

Figure 3.2.3 World Bank Sanitation Project:
Channels, Lakes and Tidal Gates

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Japan International Cooperation Agency

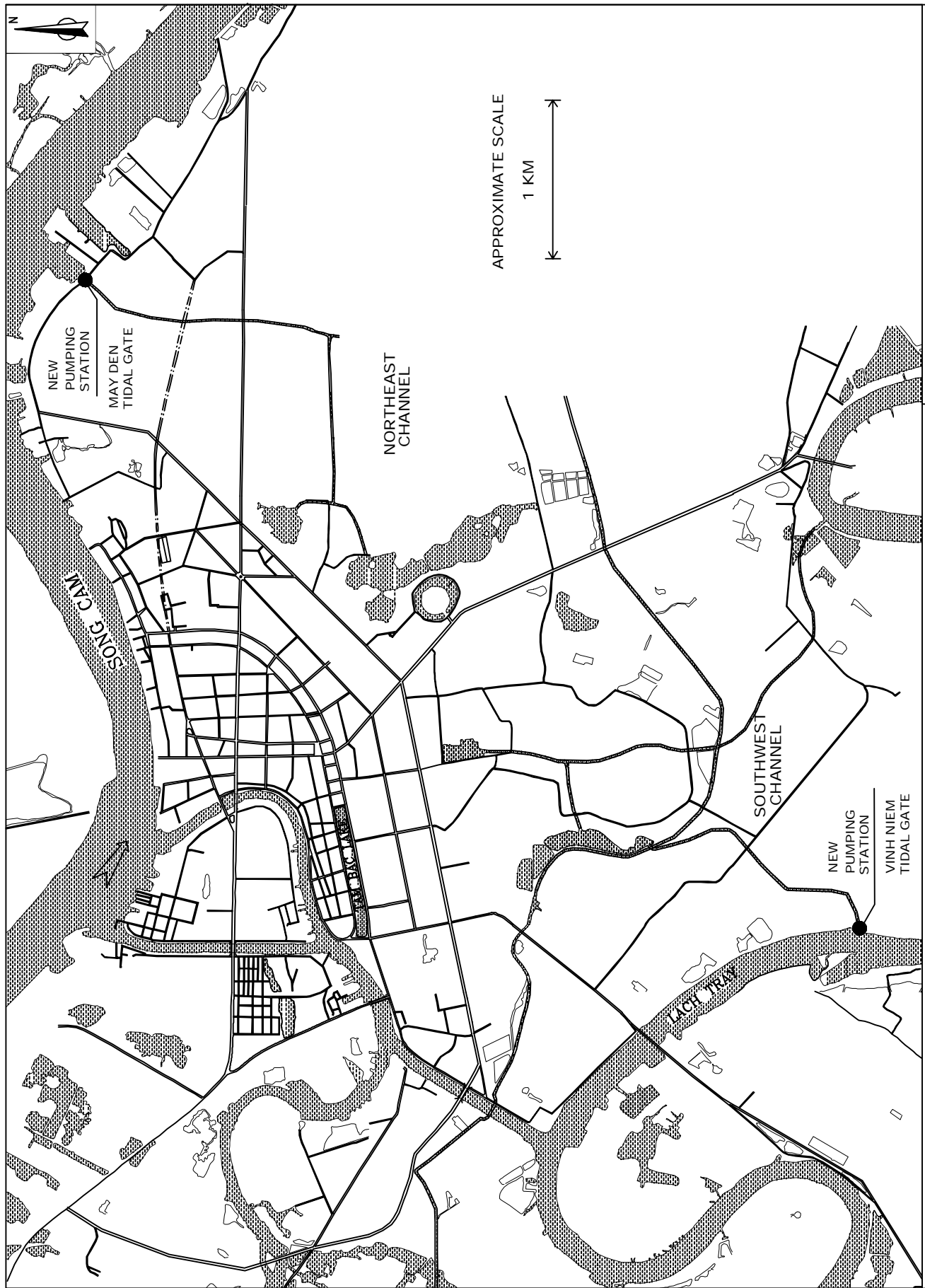
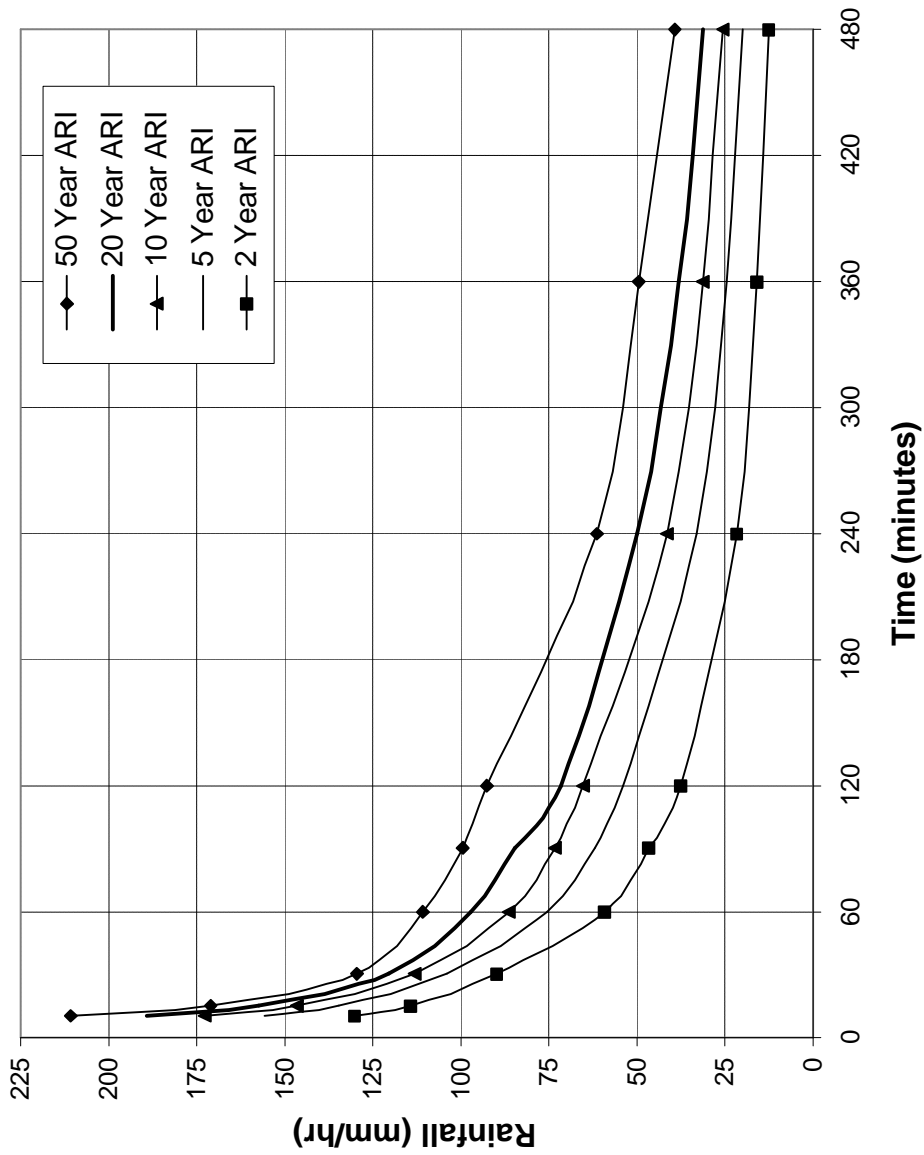


Figure 3.2.4 FINNIDA Project:
Storm Water Pumping Stations

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Time (minutes)	Rainfall Intensity (mm/hr)	
	2 Year ARI	5 Year ARI
10	130.2	155.4
15	114.4	134.8
30	89.6	104.2
60	59.2	75.4
90	46.4	62.1
120	37.6	53.8
240	21.4	32.7
360	16	24.6
480	12.6	19.9
720	9.3	14.6
1440	5.5	8.7

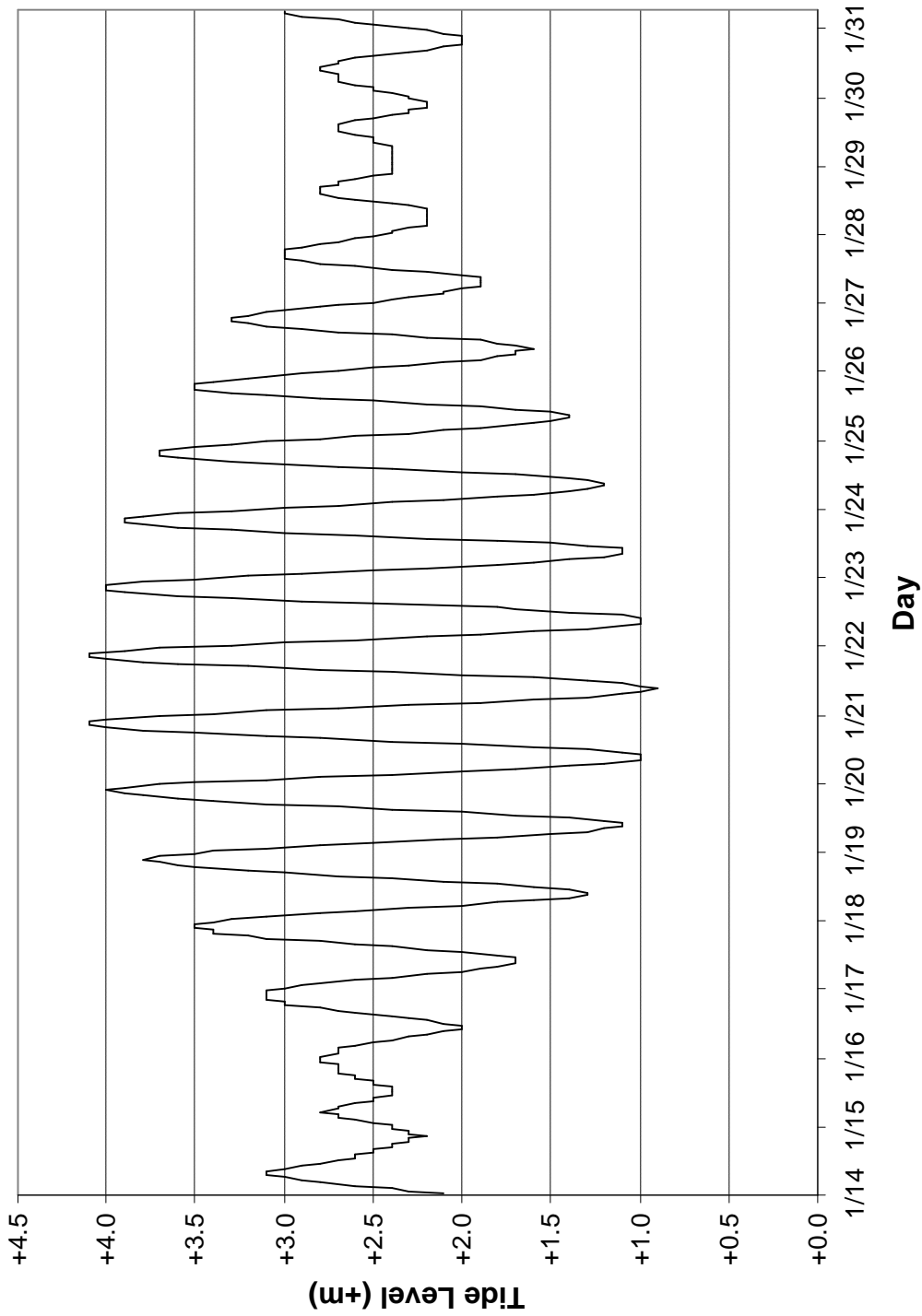


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Figure 3.3.1 Rainfall Intensity, Duration and Frequency Data Used for Planning

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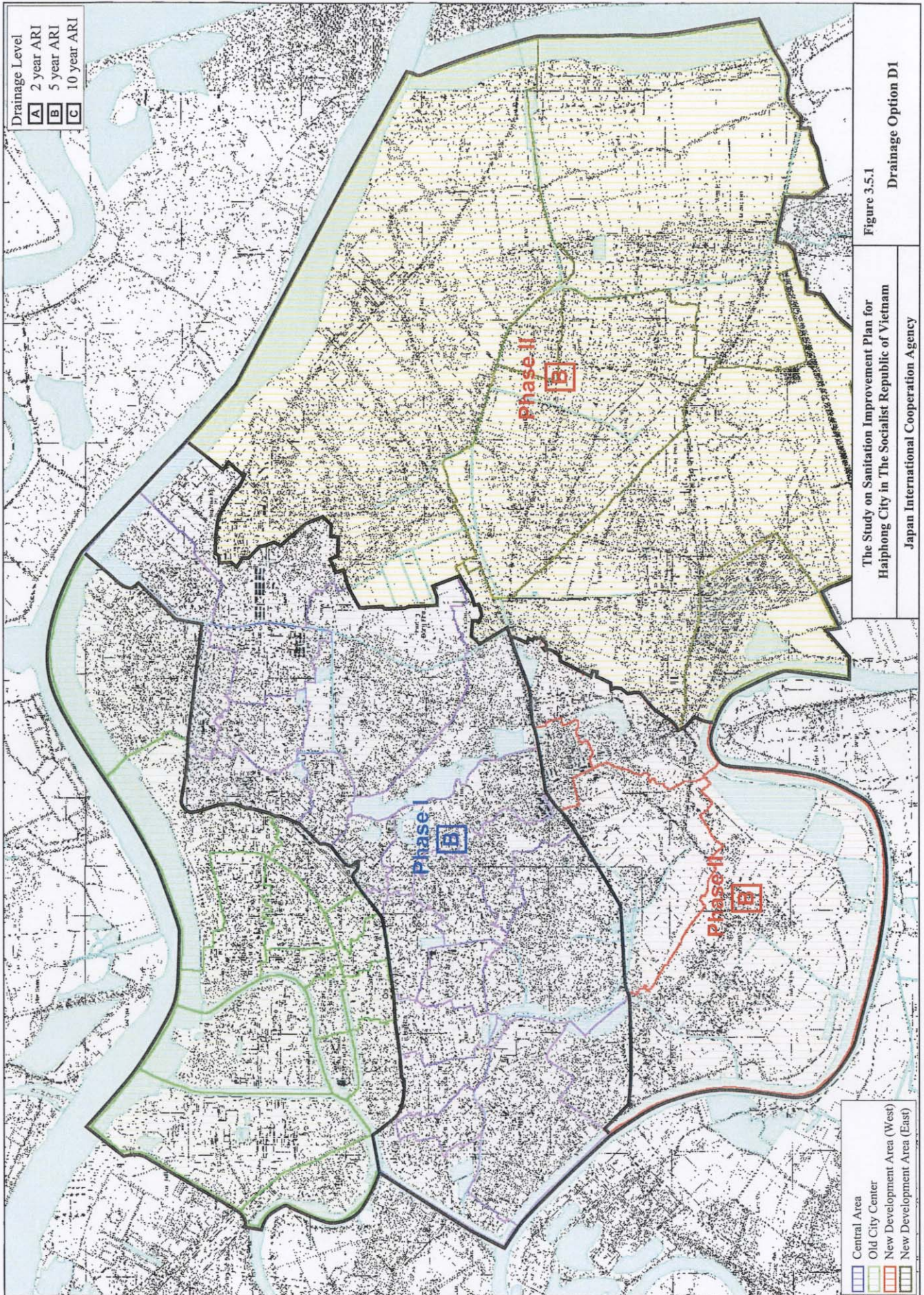
Time (hr)	Tide Level (+m)
3:00	+1.0
4:00	+1.3
5:00	+1.5
6:00	+1.8
7:00	+2.0
8:00	+2.2
9:00	+2.5
10:00	+2.8
11:00	+3.1
12:00	+3.3
13:00	+3.6
14:00	+3.9
15:00	+4.1
16:00	+3.9
17:00	+3.5
18:00	+3.3
19:00	+3.0
20:00	+2.8
21:00	+2.5
22:00	+2.2
23:00	+2.0
24:00	+1.8
1:00	+1.5
2:00	+1.3
3:00	+1.0



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Figure 3.3.2 Tide Level Data With Frequency 10 Year ARI and High Tide Conditions

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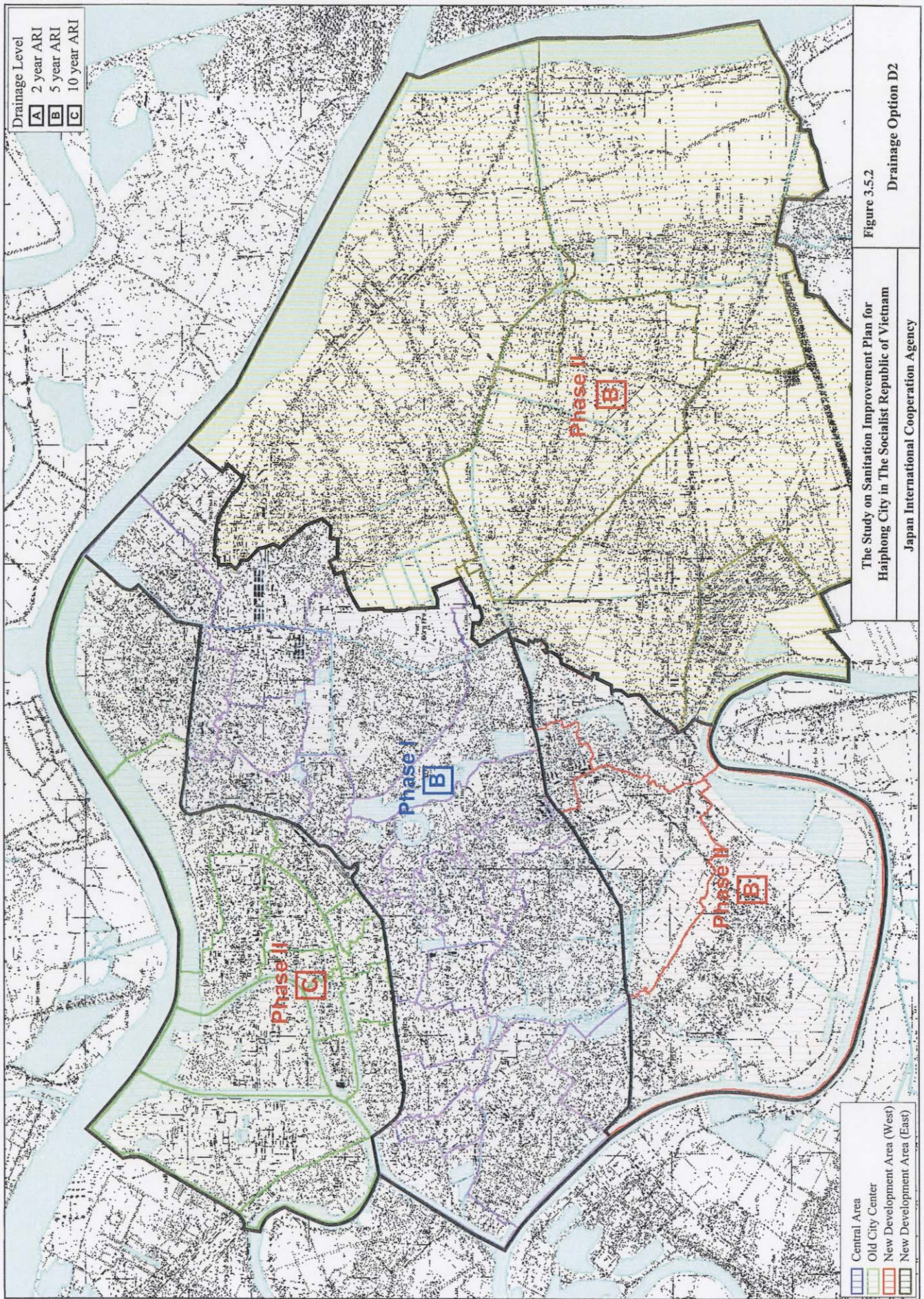


Drainage Level
 [A] 2 year ARI
 [B] 5 year ARI
 [C] 10 year ARI

Figure 3.5.1
 Drainage Option D1

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Central Area
 Old City Center
 New Development Area (West)
 New Development Area (East)



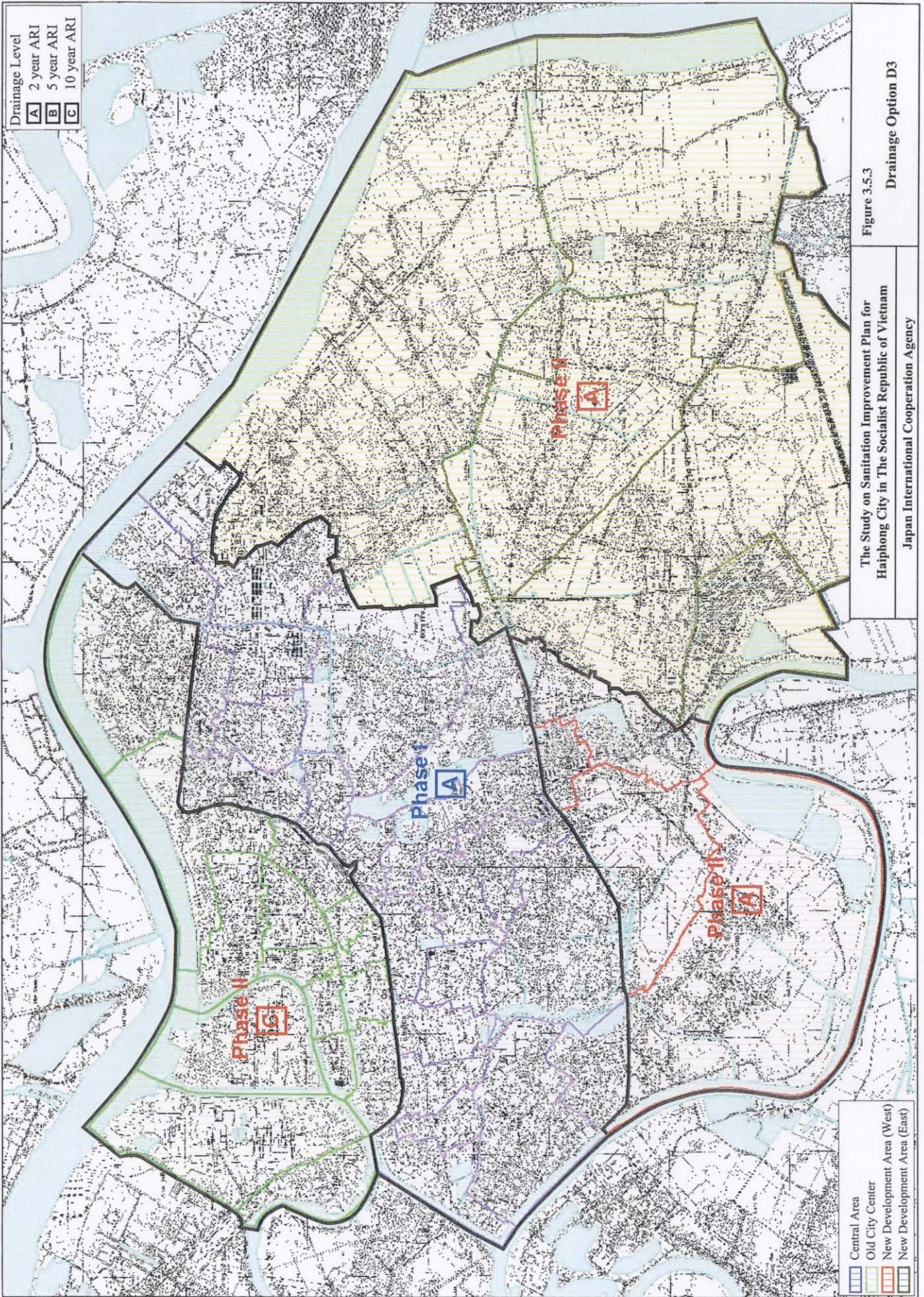


Figure 3.5.3
Drainage Option D3

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