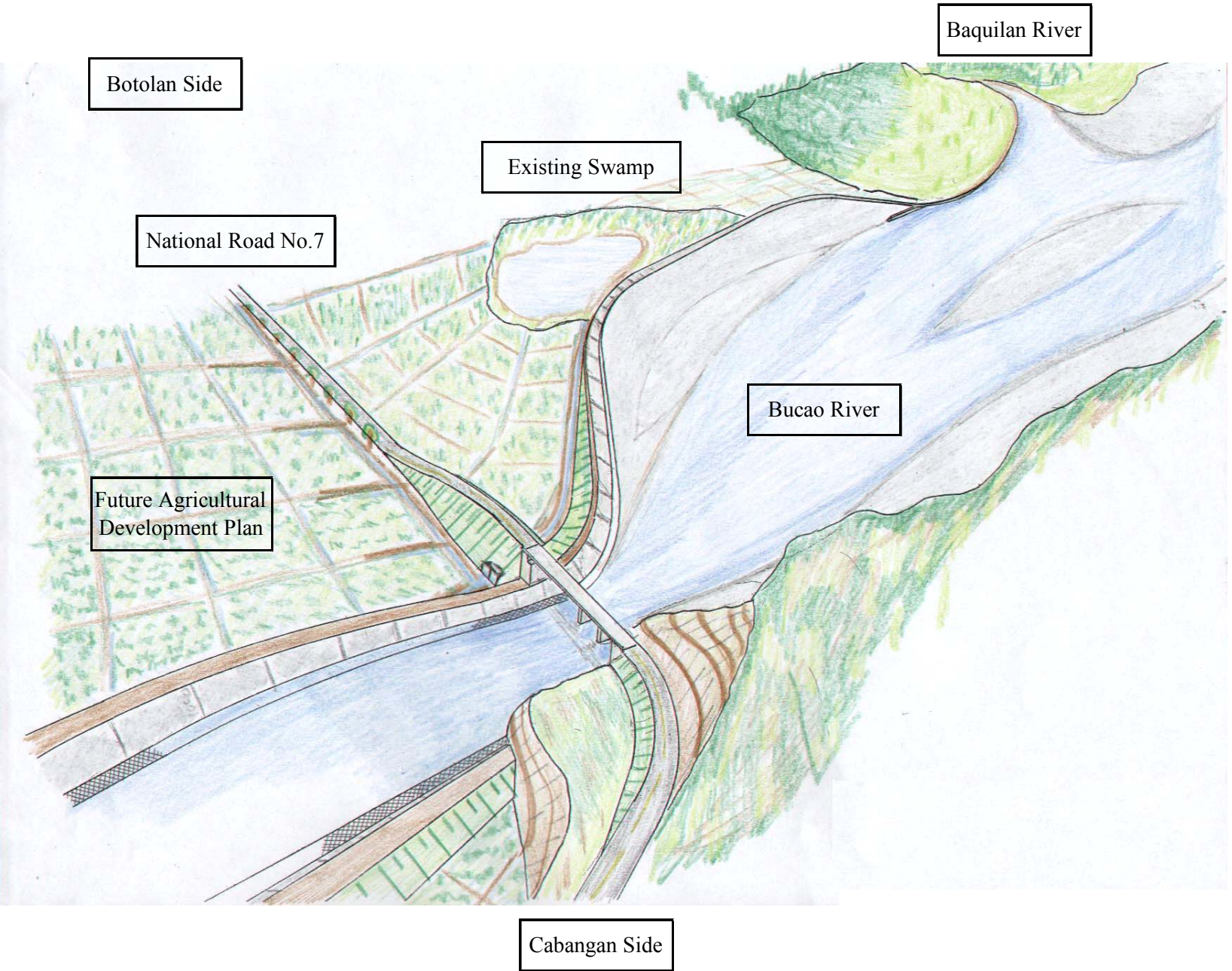


Figure 1.7.9
Presumed Riverbed Change after 20 Years
with One-Dimensional Sediment Transport
Analysis in the Sto. Tomas River



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Figure 1.8.1

**Imaged Perspective Drawing of Proposed
Dike Heightening in the Bucao River**

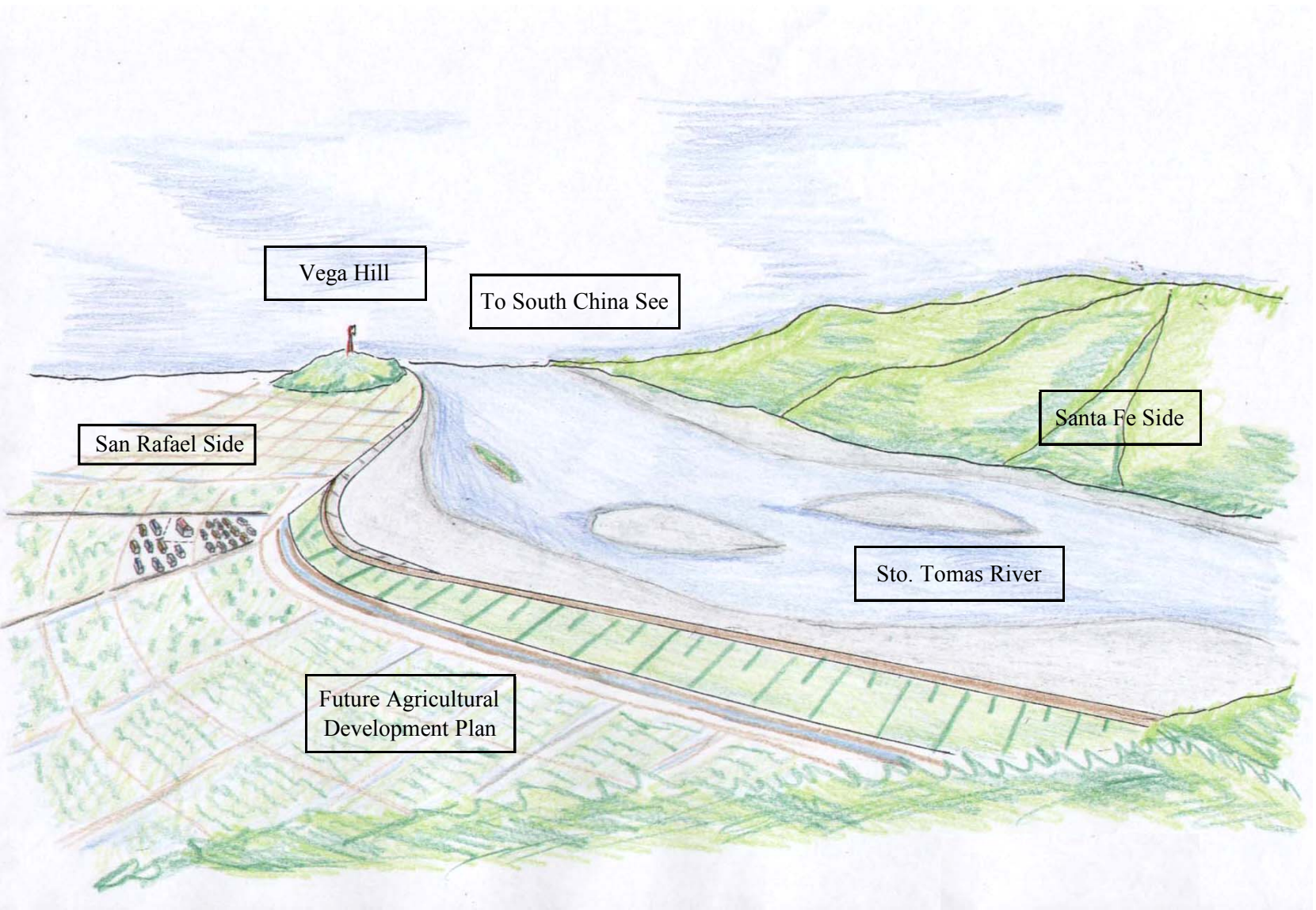
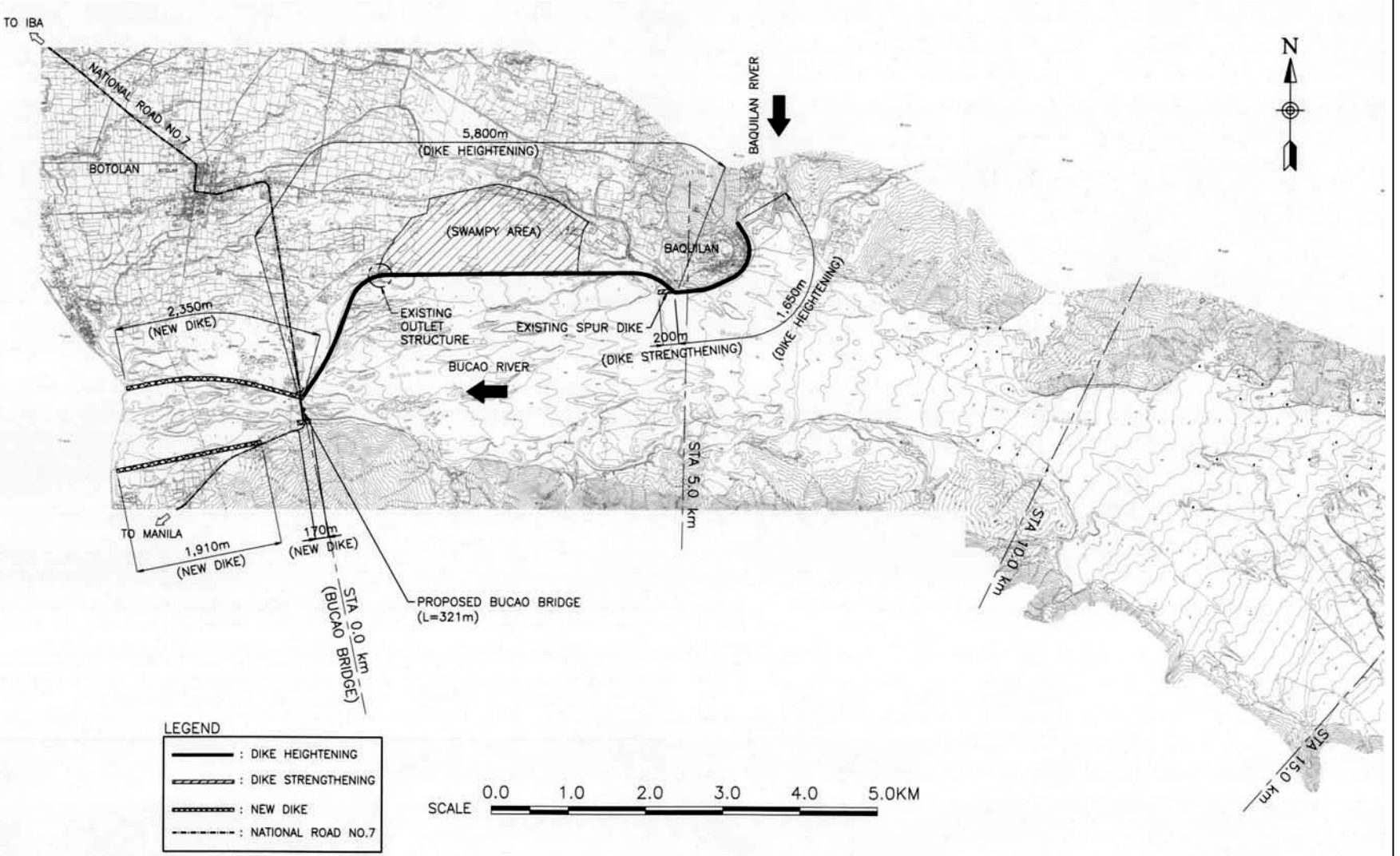


Figure 1.8.2
**Imaged Perspective Drawing of Proposed
Dike Strengthening in the Middle reaches of
the Sto. Tomas River**



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Figure 2.2.1

**General Plan of Proposed River Improvement
in the Bucao River**

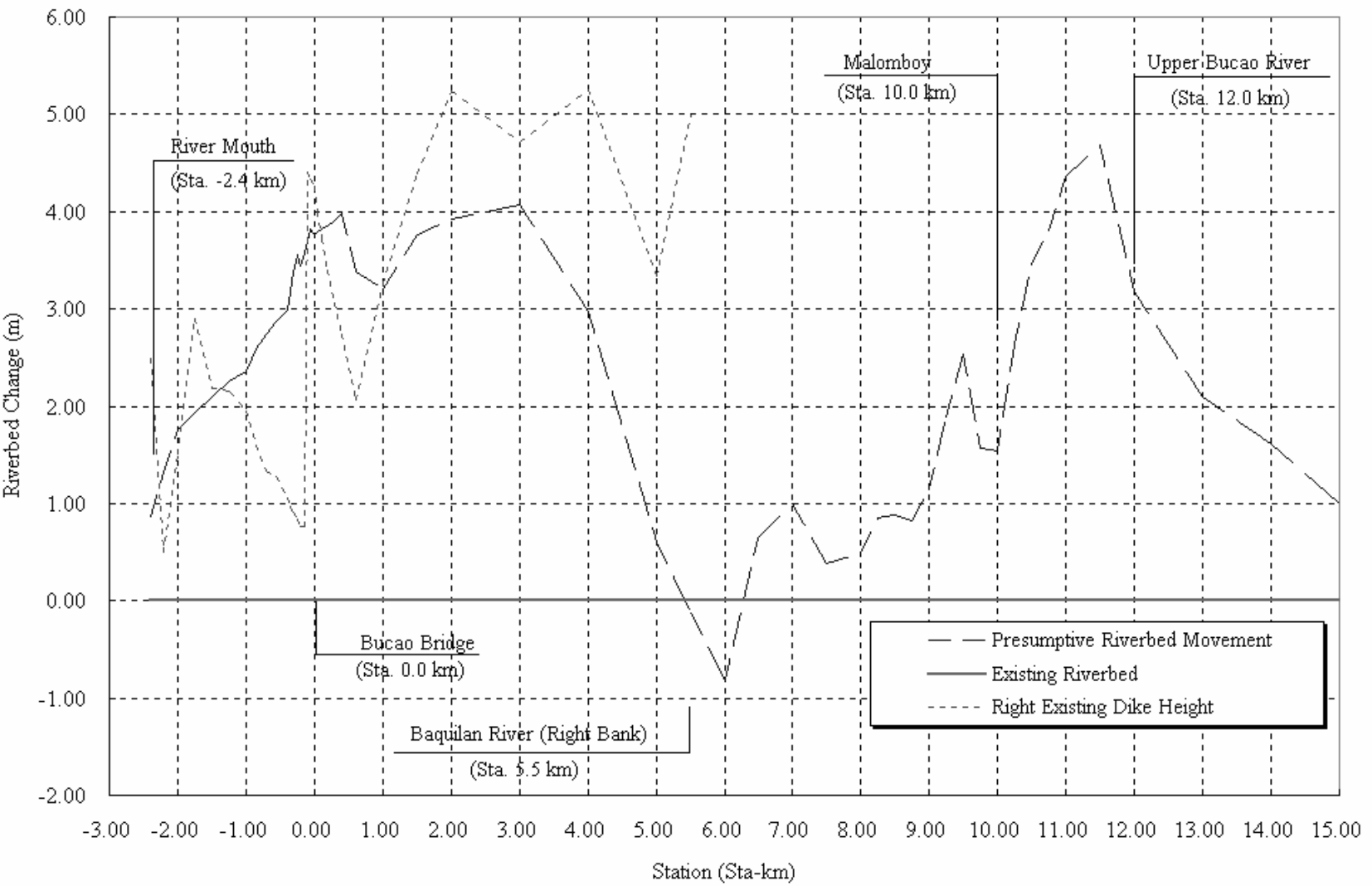


Figure 2.2.2

Presumptive Riverbed Change after 20 years
in the Bucao River

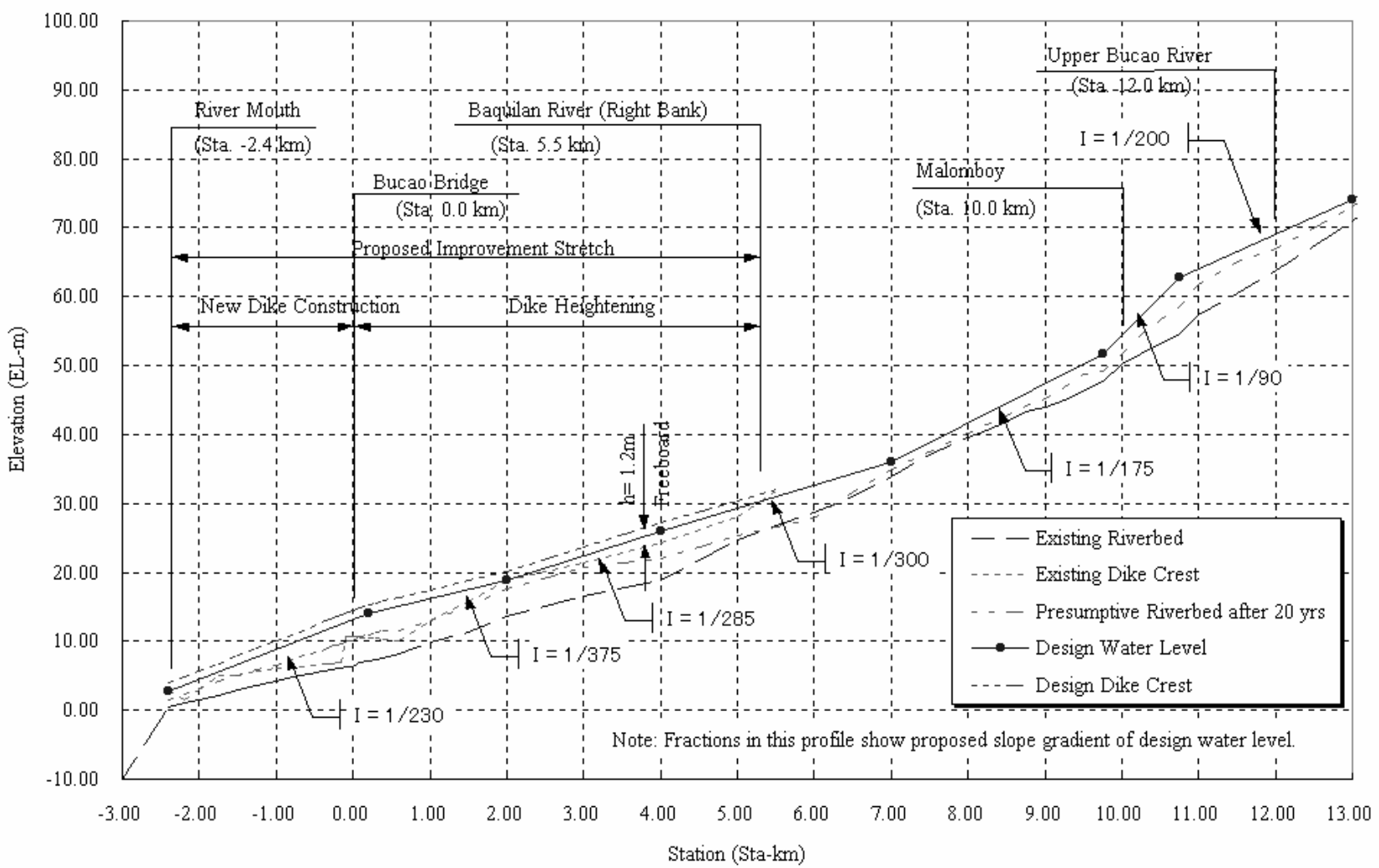
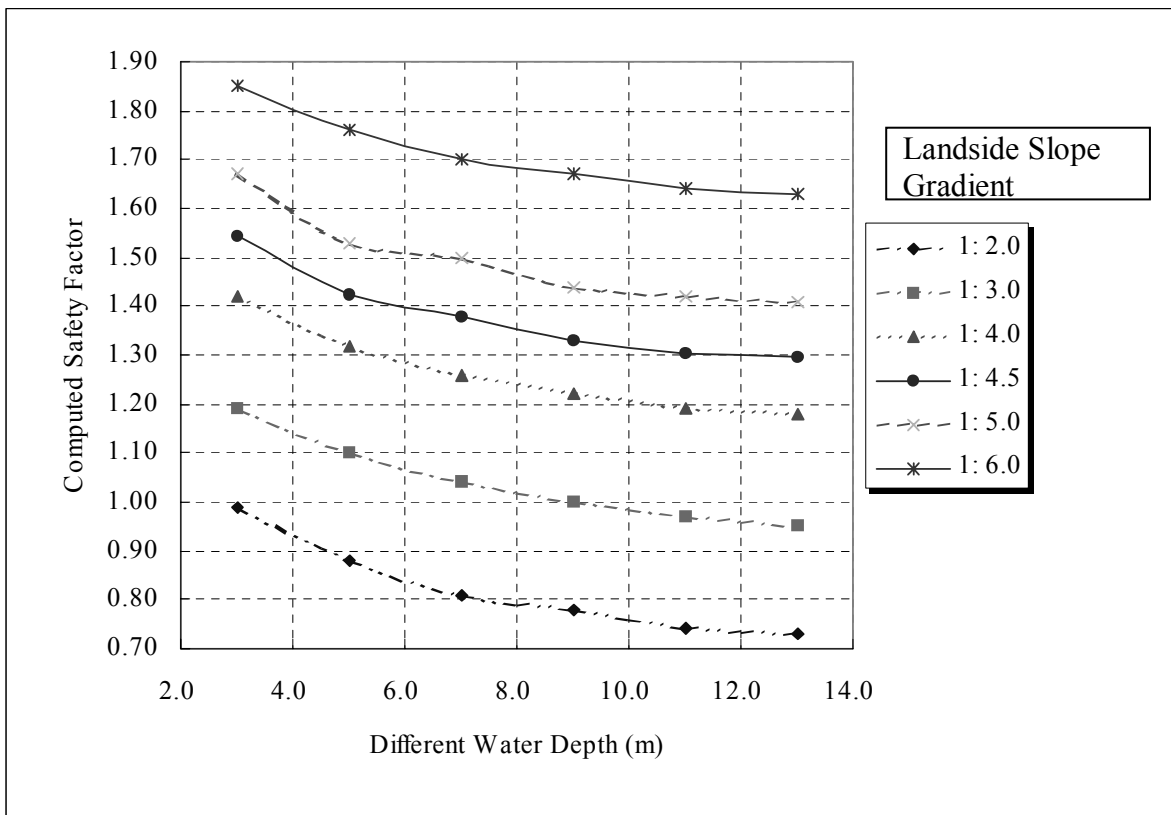
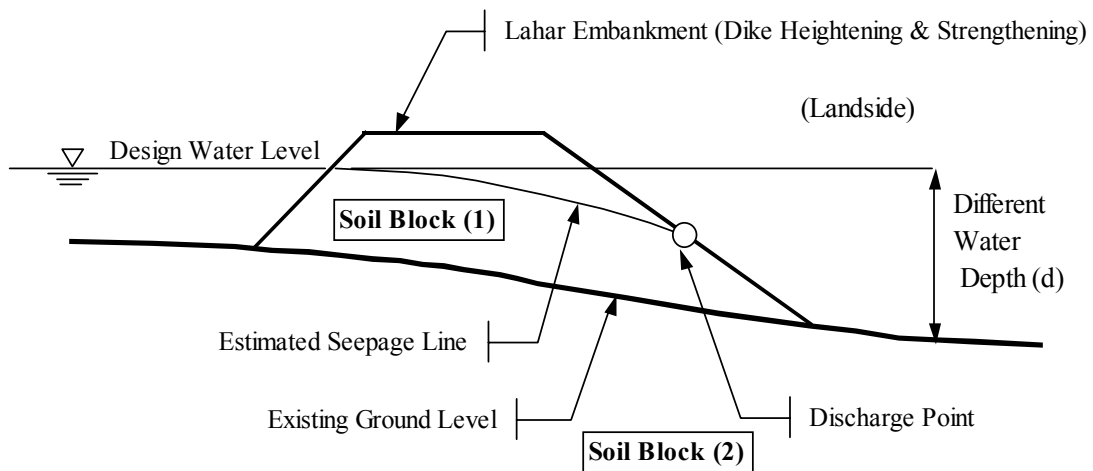


Figure 2.2.3

Longitudinal Profile of Proposed River
Improvement in the Bucao River



Relation Between Different Water Depth and Computed Landside Slope Failure

Estimated Soil Properties

Soil Block	Average N-Value	Unit Wet Weight	Unit Saturated Weight	Unit Submergible Weight	Resistant Angle	Cohesion
Unit	N	γ_t (kN/m ³)	γ_{sat} (kN/m ³)	γ' (kN/m ³)	ϕ	C (kN/m ²)
(1)	15	17.0	19.0	7.0	30.0	0.0
(2)	9	16.0	18.0	6.0	27.0	0.0

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Figure 2.3.1

Results of Computed Landside Slope Failure

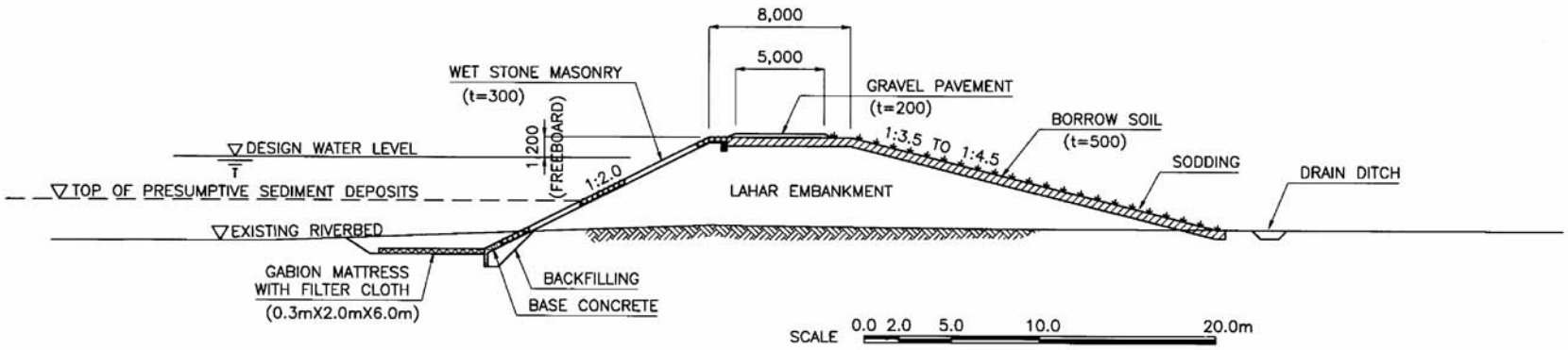


Figure 2.3.3
Typical Cross Section of Proposed New Dike
in the Bucaao River