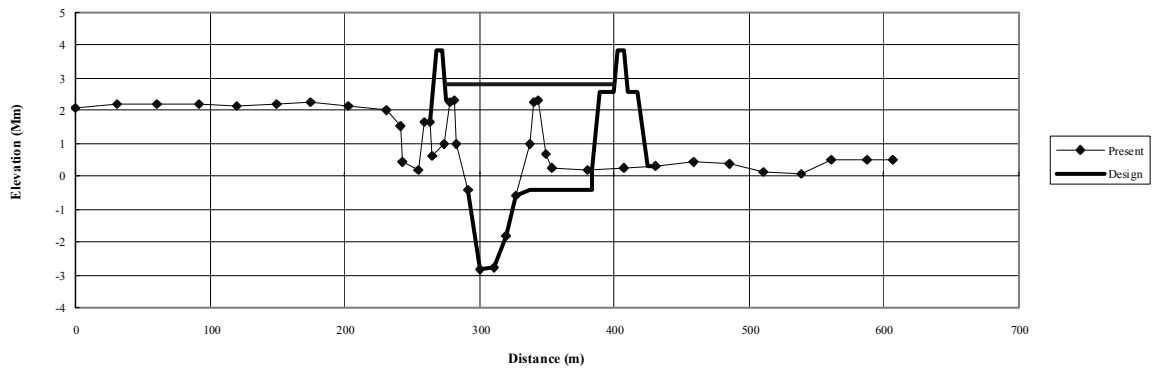
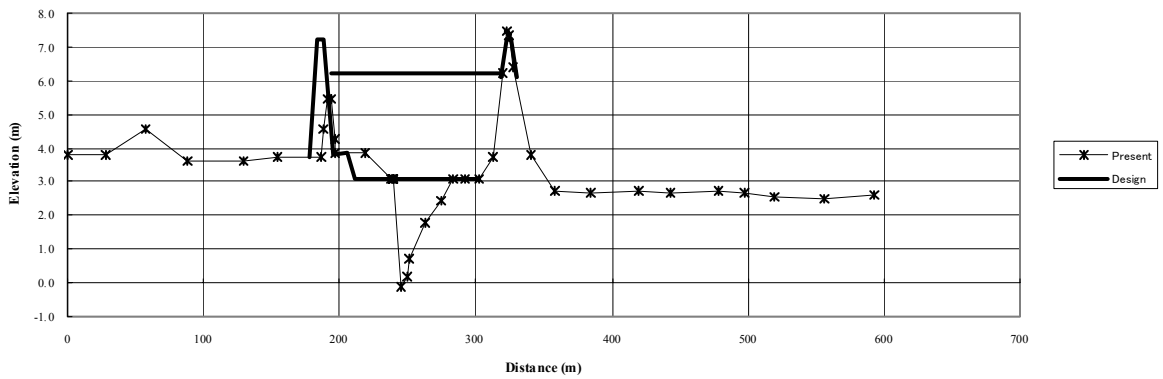


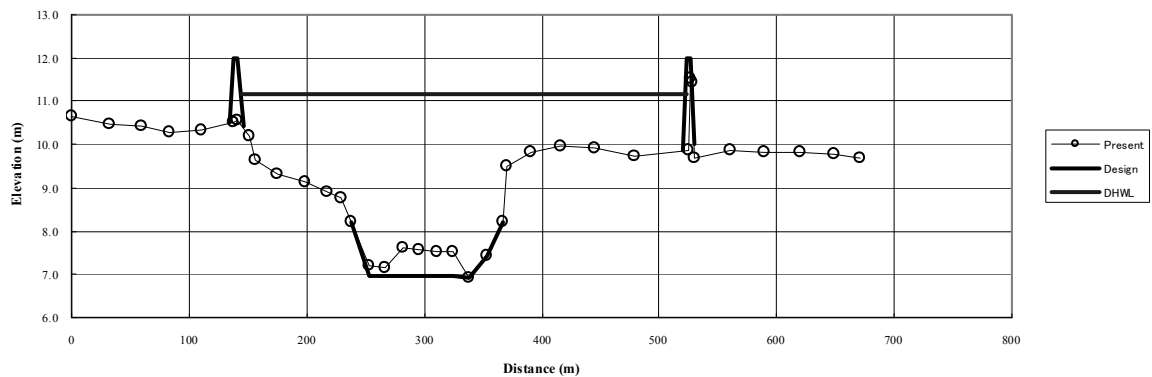
Design Cross Section of Dap Da River  
at DD63 Section



Typical Cross Section of Dap Da River  
at DD39



Typical Cross Section of Dap Da River  
at DD15

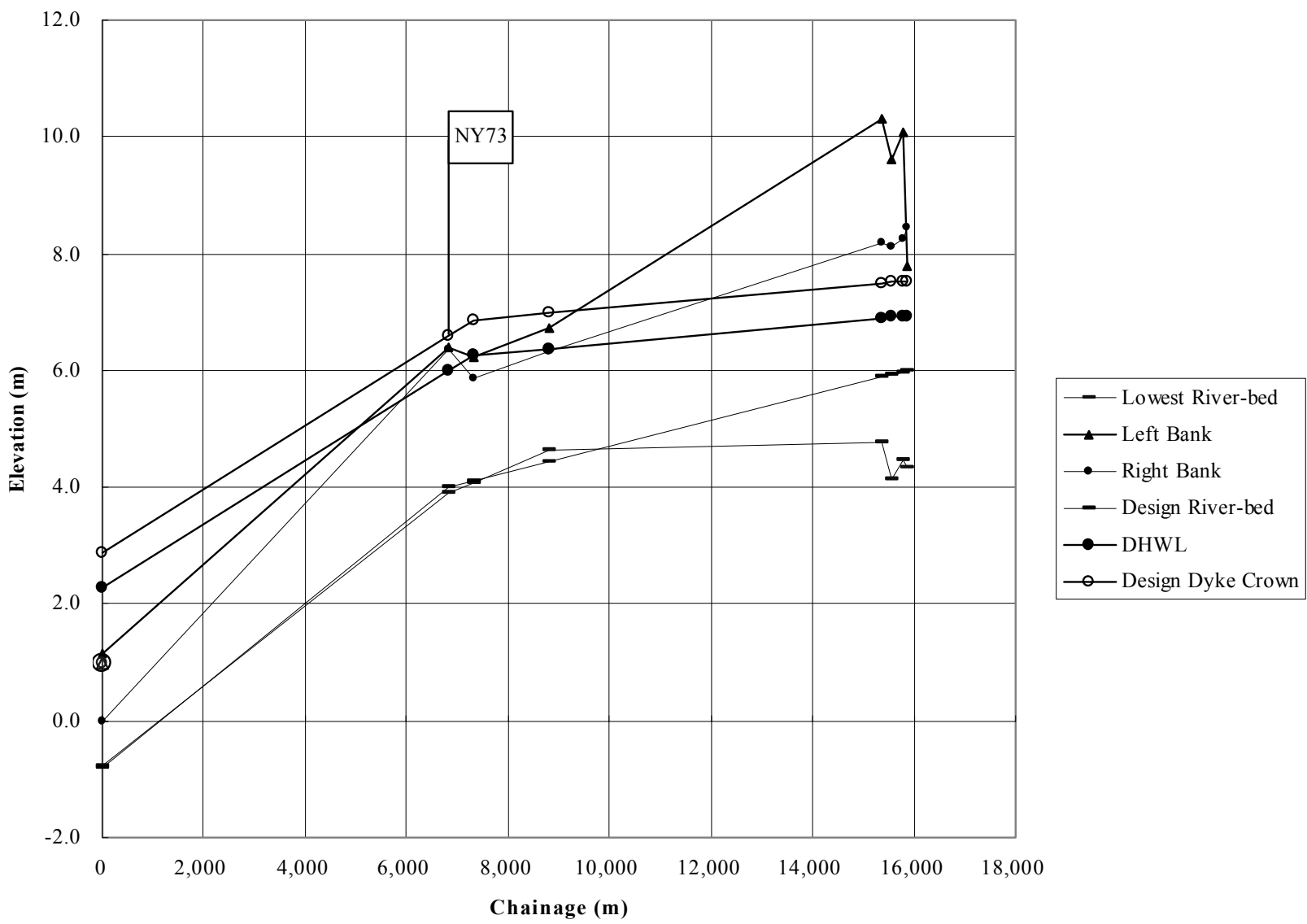


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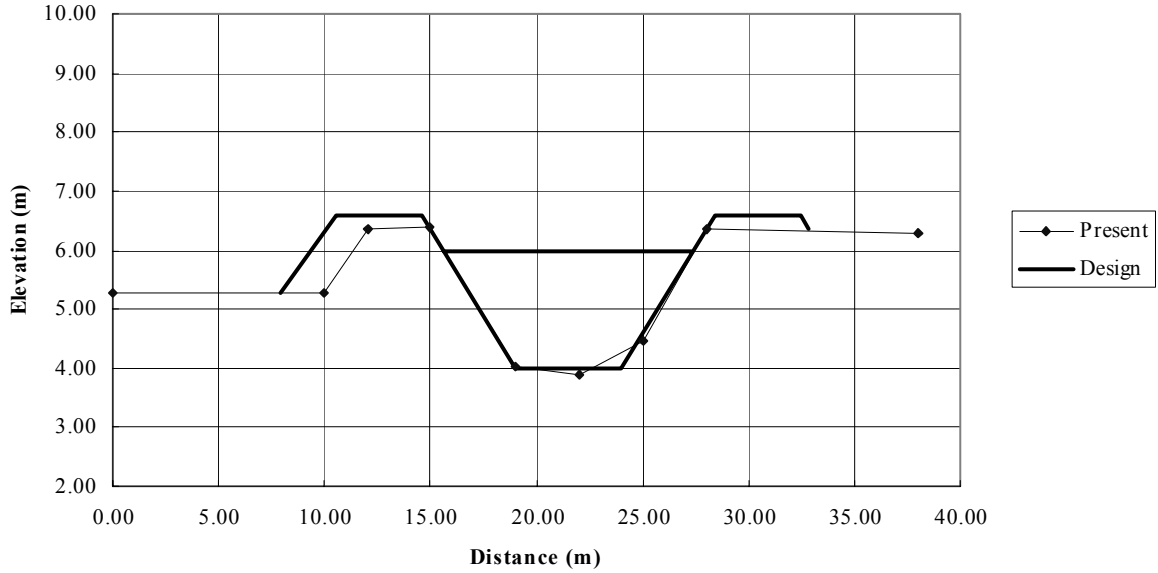
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Hình S4.16

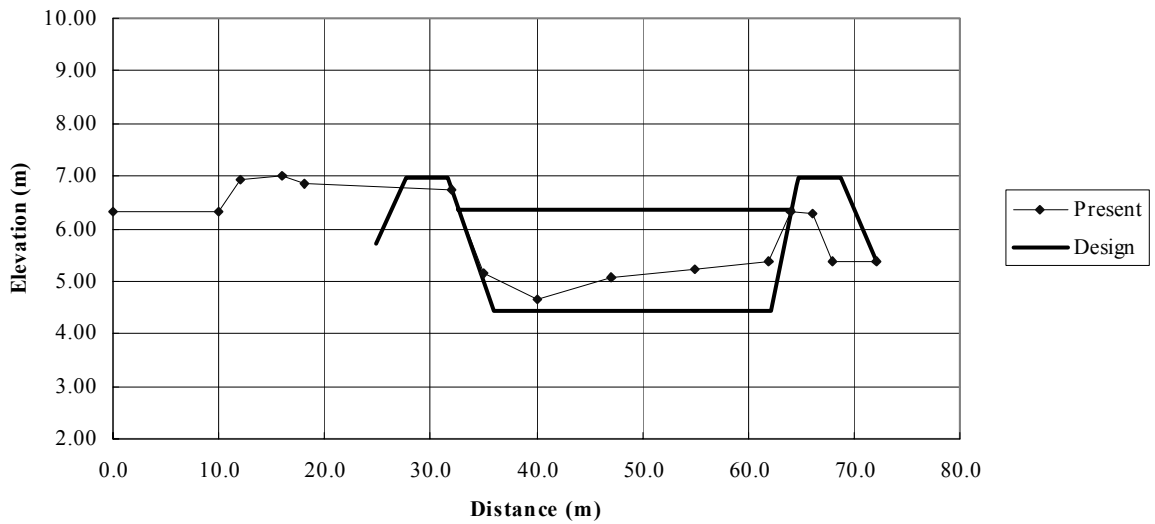
Mặt cắt ngang điển hình của sông Đập Đá

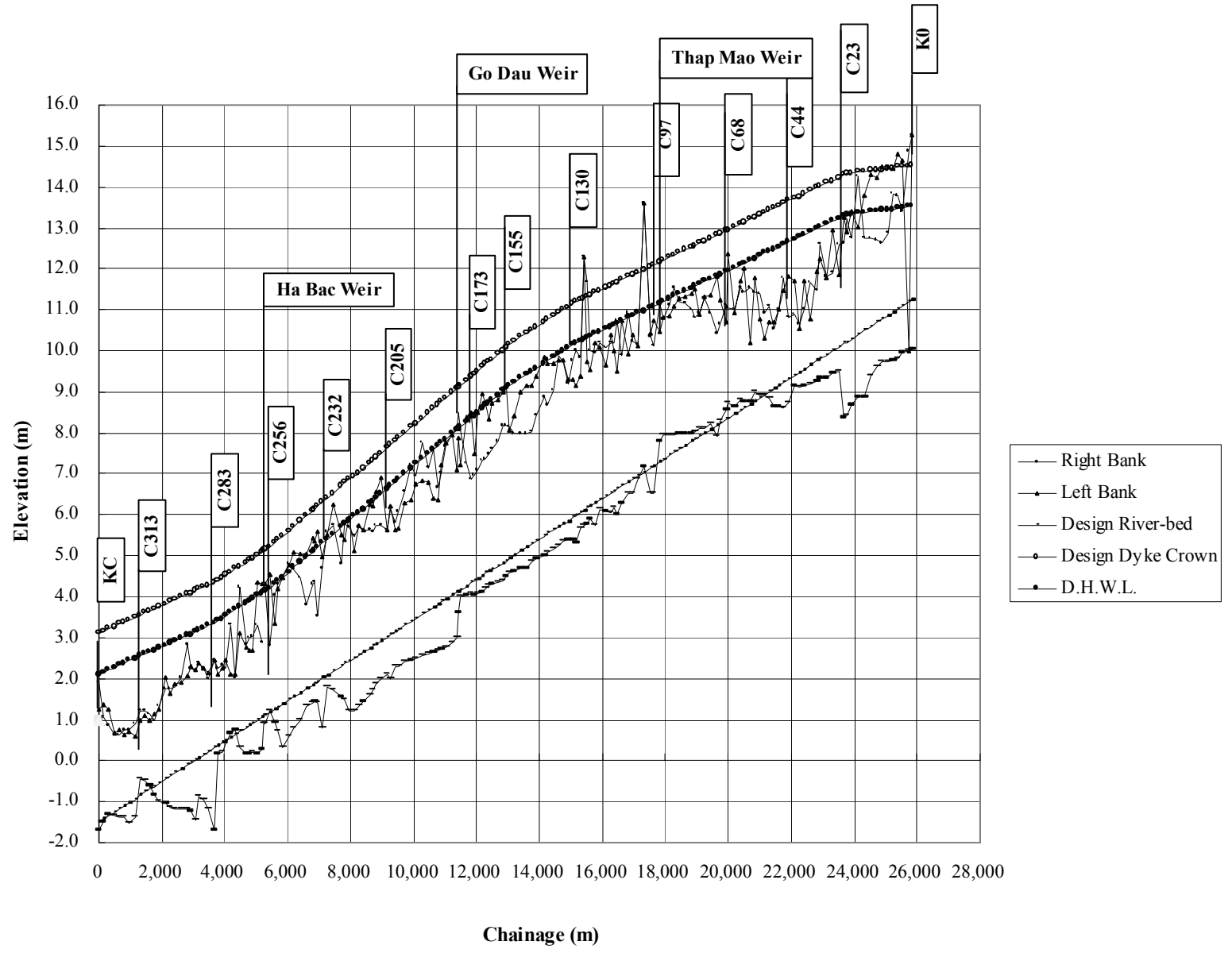


Typical Cross Sections of Nam Yang River  
at NY73

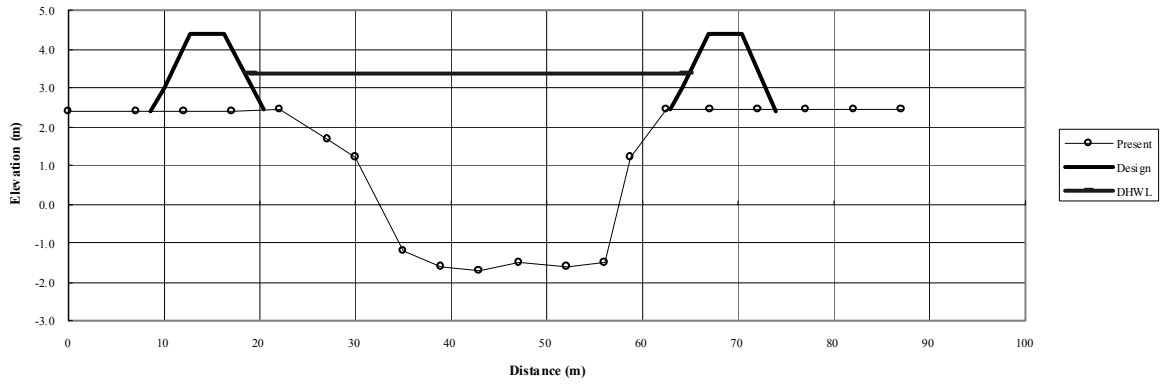


Typical Cross Section of Nam Yang River  
at NY76

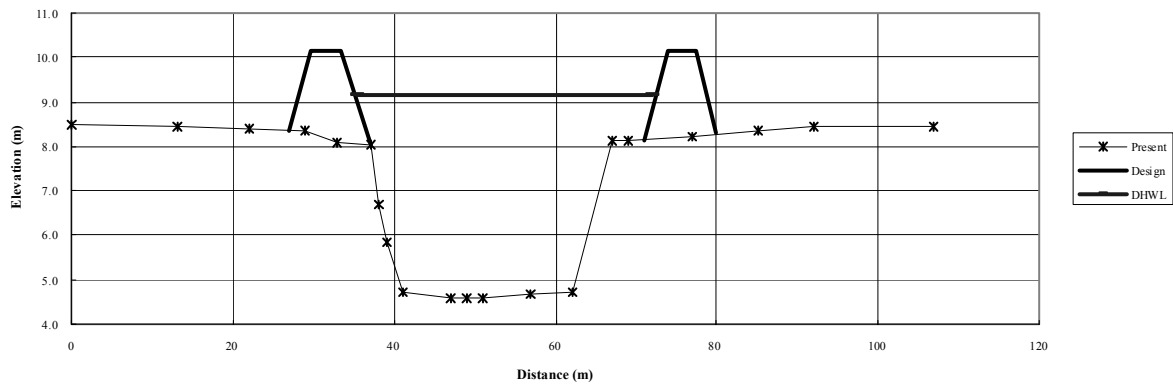




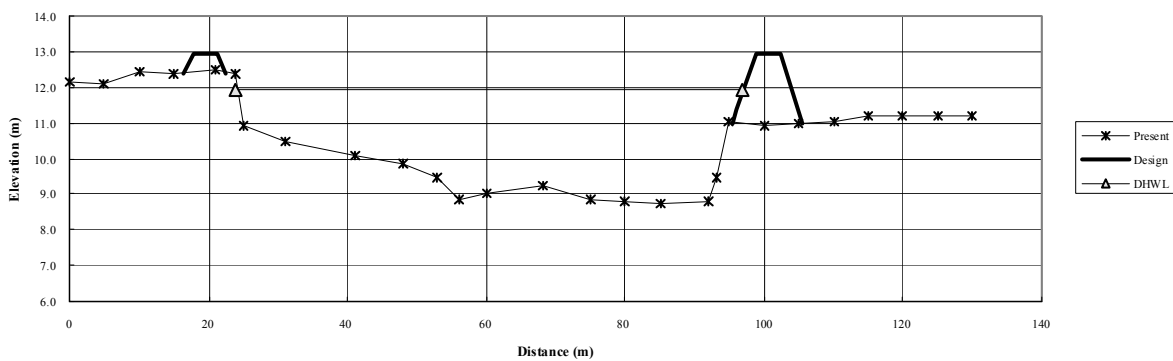
Typical Cross Section of Go Cham River  
at C283



Typical Cross Section of Go Cham River  
at C155



Typical Cross Section of Go Cham River  
at C68

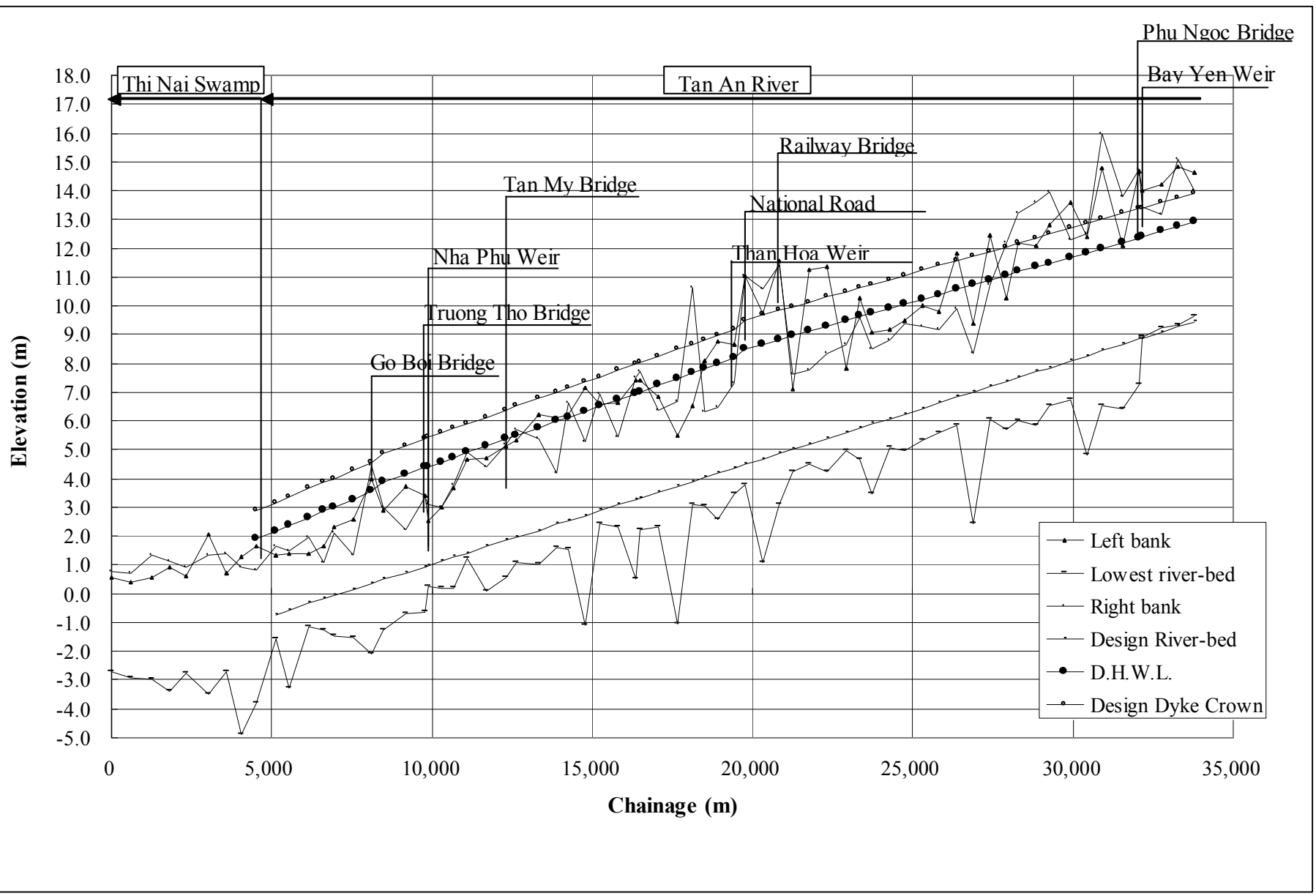


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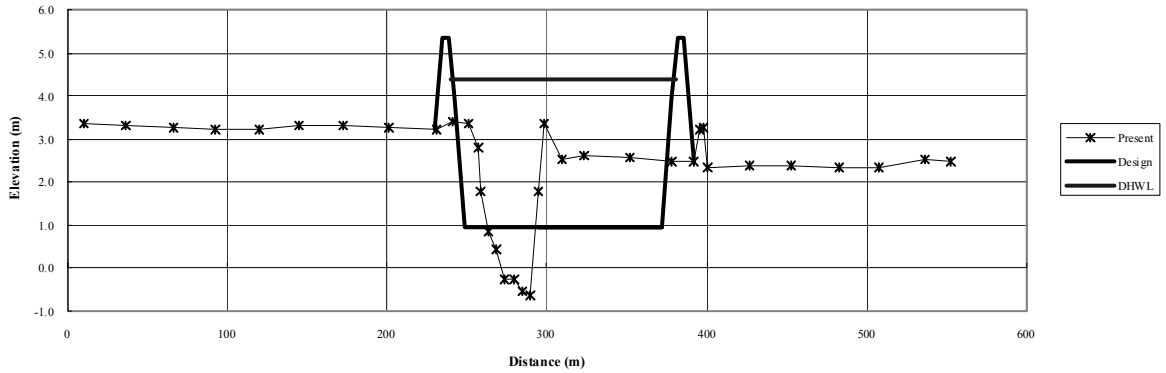
**Hình S4.20**

**Mặt cắt ngang điển hình của sông Gò Chàm**

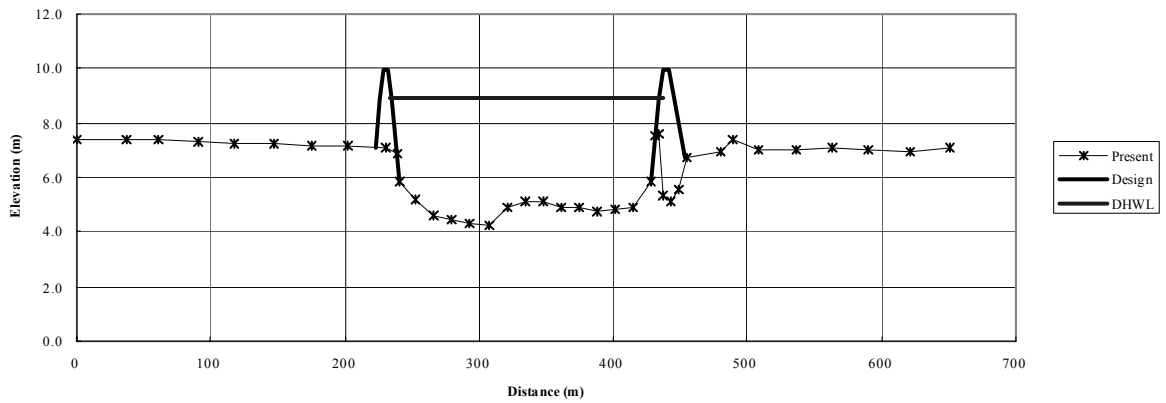




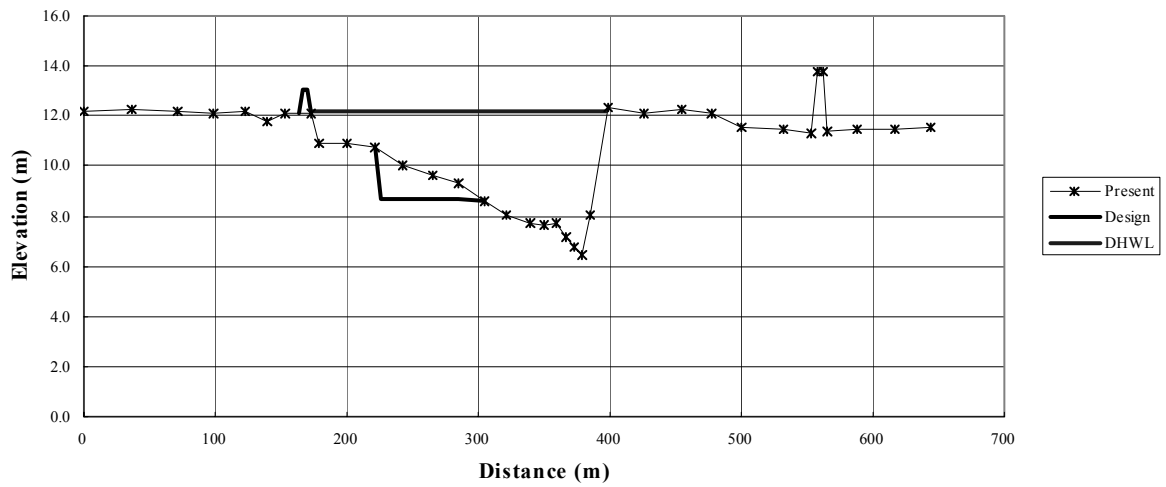
Typical Cross Section of Tan An River  
at TA71

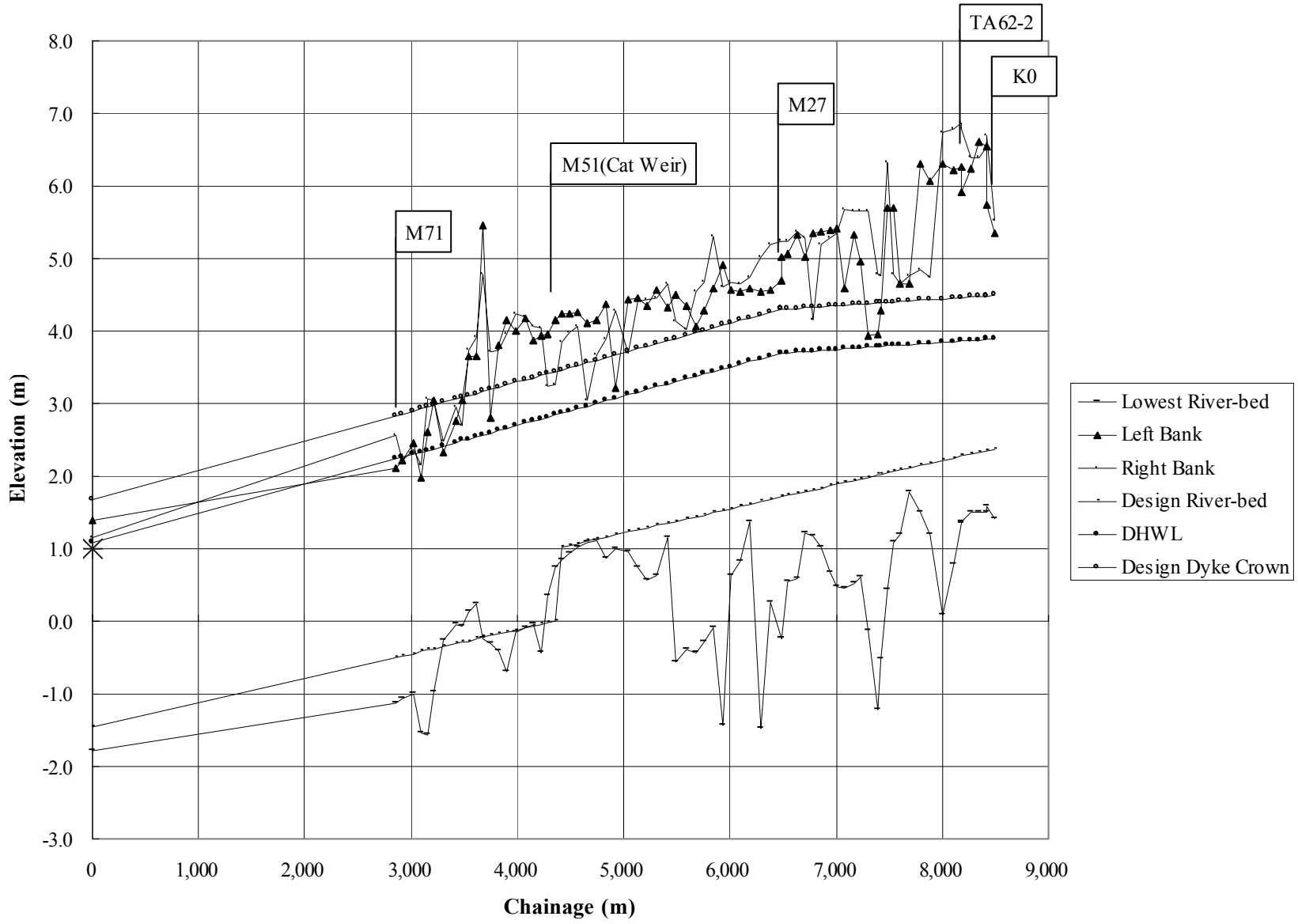


Typical Cross Section of Tan An River  
at TA46

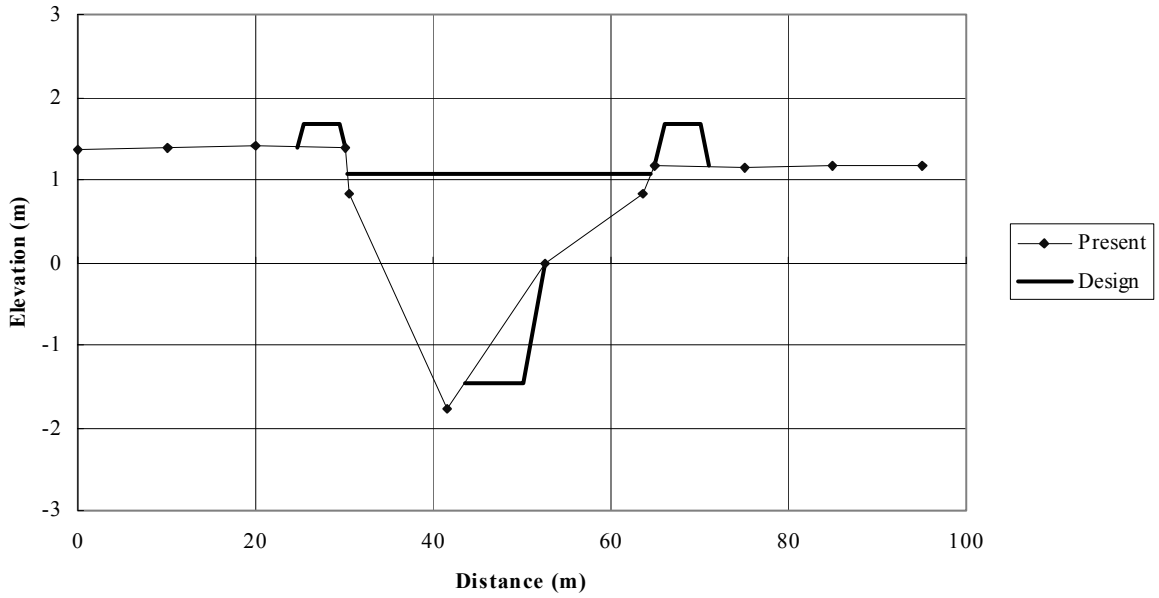


Typical Cross Section of Tan An River  
at TA26

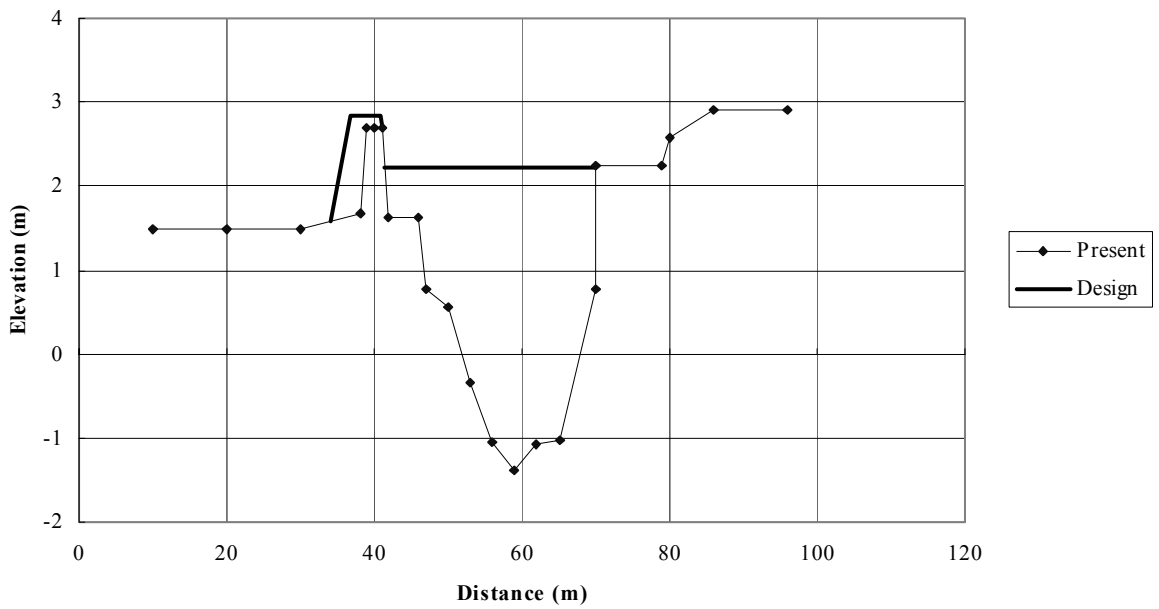




Typical Cross Section of Cay My River at CM0



Typical Cross Section of Cay My River at M71



Hình S4.25 Tiến độ xây dựng cho qui hoạch phòng chống lũ tại hạ du

Description	Quantity	2011				2012				2013				2014				2015				2016				2017											
		A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M
1. Mobilization	L.S																																				
2. Preparatory Works	L.S																																				
3. Thi Nai Swamp																																					
3.1 Sea Dyke																																					
(1) Embankment	282,000 m3																																				
(2) Wet masonry	50,500 m3																																				
3.2 Improvement of Sluice Gates	69 nos																																				
3.3 Improvement of Spillway	1,475 m																																				
3.4 New Construction of Spillway	1,230 m																																				
4. Dap Da River																																					
4.1 Dyke																																					
(1) Excavation	1,265,000 m3																																				
(2) Embankment	1,104,000 m3																																				
4.2 Bridge	4 nos																																				
4.3 Side Overflow Soillway	2 nos																																				
4.4 New construction of sluice gates	12 nos																																				
4.5 Bank Protection Works	L.S																																				
4.6 Reconstruction of Irrigation Weir	2nos																																				
5. Go Cham River																																					
5.1 Dyke																																					
(1) Excavation	329,000 m3																																				
(2) Embankment	126,000 m3																																				
5.2 Bridge	4 nos																																				
5.3 Side Overflow Soillway	2 nos																																				
5.4 New Construction of Fixed Weir	1 no																																				
5.5 Reconstruction of Irrigation Weir	1 no																																				
5.6 Bank Protection Works	L.S																																				
6. Tan An River																																					
6.1 Dyke																																					
(1) Excavation	2,641,000 m3																																				
(2) Embankment	1,013,000 m3																																				
6.2 Bridge	3 nos																																				
6.3 Side Overflow Soillway	3 nos																																				
6.4 New construction of sluice gates	13 nos																																				
6.5 Improvement of Irrigation Weir	1 no																																				
6.6 Bank Protection Works	L.S																																				
7. Nam Yang River																																					
7.1 Dyke																																					
(1) Excavation	71,700 m3																																				
(2) Embankment	229,000 m3																																				
7.2 Bridge	2 nos																																				
7.3 New Construction of Sluice Gate	1 no																																				
7.4 Bank Protection Works	L.S																																				
8. Ca My River																																					
8.1 Dyke																																					
(1) Excavation	33,400 m3																																				
(2) Embankment	20,500 m3																																				
8.2 Bank Protection Works	L.S																																				
9. Kone River																																					
9.1 Groyne	6,550 m3																																				

Commissioning of Project

**Hình S4.26 Kế hoạch thực hiện chung theo công trình**

Description	Year																		
	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
<b>1. Dinh Binh Multipurpose Reservoir</b>																			
1.1 Preparatory Works																			
1.2 River Diversion																			
1.3 Dam																			
- Dam Excavation																			
- Foundation Treatment																			
- Concrete Dam																			
1.4 Hydromechanical Works																			
1.5 Hydropower																			
- Powerhouse																			
- Generating Equipment																			
- Substation																			
1.6 Relocation Road																			
1.7 High Voltage Line																			
1.8 Financial Arrangement																			
1.9 Land Acquisition and Resettlement																			
1.10 Engineering Services by Consultants																			
<b>2. Van Phong Weir and Irrigation and Drainage System</b>																			
3.1 Preparatory Works																			
3.2 Van Phong Weir																			
- River Diversion and Cofferdam																			
- Weir																			
- Scouring Sluice and Intake Facilities																			
- Flood Dyke																			
3.3 Rehabilitation Works of Existing Weirs																			
- 7 Weirs																			
3.4 Construction of New Pumping Station																			
- 6 places																			
3.5 Main Irrigation System																			
- Canal																			
- Related Structures																			
3.6 Primary and Secondary Irrigation System																			
- Canal																			
- Related Structures																			
3.7 Drainage System																			
- Drain																			
- Related Structures																			
3.8 Farm Road Network																			
- Road																			
- Related Structures																			
3.9 On-farm System																			
- Improvement of Existing Facilities																			
- Rehabilitation and Improvement of Facilities																			
- New Construction of Facilities																			
3.10 Financial Arrangement																			
3.11 Land Acquisition and Resettlement																			
3.12 Engineering Services by Consultants																			
<b>3. Downstream Flood Control System</b>																			
3.1 Preparatory Works																			
3.2 Thi Nai Swamp																			
- Sea Dyke																			
- Improvement of Sluice Gates																			
- Improvement of Spillway																			
- New Construction of Spillway																			
3.3 Dap Da River																			
- Dyke																			
- Bridges																			
- Side Overflow Spillway																			
- New Construction of Sluice Gates																			
- Bank Protection works																			
- Reconstruction of Irrigation Weir																			
3.4 Go Cham River																			
- Dyke																			
- Bridges																			
- Side Overflow Spillway																			
- New Construction of Fixed Weir																			
- Reconstruction of Irrigation Weir																			
- Bank Protection works																			
3.5 Tan An River																			
- Dyke																			
- Bridges																			
- Side Overflow Spillway																			
- New Construction of Sluice Gates																			
- Improvement of Irrigation Weir																			
- Bank Protection works																			
3.6 Nam Yang River																			
- Dyke																			
- Bridges																			
- New Construction of Sluice Gates																			
- Bank Protection works																			
3.7 Ca My River																			
- Dyke																			
- Bank Protection works																			
3.8 Kone River																			
- Groyne																			
3.9 Financial Arrangement																			
3.10 Land Acquisition and Resettlement																			
3.11 Engineering Services by Consultants																			

Note : Marked with == means design and manufacturing period.

**Hình S4.27 Kế hoạch thực hiện chung theo khu vực**  
**Kone River Basin**

Description	Year																		
	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
<b>1. Study on Nationwide Water Resources</b>																			
Kone River Basin Master Plan																			
Kone River Basin Feasibility Study																			
<b>2. Dinh Binh Multipurpose Reservoir</b>																			
2.1 Financial Arrangement																			
2.2 Approval of Project and Arrangement by GOV																			
2.3 Procurement of Consultant																			
2.4 Engineering Services (Basic Design, Detailed Design and Supervision)																			
2.5 Pre-qualification Tendering																			
2.6 International Competitive Bidding																			
2.7 Land Acquisition and Resettlement																			
2.8 Dinh Binh Reservoir Project (Concrete Dam)																			
2.9. Relocation Road																			
<b>3. Van Phong Weir and Irrigation and Drainage System</b>																			
3.1 Financial Arrangement																			
3.2 Approval of Project and Arrangement by GOV																			
3.3 Procurement of Consultant																			
3.4 Engineering Services (Basic Design, Detailed Design and Supervision)																			
3.5 Pre-qualification Tendering																			
3.6 International Competitive Bidding																			
3.7 Land Acquisition and Resettlement																			
3.8 Flood Control Facilities																			
<b>4. Downstream Flood Control Plan</b>																			
4.1 Financial Arrangement																			
4.2 Approval of Project and Arrangement by GOV																			
4.3 Procurement of Consultant																			
4.4 Engineering Services (Basic Design, Detailed Design and Supervision)																			
4.5 Pre-qualification Tendering																			
4.6 International Competitive Bidding																			
4.7 Land Acquisition and Resettlement																			
4.8 Irrigation and Drainage facilities																			