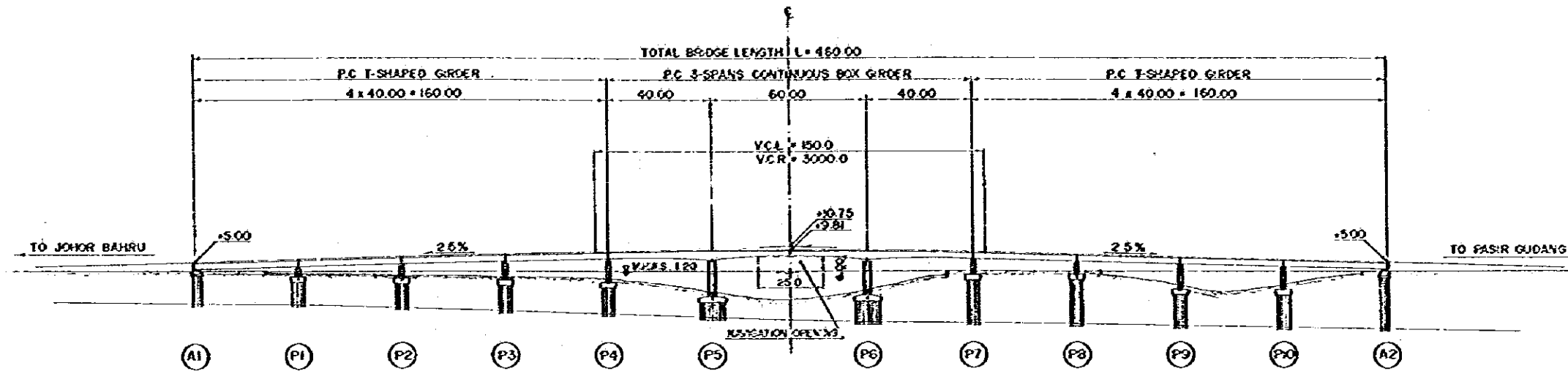


SECTION C-C



PROJECT	DRAWING TITLE	SCALE	TOTAL SHEET
J.B-P.G SOUTHERN LINK ROAD	TEBRAU RIVER BRIDGE GENERAL VIEW		26

GENERAL VIEW 1:1000



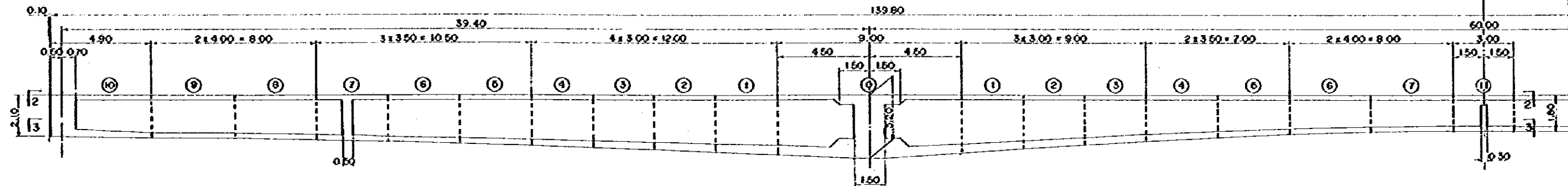
PROJECT	DRAWING TITLE	SCALE	TOTAL SHEET
JB-PG SOUTHERN LAK ROAD	TEBRAU RIVER BRIDGE GENERAL VIEW (Alternative Plan)		27

MAIN GIRDER S = 1:100

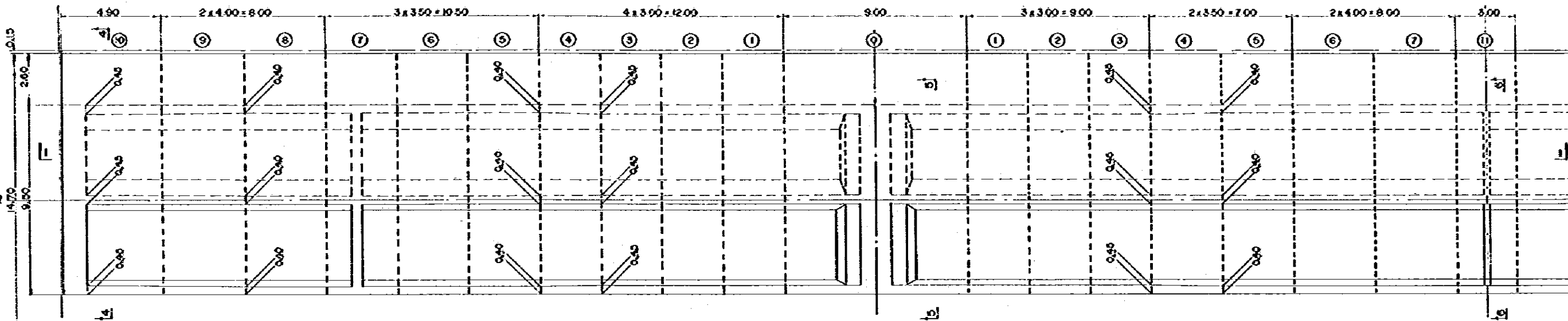
SIDE SPAN

SEC. 1-1

MAIN SPAN



SEC. 2-2
SEC. 3-3

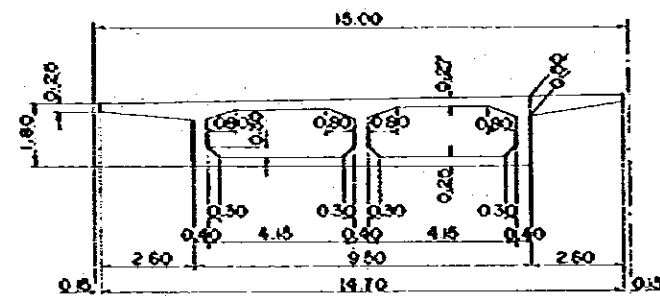
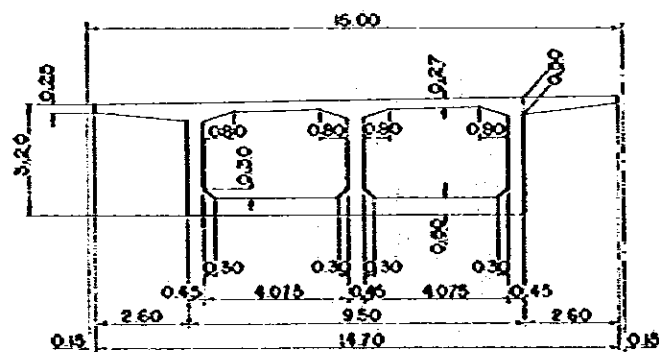
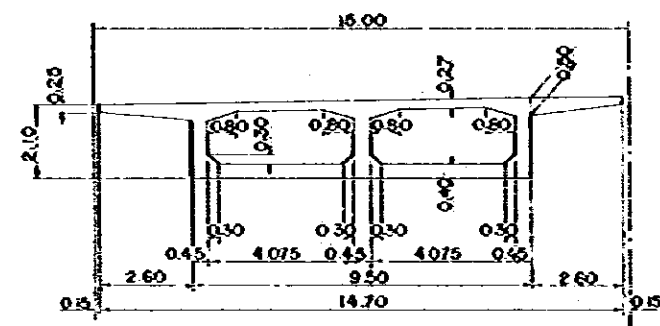


(M)	THICKNESS OF LOWER WEB SLAB	THICKNESS OF UPPER SLAB	HEIGHT OF WEB
-0.40	0.40	0.27	2.100
-0.283	0.41	0.27	2.118
-0.25	0.40	0.27	2.165
-0.25	0.40	0.27	2.237
-0.25	0.40	0.27	2.332
-0.25	0.40	0.27	2.420
-0.356	0.40	0.27	2.543
-0.334	0.40	0.27	2.650
-0.373	0.45	0.27	2.776
-0.412	0.45	0.27	2.902
-0.461	0.45	0.27	3.033
-0.50	0.45	0.00	3.200
-0.463	0.45	0.27	2.920
-0.415	0.45	0.27	2.754
-0.377	0.45	0.27	2.600
-0.339	0.45	0.27	2.315
-0.294	0.40	0.27	2.128
-0.25	0.40	0.27	1.978
-0.25	0.40	0.27	1.861
-0.25	0.40	0.27	1.800
-0.25	0.40	0.27	1.800

SEC. 4-4

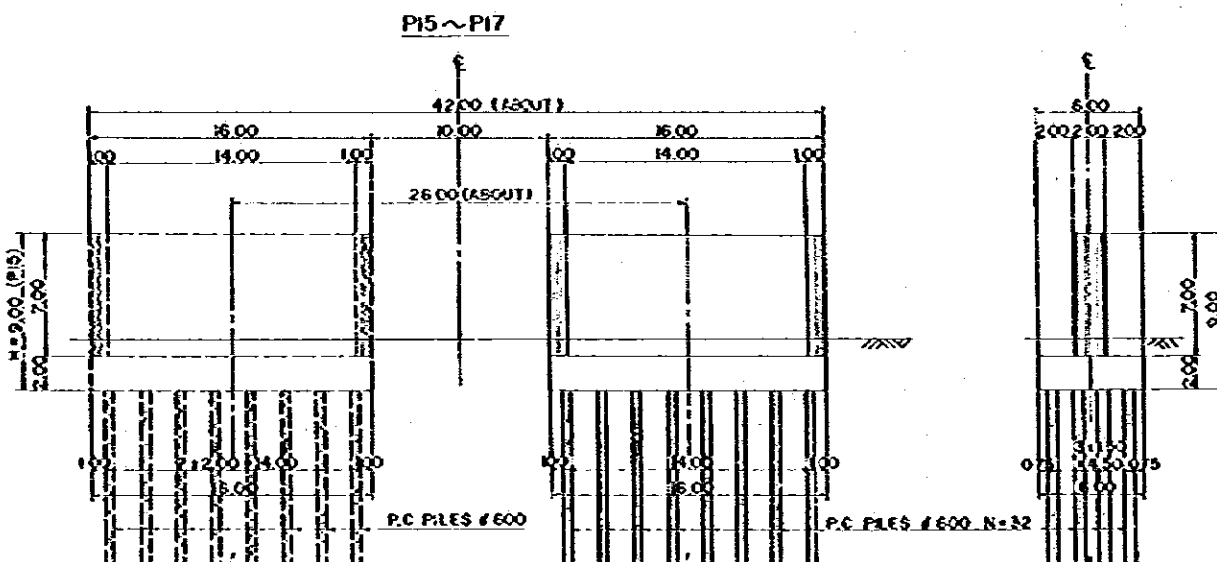
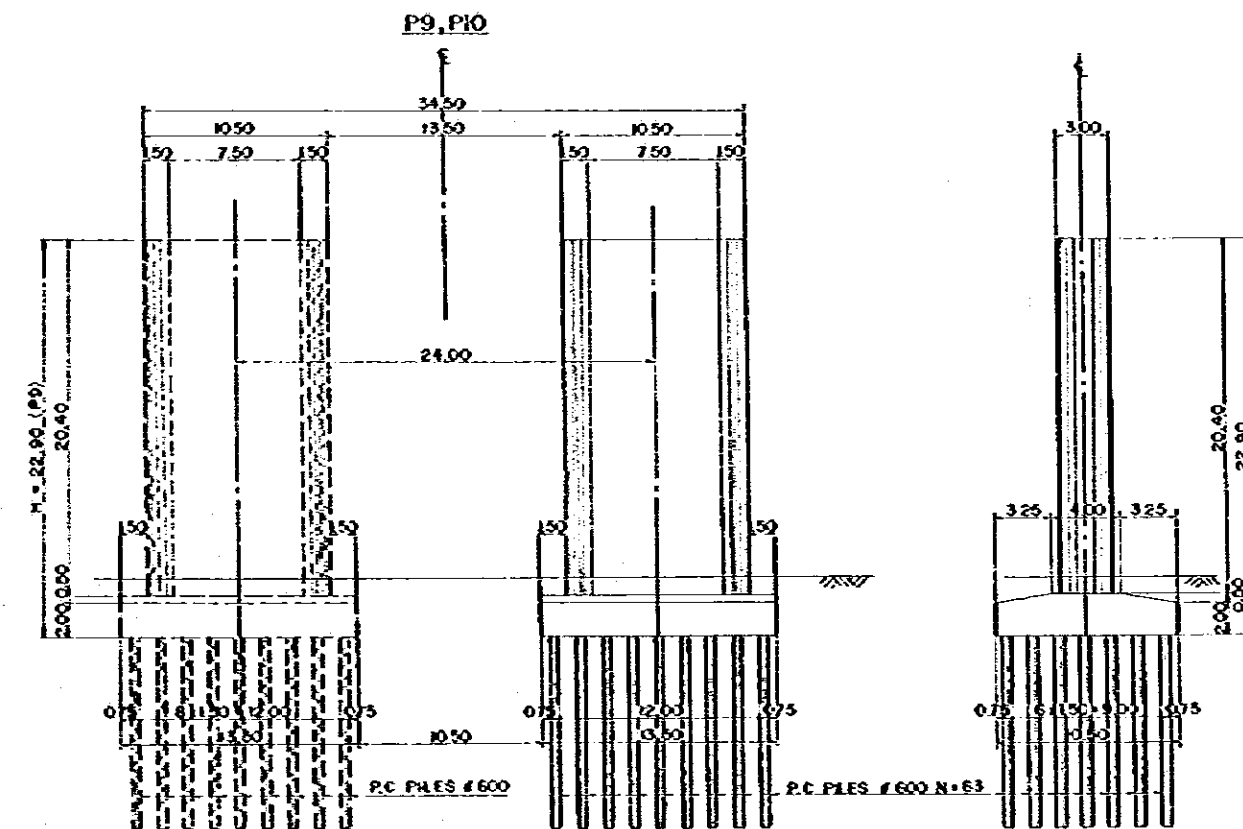
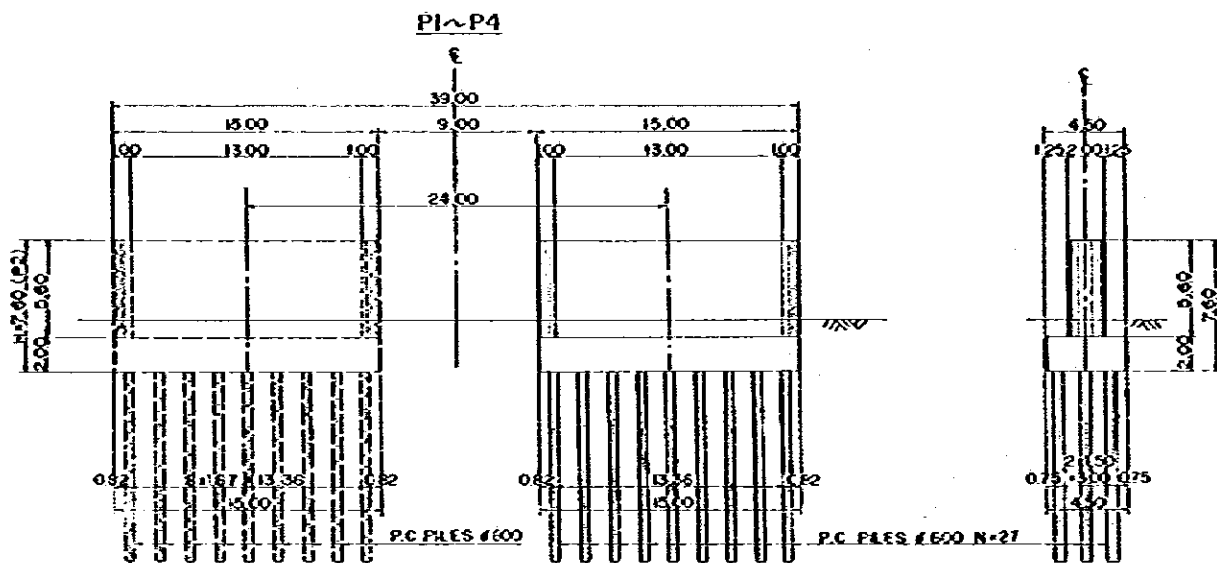
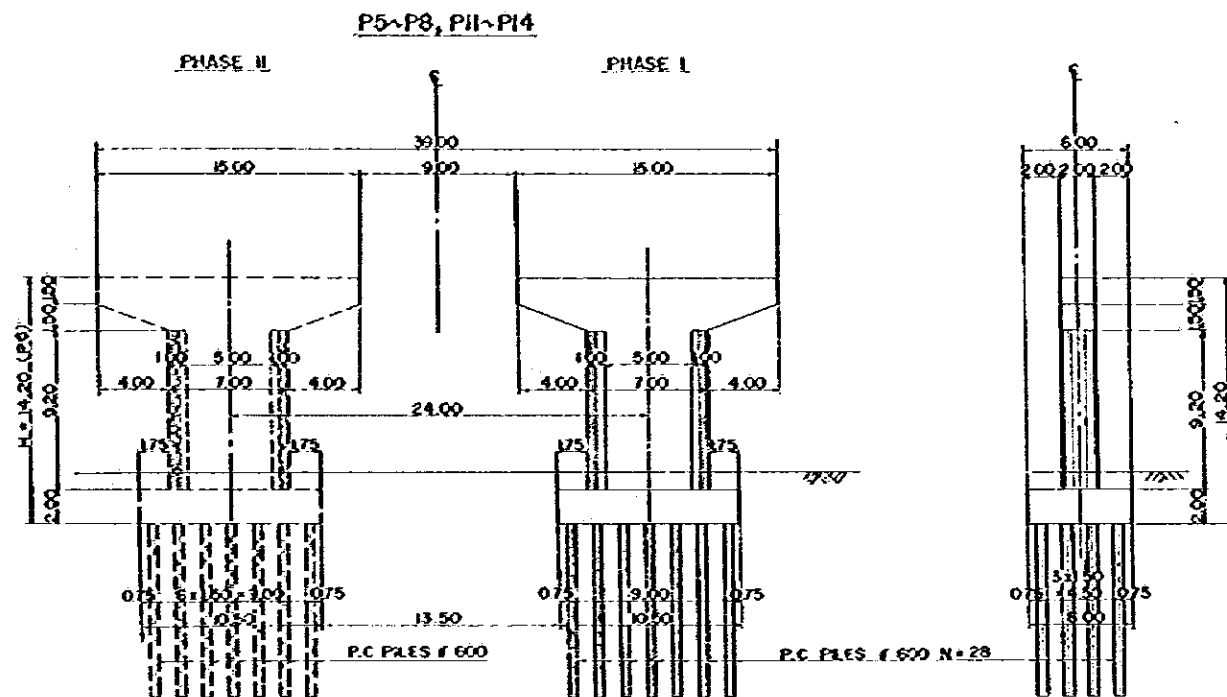
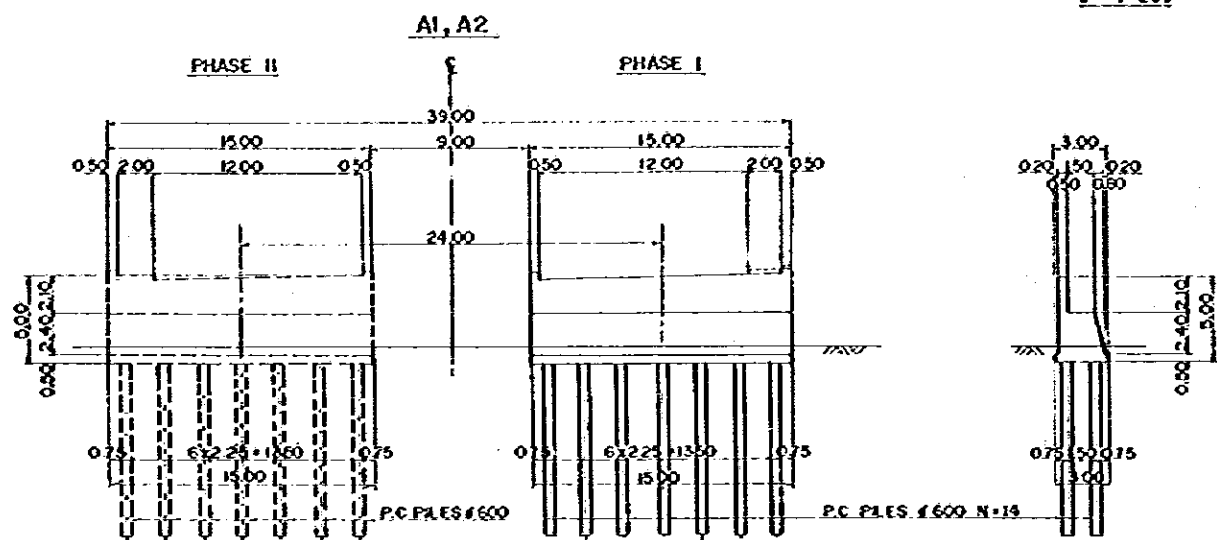
SEC. 5-5

SEC. 6-6



PROJECT	DRAWING TITLE	SCALE	TOTAL SHEET
J.B - P.G SOUTHERN LINK ROAD	TERRAU RIVER BRIDGE SUPERSTRUCTURE 2/4		28

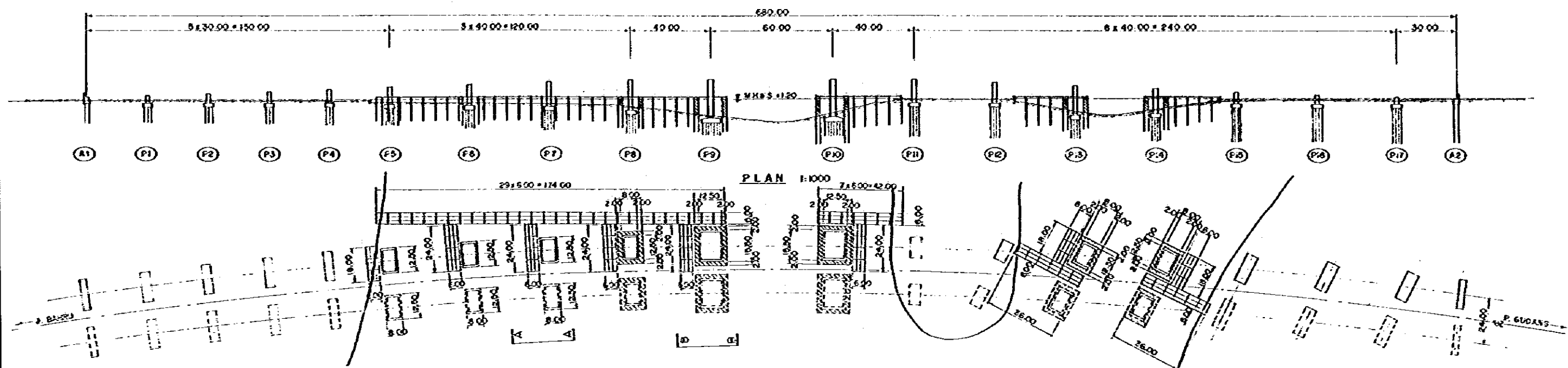
S = 1:200



NOTE
THE ABOVE CASE IS FOR HIGH NAVIGATION CLEARANCE SHOWN IN SHEET 26

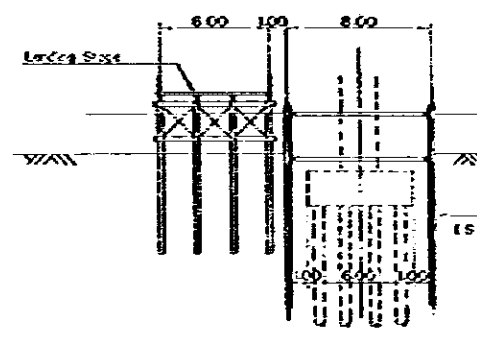
PROJECT	DRAWING TITLE	SCALE	TOTAL SHEET
J8-P6 SOUTHERN LINK ROAD	TEBRAU RIVER BRIDGE SUBSTRUCTURE		29

GENERAL VIEW OF TEMPORARY LANDING STAGE & COFFER DAMS 1:1000

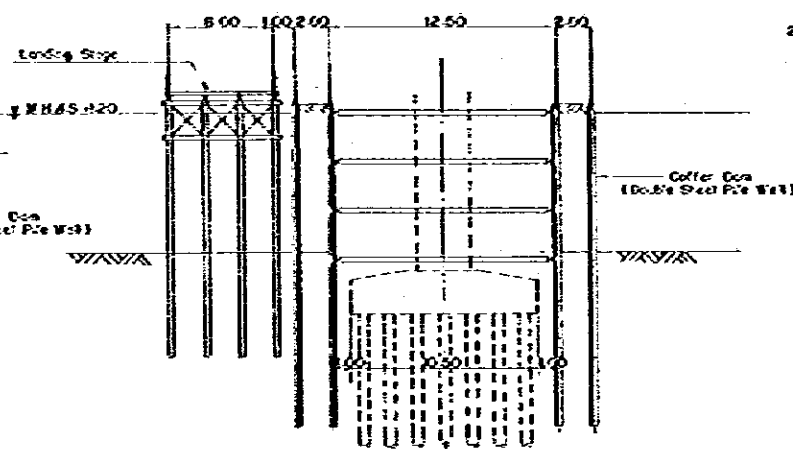


PLAN 1:1000

SEC. A-A 1:200



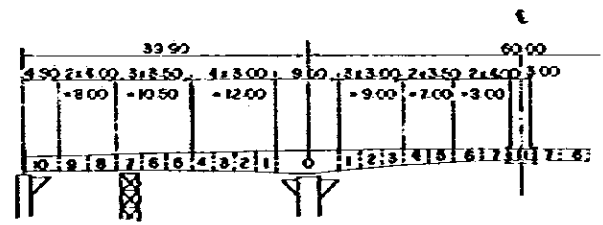
SEC. B-B 1:200



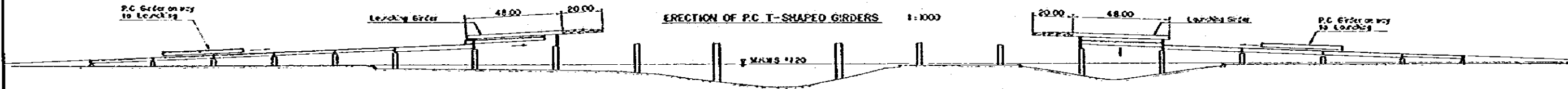
NOTES

1. Landing Stage for Phase II (Not Shown) is similar to that shown for Phase I.
2. Dimensions of Phase II Coffers Dams are identical to those of corresponding Phase I Coffers Dams.

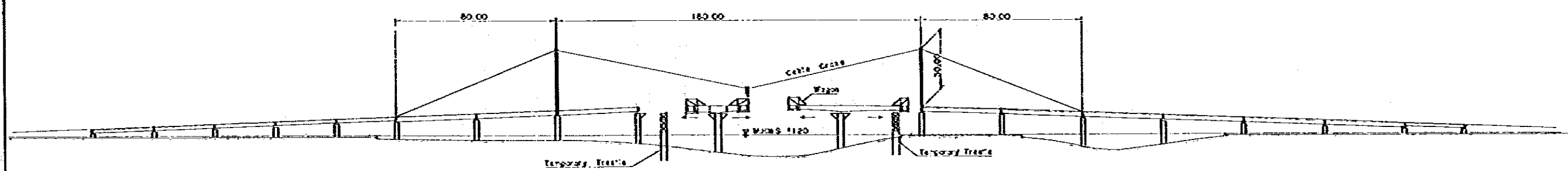
SEQUENCE OF ERECTION OF P.C BOX GIRDER UNITS



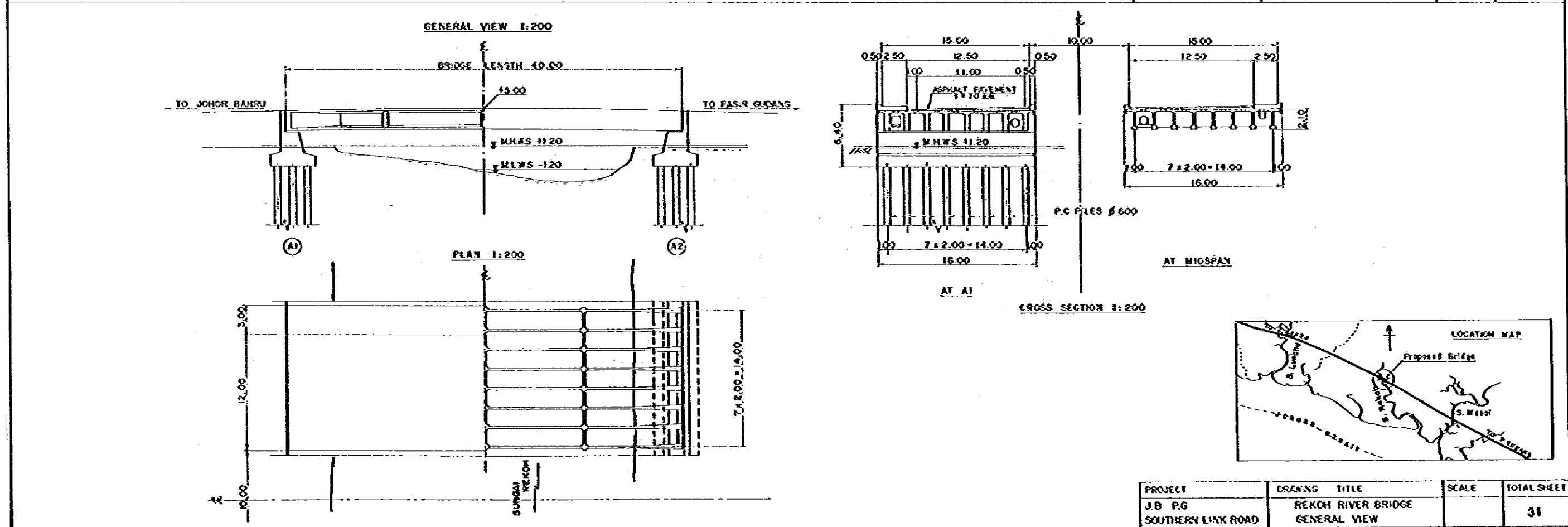
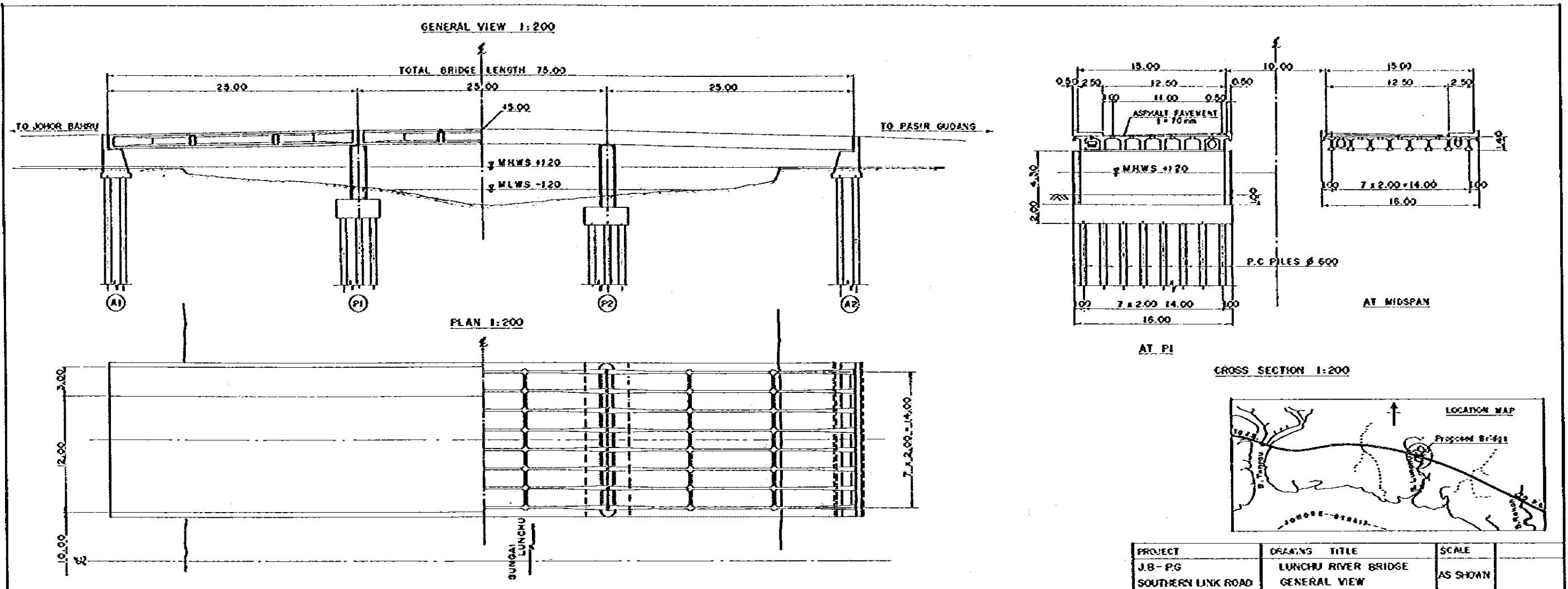
ERECTION OF P.C T-SHAPED GIRDERS 1:1000



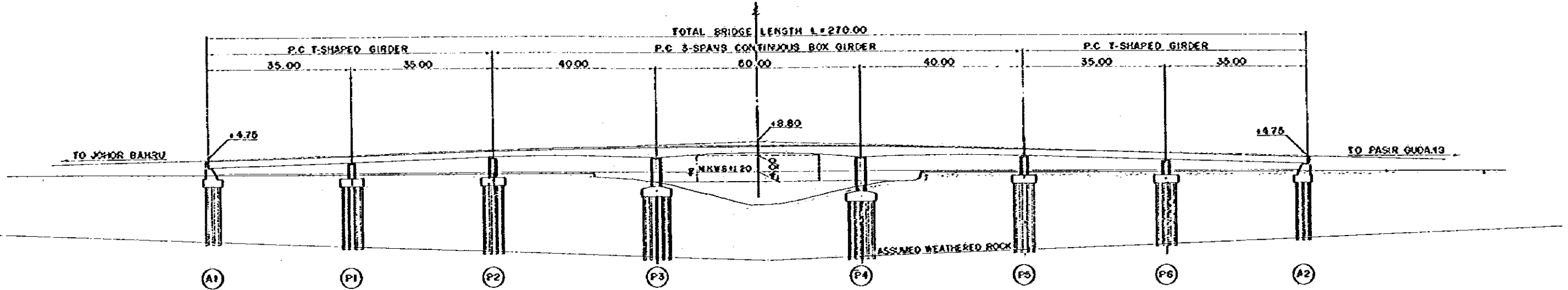
ERECTION OF P.C 3-SPANS CONTINUOUS BOX GIRDERS 1:1000



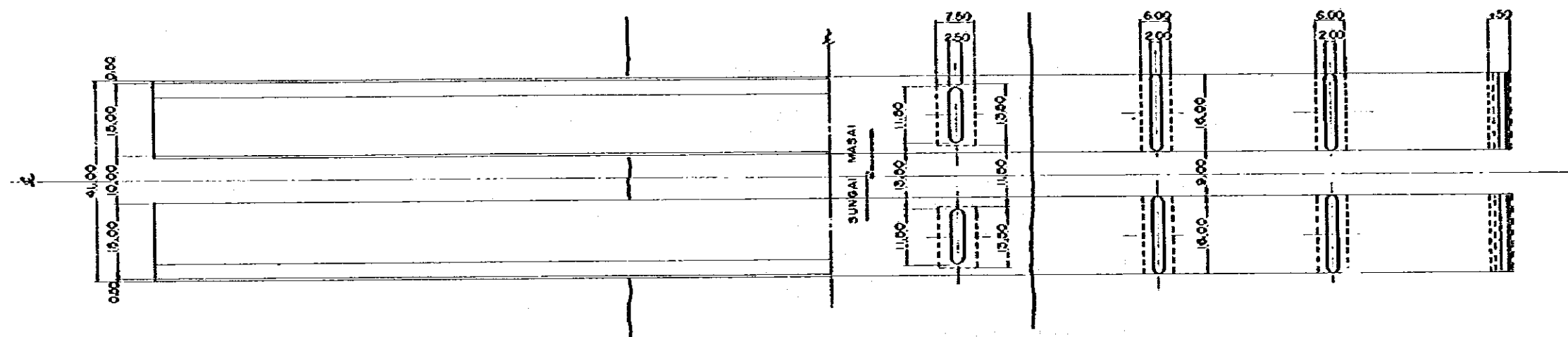
PROJECT	DRAWING TITLE	SCALE	TOTAL SHEET
J.B-PG SOUTHERN LINK ROAD	TEBRAU RIVER BRIDGE METHOD OF CONSTRUCTION 4/4		30



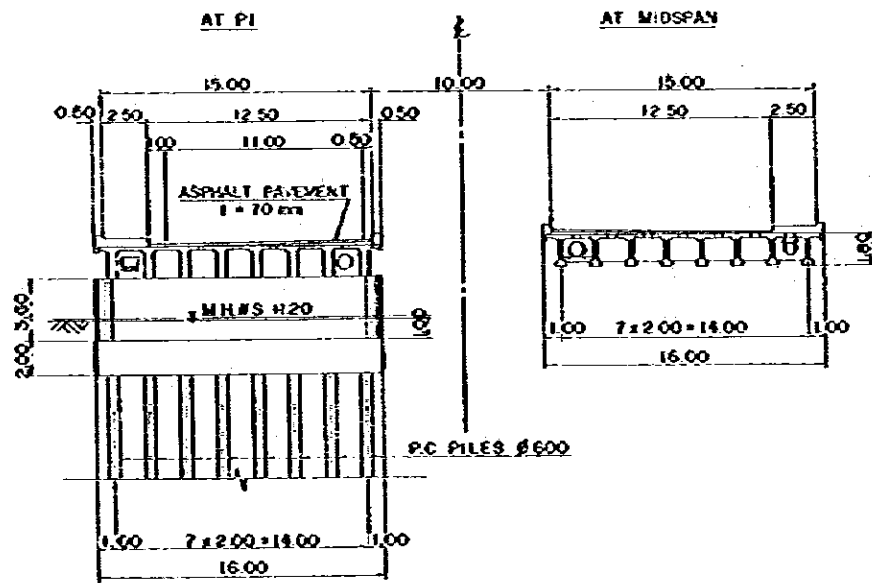
GENERAL VIEW 1:500



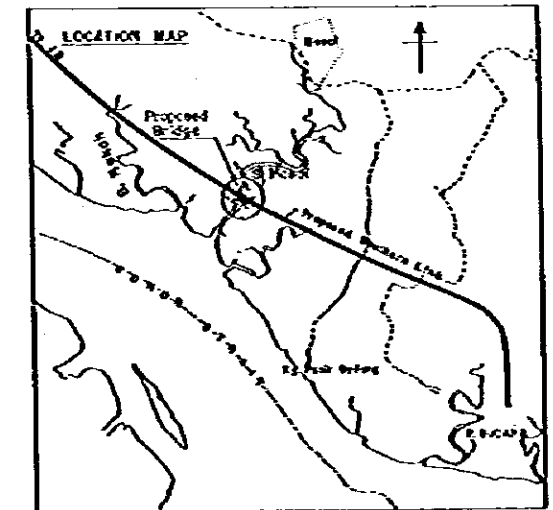
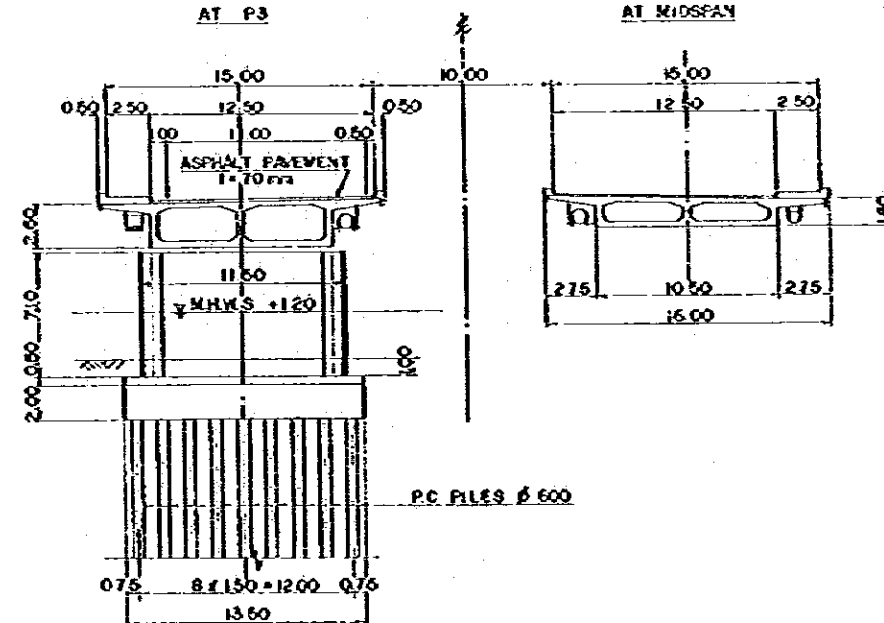
PLAN 1:500



CROSS SECTION 1:200

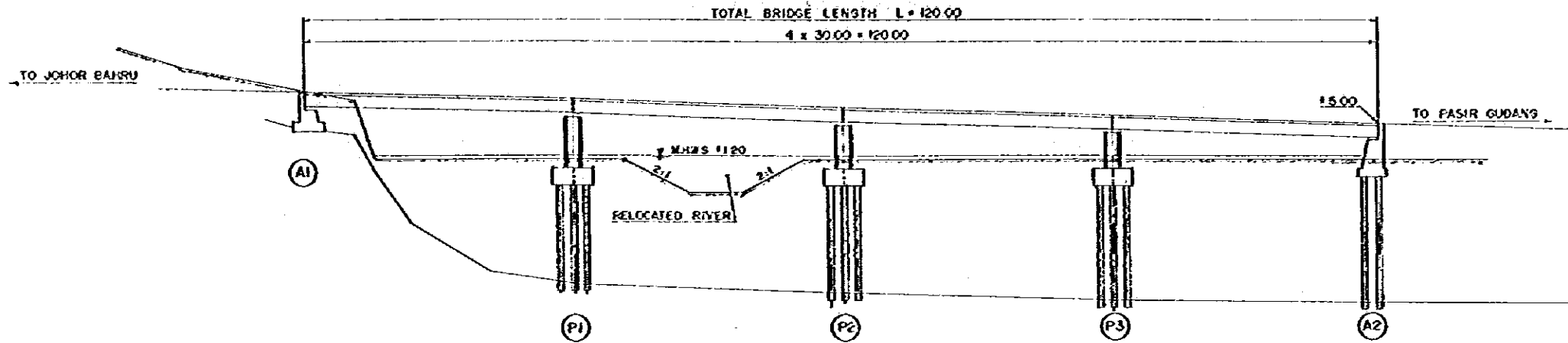


CROSS SECTION 1:200

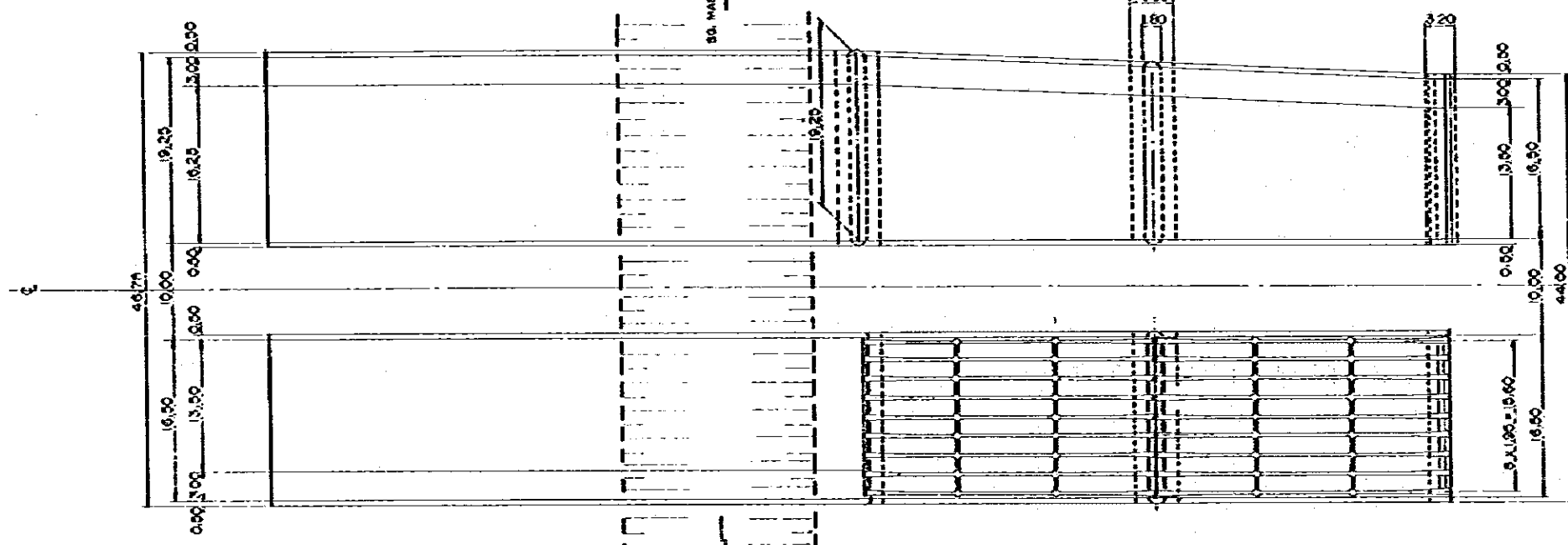


PROJECT	DRAWING TITLE	SCALE	TOTAL SHEET
J.B PG SOUTHERN LINK ROAD	MASAI RIVER BRIDGE GENERAL VIEW		32

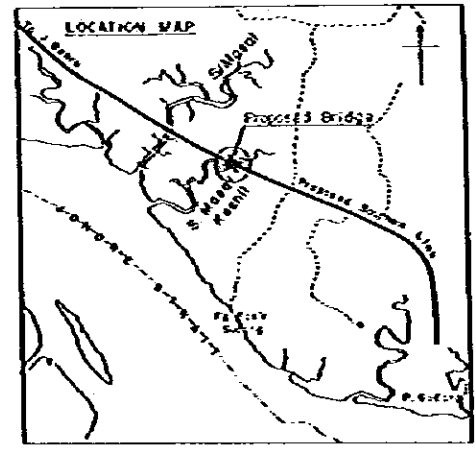
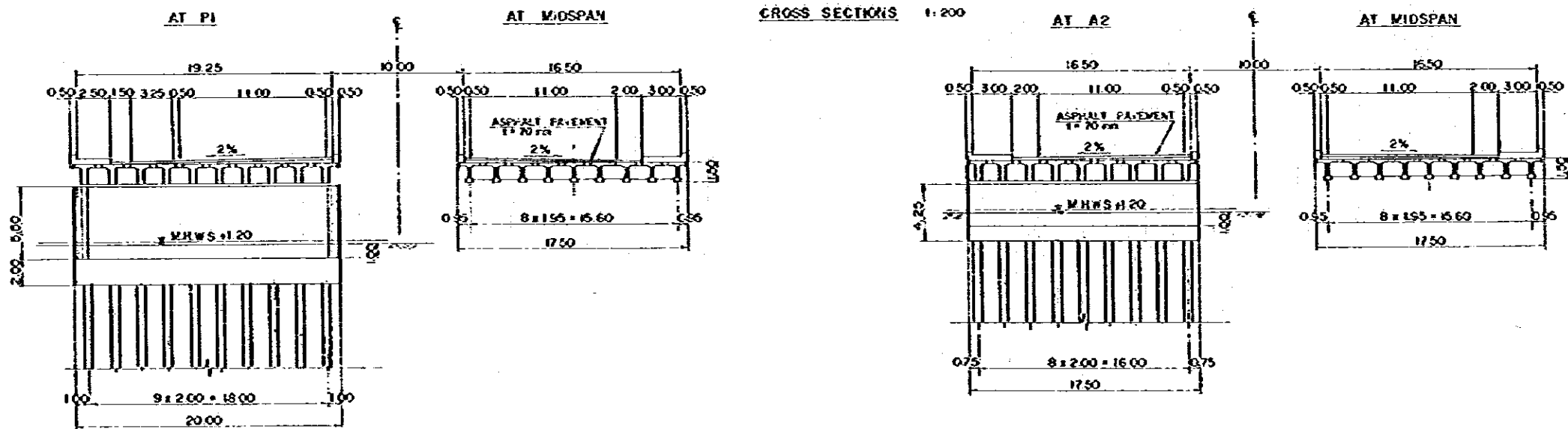
GENERAL VIEW 1:300



PLAN 1:300



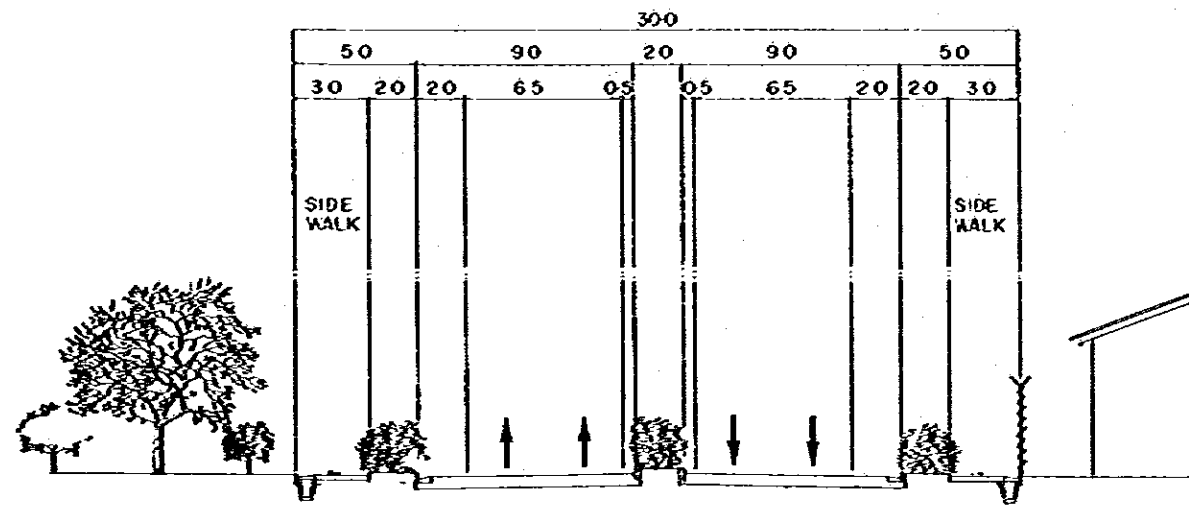
CROSS SECTIONS 1:200



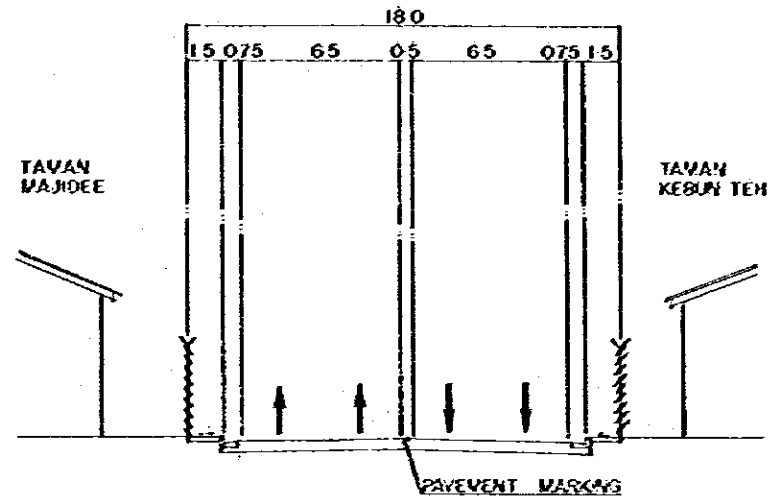
PROJECT	DRAWING TITLE	SCALE	TOTAL SHEET
J.B - P.6 SOUTHERN LINK ROAD	MASAI KECIL RIVER BRIDGE GENERAL VIEW		33

SOUTHERN LINK EXTENSION

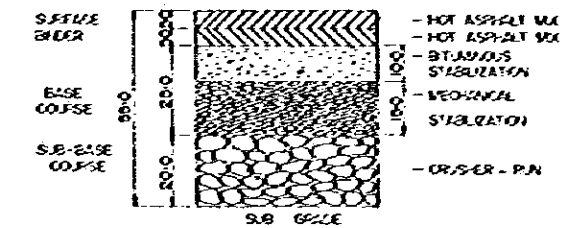
FINAL STAGE NORMAL SECTION



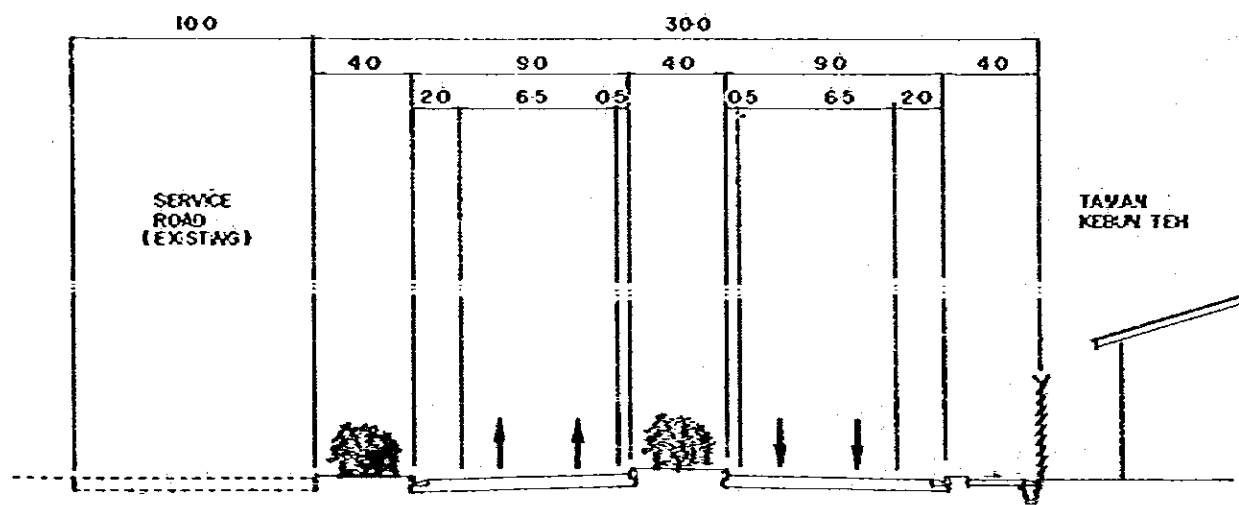
FIRST STAGE NORMAL SECTION



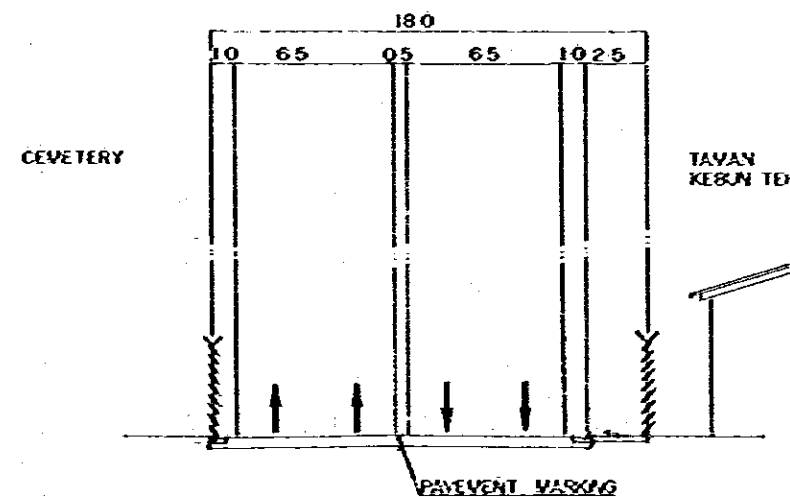
CARRIAGE WAY



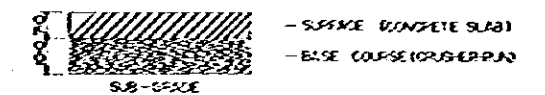
TAMAN KEBUN TEH SECTION



NEAR CEMETERY SECTION



SIDE-WALK

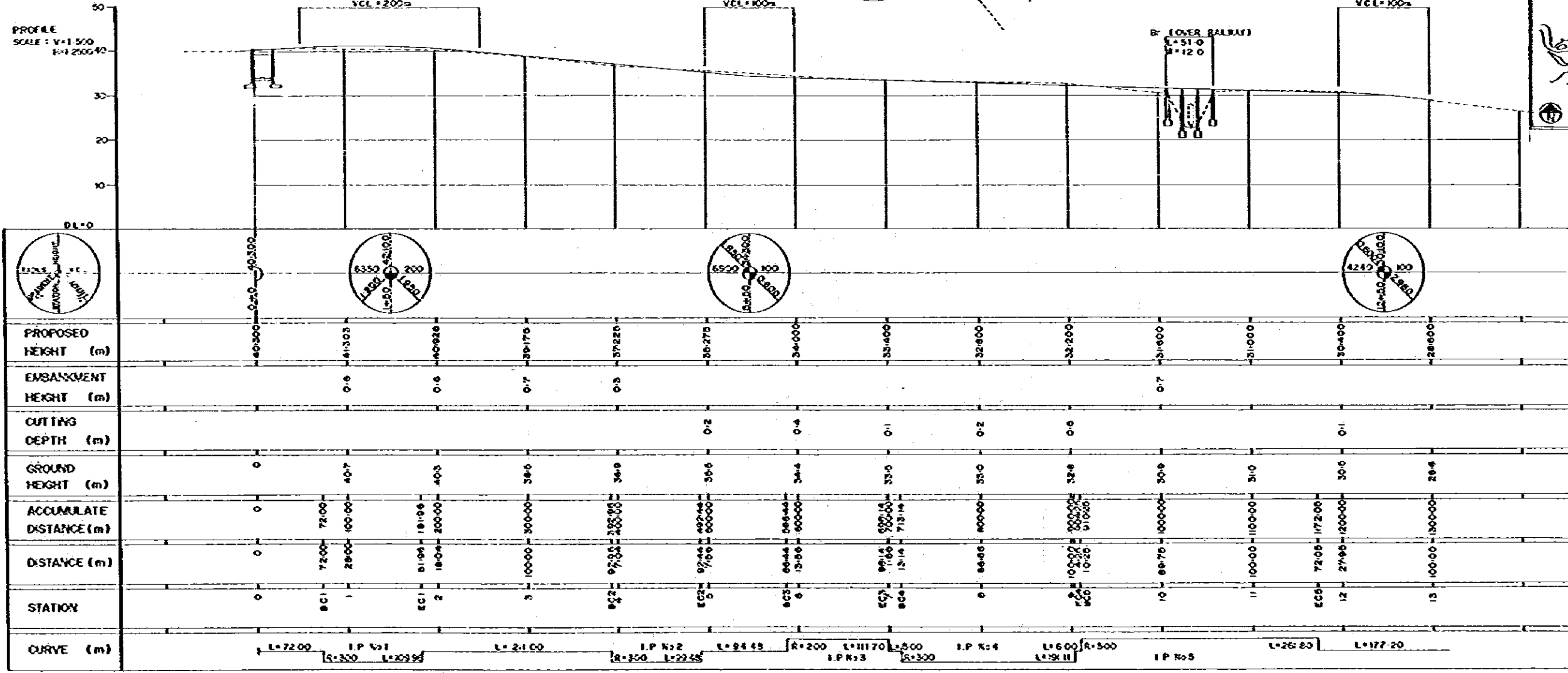
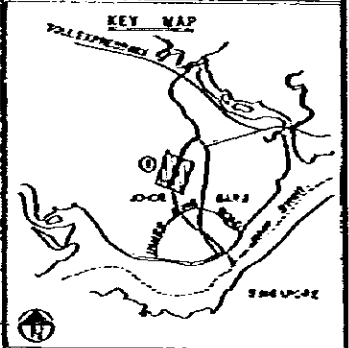
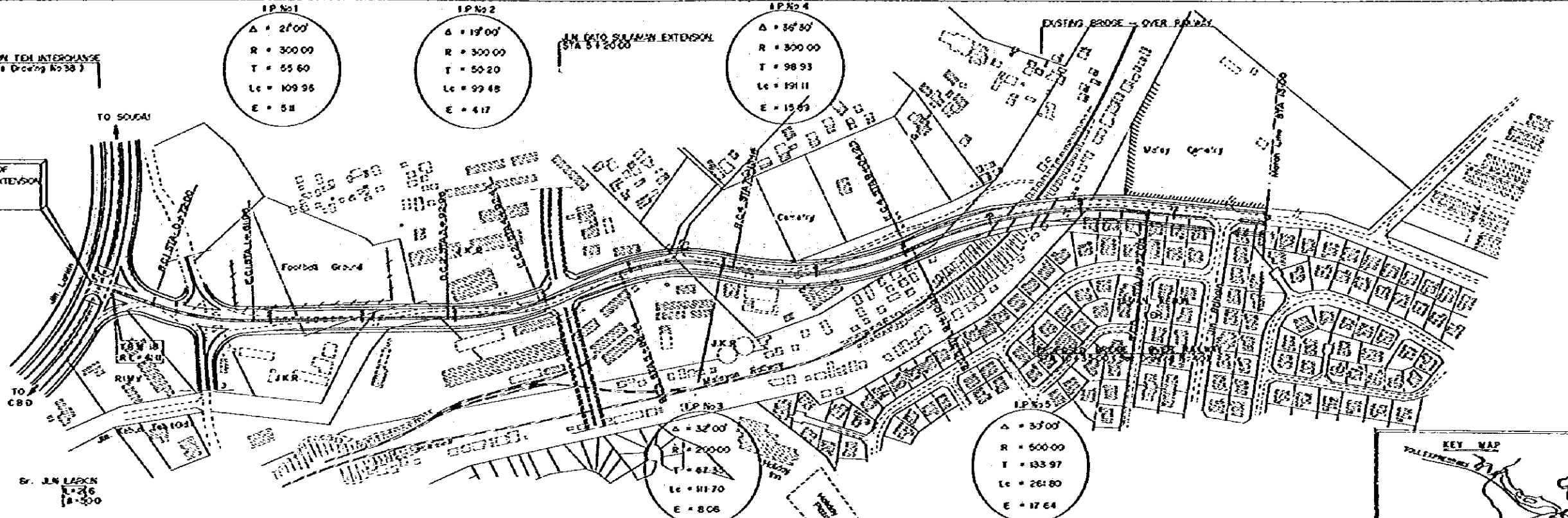


PROJECT	DRAWING TITLE	SCALE	TOTAL SHEET
SOUTHERN LINK EXTENSION	TYPICAL CROSS-SECTION		34

JLN LAROK, JLN KEBUN TEDI INTERCHANGE
STA 0+1000 (See Drawing No 38)

PLAN
SCALE 1:2500

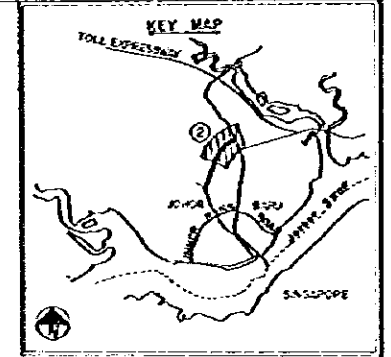
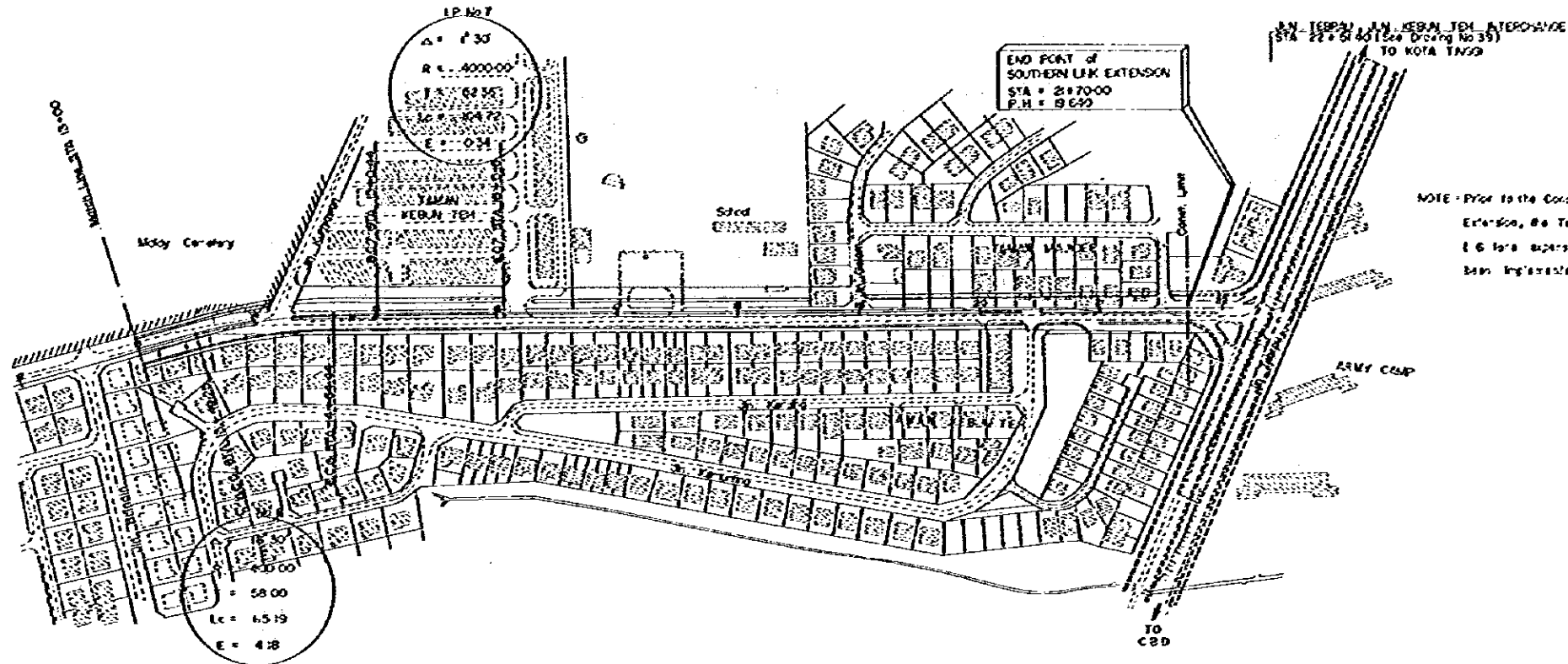
STARTING POINT OF
SOUTHERN LNK EXTENSION
STA 0+000
P.H. = 42.300



PROPOSED HEIGHT (m)	EMBAKMENT HEIGHT (m)	CUTTING DEPTH (m)	GROUND HEIGHT (m)	ACCUMULATE DISTANCE (m)	DISTANCE (m)	STATION	CURVE (m)
40.300			0	0	0	0	L=72.00
41.031	0.6		4.07	78.00	78.00	BC1	IP No 1 R=300 L=202.95
40.828	0.6		4.03	180.04	180.04	EC1	L=21.00
39.179	0.7		3.86	300.00	300.00	3	L=24.45
37.820	0.5		3.89	492.48	492.48	EC2	IP No 2 R=300 L=22.45
35.275		0.2	3.56	600.00	600.00	EC3	R=200 L=111.70
34.000		0.4	3.44	688.44	688.44	EC4	L=5.00
33.400		0.1	3.30	786.14	786.14	EC5	IP No 3 R=300
32.800		0.2	3.10	900.00	900.00	6	IP No 4 L=6.00 R=500
32.200		0.6	3.28	1000.00	1000.00	EC6	L=177.20
31.600	0.7		3.09	1100.00	1100.00	10	
31.000			3.10	1172.00	1172.00	EC7	
30.400		0.1	3.06	1200.00	1200.00	12	
28.600			2.84	1300.00	1300.00	13	

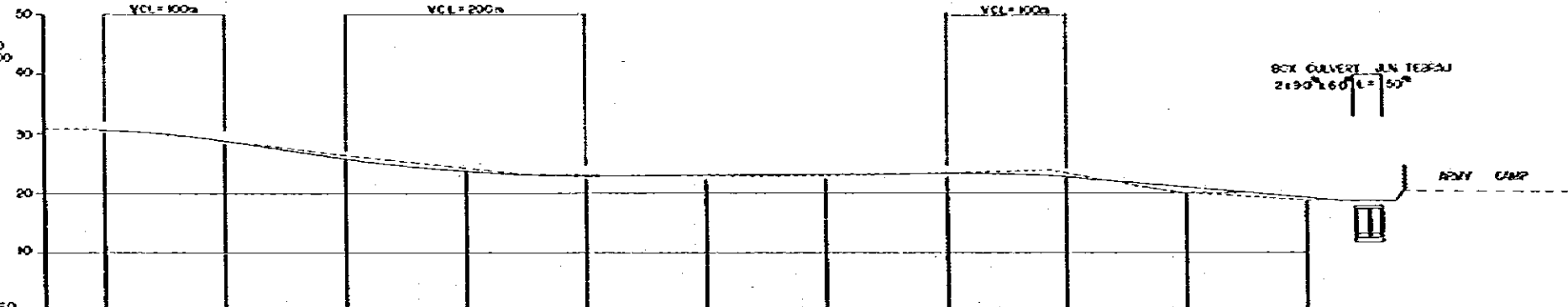
PROJECT SOUTHERN LNK EXTENSION	OPERATING TITLE PLAN & PROFILE	SCALE 1/2	TOTAL SHEET 35
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PLAN
SCALE 1:2500



NOTE: Prior to the construction of the Southern Link Extension, the Tebrau Widening Project (6 lane expansion) would have already been completed by JKR.

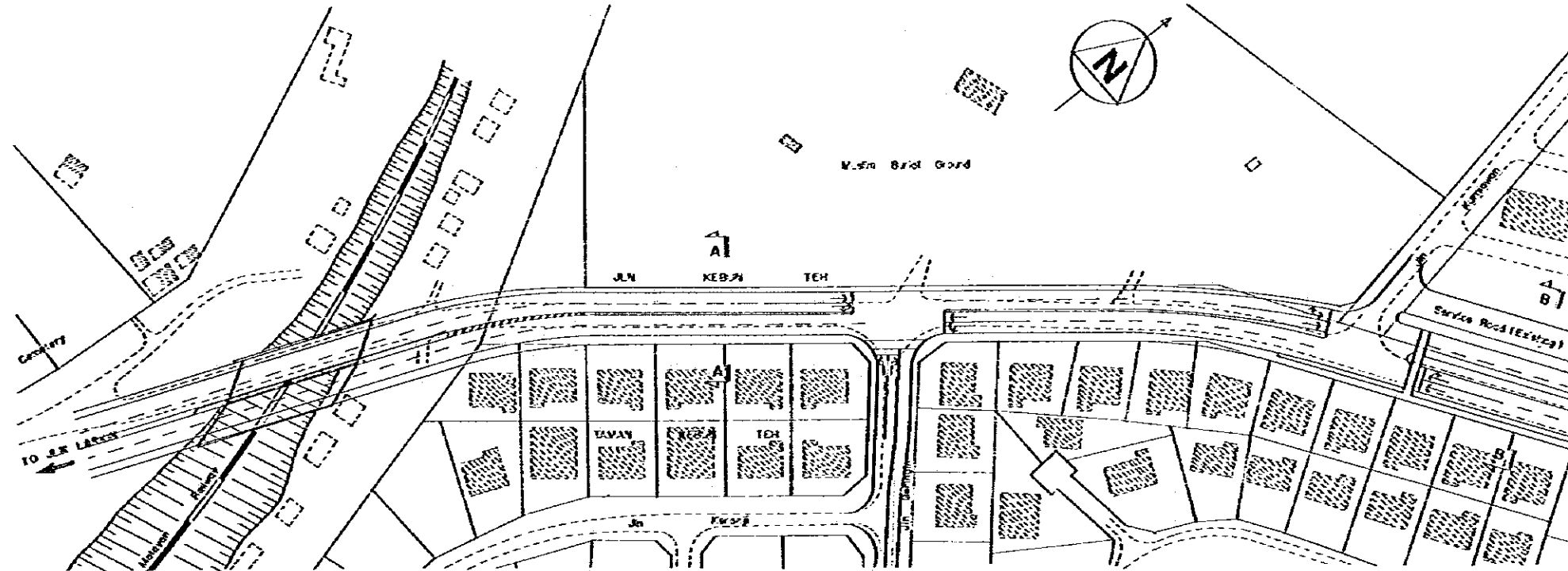
PROFILE
SCALE: V=1:500
H=1:2500



DL=0	12	13	13+25	14	14+44	15	16	17	18	19	20	21	22
PROPOSED HEIGHT (m)	30.400	29.820	29.640	29.480	29.300	29.100	28.900	28.700	28.500	28.300	28.100	27.900	27.700
EMBANKMENT HEIGHT (m)						0.1	0.3	0.2	1.1	0.7			
CUTTING DEPTH (m)	0.1		0.7	0.9	0.1								
GROUND HEIGHT (m)	30.5	29.6	29.4	29.4	29.0	29.0	29.0	29.0	29.0	29.0	28.5	28.5	28.4
ACCUMULATE DISTANCE (m)	12000	13000	1349.25	14000	149.44	150.55	16000	17000	18000	19000	20000	21000	22000
DISTANCE (m)	63.53	100.00	48.25	60.75	64.44	30.25	99.04	64.44	100.00	100.00	100.00	100.00	100.00
STATION	12	13	13+25	14	14+44	15	16	17	18	19	20	21	22
CURVE (m)	L=127.20 [R=400 L=1519] L=360 IP NO 7 [R=4000 L=1272] L=564.81 LP NO 6												

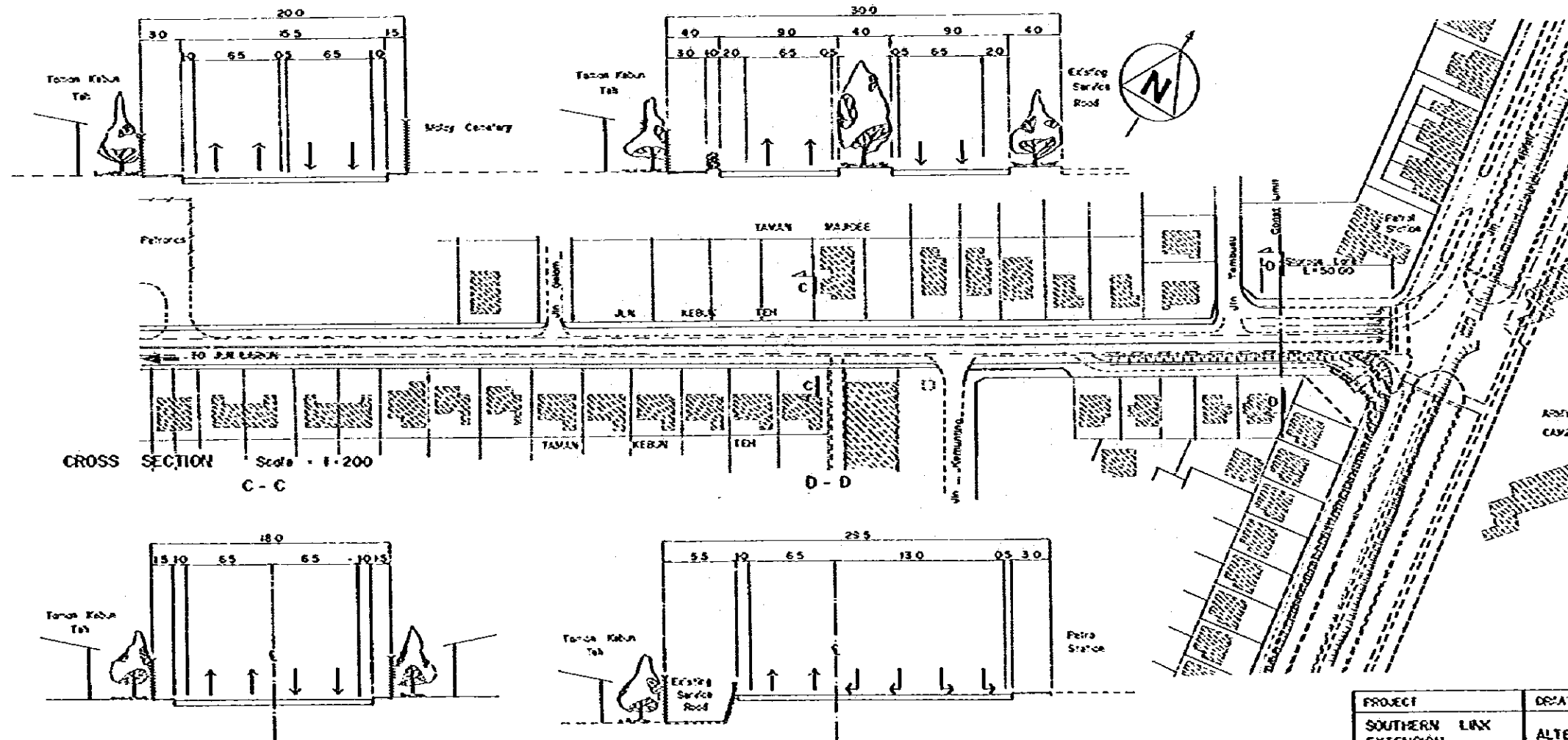
PROJECT	DRAWING TITLE	SCALE	TOTAL SHEET
SOUTHERN LINK EXTENSION	PLAN & PROFILE	2/2	36

PLAN Scale : 1:1000



CROSS SECTION Scale : 1:200
A-A

B-B



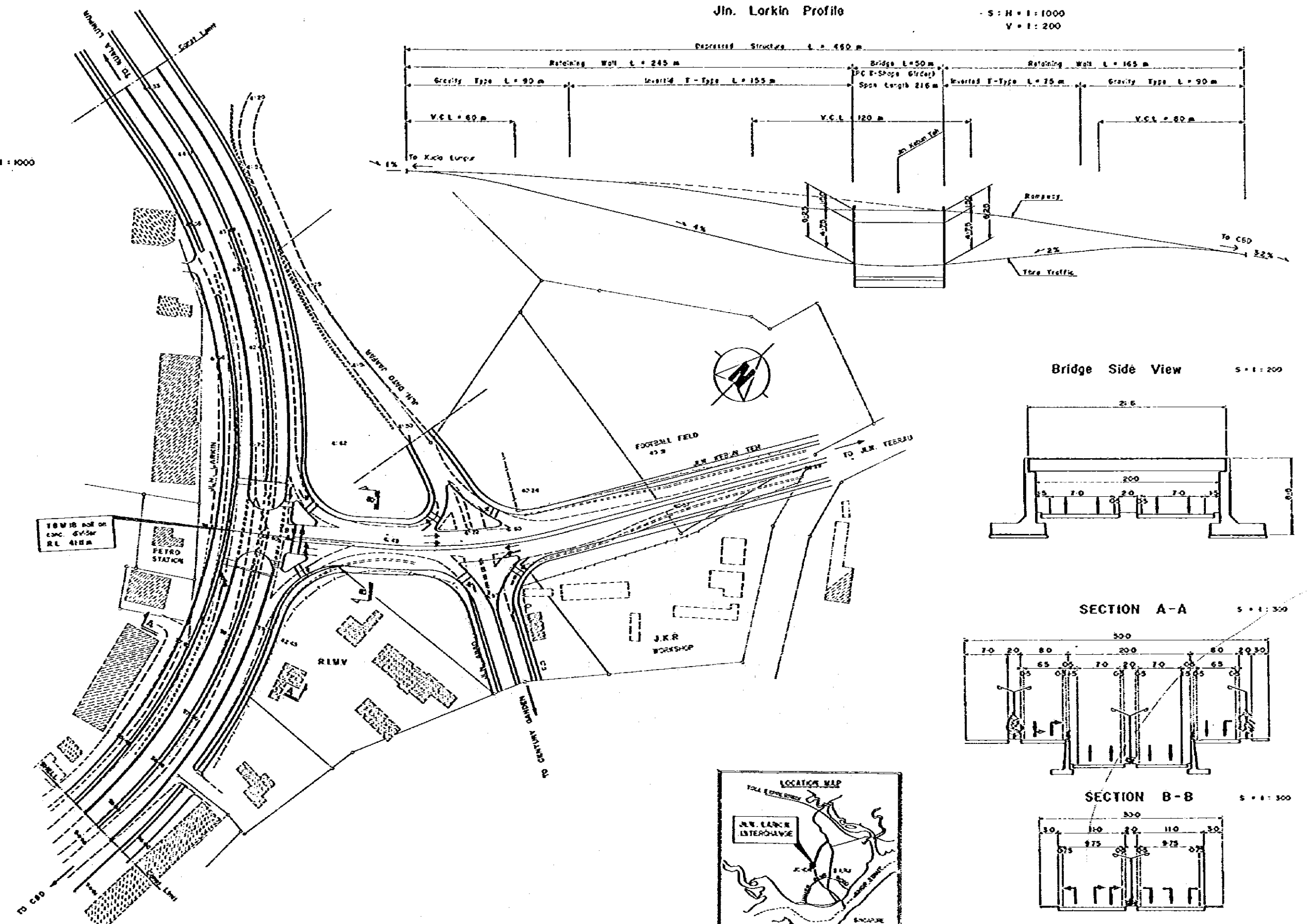
NOTE : Prior to the construction of the Southern Link Extension, the Petra Widening Project (6 Km expansion) would have already been indicated by JKR

PROJECT	DRAWING TITLE	SCALE	TOTAL SHEET
SOUTHERN LINK EXTENSION	ALTERNATIVE PLAN		37

Jln. Lorkin Profile

S : H = 1 : 1000
V : 1 : 200

Plan S : 1 : 1000



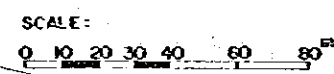
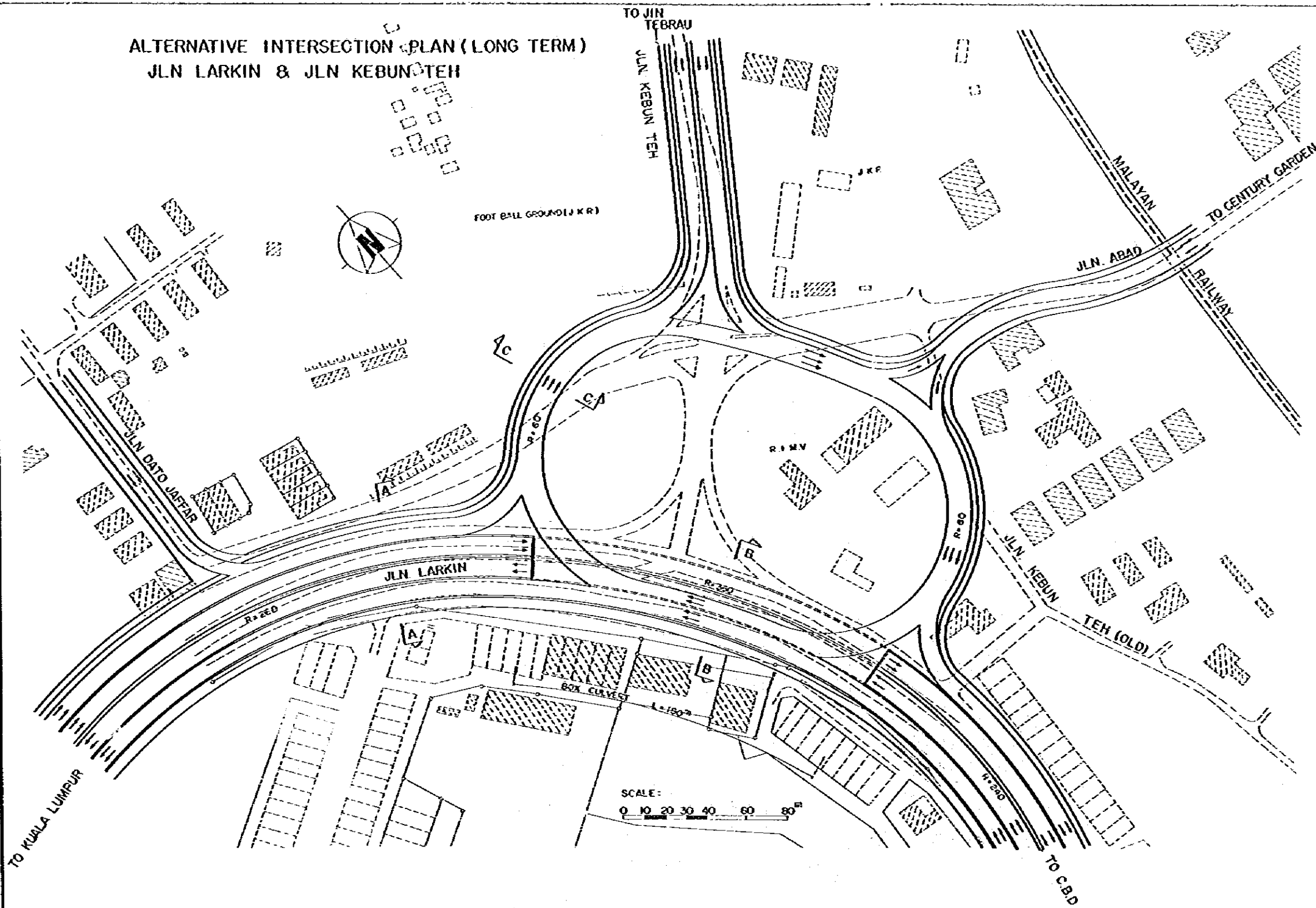
Bridge Side View S : 1 : 200

SECTION A-A S : 1 : 300

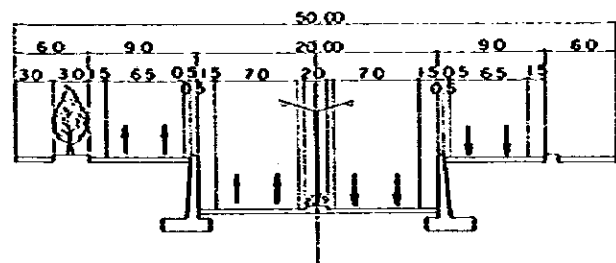
SECTION B-B S : 1 : 300

PROJECT	DRAWING TITLE	SCALE	TOTAL SHEET
SOUTHERN LINK EXTENSION	J. LARKIN INTERCHANGE		38

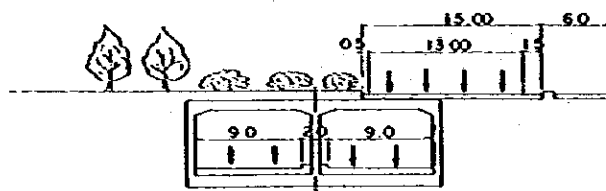
ALTERNATIVE INTERSECTION PLAN (LONG TERM)
JLN LARKIN & JLN KEBUN TEH



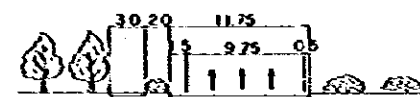
SECTION A-A 5:1:300



SECTION B-B 5:1:300



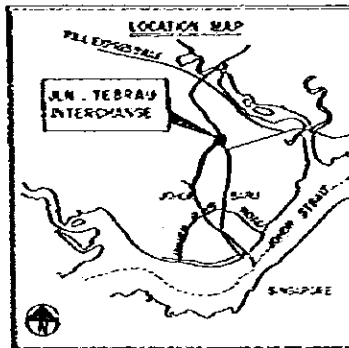
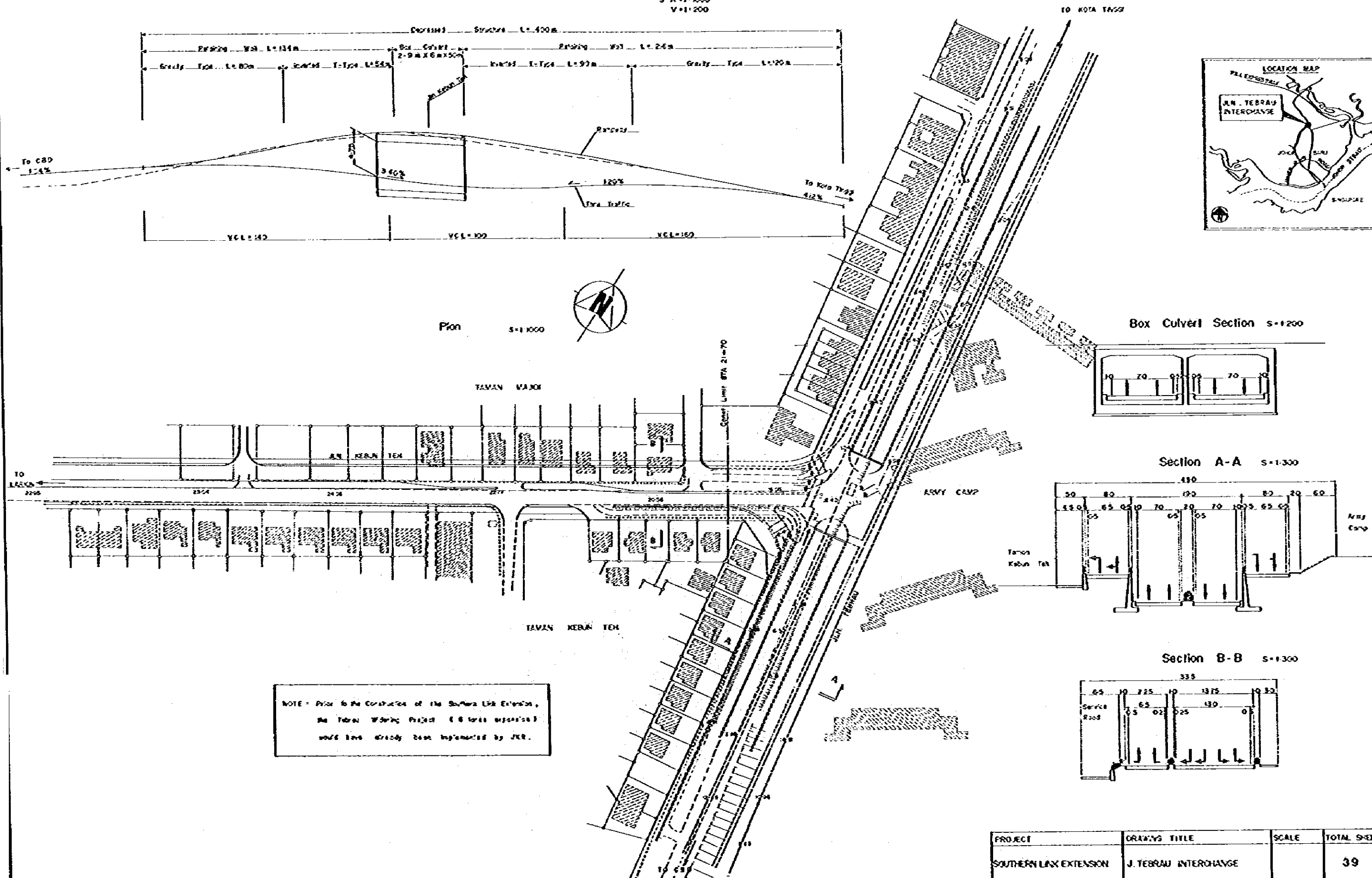
SECTION C-C 5:1:300



PROJECT	DRAWING TITLE	SCALE	TOTAL SHEET
SOUTHERN LINK EXTENSION	J LARKIN INTERCHANGE (ALTERNATIVE)		38

Jn. Tebrau Profile

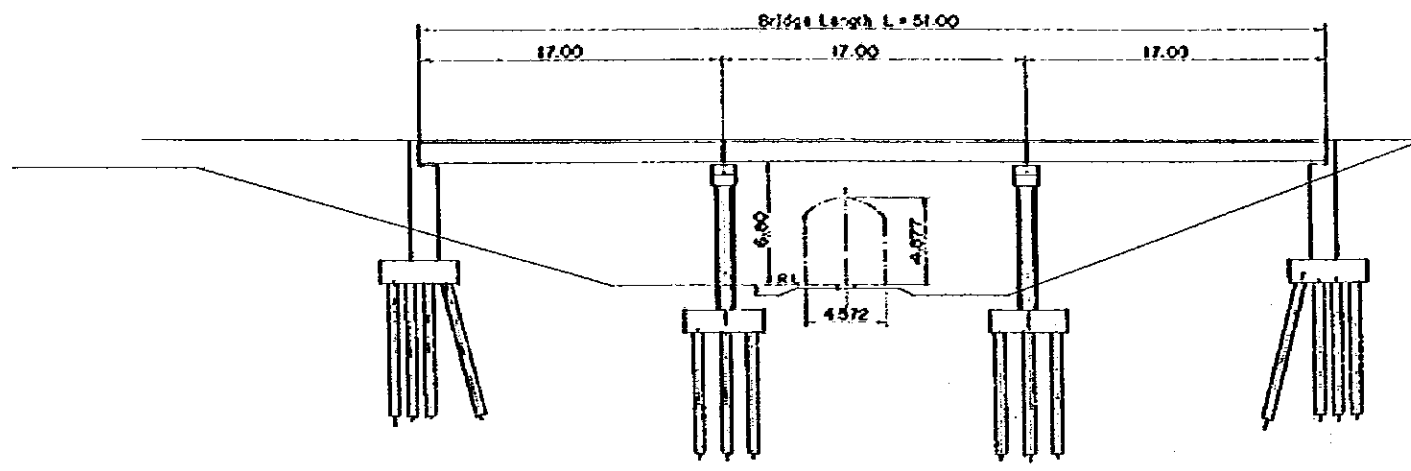
S H=1:1000
V=1:200



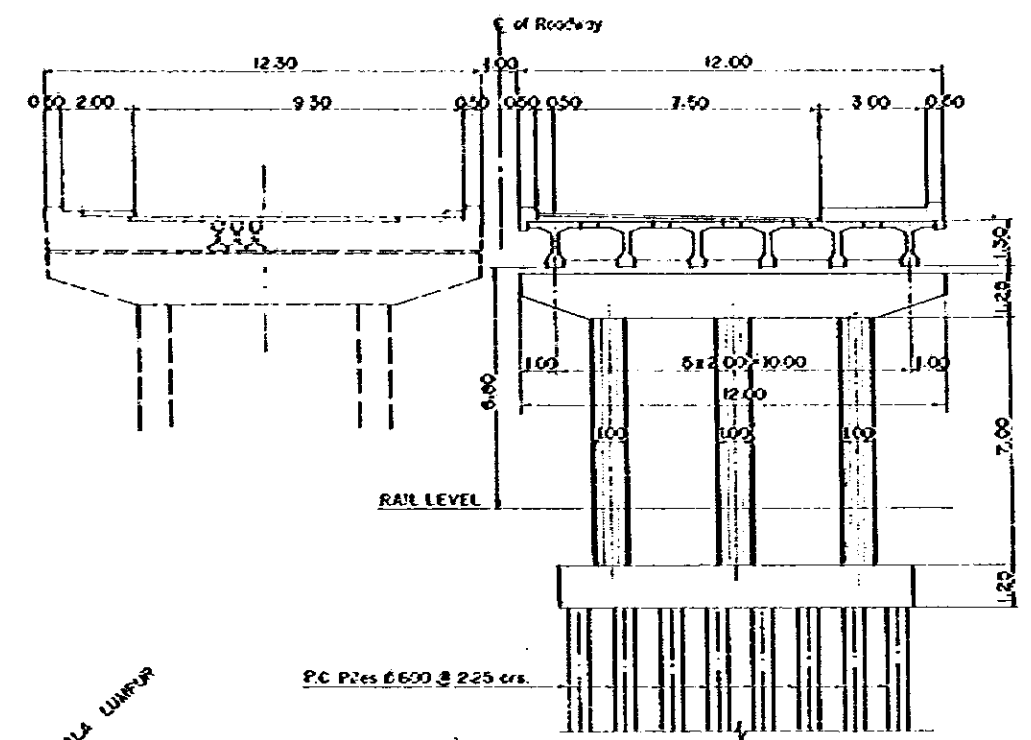
NOTE: Prior to the construction of the Southern Link Extension, the Tebrau Interchange Project (6 lanes expansion) would have already been implemented by JKR.

PROJECT	DRAWING TITLE	SCALE	TOTAL SHEET
SOUTHERN LINK EXTENSION	J. TEBRAU INTERCHANGE		39

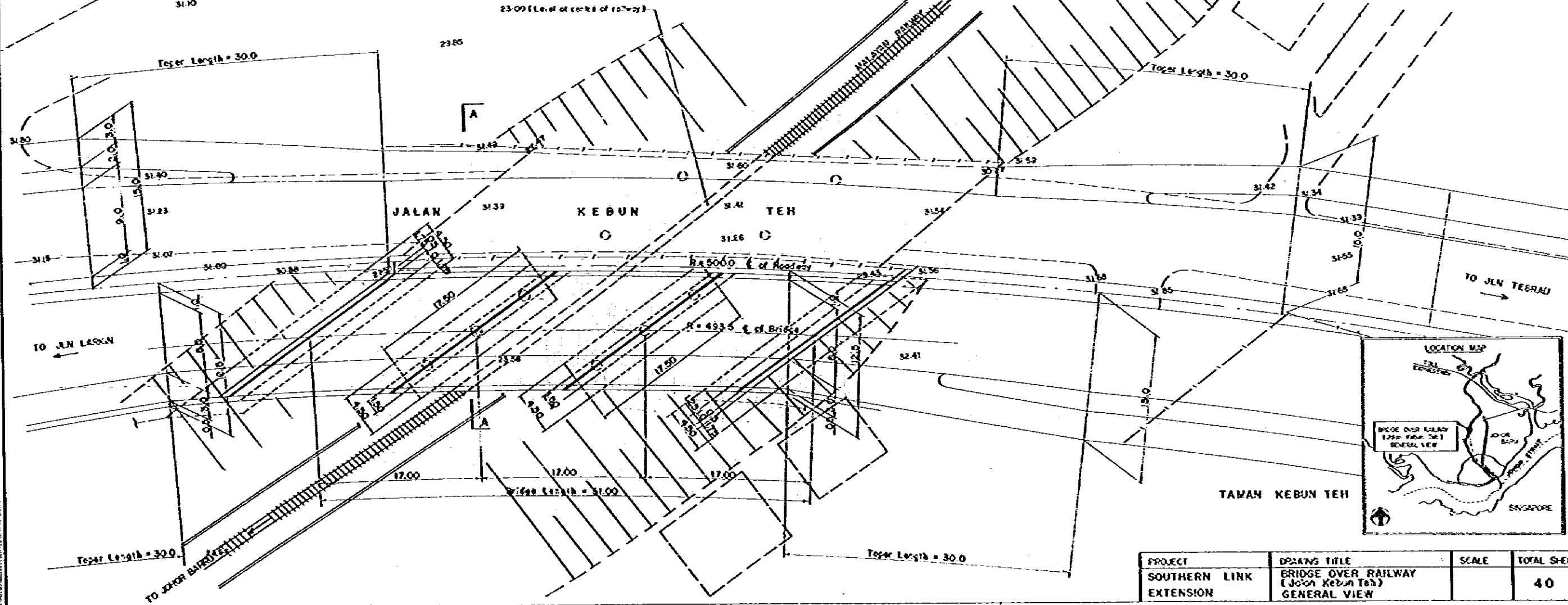
GENERAL VIEW 1:200



SECTION A-A 1:100



PLAN 1:200



PROJECT	DRAWING TITLE	SCALE	TOTAL SHEET
SOUTHERN LINK EXTENSION	BRIDGE OVER RAILWAY (Jalan Kebun Teh) GENERAL VIEW		40