

Sediment Load ($Q=1,000\text{m}^3/\text{s}$)

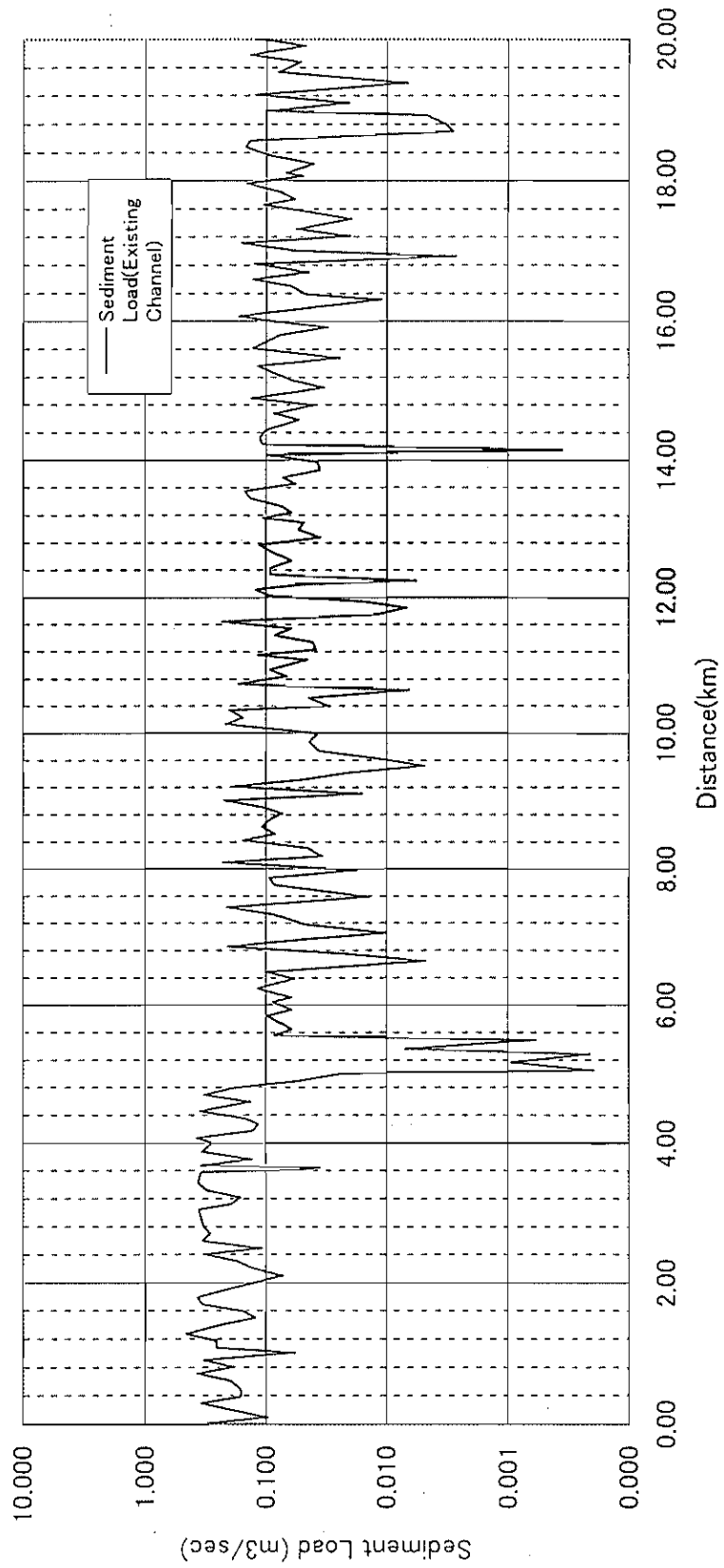


图 2.20

土砂送流能力

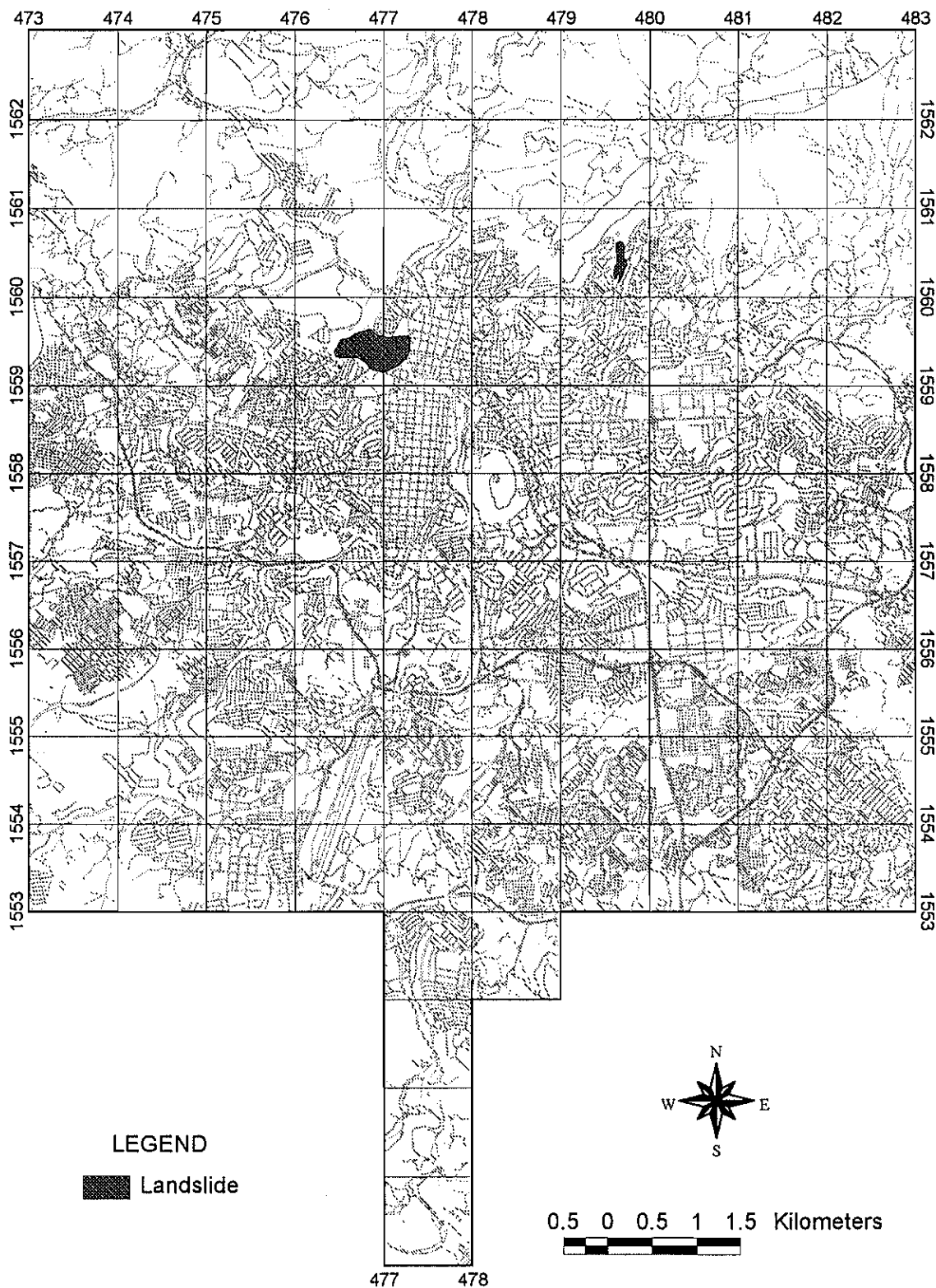


図 2.21 (1)

ハリケーンミッチ時の地滑り発生位置図

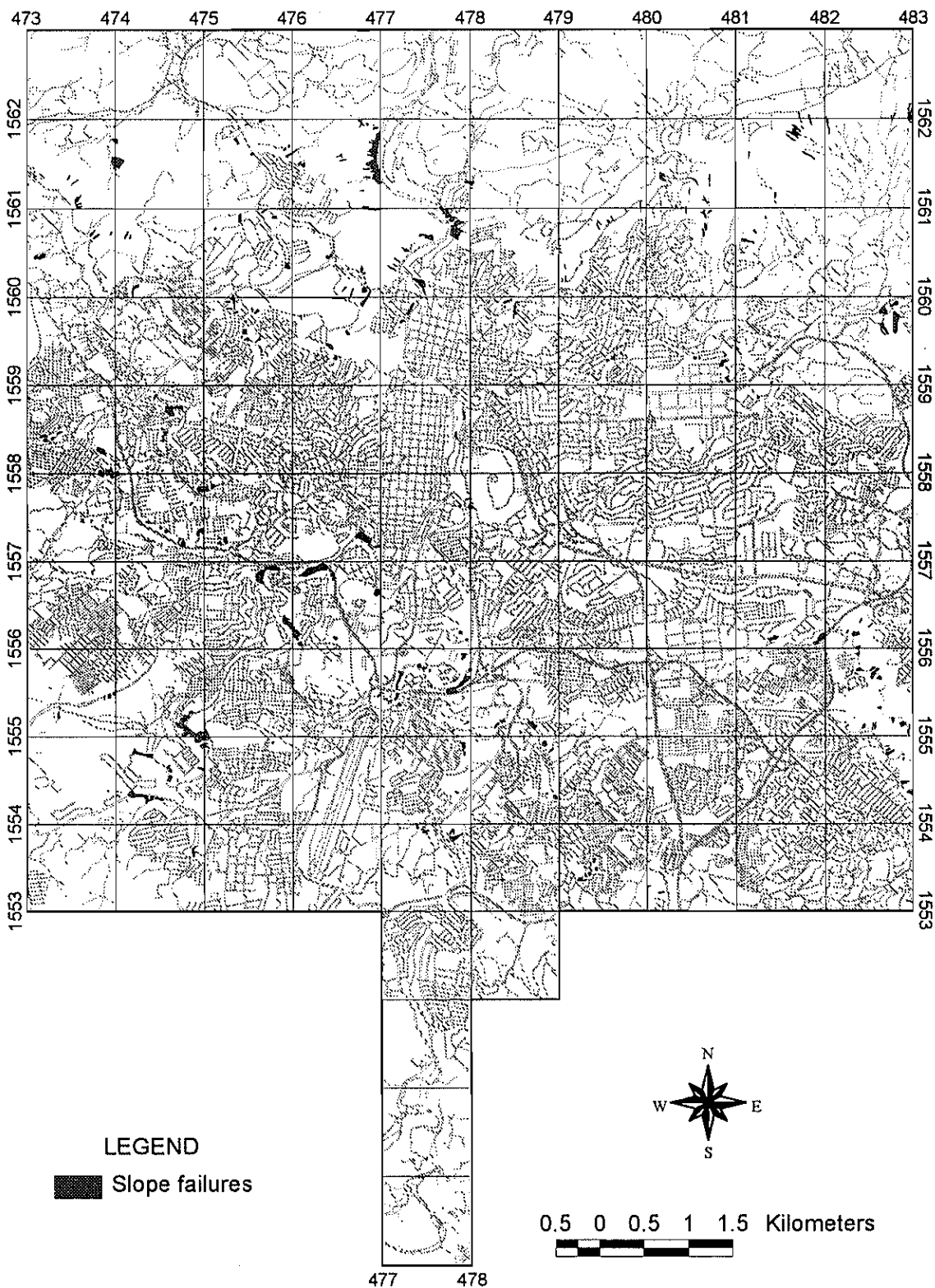


図 2.21 (2)

ハリケーンミッチ時の斜面崩壊発生位置図

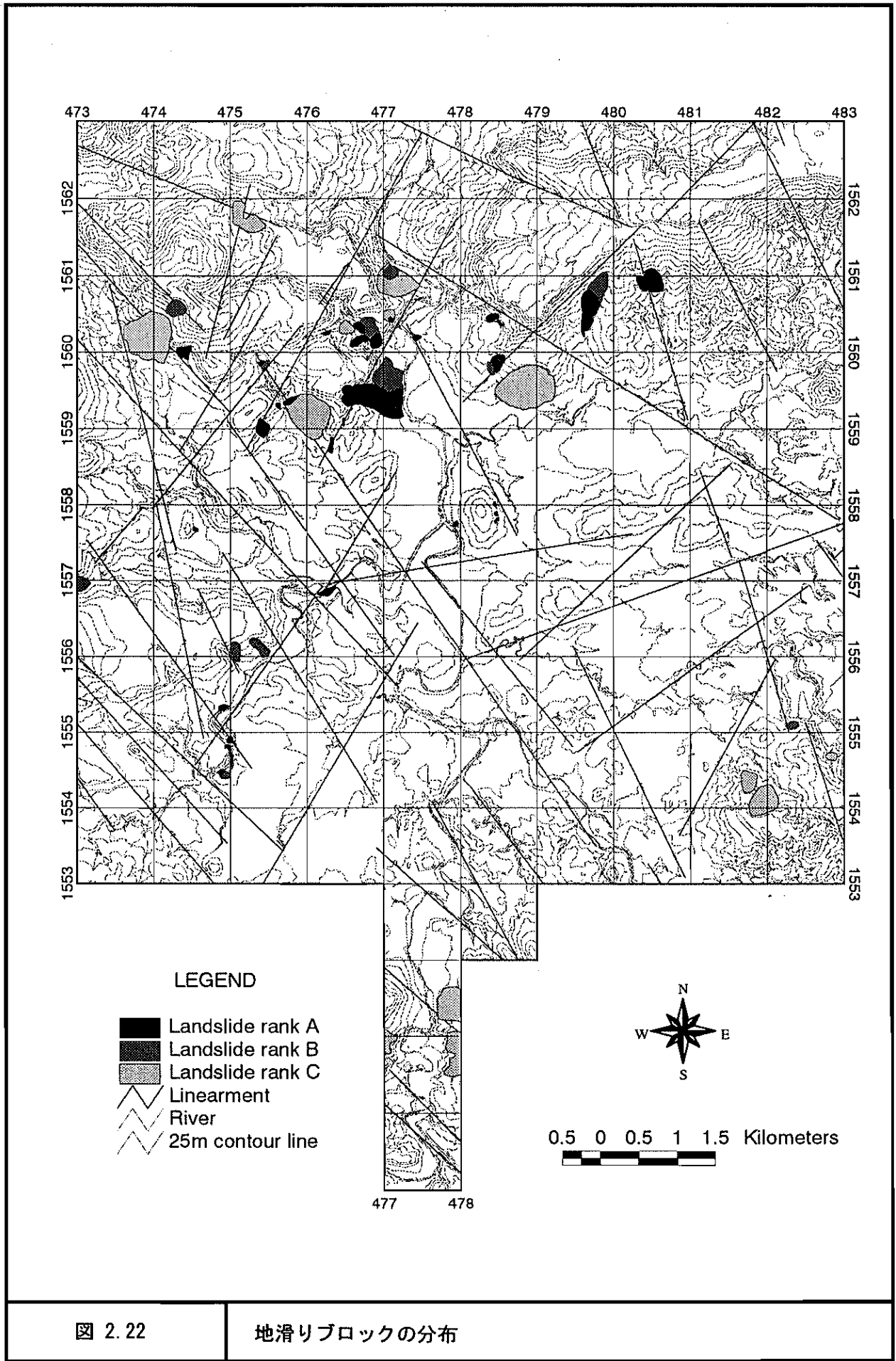


図 2.22

地滑りブロックの分布

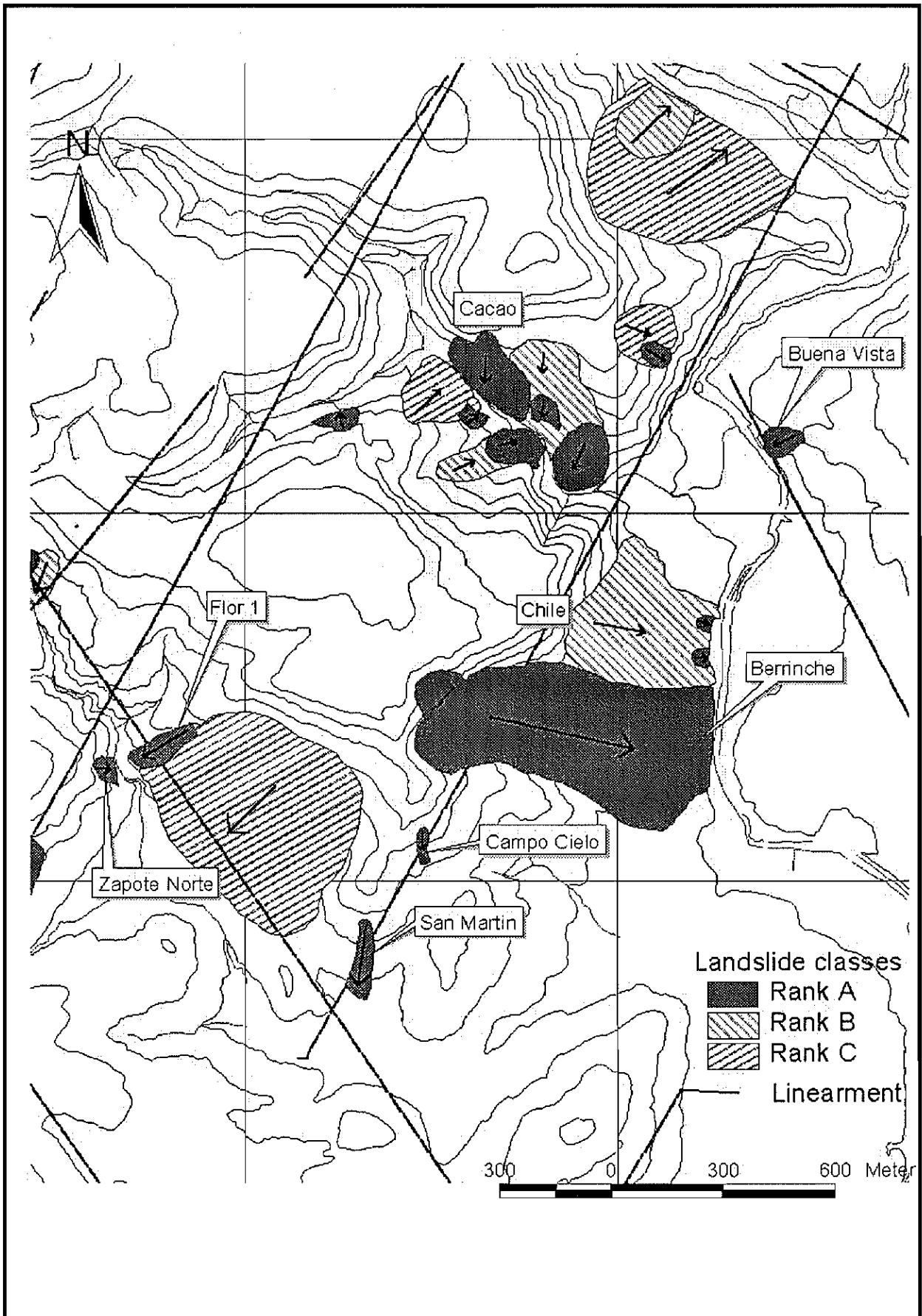


図 2.23

地滑りブロックの分布 (北部地域)

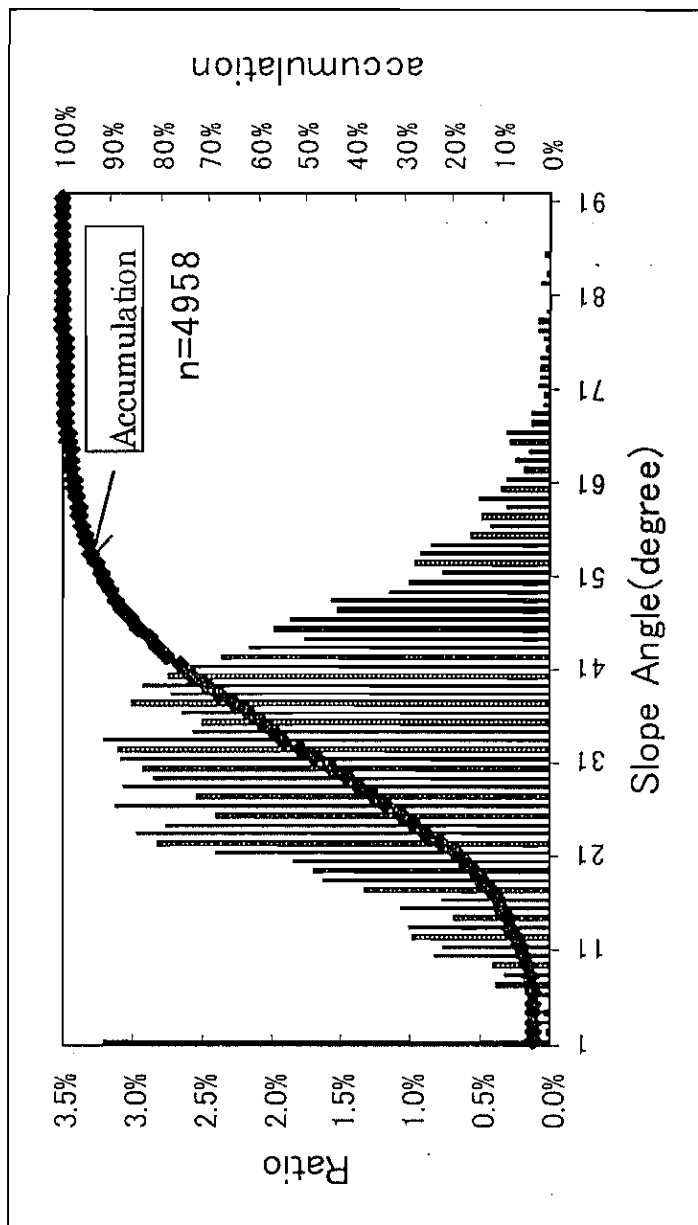


図 2.24

斜面崩壊の斜面角度

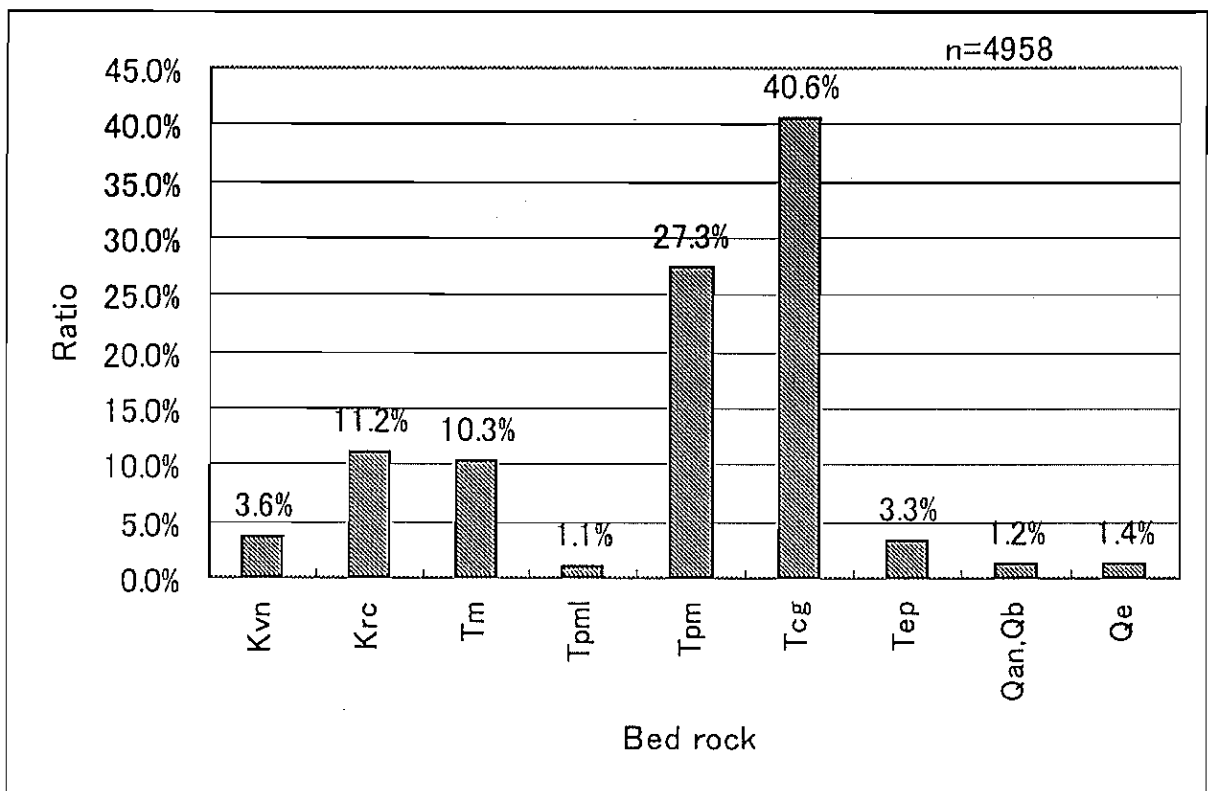
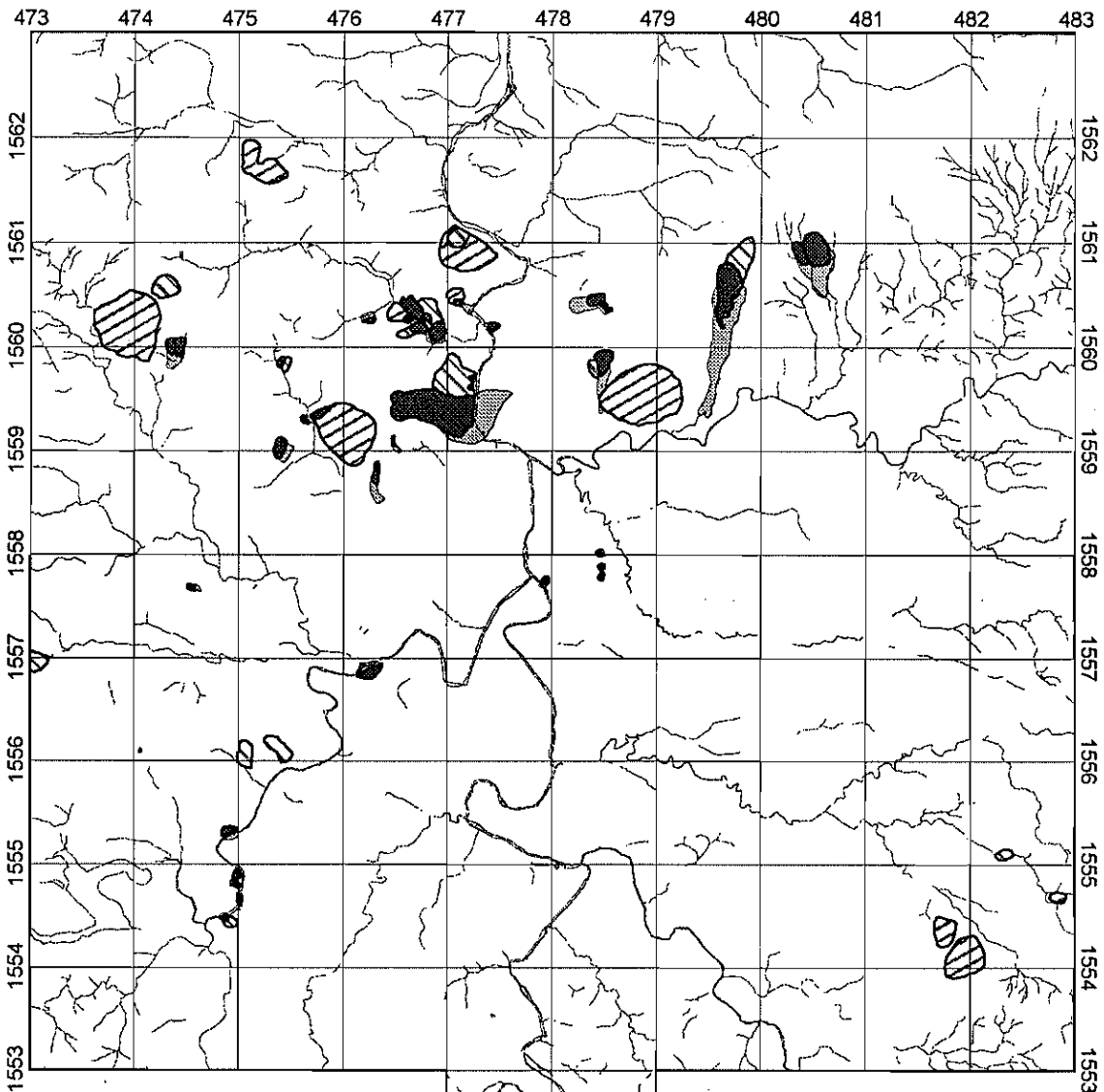







図 2.25

斜面崩壊の地質区分



LEGEND

-  Rivers
- Landslide**
-  Rank A
-  Rank B
-  Rank C
-  Affected Area by Rank A Landslide



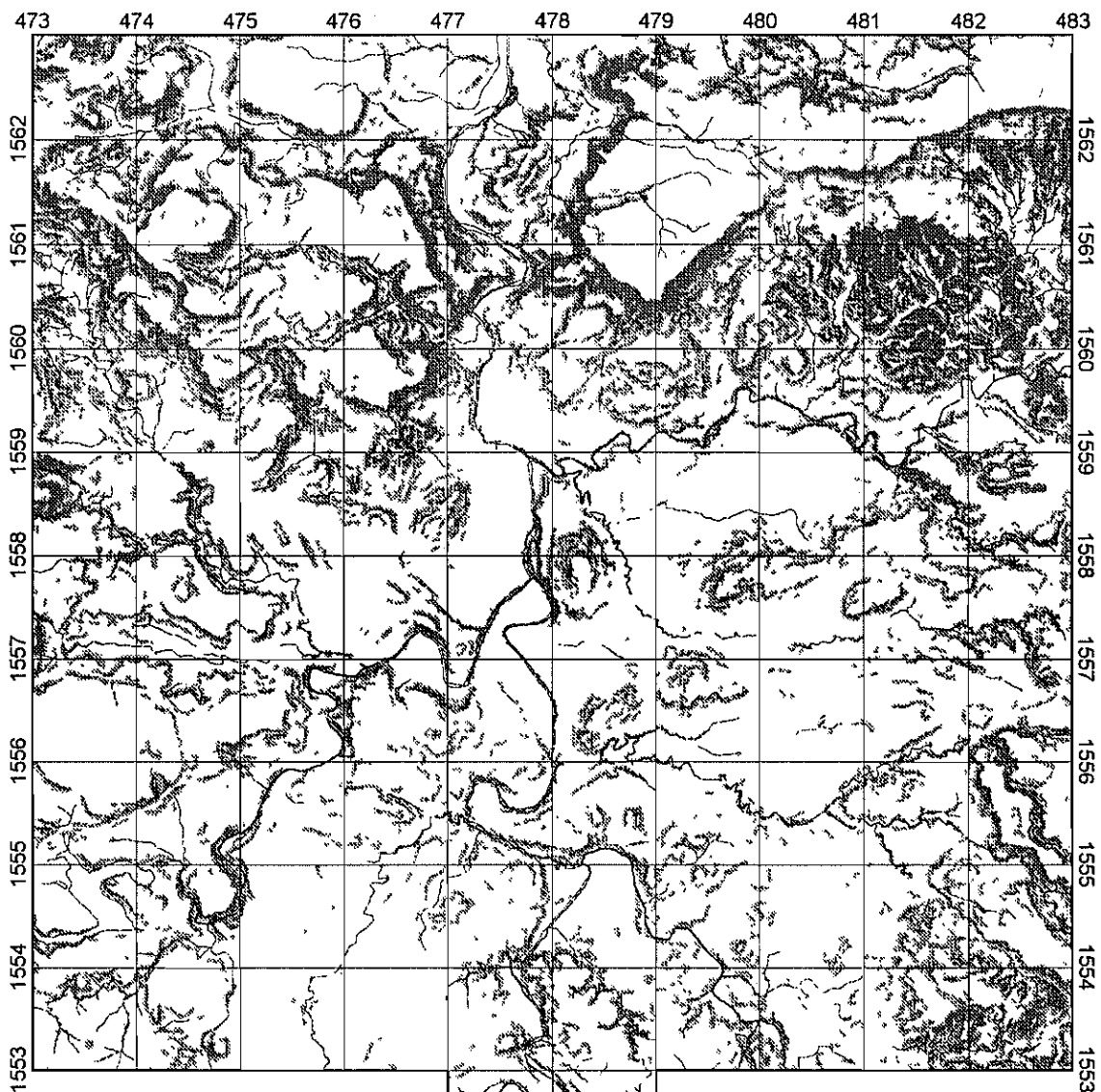
0.5 0 0.5 1 1.5 Kilometers






477 478

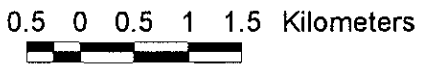
図 2.26 (1)

地滑りハザードマップ



LEGEND

-  Rivers
- Slope Failure
 -  Dangerous Slope
 -  Affected Area



477 478

図 2.26 (2)

斜面崩壊ハザードマップ

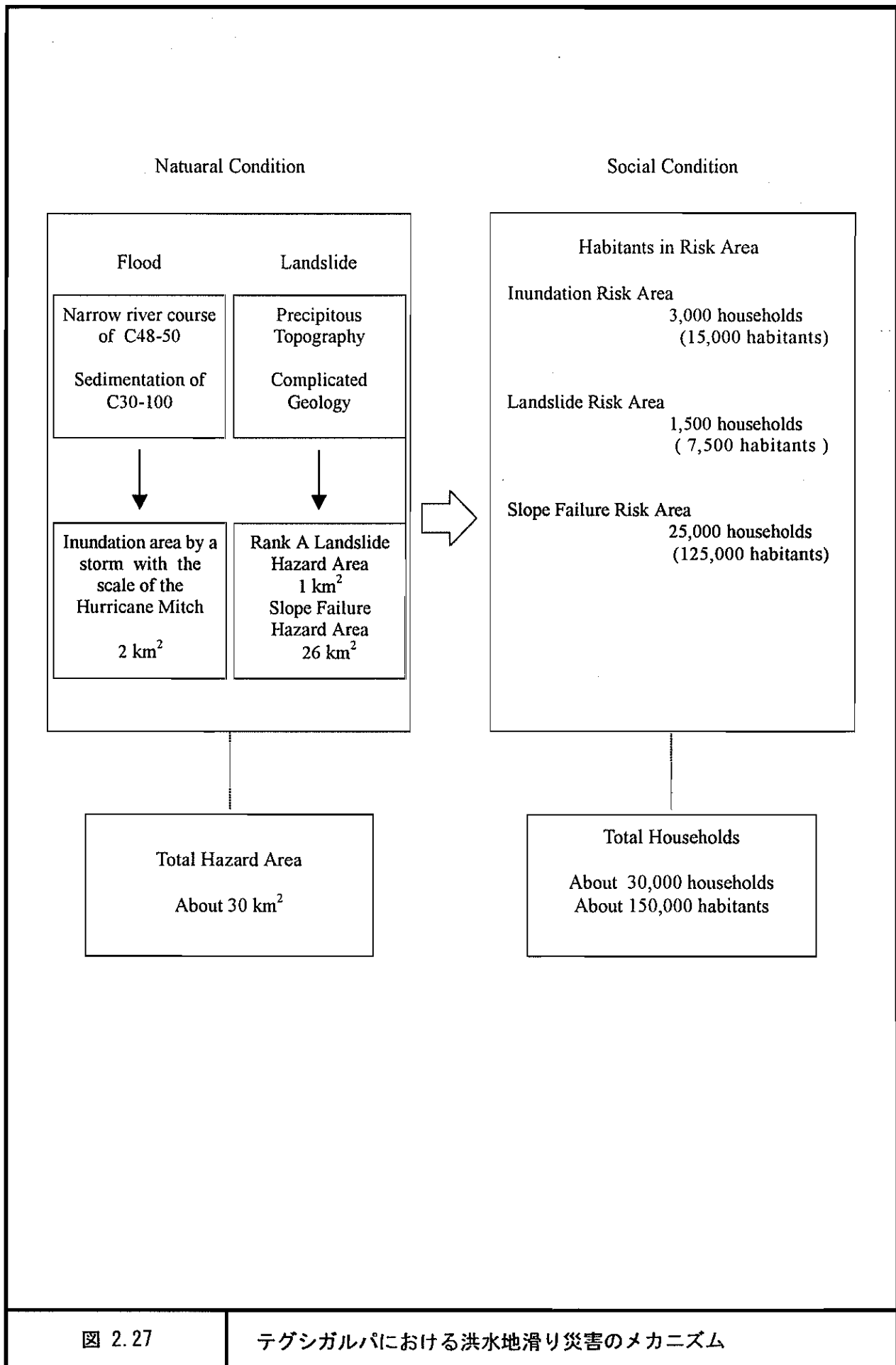


図 2.27

テグシガルパにおける洪水地滑り災害のメカニズム

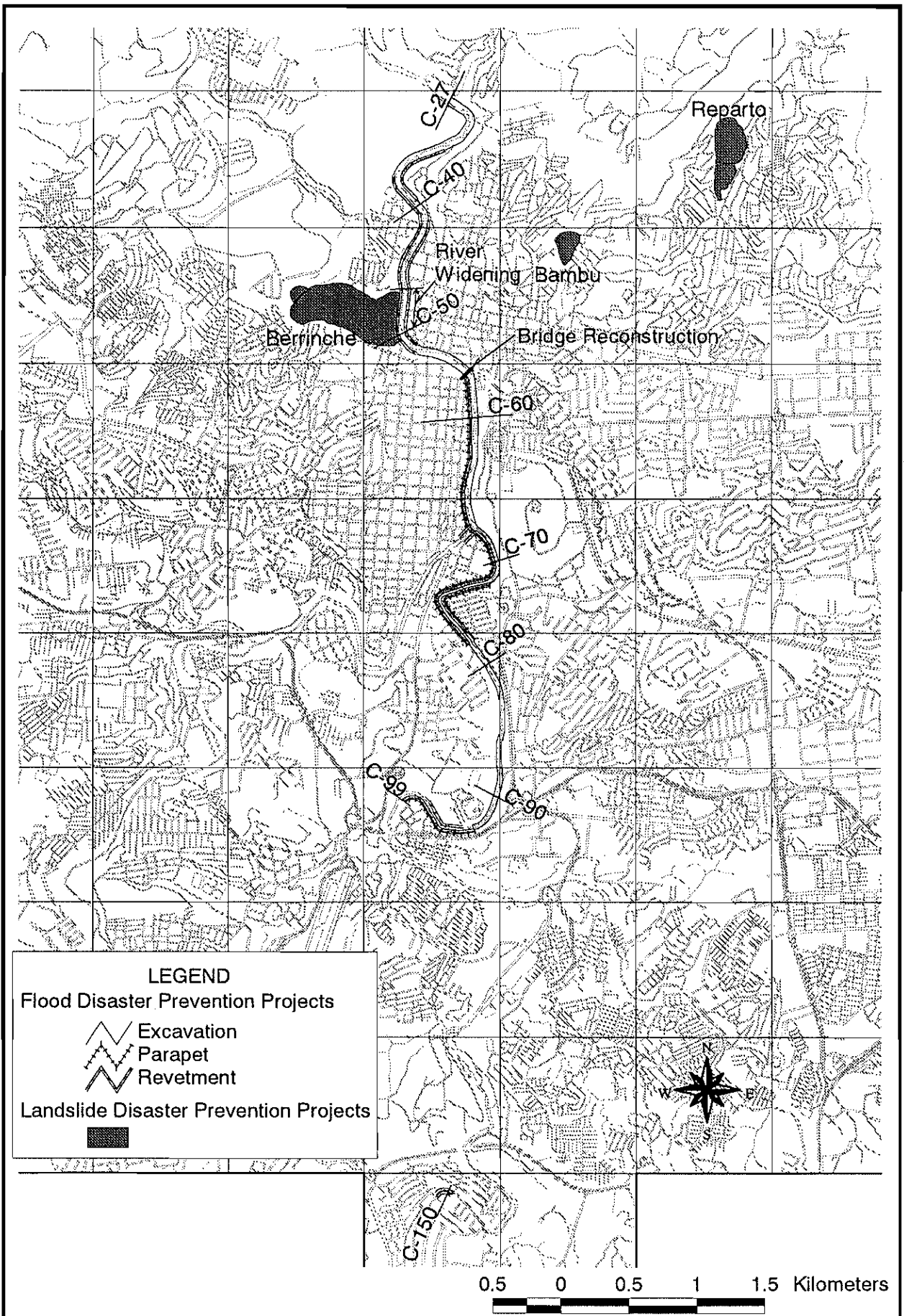
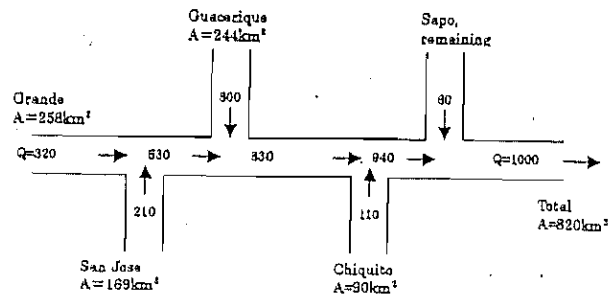


図 4.1

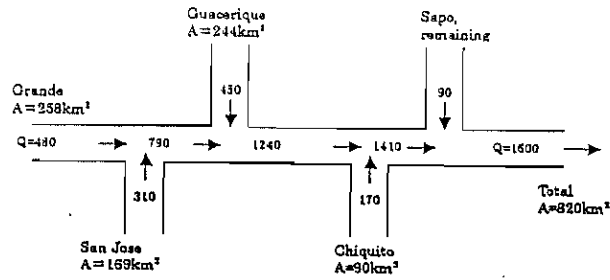
マスタープランプロジェクト位置図 (構造物対策)

(1,000 m³/sec flood)

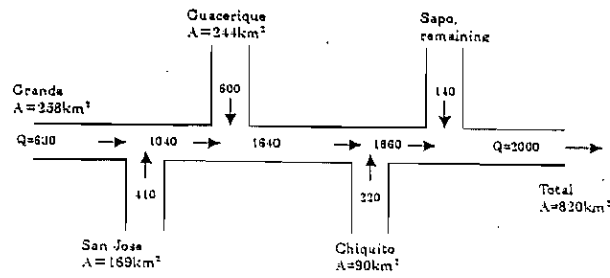
(Unit: m³/sec)



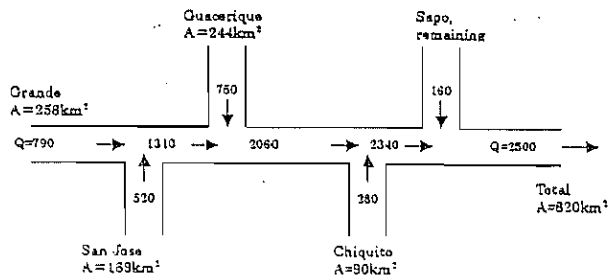
(1,500 m³/sec flood)



(2,000 m³/sec flood)



(2,500 m³/sec flood)



(3,000 m³/sec flood)

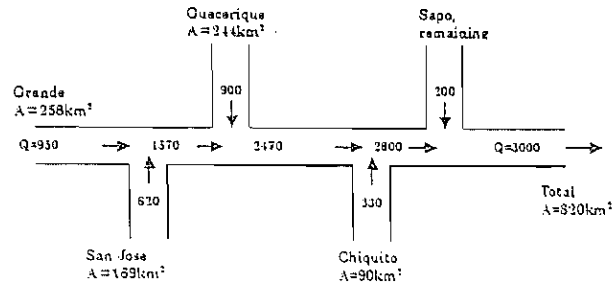


図 4.2

設計流量配分図

Choluteca River Profile

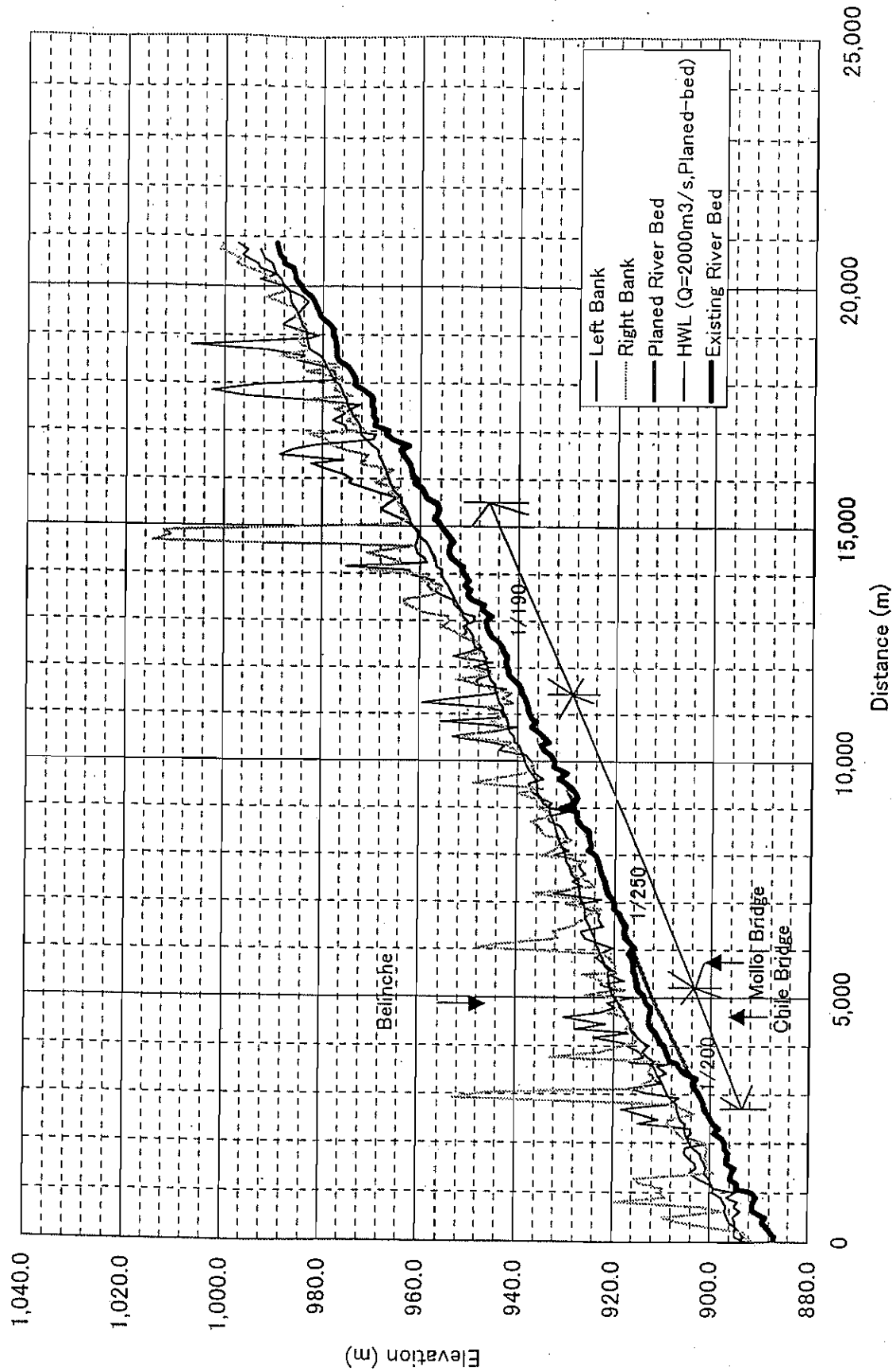


図 4.3

計画河川縦断

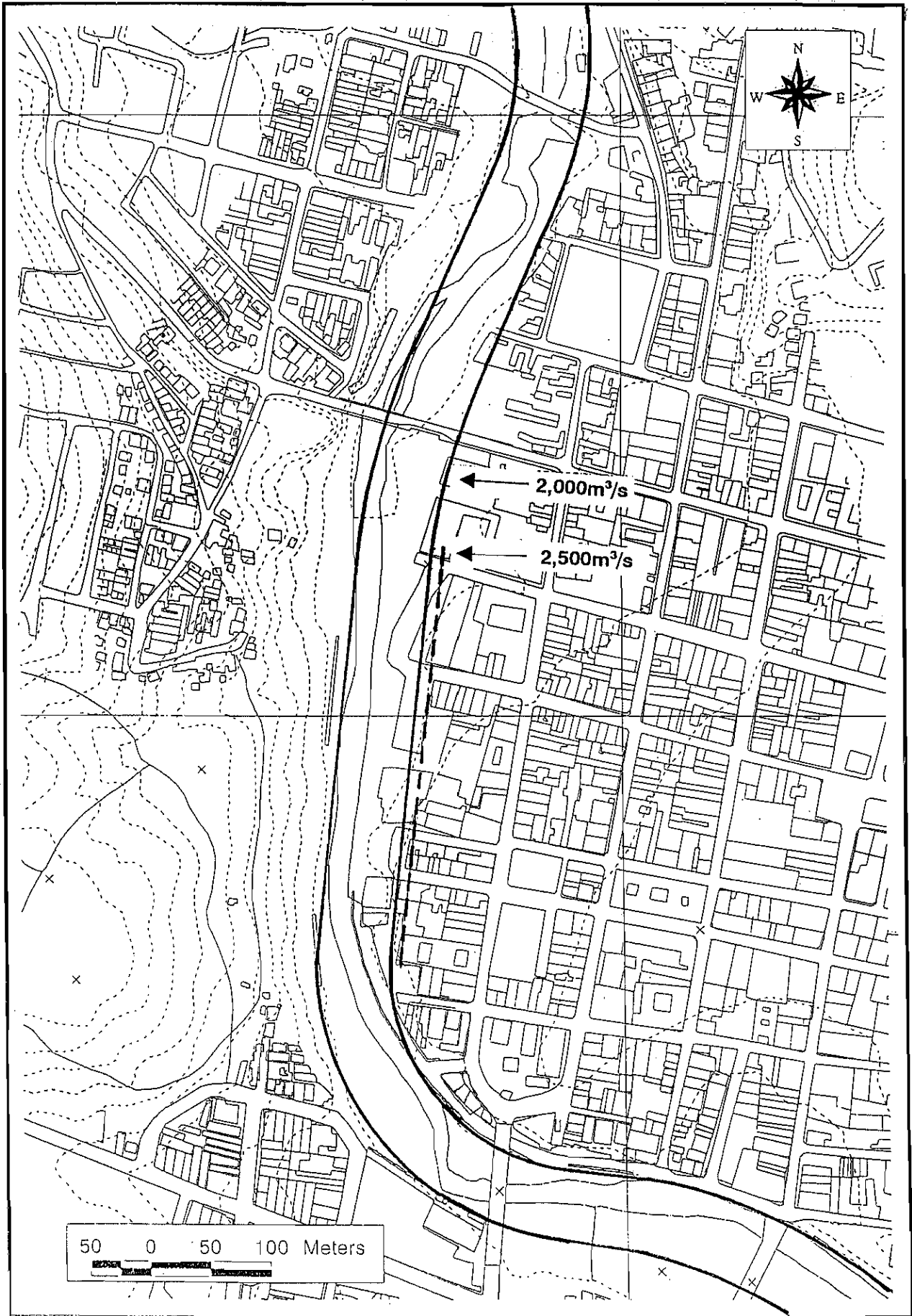


図 4.4

ベリンチェにおける計画河道平面

SHAFT WORKS & COUNTER WEIGHT FILL

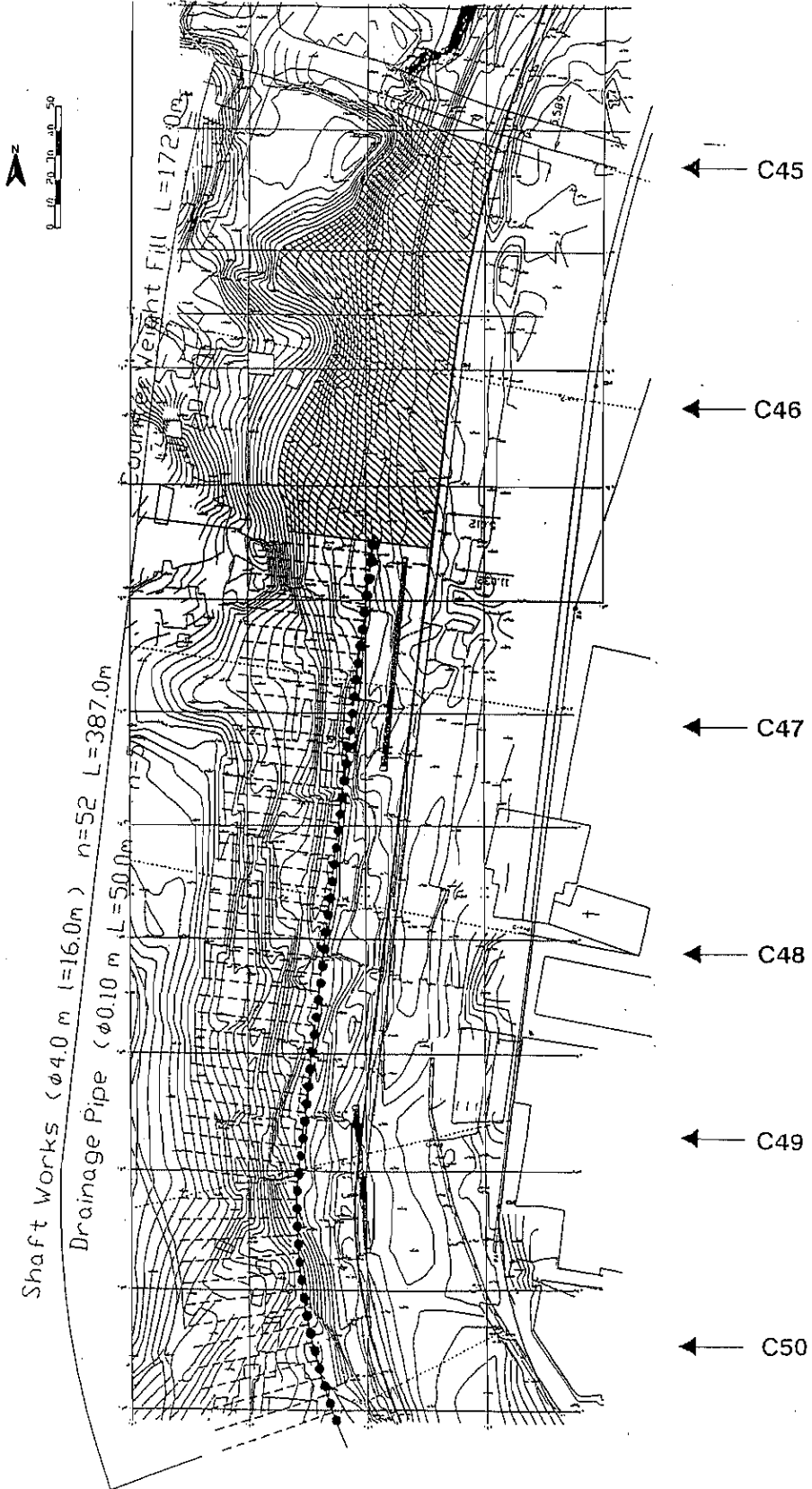


図 4.5

ベリンチェ地滑り計画構造物

LONGITUDINAL SECTION S=1:500
 (C 56)

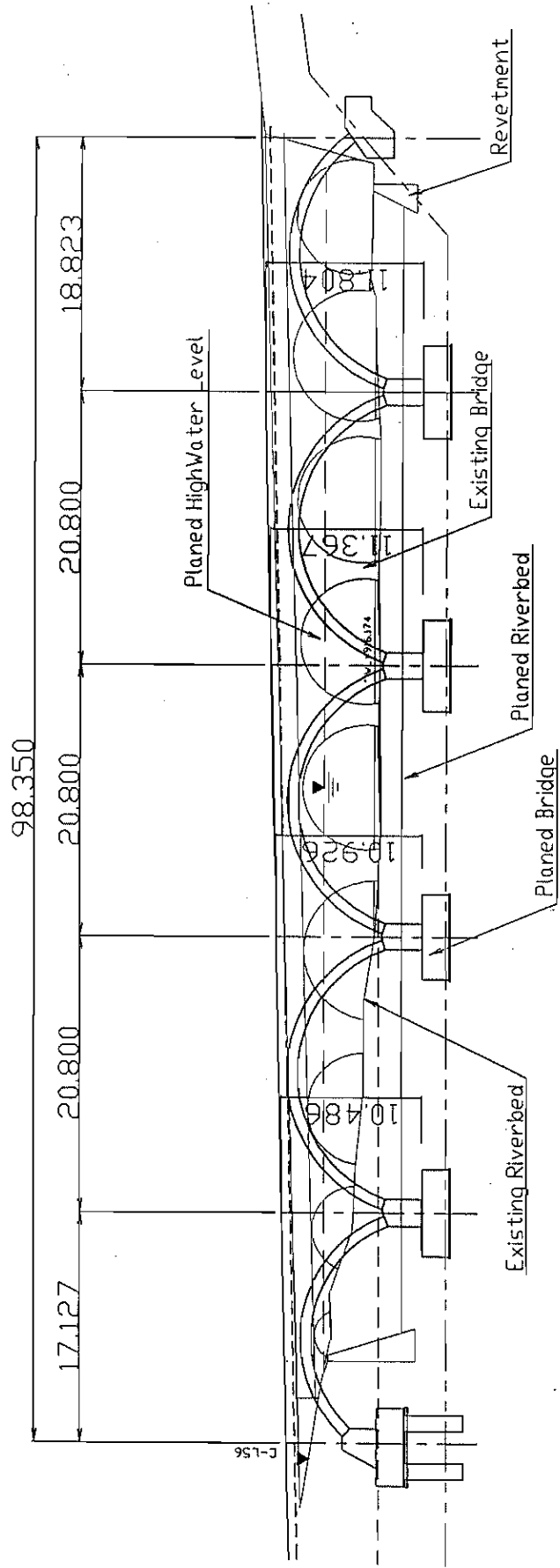


図 4.6

マヨール橋の架け替え

Sediment Load (Q=1,000m³/s)

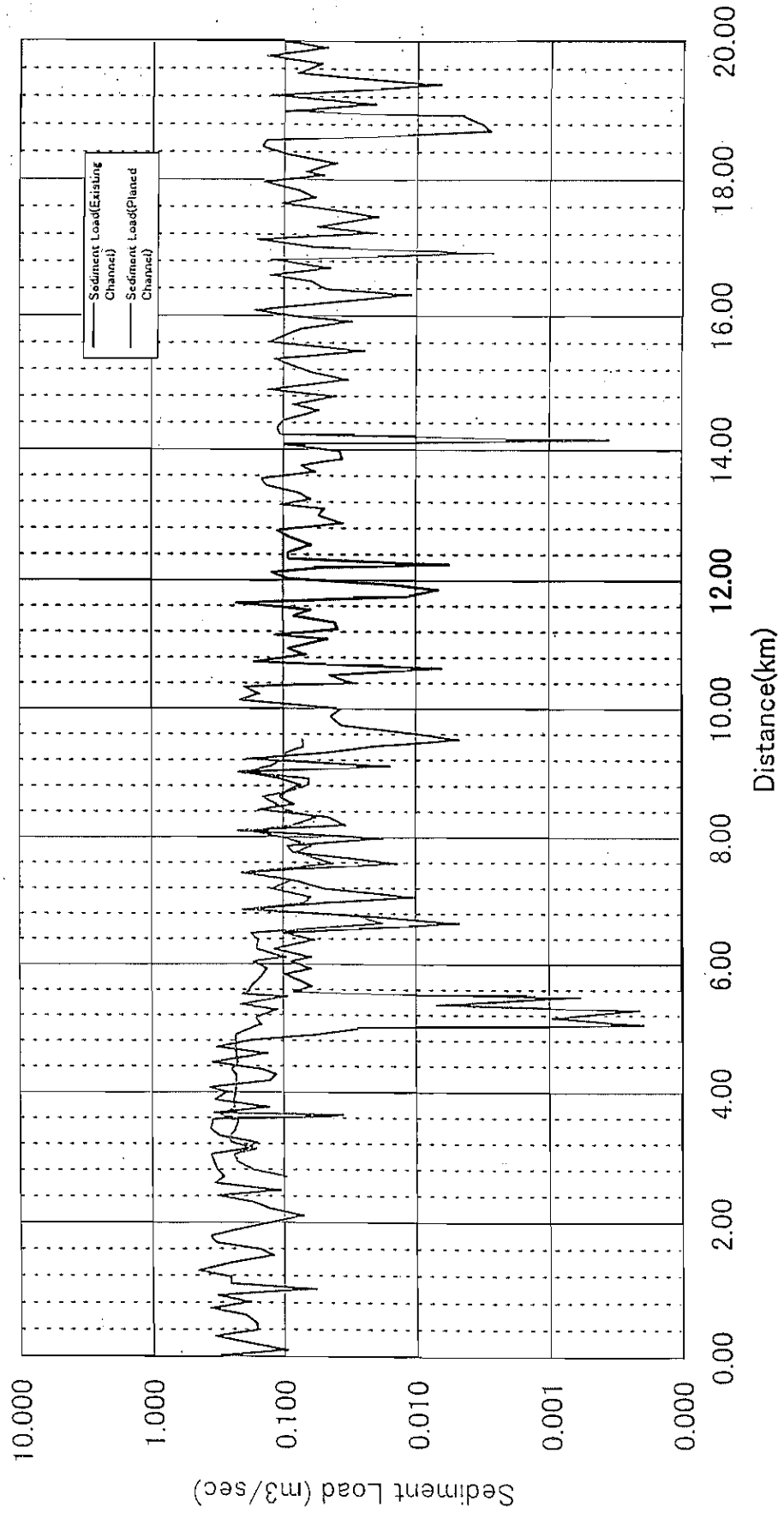


图 4.7

流送土砂

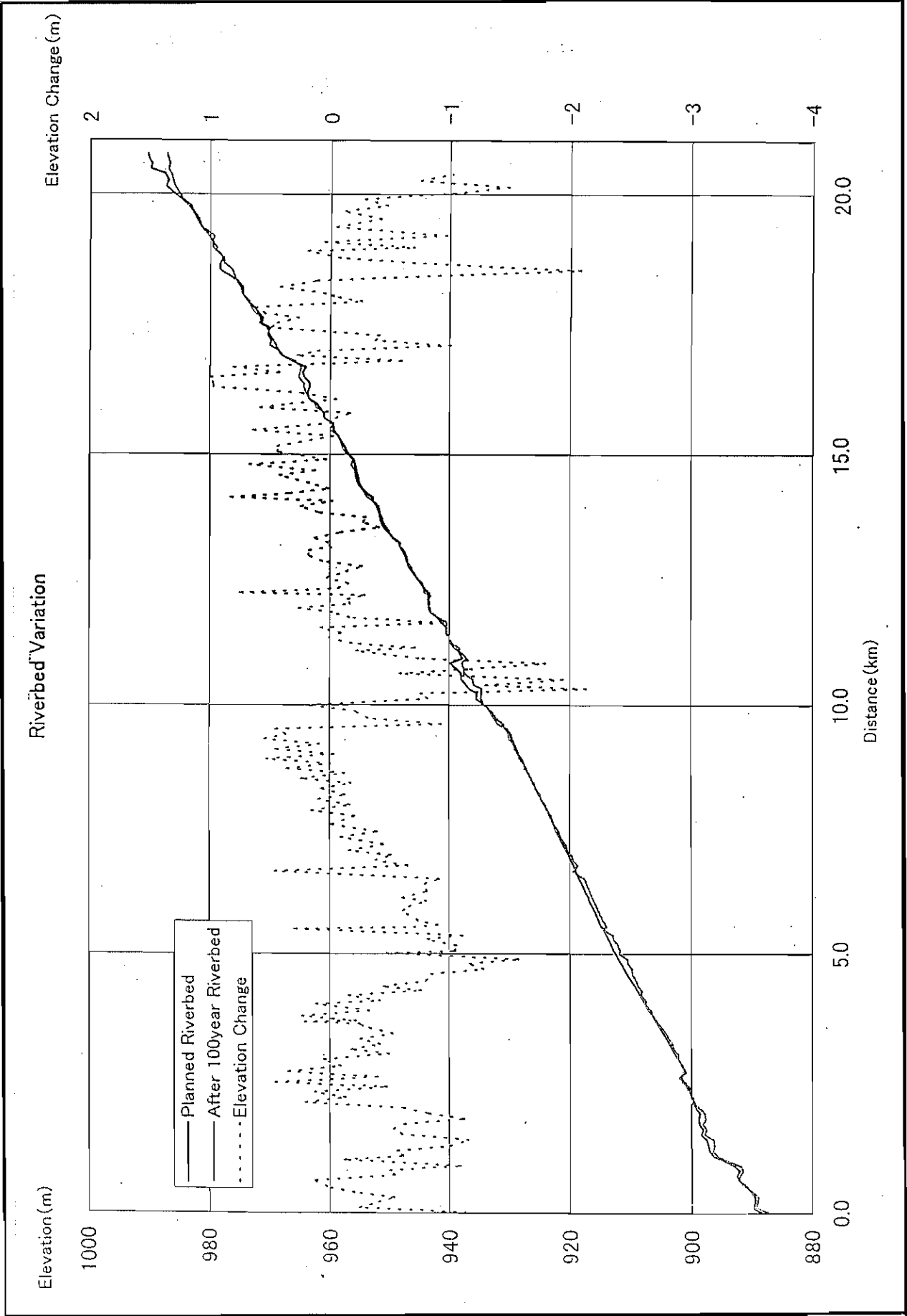
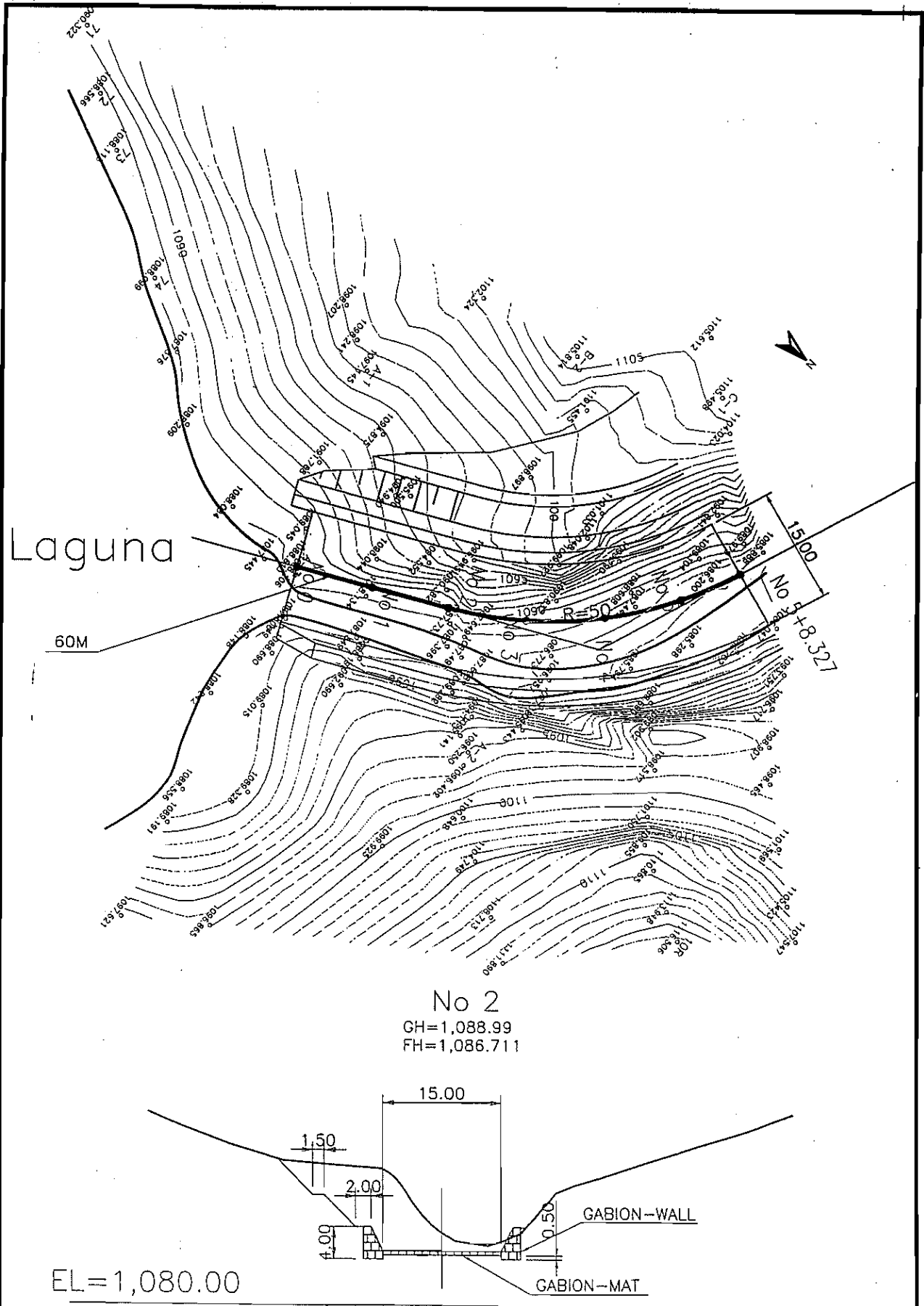


図 4.8

河床変動



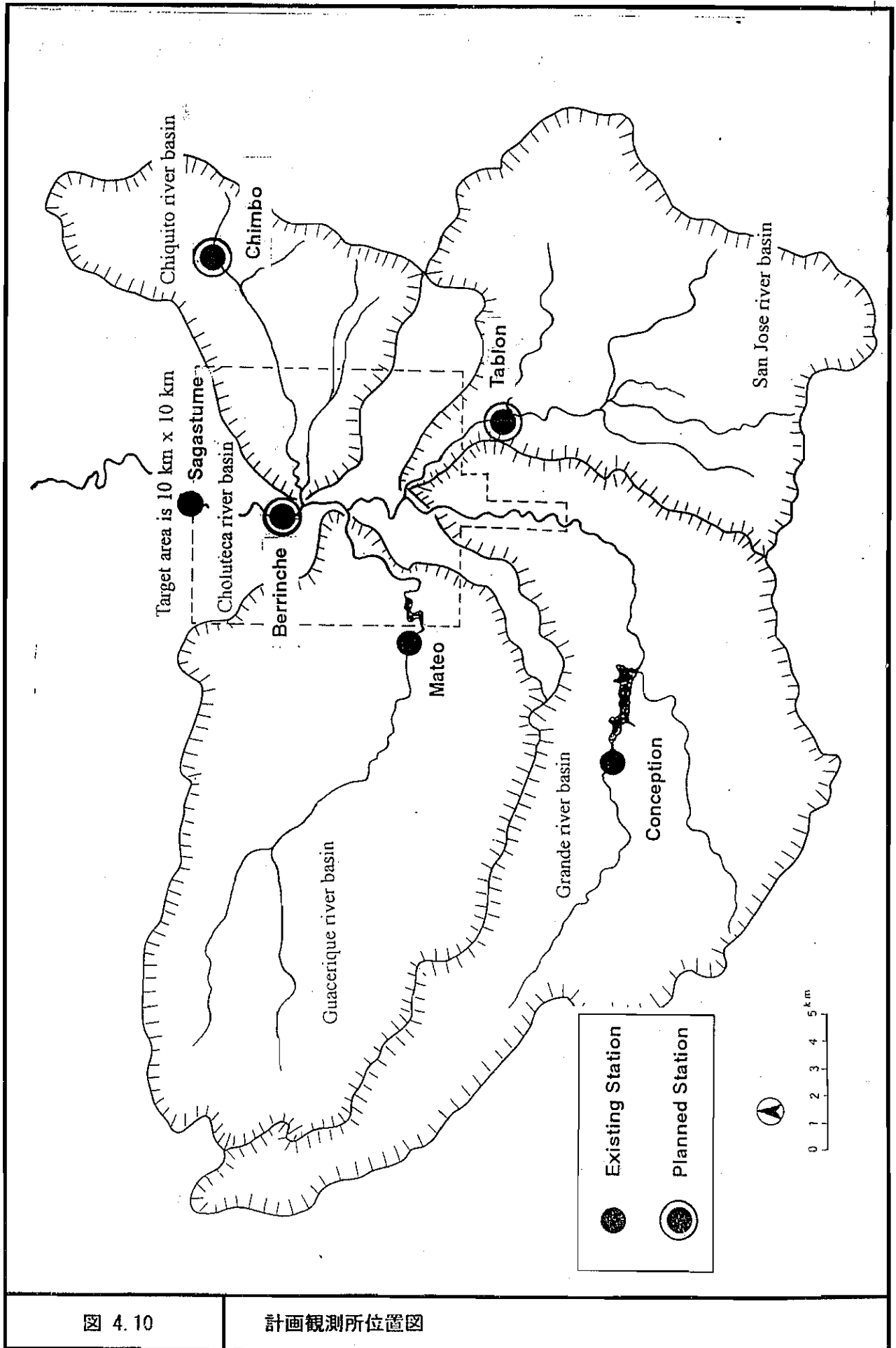


图 4.10

計画観測所位置図

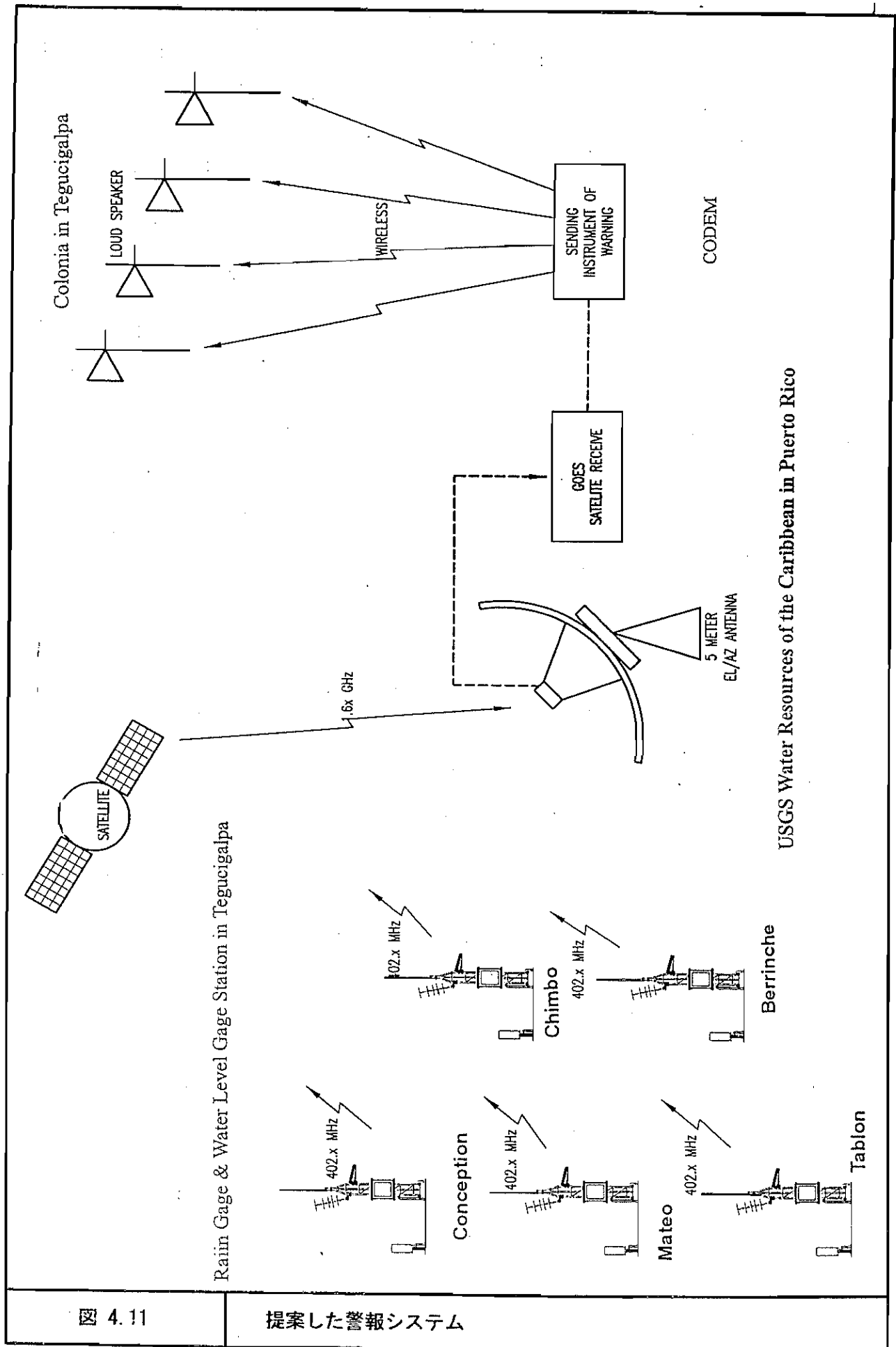


図 4.11

提案した警報システム

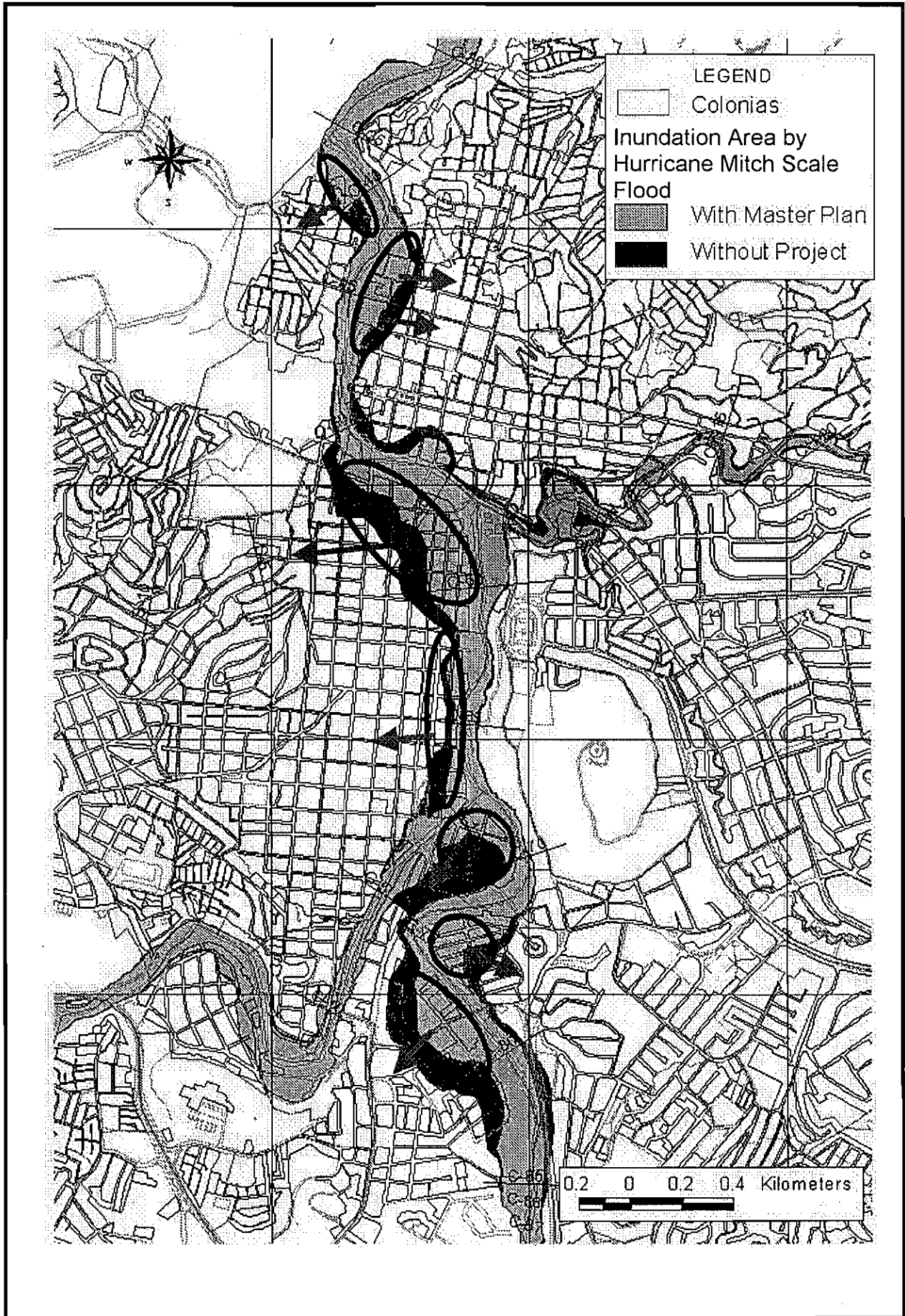


図 4.12

避難場所

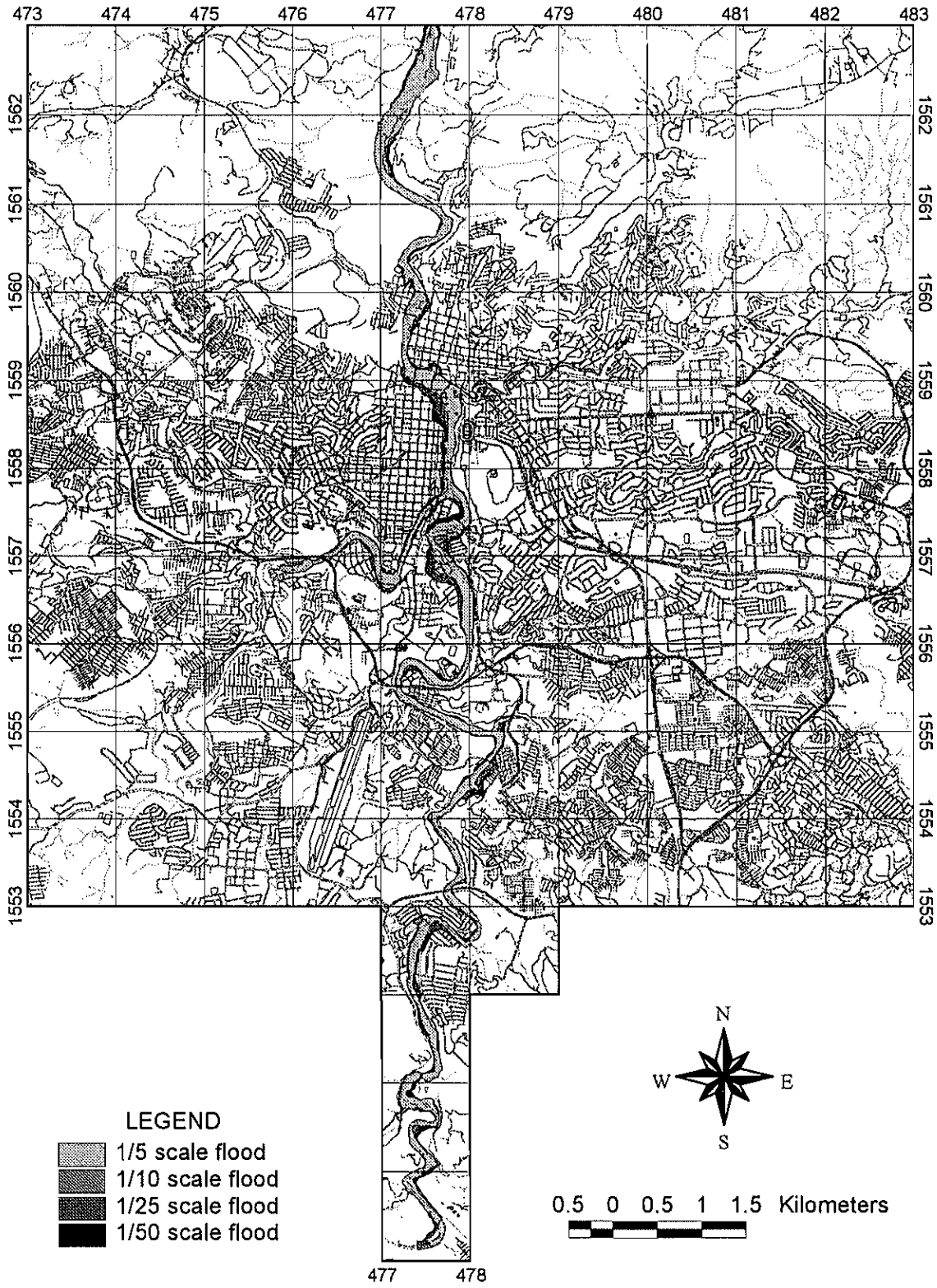


図 4.13 (1)

ハザードマップ (氾濫域図) (1/2)

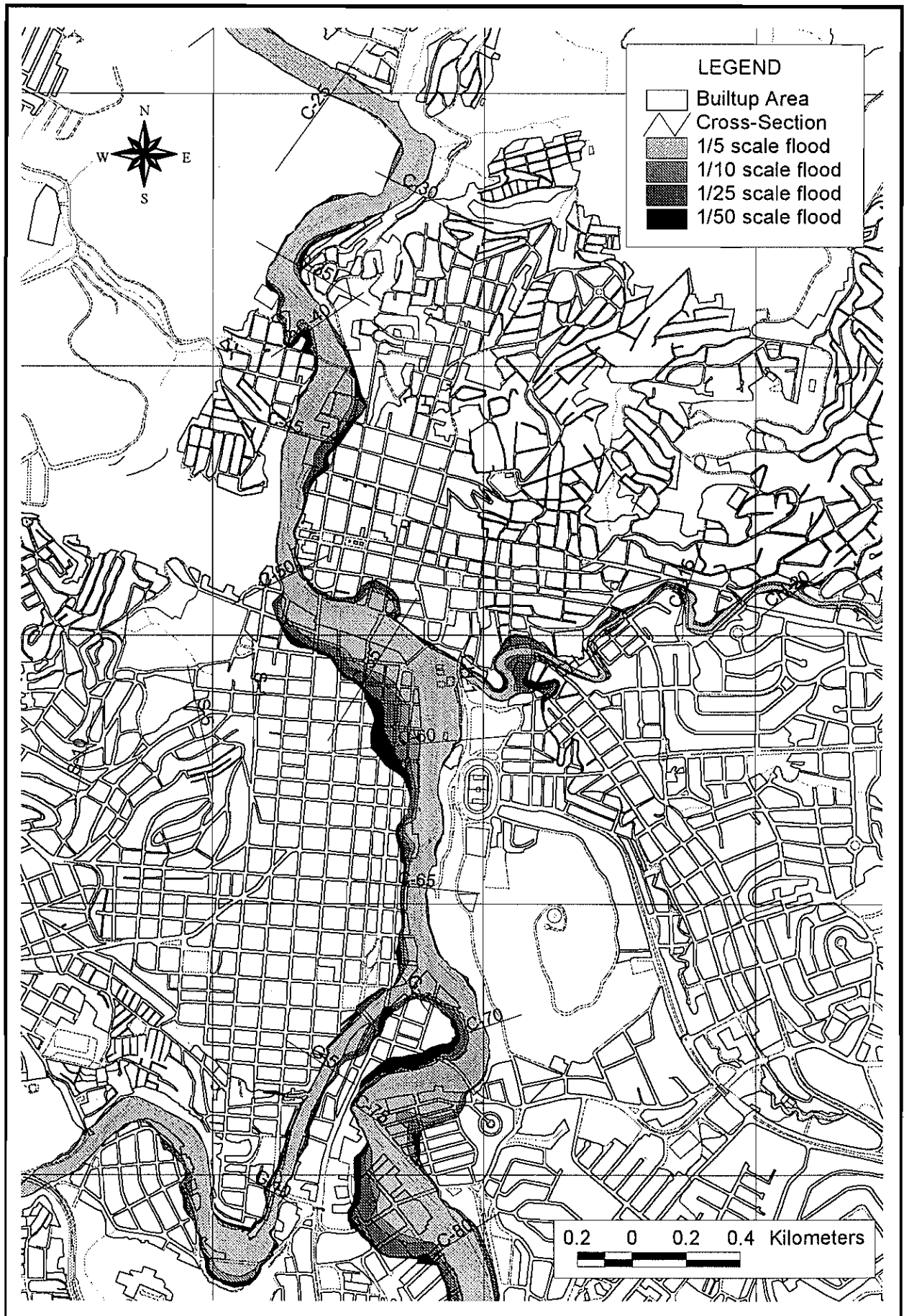


図 4.13 (2)

ハザードマップ (氾濫域図) (2/2)

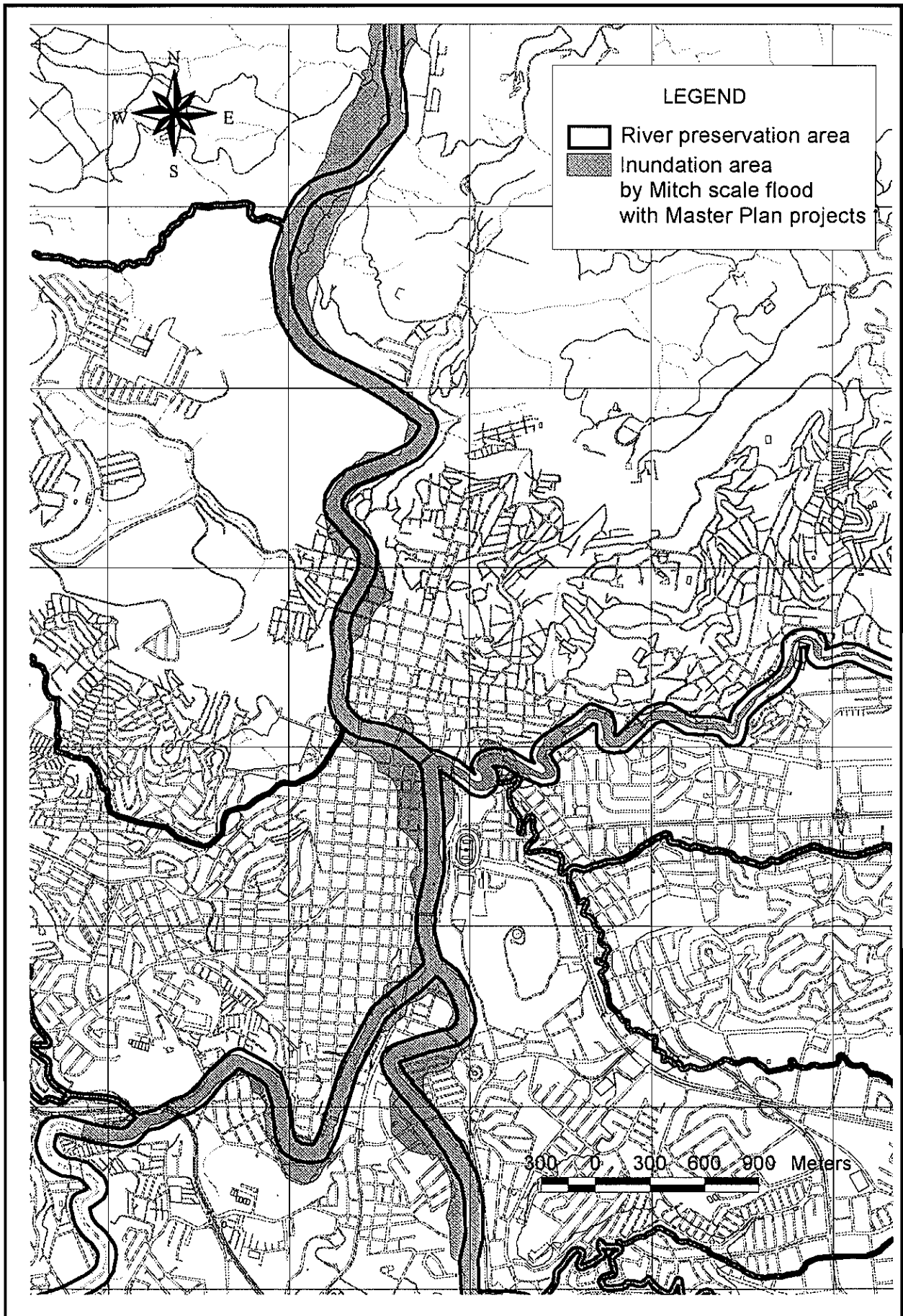


図 4.14 (1)

マスタープランプロジェクト実施後の
ミッチ規模洪水による氾濫域(1/2)

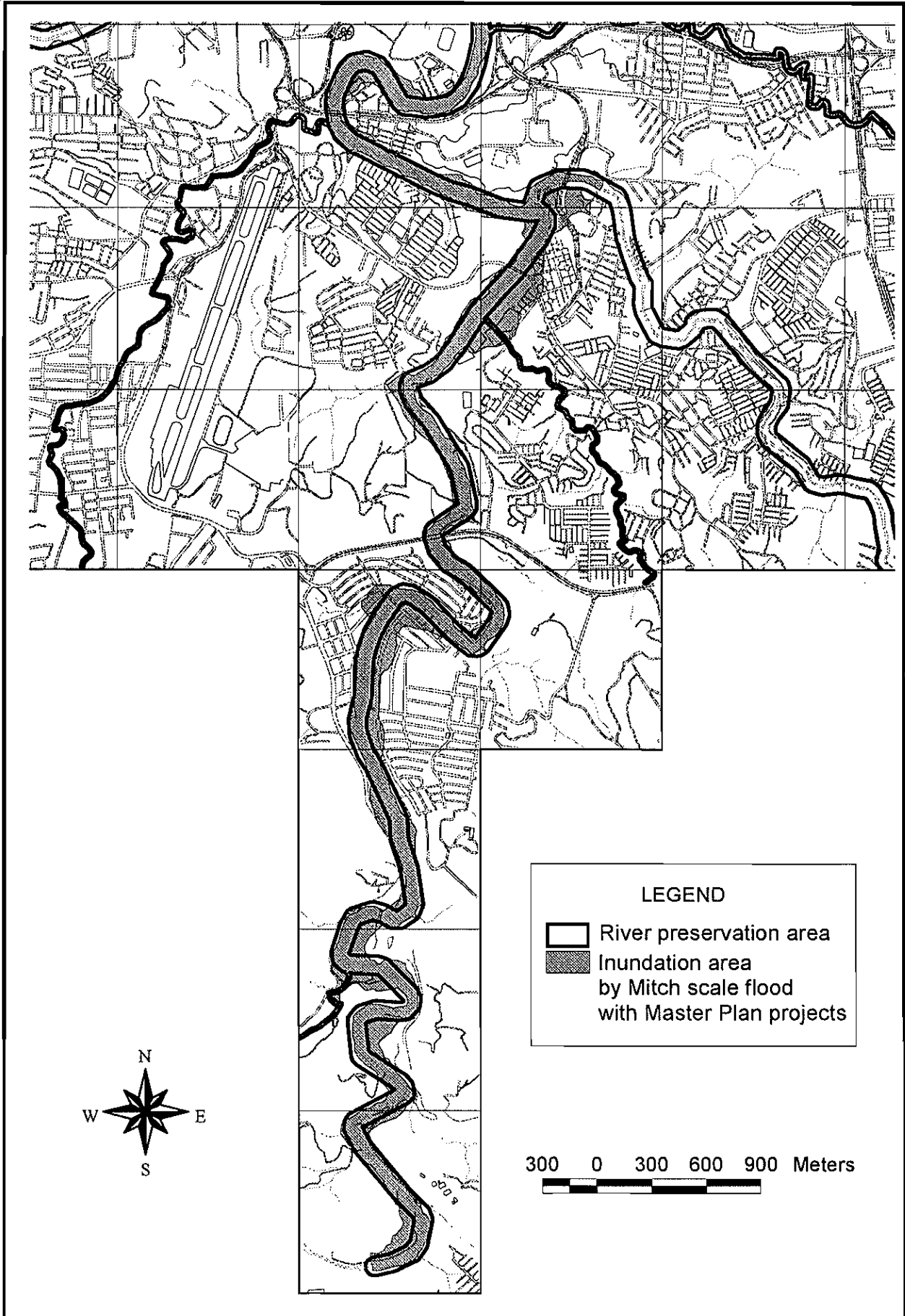
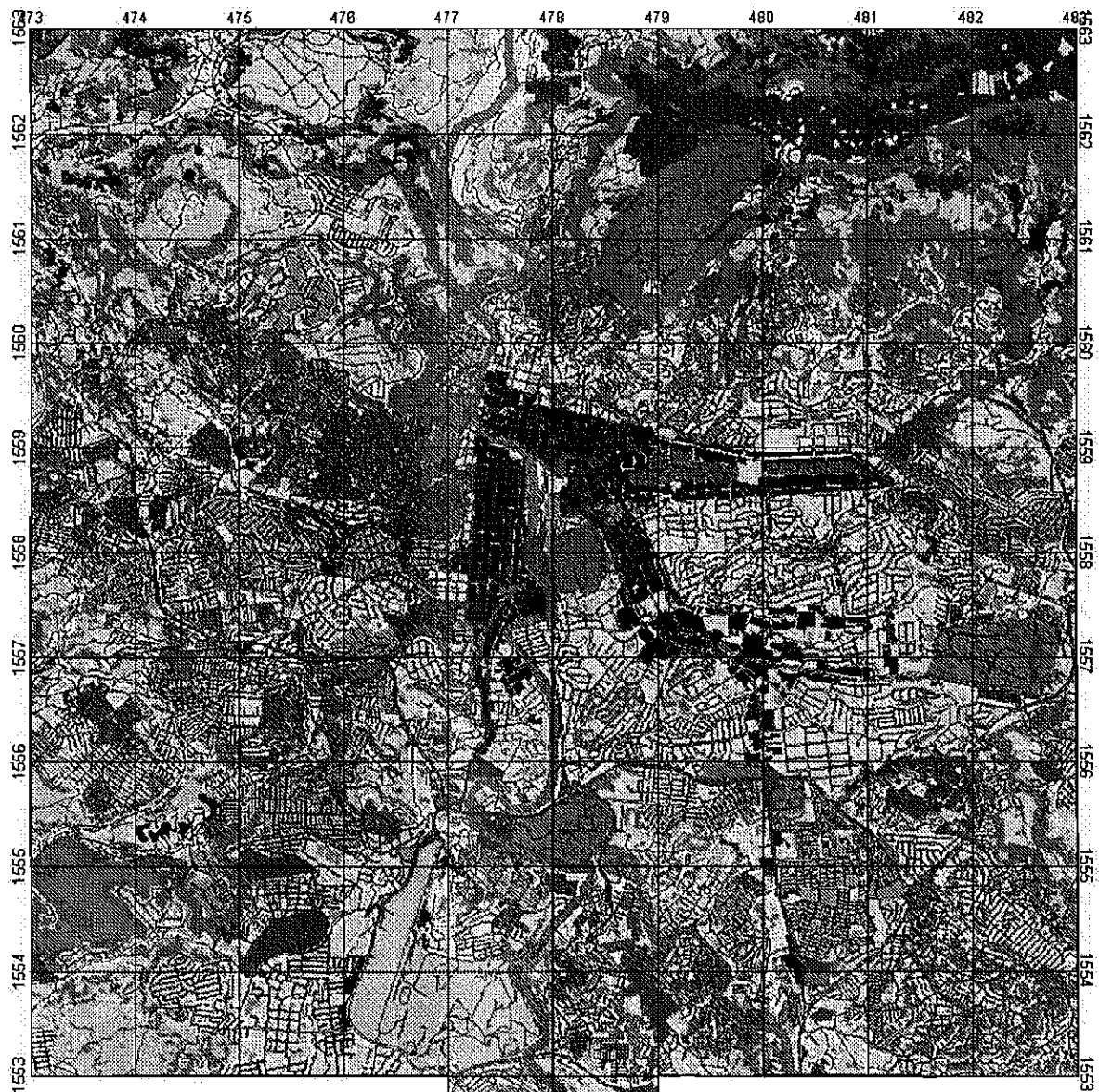


図 4.14 (2)

マスタープランプロジェクト実施後の
ミッチ規模洪水による氾濫域(2/2)



LEGEND

- Disaster Prevention Green Area
- Airport
- Cemetery
- Protocol & Business Area
- Commercial
- Forest & Shrubs
- Industrial Areas
- Military Facility
- Park & Green Areas
- Public Facility

- R-1: Residential 250 pers. / ha
- R-2: Residential 400 pers. / ha
- R-3: Residential 500 pers. / ha
- R-4: Residential 800 pers. / ha
- R-5: Residential > 800 pers. / ha
- Reservoir
- River Reserve Area
- Roads & Streets
- Sports Field
- Vacant Space

0.5 0 0.5 1 1.5 Kilometers

477 478



図 4.15

対象地域の将来土地利用計画

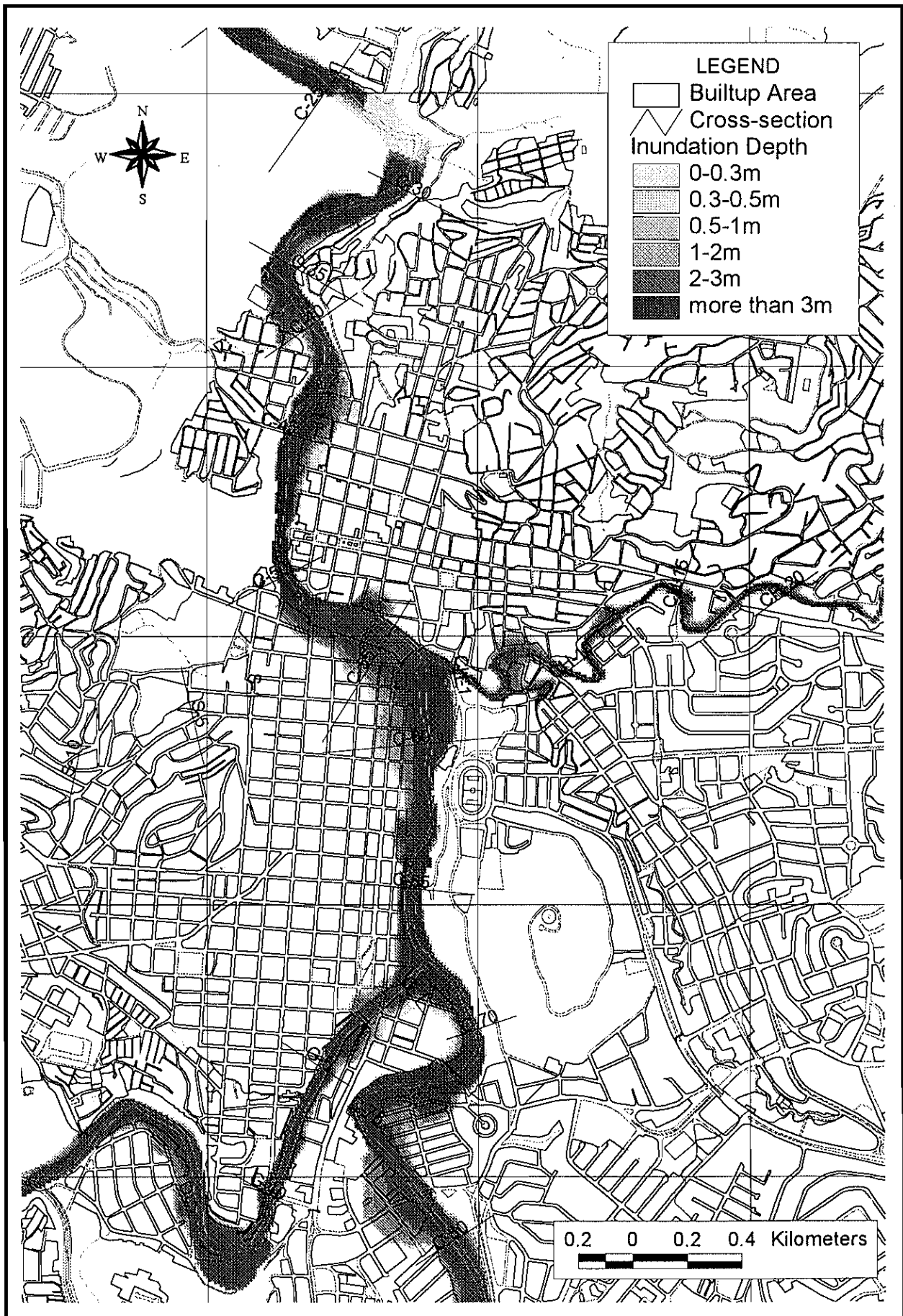


図 4.16

マスタープランプロジェクト実施後のミッチ規模洪水による氾濫水深

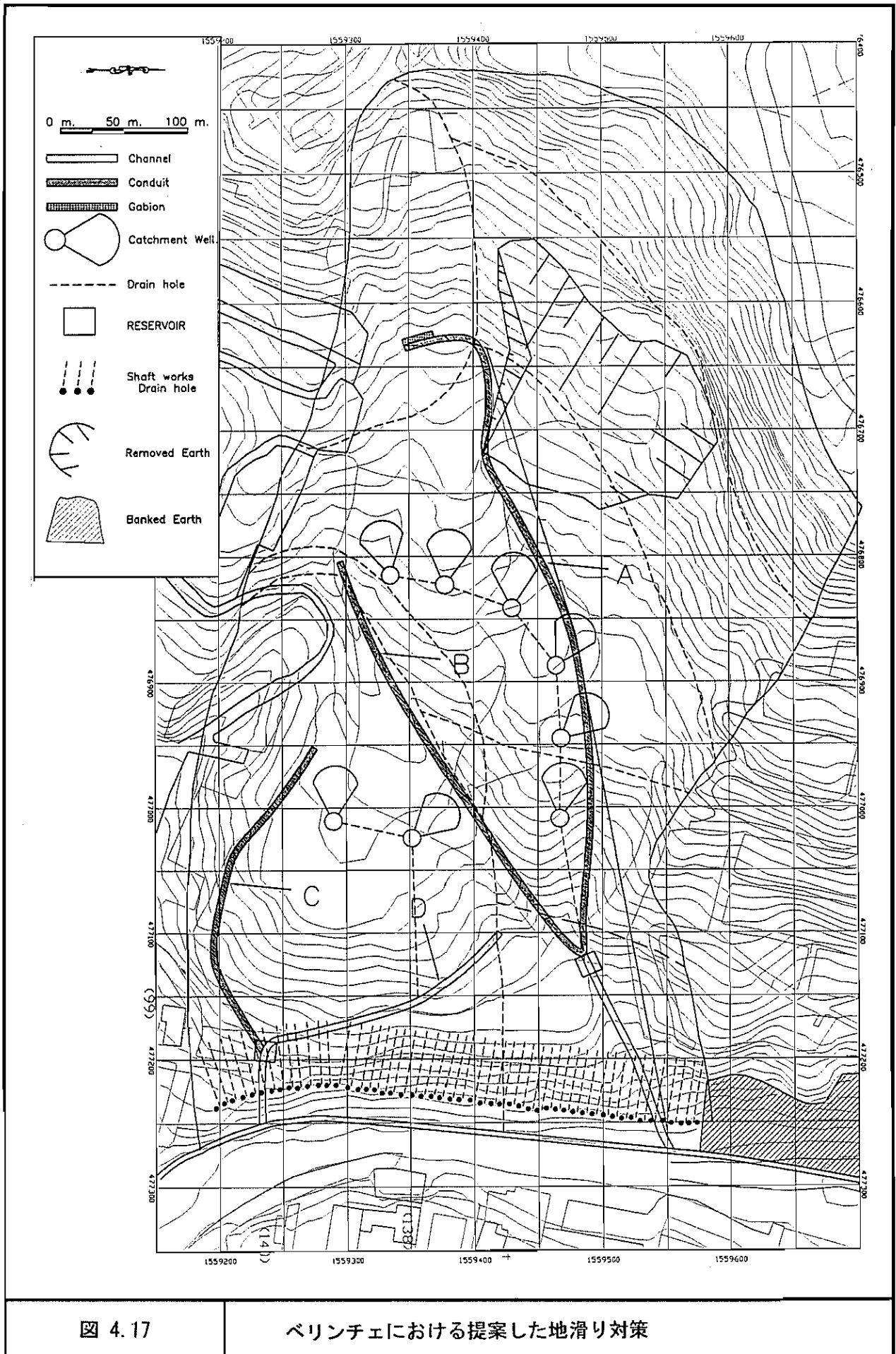


図 4.17

ベリンチェにおける提案した地滑り対策

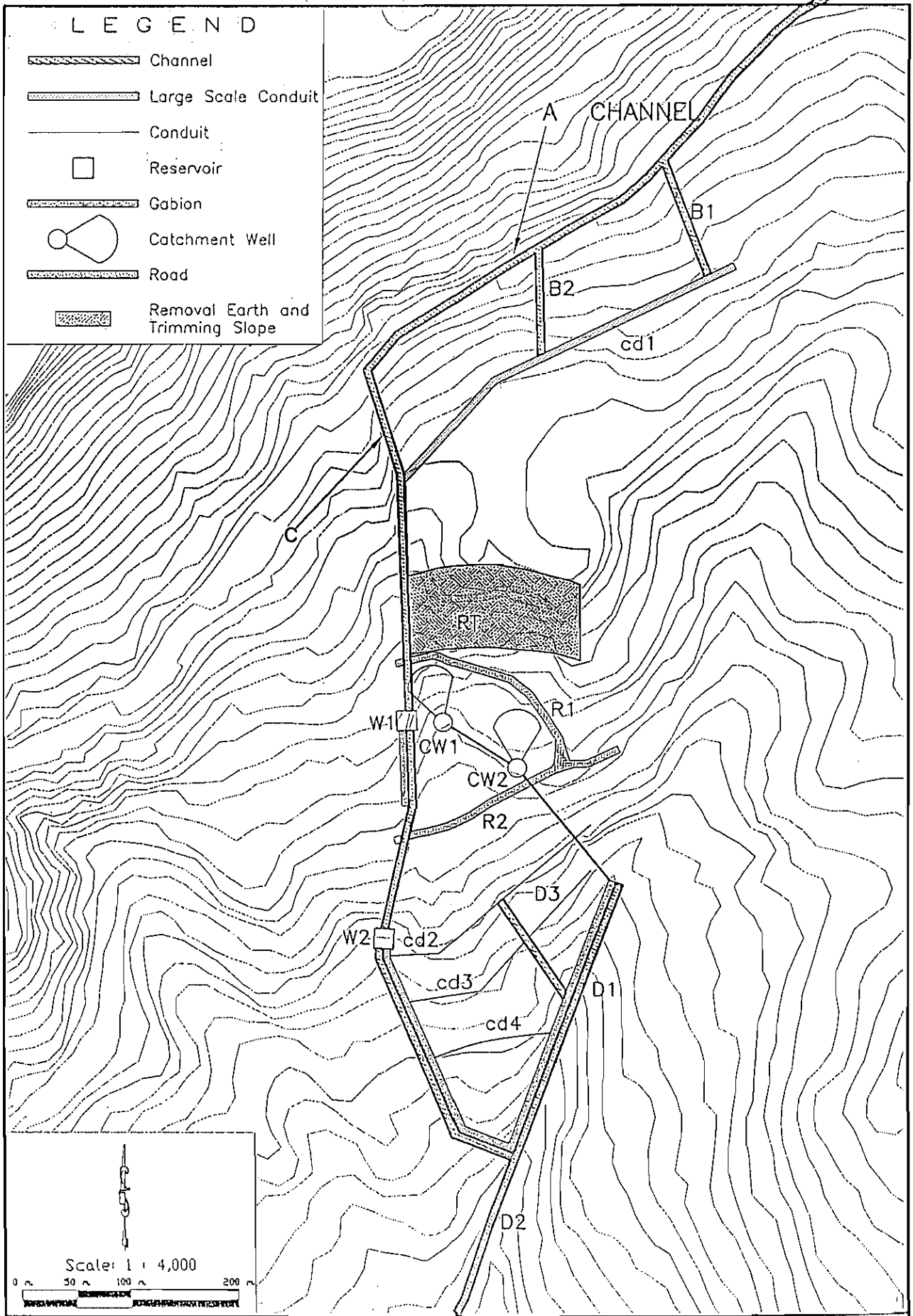


図 4.18

レポートにおける提案した地滑り対策

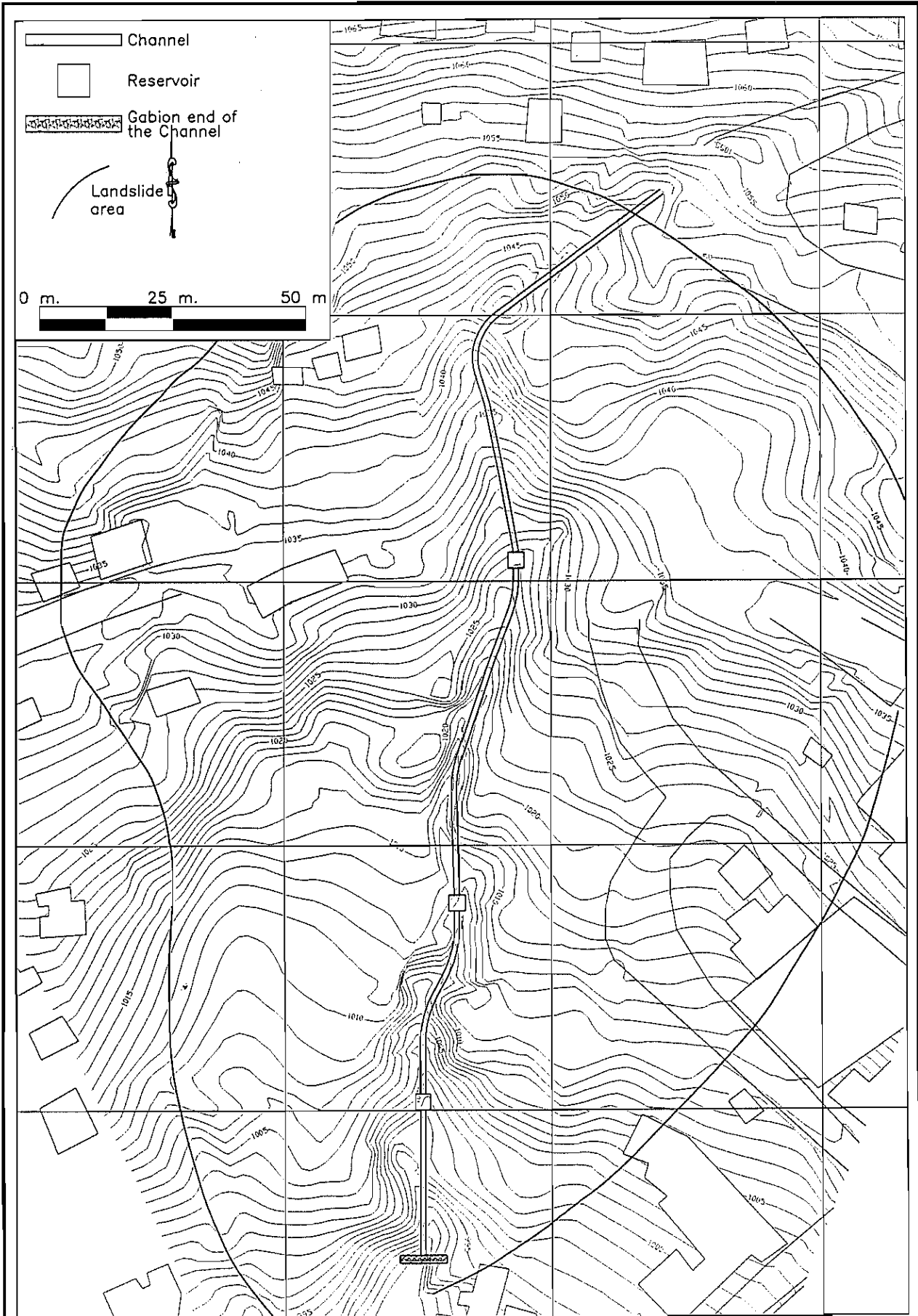


図 4.19

バンブーにおける提案した地滑り対策

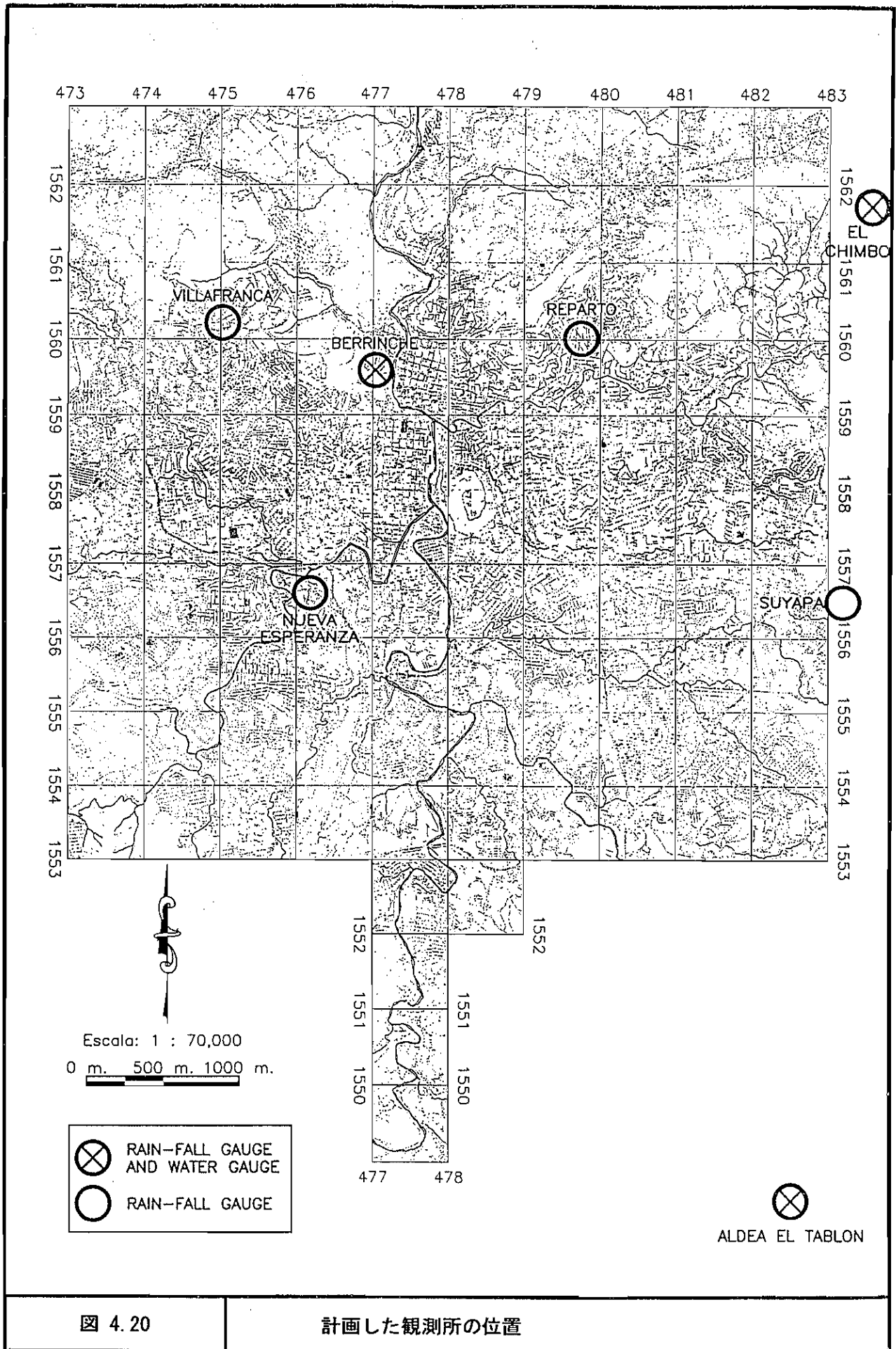


図 4.20

計画した観測所の位置

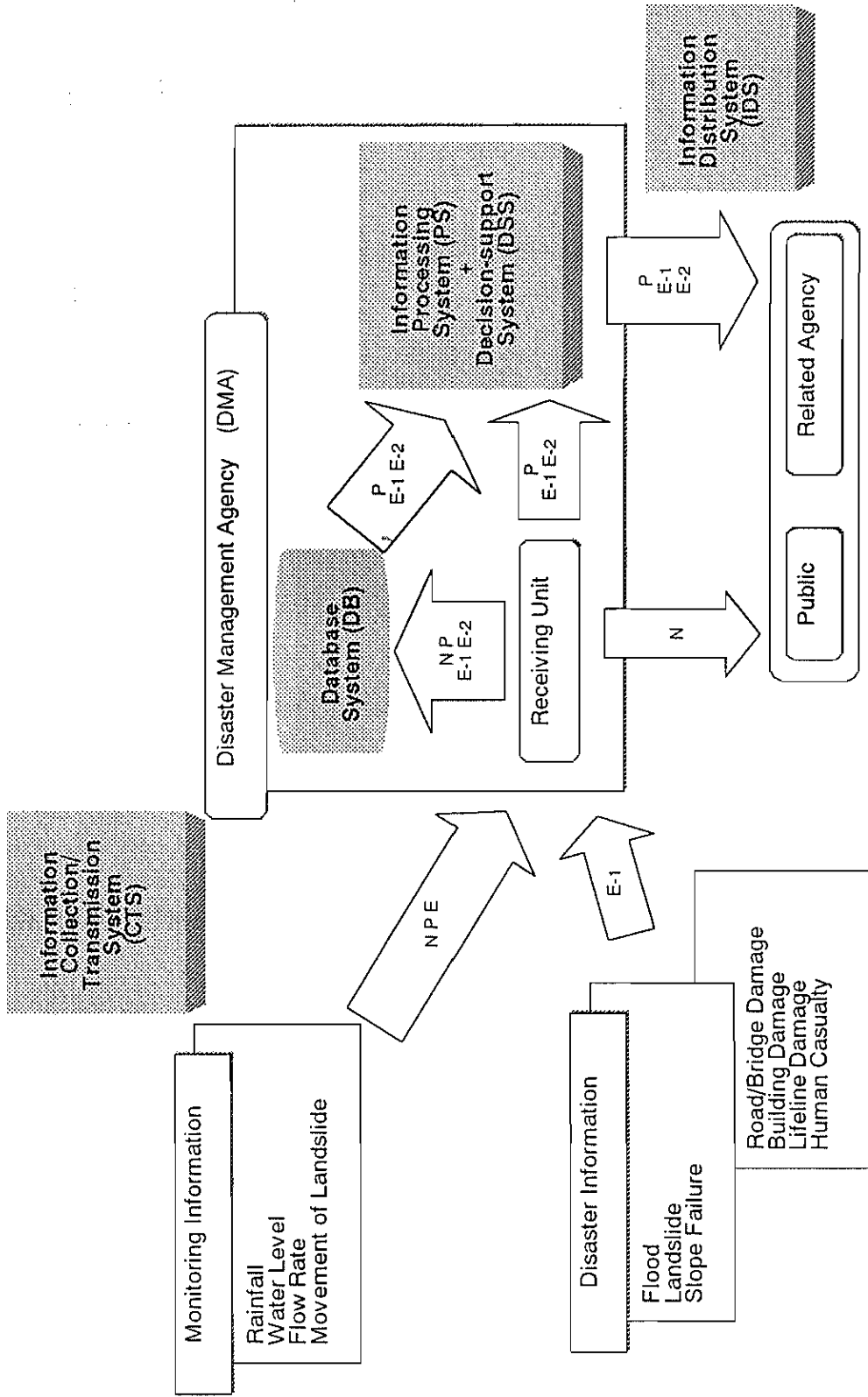


図 4.21

情報の流れ

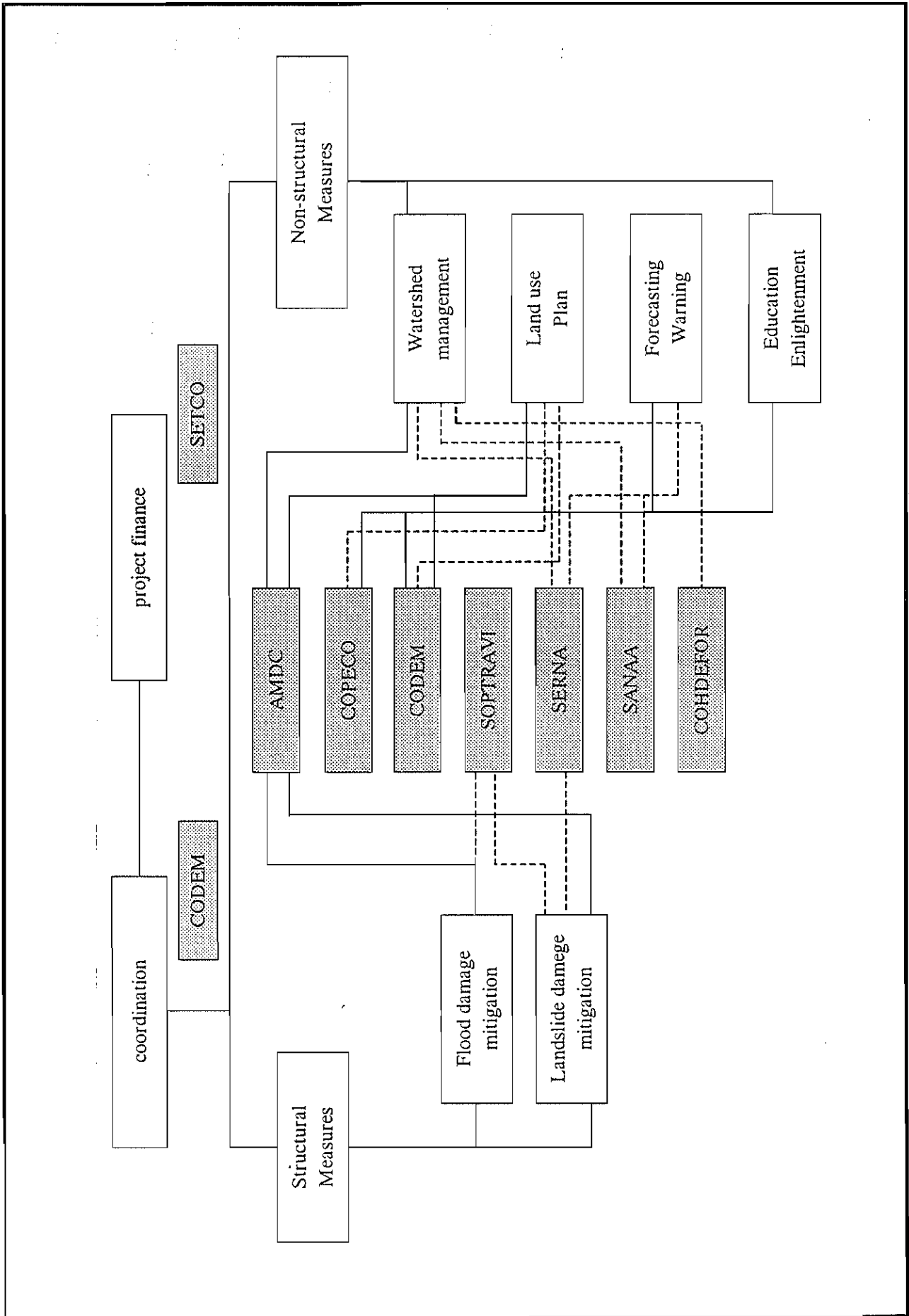


図 4.22 (1)

災害予防の連携計画

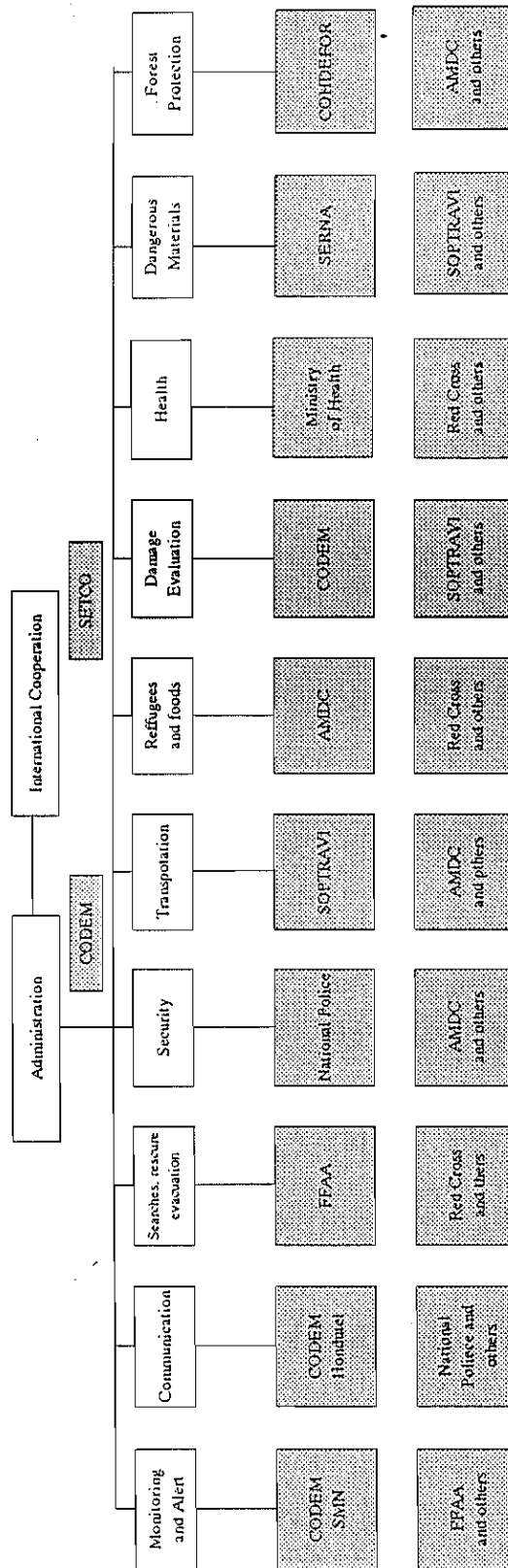


図 4.22 (2)

緊急対応の連携計画

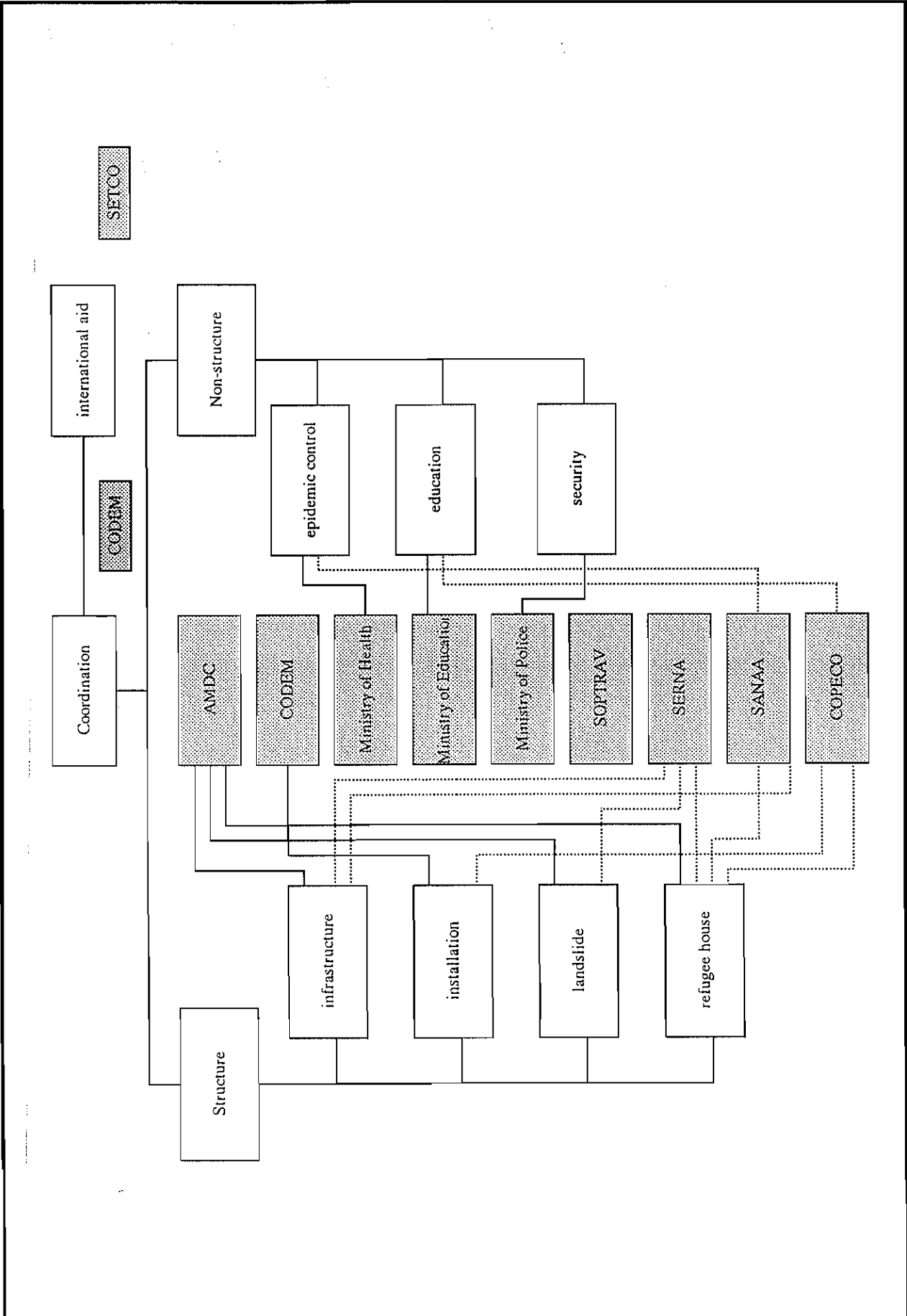


図 4.22 (3)

災害復旧の連携計画

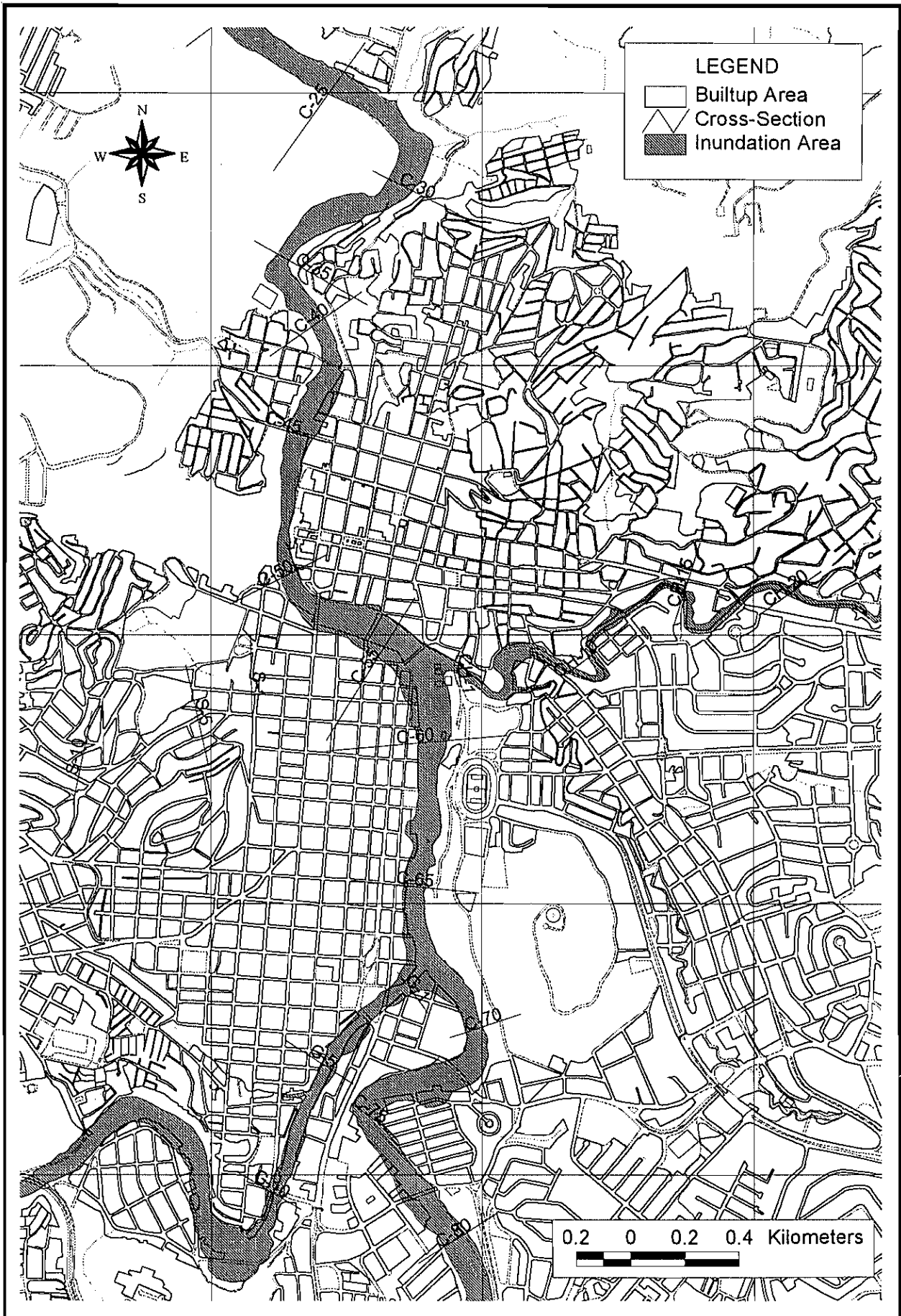


図 4.23 河道掘削後の1/15洪水による氾濫地域

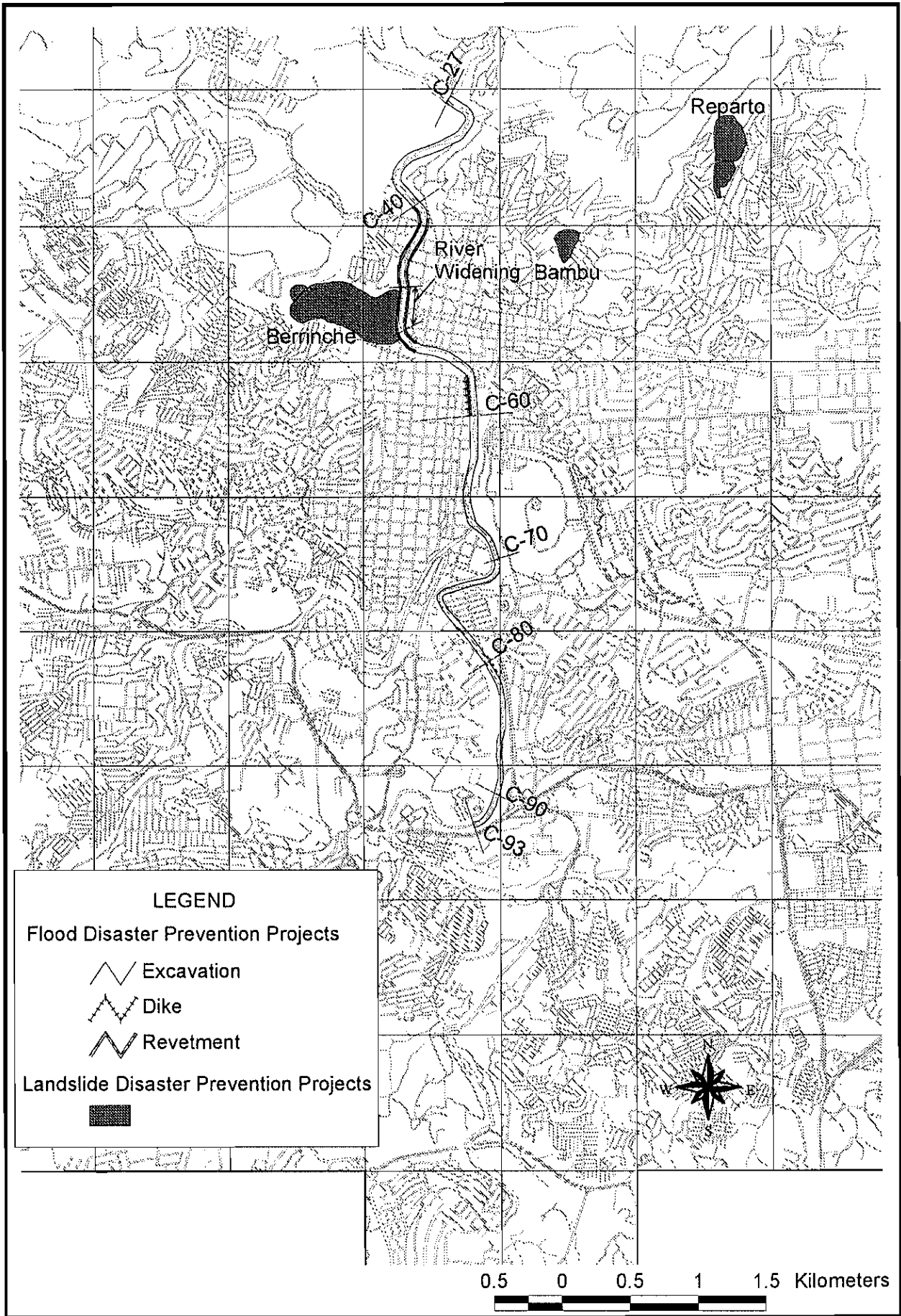


図 6.1

優先プロジェクト位置図 (構造物対策)

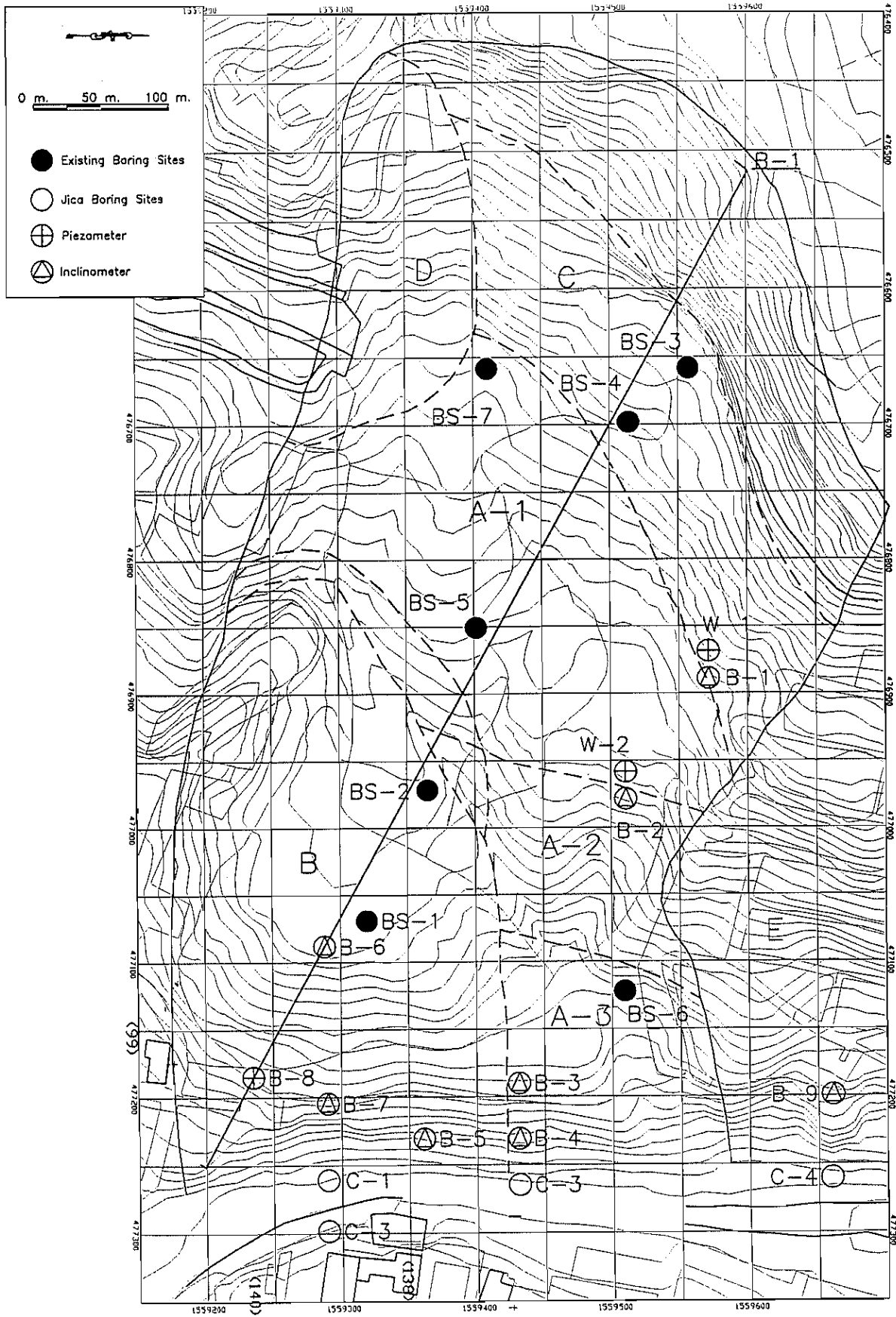


図 6.2 (1)

ボーリング位置図 (ベリンチェ)

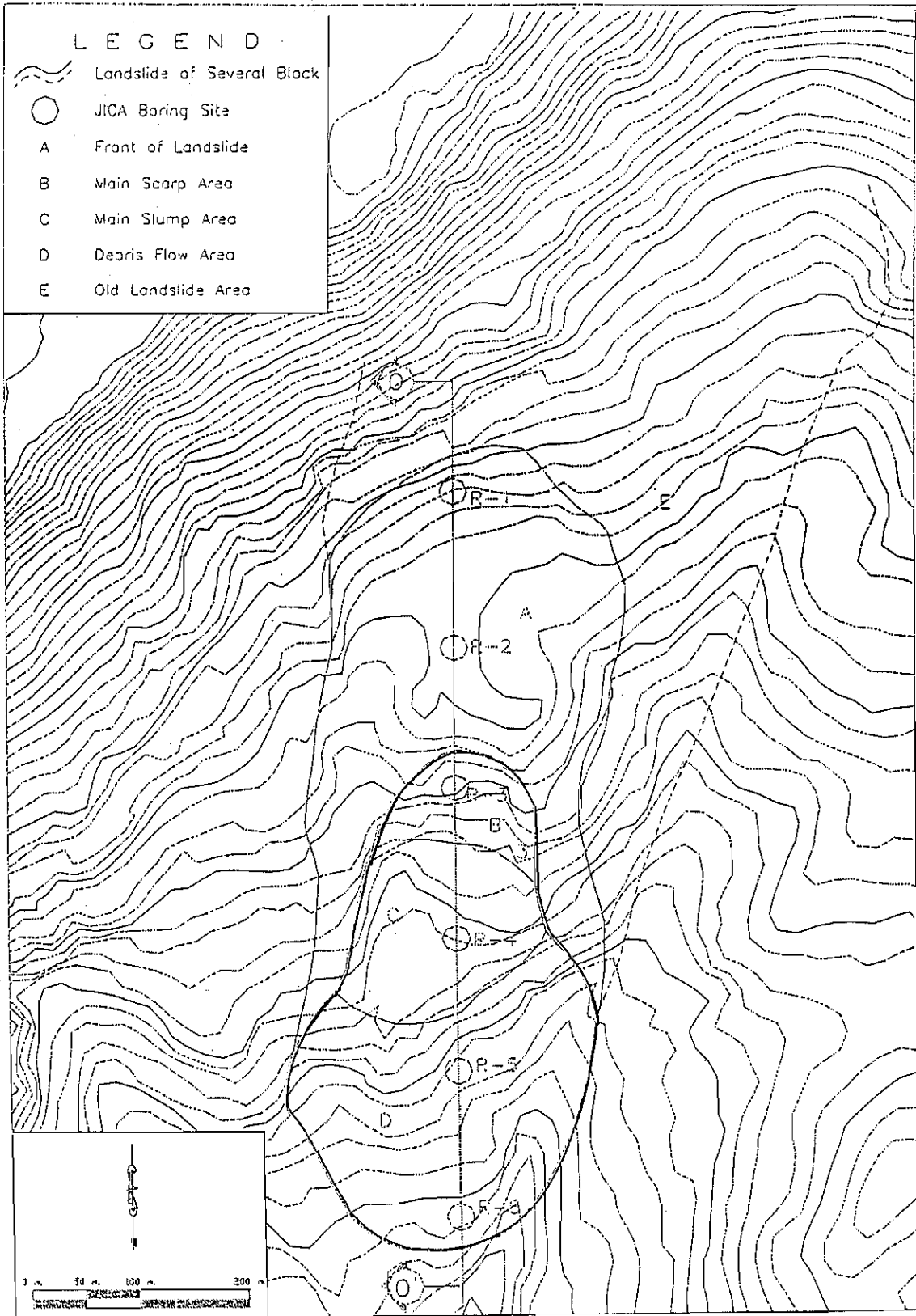


図 6.2 (2)

ボーリング位置図 (レパルト)

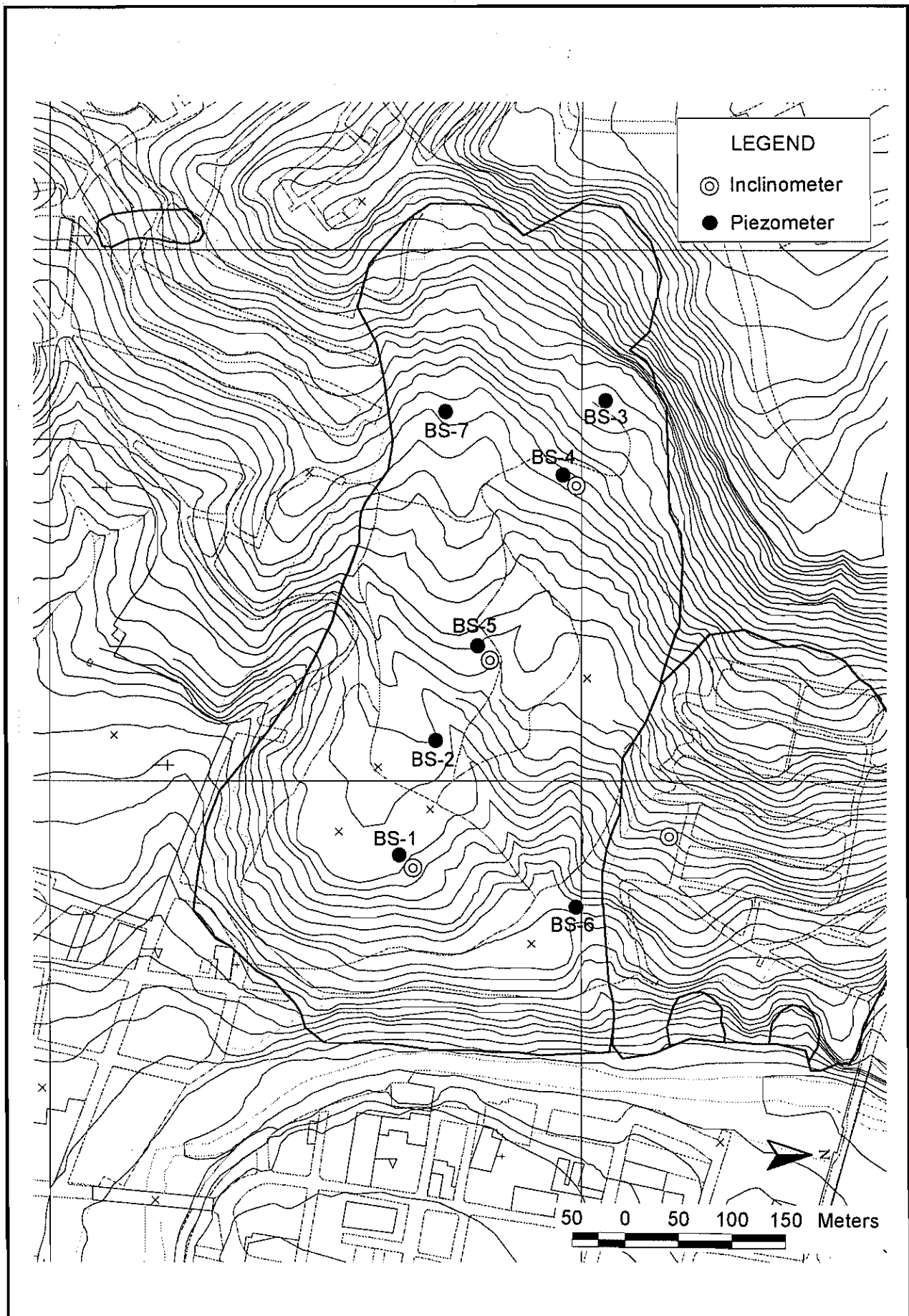


図 6.2 (3)

SERNA による観測位置図

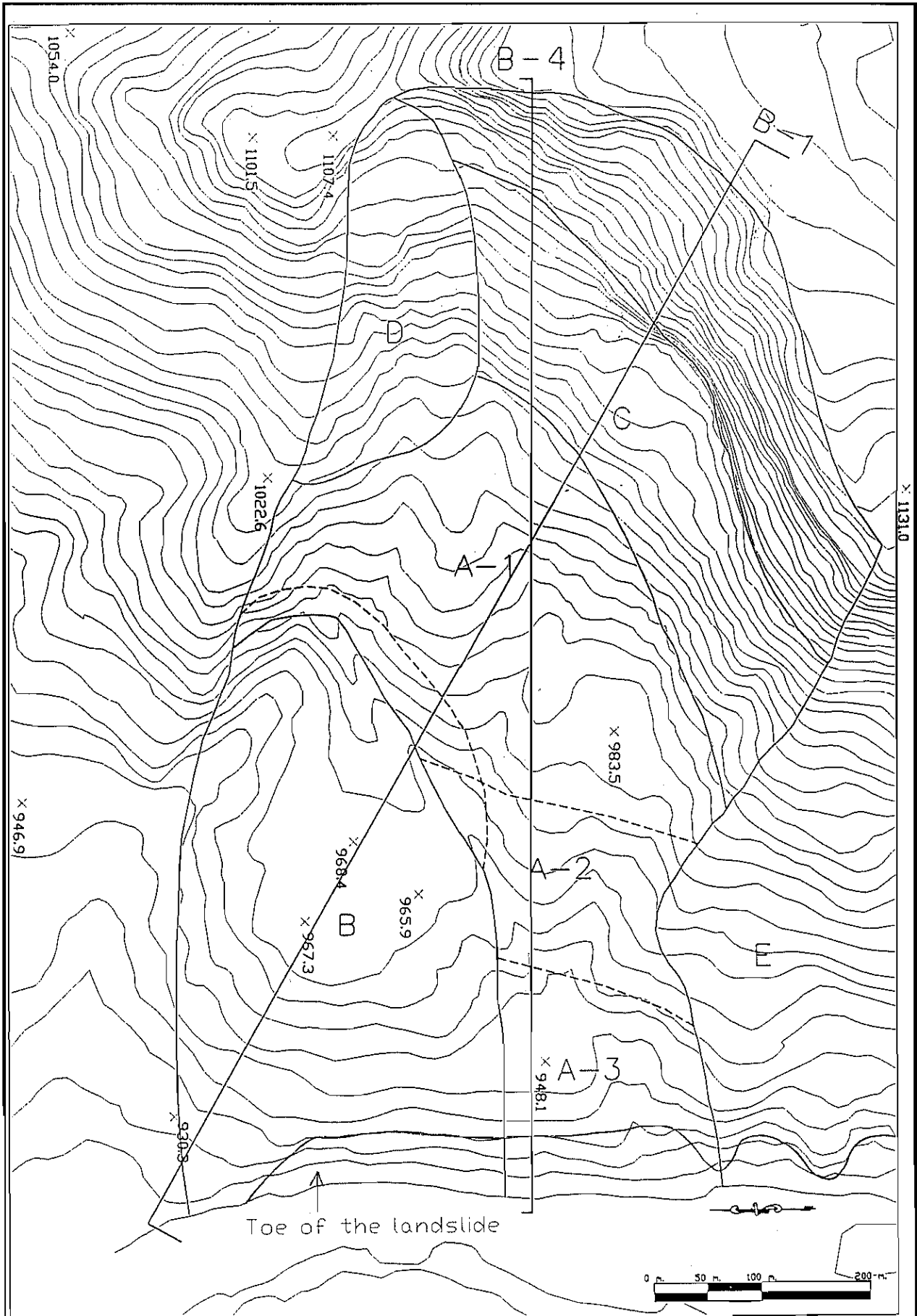


図 6.3

ベリンチェの地滑りサブブロック

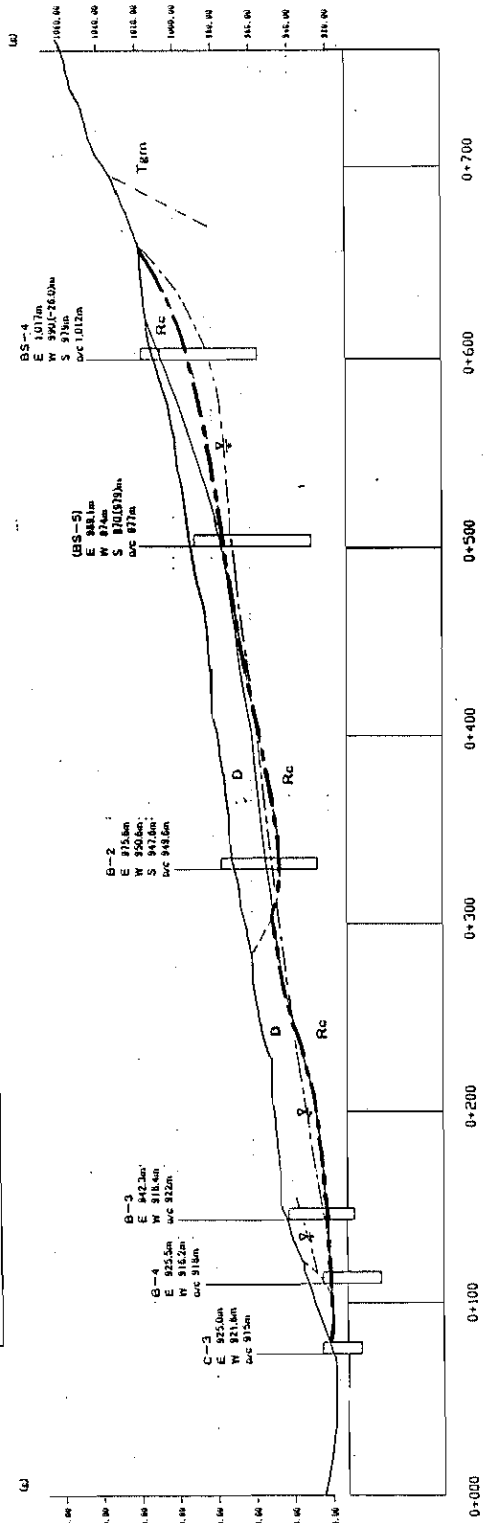
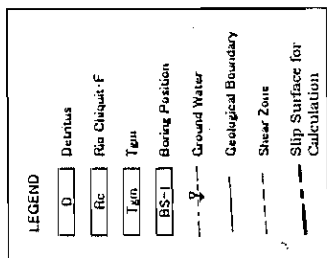
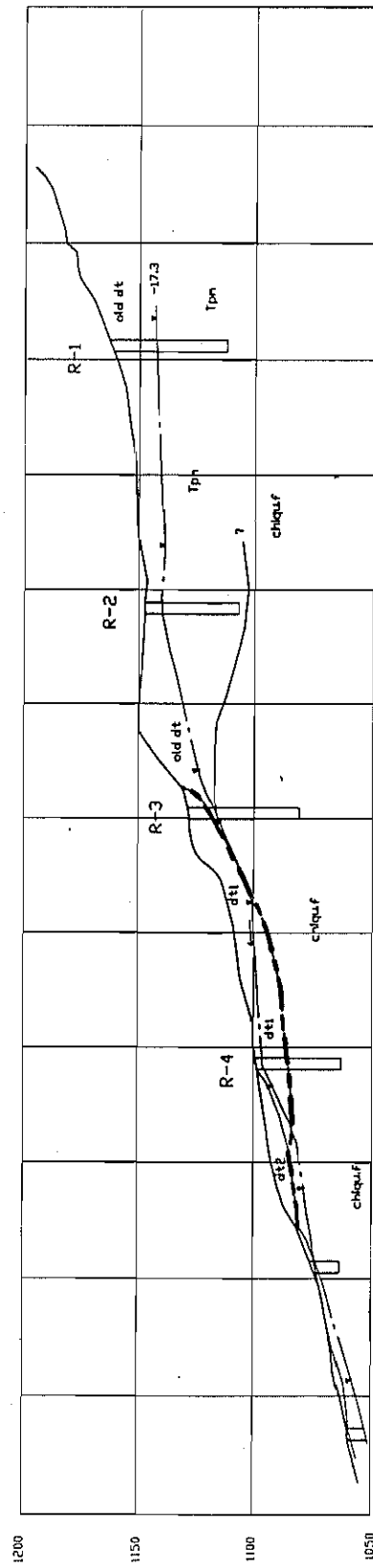


図 6.4

B-4 断面の滑り面



▽ : Ground water level
 R : Boring
 dt : Detritus
 Old dt : Old Detritus
 Tpm : Tuff
 Chiquit : Rio chiquit formation
 - - - : Slip Surface for Calculation

図 6.5

レパルトの滑り面

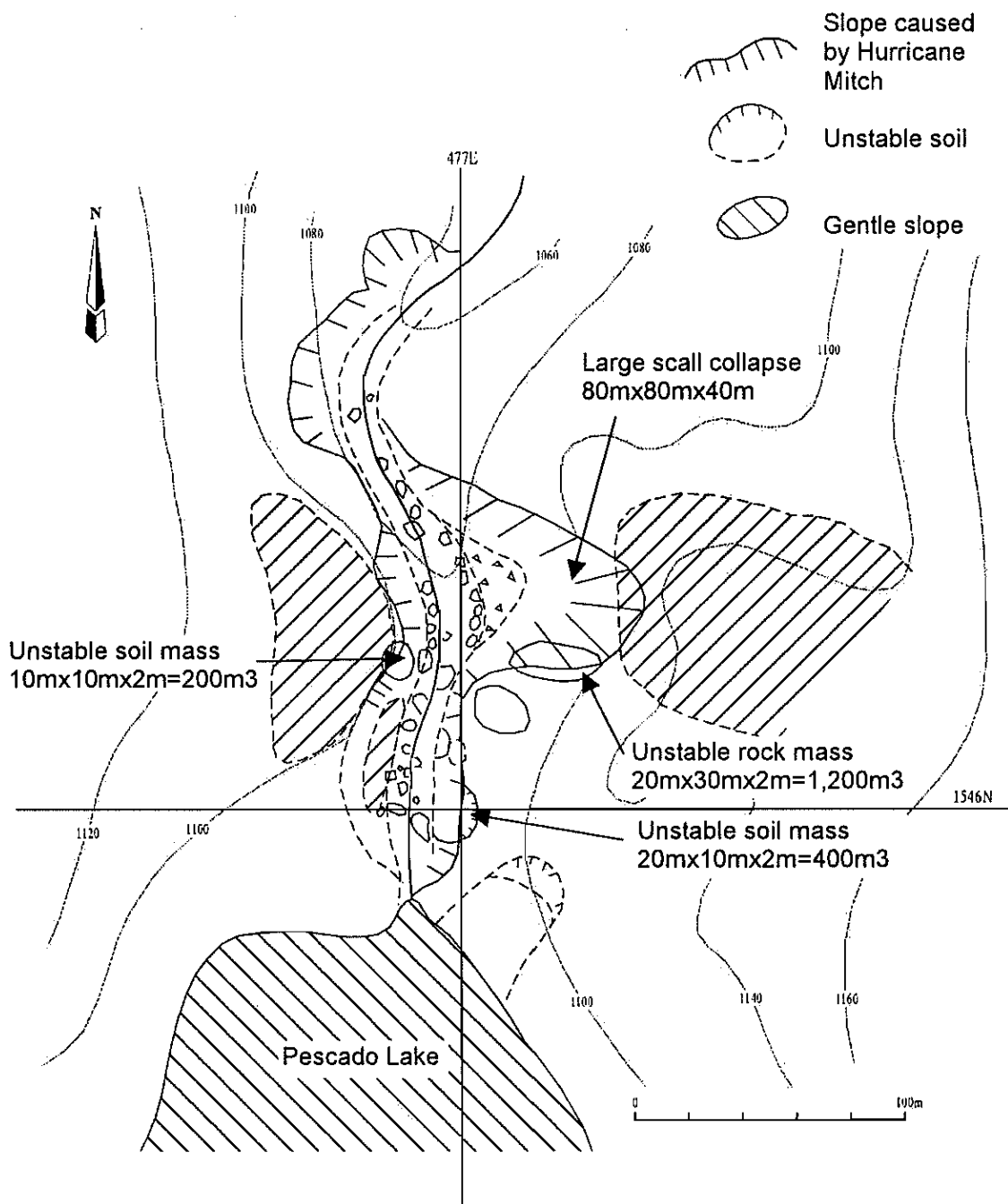


図 6.6

ペスカド湖地質概要

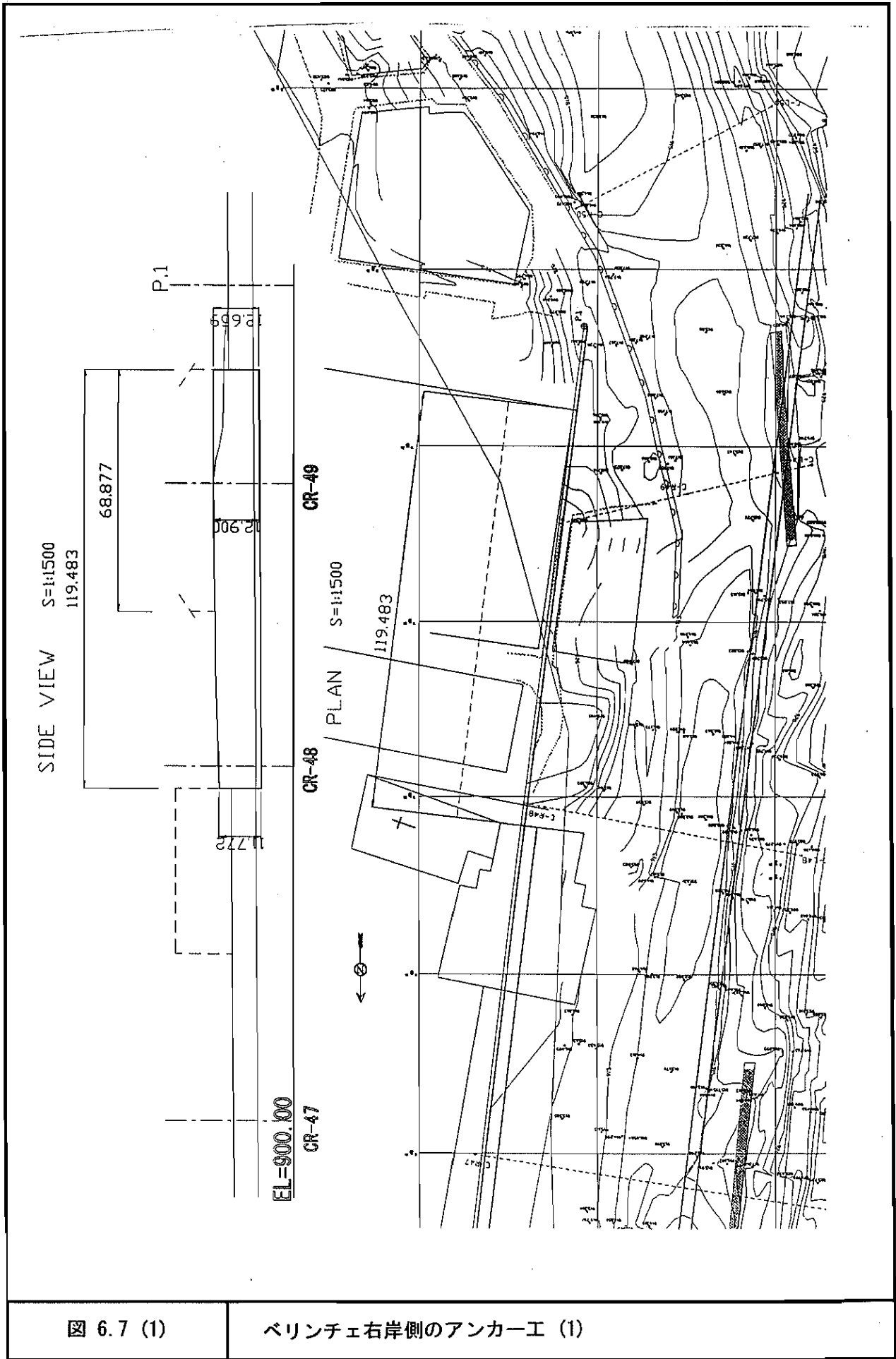


図 6.7 (1)

ベリンチェ右岸側のアンカー工 (1)

SIDE VIEW S=1:1000
119.483

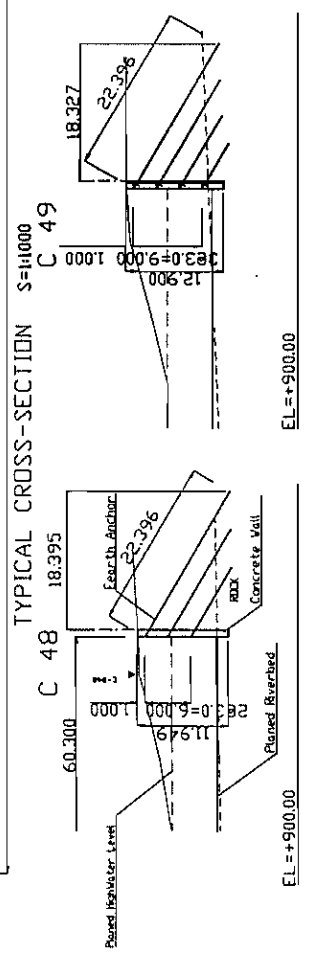
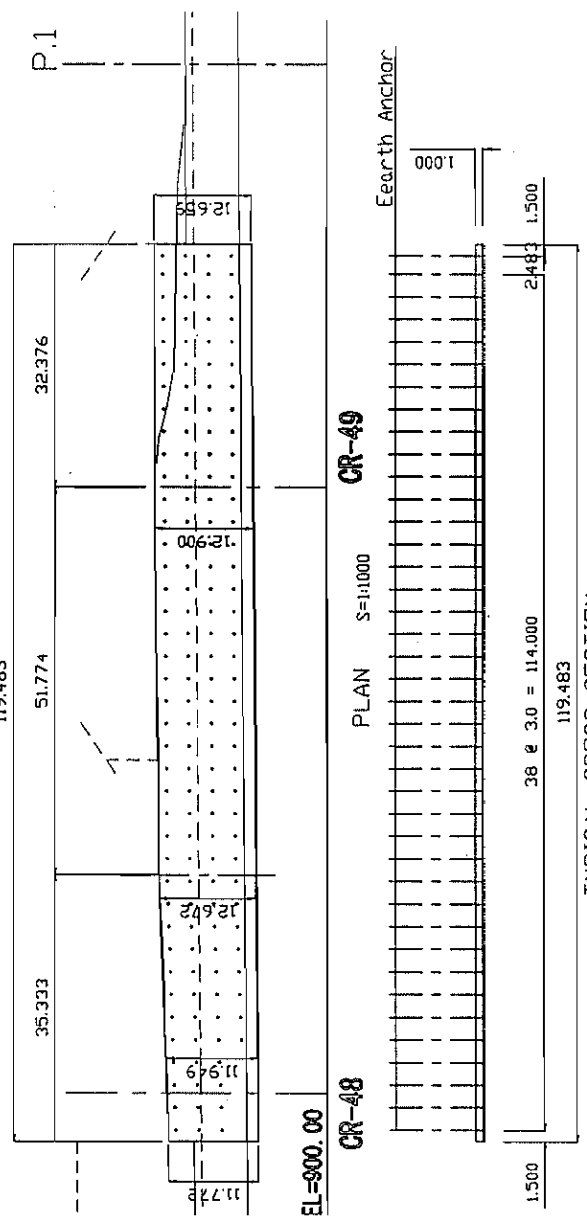


図 6.7 (2)

ベリンチェ右岸側のアンカー工 (2)

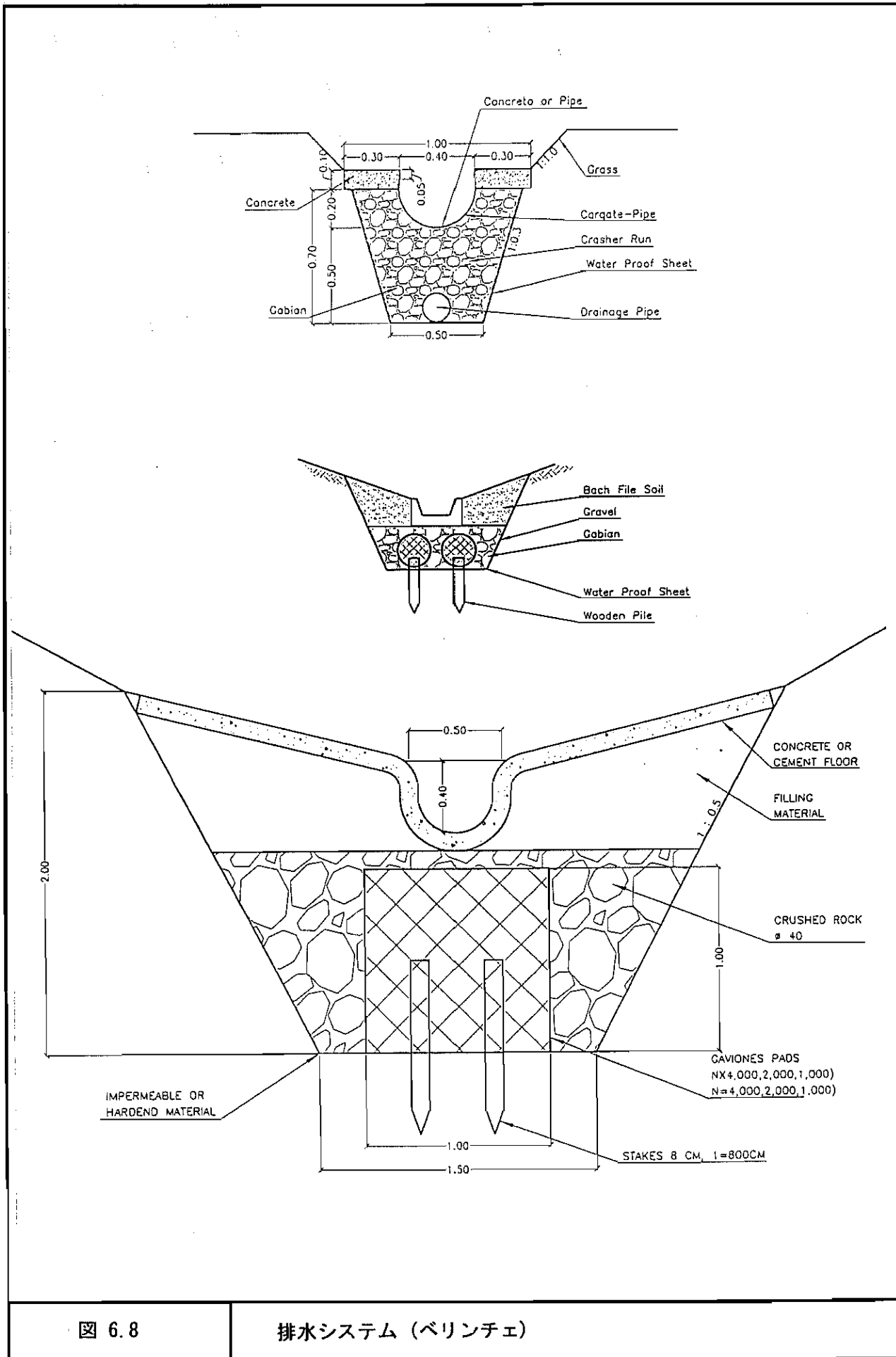


図 6.8

排水システム (ベリンチェ)

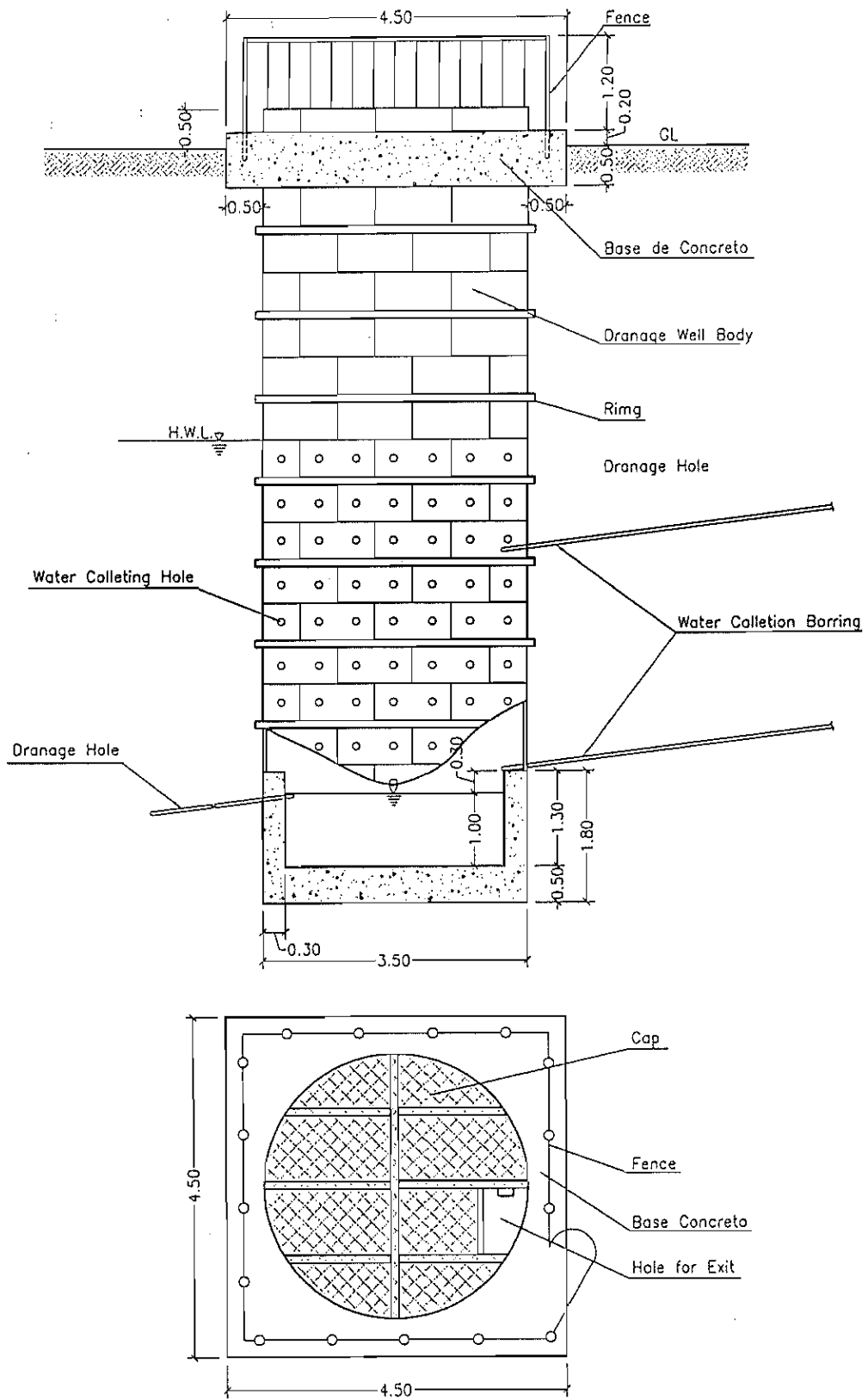
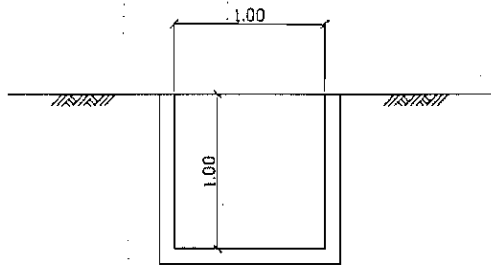
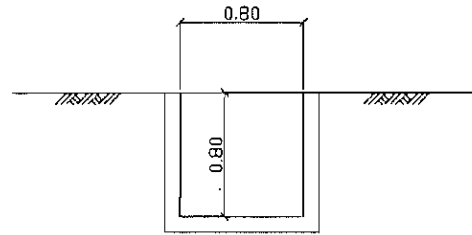


图 6.9

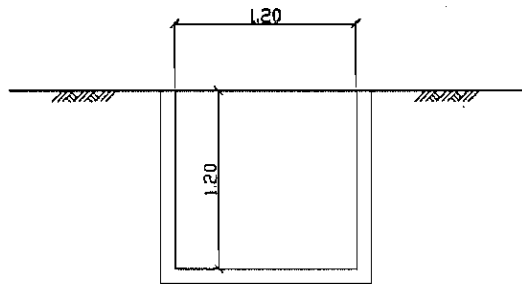
集水井



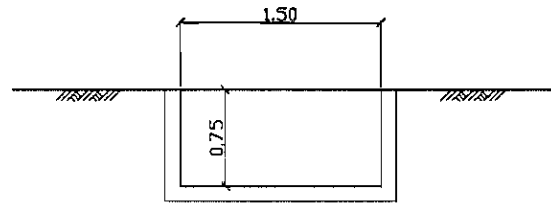
A,C channel



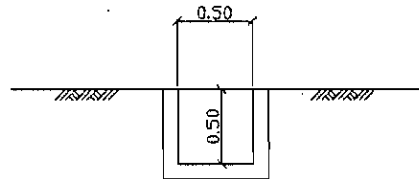
B channel



D1 channel



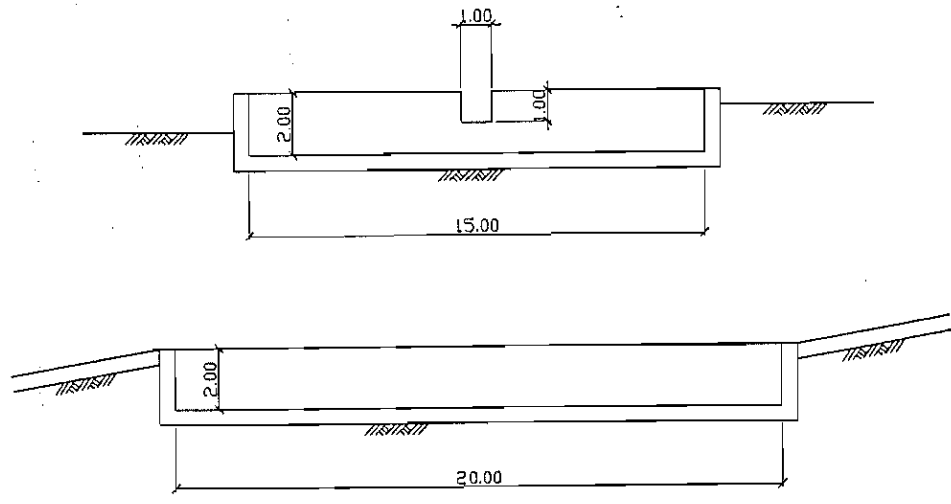
D2 channel



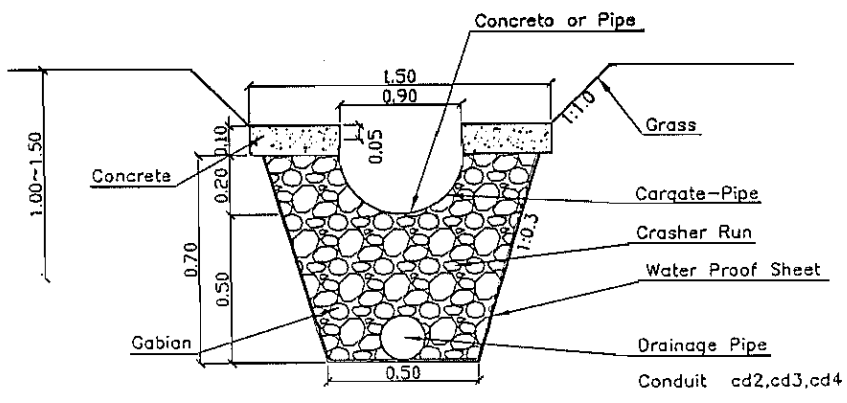
D3 channel

図 6.10

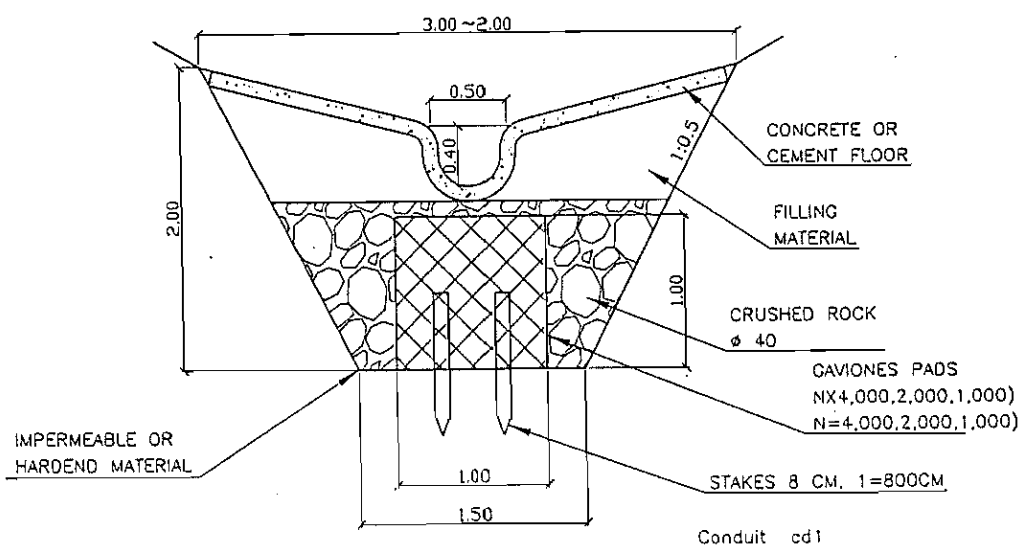
開水路 (レパルト)



Reservoir (w1,w2,w3)

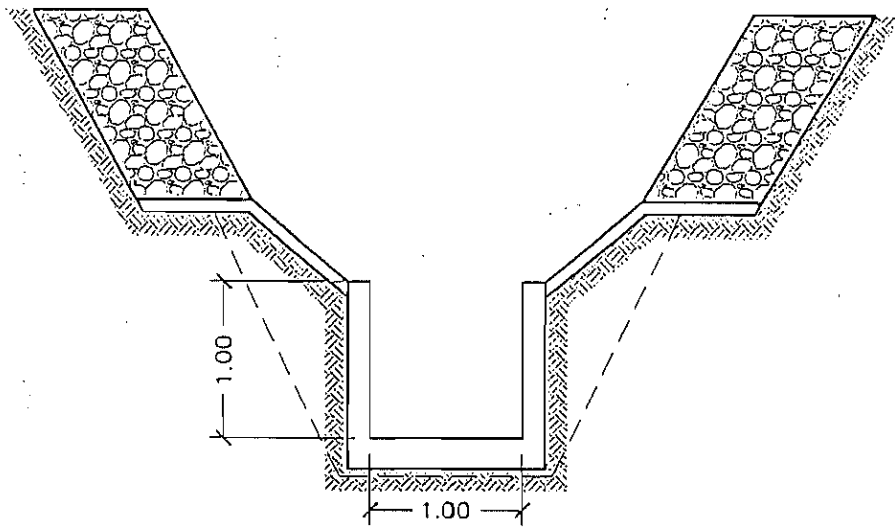


Conduit cd2,cd3,cd4

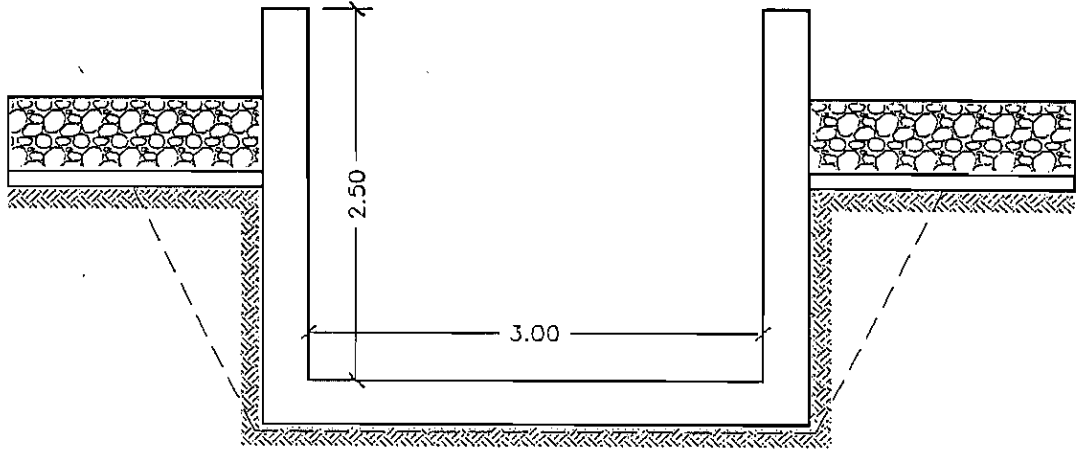


Conduit cd1

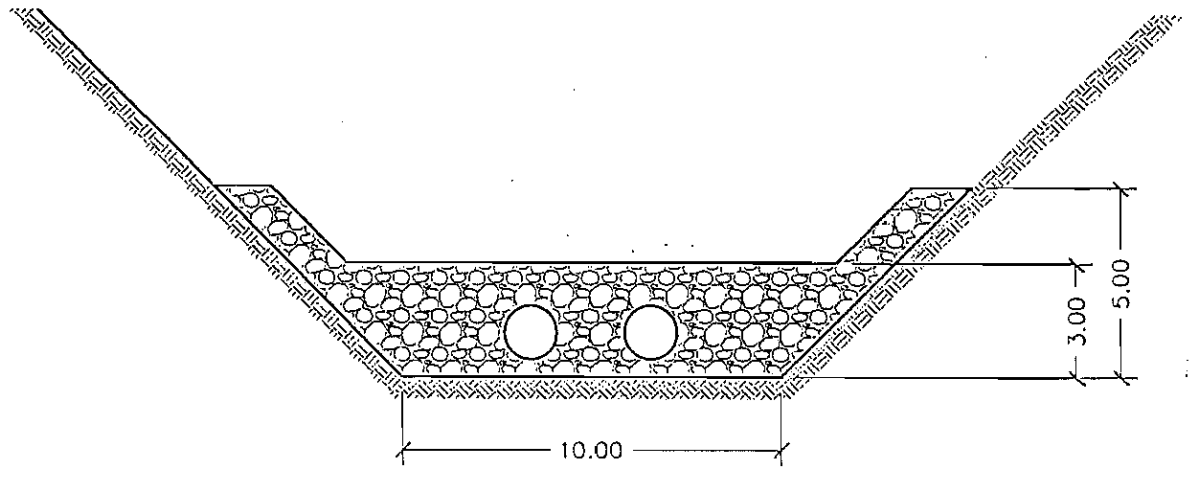
図 6.11 排水システム (レパルト)



CHANNEL



RESERVOIR



END CHANNEL GABION

図 6.12 排水システム (バンブー)