

Key Map

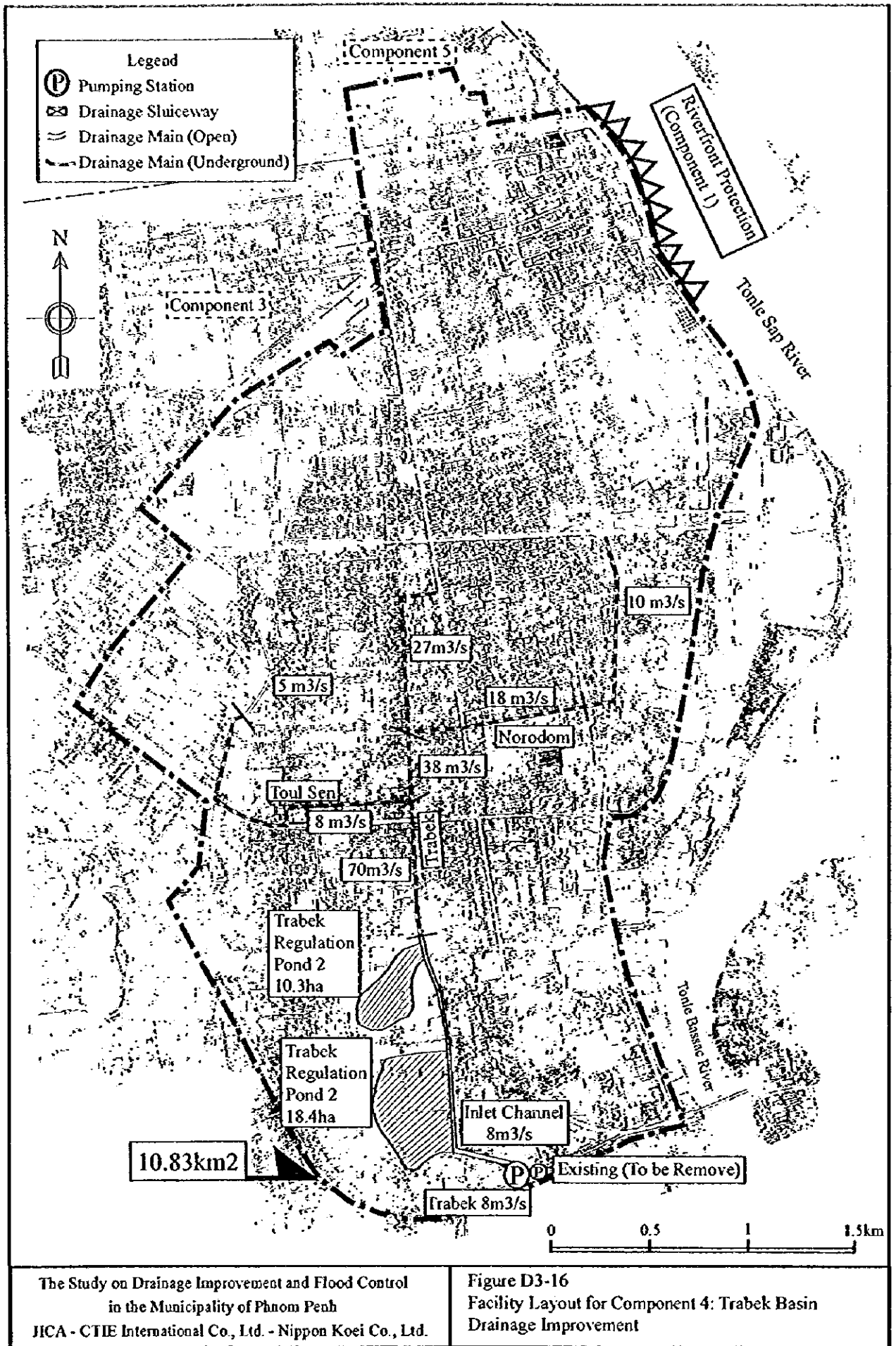


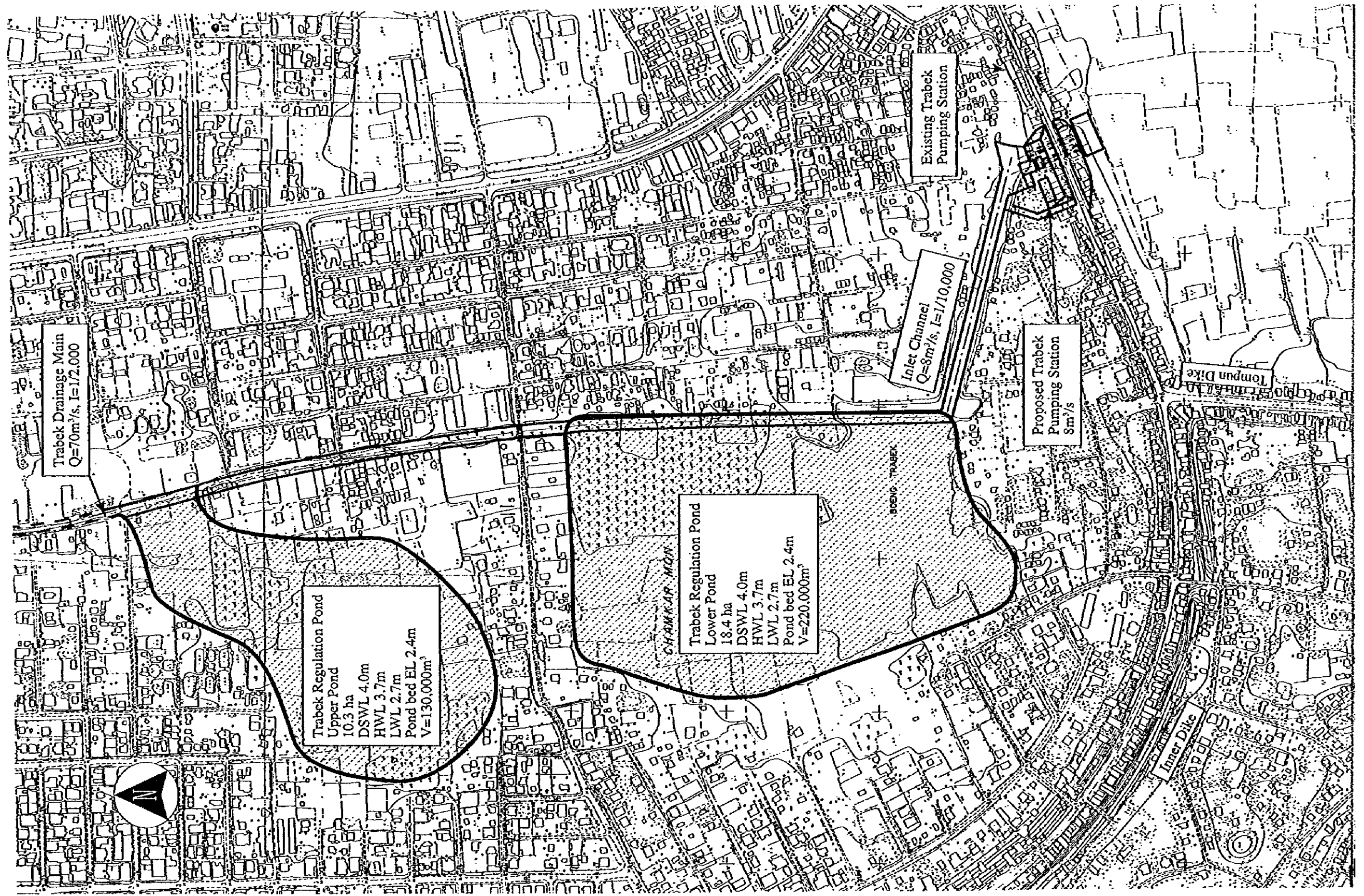
Legend

- Culvert
- 1,800mm
- 1,650mm
- 1,500mm
- 1,350mm
- 1,200mm
- 1,050mm
- 900mm
- 750mm
- 600mm
- 450mm
- 375mm

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Fig. D3-15
 Sewer Rehabilitation in Tompun Watershed





Trabek Drainage Main
Q=70m³/s, I=1/2,000

Trabek Regulation Pond
Upper Pond
10.3 ha
DSWL 4.0m
HWL 3.7m
LWL 2.7m
Pond bed EL 2.4m
V=130,000m³

Trabek Regulation Pond
Lower Pond
18.4 ha
DSWL 4.0m
HWL 3.7m
LWL 2.7m
Pond bed EL 2.4m
V=220,000m³

Existing Trabek
Pumping Station

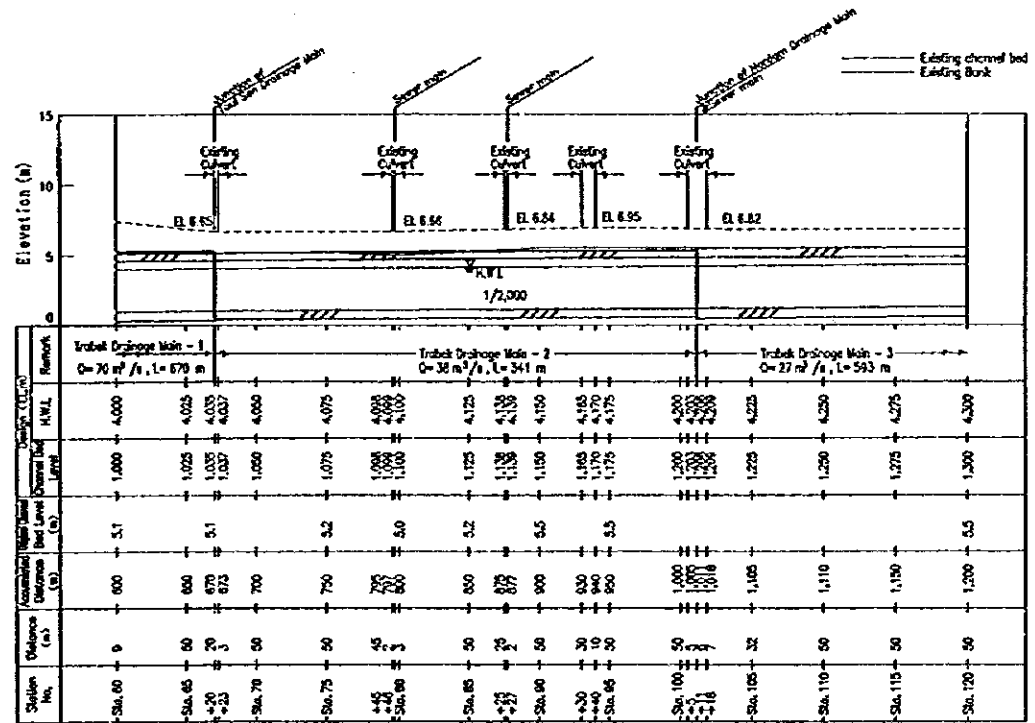
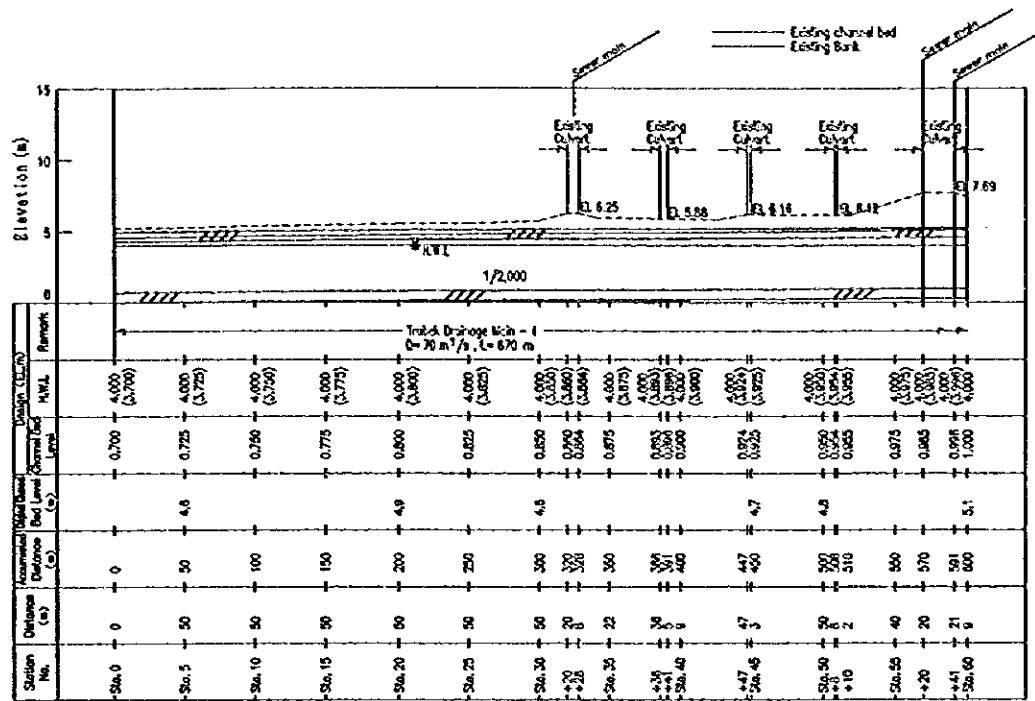
Inlet Channel
Q=8m³/s, I=1/10,000

Proposed Trabek
Pumping Station
8m³/s

SCALE: 1/5,000
0 50 100 150 200 250m

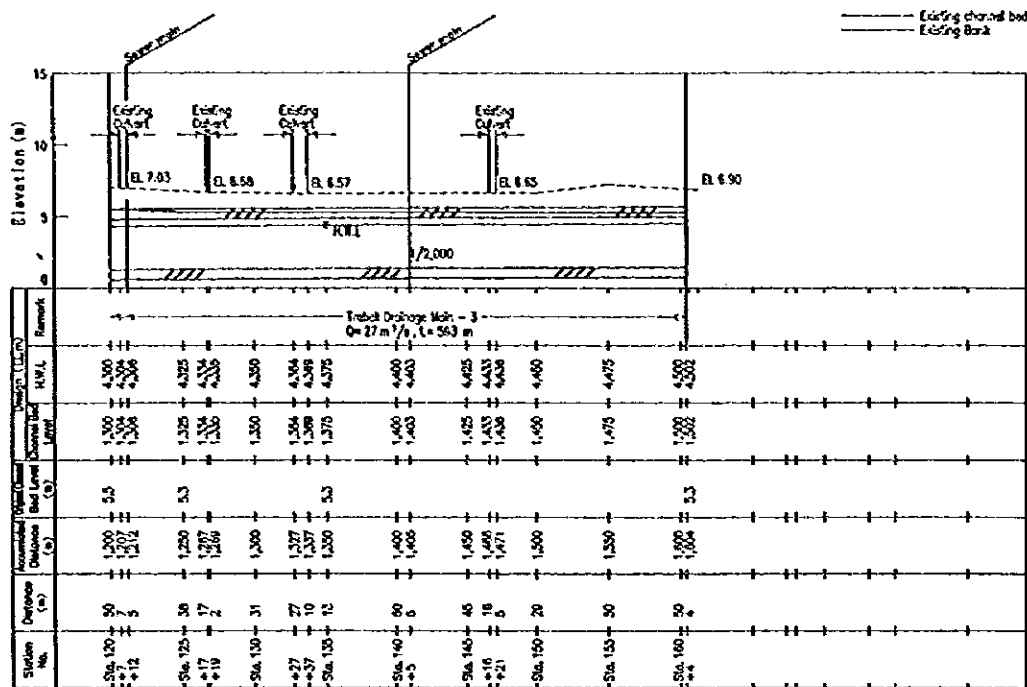
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Figure D3-17
Layout of Trabek Pumping Station and Regulation Pond



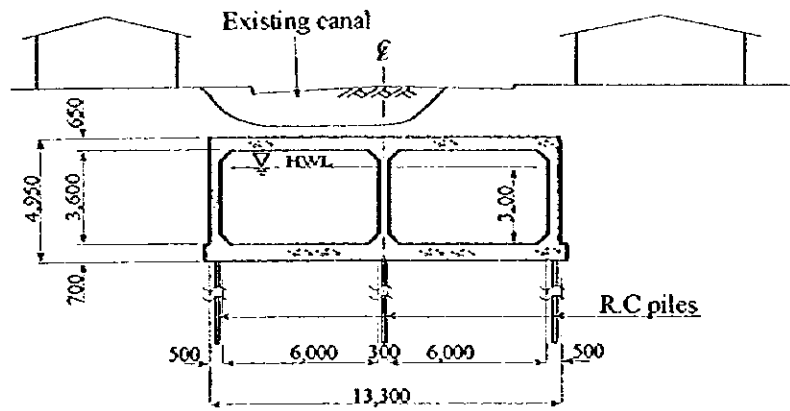
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Figure D3-18
Profile of Trabeck Drainage Main (1/2)

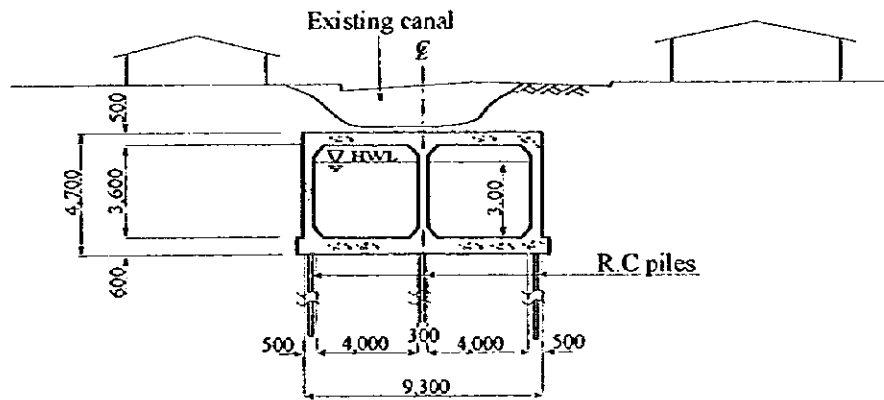


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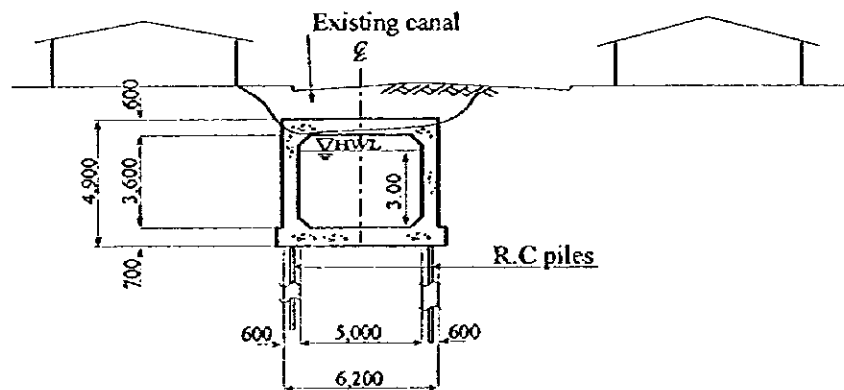
Figure D3-18
 Profile of Trabeek Drainage Main (2/2)



Trabek-1 Sta. 0 ~ Sta. 65+20.0



Trabek-2 Sta. 65+20.0 ~ Sta. 100+11.0

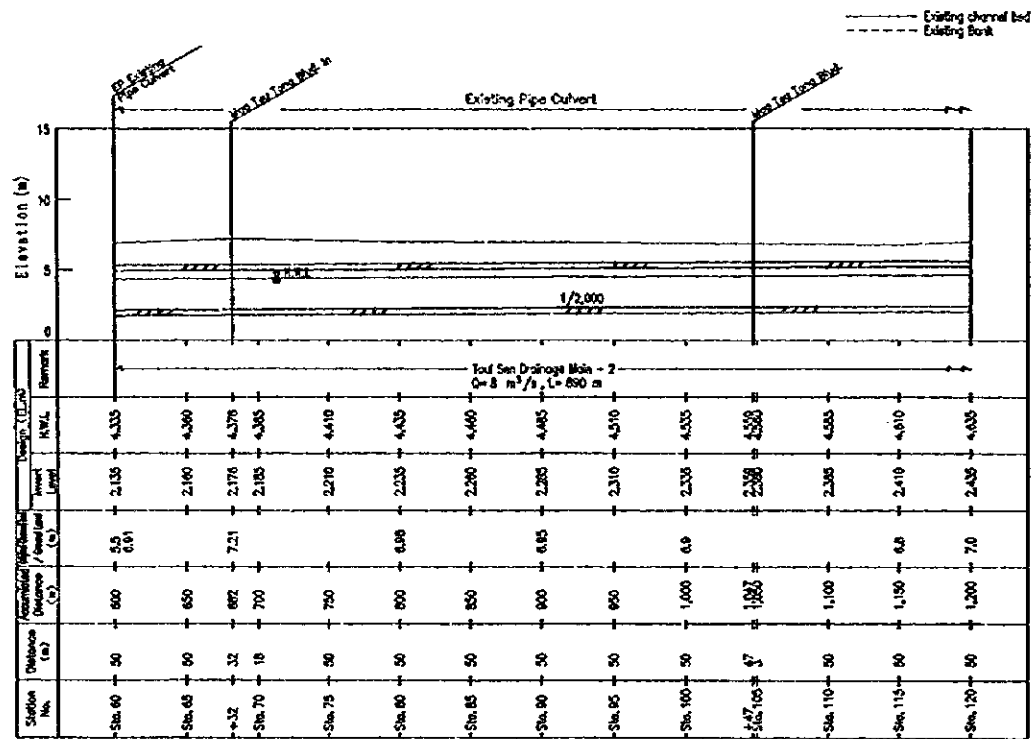
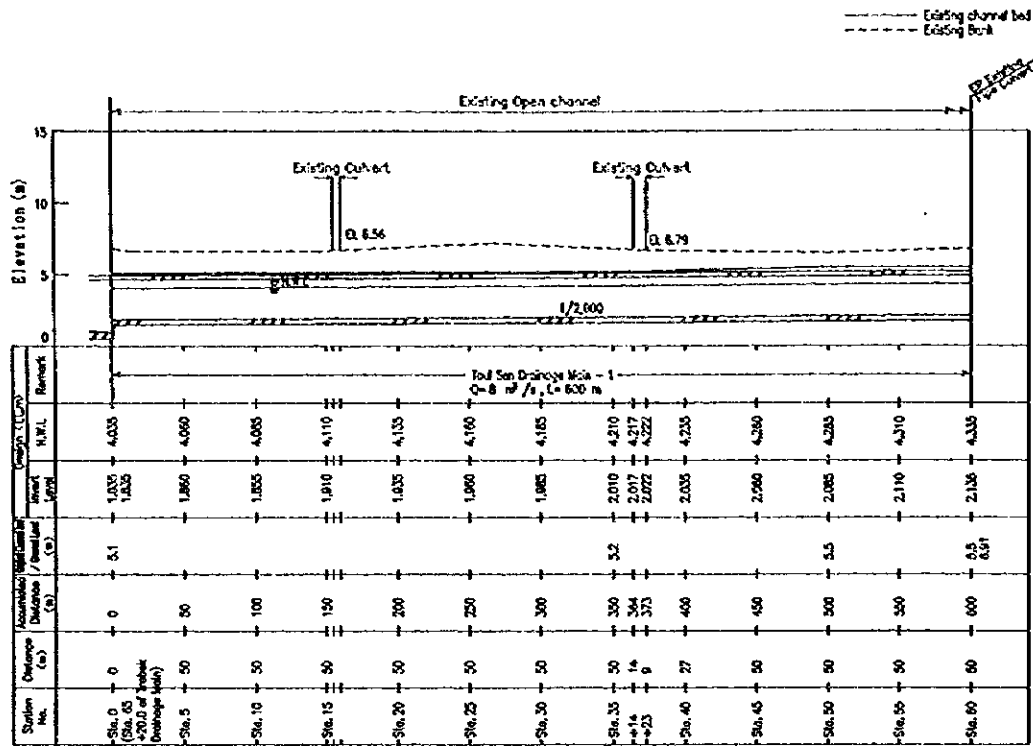


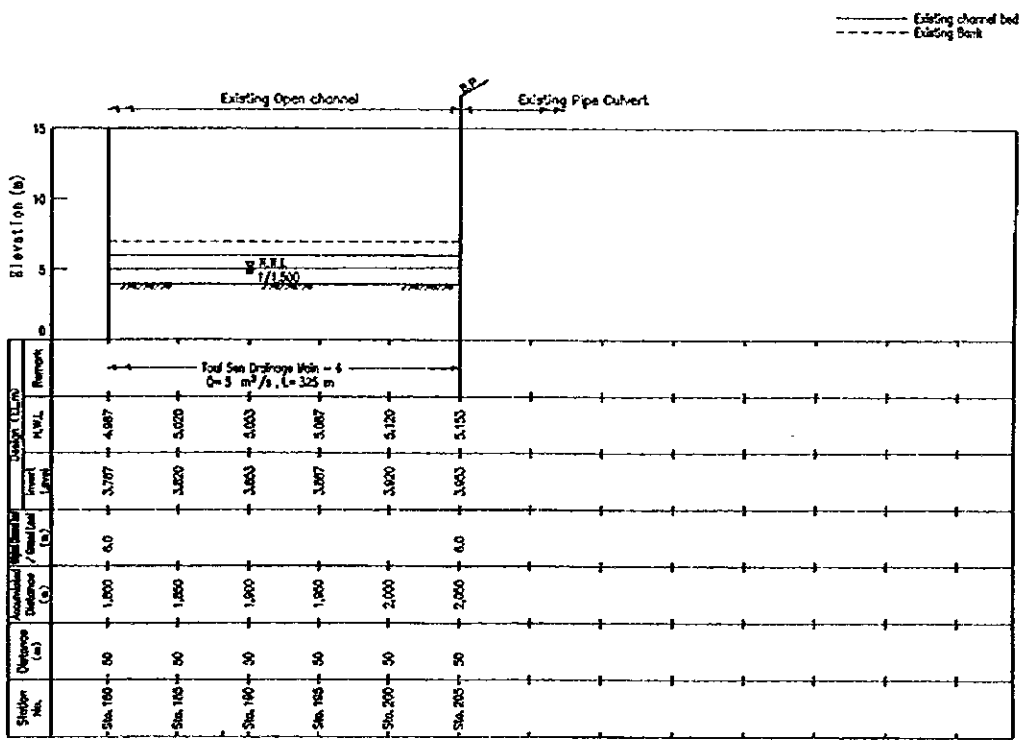
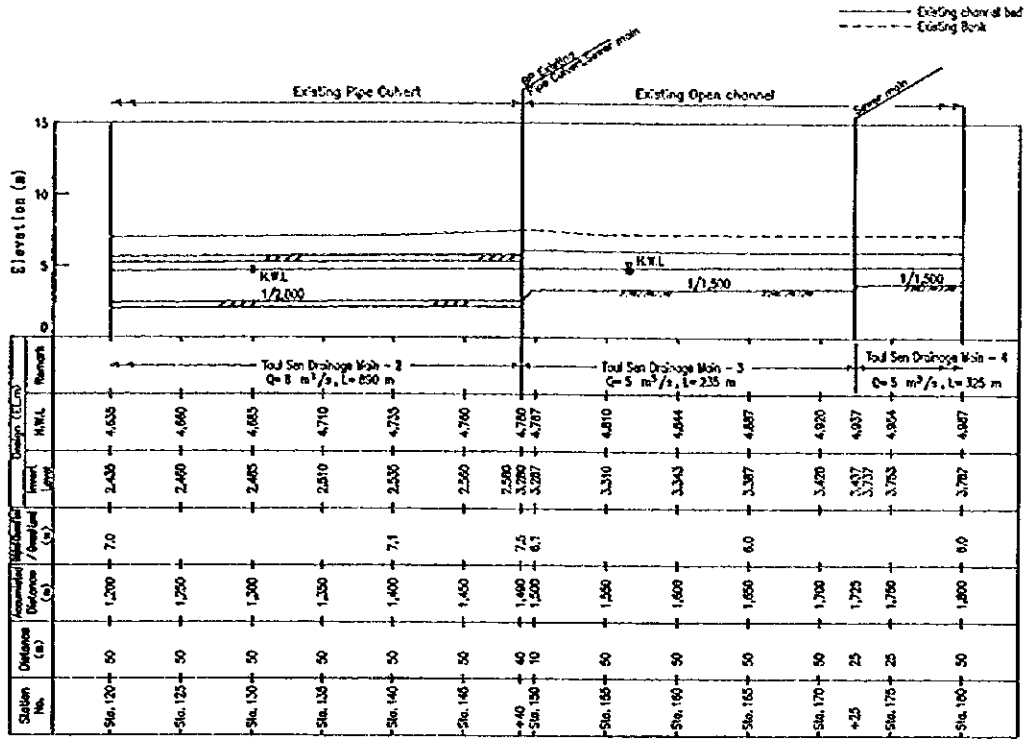
Trabek-3 Sta. 100+11.0 ~ Sta. 160+4.0

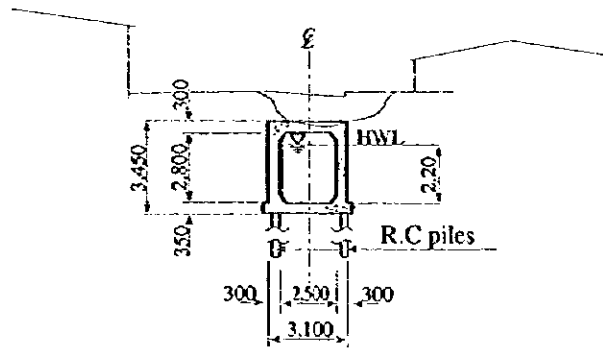


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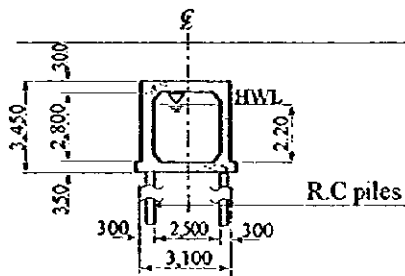
Figure D3-19
Standard Cross-sections of Trabek Drainage Main



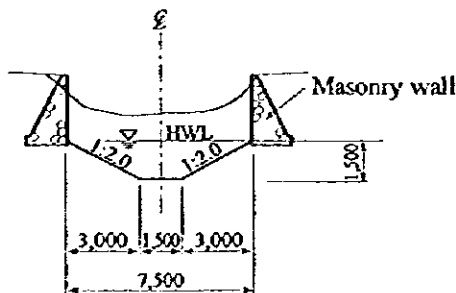




Toul Sen-1 Sta.0 ~ Sta.60



Toul Sen-2 Sta.60 ~ Sta.145+40

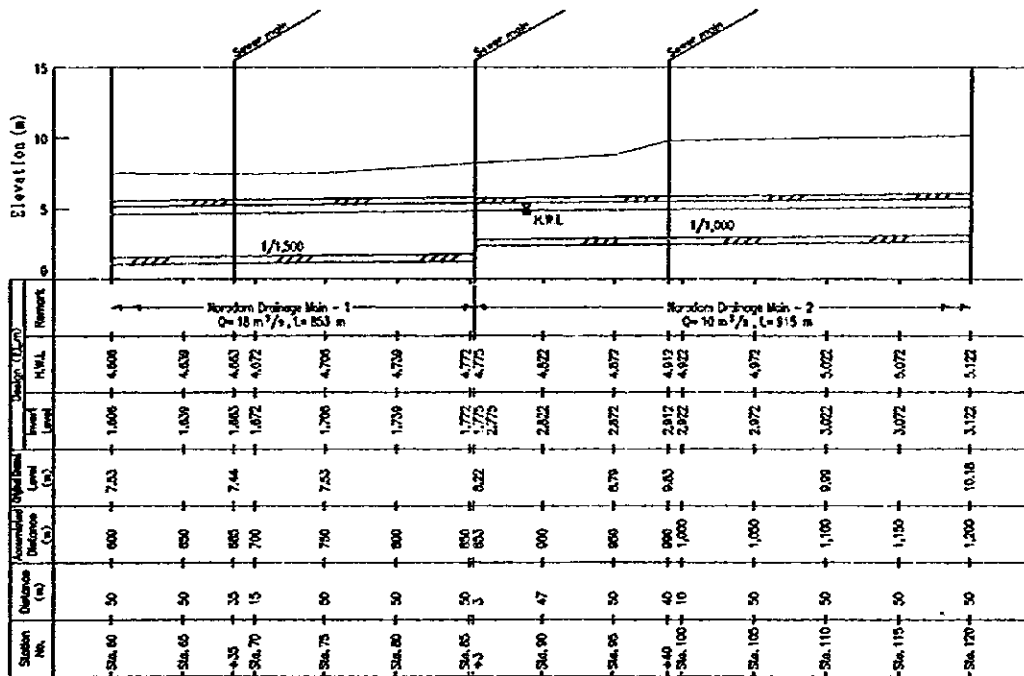
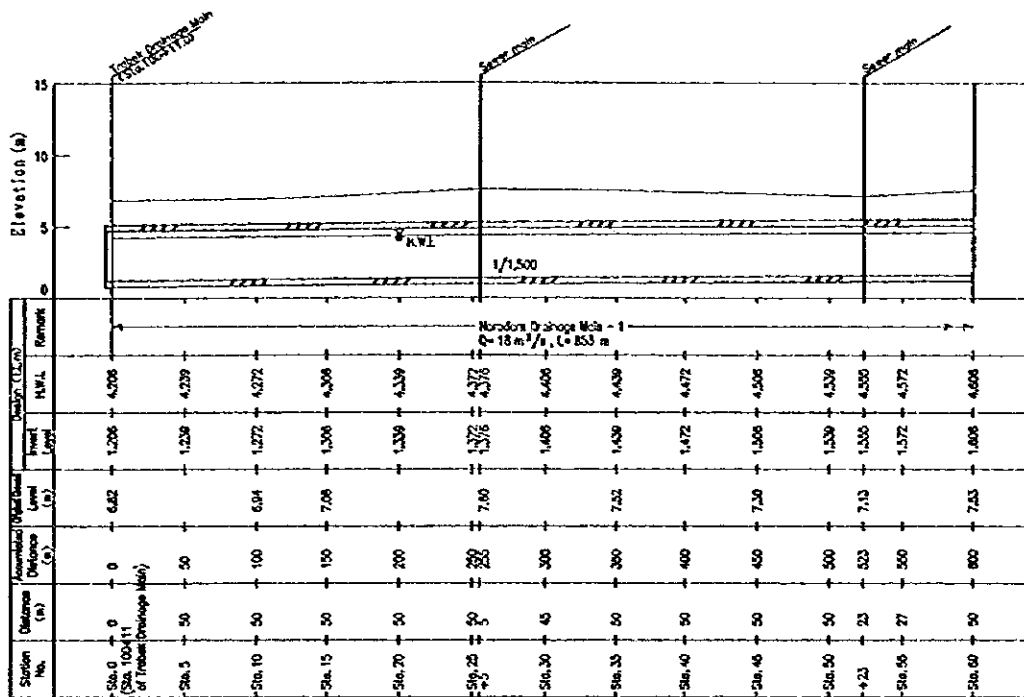


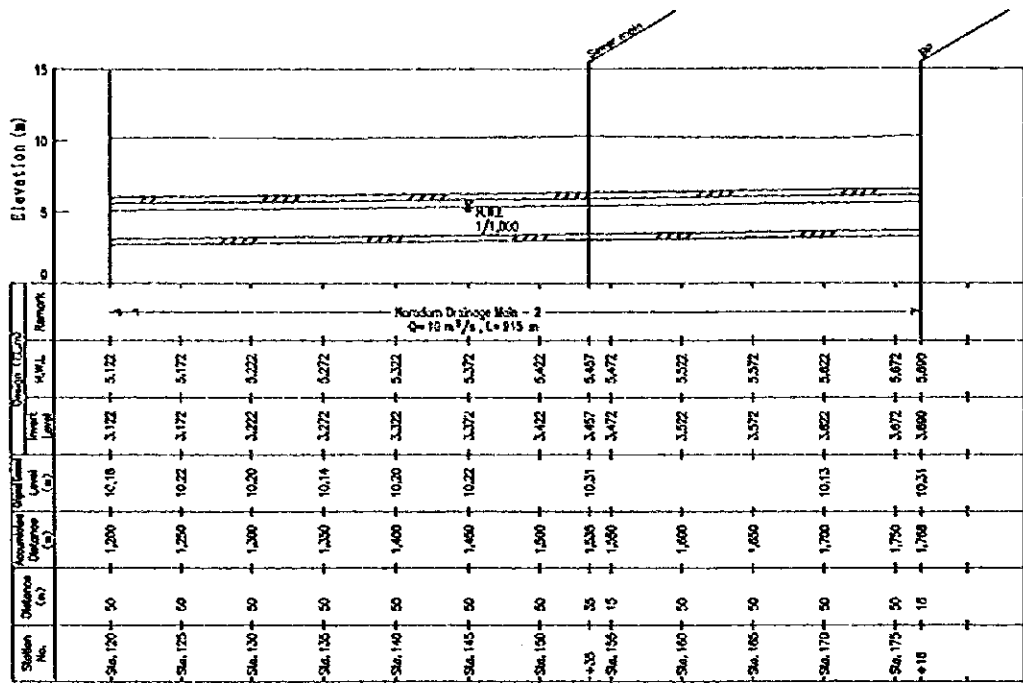
Toul Sen-3 Sta.145+40.0 ~ Sta.205



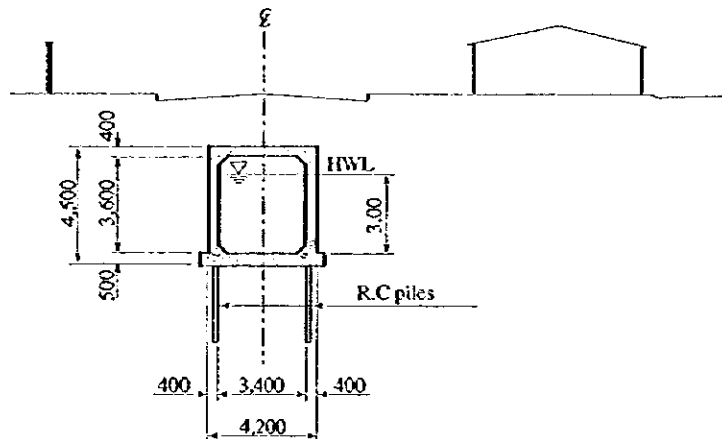
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Figure D3-21
Standard Cross-sections of Toul Sen Drainage Main

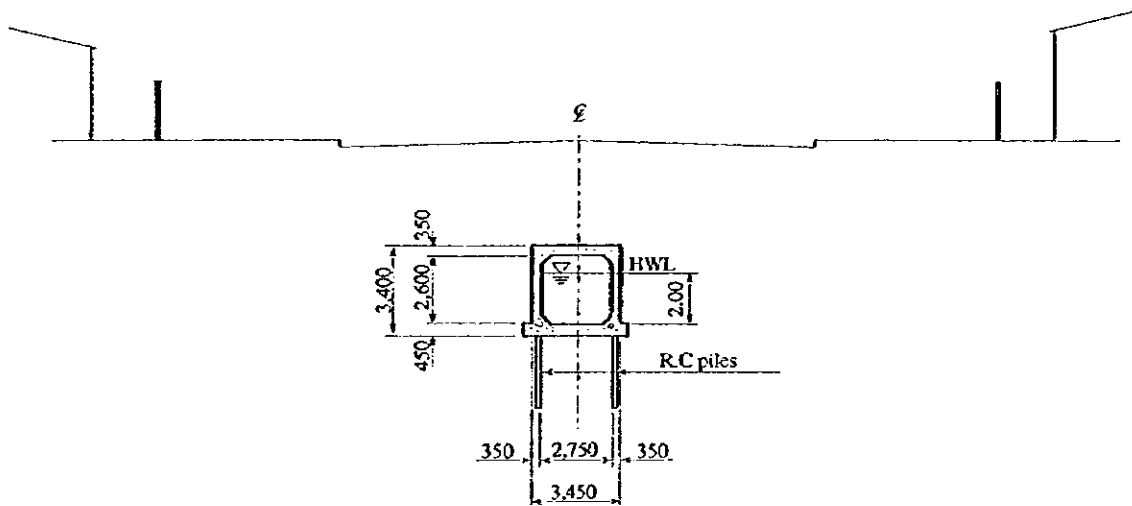




Station No.	Distance (m)	Accumulated Depth (cm)	Water Level (m)		Remark
			Inst. W.L.	K.W.L.	
-Sta. 120	50	1,200	10.18	5.172	
-Sta. 125	50	1,250	10.22	5.172	
-Sta. 130	50	1,300	10.20	5.222	
-Sta. 135	50	1,350	10.14	5.272	
-Sta. 140	50	1,400	10.20	5.322	
-Sta. 145	50	1,450	10.22	5.372	
-Sta. 150	50	1,500		5.422	
+Sta. 155	35	1,535	10.31	5.457	
-Sta. 155	15	1,550		5.472	
-Sta. 160	50	1,600		5.522	
-Sta. 165	50	1,650		5.572	
-Sta. 170	50	1,700	10.13	5.622	
-Sta. 175	50	1,750		5.672	
+18	10	1,760	10.31	5.699	

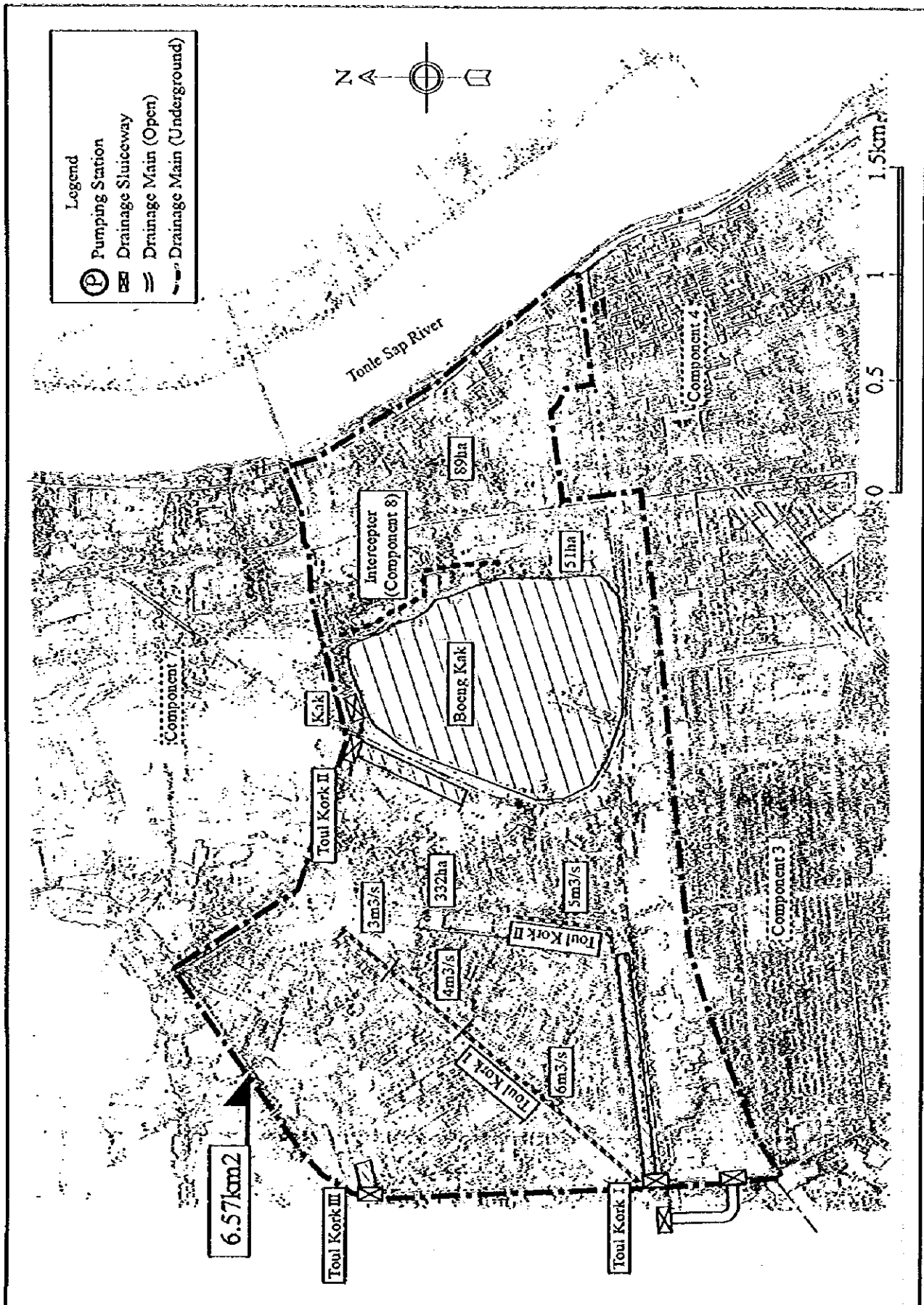


Norodom-1 Sta.0~Sta.85+3.0



Norodom-2 Sta.85+3.0~Sta.175+18.0





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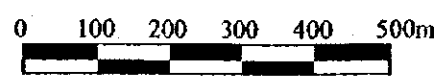
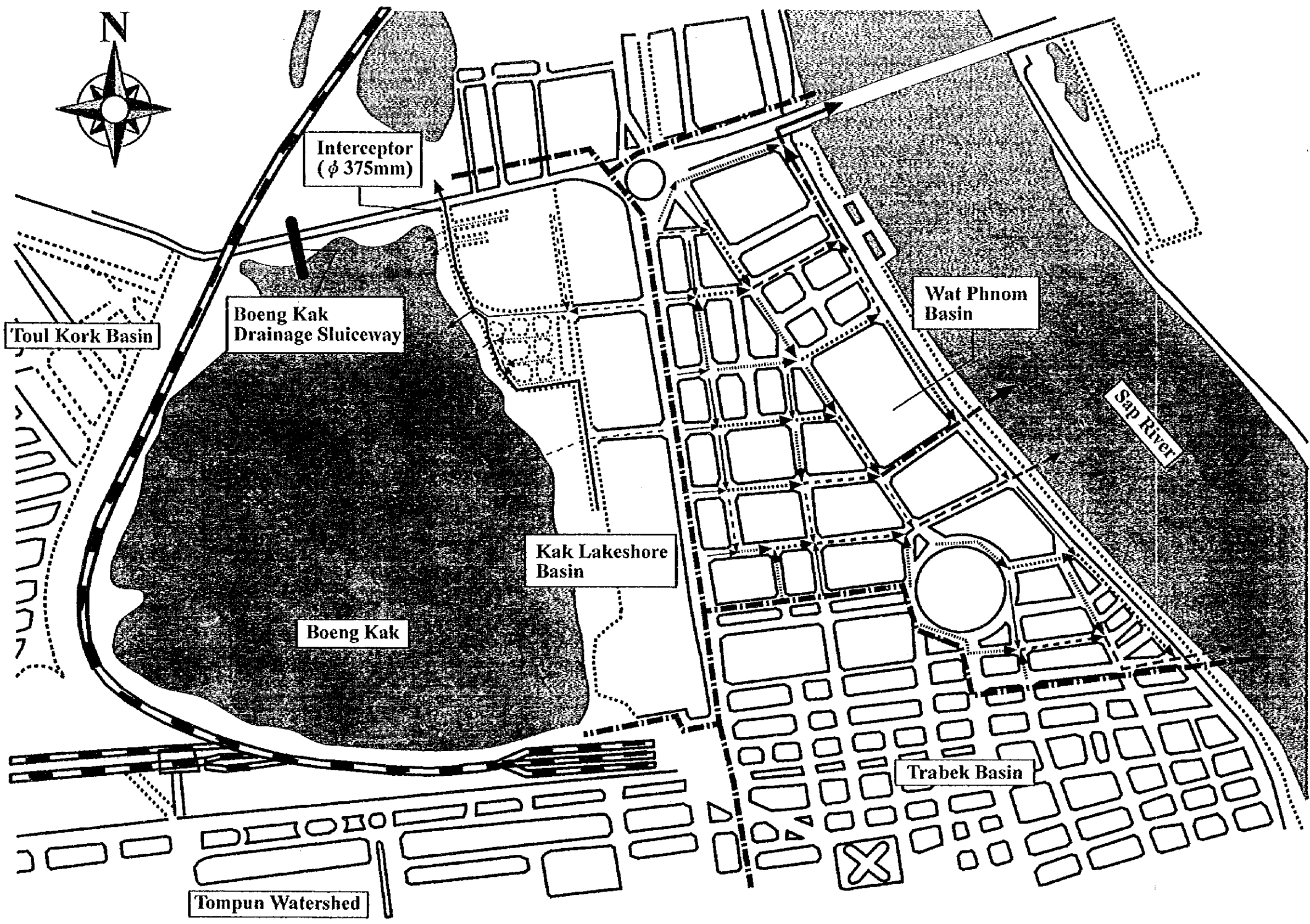
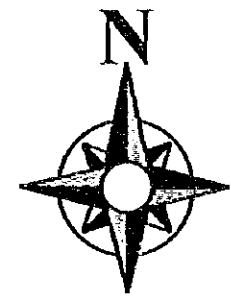
Figure D3-24
Facility Layout for Components 5: City Core North
Area Drainage Improvement

Key Map



Legend

- 1,800mm →
- 1,650mm →
- 1,500mm →
- 1,350mm →
- 1,200mm →
- 1,050mm →
- 900mm →
- 750mm →
- 600mm →
- 450mm →
- 375mm →
- Interceptor (375mm) →



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Fig. D3-25
Sewer Rehabilitation in Wat Phnom
and Kak Lakeshore Basins

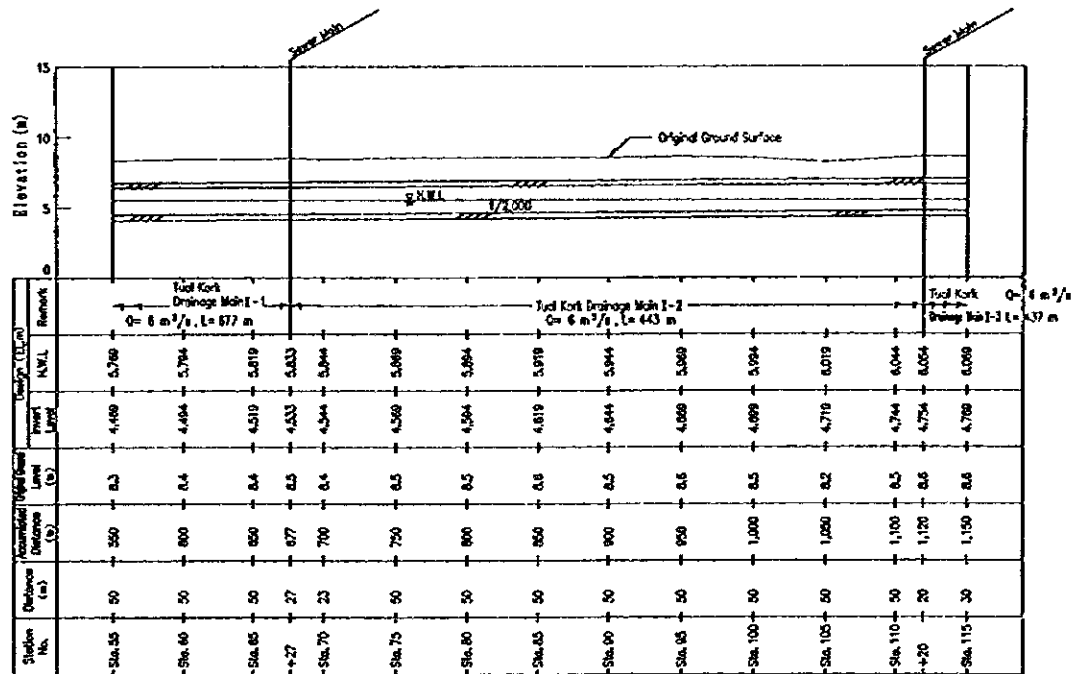
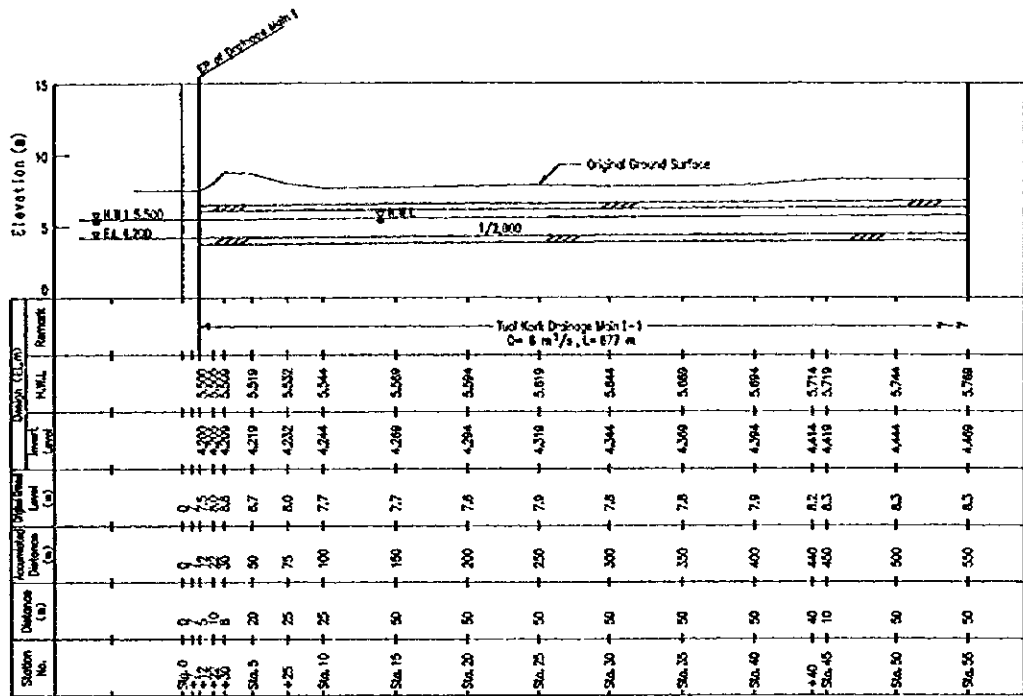
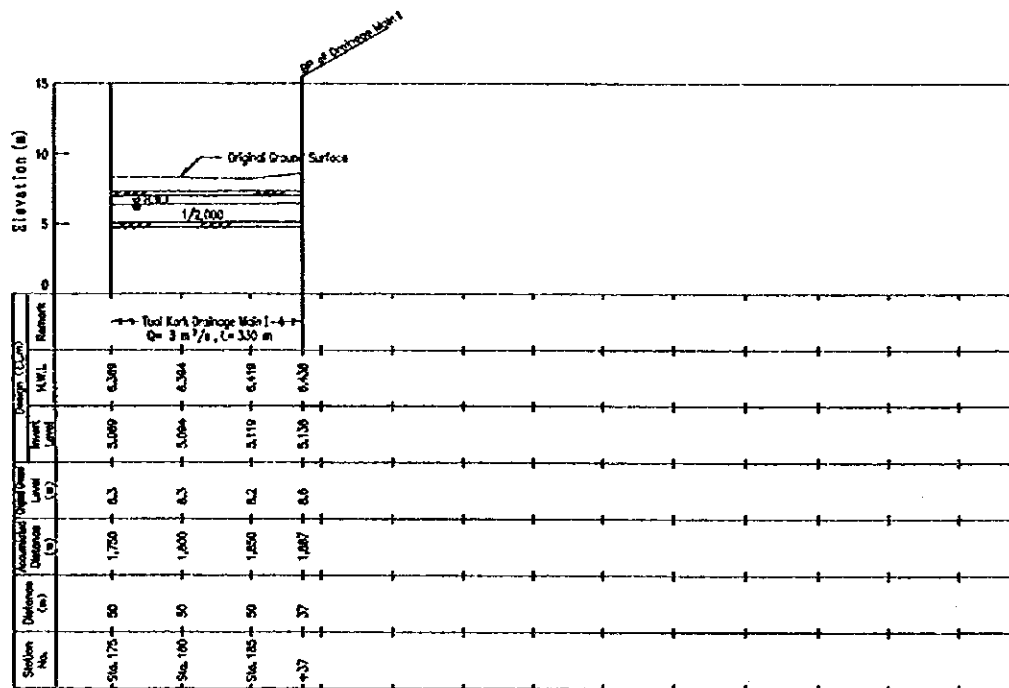
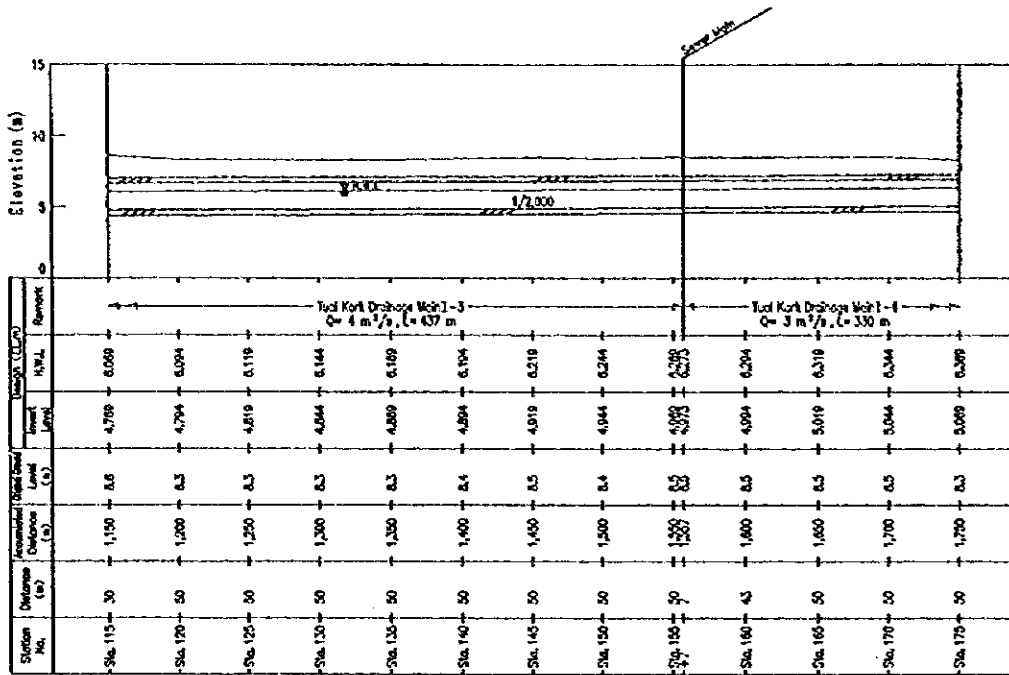
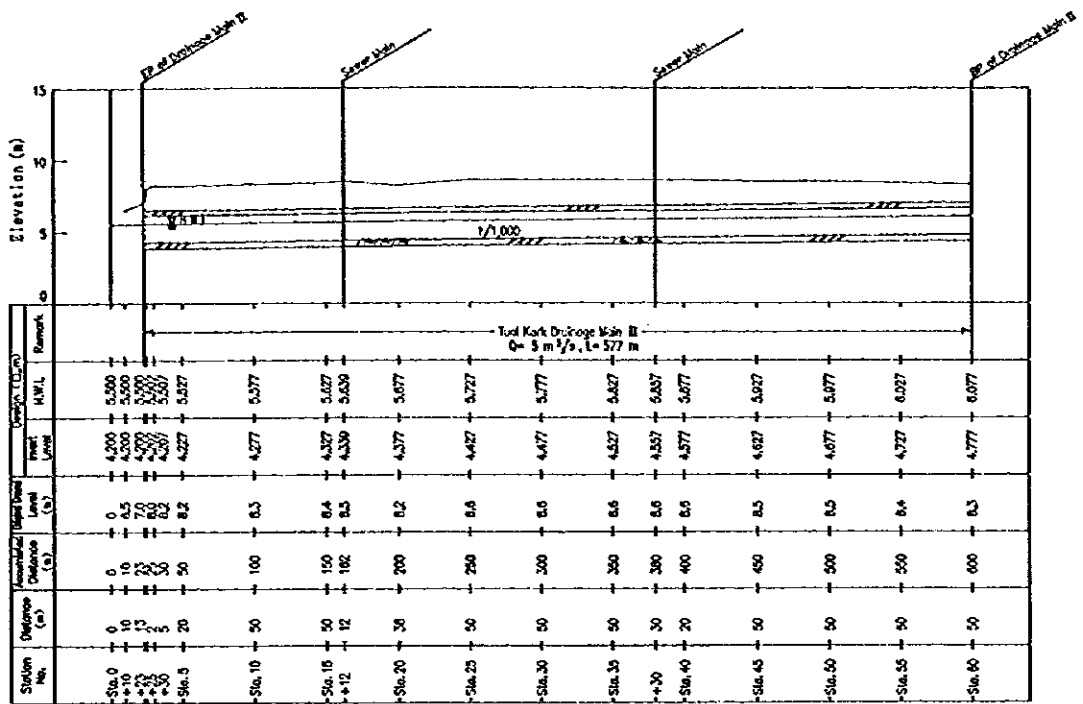


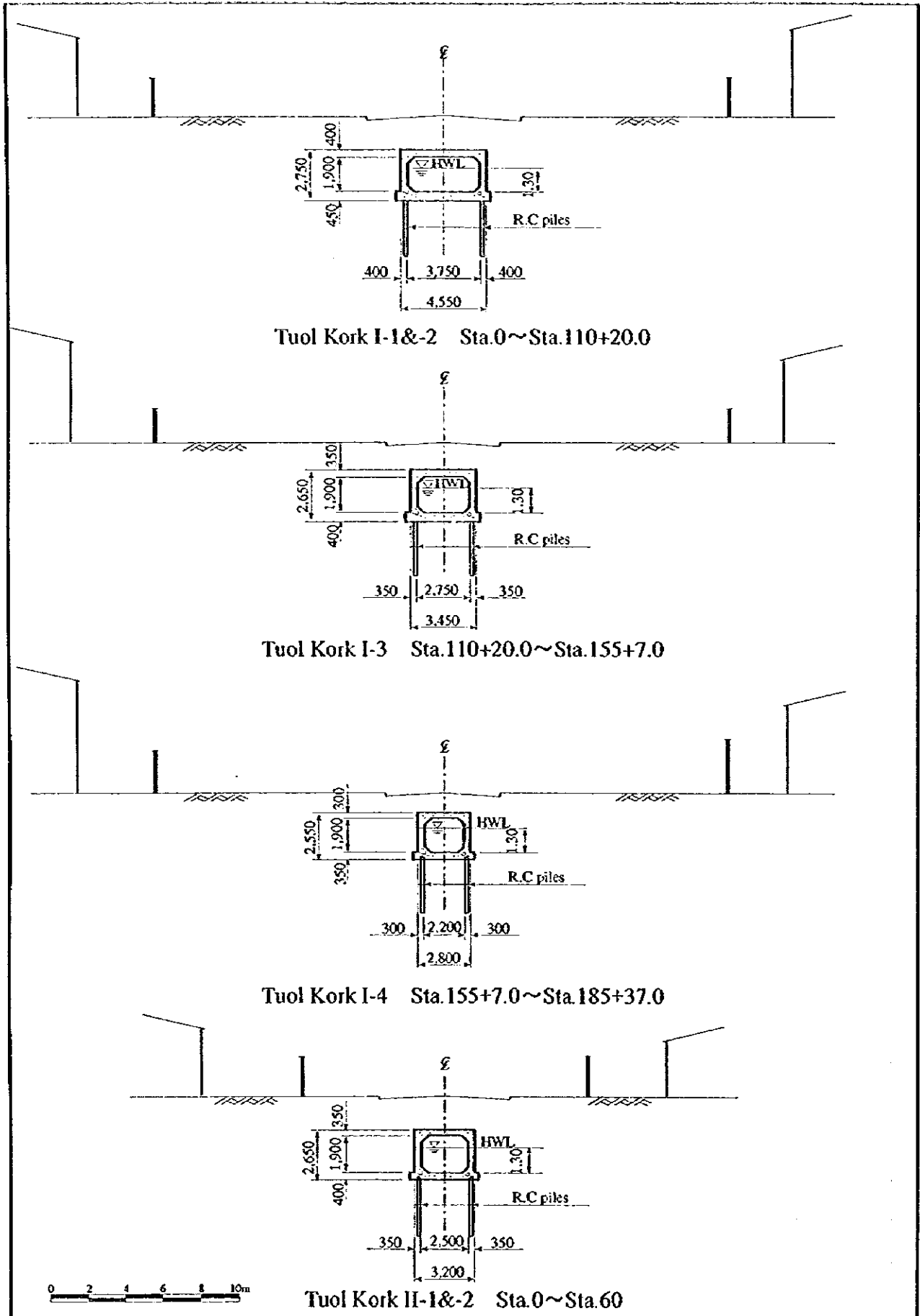
Figure D3-26
 Profile of Tuol Kork Drainage Main I (1/2)





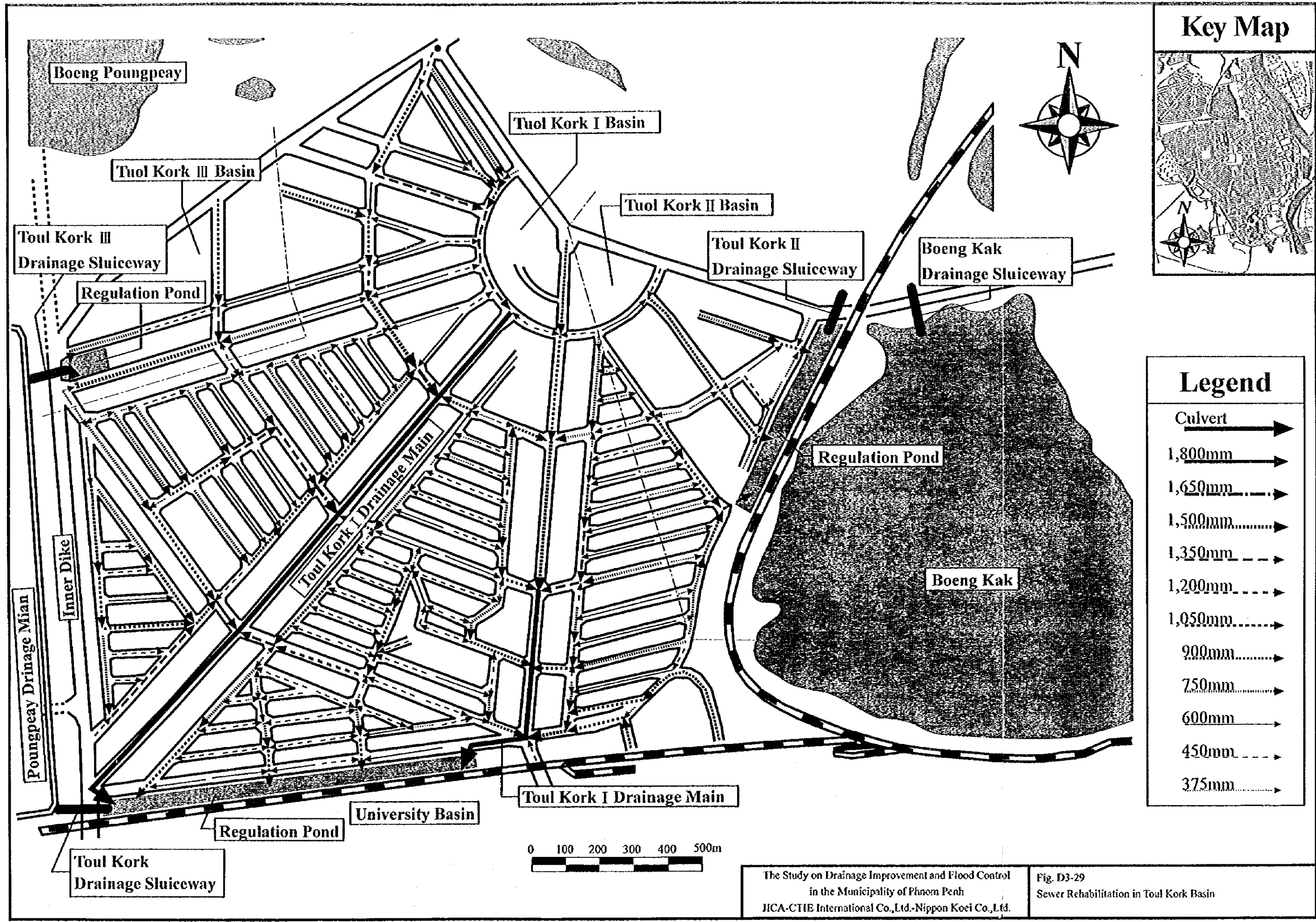
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Figure D3-27
 Profile of Tuol Kork Drainage Main II

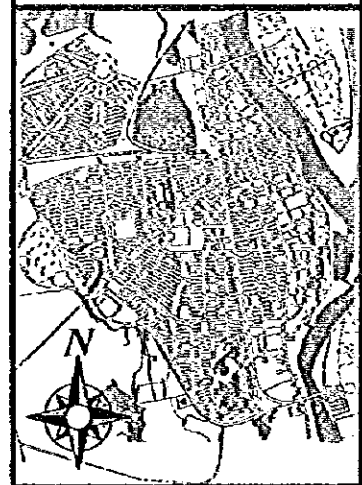


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Figure D3-28
 Standard Cross-sections of Tuol Kork Drainage Mains



Key Map

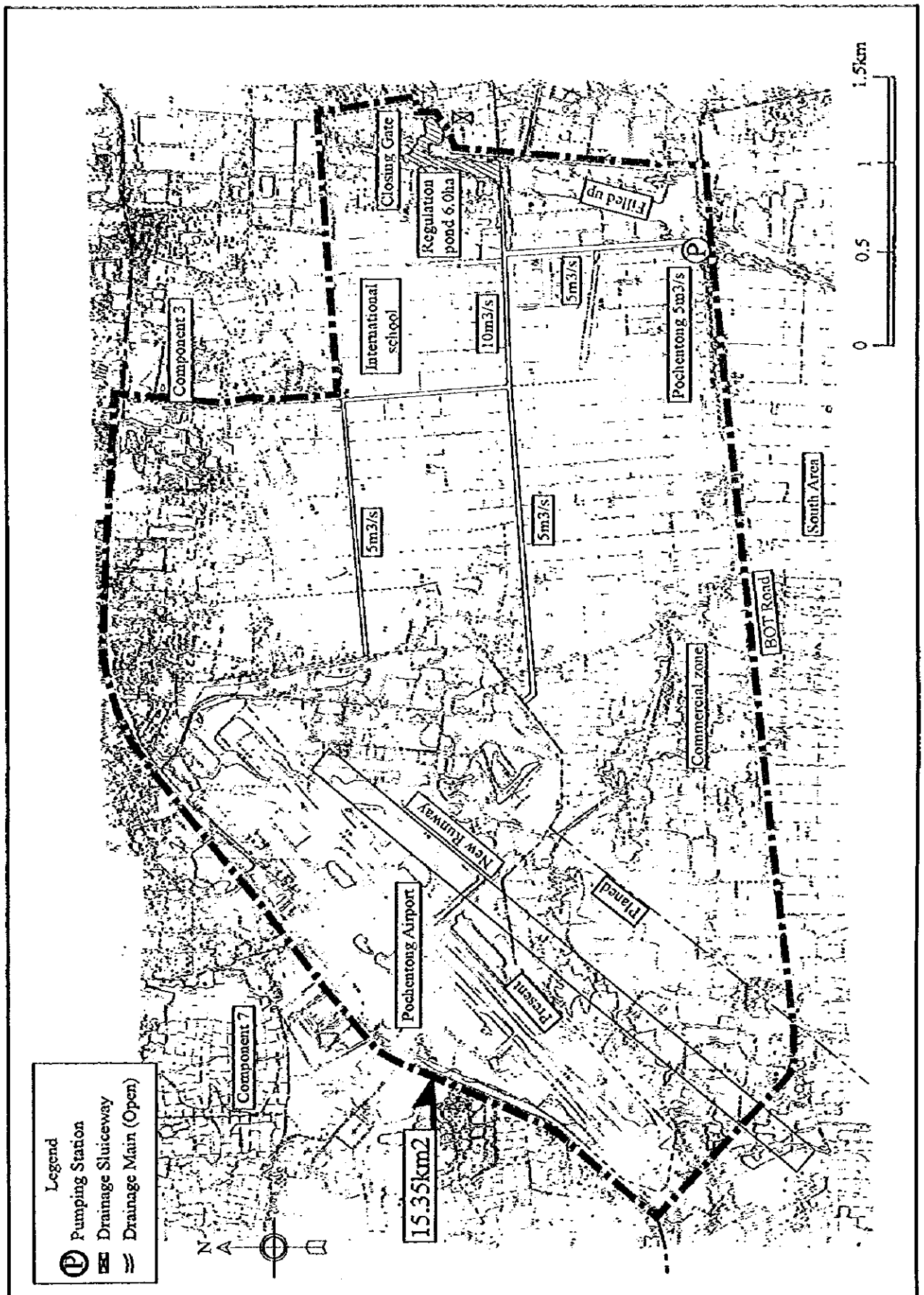


Legend

- Culvert
- 1,800mm
- 1,650mm
- 1,500mm
- 1,350mm
- 1,200mm
- 1,050mm
- 900mm
- 750mm
- 600mm
- 450mm
- 375mm

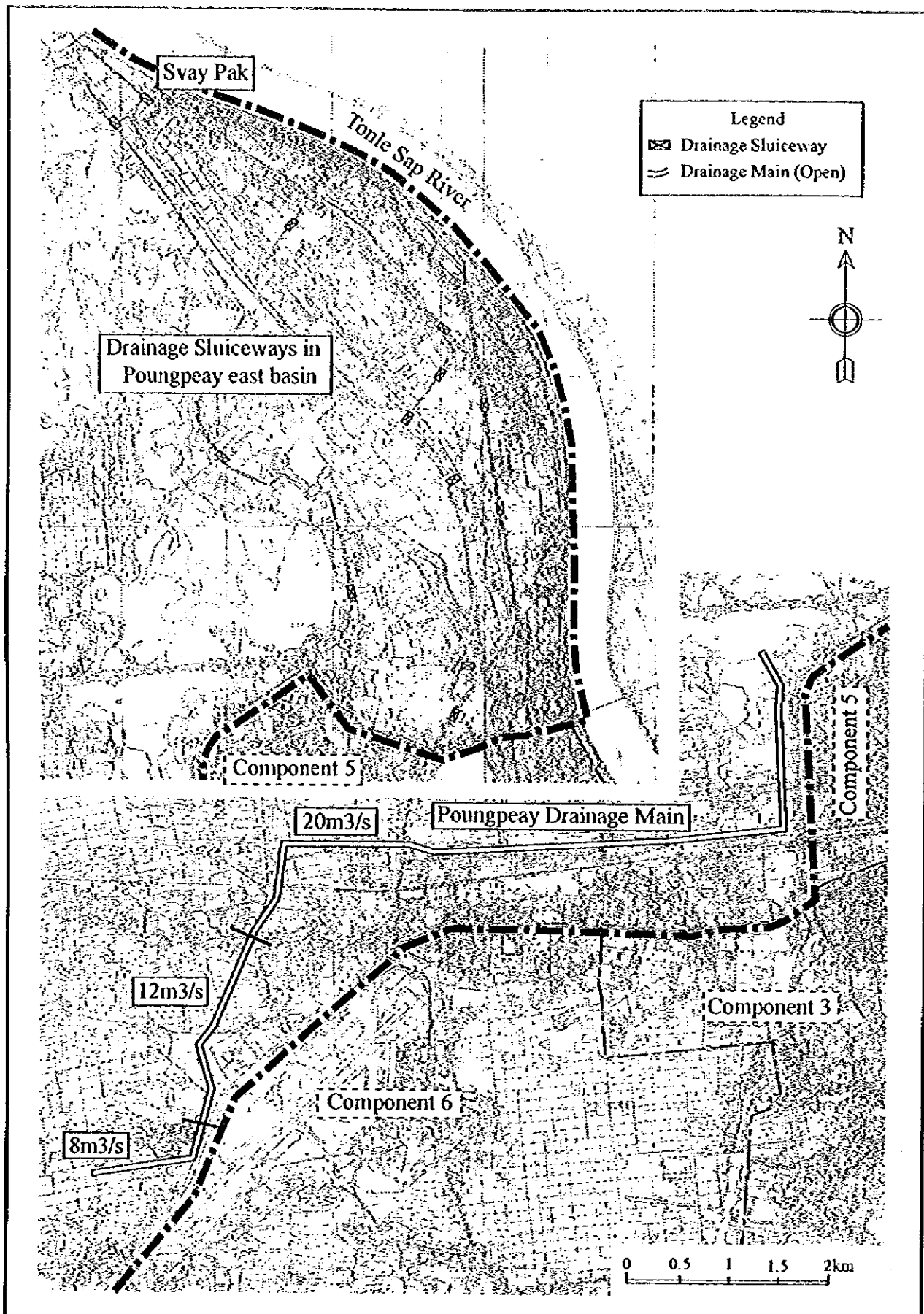
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Fig. D3-29
Sewer Rehabilitation in Toul Kork Basin



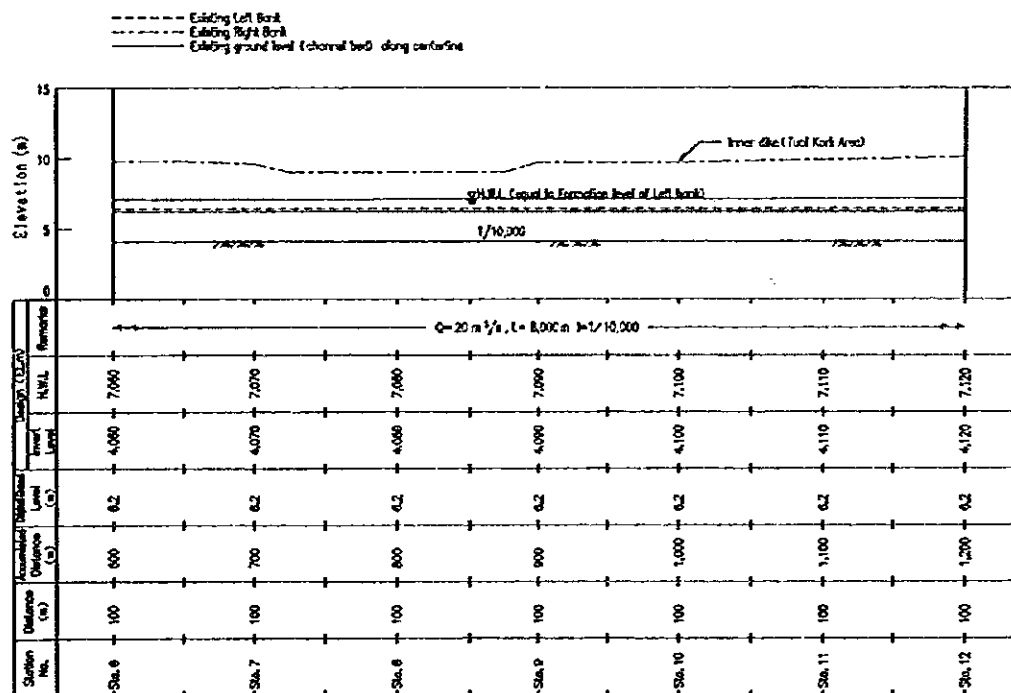
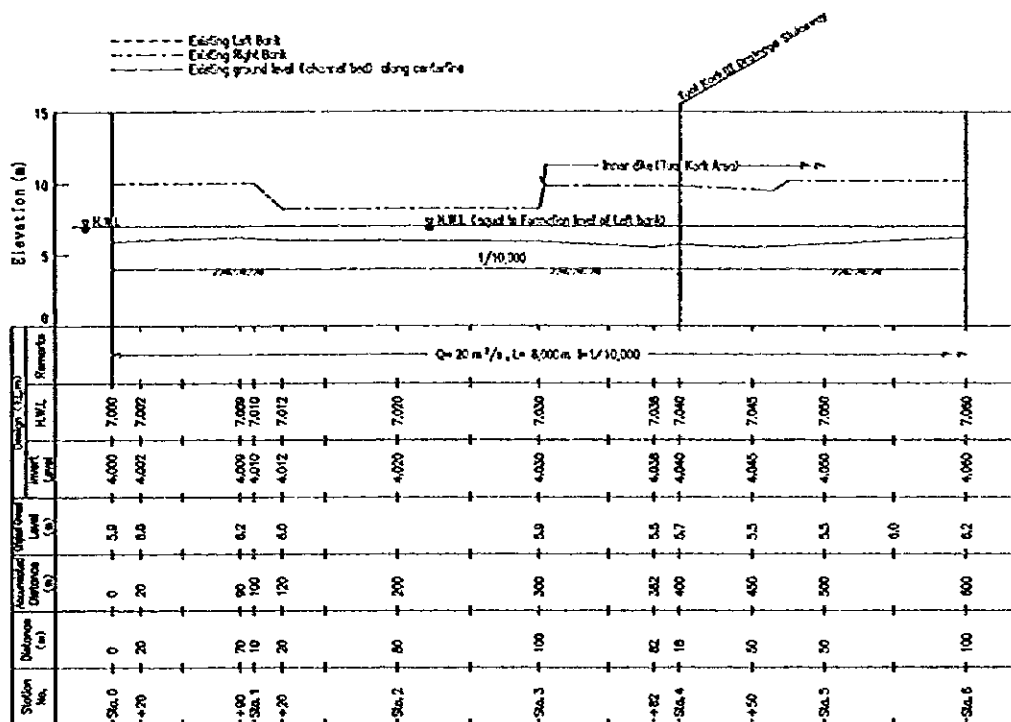
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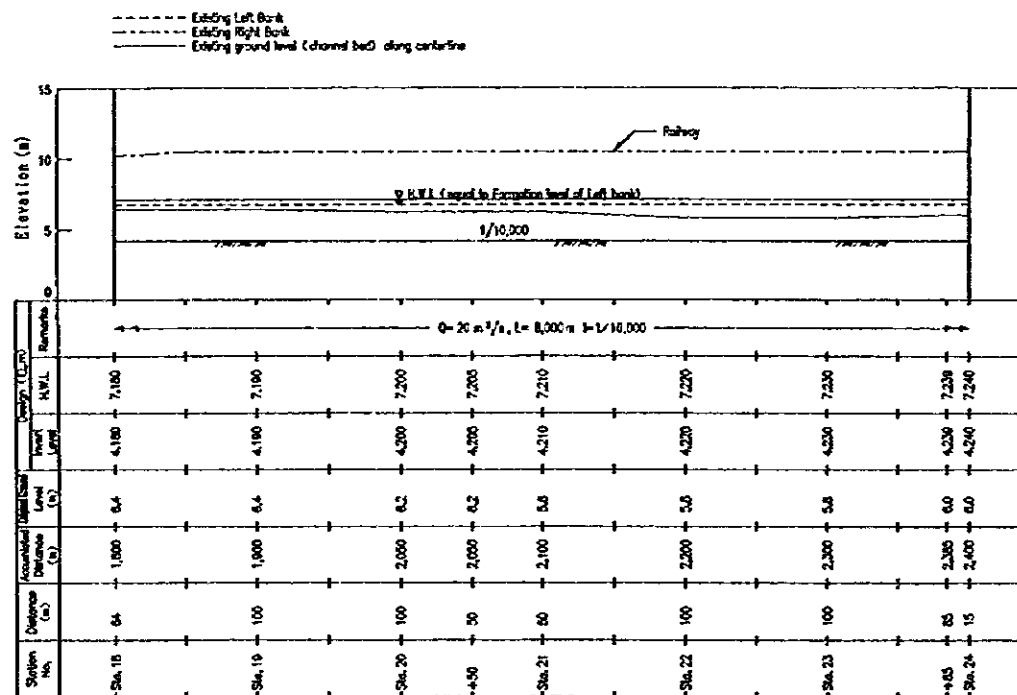
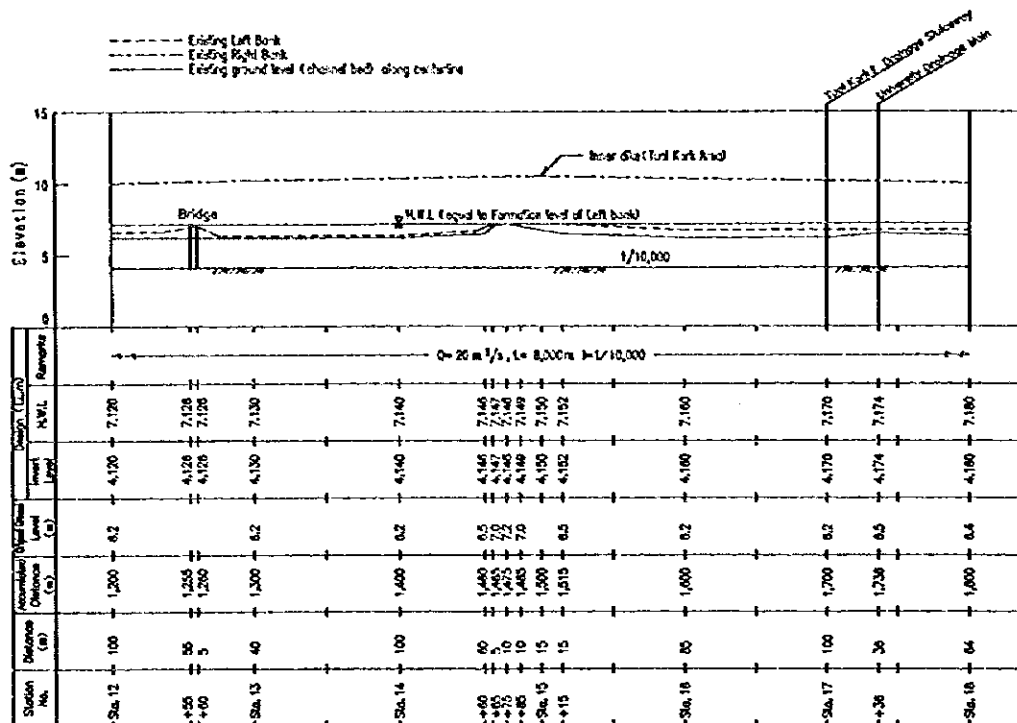
Figure D3-30
 Facility Layout for Component 6: Pochentong
 East Basin Drainage Improvement

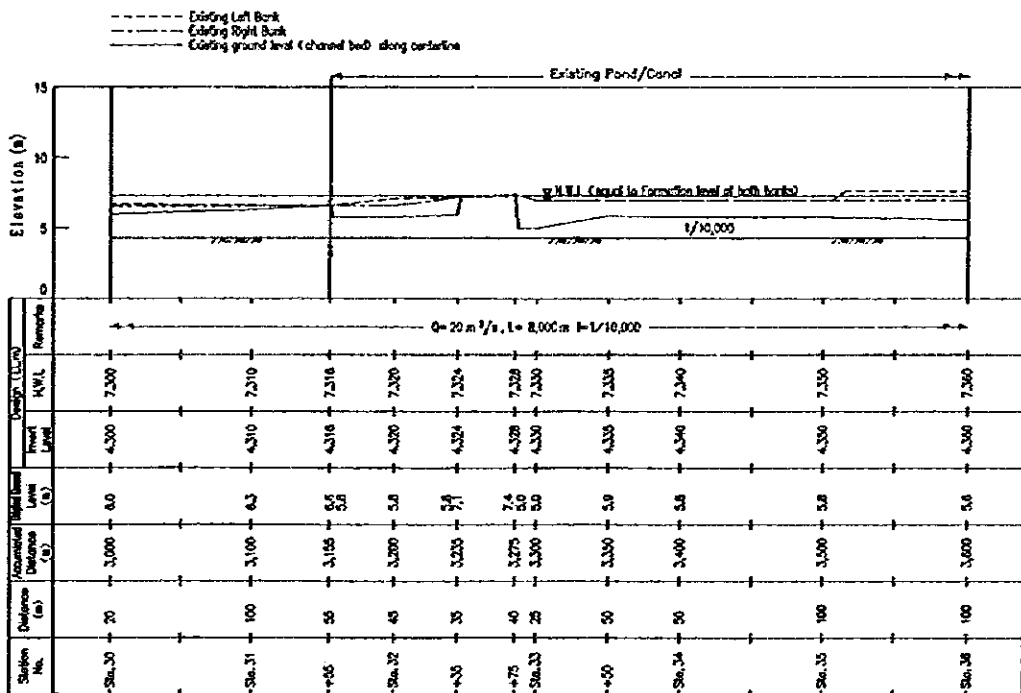
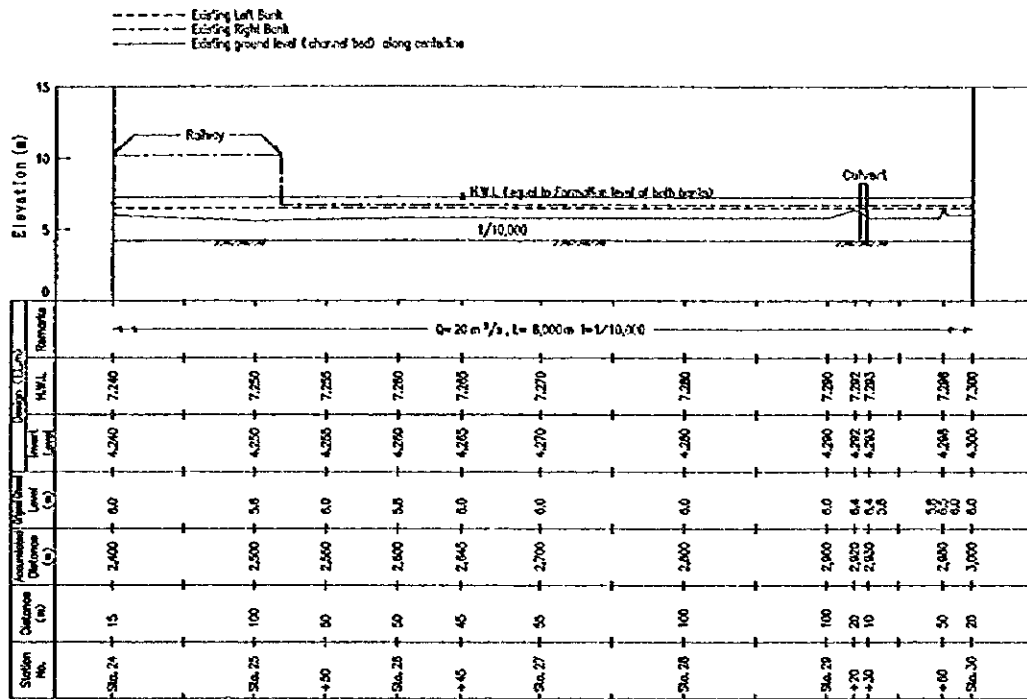


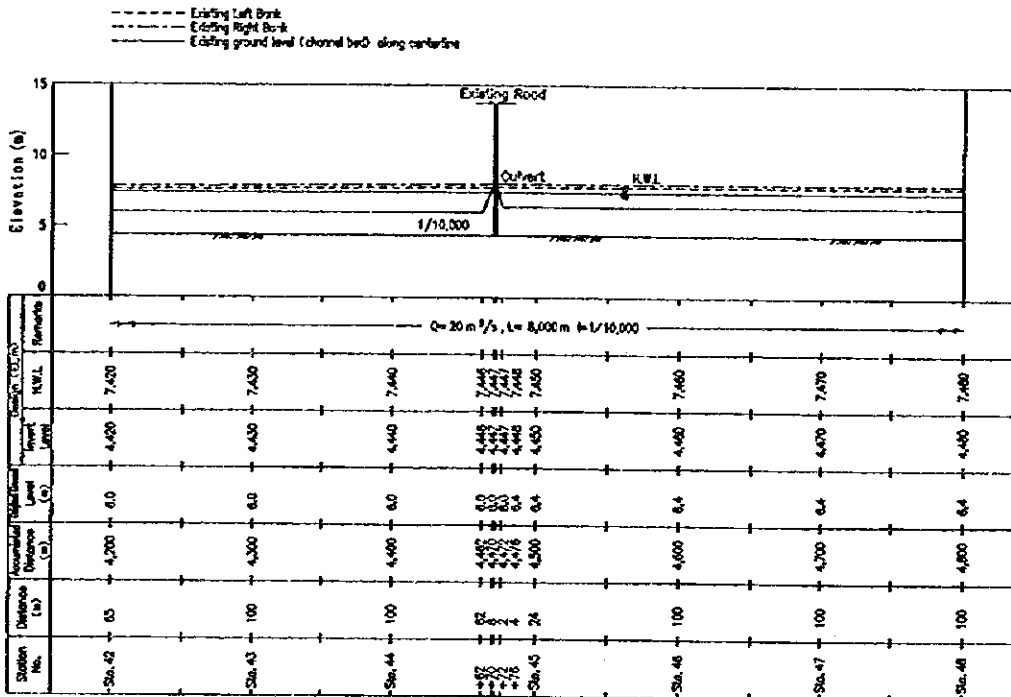
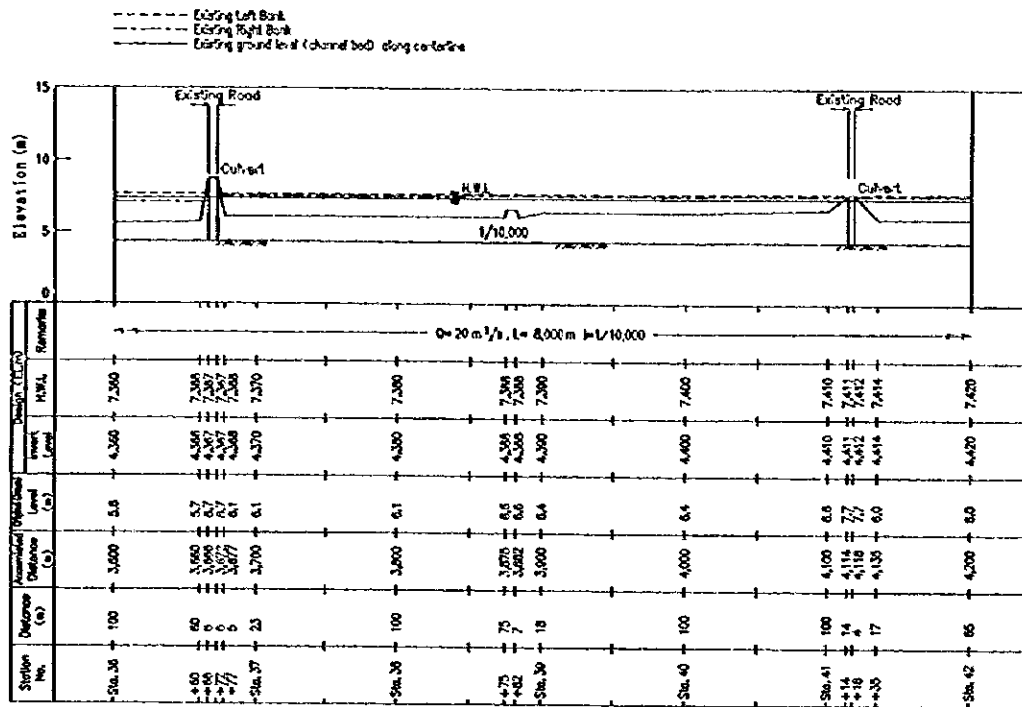
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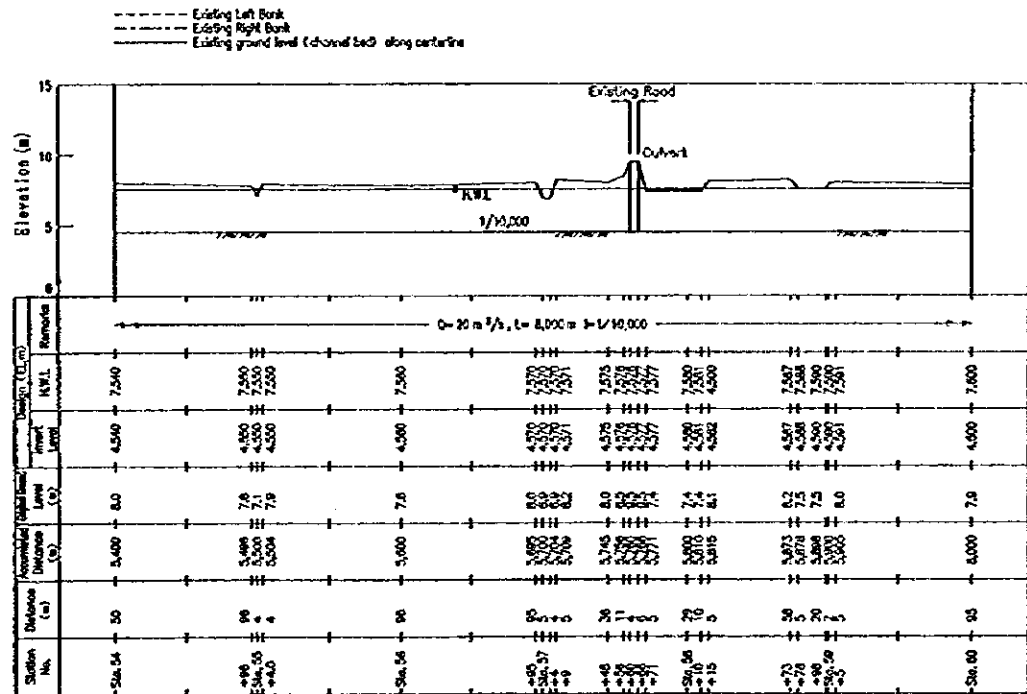
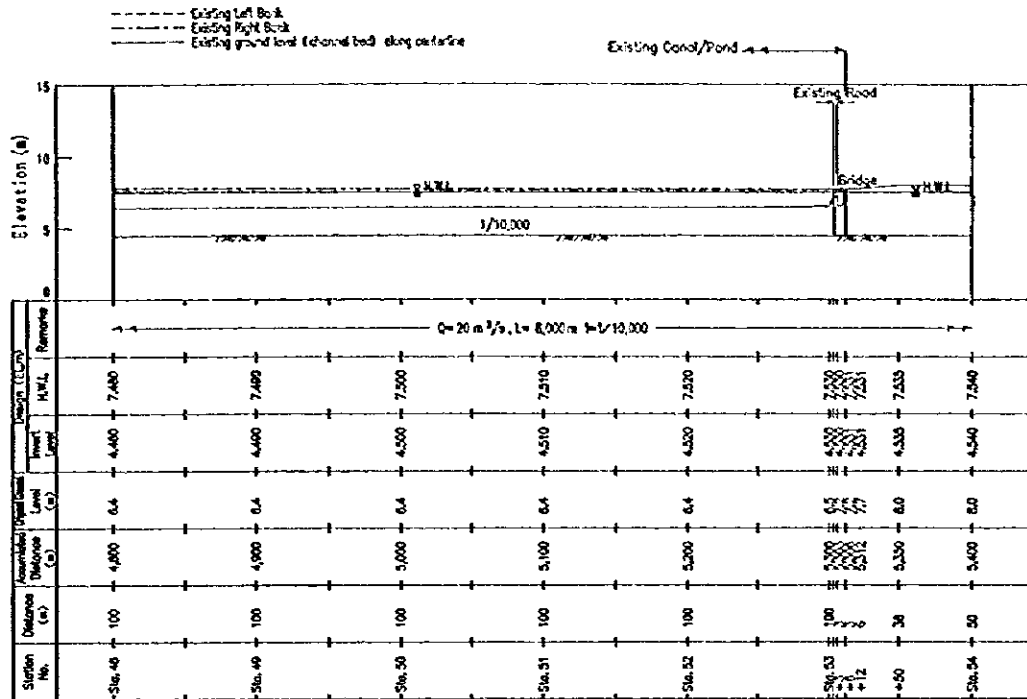
Figure D3-31
 Facility Layout for Component 7: Northeast and
 Northwest areas Drainage Improvement

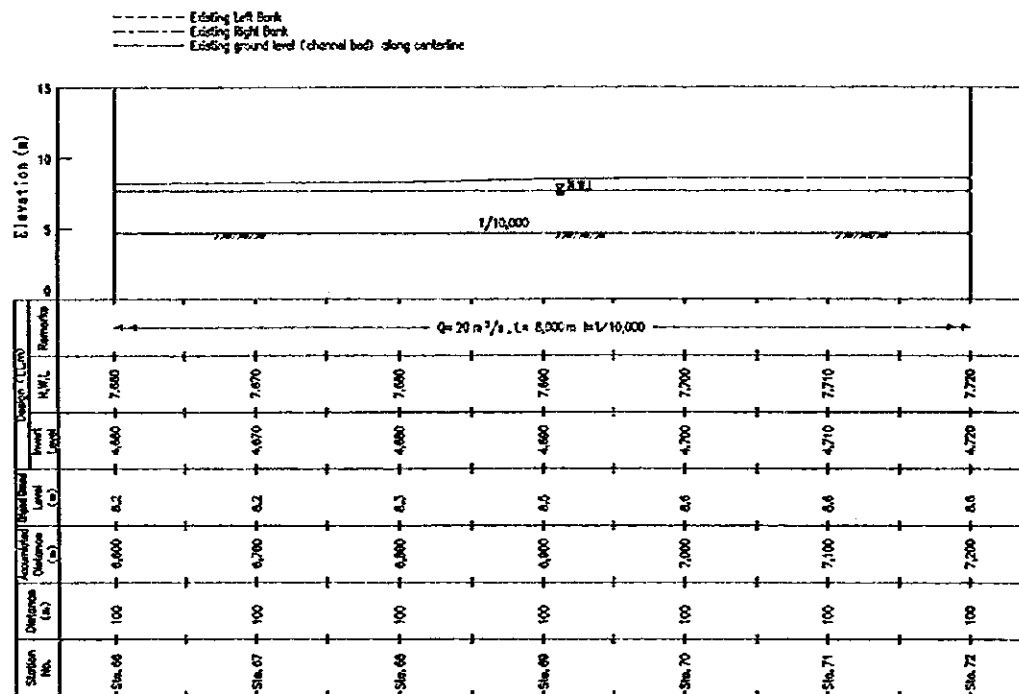
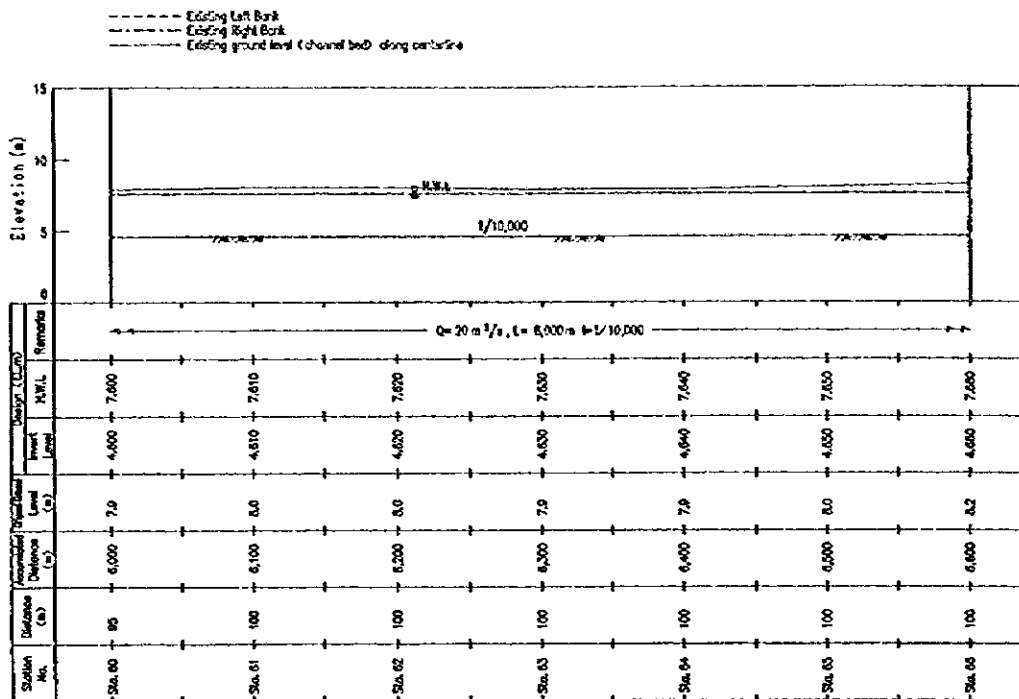












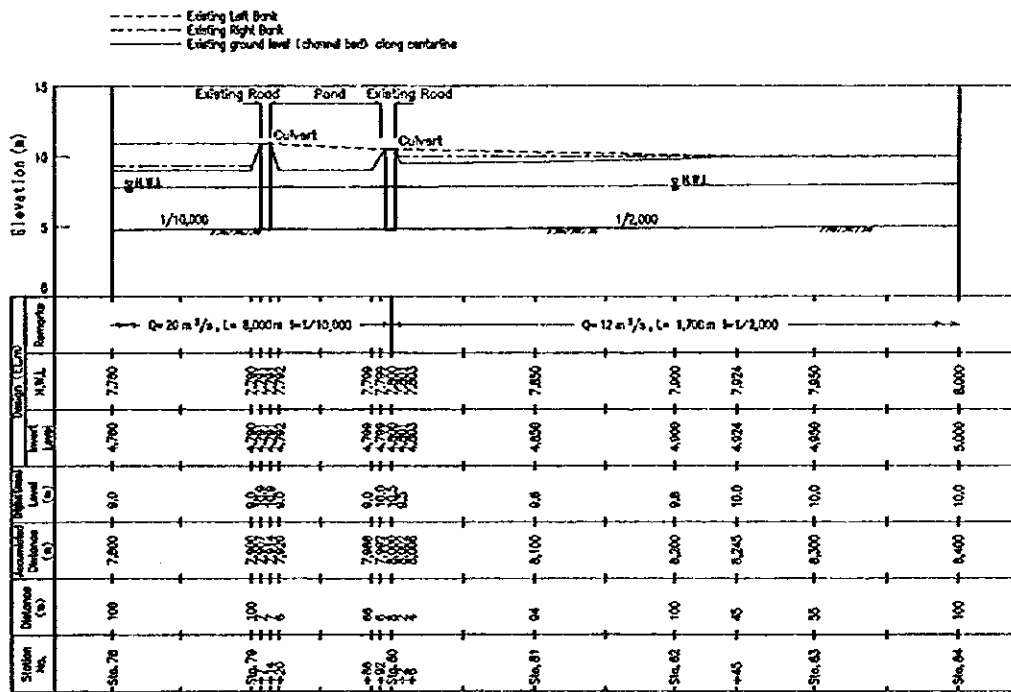
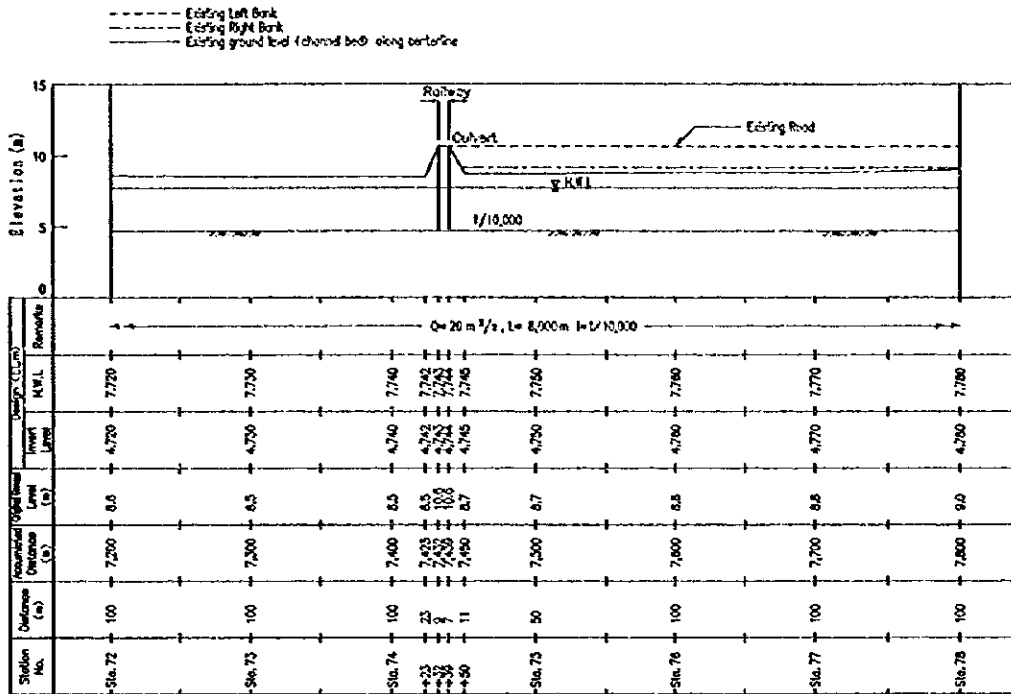
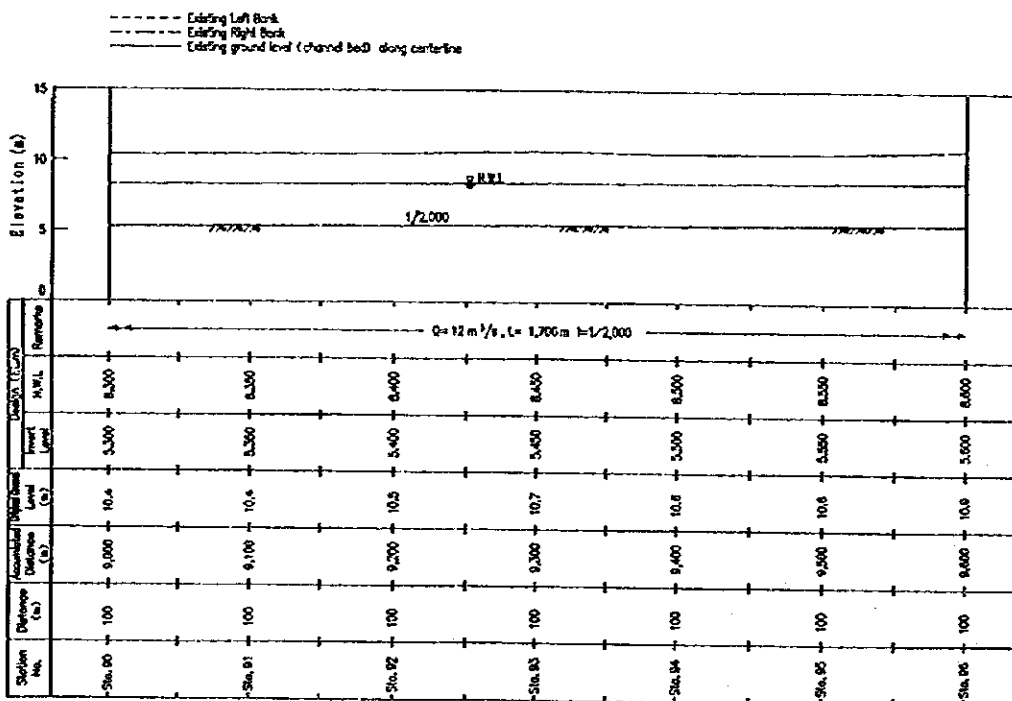
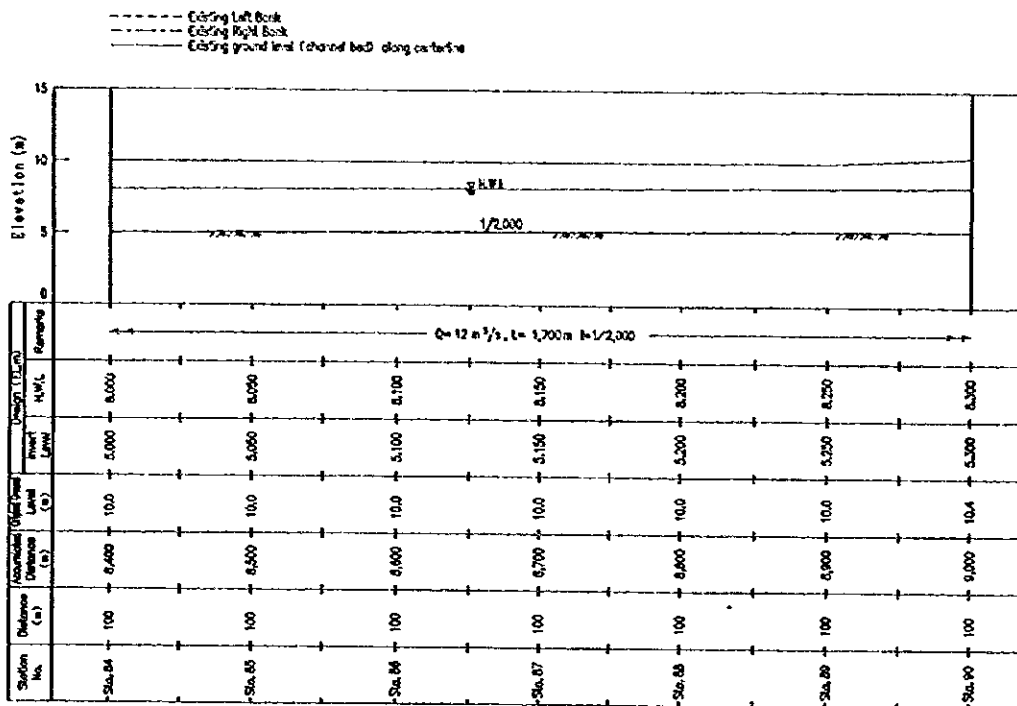
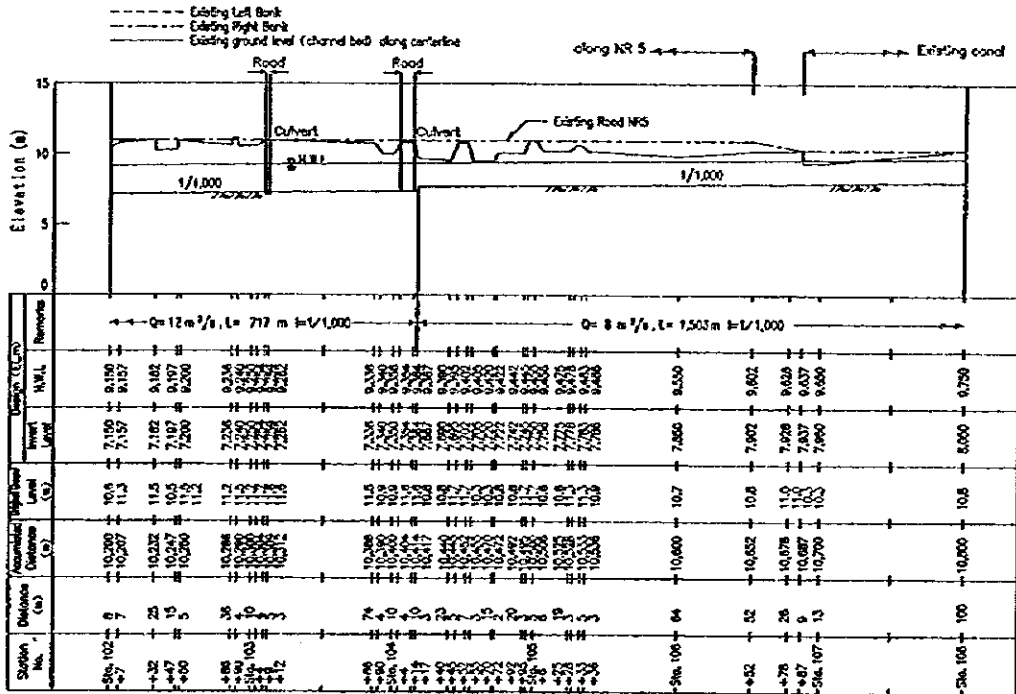
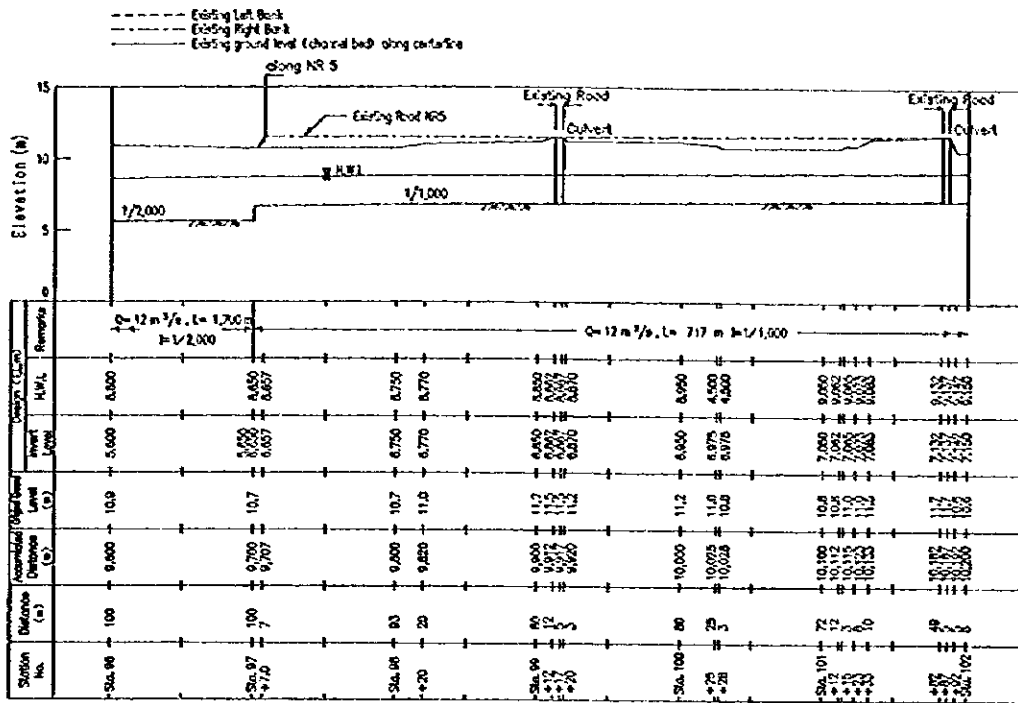
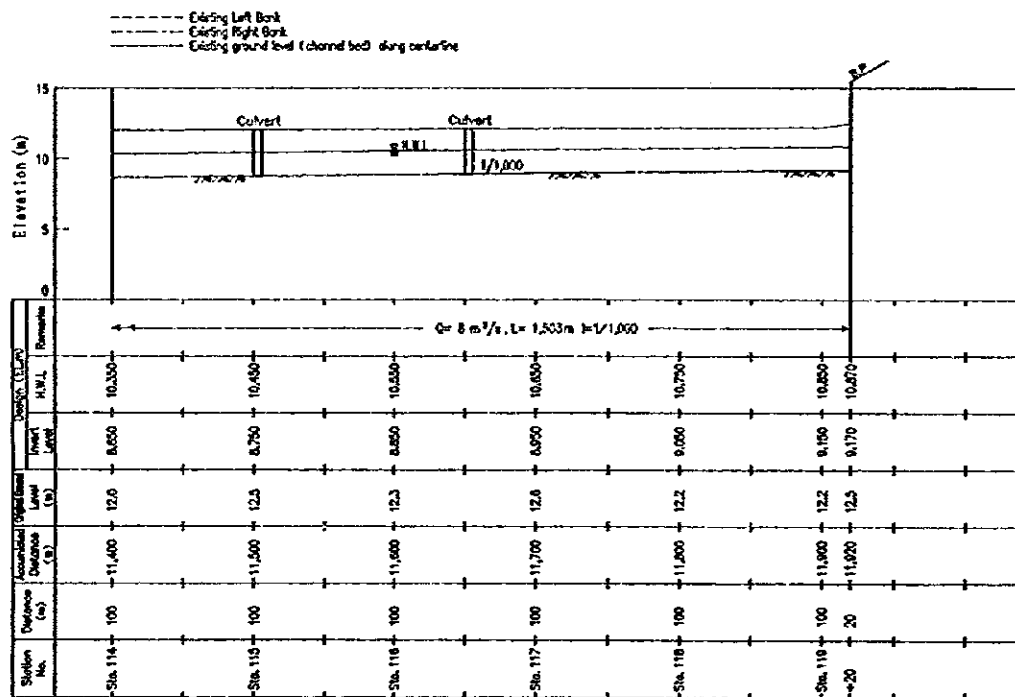
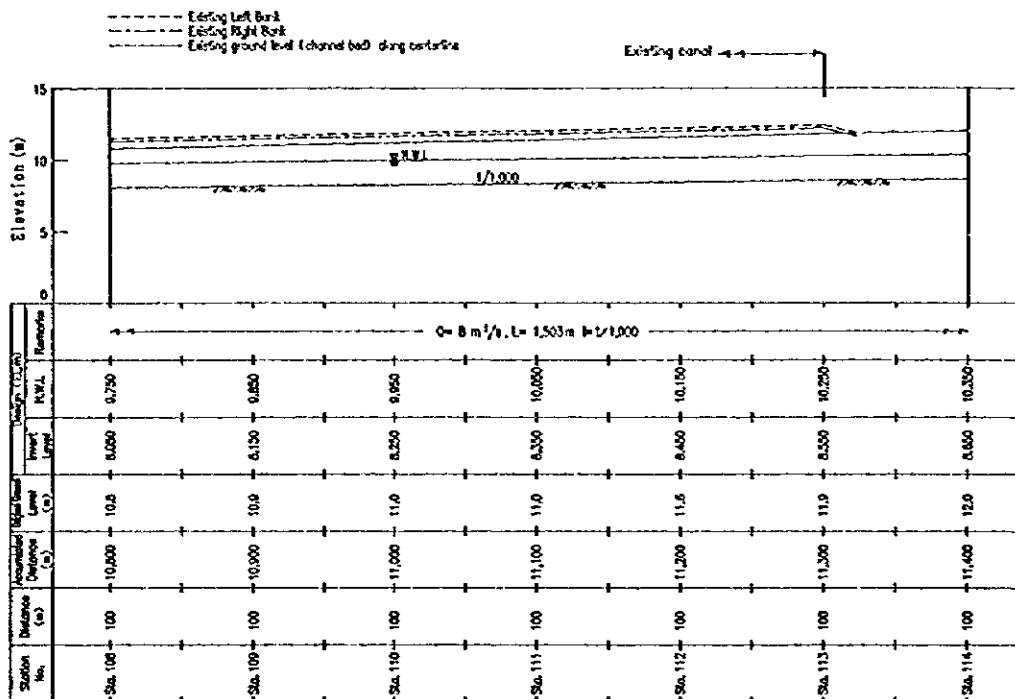
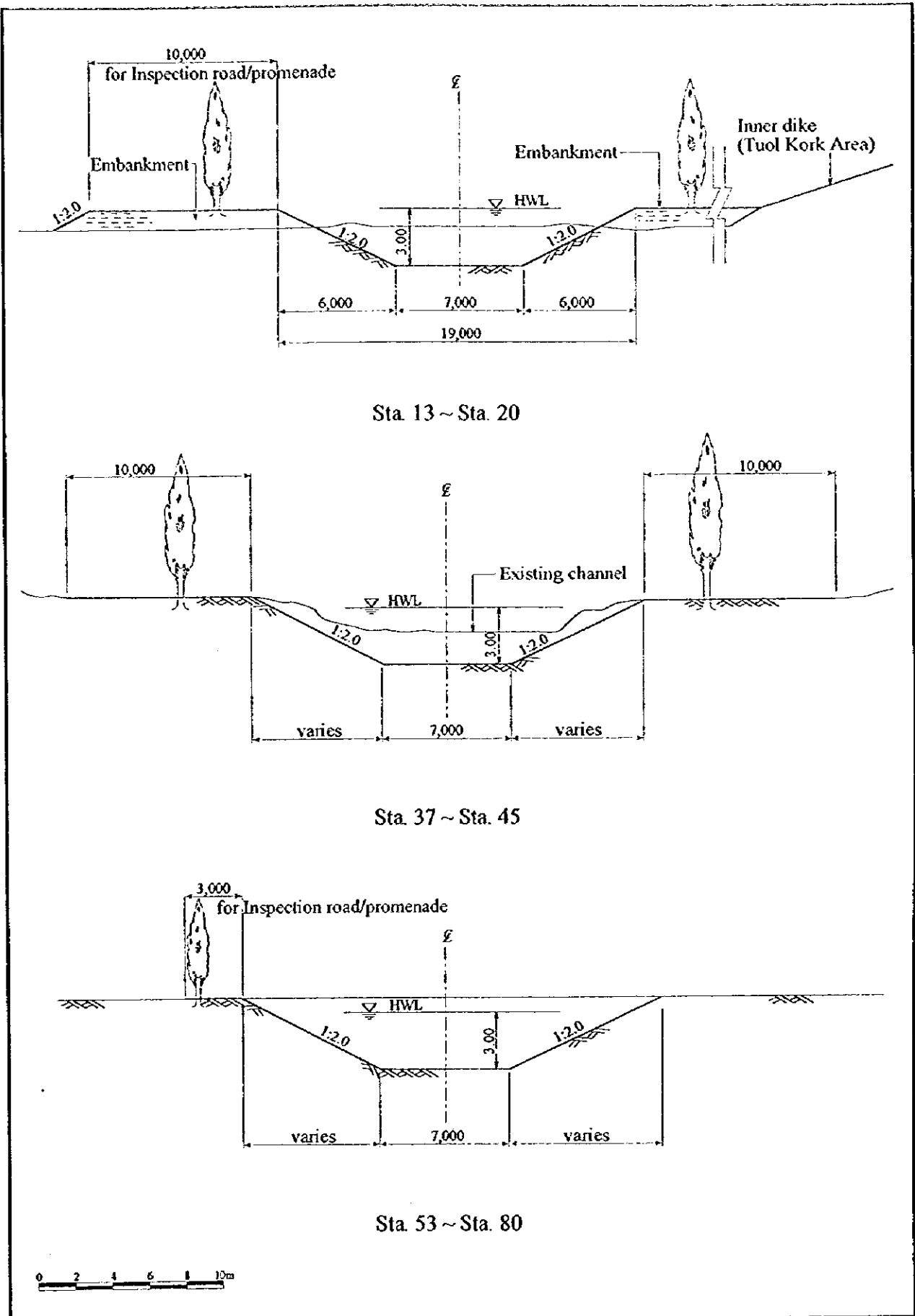


Figure D3-32
 Profile of Pongpeay Drainage Main (7/10)



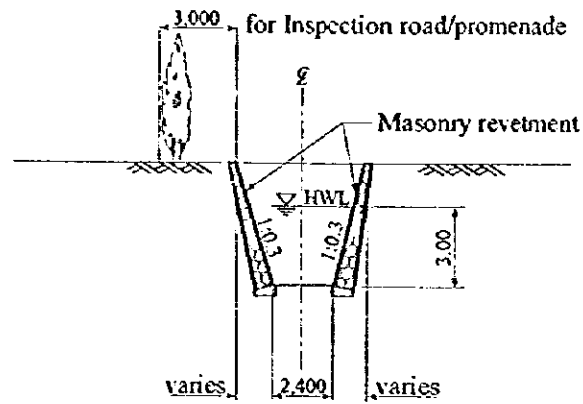




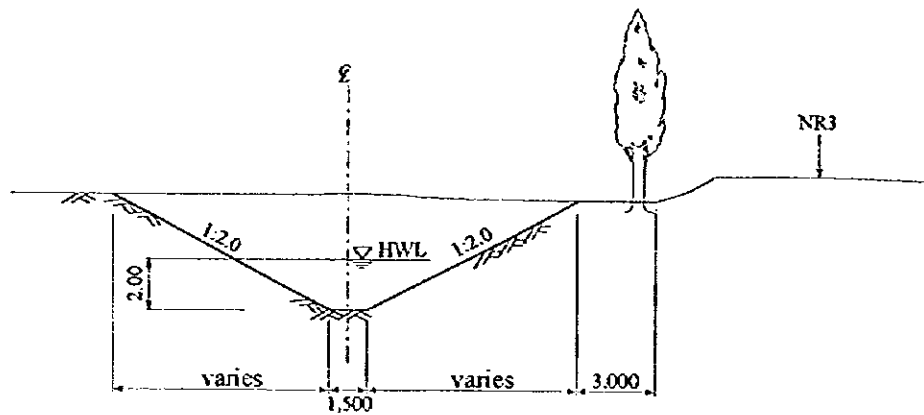


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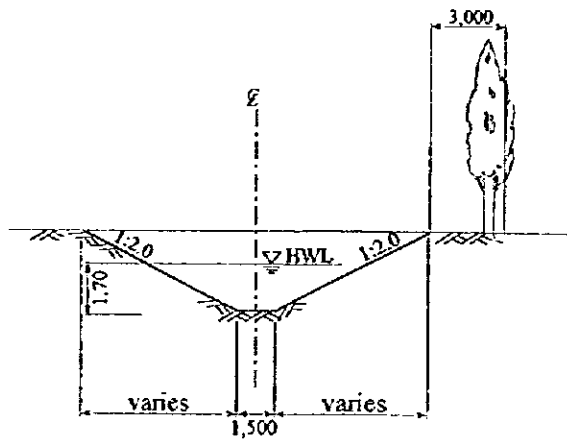
Figure. D3-33
 Standard Cross-sections of Pongpeay Drainage Main (1/2)



Sta. 80 ~ Sta. 97



Sta. 97 ~ Sta. 104+17.0



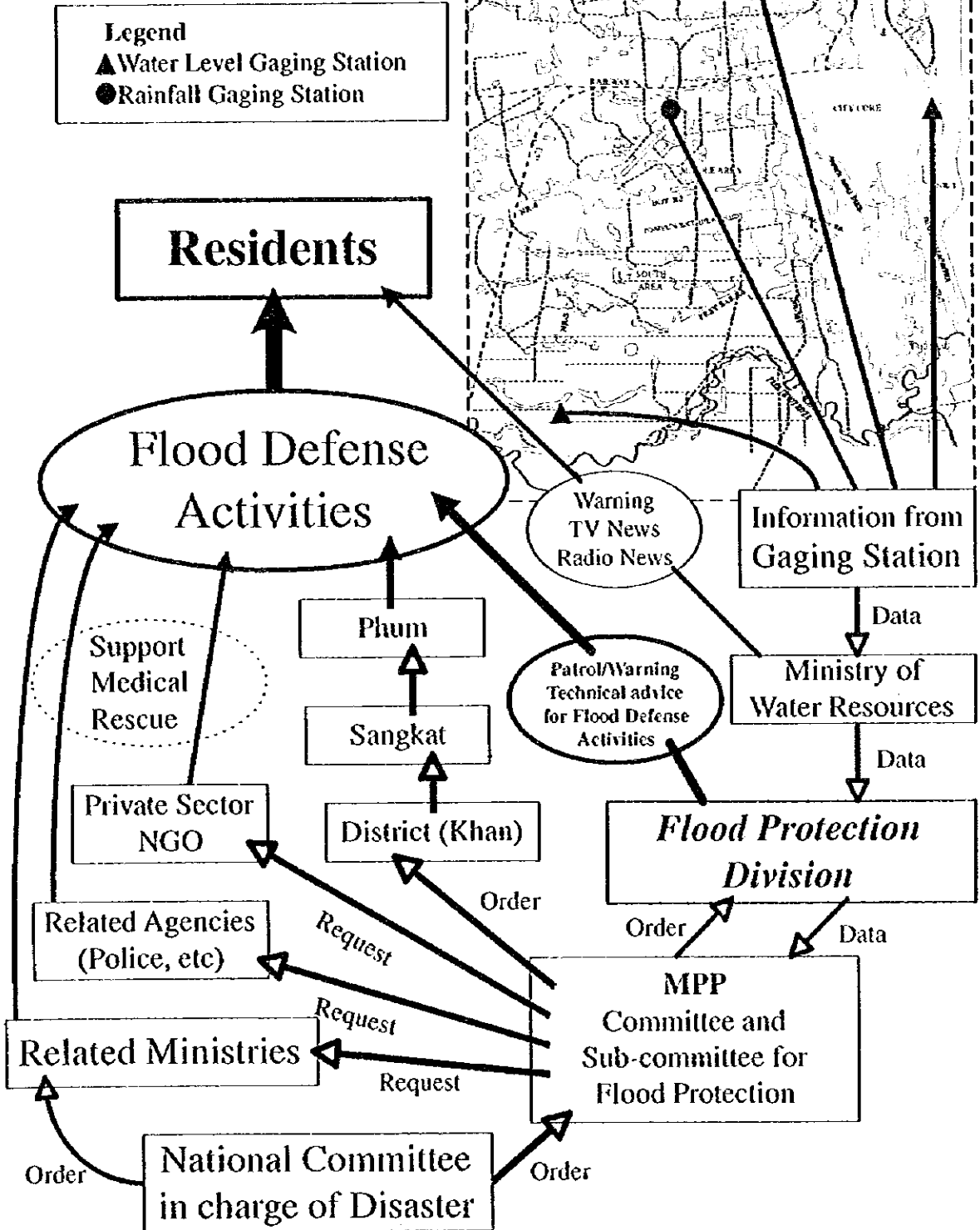
Sta. 104+17.0 ~ Sta. 119+20.0



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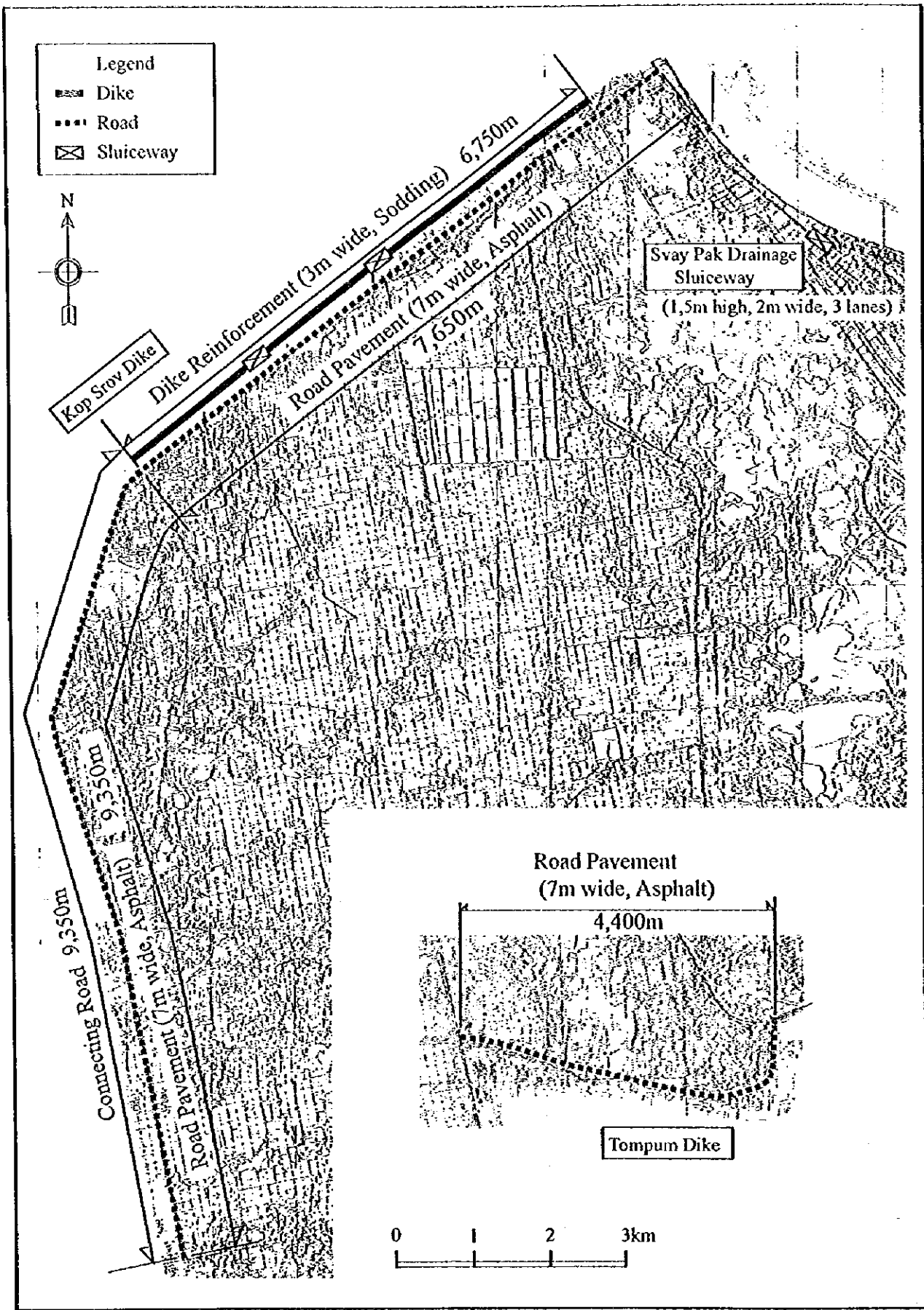
Figure D3-33
Standard Cross-sections of Pongpeay Drainage Main (2/2)

Flood Defense Activities



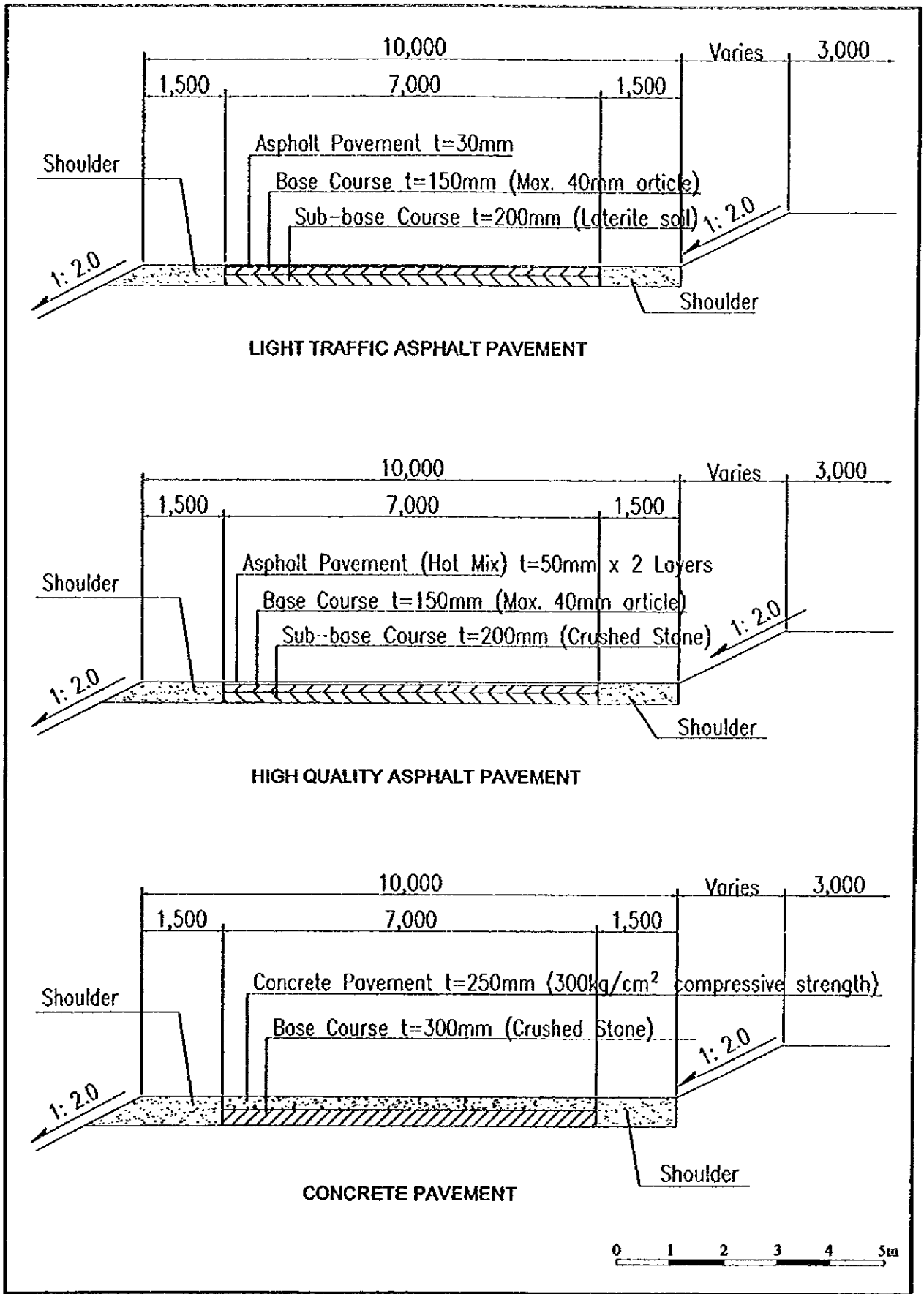
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Figure D3-34
 Flow of Flood Defense Activity



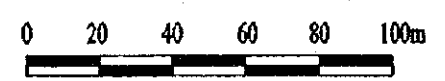
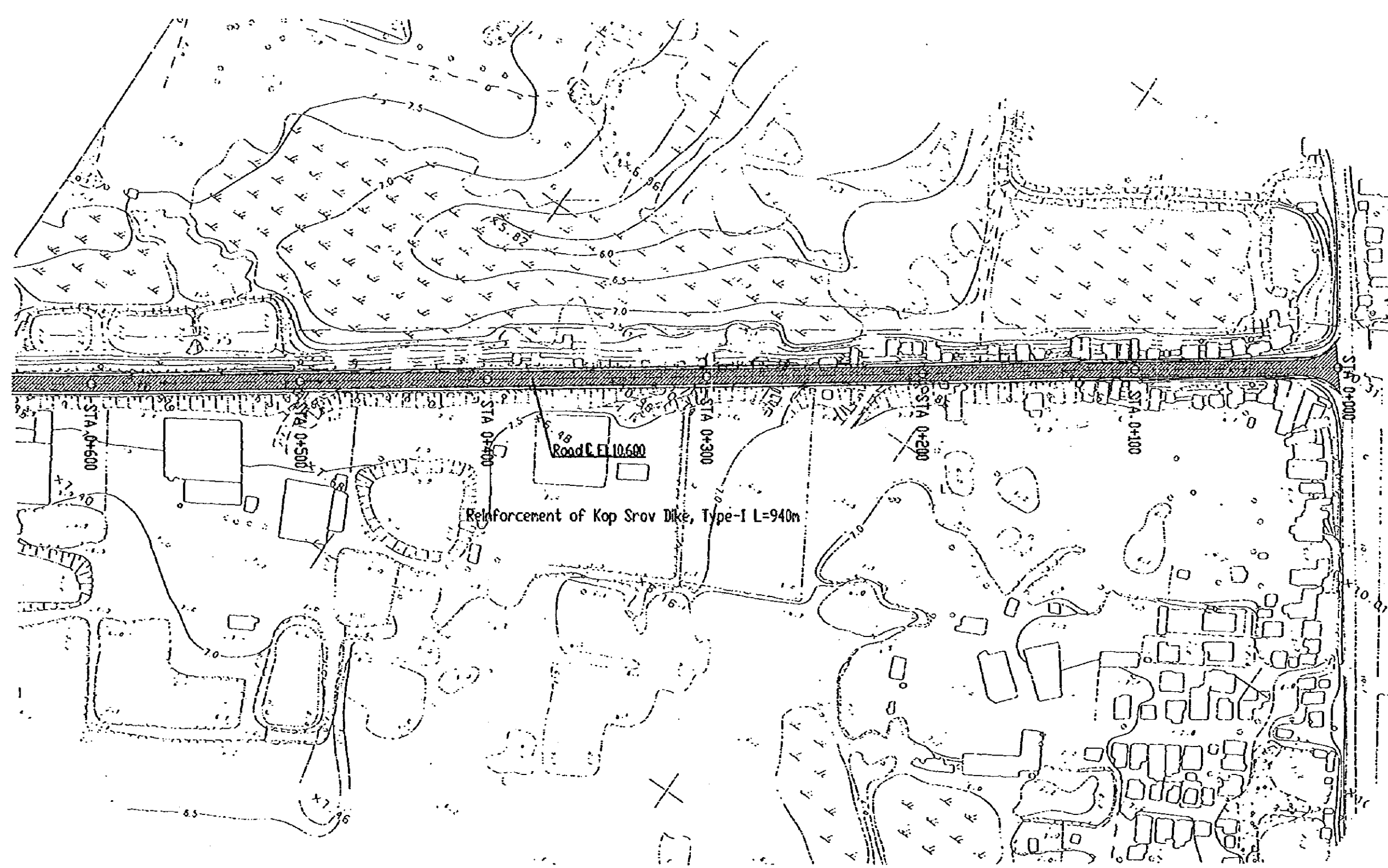
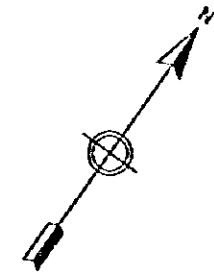
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Figure D4-1
 Facilities of the Reinforcement of Kop Srov
 and Tompum Dikes



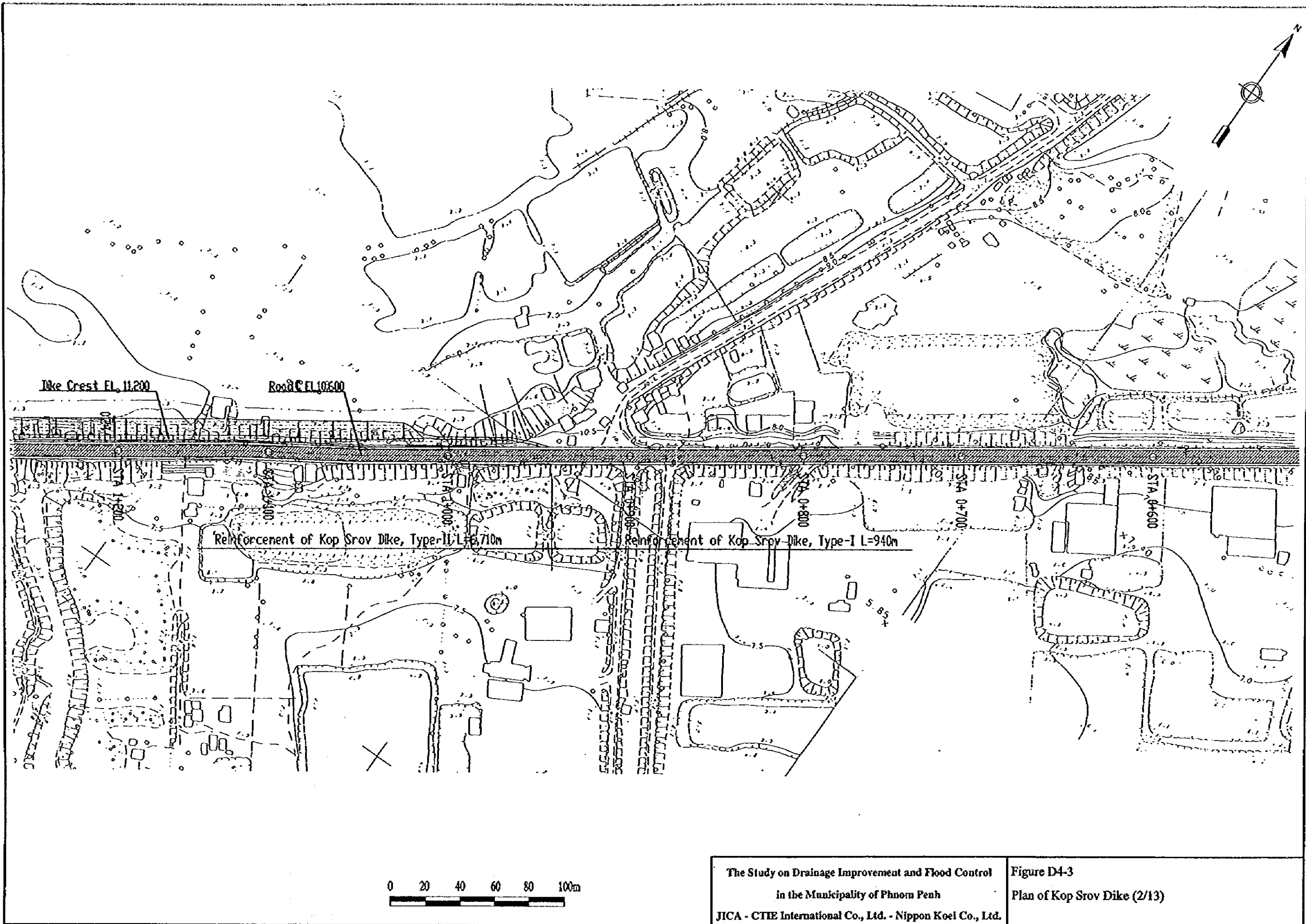
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Figure D4-2
 Alternatives for Road Pavement on Kop Srov
 and Tompun Dikes



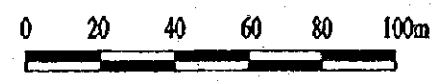
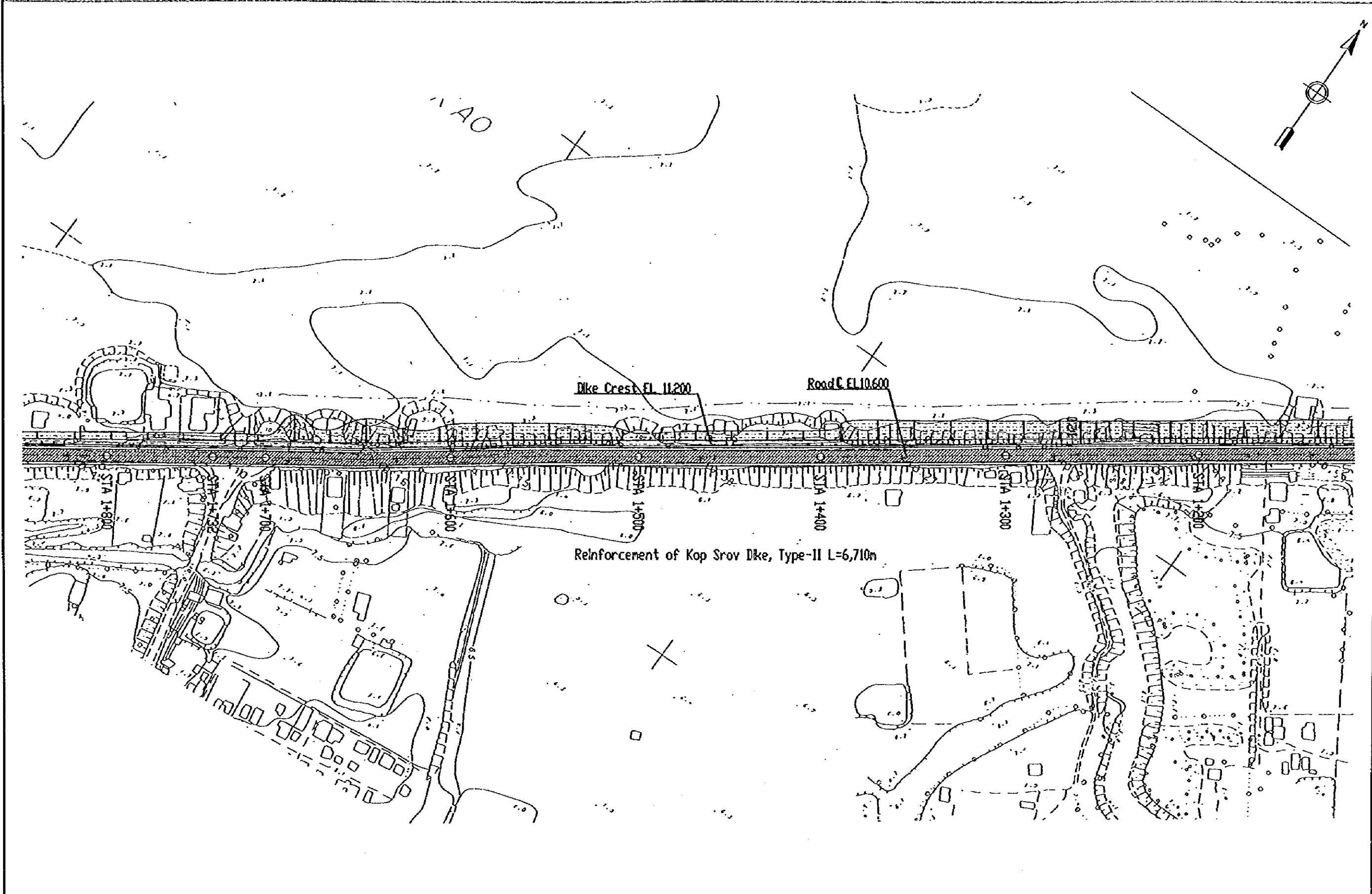
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Figure D4-3
Plan of Kop Srov Dike (1/13)



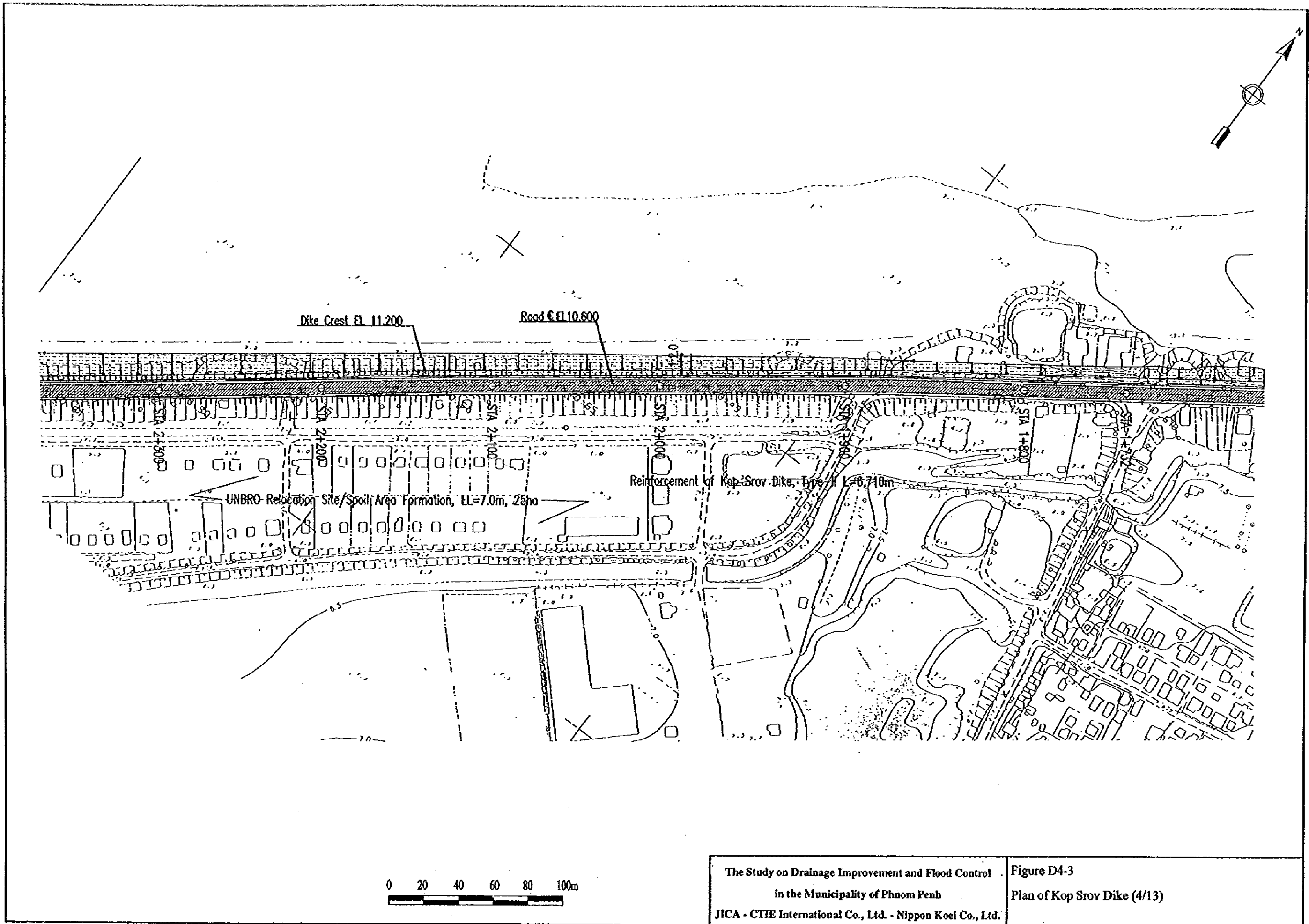
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Figure D4-3
 Plan of Kop Srov Dike (2/13)



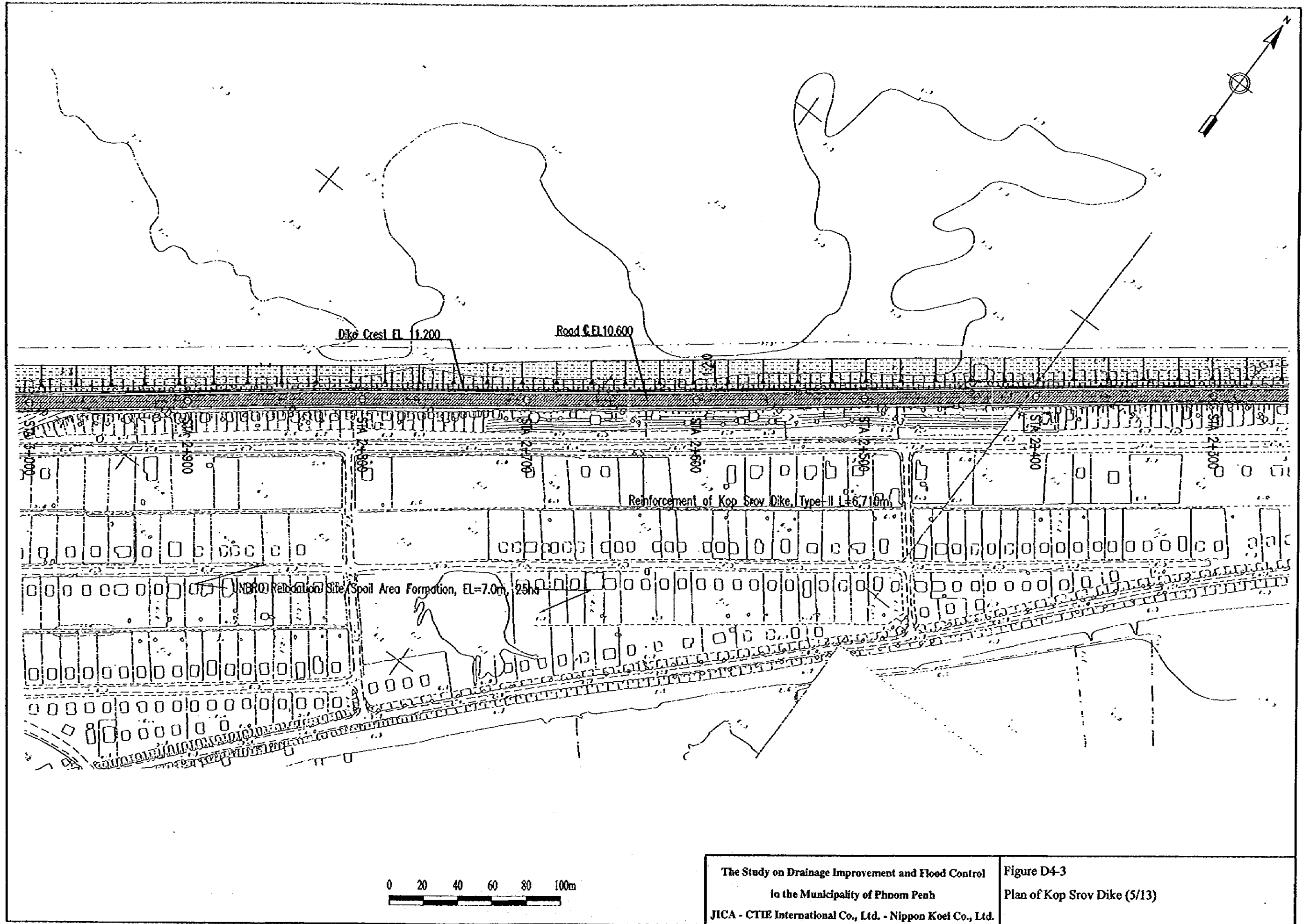
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Figure D4-3
 Plan of Kop Srov Dike (3/13)



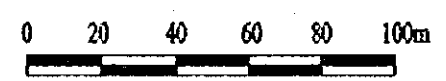
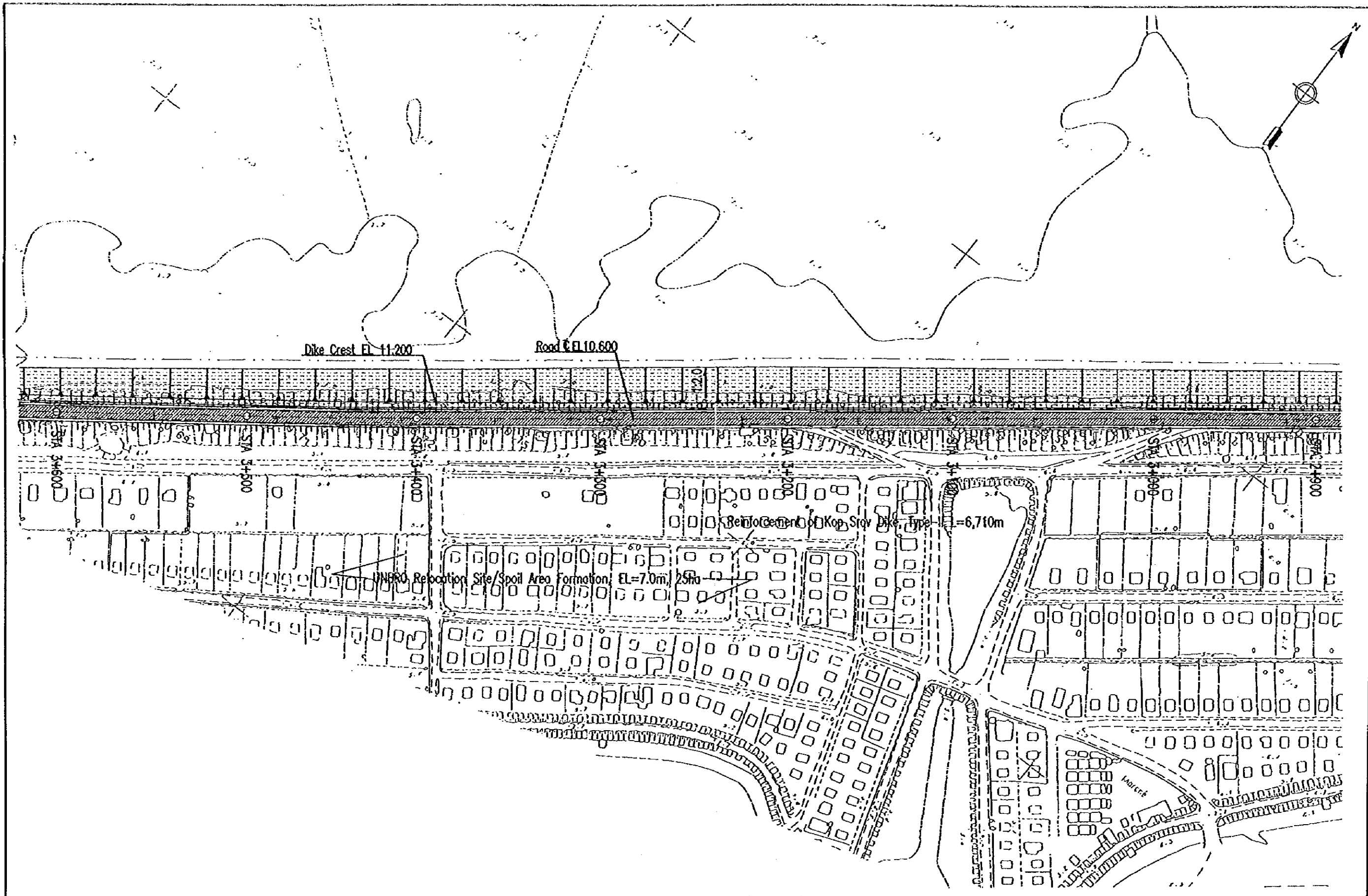
The Study on Drainage Improvement and Flood Control
 in the Municipality of Phnom Penh
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Figure D4-3
 Plan of Kop Srov Dike (4/13)



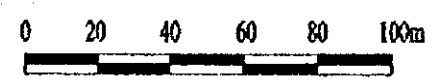
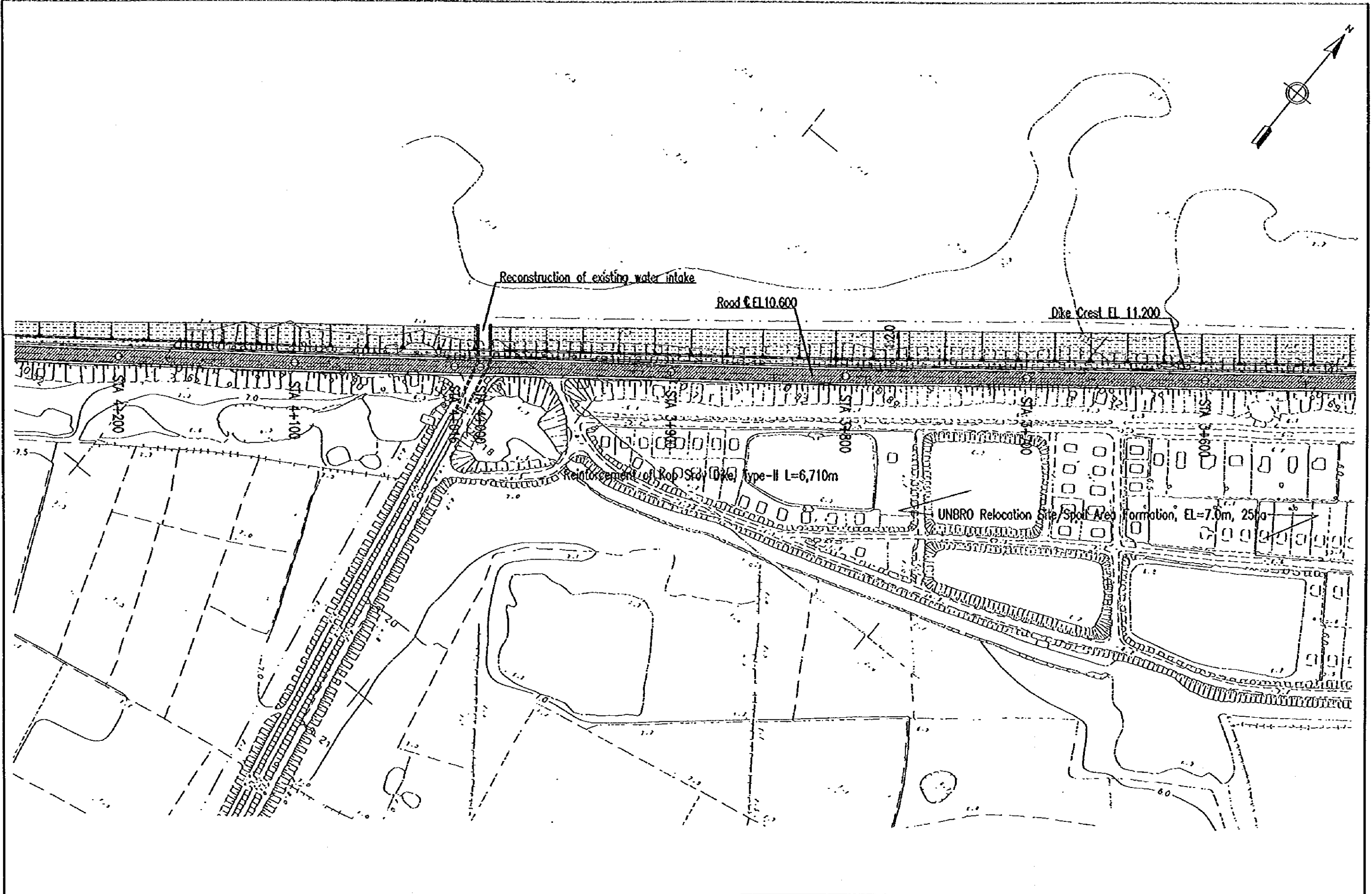
The Study on Drainage Improvement and Flood Control
 in the Municipality of Phnom Penh
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Figure D4-3
 Plan of Kop Srov Dike (5/13)

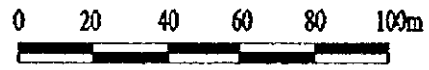
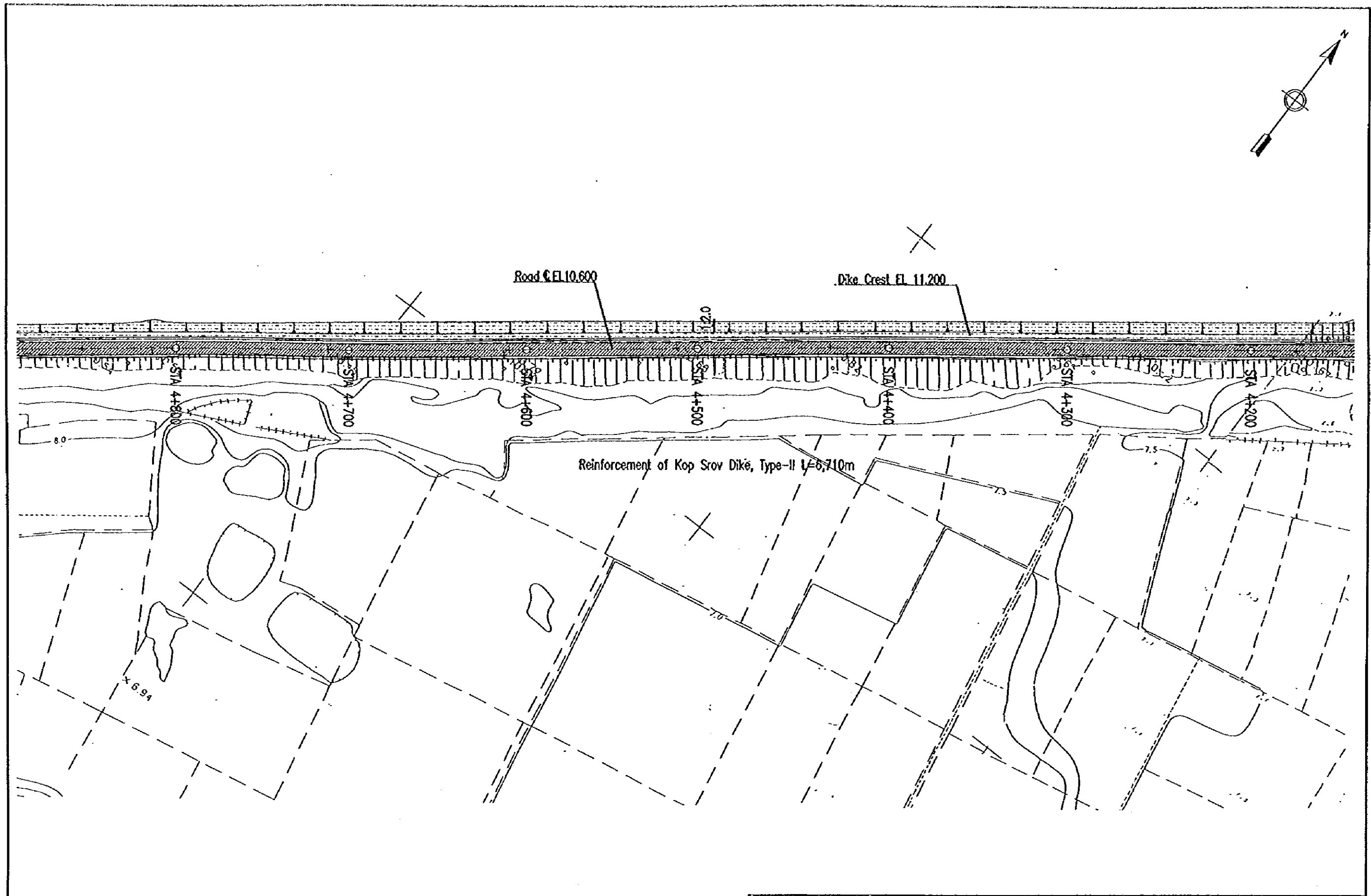


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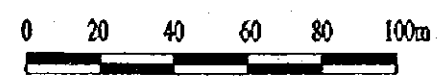
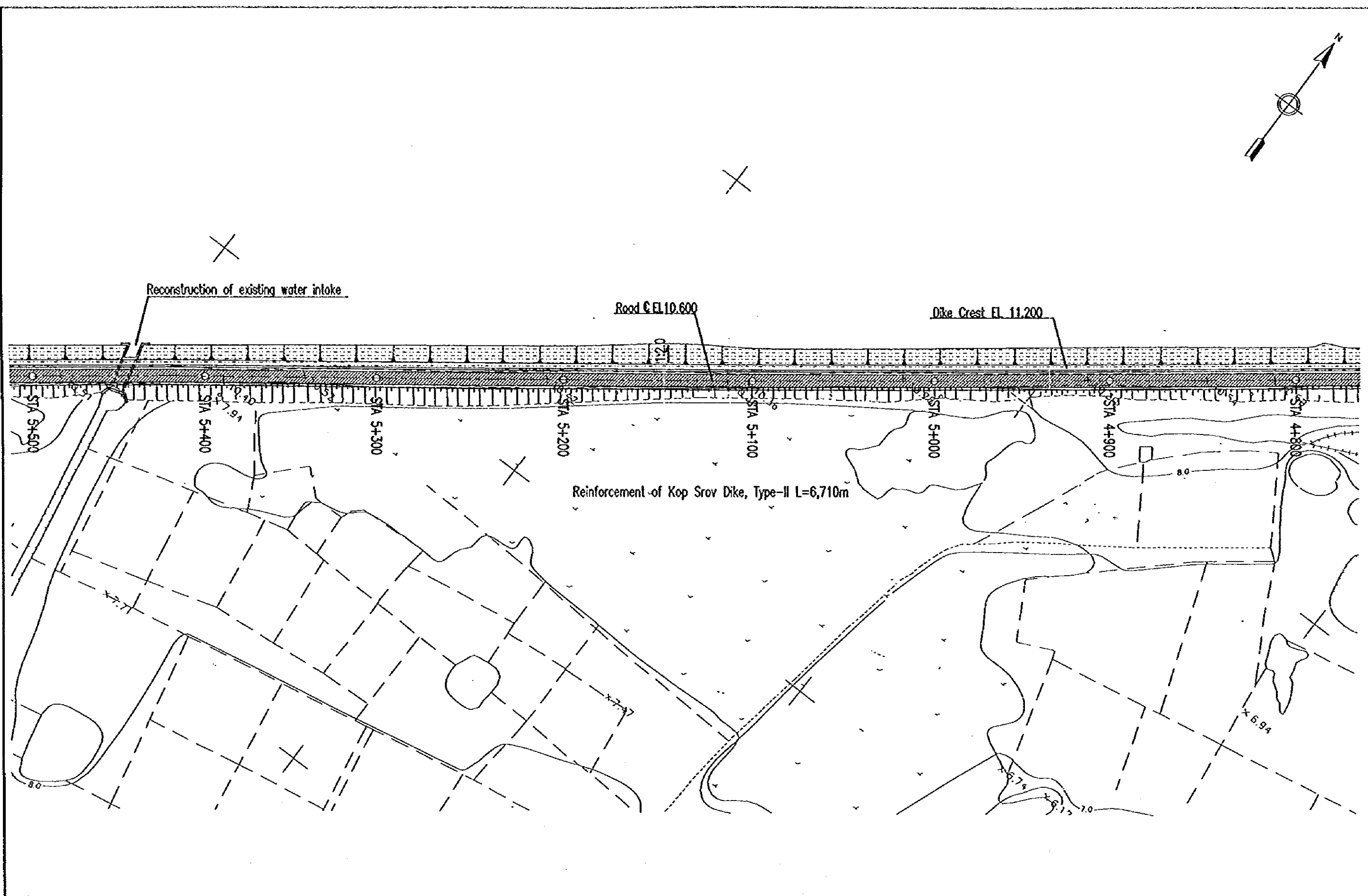
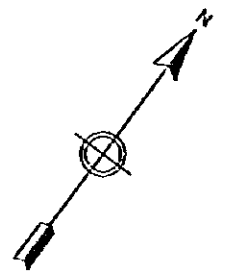
Figure D4-3
 Plan of Kop Srov Dike (6/13)



<p>The Study on Drainage Improvement and Flood Control in the Municipality of Phnom Penh JICA - CTIE International Co., Ltd. - Nippon Koei Co., Ltd.</p>	<p>Figure D4-3 Plan of Kop Srov Dike (7/13)</p>
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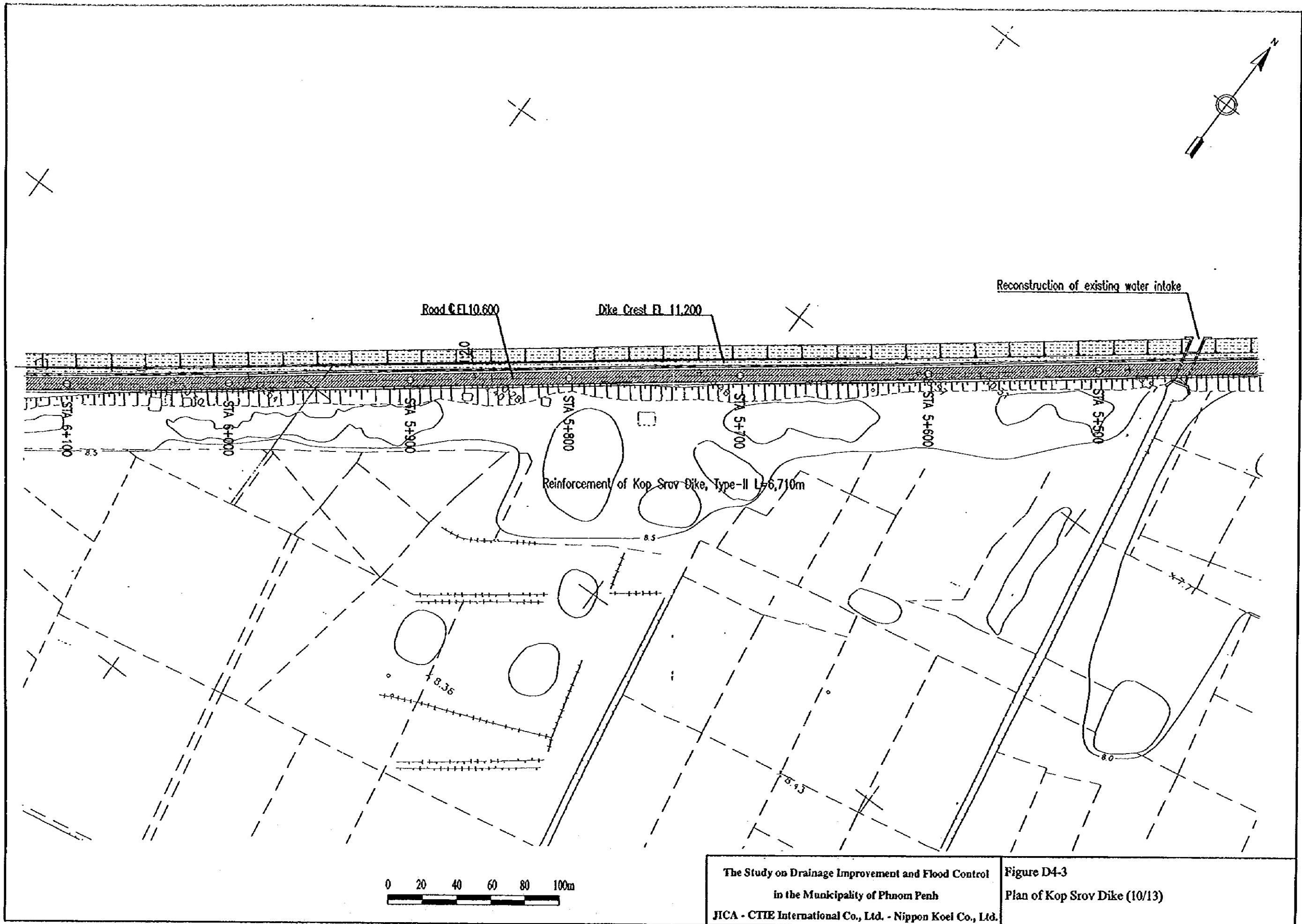


<p>The Study on Drainage Improvement and Flood Control in the Municipality of Phnom Penh JICA - CTIE International Co., Ltd. - Nippon Koel Co., Ltd.</p>	<p>Figure D4-3 Plan of Kop Srov Dike (8/13)</p>
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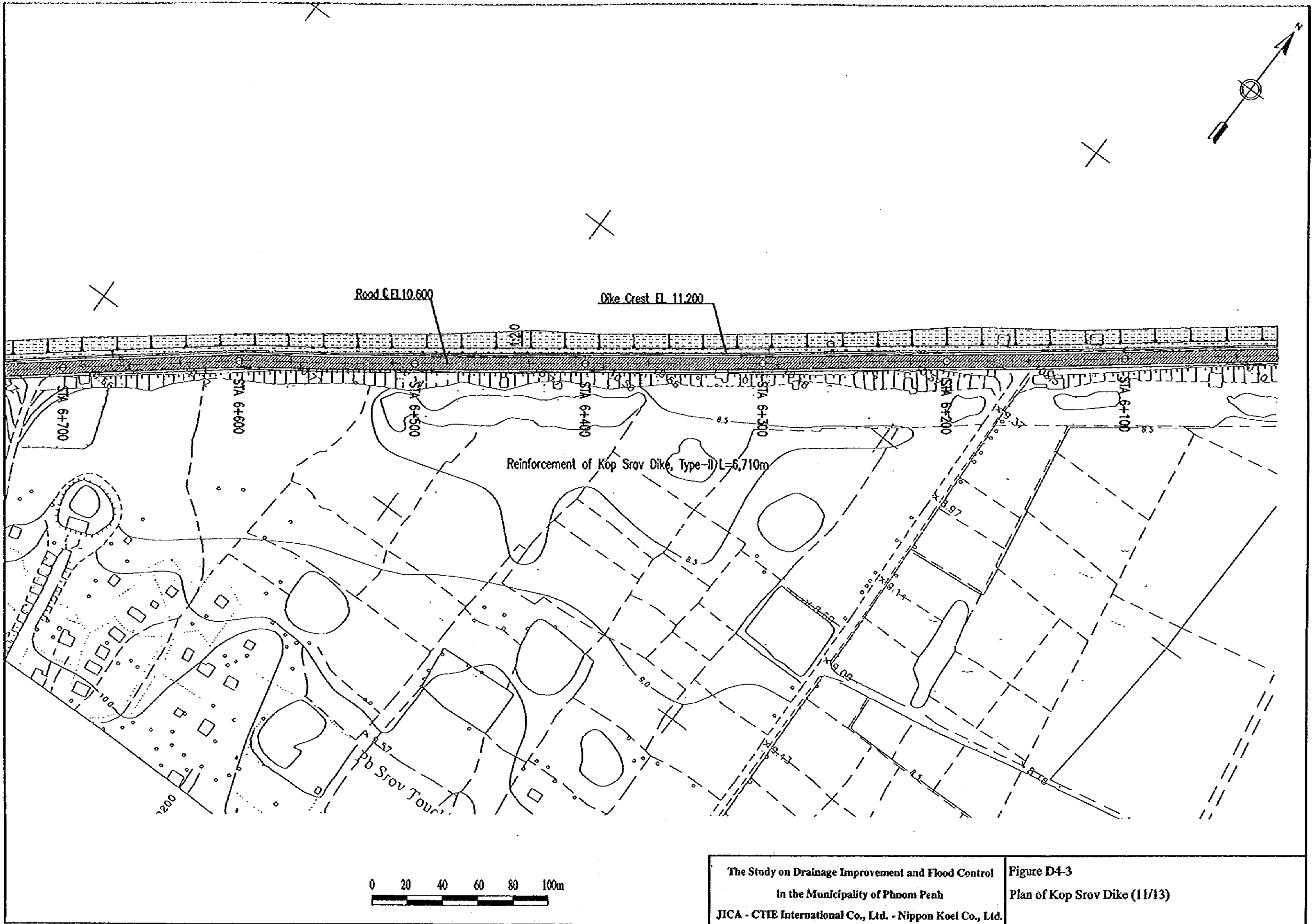
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Figure D4-3
Plan of Kop Srov Dike (9/13)



The Study on Drainage Improvement and Flood Control
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Figure D4-3
 Plan of Kop Srov Dike (10/13)



The Study on Drainage Improvement and Flood Control
 in the Municipality of Phnom Penh
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Figure D4-3
 Plan of Kop Srov Dike (11/13)