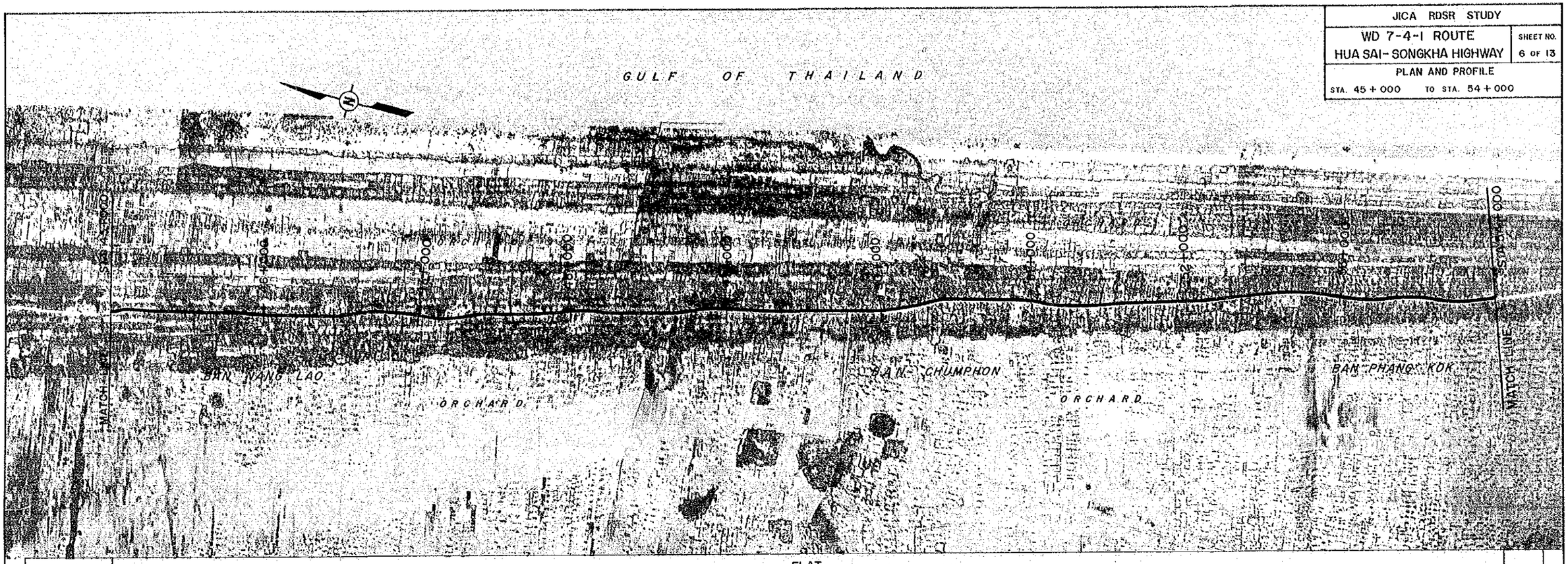
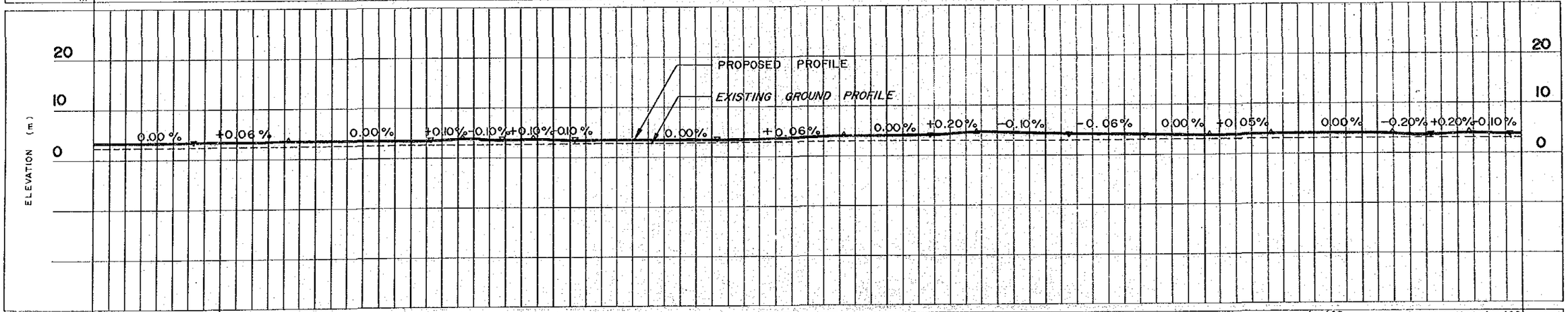
JICA RDSR STUDY	
WD 7-4-1 ROUTE HUA SAI - SONGKHA HIGHWAY	SHEET NO. 6 OF 13
PLAN AND PROFILE	
STA. 45 + 000 TO STA. 54 + 000	



TERRAIN		FLAT
PAVEM'T	Type	AC PAVEMENT
	Existing Condition	GOOD / FAIR
FLOODING	Length(Km.) Hight (m.)	—
RIGHT OF WAY (m.)	L.	15.00
	R.	15.00



CURVATURE BAND	Existing Alignment	L= 87 R=505 · L= 111 R=858 · L= 109 R=1,075 · L= 54 R=610 · L= 77 R=572 · L=245 R=955 · L= 89 R=304 · L= 69 R=382 · L= 169 R=1,787 · L= 74 R=462 · L= 92 R=1,074 · L=57 R=462 · L=150 R=830 · L= 162 R=2,171 · L=129 R=2,096 · L= 72 R= 462 · L= 187 R= 316 · L= 109 R=3738 · L=134 R=1,123 · L=140 R=1,641 · L= 80 R=786 · L= 119 R= 900 · L= 168 R=806
	Proposed Alignment	L= 87 R=505 · R = 00 · L= 111 R=858 · L= 109 R=1,075 · L= 54 R=610 · R=00 · L= 77 R= 572 · L=245 R=955 · R=00 · L= 89 R= 304 · L= 69 R=382 · L= 169 R=1787 · R=00 · L= 74 R=462 · L= 92 R=1,074 · R=00 · L= 57 R=462 · L=150 R=830 · R=00 · L= 162 R= 2,171 · R= 00 · L= 129 R=2,096 · L= 72 R= 462 · R=00 · L= 187 R= 316 · R=00 · L= 109 R=3,739 · R=00 · L=134 R=1,123 · R=00 · L= 140 R=1,641 · R=00 · L= 80 R=786 · R=00 · L= 119 R= 900 · R=00 · L= 168 R=806
STATION (Km.)		45+000 · 46+000 · 47+000 · 48+000 · 49+000 · 50+000 · 51+000 · 52+000 · 53+000 · 54+000

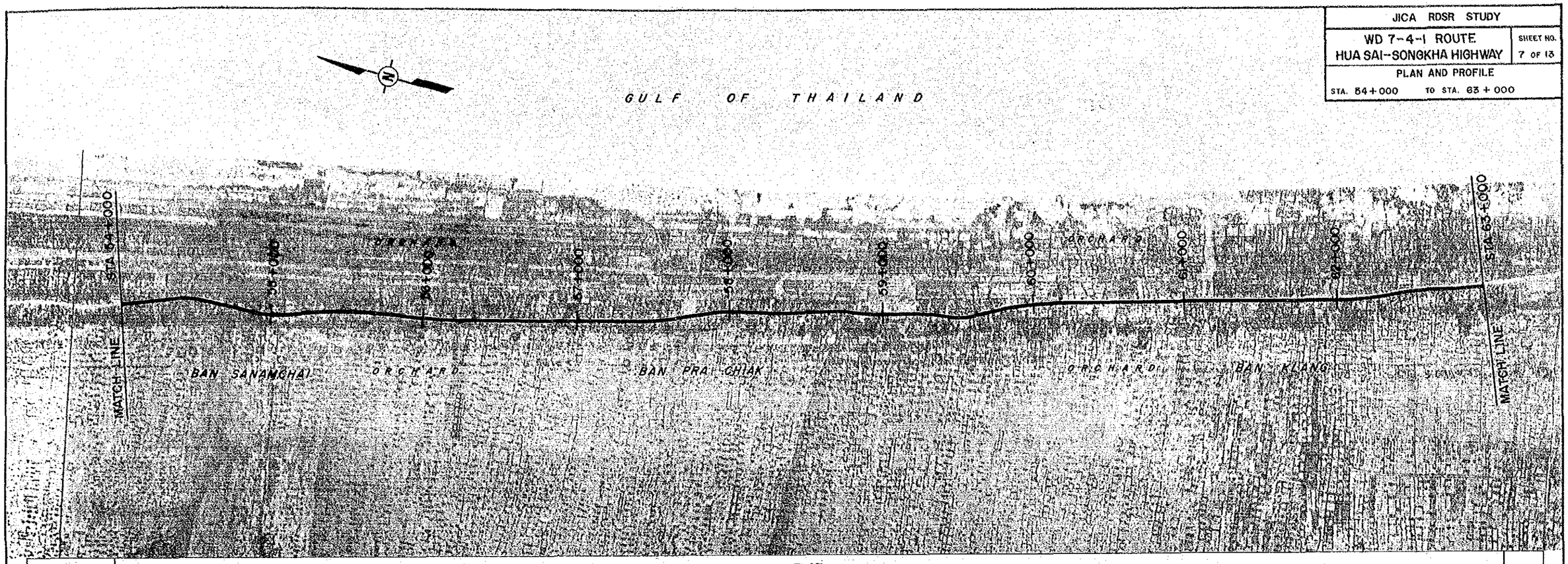
JICA RDSR STUDY

WD 7-4-1 ROUTE
HUA SAI-SONGKHA HIGHWAY

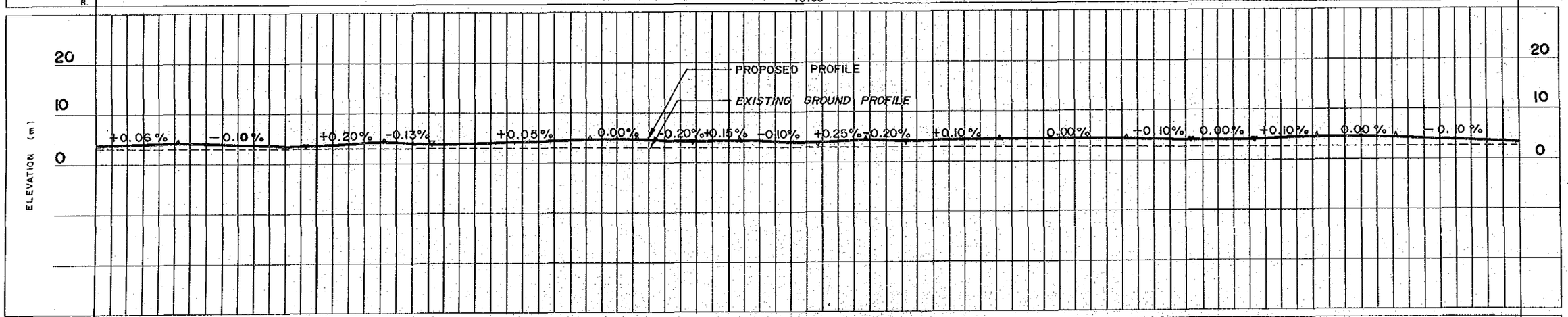
SHEET NO. 7 OF 13

PLAN AND PROFILE

STA. 54+000 TO STA. 63+000



TERRAIN		FLAT
PAVEM'T	Type	AC PAVEMENT
	Existing Condition	GOOD / FAIR
FLOODING	Length(Km.) Hight (m.)	—
RIGHT OF WAY (m.)	L.	15.00
	R.	15.00



CURVATURE BAND	Existing Alignment	L = 90 R = 462 · L = 153 R = 697 · L = 124 R = 448 · L = 135 R = 522 · L = 190 R = 1,259 · L = 133 R = 2,217 · L = 86 R = 4,545 · L = 213 R = 1,412 · L = 118 R = 621 · L = 133 R = 1386 · L = 132 R = 492 · L = 116 R = 521 · L = 144 R = 993 · L = 106 R = 293 · L = 177 R = 1,120 · L = 154 R = 1,971 · L = 71 R = 4,167 · L = 75 R = 1,195
	Proposed Alignment	L = 90 R = 462 · L = 153 R = 697 · R=00 · L = 124 R = 448 · R=00 · L = 135 R = 522 · R = 00 · L = 190 R = 1,259 · L = 133 R = 2,217 · R=00 · L = 86 R = 4,545 · R = 00 · L = 213 R = 1,412 · R=00 · L = 118 R=621 · L = 133 R = 1386 · R=00 · L = 132 R = 492 · L = 116 R = 521 · R=00 · L = 144 R = 993 · L = 106 R = 293 · R=00 · L = 177 R = 1,120 · L = 154 R = 1,971 · R = 00 · L = 71 R = 4,167 · R=00 · L = 75 R = 1,195
STATION (Km.)		54+000 · 55+000 · 56+000 · 57+000 · 58+000 · 59+000 · 60+000 · 61+000 · 62+000 · 63+000

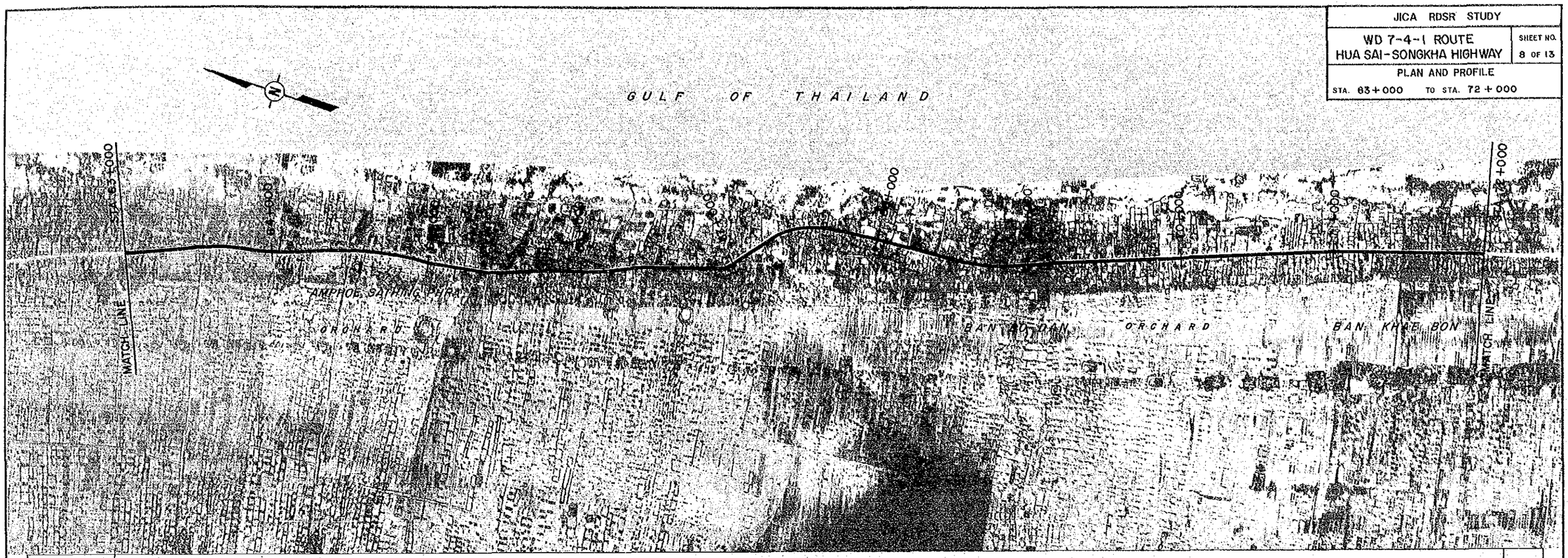
JICA RDSR STUDY

WD 7-4-1 ROUTE
HUA SAI-SONGKHA HIGHWAY

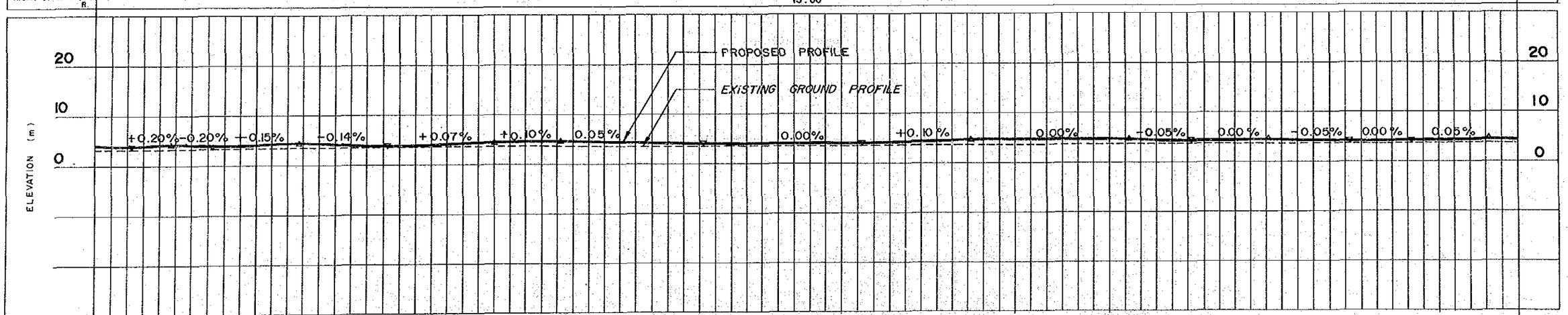
SHEET NO. 8 OF 13

PLAN AND PROFILE

STA. 63+000 TO STA. 72+000



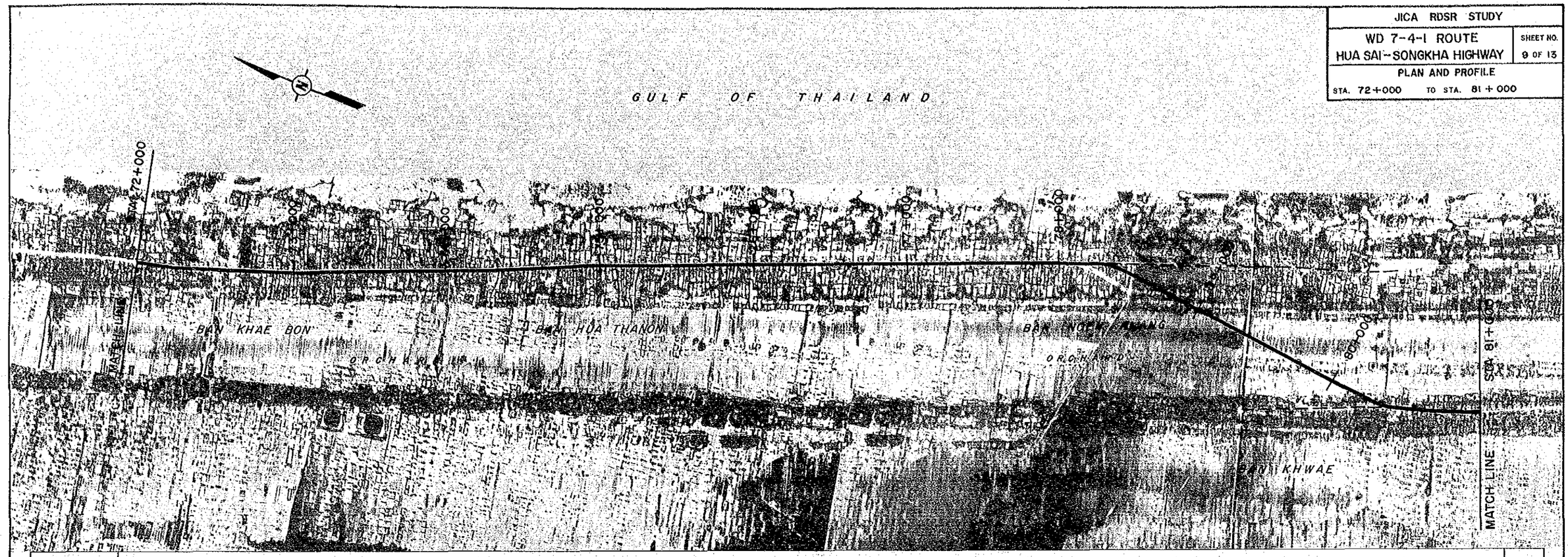
TERRAIN		FLAT
PAVEM'T	Type	AC PAVEMENT
	Existing Condition	GOOD / FAIR
FLOODING	Length(Km.) Hight (m.)	—
RIGHT OF WAY (m)	L	15.00
	R	15.00



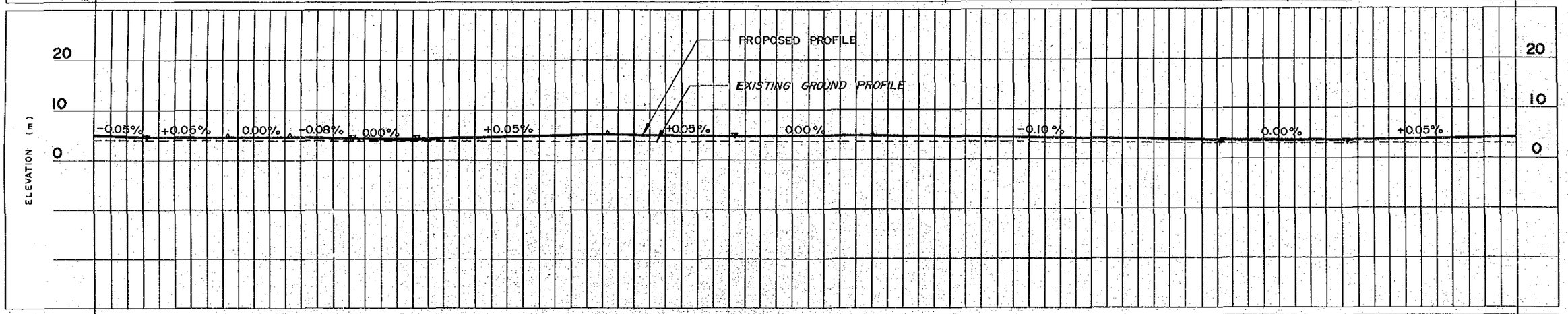
CURVATURE BAND

	63+000	64+000	65+000	66+000	67+000	68+000	69+000	70+000	71+000	72+000
Existing Alignment	L = 135 R = 2,283	L = 164 R = 1,089 L = 167 R = 1,742	L = 134 R = 1,643 L = 37 R = 3,077 L = 63 R = 487 L = 88 R = 696	L = 103 R = 2,431 L = 130 R = 665 L = 148 R = 2,747	L = 144 R = 1,177 L = 118 R = 869	L = 152 R = 267	L = 220 R = 540 L = 185 R = 1,430	L = 145 R = 1,321 L = 136 R = 582 L = 140 R = 2,240		L = 201 R = 5,050
Proposed Alignment	L = 135 R = 2,283	R=00 L = 164 R = 1,089 R=00 L = 167 R = 1,742	R=00 L = 134 R = 1,643 R=00 L = 37 R = 3,077 L = 63 R = 487 R=00 L = 88 R = 696	R=00 L = 103 R = 2,431 R=00 L = 130 R = 665 L = 148 R = 2,747	R=00 L = 144 R = 1,177 R=00 L = 118 R = 869	R=00 L = 152 R = 267	R=00 L = 220 R = 540 R=00 L = 185 R = 1,430	R=00 L = 145 R = 1,321 R=00 L = 136 R = 582 R=00 L = 140 R = 2,240	R=00	L = 201 R = 5,050

JICA RDSR STUDY	
WD 7-4-1 ROUTE HUA SAI - SONGKHA HIGHWAY	SHEET NO. 9 OF 13
PLAN AND PROFILE	
STA. 72+000 TO STA. 81+000	

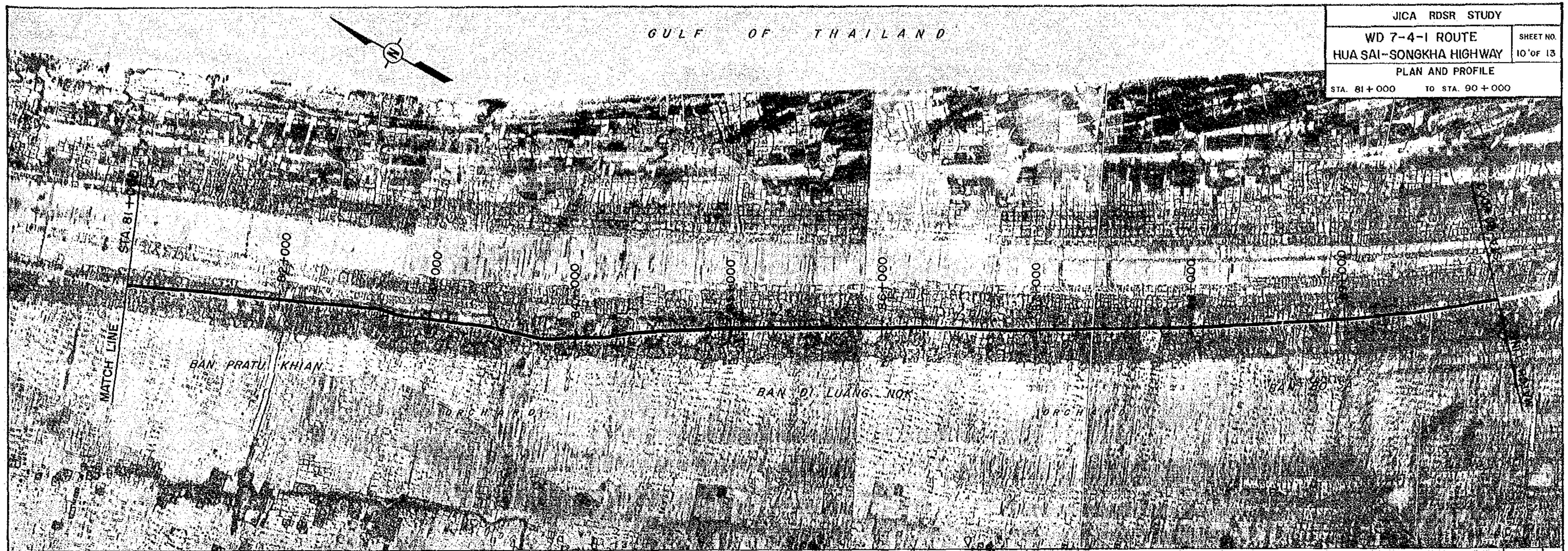


TERRAIN		FLAT
PAVEM'T	Type	AC PAVEMENT
	Existing Condition	GOOD/FAIR
FLOODING	Length(Km.) Hight (m.)	—
RIGHT OF WAY (m.)	L.	15.00 / 20.00 / 15.00
	R.	15.00 / 20.00 / 15.00

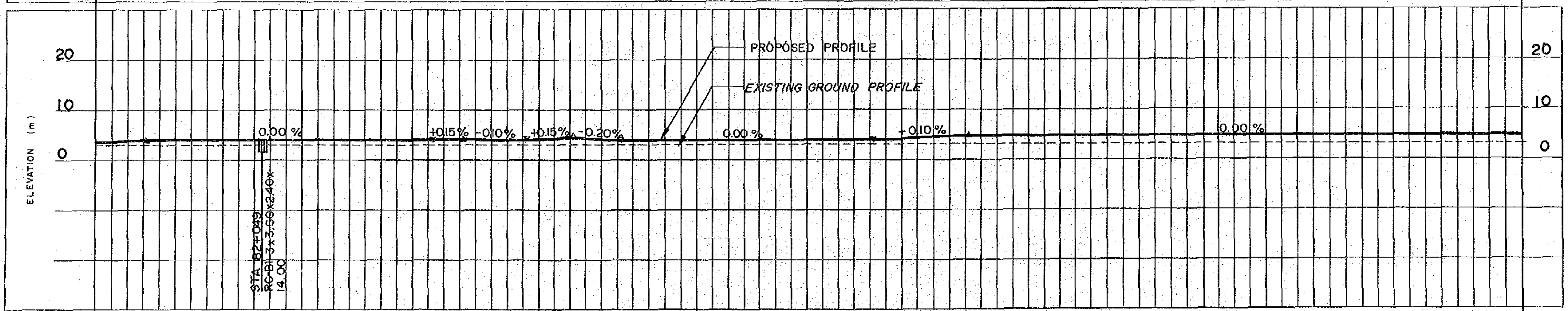


CURVATURE BAND	Existing Alignment	L = 187 R = 2,935	L = 238 R = 2,347	L = 157 R = 3,067	L = 161 R = 4,949	L = 124 R = 2,734	L = 133 R = 257	L = 167 R = 299	L = 57 R = 859	
	Proposed Alignment	R=00 L = 187 R = 2,935 R=00	L = 238 R = 2,347 R=00	L = 157 R = 3,067 R=00	L = 161 R = 4,949 R=00	L = 124 R = 2,734 R=00	L = 133 R = 257 R=00	L = 167 R = 299 R=00	L = 57 R = 859	
STATION (Km.)		72+000	73+000	74+000	75+000	76+000	77+000	78+000	79+000	80+000	81+000

JICA RDSR STUDY	
WD 7-4-1 ROUTE HUA SAI–SONGKHA HIGHWAY	SHEET NO. 10 OF 13
PLAN AND PROFILE	
STA. 81+000 TO STA. 90+000	



TERRAIN		FLAT
PAVEM'T	Type	AC PAVEMENT
	Existing Condition	GOOD / FAIR
FLOODING	Length (Km.) Hight (m.)	–
RIGHT OF WAY (m.)	L.	15.00
	R.	15.00



CURVATURE BAND

Existing Alignment: L=158 R=1,247; L=46 R=855; L=115 R=3,335; L=157 R=2,361; L=66 R=425; L=116 R=425; L=235 R=1,953; L=144 R=1,724; L=135 R=2,277; L=110 R=5,000; L=161 R=5,415; L=310 R=3,021

Proposed Alignment: R=∞; L=158 R=1,247; R=∞; L=46 R=855; R=∞; L=115 R=3,335; R=∞; L=157 R=2,361; R=∞; L=66 R=425; R=∞; L=116 R=425; R=∞; L=235 R=1,953; L=144 R=1,724; R=∞; L=135 R=2,277; R=∞; L=110 R=5,000; R=∞; L=161 R=5,415; R=∞; L=310 R=3,021; R=∞

STATION (Km.) 81+000 82+000 83+000 84+000 85+000 86+000 87+000 88+000 89+000 90+000

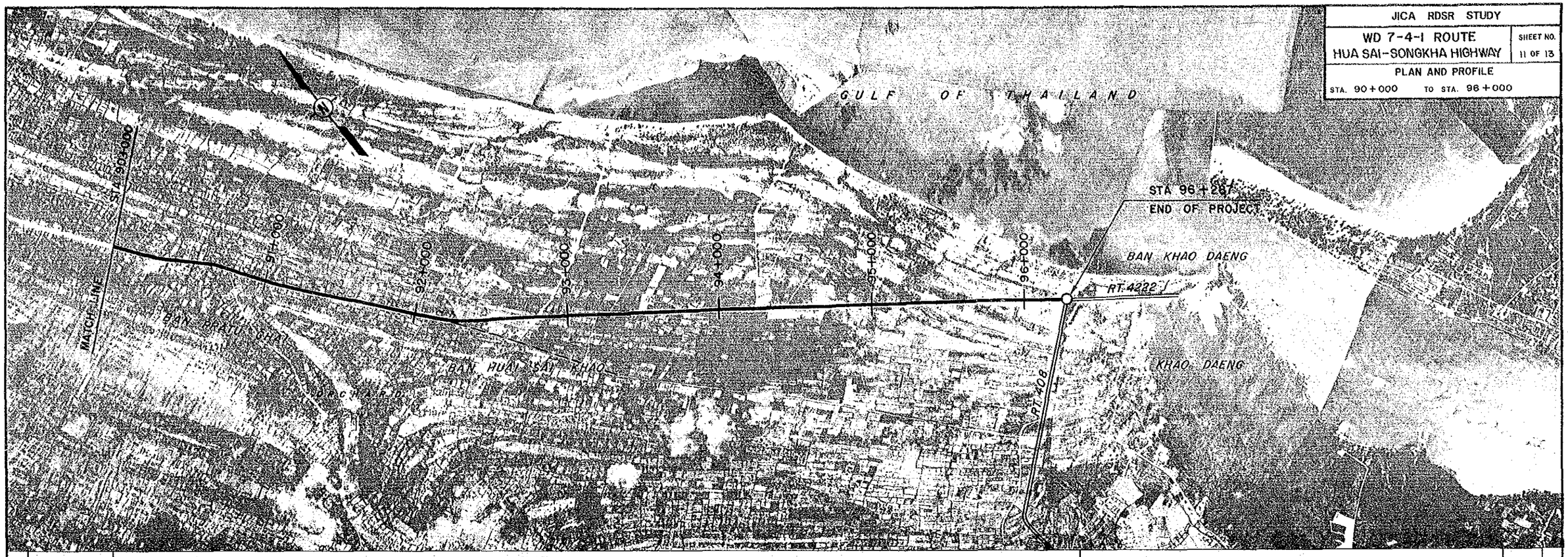
JICA RDSR STUDY

WD 7-4-1 ROUTE
HUA SAI-SONGKHA HIGHWAY

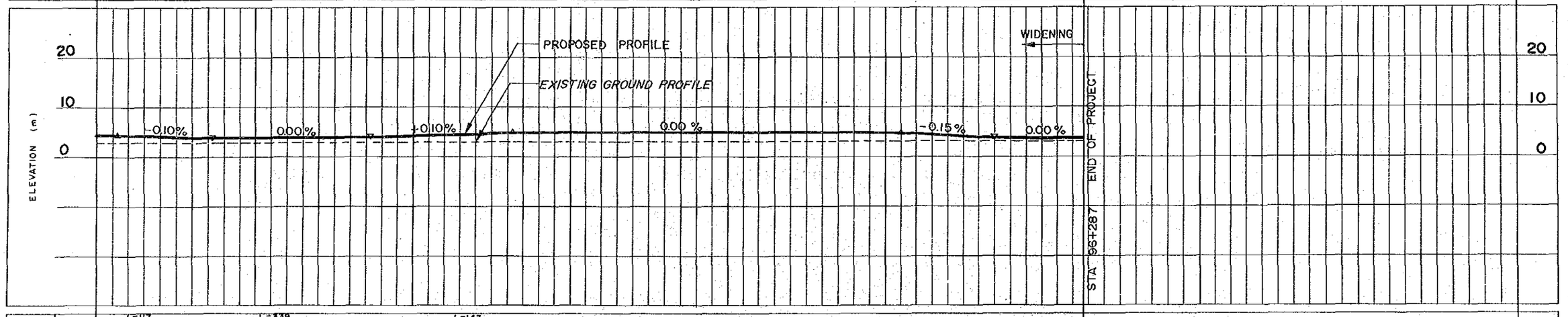
SHEET NO. 11 OF 13

PLAN AND PROFILE

STA. 90+000 TO STA. 96+000



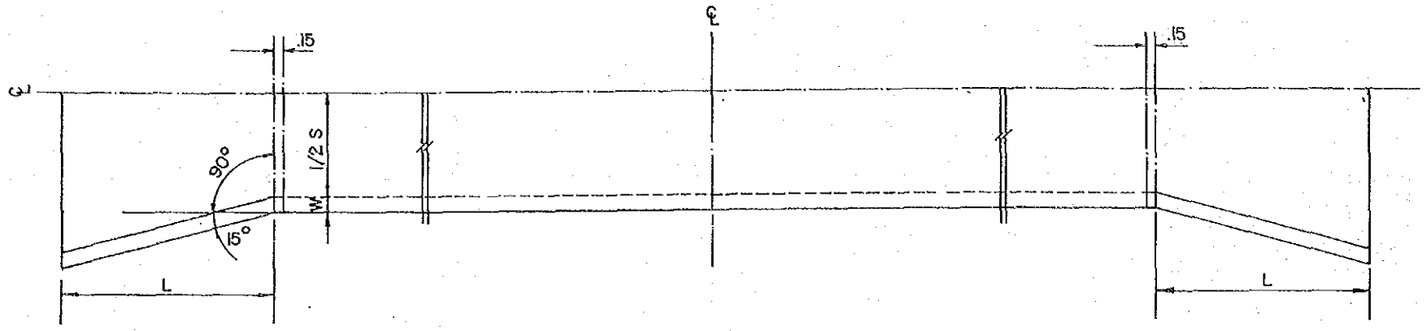
TERRAIN		FLAT
PAVEM'T	Type	AC PAVEMENT
	Existing Condition	GOOD / FAIR
FLOODING	Length(Km.) Hight (m.)	–
RIGHT OF WAY (m.)	L.	15.00 / 20.00
	R	15.00 / 20.00



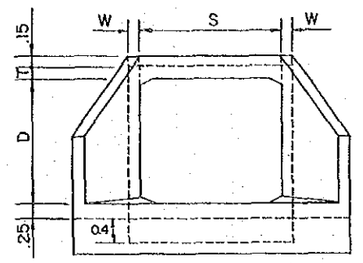
CURVATURE BAND	Existing Alignment	L=117 R=681; L=175 R=771; L=339 R=2,885; L=143 R=518; L=380 R=4,706
	Proposed Alignment	R=00; L=117 R=681; R=00; L=175 R=771; R=00; L=339 R=2,885; R=00; L=143 R=518; L=380 R=4,706; R=00
STATION (Km.)		90+000 91+000 92+000 93+000 94+000 95+000 96+000

JICA RDSR STUDY	
WD7-4-1 ROUTE HUA SAI – SONGKHLA HIGHWAY	SHEET NO 12 OF 13
BOX CULVERT	

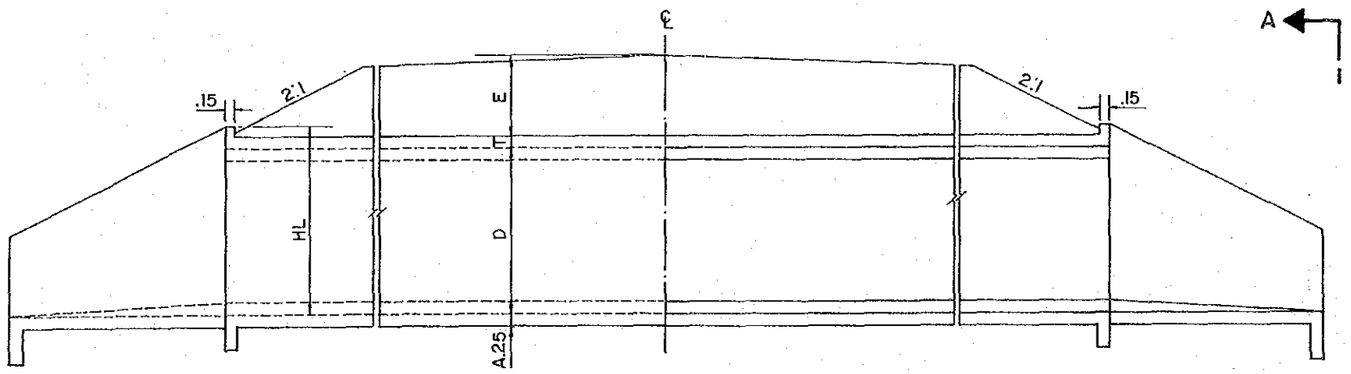
BOX CULVERT



HALF LONGITUDINAL PLAN

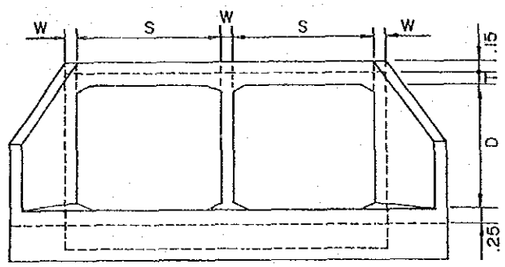


SINGLE TYPE



HALF LONGITUDINAL ELEVATION

HALF LONGITUDINAL SECTION

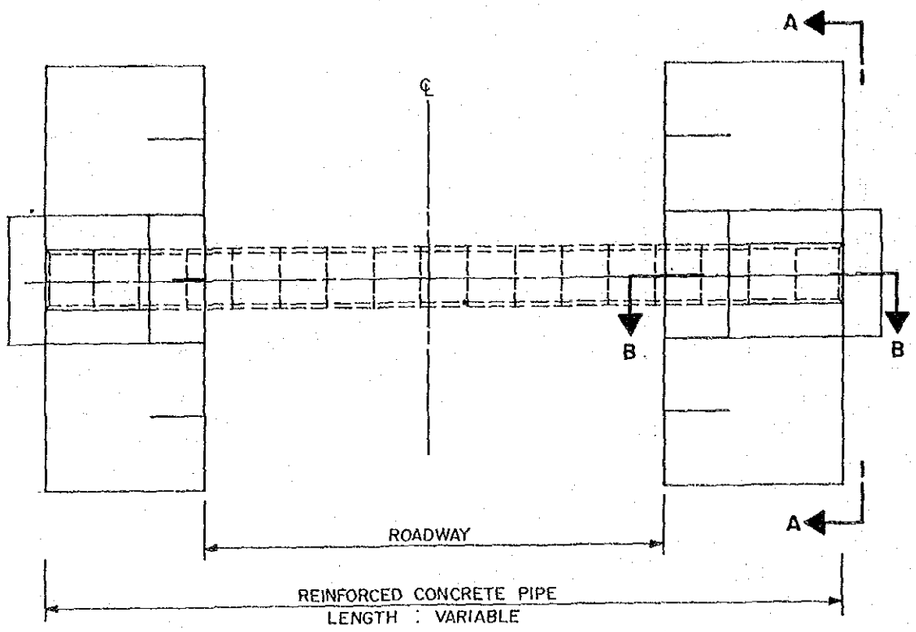


DOUBLE TYPE

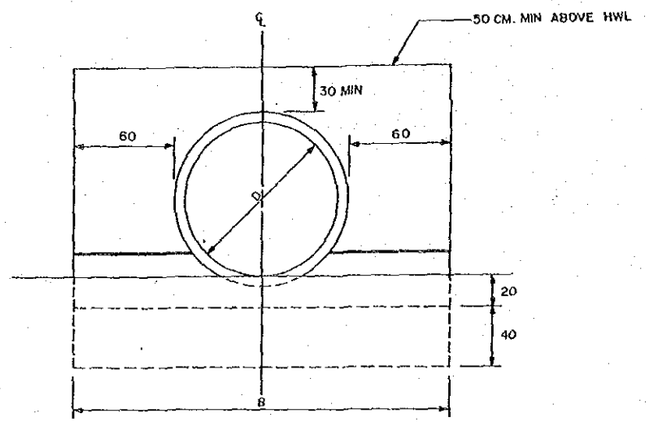
SECTION A–A

PIPE CULVERT

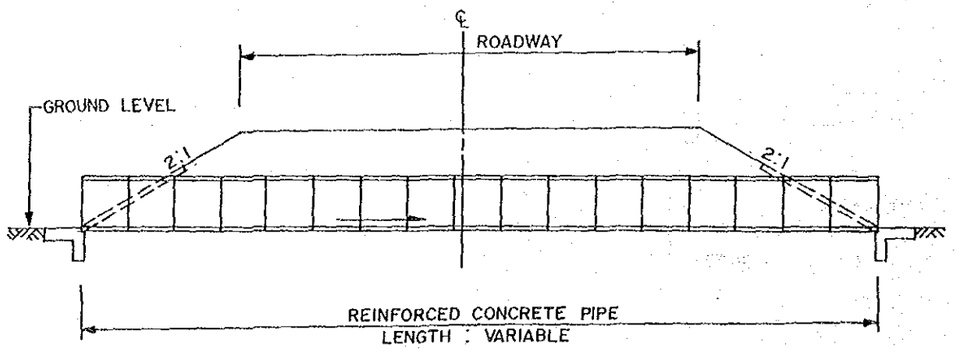
PIPE CULVERT



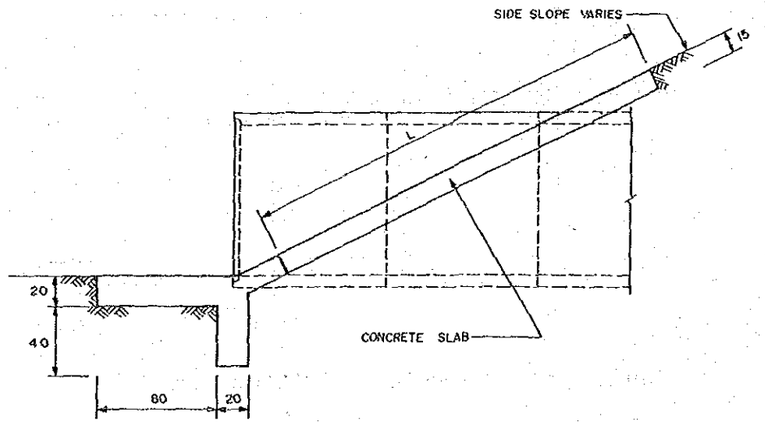
PLAN



SECTION A-A



PROFILE



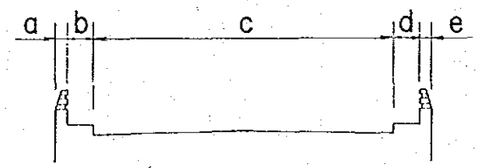
SECTION B-B

List of Bridge

LIST OF BRIDGES (WD7-4-1:S1)

Station	Materials	Structural System	Width (a+b+c+d+e:m)	Span and Length (m)	Remarks	(Fig.)
11+775 Kh.Pak Rawa	RC	SP.SL	0.4+0.0+9.2+0.0+0.4=10.0	2*8.0+3*9.0+2*8.0=59.0	Used as existed	
12+265	RC	SP.SL	0.4+0.0+9.0+0.0+0.4=9.8	3*9.0=27.0	Used as existed	
14+420 Tha Khen	RC	SP.SL	0.3+0.7+8.0+0.7+0.3=10.0	5*10.0=50.0	Used as existed	

Note: (1) Materials
RC: Reinforced Concrete Bridge
(2) Structural System
SP.SL: Simply Supported Slab



List of Culvert

LIST OF BOX AND PIPE CULVERT

STATION	CULVERT TYPE	CULVERT SIZE (m)		NO. of LOCATIONS	CULVERT LENGTH (m)		
		PIPE	BOX		EXISTING	EXTENDED CONST-RUCTION	NEW CONST-RUCTION
		NO. of ROW x DIAMETER	NO. of CELLS (CLEAR SPAN x DEPTH)				
0+0.50	Pipe	1x⊙0.60		1	16.0	4.0	
0+0.50	Pipe	1x⊙0.60		1	14.0	4.0	
0+423	Pipe	1x⊙0.60		1	10.0	4.0	
0+428	Pipe	1x⊙0.80		1	12.0	4.0	
0+828	Pipe	1x⊙0.60		1	12.0	4.0	
1+253	Pipe	1x⊙0.80		1	14.0	4.0	
1+778	Pipe	1x⊙0.80		1	13.0	4.0	
2+378	Pipe	1x⊙0.80		1	13.0	4.0	
2+728	Pipe	1x⊙1.00		1	13.0	4.0	
2+878	Pipe	1x⊙0.80		1	19.0	4.0	
3+203	Pipe	1x⊙0.80		1	12.0	4.0	
3+528	Pipe	1x⊙0.60		1	11.0	4.0	
3+878	Pipe	1x⊙1.00		1	12.0	4.0	
4+278	Pipe	1x⊙0.80		1	12.0	4.0	
5+828	Pipe	1x⊙0.80		1	12.0	4.0	
5+878	Pipe	1x⊙0.80		1	10.0	4.0	
5+878	Pipe	1x⊙0.60		1	12.0	4.0	
5+893	Pipe	2x⊙0.80		1	13.0	4.0	
5+978	Pipe	1x⊙0.80		1	13.0	4.0	
6+528	Pipe	1x⊙0.80		1	13.0	4.0	
6+878	Pipe	1x⊙0.80		1	15.0	4.0	
7+328	Pipe	1x⊙0.60		1	14.0	4.0	
7+728	Pipe	1x⊙0.80		1	14.0	4.0	
8+328	Pipe	1x⊙0.80		1	14.0	4.0	
8+553	Pipe	1x⊙0.80		1	14.0	4.0	
8+628	Pipe	1x⊙0.80		1	14.0	4.0	
8+780	Pipe	1x⊙0.80		1	12.0	4.0	
8+798	Box		4(3.80x2.00)	1	14.0	4.0	
9+428	Pipe	1x⊙0.80		1	14.0	4.0	
9+828	Pipe	1x⊙0.80		1	14.0	4.0	
10+478	Pipe	1x⊙0.80		1	13.0	4.0	
10+728	Pipe	1x⊙0.80		1	14.0	4.0	
11+228	Pipe	1x⊙0.80		1	13.0	4.0	
12+686	Pipe	1x⊙0.80		1	17.0	2.0	
12+863	Box		4(2.10x1.80)	1	12.0	2.0	
13+428	Pipe	1x⊙0.80		1	14.0	2.0	
13+528	Pipe	1x⊙0.80		1	14.0	2.0	
13+888	Pipe	1x⊙0.80		1	12.0	2.0	
13+901	Pipe	1x⊙0.60		1	12.0	2.0	
14+228	Pipe	1x⊙1.00		1	15.0	2.0	

STATION	CULVERT TYPE	CULVERT SIZE (m)		NO. of LOCATIONS	CULVERT LENGTH (m)		
		PIPE	BOX		EXISTING	EXTENDED CONST-RUCTION	NEW CONST-RUCTION
		NO. of ROW x DIAMETER	NO. of CELLS (CLEAR SPAN x DEPTH)				
15+206	Box		4(2.10x1.80)	1	14.0	2.0	
15+328	Pipe	1x⊙0.80		1	13.0	2.0	
15+667	Pipe	1x⊙1.00		1	13.0	2.0	
15+928	Pipe	1x⊙0.60		1	11.0	2.0	
15+928	Pipe	1x⊙0.60		1	12.0	2.0	
16+026	Pipe	1x⊙1.00		1	14.0	2.0	
16+345	Pipe	1x⊙0.80		1	15.0	2.0	
16+692	Pipe	1x⊙1.00		1	15.0	2.0	
17+043	Box		4(1.80x1.20)	1	13.0	2.0	
17+328	Pipe	1x⊙0.80		1	14.0	2.0	
17+578	Pipe	1x⊙0.80		1	14.0	2.0	
18+140	Box		4(1.80x1.20)	1	13.0	2.0	
18+728	Pipe	1x⊙0.80		1	14.0	2.0	
19+178	Pipe	1x⊙0.80		1	15.0	2.0	
19+203	Pipe	1x⊙0.60		1	10.0	2.0	
19+248	Pipe	1x⊙0.60		1	13.0	2.0	
19+603	Pipe	2x⊙0.80		1	14.0	2.0	
20+478	Pipe	2x⊙0.80		1	14.0	2.0	
21+128	Pipe	1x⊙0.80		1	13.0	2.0	
21+555	Pipe	1x⊙0.80		1	12.0	2.0	
21+588	Pipe	1x⊙0.80		1	14.0	2.0	
21+929	Box		(1.80x1.50)	1	13.0	2.0	
22+478	Pipe	2x⊙0.60		1	13.0	2.0	
22+678	Pipe	2x⊙0.60		1	13.0	2.0	
23+303	Pipe	1x⊙0.60		1	12.0	2.0	
23+878	Pipe	1x⊙0.60		1	13.0	2.0	
24+256	Pipe	1x⊙0.60		1	13.0	2.0	
24+653	Pipe	1x⊙0.60		1	12.0	2.0	
25+828	Pipe	2x⊙0.60		1	13.0	2.0	
25+953	Pipe	1x⊙0.60		1	12.0	2.0	
26+028	Pipe	1x⊙0.80		1	14.0	2.0	
26+392	Pipe	1x⊙0.60		1	12.0	2.0	
26+492	Pipe	2x⊙0.60		1	15.0	2.0	
26+505	Pipe	1x⊙0.60		1	12.0	2.0	
27+017	Pipe	1x⊙0.80		1	13.0	2.0	
27+617	Pipe	1x⊙0.80		1	12.0	2.0	
28+407	Pipe	1x⊙0.60		1	16.0	2.0	
28+537	Pipe	1x⊙0.60		1	18.0	2.0	
28+889	Box		(1.80x1.80)	1	13.0	2.0	
28+948	Pipe	1x⊙0.60		1	17.0	2.0	

LIST OF BOX AND PIPE CULVERT

STATION	CULVERT TYPE	CULVERT SIZE (m)		NO. of LOCATIONS	CULVERT LENGTH (m)		
		PIPE	BOX				
		NO. of ROW x DIAMETER	NO. of CELLS (CLEAR SPAN x DEPTH)		EXISTING	EXTENDED CONST-RUCTION	NEW CONST-RUCTION
29+017	Box		(3.00x2.70)	1	13.0	2.0	
29+234	Pipe	1x⊙0.60		1	16.0	2.0	
29+534	Pipe	1x⊙0.60		1	14.0	2.0	
29+993	Pipe	1x⊙0.60		1	14.0	2.0	
30+385	Pipe	1x⊙0.60		1	14.0	2.0	
30+737	Pipe	1x⊙1.00		1	17.0	2.0	
31+416	Pipe	1x⊙0.60		1	18.0	2.0	
31+843	Pipe	1x⊙0.60		1	15.0	2.0	
32+334	Pipe	2x⊙1.50		1	12.0	2.0	
32+734	Pipe	1x⊙0.60		1	16.0	2.0	
33+039	Pipe	1x⊙0.60		1	18.0	2.0	
33+417	Pipe	1x⊙0.50		1	13.0	2.0	
33+894	Pipe	1x⊙0.50		1	18.0	2.0	
34+484	Pipe	1x⊙0.60		1	15.0	2.0	
35+034	Pipe	1x⊙0.60		1	15.0	2.0	
35+340	Pipe	1x⊙0.60		1	20.0	2.0	
35+547	Pipe	1x⊙0.80		1	16.0	2.0	
35+550	Box		(2.10x2.10)	1	12.0	2.0	
35+965	Pipe	1x⊙0.60		1	17.0	2.0	
36+223	Pipe	1x⊙1.00		1	17.0	2.0	
36+634	Pipe	1x⊙0.60		1	16.0	2.0	
37+177	Pipe	1x⊙0.60		1	16.0	2.0	
37+611	Pipe	1x⊙0.60		1	16.0	2.0	
38+634	Pipe	1x⊙0.60		1	15.0	2.0	
38+979	Pipe	1x⊙0.60		1	15.0	2.0	
39+134	Pipe	1x⊙0.60		1	15.0	2.0	
39+328	Pipe	1x⊙0.60		1	16.0	2.0	
39+749	Pipe	1x⊙0.60		1	16.0	2.0	
39+925	Pipe	1x⊙0.60		1	15.0	2.0	
40+234	Pipe	1x⊙0.60		1	15.0	2.0	
40+502	Pipe	1x⊙0.60		1	16.0	2.0	
40+743	Pipe	1x⊙0.60		1	15.0	2.0	
40+779	Pipe	1x⊙0.60		1	15.0	2.0	
43+184	Pipe	1x⊙0.60		1	15.0	2.0	
44+559	Pipe	1x⊙0.60		1	16.0	2.0	
44+804	Pipe	1x⊙0.60		1	16.0	2.0	
45+502	Pipe	1x⊙0.60		1	17.0	2.0	
45+942	Pipe	1x⊙0.60		1	16.0	2.0	
46+209	Pipe	1x⊙0.60		1	15.0	2.0	
46+684	Pipe	1x⊙0.60		1	16.0	2.0	

STATION	CULVERT TYPE	CULVERT SIZE (m)		NO. of LOCATIONS	CULVERT LENGTH (m)		
		PIPE	BOX				
		NO. of ROW x DIAMETER	NO. of CELLS (CLEAR SPAN x DEPTH)		EXISTING	EXTENDED CONST-RUCTION	NEW CONST-RUCTION
47+077	Pipe	1x⊙0.60		1	17.0	2.0	
47+434	Pipe	1x⊙0.60		1	15.0	2.0	
48+230	Pipe	1x⊙0.60		1	15.0	2.0	
48+266	Pipe	1x⊙0.60		1	15.0	2.0	
48+470	Pipe	1x⊙0.60		1	17.0	2.0	
48+633	Pipe	1x⊙0.60		1	16.0	2.0	
48+884	Pipe	1x⊙0.60		1	18.0	2.0	
49+563	Pipe	1x⊙0.60		1	17.0	2.0	
49+837	Pipe	1x⊙0.60		1	15.0	2.0	
50+996	Pipe	1x⊙0.60		1	17.0	2.0	
51+029	Pipe	1x⊙0.60		1	17.0	2.0	
51+449	Pipe	1x⊙0.60		1	16.0	2.0	
52+080	Pipe	1x⊙0.60		1	18.0	2.0	
52+528	Pipe	1x⊙0.60		1	17.0	2.0	
53+080	Pipe	1x⊙1.00		1	18.0	2.0	
53+853	Pipe	1x⊙0.60		1	16.0	2.0	
54+084	Pipe	1x⊙0.60		1	15.0	2.0	
54+434	Pipe	1x⊙0.60		1	19.0	2.0	
54+978	Pipe	1x⊙0.60		1	15.0	2.0	
55+368	Pipe	1x⊙0.60		1	16.0	2.0	
55+859	Pipe	1x⊙0.60		1	16.0	2.0	
56+349	Pipe	1x⊙0.60		1	18.0	2.0	
56+831	Pipe	1x⊙0.60		1	16.0	2.0	
56+918	Pipe	1x⊙0.60		1	16.0	2.0	
57+415	Pipe	1x⊙0.60		1	16.0	2.0	
57+771	Pipe	1x⊙0.60		1	16.0	2.0	
58+235	Pipe	1x⊙0.60		1	17.0	2.0	
58+579	Pipe	1x⊙0.60		1	17.0	2.0	
58+972	Pipe	1x⊙0.60		1	16.0	2.0	
59+669	Pipe	1x⊙0.60		1	16.0	2.0	
59+930	Pipe	1x⊙0.60		1	16.0	2.0	
60+156	Pipe	1x⊙0.60		1	15.0	2.0	
60+635	Pipe	1x⊙0.60		1	14.0	2.0	
61+074	Pipe	2x⊙0.60		1	15.0	2.0	
61+184	Pipe	1x⊙0.60		1	16.0	2.0	
61+494	Pipe	1x⊙0.60		1	16.0	2.0	
62+213	Pipe	1x⊙0.60		1	16.0	2.0	
62+377	Pipe	2x⊙0.60		1	16.0	2.0	
62+784	Pipe	2x⊙0.80		1	14.0	2.0	
63+498	Pipe	1x⊙0.60		1	15.0	2.0	

LIST OF BOX AND PIPE CULVERT

STATION	CULVERT TYPE	CULVERT SIZE (m)		NO. of LOCATIONS	CULVERT LENGTH (m)		
		PIPE	BOX				
		NO. of ROW x DIAMETER	NO. of CELLS (CLEAR SPAN x DEPTH)		EXISTING	EXTENDED CONST-RUCTION	NEW CONST-RUCTION
63+694.5	Pipe	1xⵔ0.60		1	15.0	2.0	
63+901.4	Pipe	1xⵔ0.60		1	17.0	2.0	
64+259	Pipe	1xⵔ0.60		1	14.0	2.0	
64+637	Pipe	1xⵔ0.60		1	15.0	2.0	
65+159	Pipe	1xⵔ0.60		1	14.0	2.0	
65+437.6	Pipe	1xⵔ0.60		1	16.0	2.0	
65+815.5	Pipe	1xⵔ0.60		1	13.0	2.0	
66+431	Pipe	1xⵔ0.60		1	16.0	2.0	
67+180	Pipe	1xⵔ0.60		1	16.0	2.0	
67+717	Pipe	1xⵔ0.60		1	15.0	2.0	
68+709	Pipe	1xⵔ0.60		1	18.0	2.0	
69+809	Pipe	1xⵔ0.60		1	15.0	2.0	
70+111.4	Pipe	1xⵔ0.60		1	15.0	2.0	
70+621.5	Pipe	1xⵔ0.60		1	15.0	2.0	
72+307.7	Pipe	1xⵔ0.60		1	17.0	2.0	
72+460	Pipe	1xⵔ0.60		1	16.0	2.0	
73+035	Pipe	1xⵔ0.60		1	15.0	2.0	
73+061	Pipe	1xⵔ0.60		1	15.0	2.0	
73+061	Pipe	1xⵔ0.60		1	14.0	2.0	
73+061	Pipe	1xⵔ0.60		1	14.0	2.0	
73+384	Pipe	1xⵔ0.60		1	14.0	2.0	
74+195	Pipe	1xⵔ0.60		1	16.0	2.0	
74+911	Pipe	1xⵔ0.80		1	17.0	2.0	
76+585.5	Pipe	1xⵔ0.60		1	14.0	2.0	
77+634	Pipe	1xⵔ0.80		1	17.0	2.0	
77+910	Pipe	1xⵔ0.80		1	17.0	2.0	
78+134	Pipe	1xⵔ0.80		1	17.0	2.0	
78+434	Pipe	1xⵔ0.80		1	17.0	2.0	
78+659	Pipe	1xⵔ0.80		1	17.0	2.0	
78+849	Pipe	1xⵔ1.00		1	20.0	2.0	
78+880	Pipe	1xⵔ1.00		1	20.0	2.0	
78+984	Pipe	1xⵔ0.80		1	16.0	2.0	
79+359	Pipe	1xⵔ0.80		1	18.0	2.0	
79+619	Pipe	1xⵔ0.60		1	15.0	2.0	
80+234	Pipe	1xⵔ0.60		1	16.0	2.0	
80+566	Pipe	1xⵔ0.60		1	15.0	2.0	
81+284	Pipe	1xⵔ0.60		1	17.0	2.0	
82+049	Box		(3.60x2.40)	1	12.0	2.0	
83+009	Pipe	1xⵔ0.60		1	15.0	2.0	
83+284	Pipe	1xⵔ0.60		1	14.0	2.0	
83+787	Pipe	1xⵔ0.80		1	17.0	2.0	

STATION	CULVERT TYPE	CULVERT SIZE (m)		NO. of LOCATIONS	CULVERT LENGTH (m)		
		PIPE	BOX				
		NO. of ROW x DIAMETER	NO. of CELLS (CLEAR SPAN x DEPTH)		EXISTING	EXTENDED CONST-RUCTION	NEW CONST-RUCTION
84+287	Pipe	1xⵔ0.60		1	16.0	2.0	
84+473	Pipe	1xⵔ0.60		1	16.0	2.0	
85+009	Pipe	1xⵔ0.60		1	15.0	2.0	
85+709	Pipe	1xⵔ0.80		1	15.0	2.0	
86+090	Pipe	1xⵔ0.80		1	17.0	2.0	
86+509	Pipe	1xⵔ0.60		1	15.0	2.0	
86+984	Pipe	1xⵔ0.60		1	15.0	2.0	
87+459	Pipe	1xⵔ0.60		1	15.0	2.0	
87+101.5	Pipe	1xⵔ0.60		1	15.0	2.0	
88+101.5	Pipe	1xⵔ0.60		1	16.0	2.0	
89+256.5	Pipe	1xⵔ0.60		1	18.0	2.0	
89+968	Pipe	1xⵔ0.60		1	16.0	2.0	
91+584	Pipe	1xⵔ0.60		1	17.0	2.0	
91+895	Pipe	1xⵔ0.60		1	16.0	2.0	
92+630.5	Pipe	1xⵔ0.60		1	15.0	2.0	
94+275	Pipe	1xⵔ0.60		1	15.0	2.0	
94+484	Pipe	1xⵔ0.60		1	17.0	2.0	
94+923	Pipe	2xⵔ0.60		1	16.0	2.0	