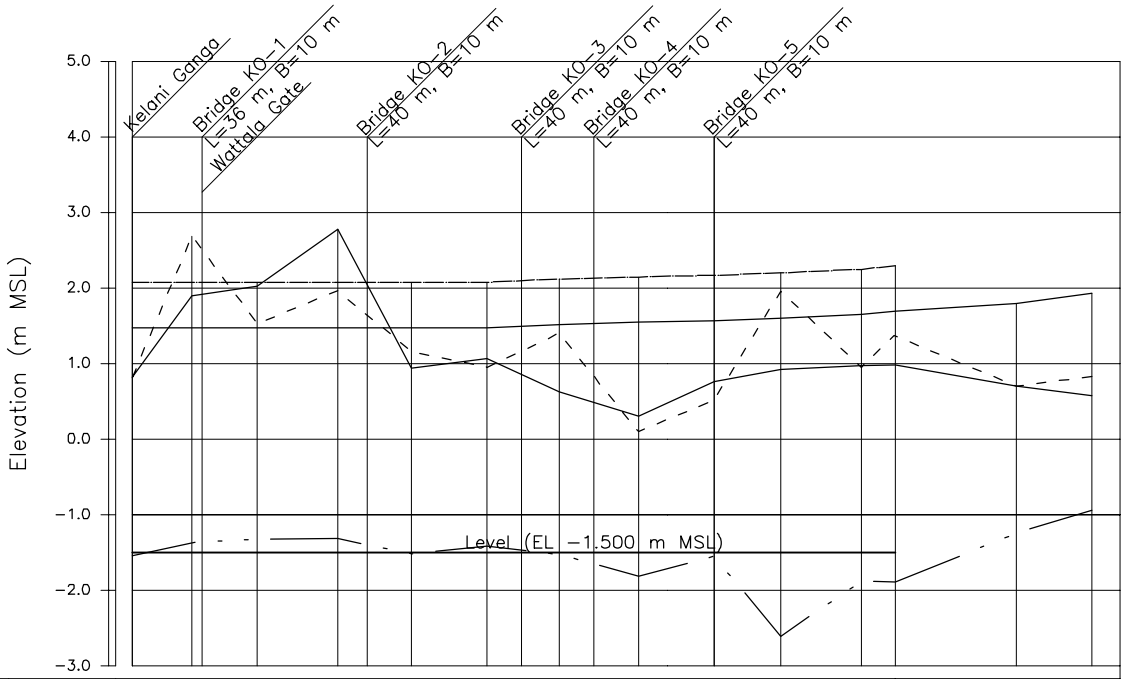

Station	Partial Distance (m)	Accum. Distance (m)	Right Bank (EL m)	Left Bank (EL m)	Original Riverbed (EL m)	Design: Crest of Dike (EL m)	Design: Riverbed (EL m)	Design: HWL (50year) (EL m)	Remark
ST 0+000	0	0	0.820	0.812	-1.540	2.076	-1.500	1.476	Channel Improvement: Q=50 m3/sec, L=5,050 m
ST 0+397	397	397	1.894	2.688	-1.368	2.076	-1.500	1.476	
ST 0+829	432	829	2.025	1.527	-1.318	2.076	-1.500	1.476	
ST 1+359	530	1,359	2.779	1.965	-1.312	2.076	-1.500	1.476	
ST 1+849	490	1,849	0.944	1.161	-1.513	2.076	-1.500	1.476	
ST 2+349	500	2,349	1.065	0.952	-1.412	2.076	-1.500	1.476	
ST 2+824	475	2,824	0.623	1.402	-1.524	2.120	-1.500	1.520	
ST 3+349	525	3,349	0.303	0.103	-1.812	2.146	-1.500	1.546	
ST 3+849	500	3,849	0.760	0.518	-1.549	2.169	-1.500	1.569	
ST 4+290	441	4,290	0.925	1.959	-2.605	2.201	-1.500	1.601	
ST 4+824	534	4,824	0.977	0.952	-1.876	2.248	-1.500	1.648	
ST 5+050	226	5,050	0.980	1.375	-1.890	2.297	-1.500	1.697	
ST 5+849	799	5,849	0.704	0.704	-1.240			1.793	
ST 6+349	500	6,349	0.577	0.829	-0.941			1.927	

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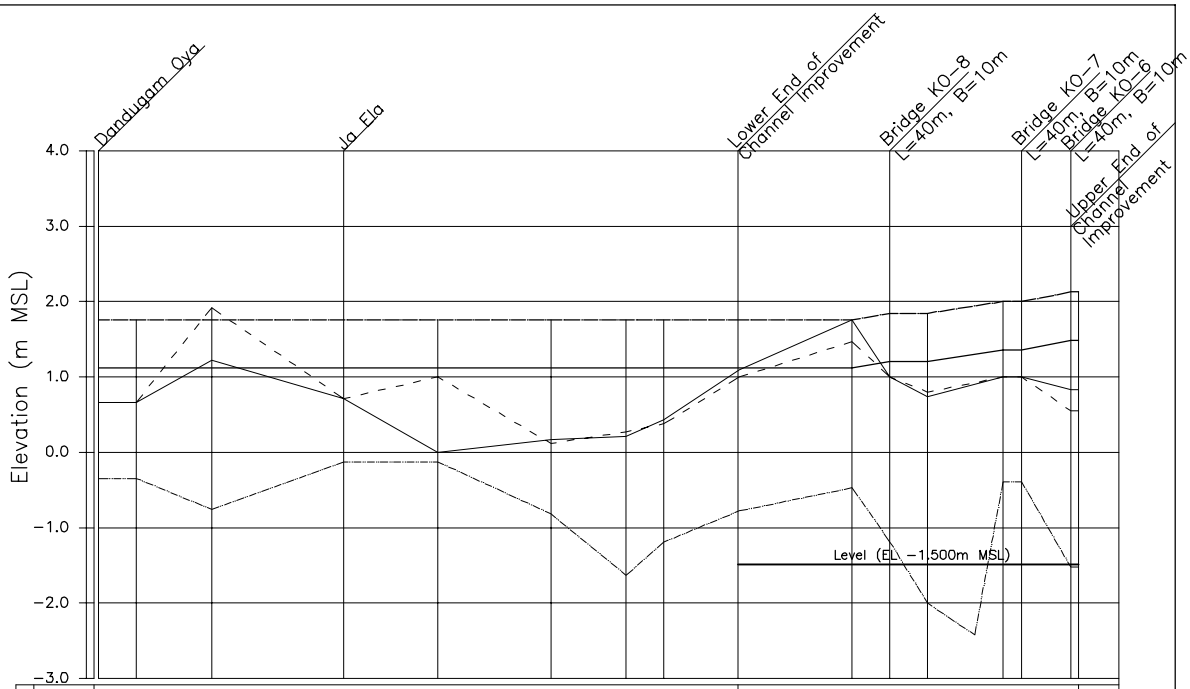
Figure 4.24
Longitudinal Profile of Proposed Kalu Oya Channel Improvement



Station	Partial Distance (m)	Accum. Distance (m)	Right Bank (EL m)	Left Bank (EL m)	Original Riverbed (EL m)	Design: Crest of Dike (EL m)	Design: Riverbed (EL m)	Design: HWL (50year) (EL m)	Remark
ST 0+000	0	0	0.593	0.579	-0.304	1.755	-0.304	1.153	
ST 0+500	500	500	0.593	0.579	-0.304	1.755	-0.304	1.153	
ST 1+500	1,000	1,500	1.199	1.933	-0.766	1.755	-0.766	1.153	
ST 3+250	1,750	3,250	0.700	0.732	-0.131	1.755	-0.131	1.153	
ST 4+500	1,250	4,500	0.000	1.000	-0.100	1.755	-0.100	1.153	
ST 6+000	1,500	6,000	0.170	0.130	-0.800	1.755	-0.800	1.153	
ST 7+000	1,000	7,000	0.212	0.340	-1.683	1.755	-1.683	1.153	
ST 7+500	500	7,500	0.400	0.400	-1.200	1.755	-1.200	1.153	
ST 8+500	1,000	8,500	1.100	1.000	-0.800	1.755	-1.500	1.153	
ST 10+000	1,500	10,000	1.700	1.400	-0.470	1.769	-1.500	1.169	Channel improvement: Q= 35 m3/sec, L= 4,500 m
ST 10+500	500	10,500	1.000	1.000	-1.200	1.797	-1.500	1.197	
ST 11+000	500	11,000	0.650	0.700	-2.050	1.927	-1.500	1.227	
ST 12+000	1,000	12,000	1.000	1.000	-0.400	1.972	-1.500	1.372	
ST 12+250	250	12,250	1.000	1.000	-0.400	1.972	-1.500	1.372	
ST 12+900	650	12,900	0.760	0.518	-1.549	2.076	-1.500	1.476	
ST 13+000	100	13,000	0.760	0.518	-1.549	2.076	-1.500	1.476	

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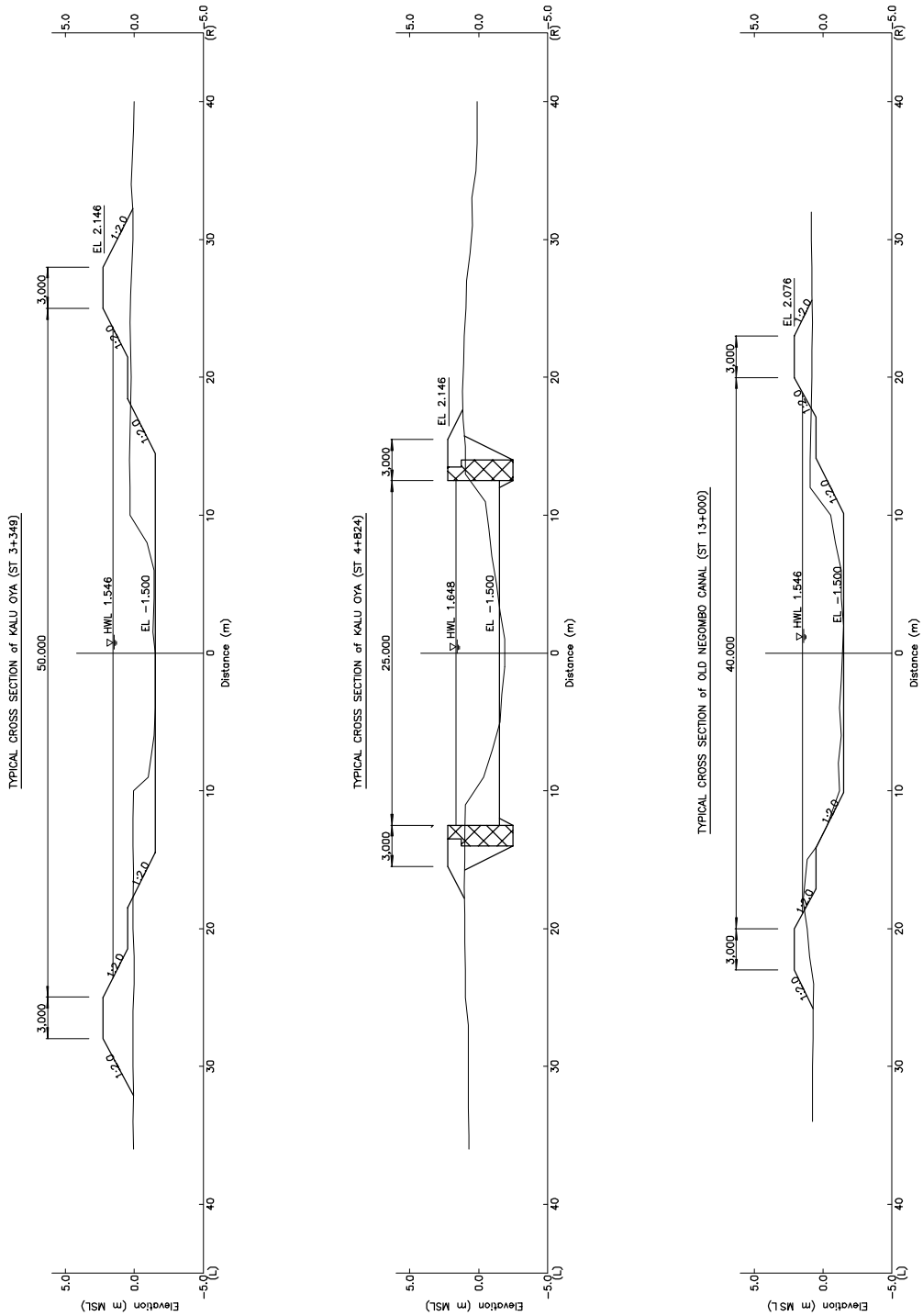
Figure 4.25
Longitudinal Profile of Proposed Old Negombo Canal Improvement



The Study on Storm Water Drainage Plan for the Colombo Metropolitan Region in the Democratic Socialist Republic of Sri Lanka	Figure 4.26 Typical Cross Section of Proposed Kalu Oya and Old Negombo Canal Improvement
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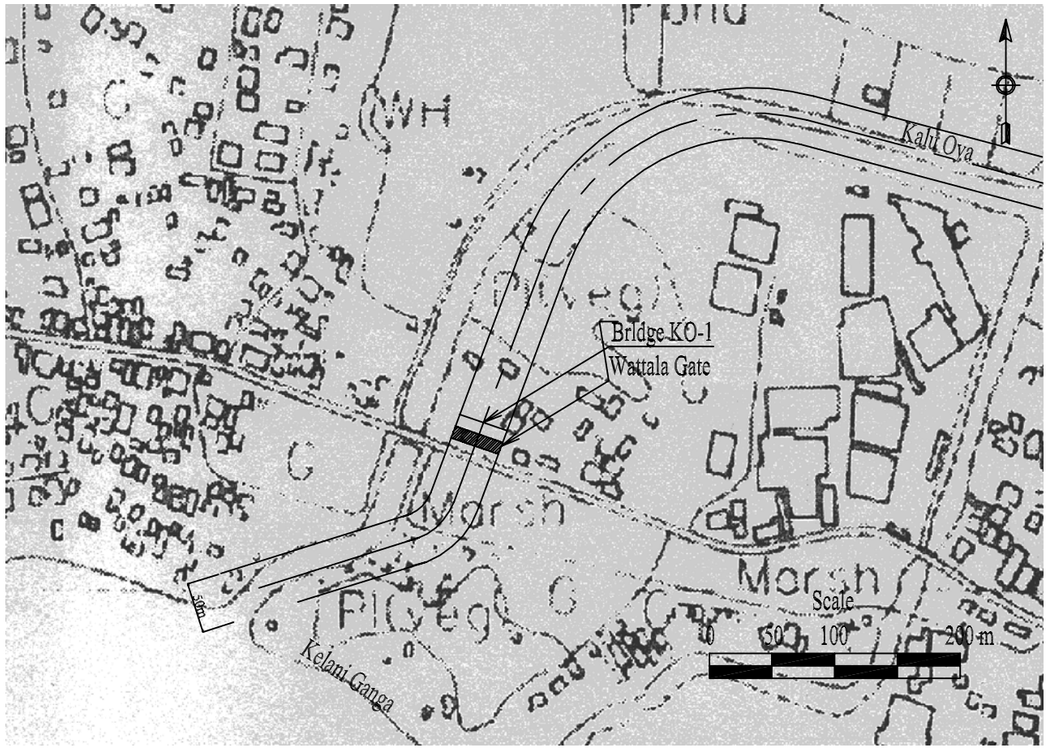
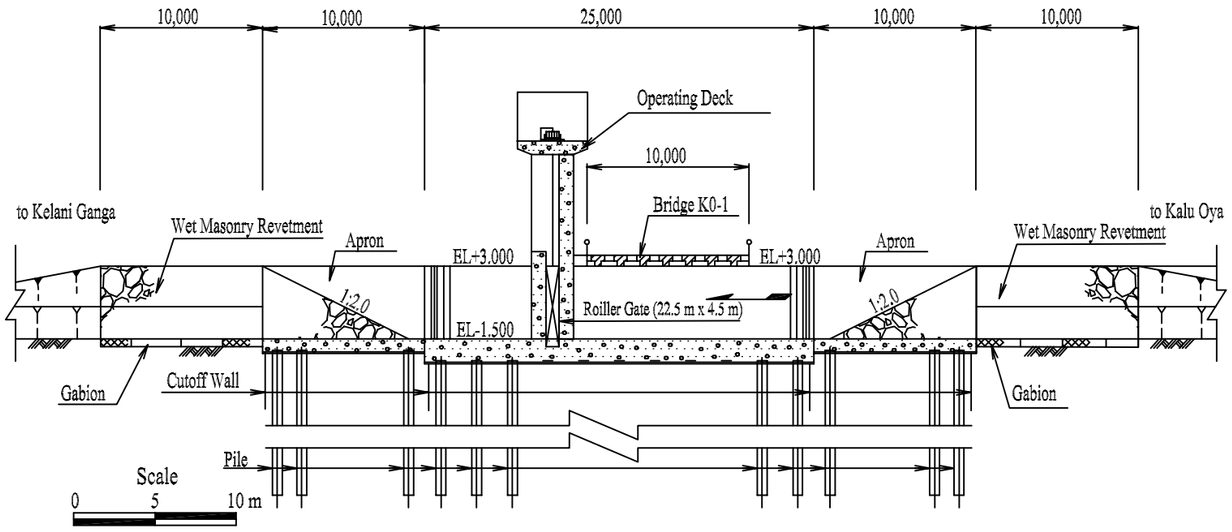
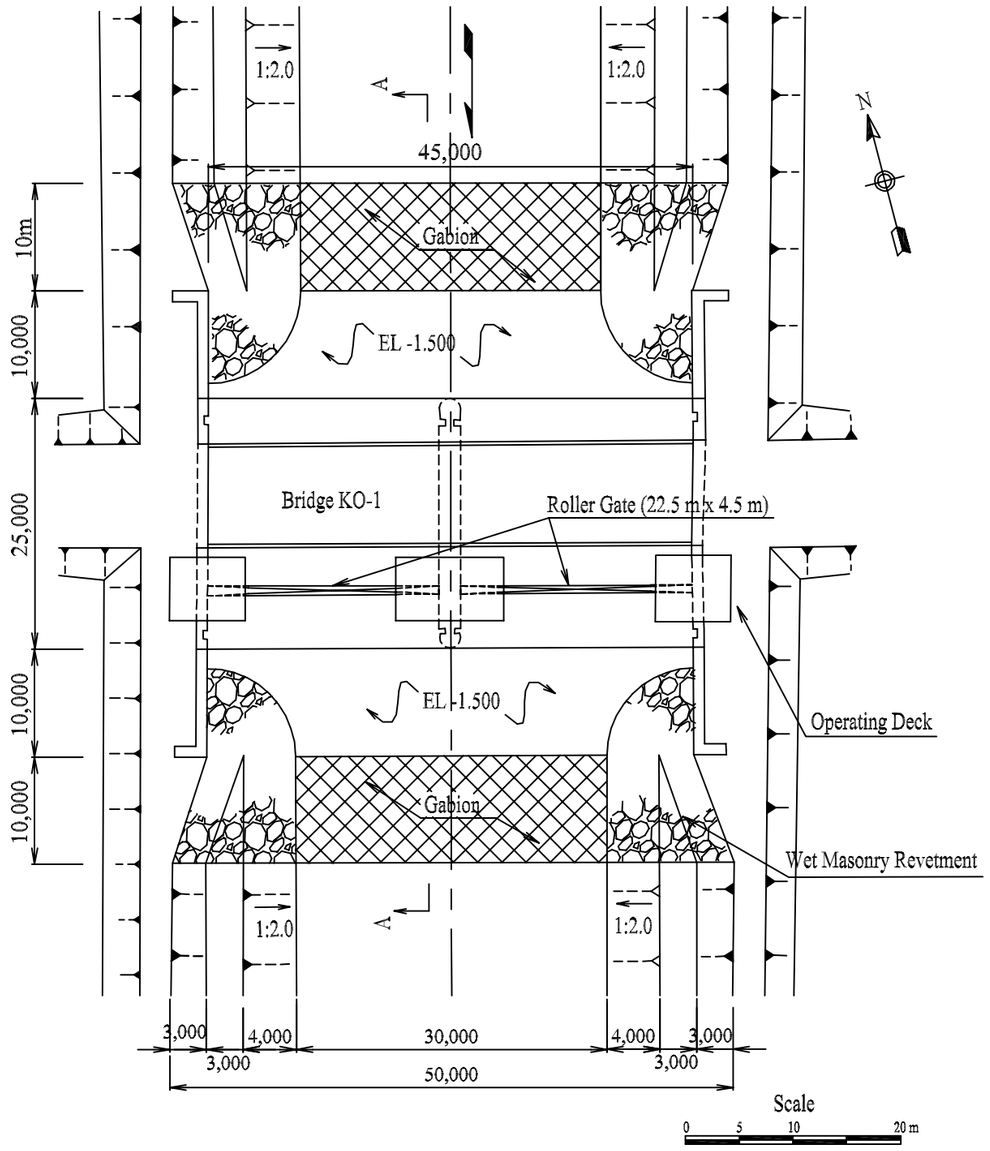


Location Map



Section A-A



Plan

The Study on Storm Water Drainage Plan for the Colombo Metropolitan Region in the Democratic Socialist Republic of Sri Lanka	Figure 4.27 Preliminary Design of Proposed Wattala Gate of Kalu Oya Channel Improvement
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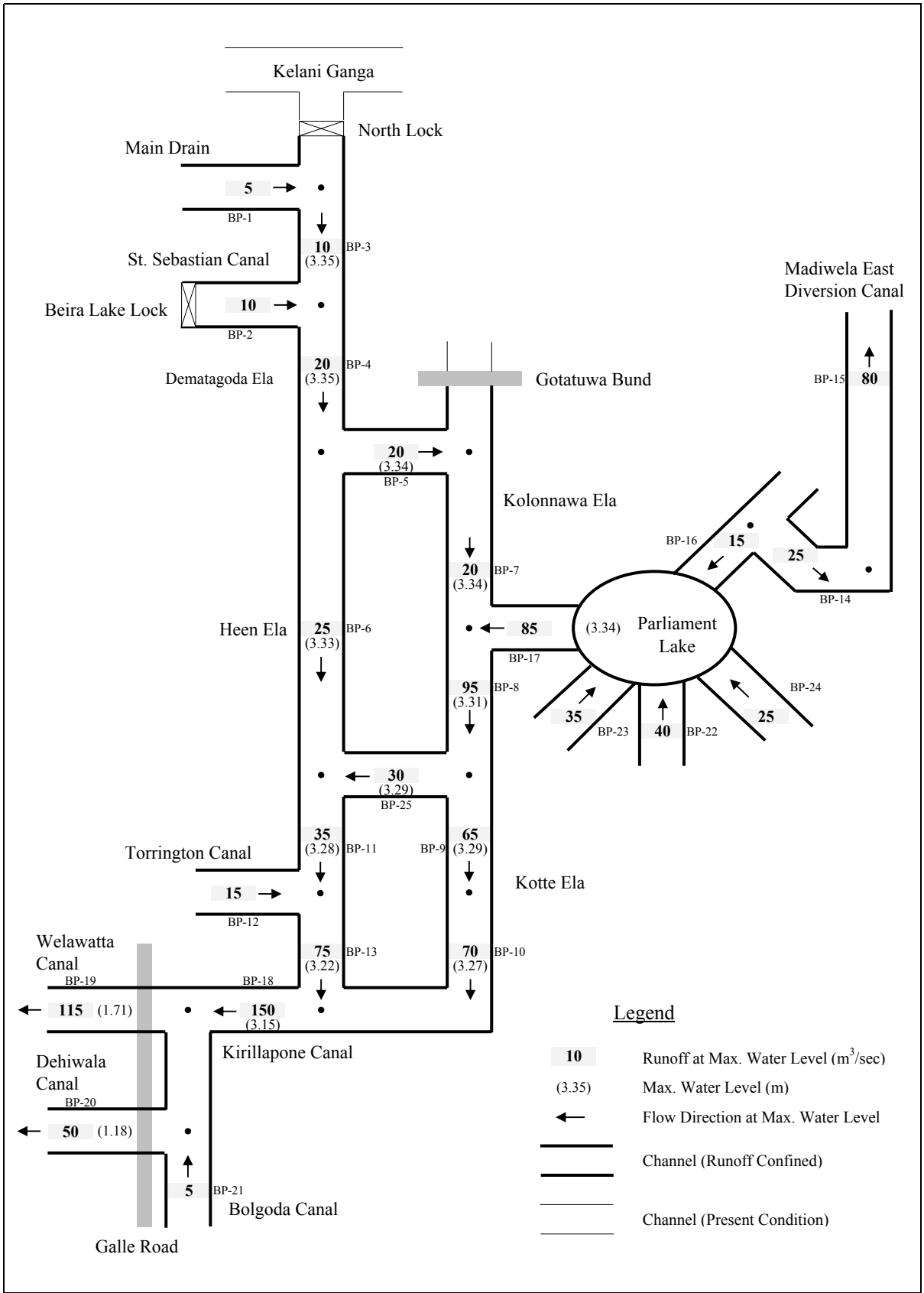

The Study on Storm Water Drainage Plan for the Colombo Metropolitan Region in the Democratic Socialist Republic of Sri Lanka	Figure 4.28 Diagram of Basic Flood Runoff Distribution in Greater Colombo Basin (50-year Return
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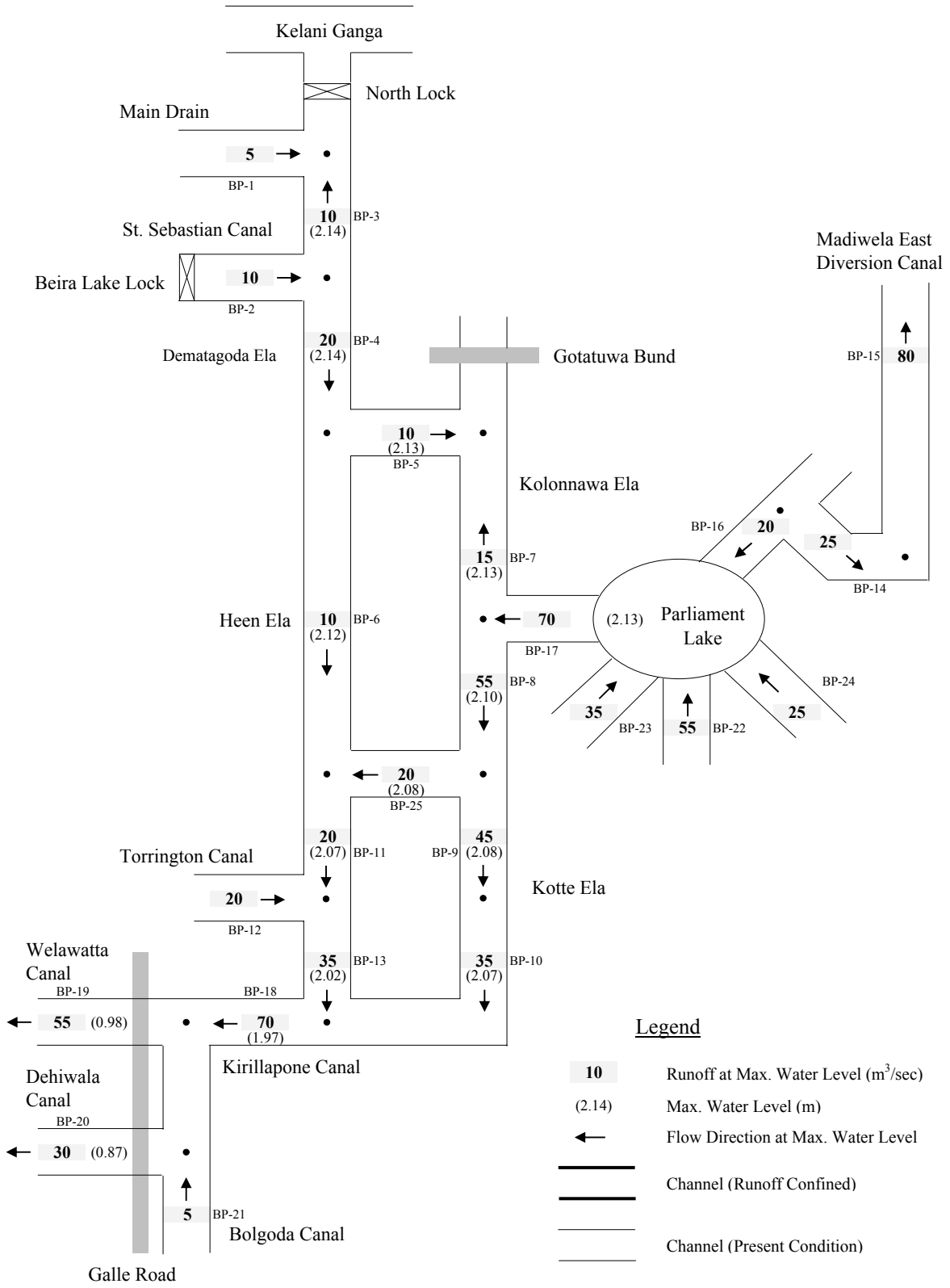

The Study on Storm Water Drainage Plan for the Colombo Metropolitan Region in the Democratic Socialist Republic of Sri Lanka	Figure 4.29 Diagram of Probable Flood Runoff Distribution in Greater Colombo Basin (50-year Return Period)
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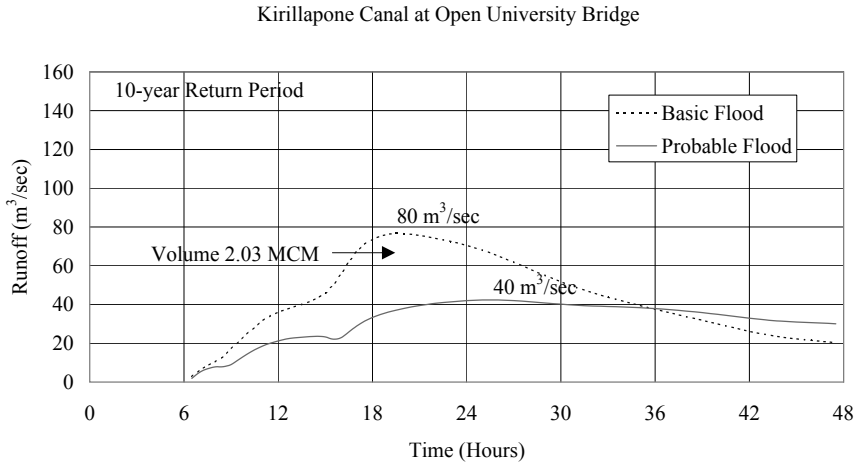

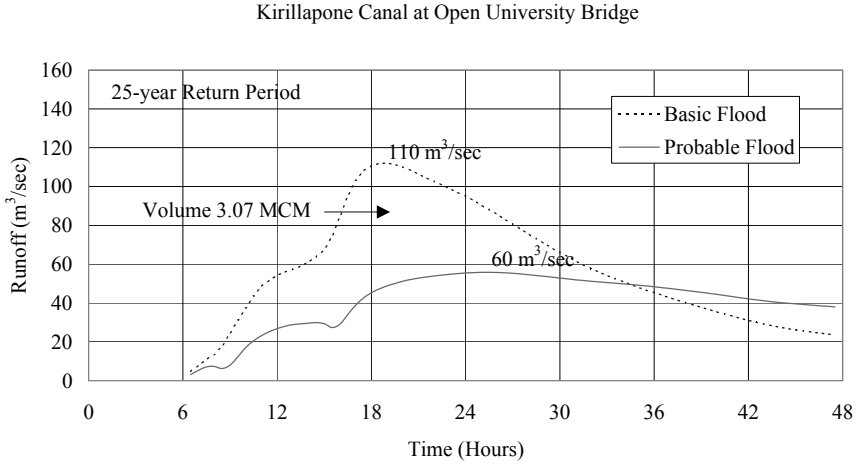

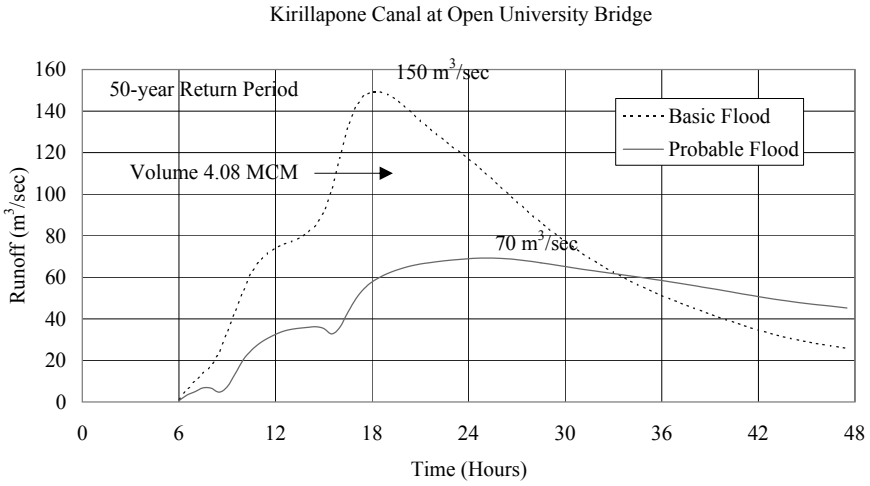

The Study on Storm Water Drainage Plan for the Colombo Metropolitan Region in the Democratic Socialist Republic of Sri Lanka	Figure 4.30 Runoff Hydrograph in Kirillapone Canal at Open University Bridge
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