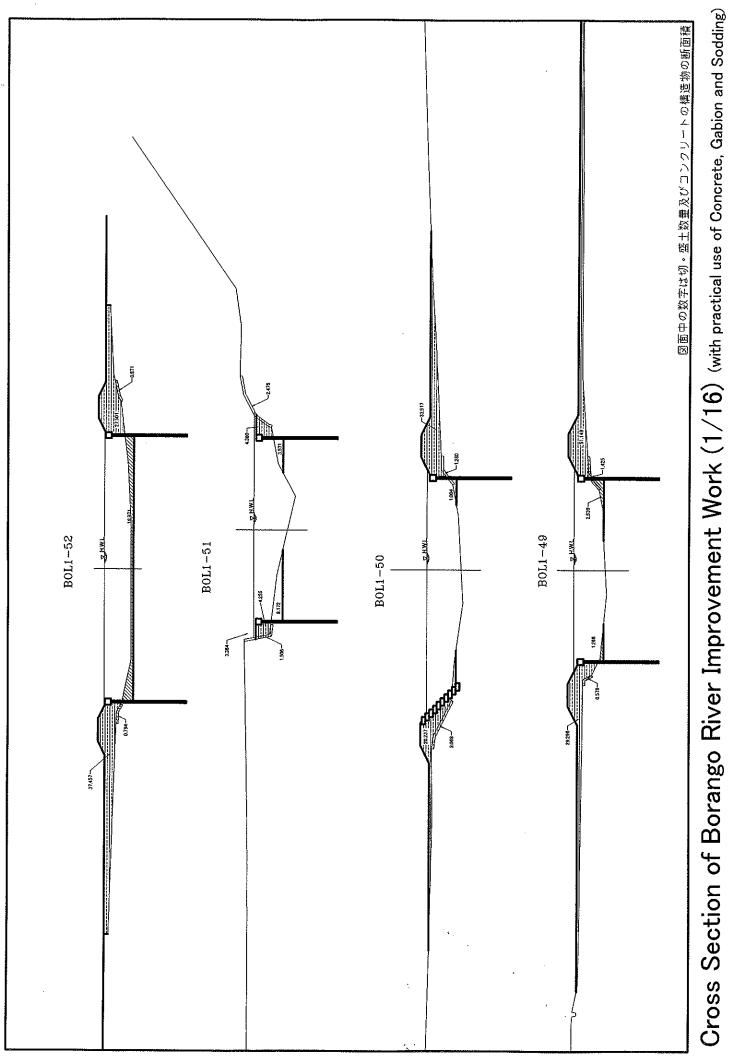
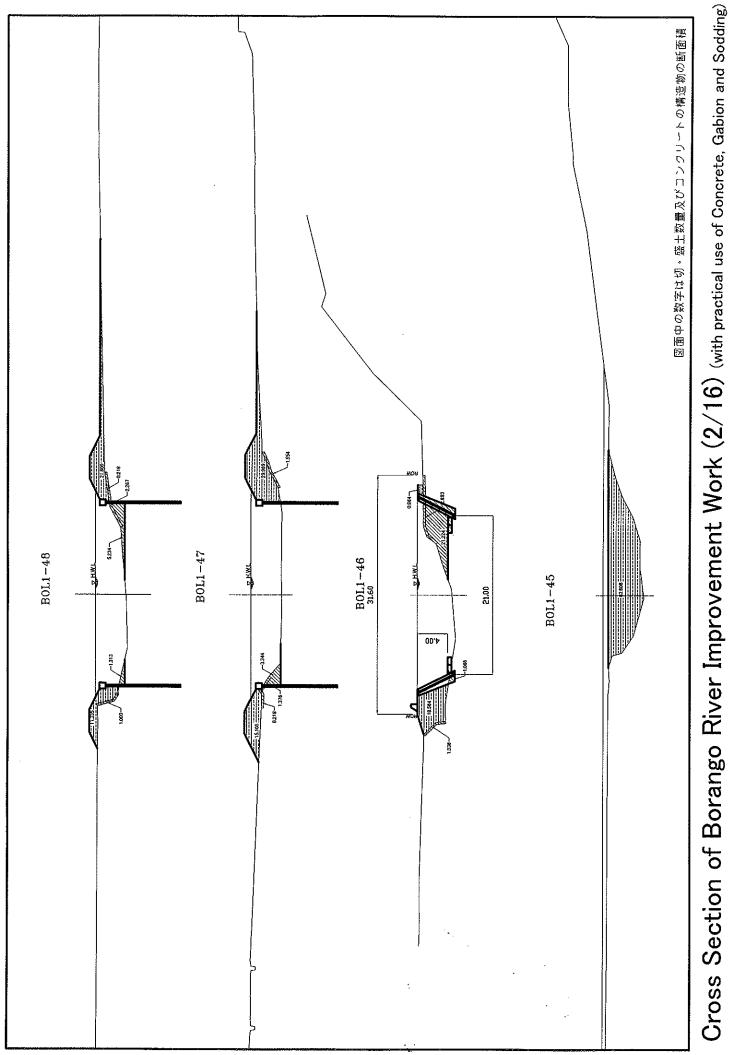
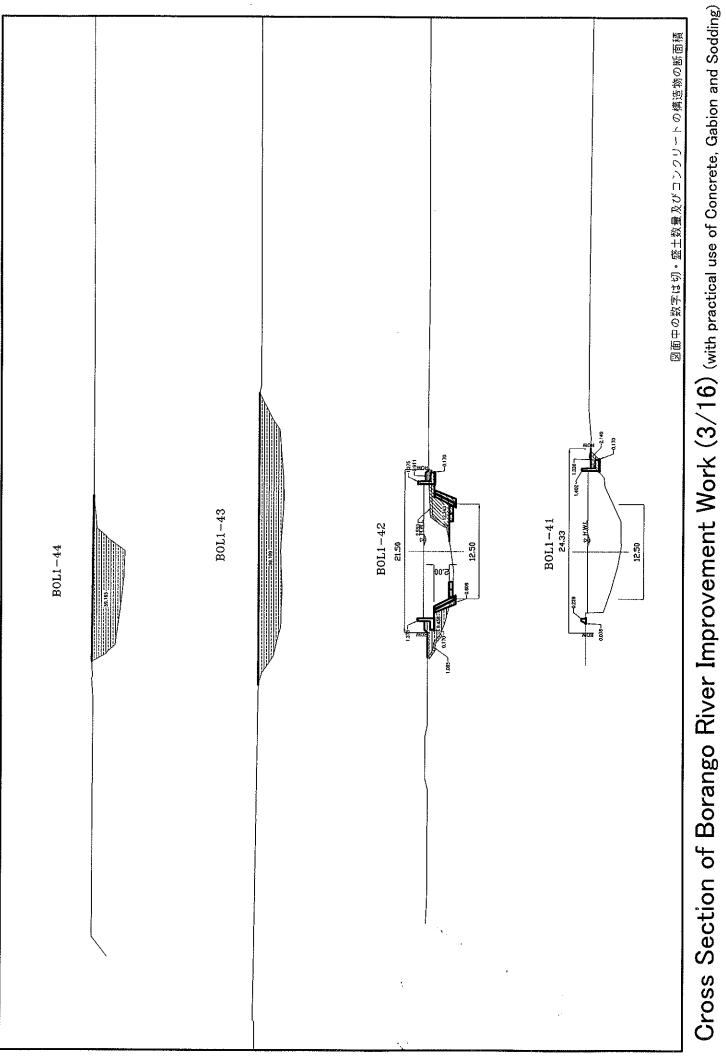
Annex-F:

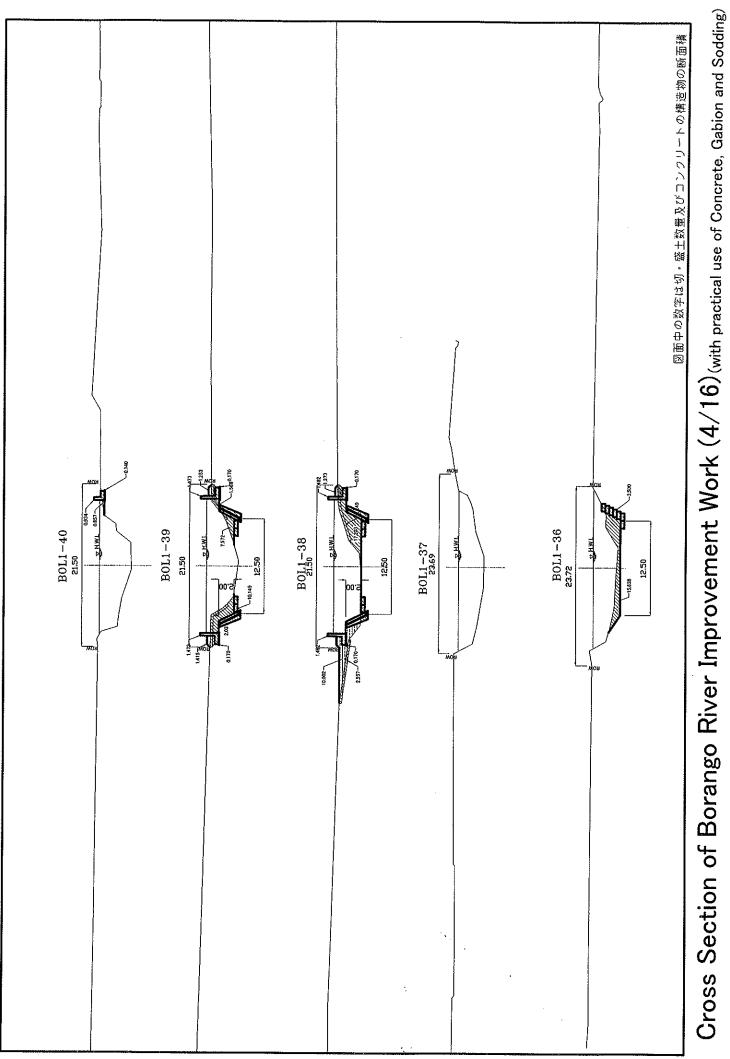
Cross Sections of Proposed Lower Bolango River Improvement Plan in F/U (with practical use of Concrete, Gabion and Sodding)

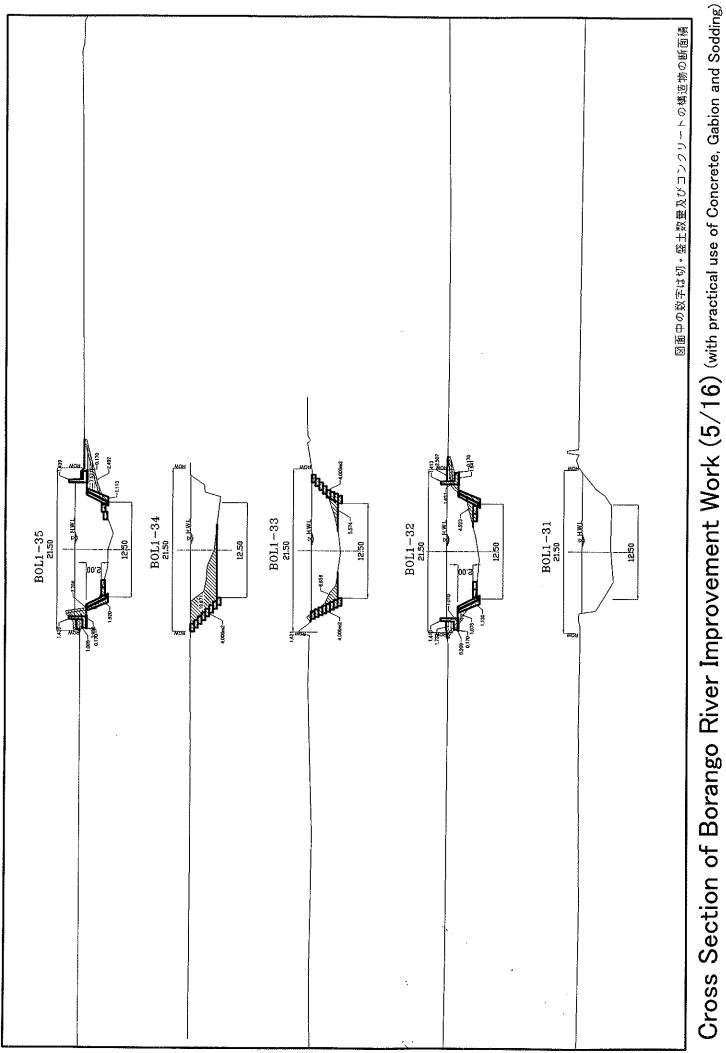




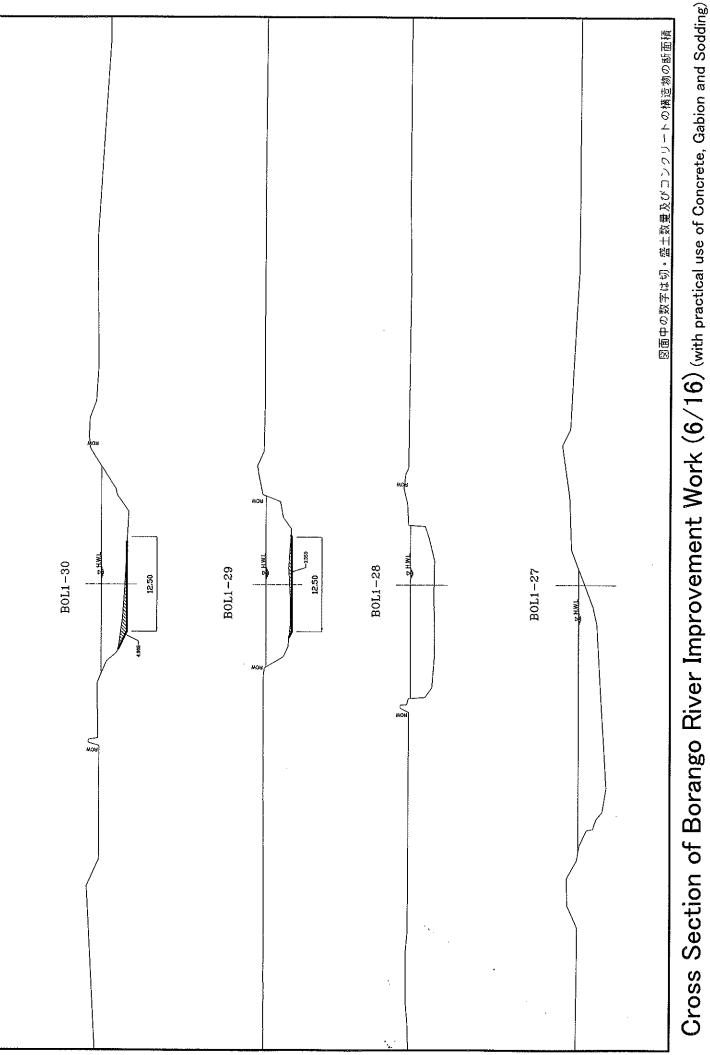


App - 40

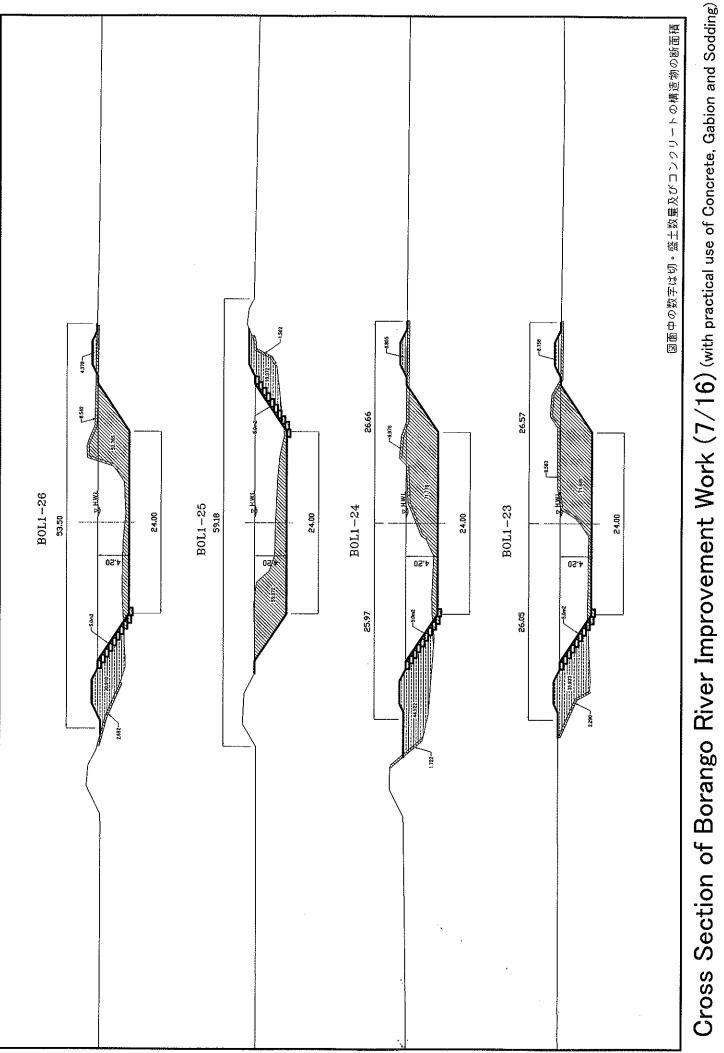


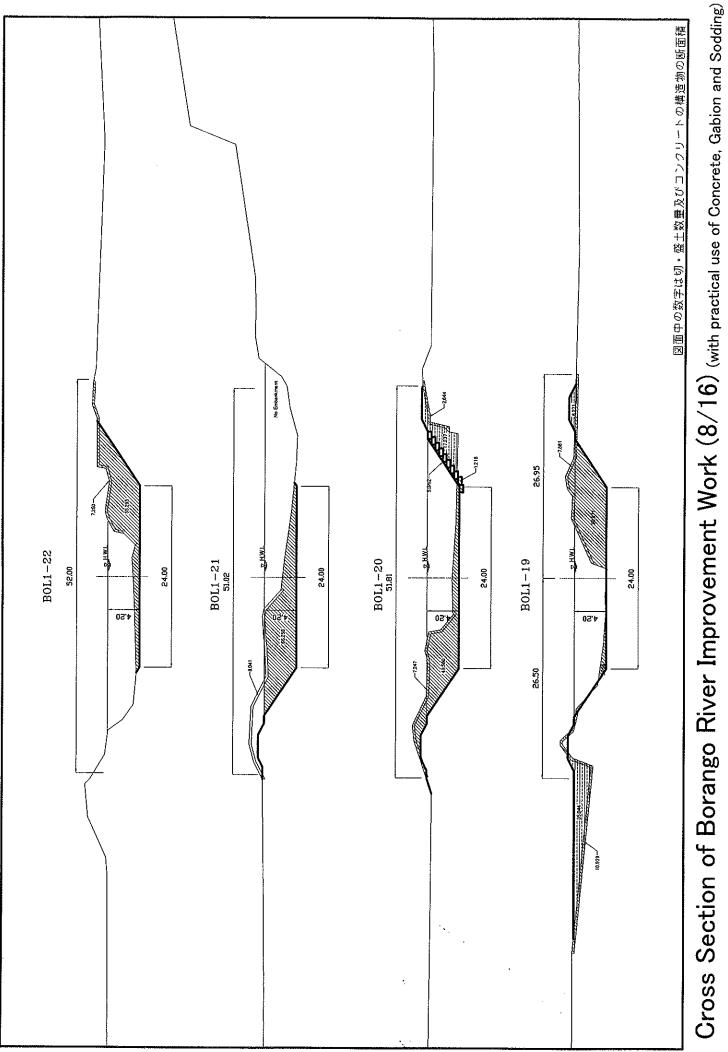


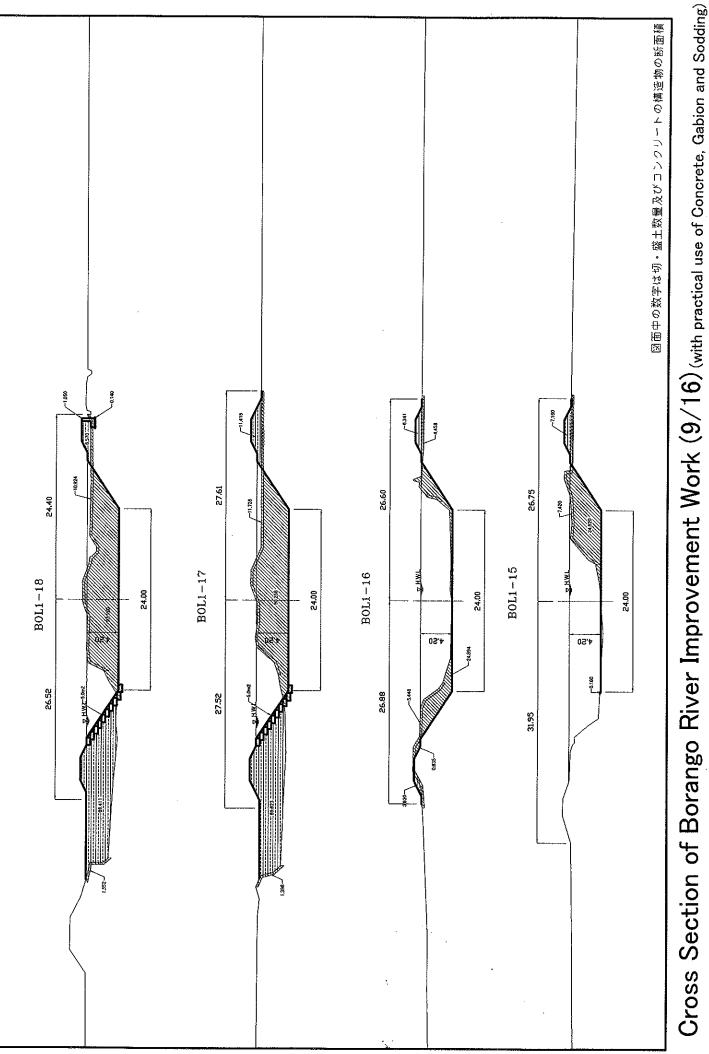
App - 42



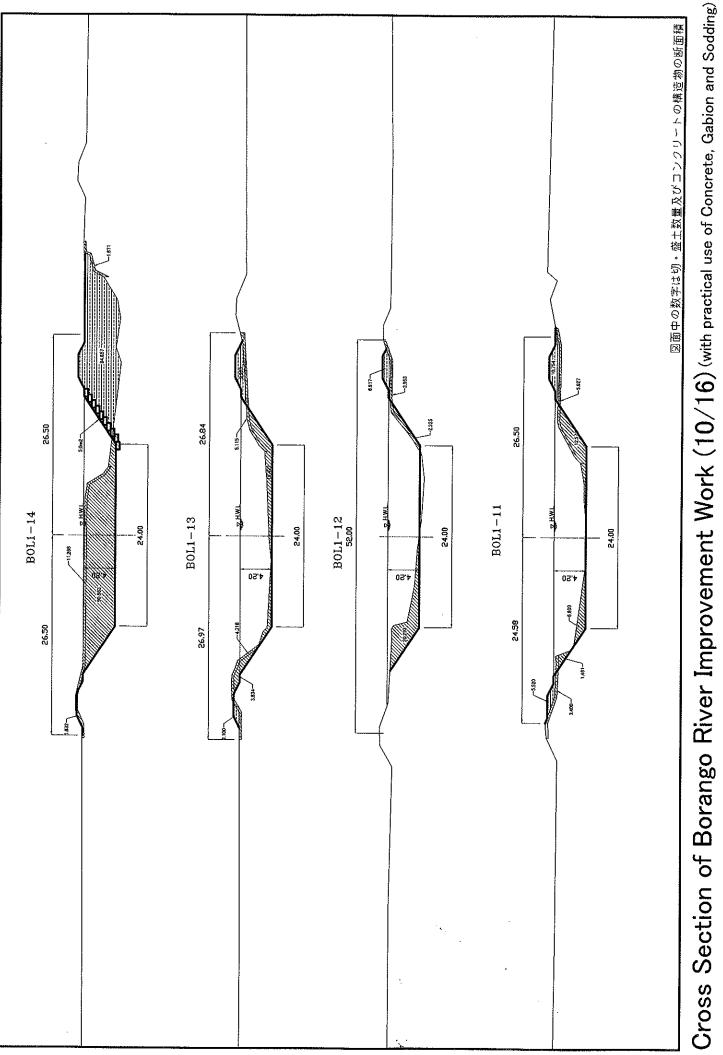
App - 43

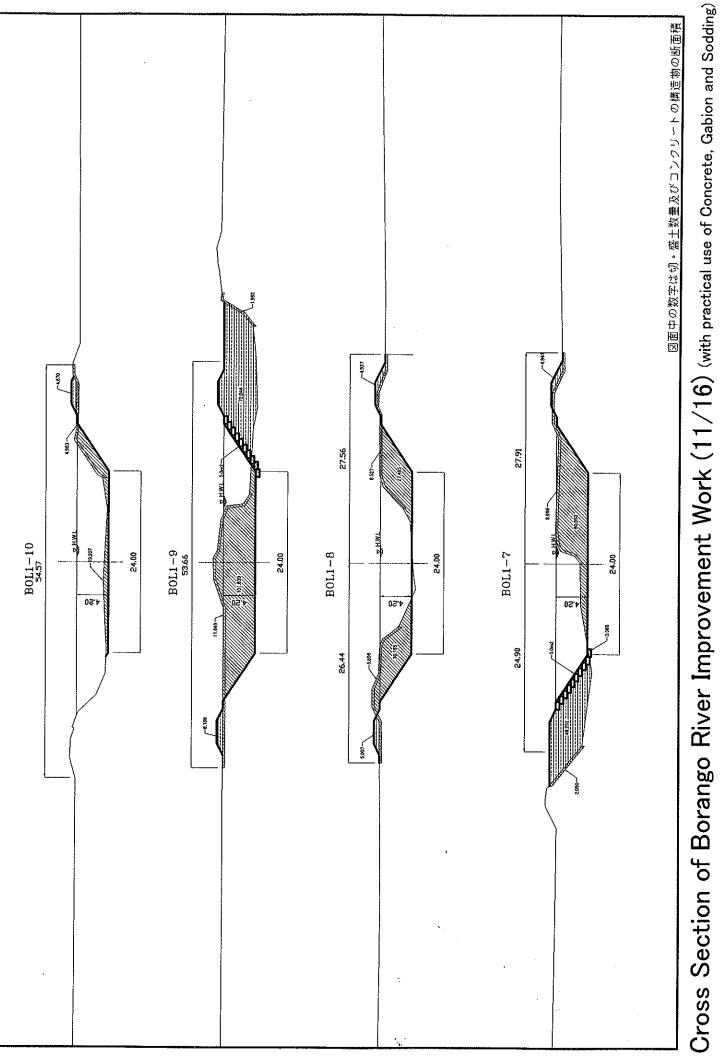


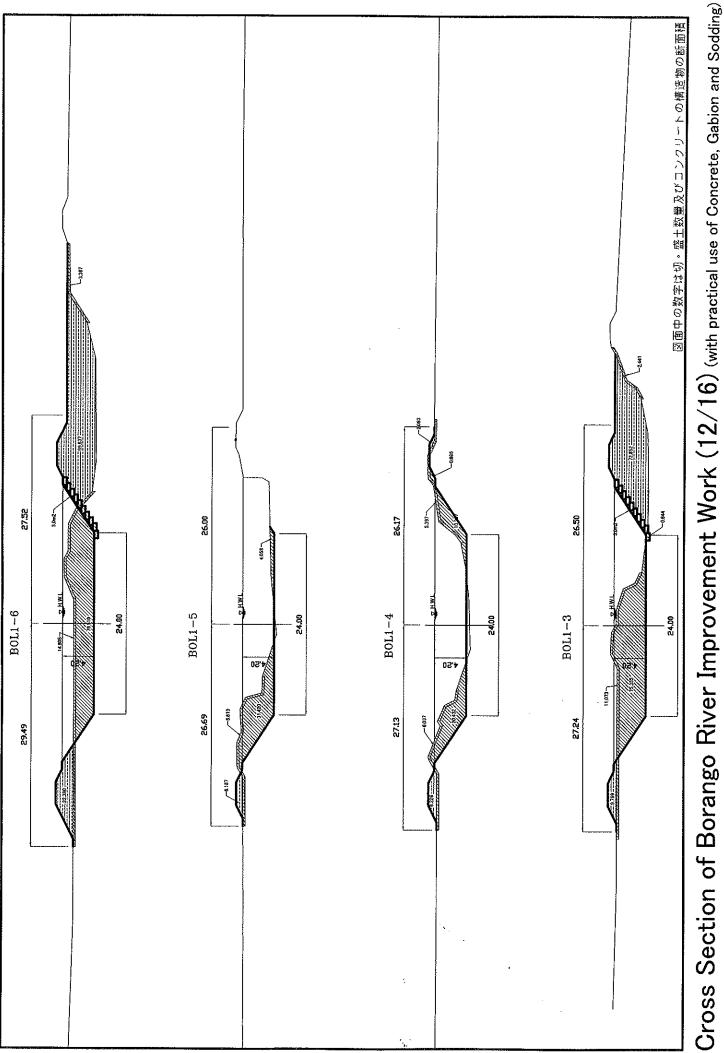


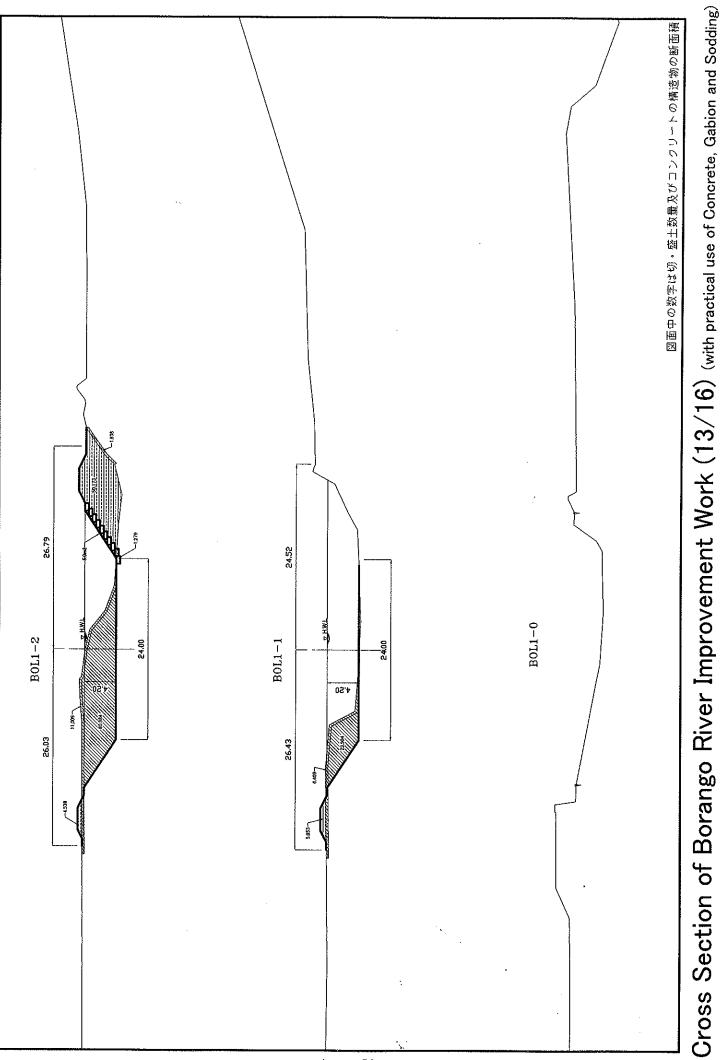


App - 46

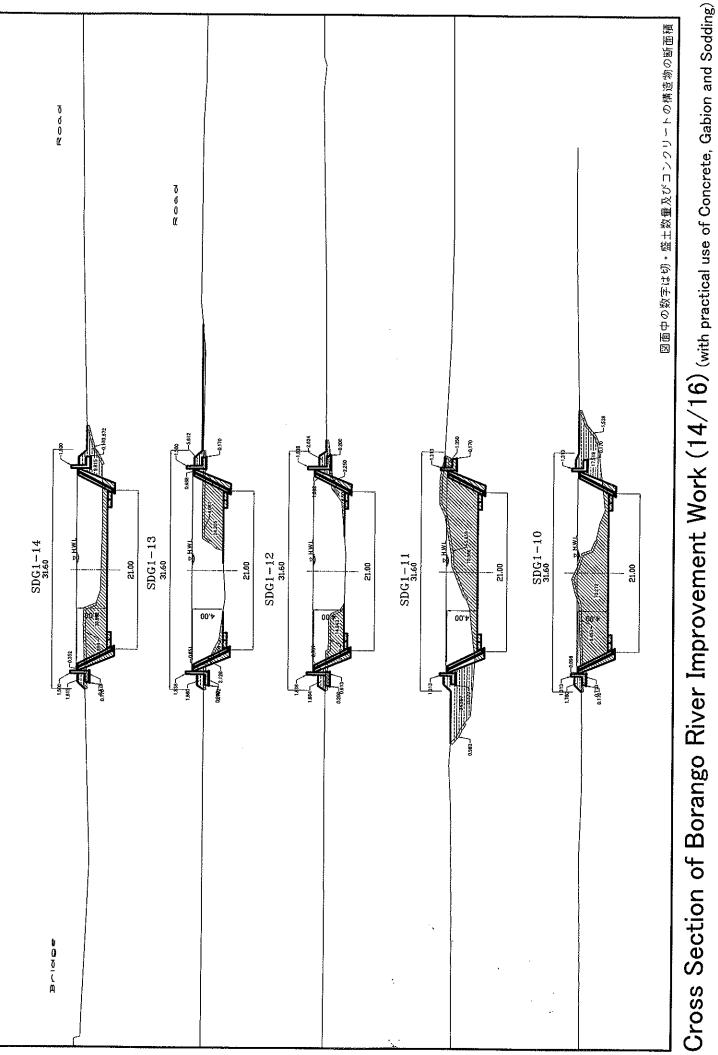




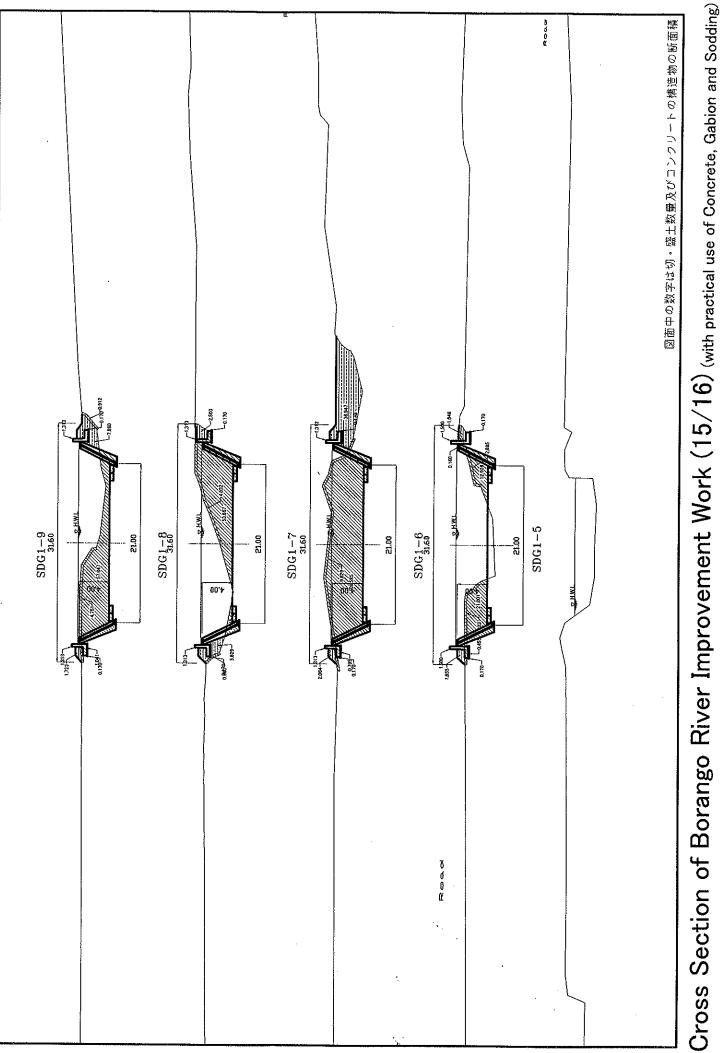




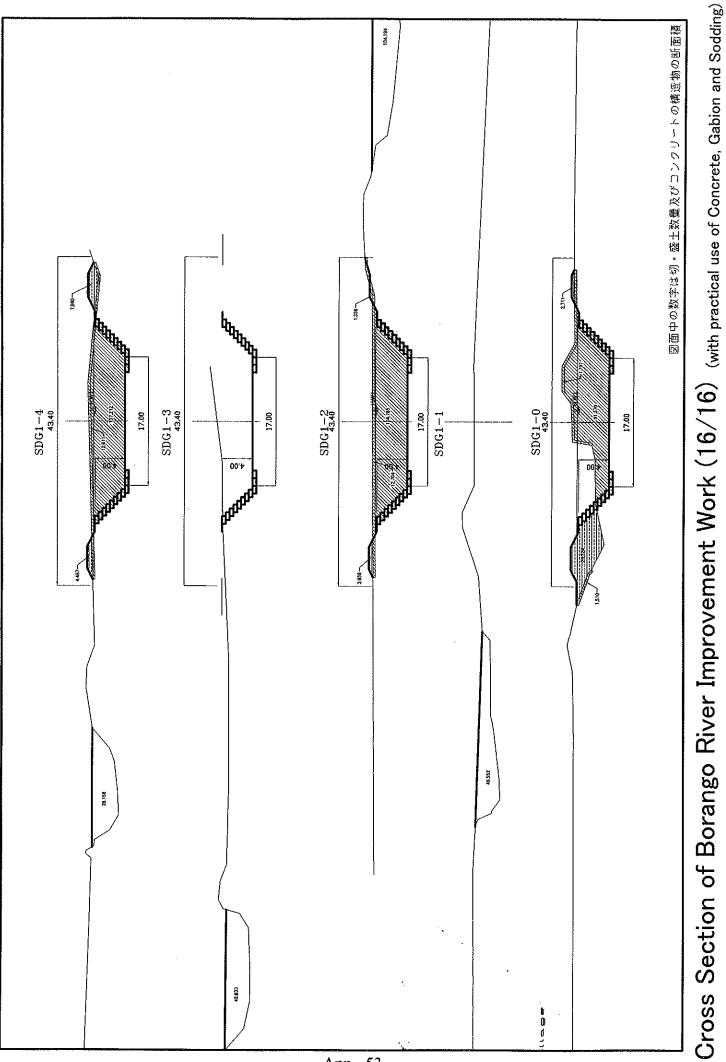
App - 50



App - 51



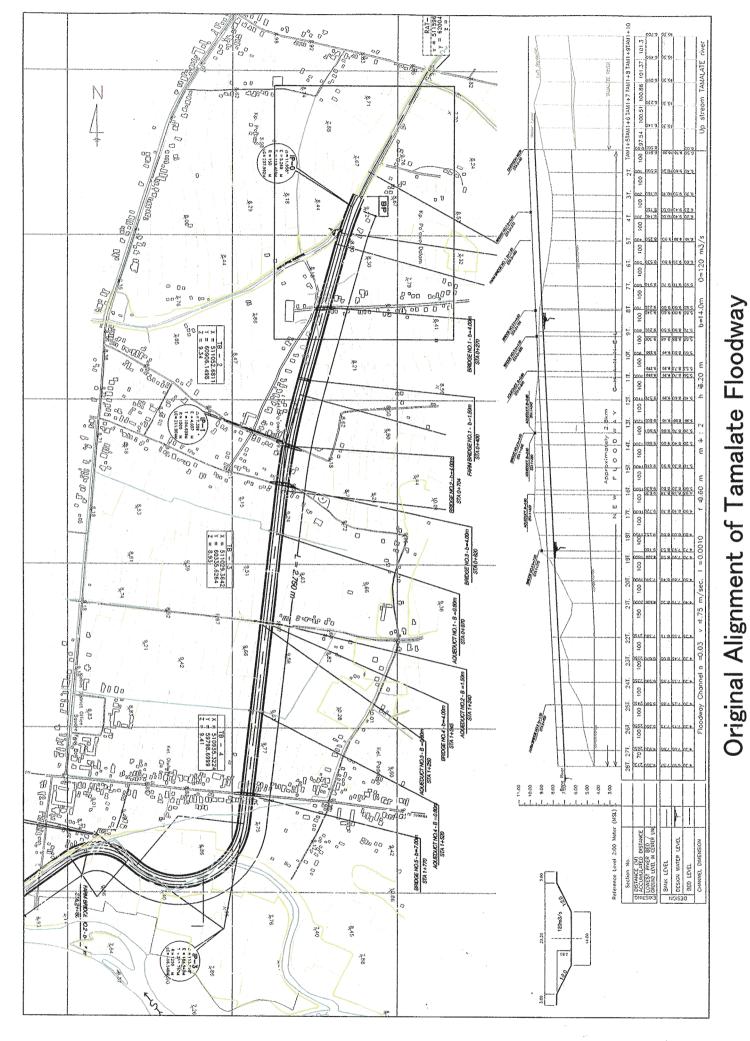
App - 52



App - 53

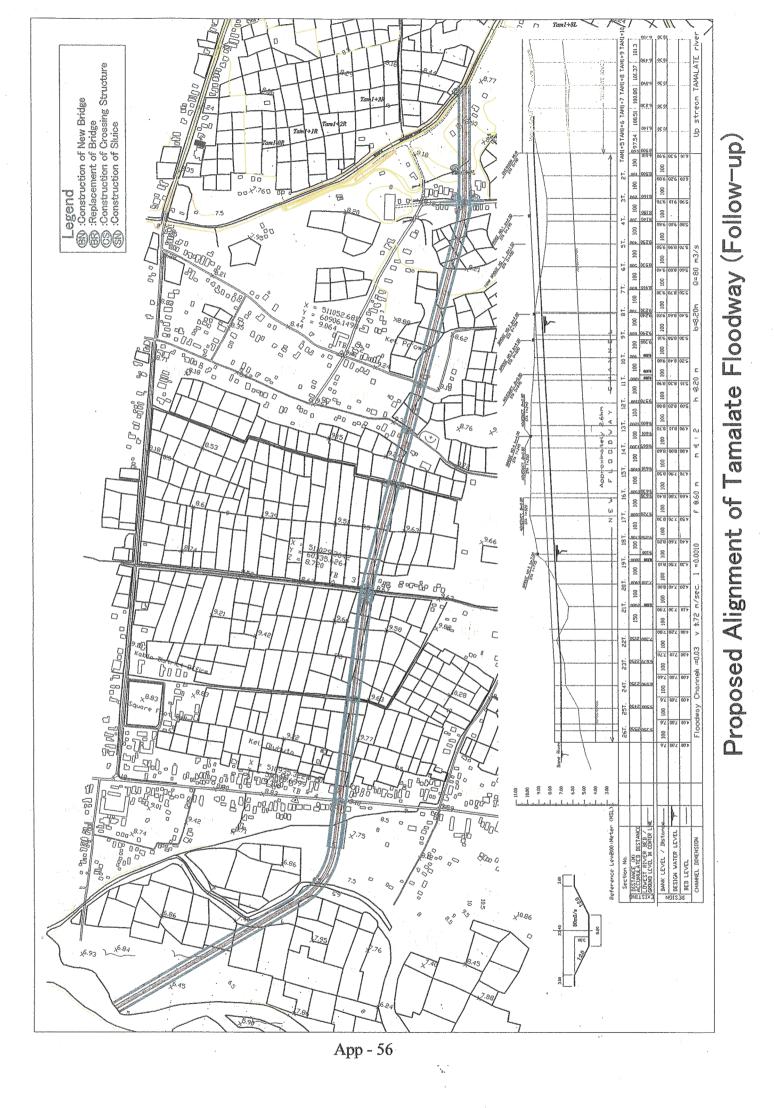
Annex-G:

Proposed Tamalate Floodway Alignment in F/S and F/U



App - 55

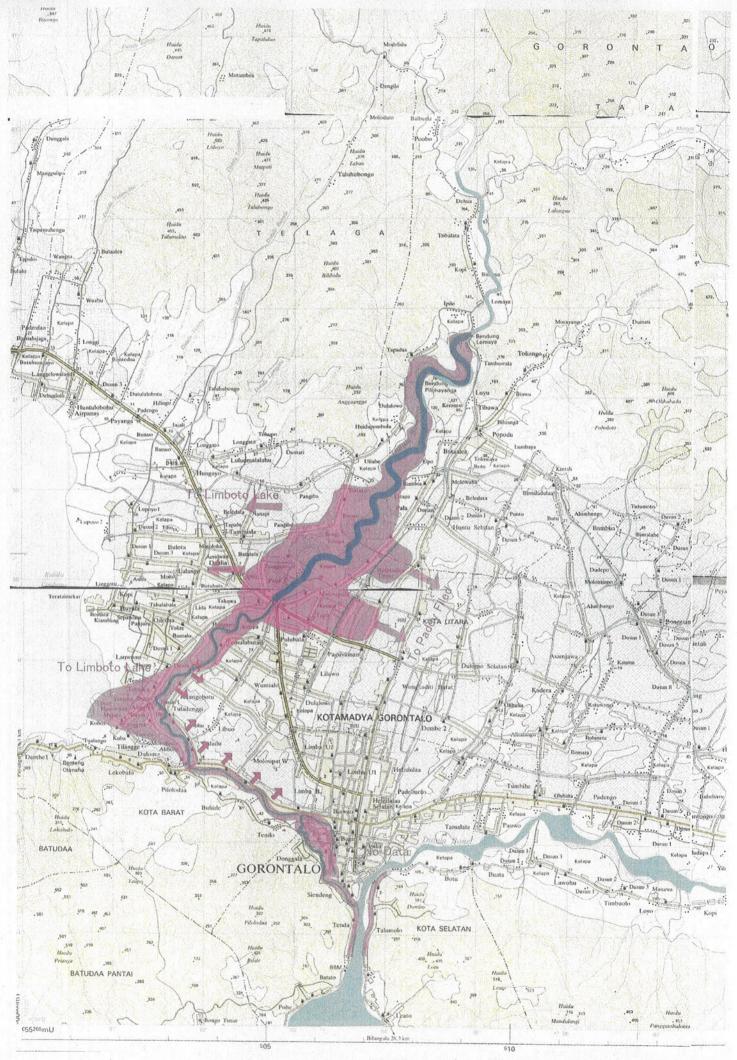
<u>نې</u>



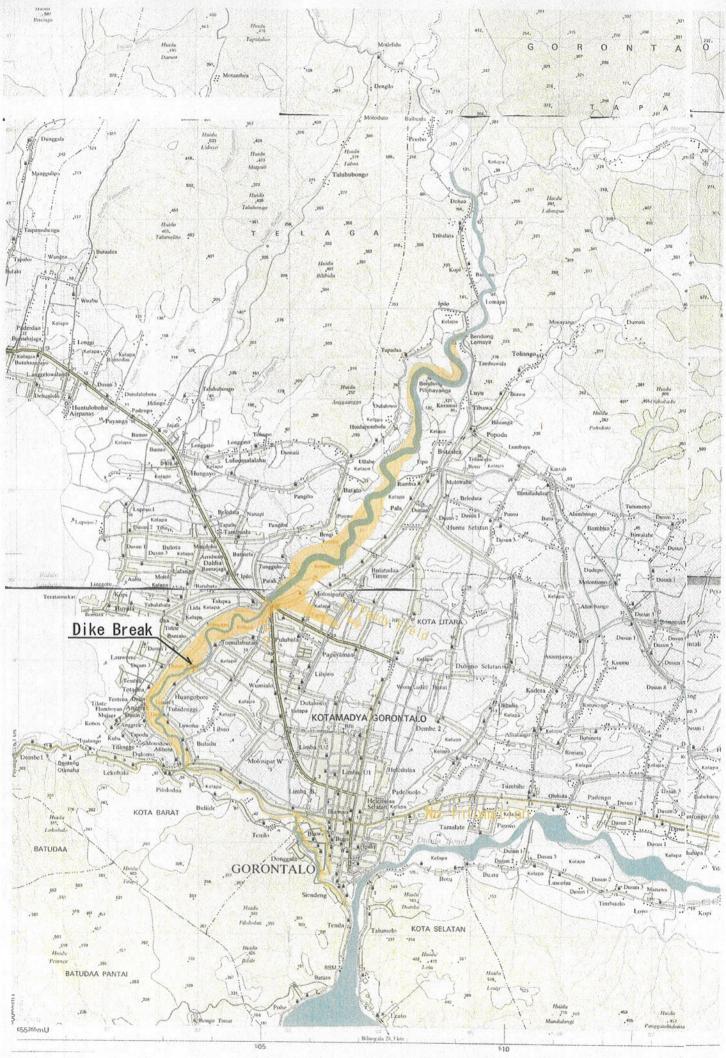
Annex-H:

Results of Flood Inundation Survey

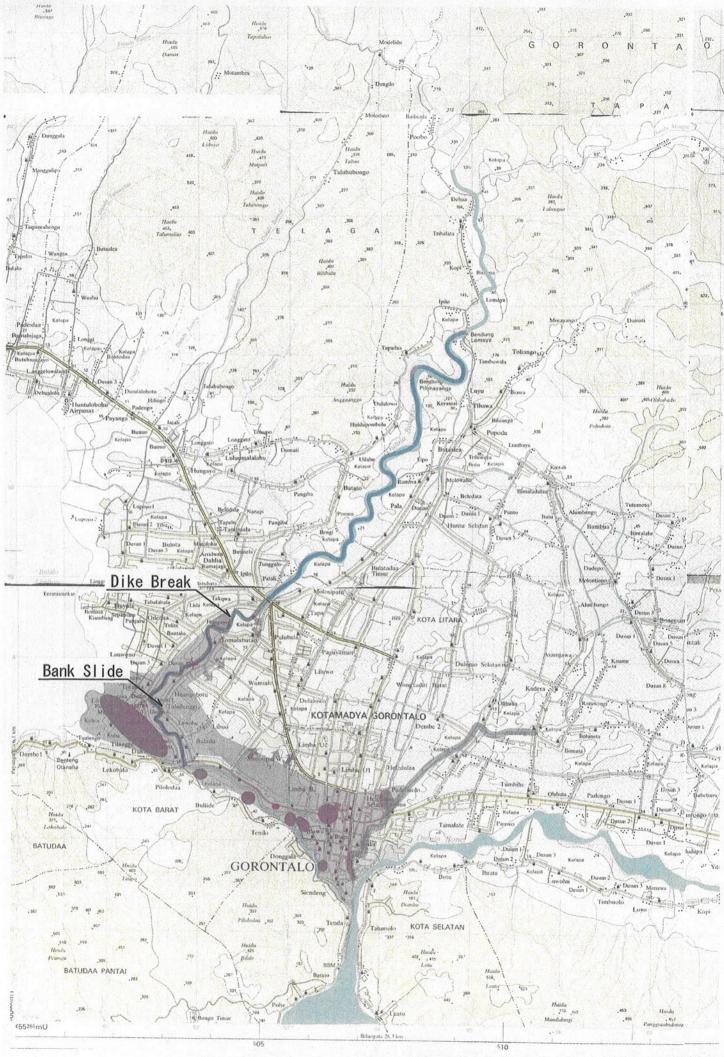
(1971, 1997, 2001 and 2002)



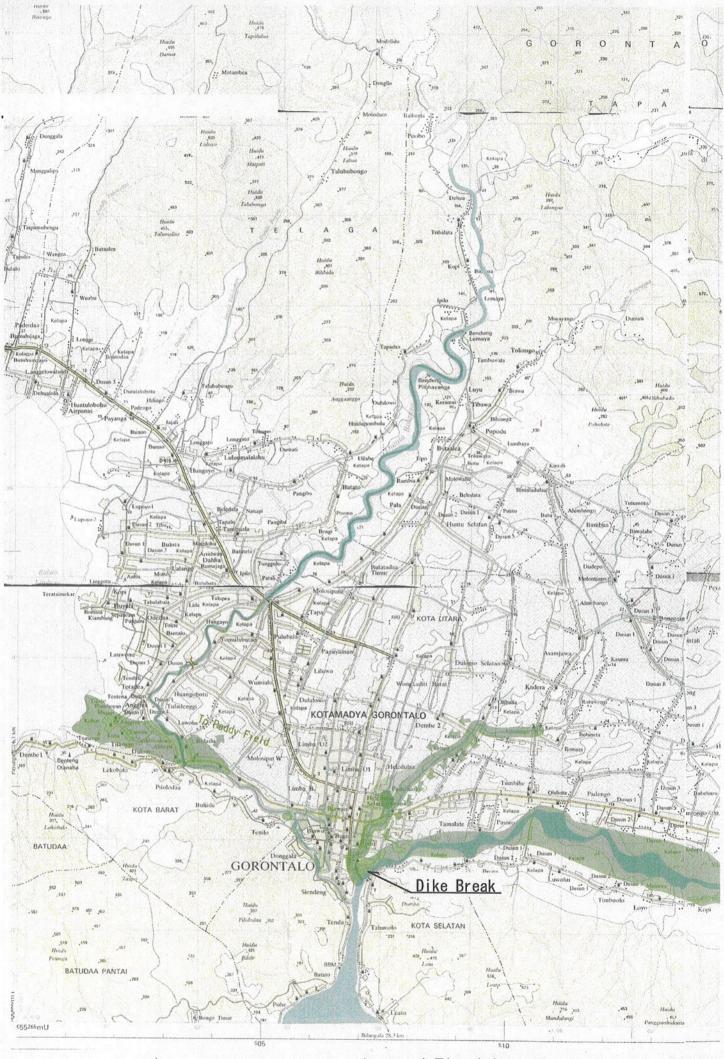
Assumed Flood Inundation Area in 1971



Assumed Flood Inundation Area in 1997



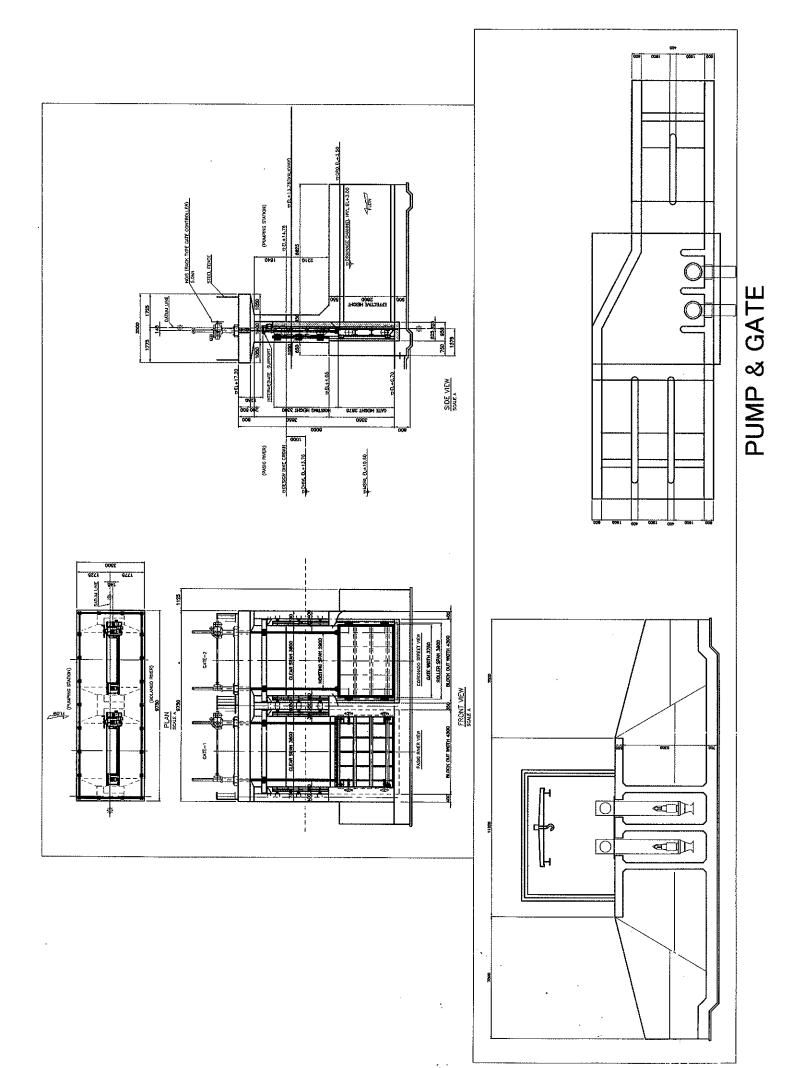
Assumed Flood Inundation Area in 2001



 $_{\rm App\,-\,61}$ Assumed Flood Inundation Area in 2002

Annex-I:

Preliminary Design of Drainage Pumping Station



Annex-J:

Methodology of the Attitude Surveys on the People Potentially Affected by the Land Expropriation

<u>Methodology of the Attitude Surveys on the People Potentially Affected by the</u> <u>Land Expropriation</u>

The RRA (Rapid Rural Appraisal) method was applied in the attitude surveys, which is one of the growing families of methods and approaches to understand social situations based on the comprehensive verification using flexibly verbal dan visual tools as participatory drawing diagrams and sketches (diagramming and visualization), observation, group discussions and interviews. The applied methods and the scope of targets of the RRA survey are as follows.

Turget Communities in the Attitude Surveys					
Target	Selection of the sites	Target population	Surveyed samples		
Potential affected lands	Target sites at "public consultation meetings and soliciting basic agreements in 2003" by the provincial authorities and their neighboring Kelurahan/Desa	19Kelurahan/Desa (5Kec.)	15Kelurahan/Desa (5Kec.)		
Proposed relocation sites	Communities where the local authorities as Bappeda of the province or Kotamadya/Kab., regarded as potential sites at the beginning of Jul. 2004	3 Kelurahan, 4 Desa	2Kelurahan、 2Desa		
Estuary of the Bone River	As one of the representative sites		1Kelurahan		
Total		26Kelurahan/Desa	20Kelurahan/Desa		

Target Communities in the Attitude Surveys

Summary of Methods Applied in the Attitude Surveys

Subjects	Examples of the details1)	Informants	Research tools
General conditions of communities	Land ownership distribution, mechanism of consensus building and conflict resolution	Key informants in Kelurahan/Desa (Leaders as heads of Kelurahan/Desa)	Semi-structured interview 2)
Actual conditions of living	Livelihood, right on houses and lands		
Consciousness of flood damage	Mental damage		
Opinions and needs to consent to land expropriation and resettlement	Dissatisfaction on the process in public consultation meetings and soliciting basic agreements conducted in 2003, needs and reasons for compensation to the persons who have agreeing attitudefor the agreeing attitude, and reasons to the persons who have of disagreeing attitude	Owners of houses and farmlands and their families from the people potentially affected by land expropriation	Semi-structured interview, focus group discussion 3), informal interview 4)

Notes: 1) In the communities where do not have the sites potentially affected by land expropriation and resettlement," actual conditions of living" and "opinions and needs to consent to land expropriation and resettlement" were partly omitted.

- 2) Semi-structured interview: the interviewing method with topics and discourse of questions prepared to some extent beforehand but not to those to questionnaire
- 3) Focus group discussion: the small group meeting for discussing a specific topic to listen to several persons collectively when more reasonable information and productive discussions are anticipated than by interviewing individual persons
- 4) Informal interview: the interviewing method to hear like chatting not necessary preparation, which is the most effective

way to collect general information, candid opinions and valuable information