

Figura 2.36

Clasificación Geológica de Derrumbamiento de Talud

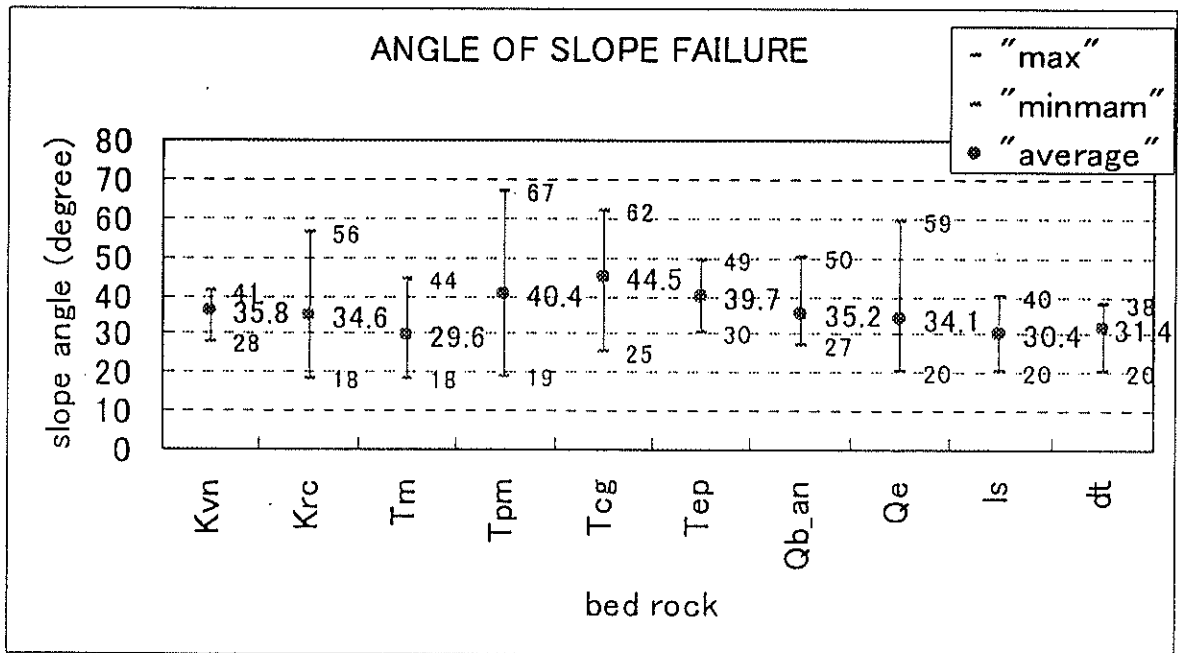


Figura 2.37

Inclinación de Pendiente según la Clasificación Geológica

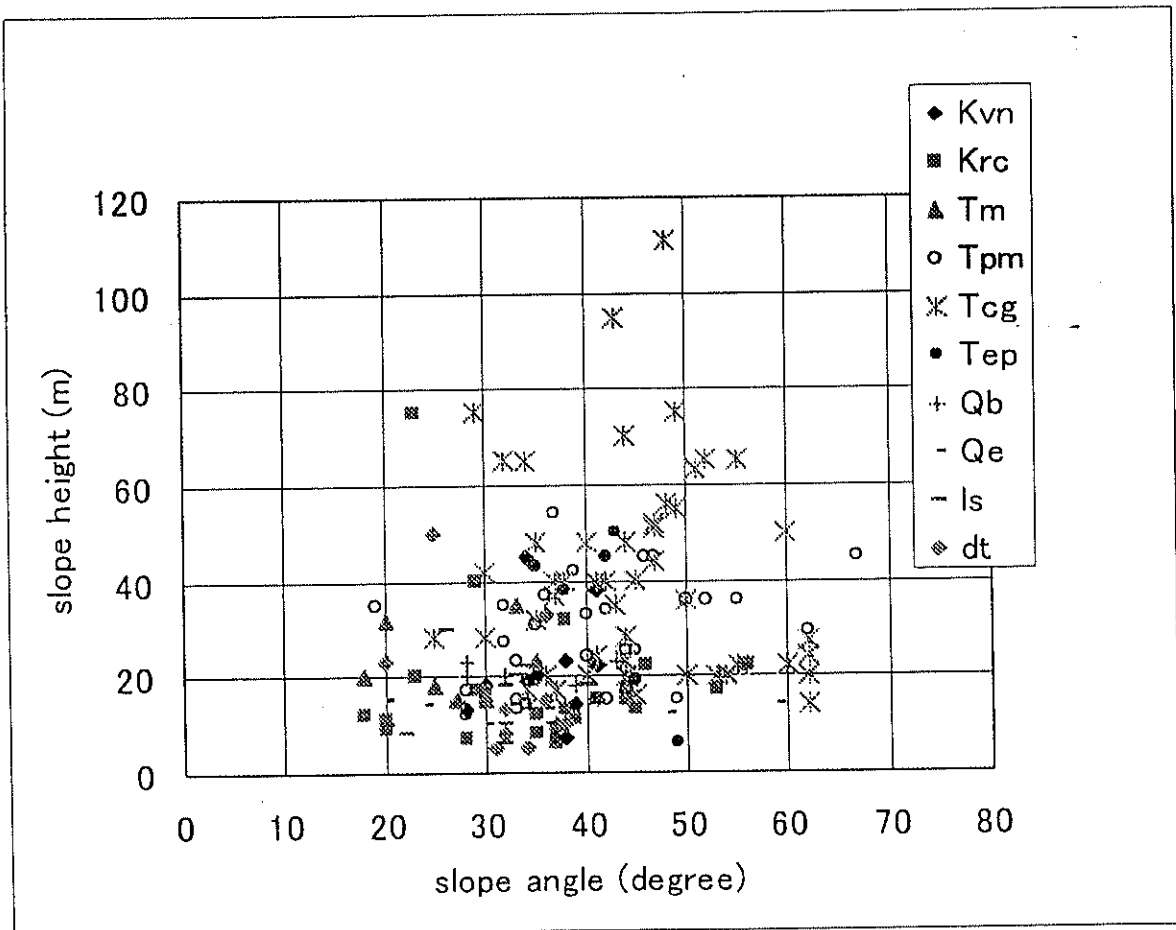
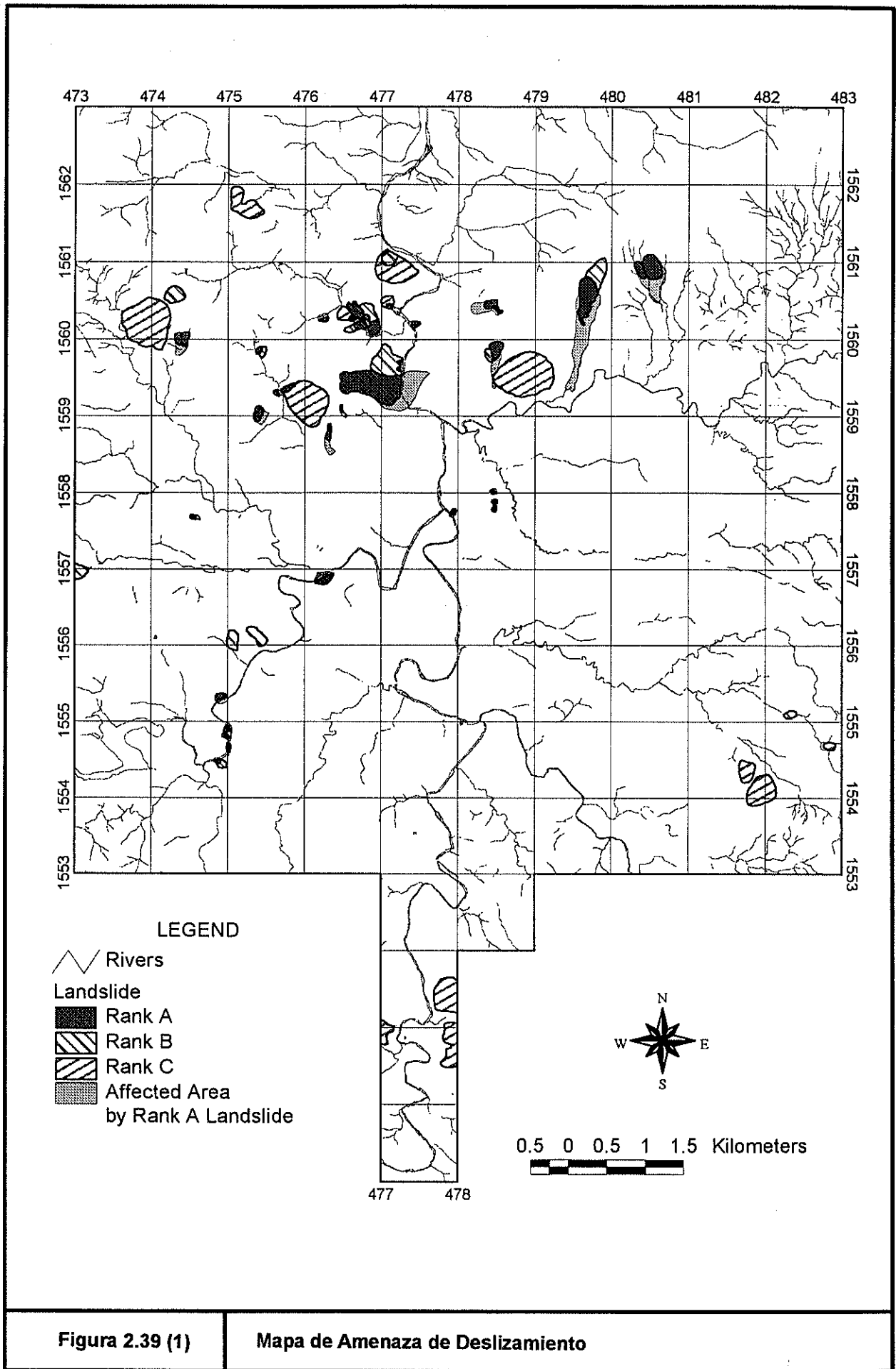


Figura 2.38

Relació entre Inclinació y Altura según la Clasificación Geológica



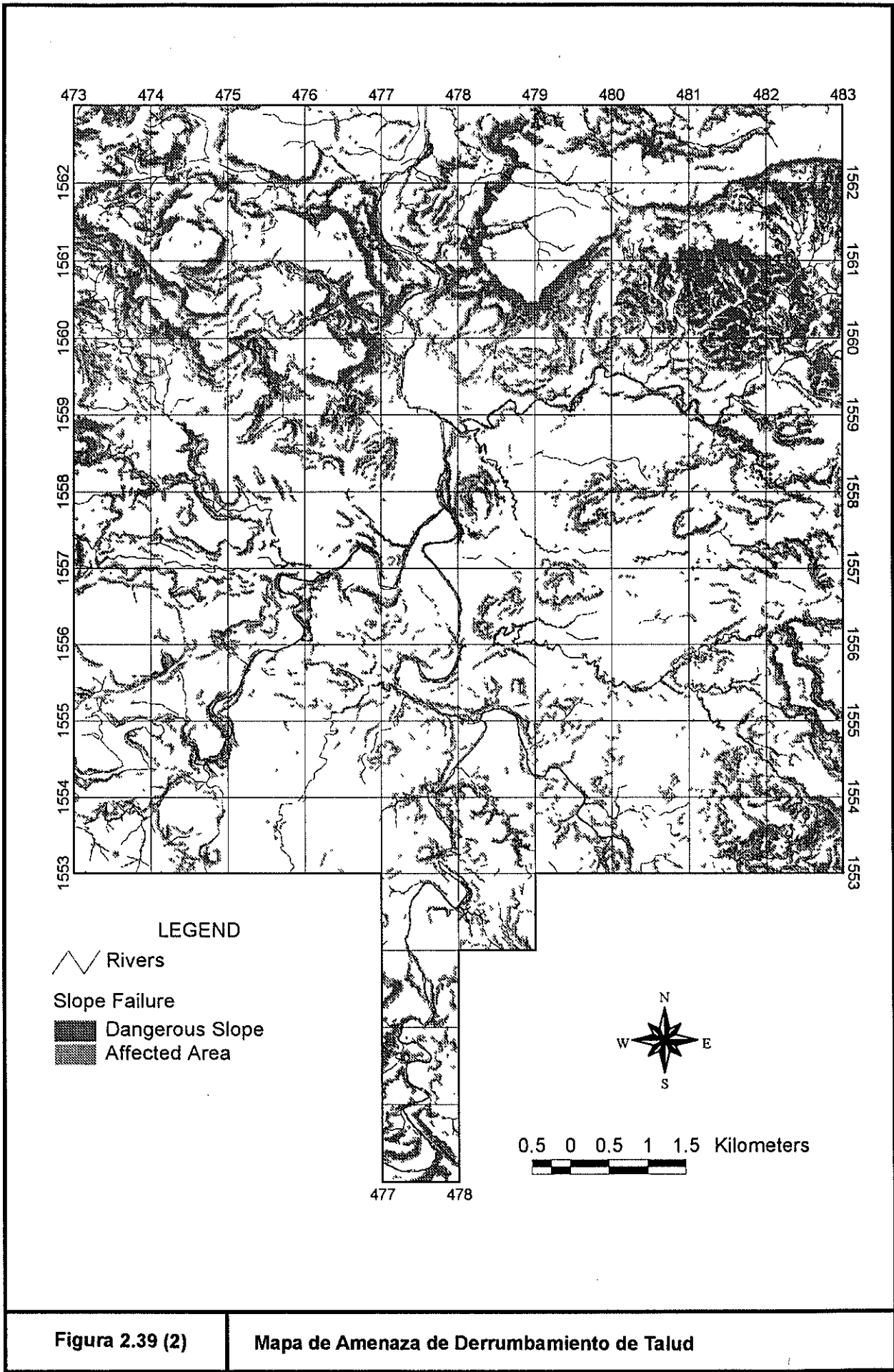


Figura 2.39 (2)

Mapa de Amenaza de Derrumbamiento de Talud

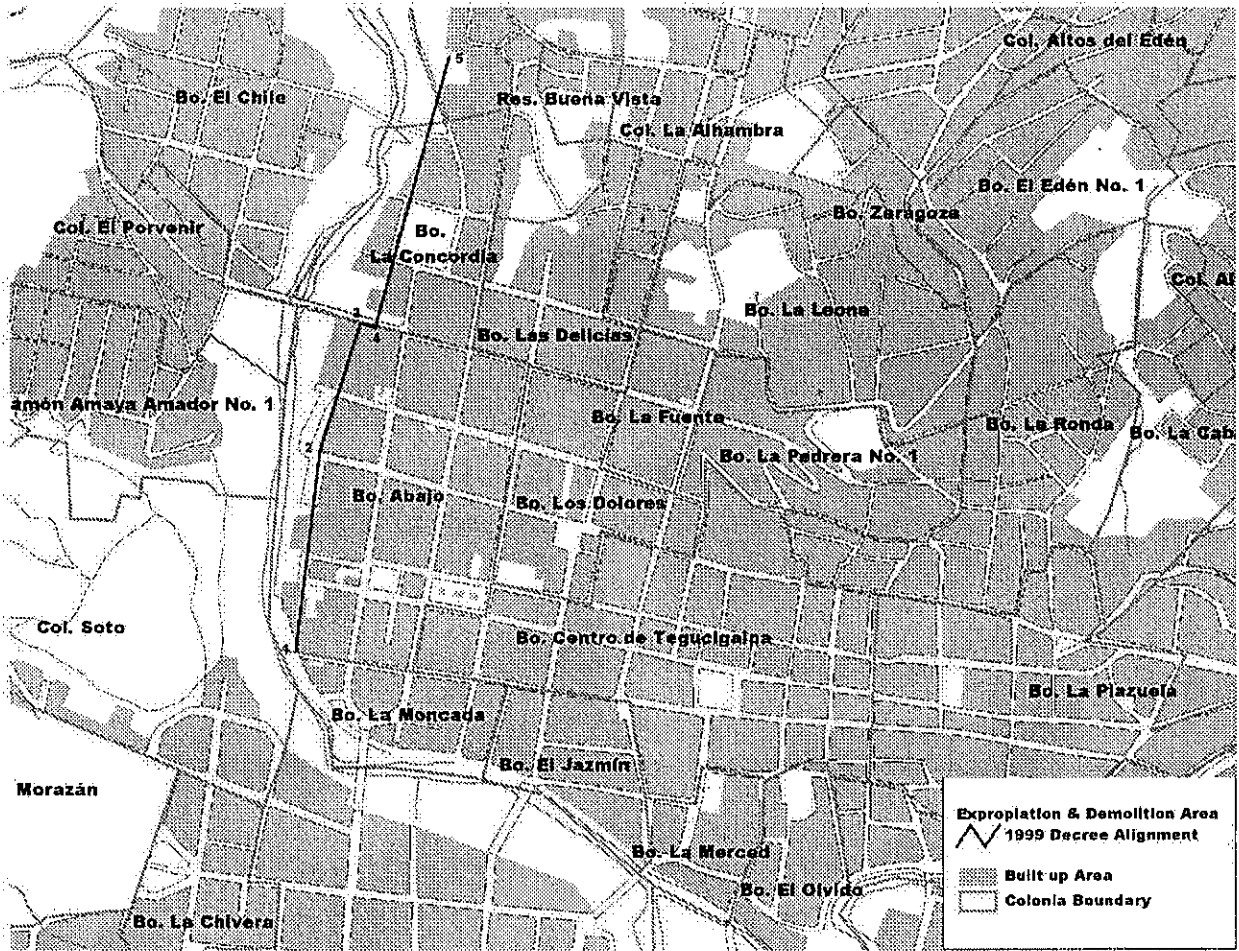


Figura 2.40

Mapa de Expropiación de Propiedades por la Ley Especial, 1999

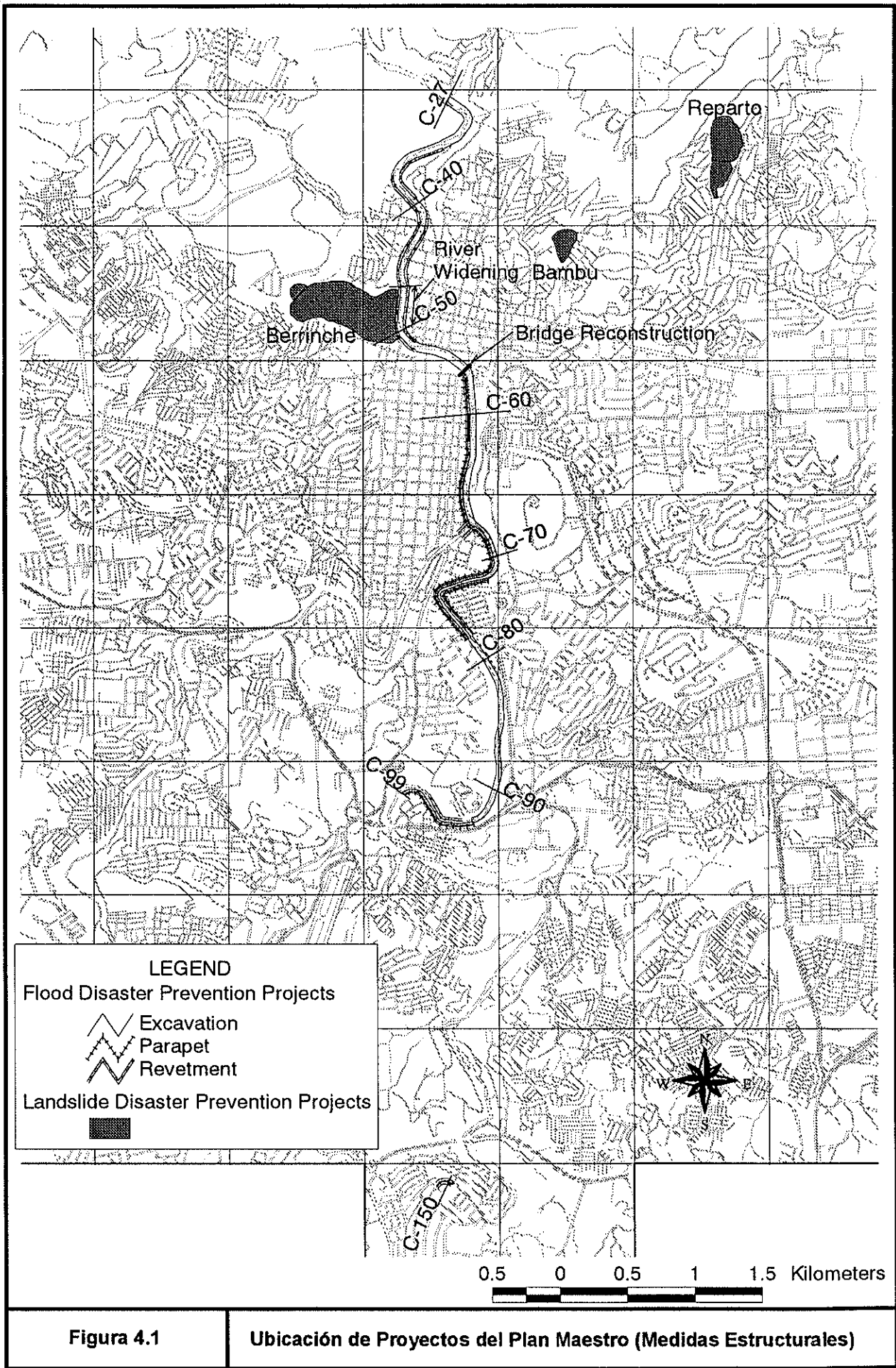
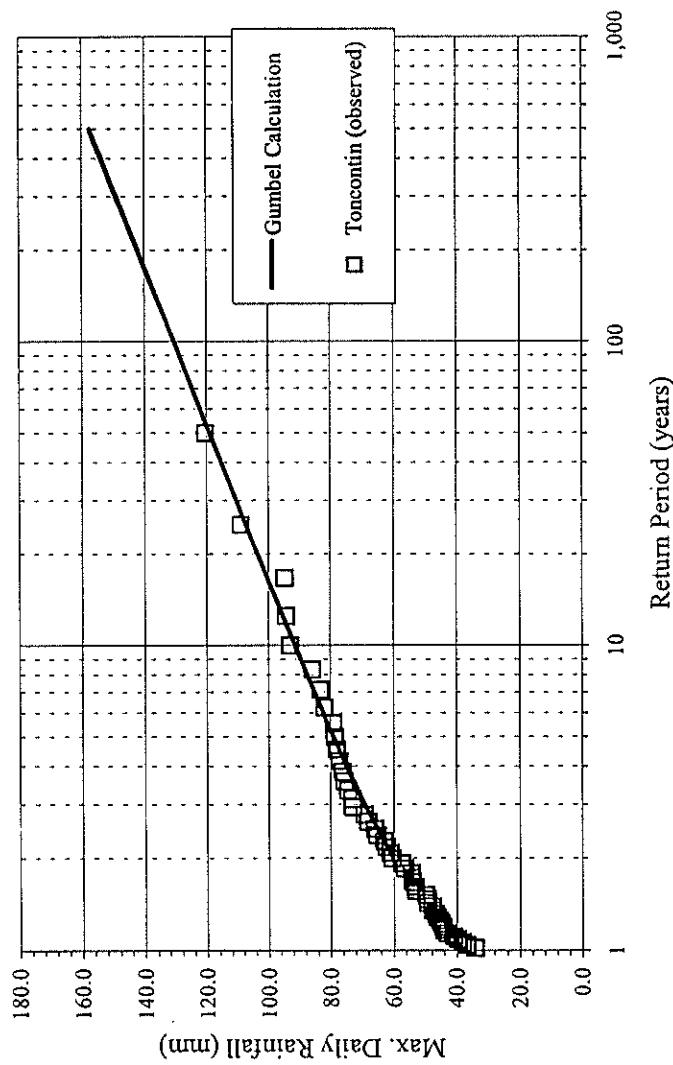


Figura 4.1

Ubicación de Proyectos del Plan Maestro (Medidas Estructurales)

**Maximum 1-Day Rainfall and Return Period at Toncontin Station  
(Data from 1951 to 1999)**



Return Period (Yr)	Daily Rainfall (mm)
500	157.5
400	153.7
300	149.0
250	145.9
200	142.2
150	137.4
100	130.6
80	126.9
60	122.1
50	119.0
40	115.2
30	110.4
25	107.3
20	103.5
15	98.6
10	91.5
9	89.7
8	87.6
7	85.2
6	82.4
5	79.0
4	74.8
3	69.1
2	60.2

**Figura 4.2**

**Precipitación Máxima de 1-Día y Periodo de Retorno en la Estación Toncontin**



### Rainfall and Simulated Hydrograph during the Hurricane Mitch

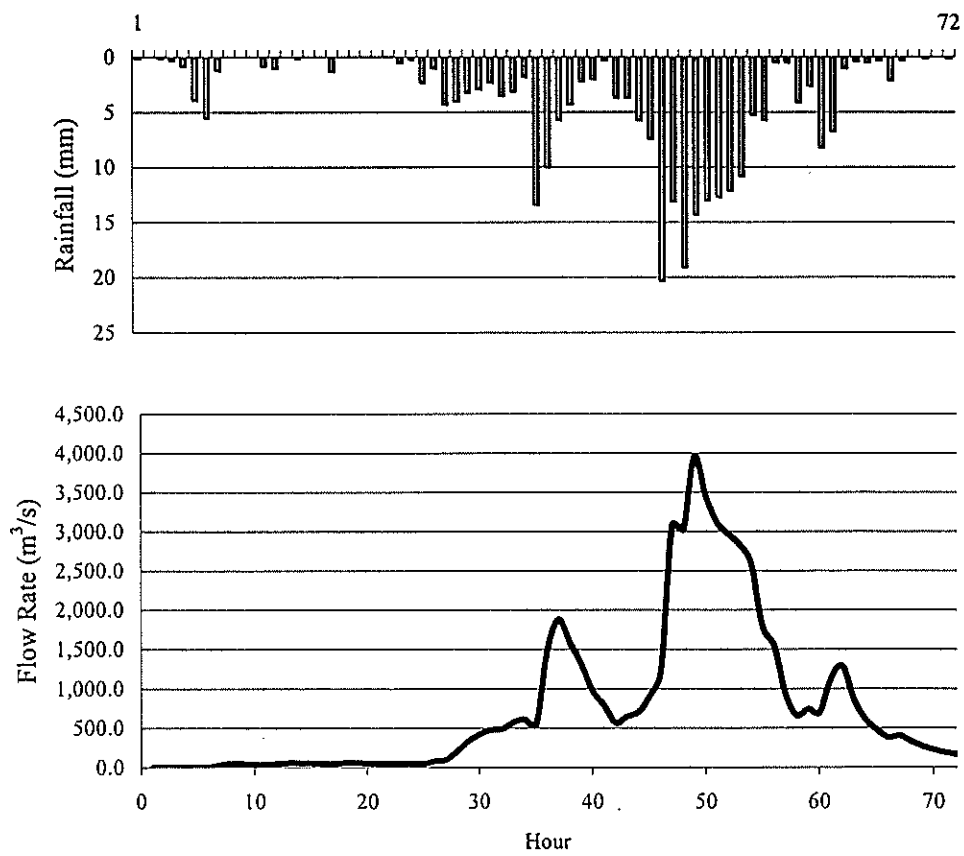
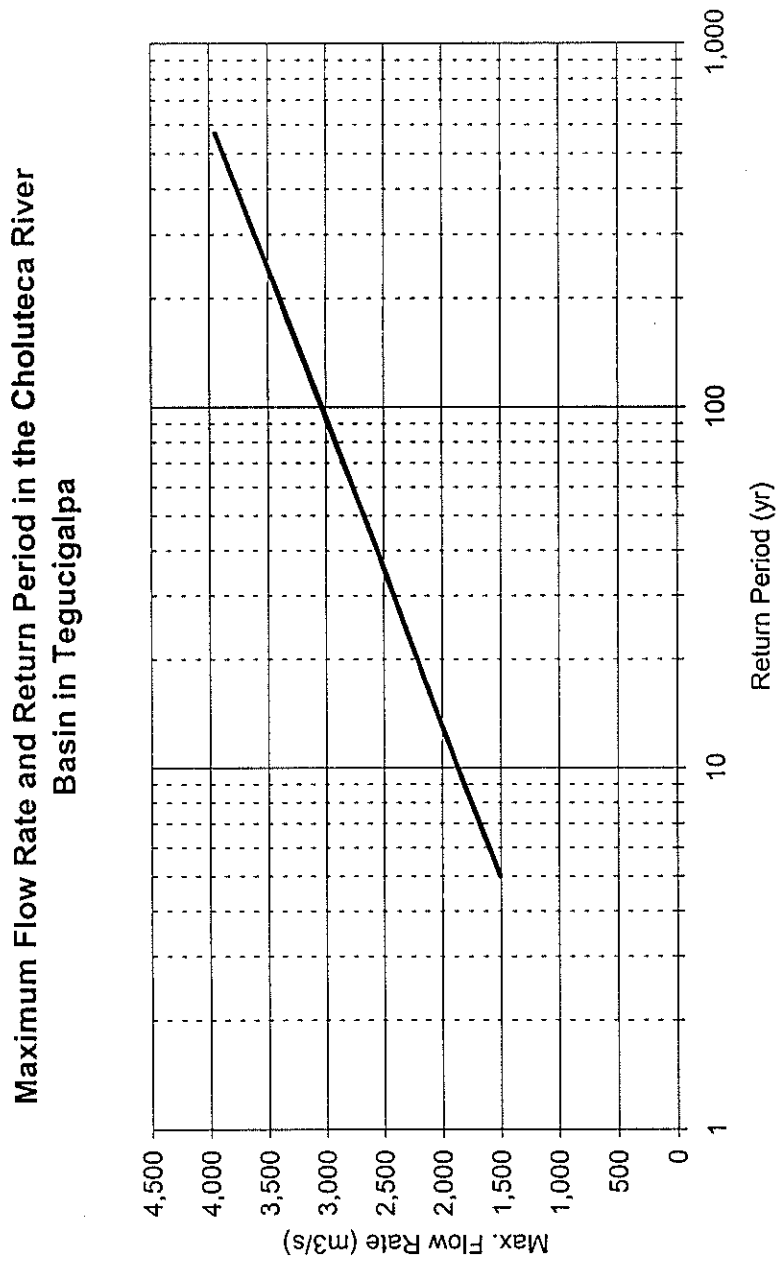


Figura 4.3

Precipitación e Hidrografía Simulada durante el Huracán Mitch



**Figura 4.4**

**Caudal Máximo y Periodo de Retorno en la Cuenca del Río Choluteca en Tegucigalpa**

Total Drainage Basin Area = 819.7 km<sup>2</sup>

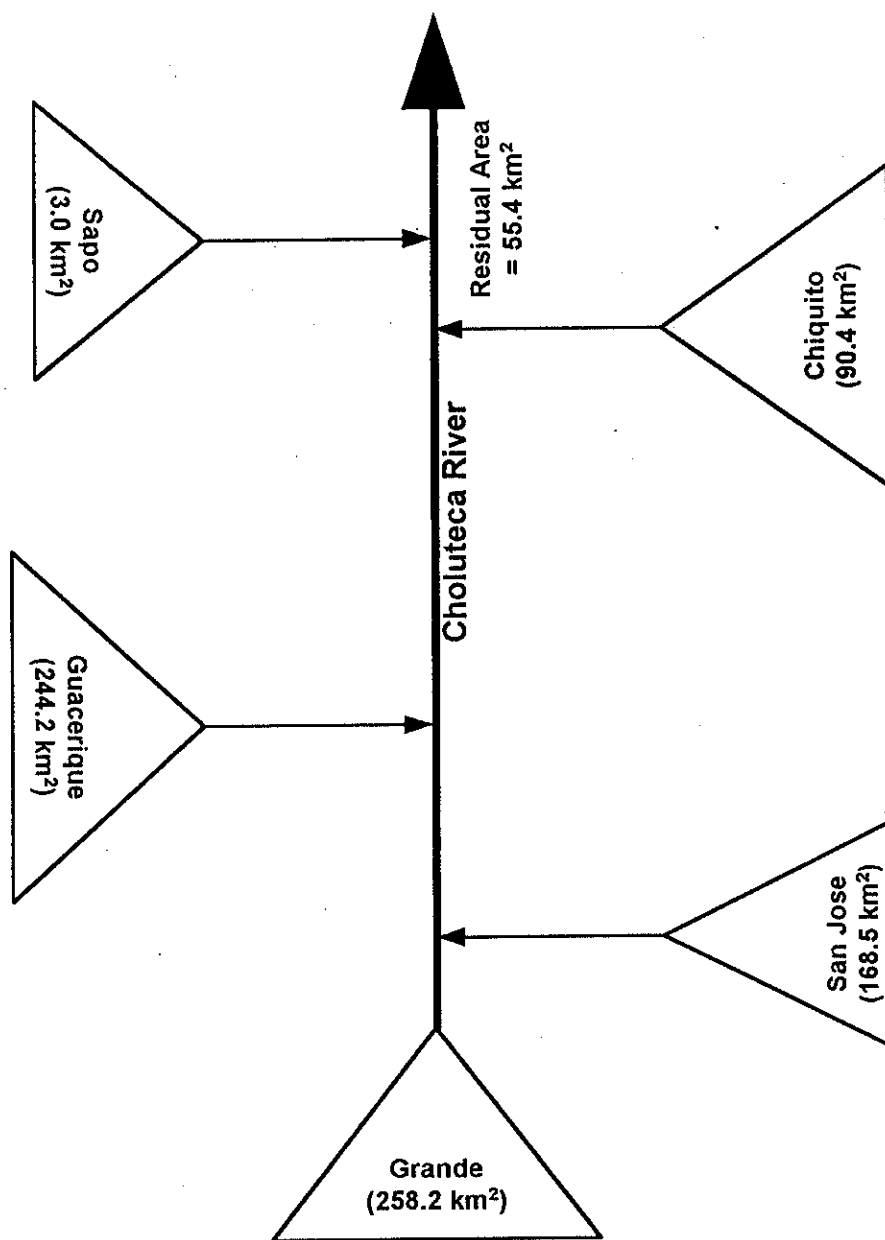


Figura 4.5

Modelo de Río

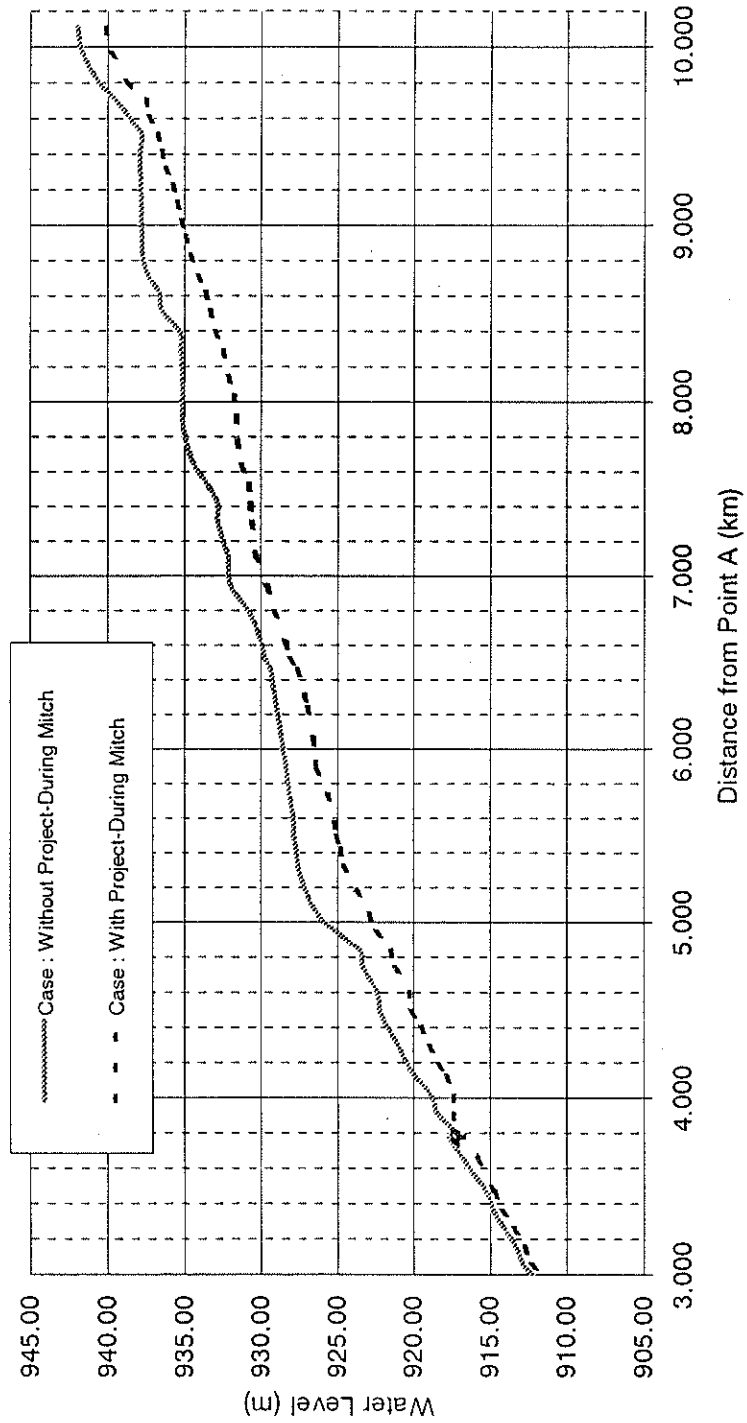
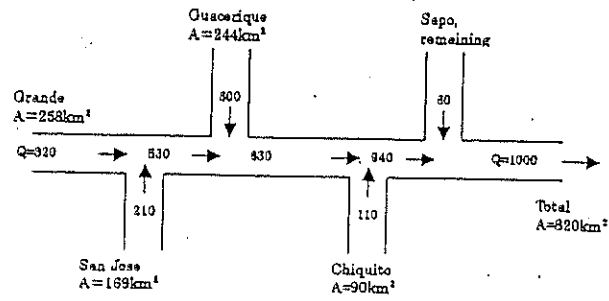


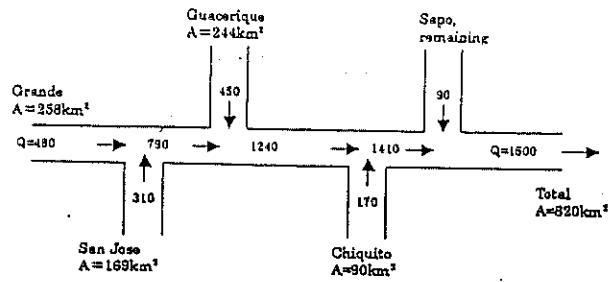
Figura 4.6

Nivel de Agua en el Río Choluteca durante el Huracán Mitch

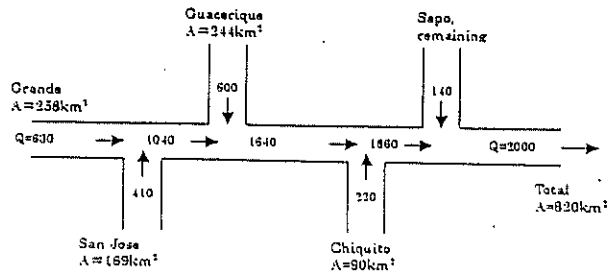
(1,000 m<sup>3</sup>/sec flood) (Unit : m<sup>3</sup>/sec)



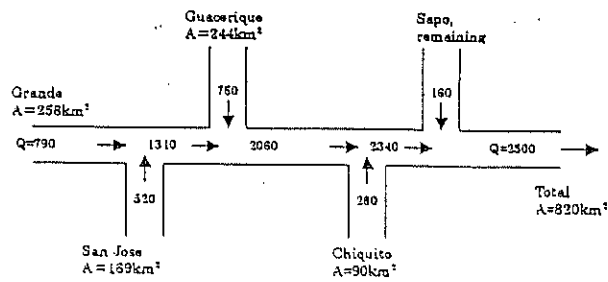
(1,500 m<sup>3</sup>/sec flood)



(2,000 m<sup>3</sup>/sec flood)



(2,500 m<sup>3</sup>/sec flood)



(3,000 m<sup>3</sup>/sec flood)

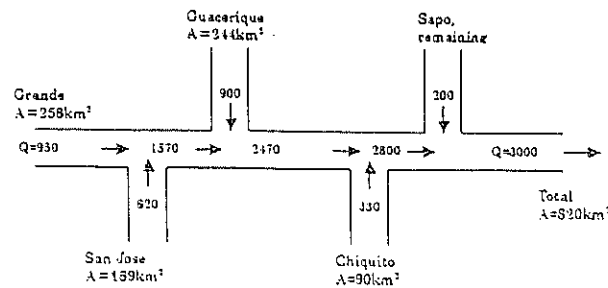


Figura 4.7

Distribución de Inundación de Diseño

Choluteca River Profile

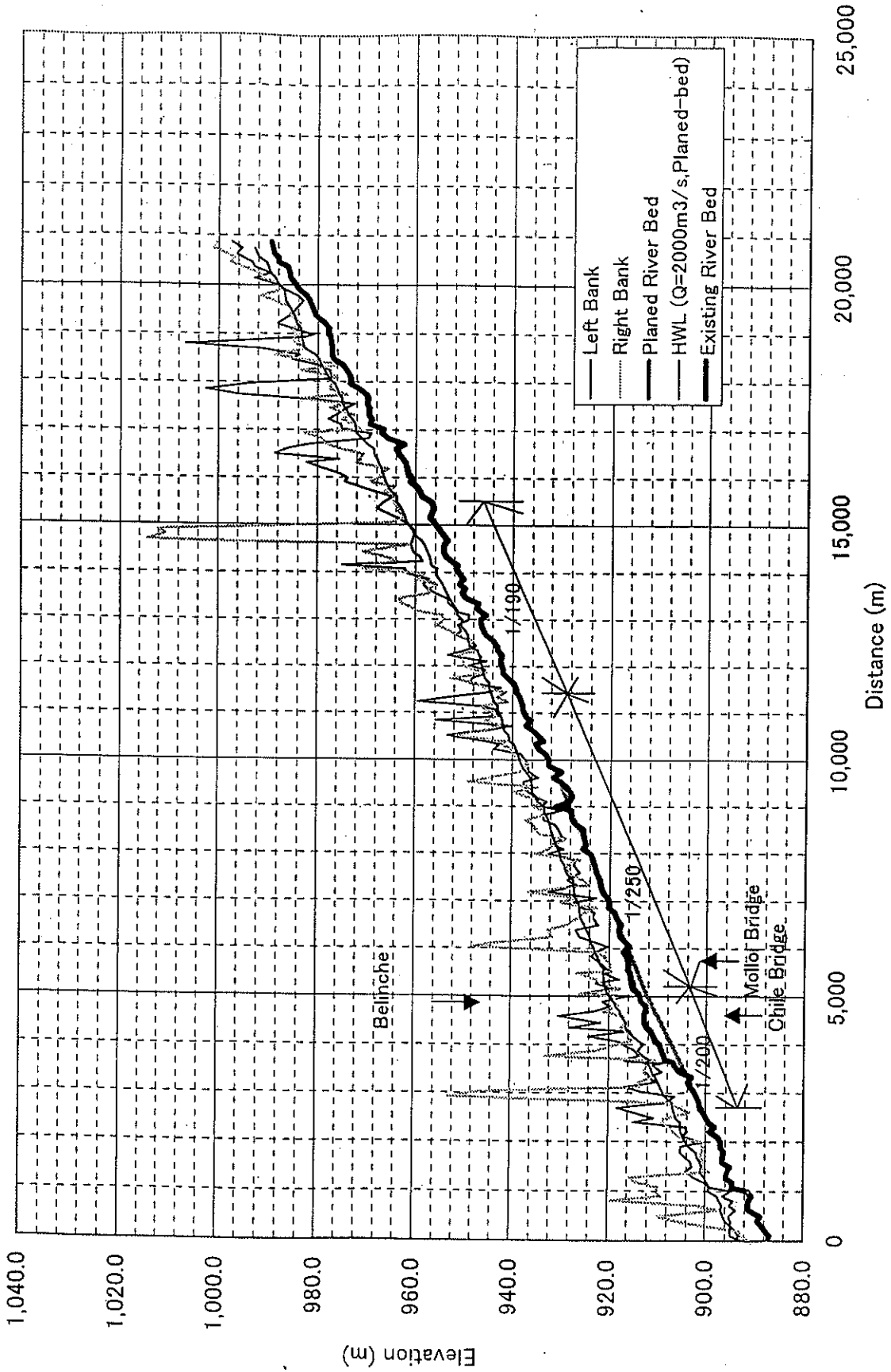


Figura 4.8

Perfil del Río Planeado

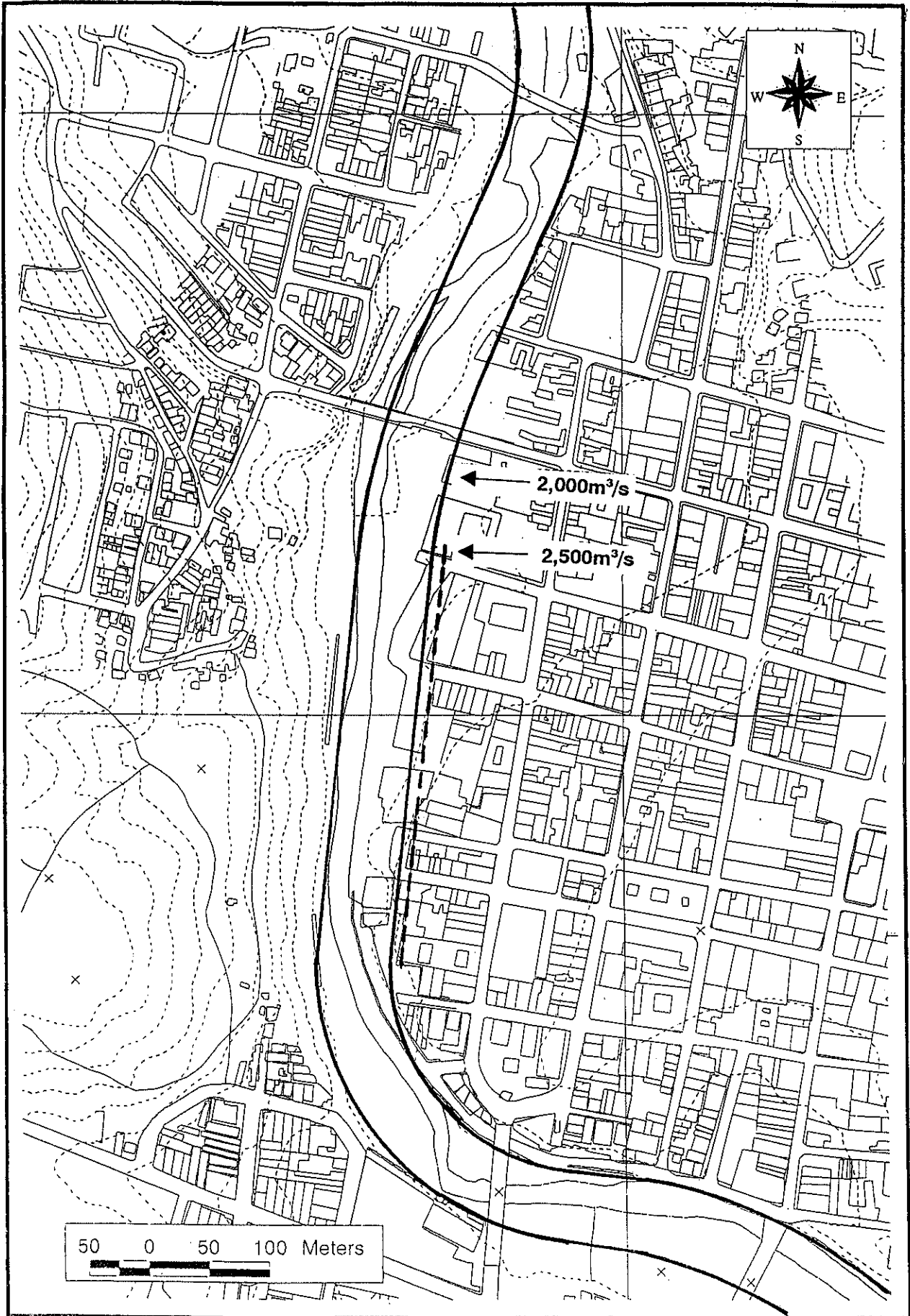


Figura 4.9 (1)

Alineación del Río Choloteca Planeada en Berrinche

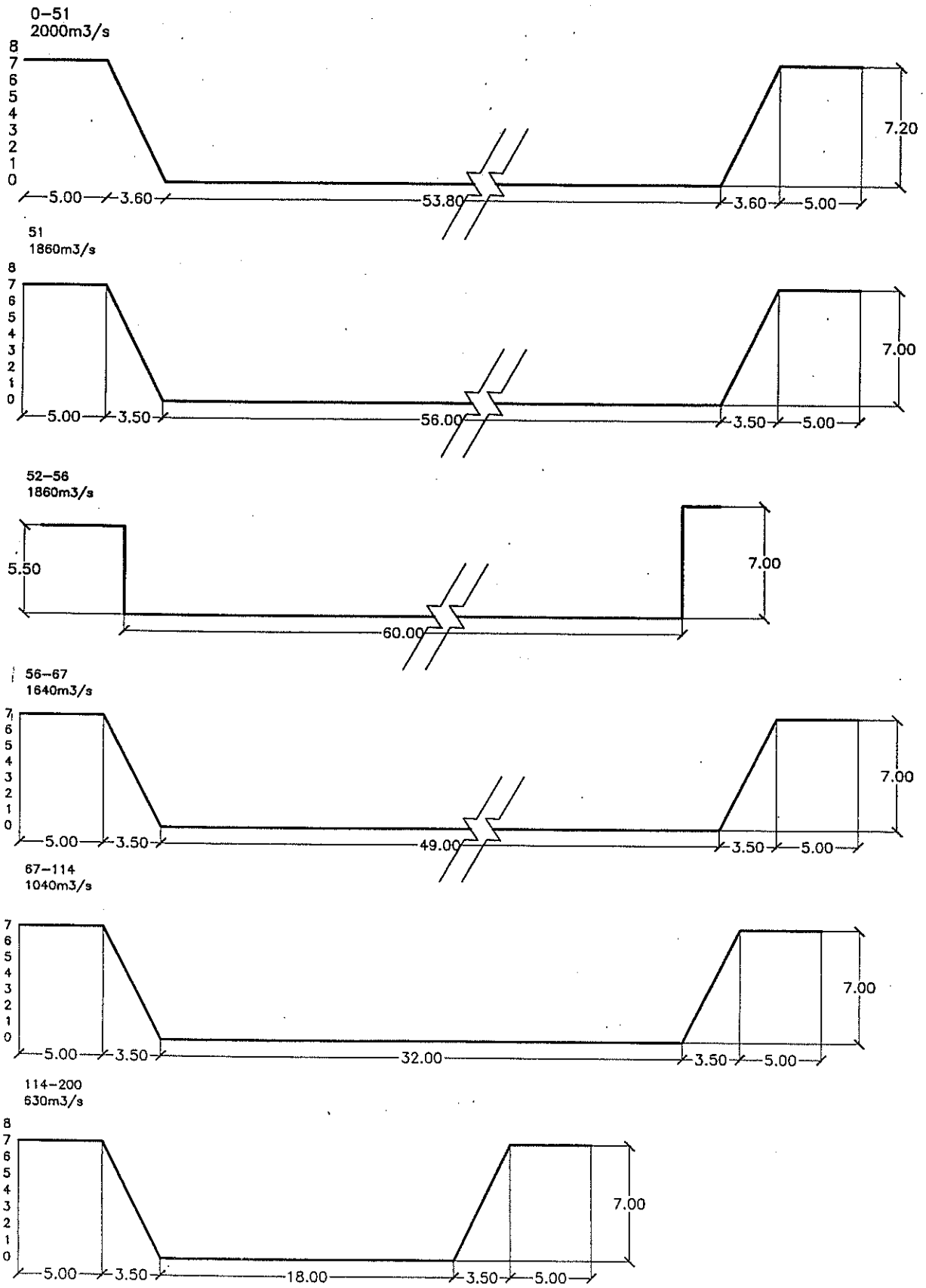


Figura 4.9 (2)

Sección Transversal de Diseño



SHAFT WORKS & COUNTER WEIGHT FILL

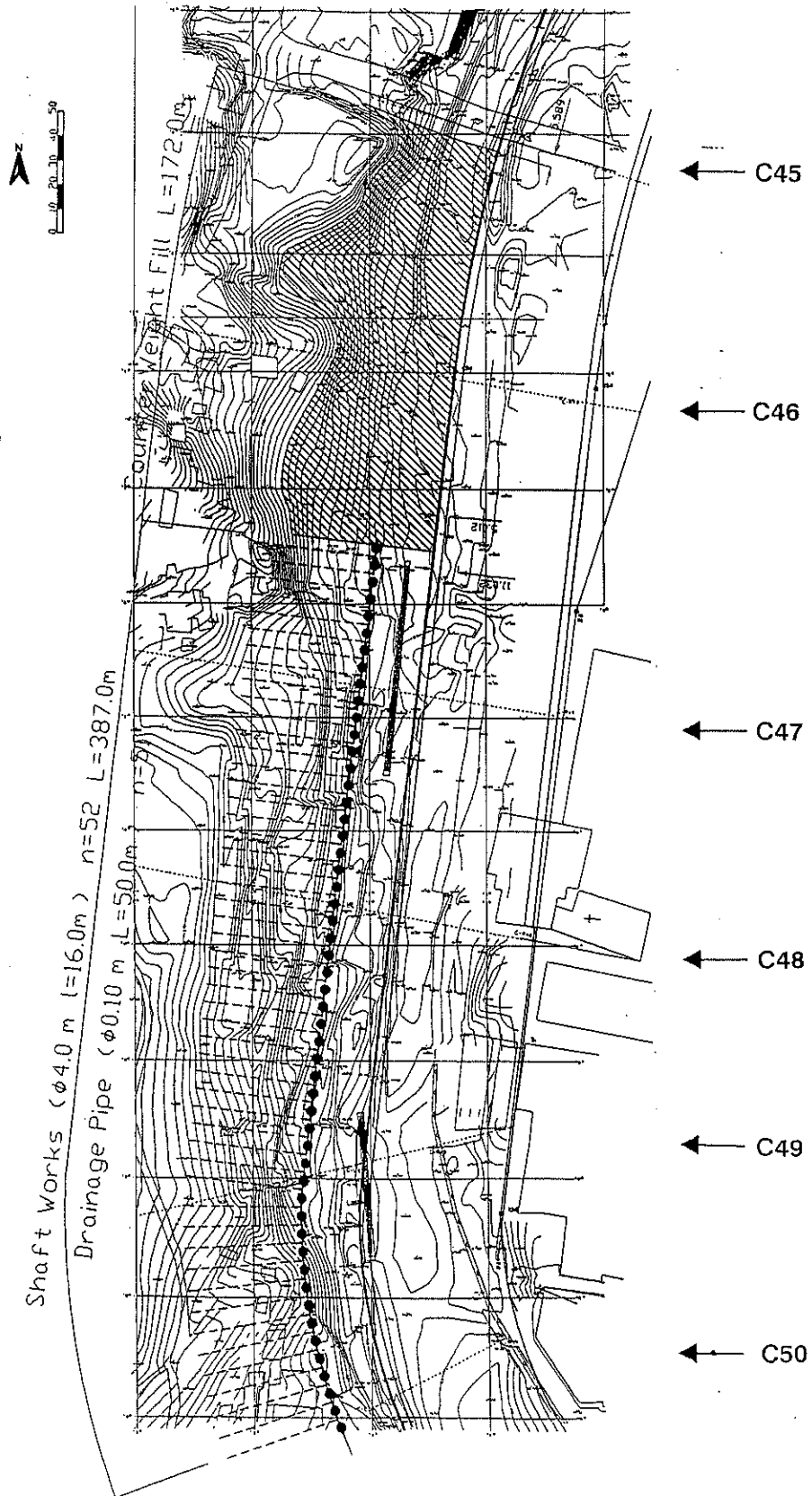
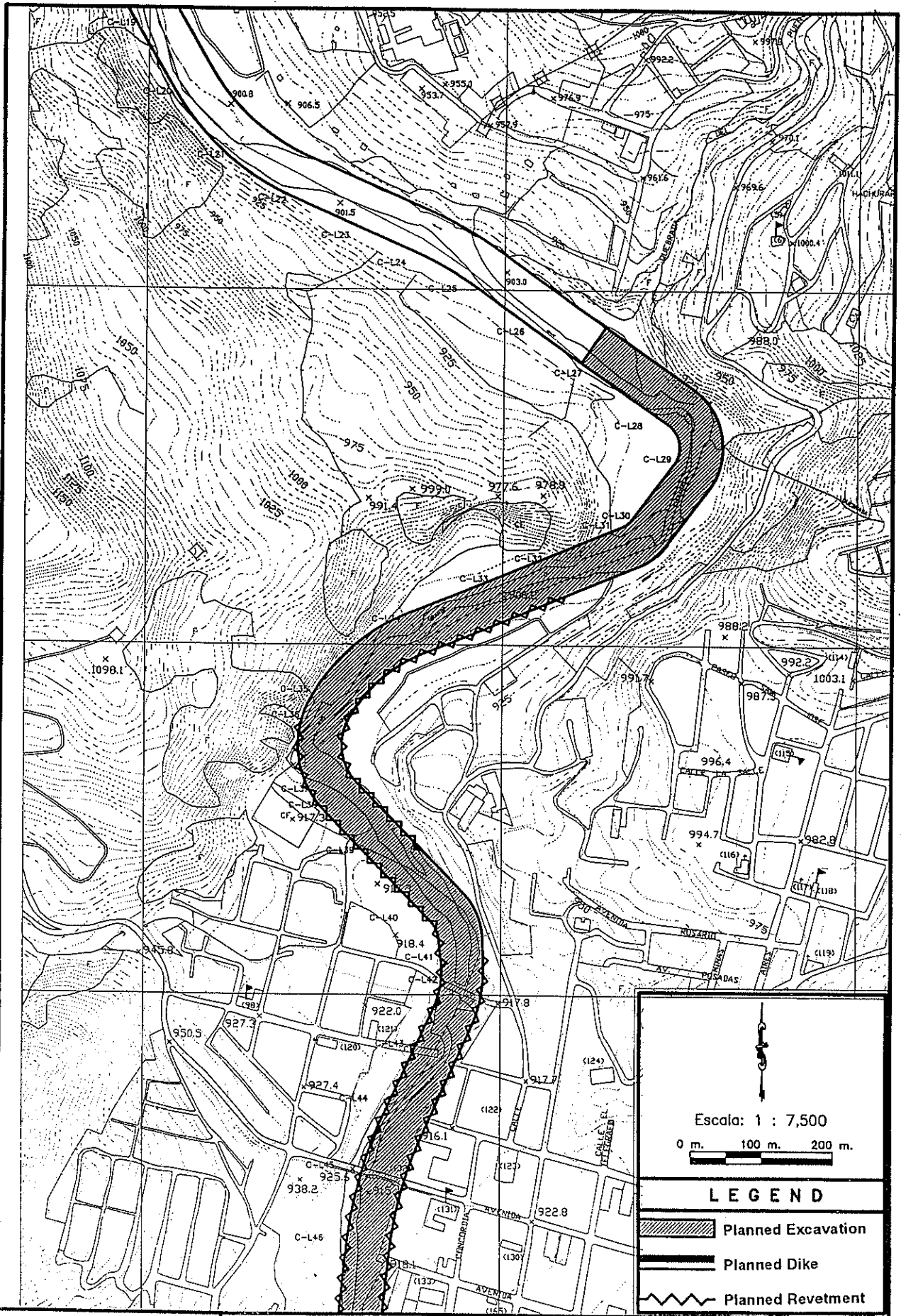


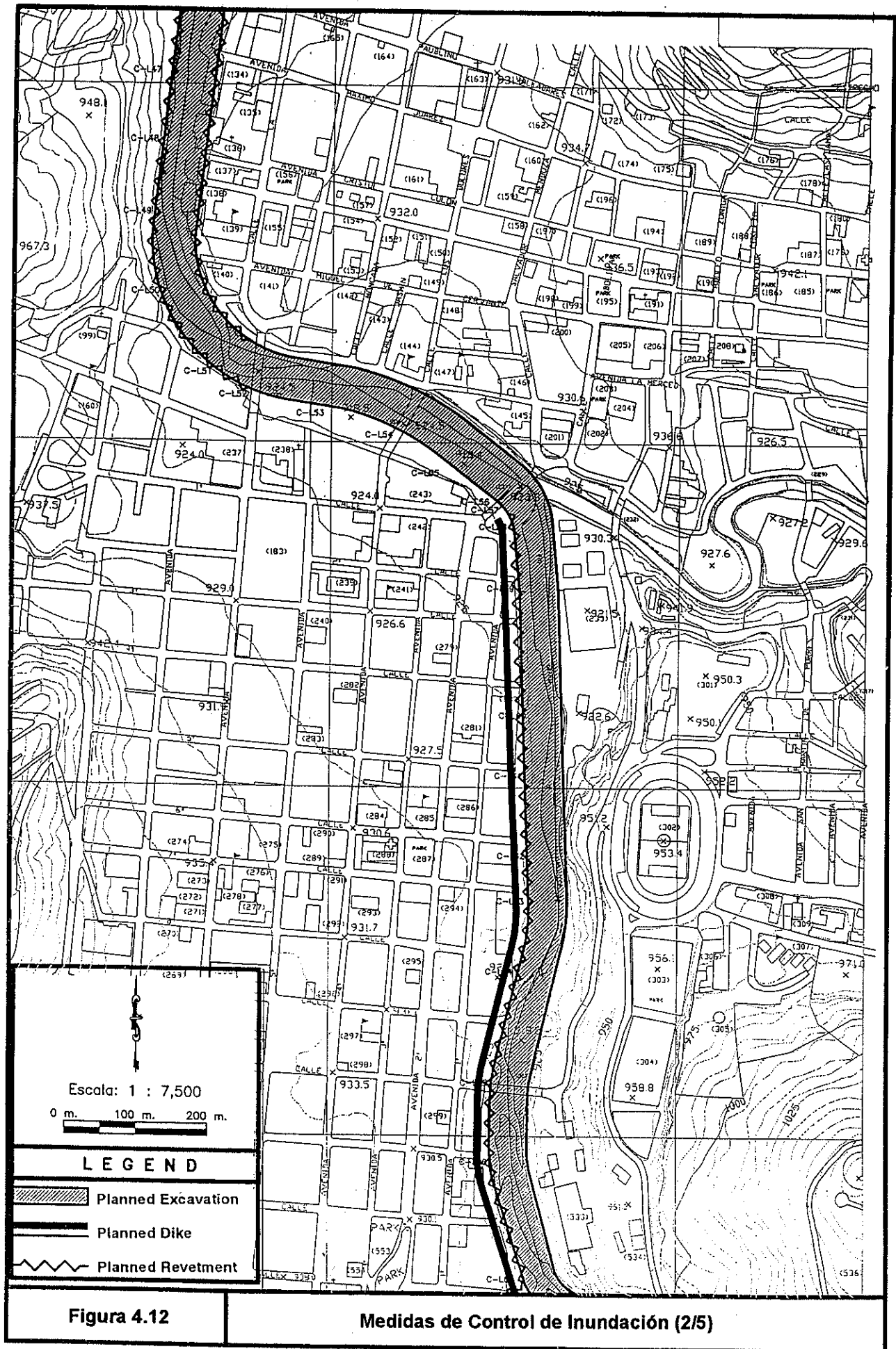
Figura 4.10

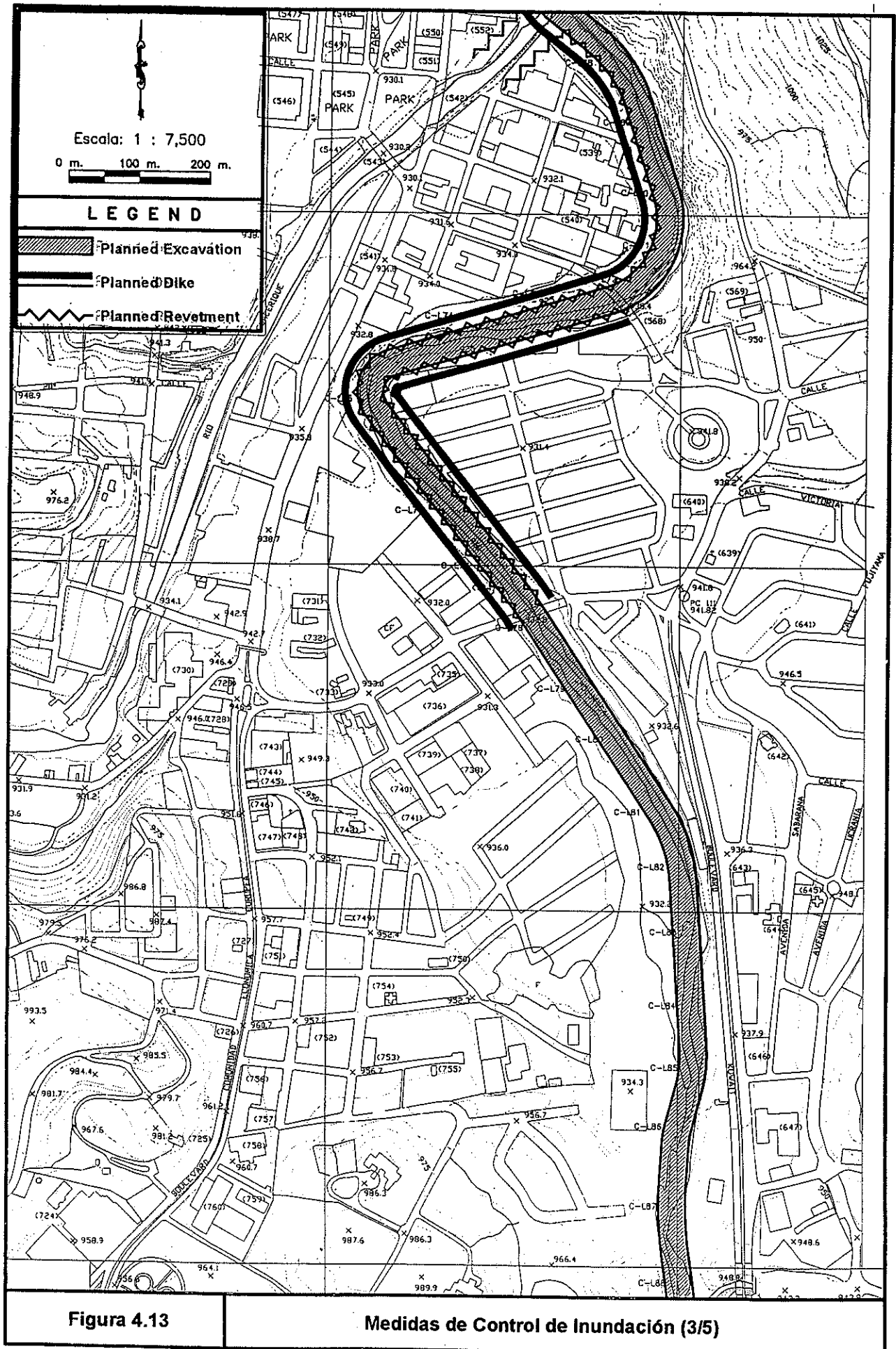
Estructuras Planeadas en el Deslizamiento de Berrinche



**Figura 4.11**

**Medidas de Control de Inundación (1/5)**





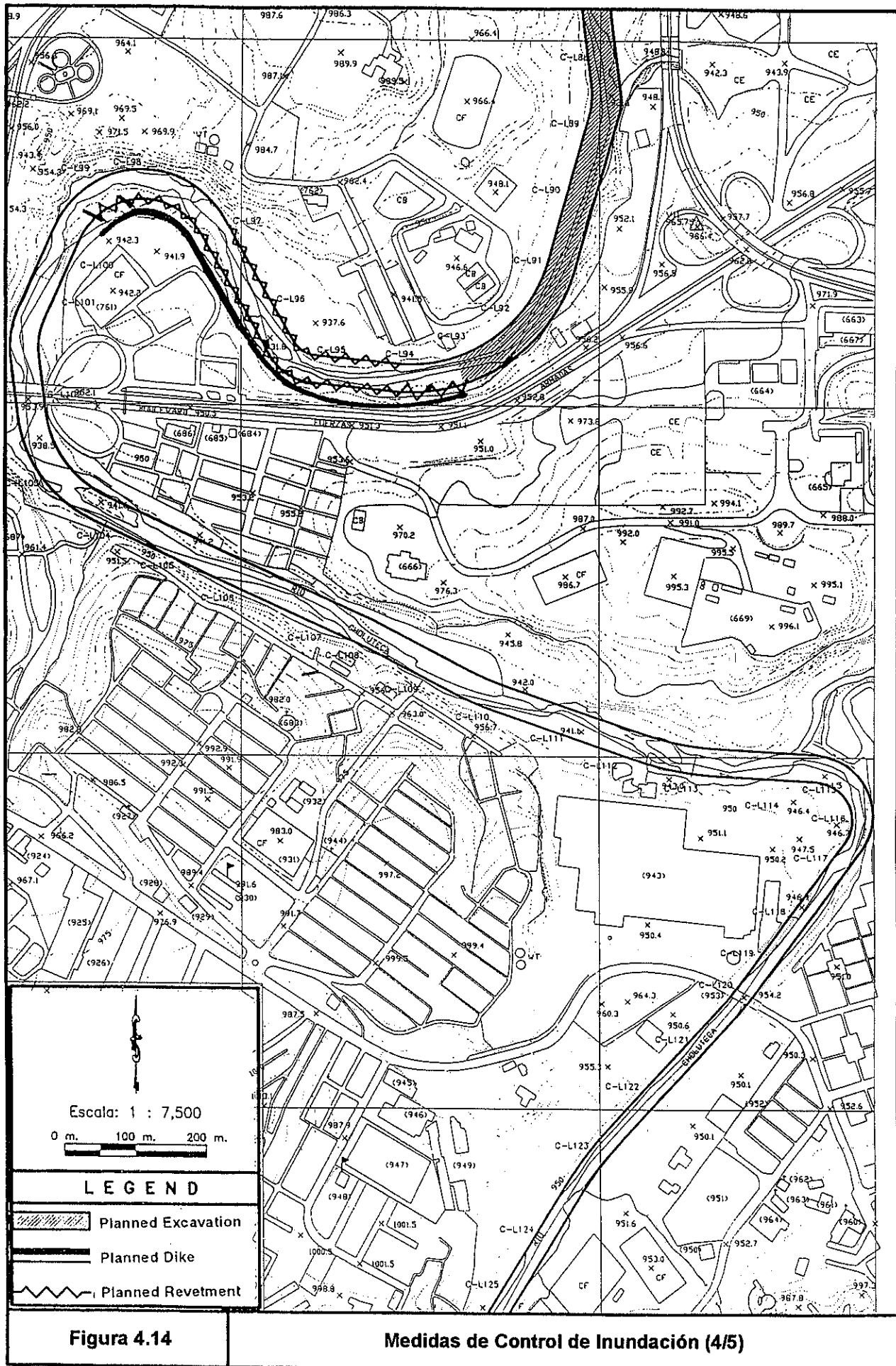
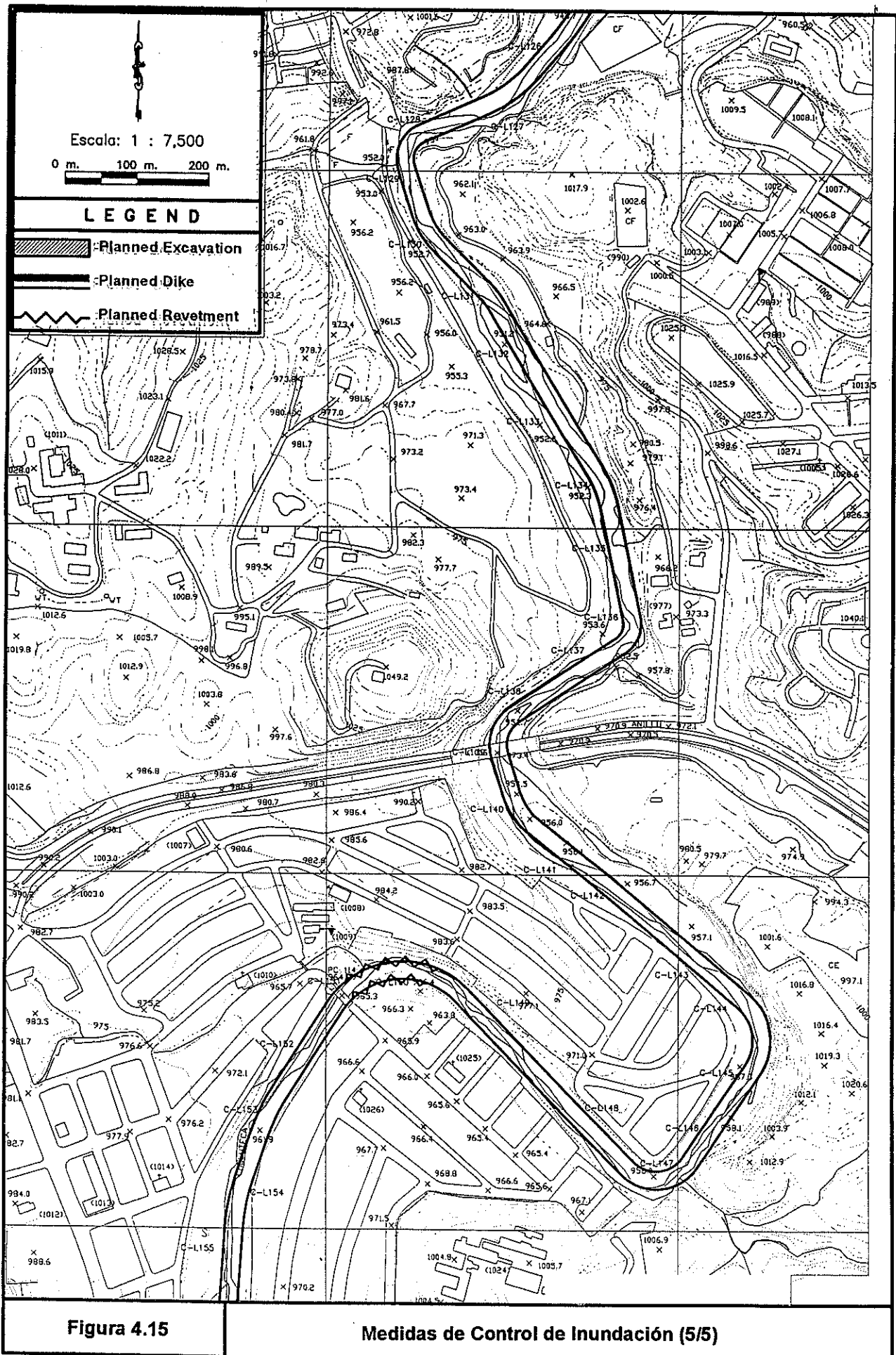


Figura 4.14

Medidas de Control de Inundación (4/5)



**Figura 4.15**

**Medidas de Control de Inundación (5/5)**

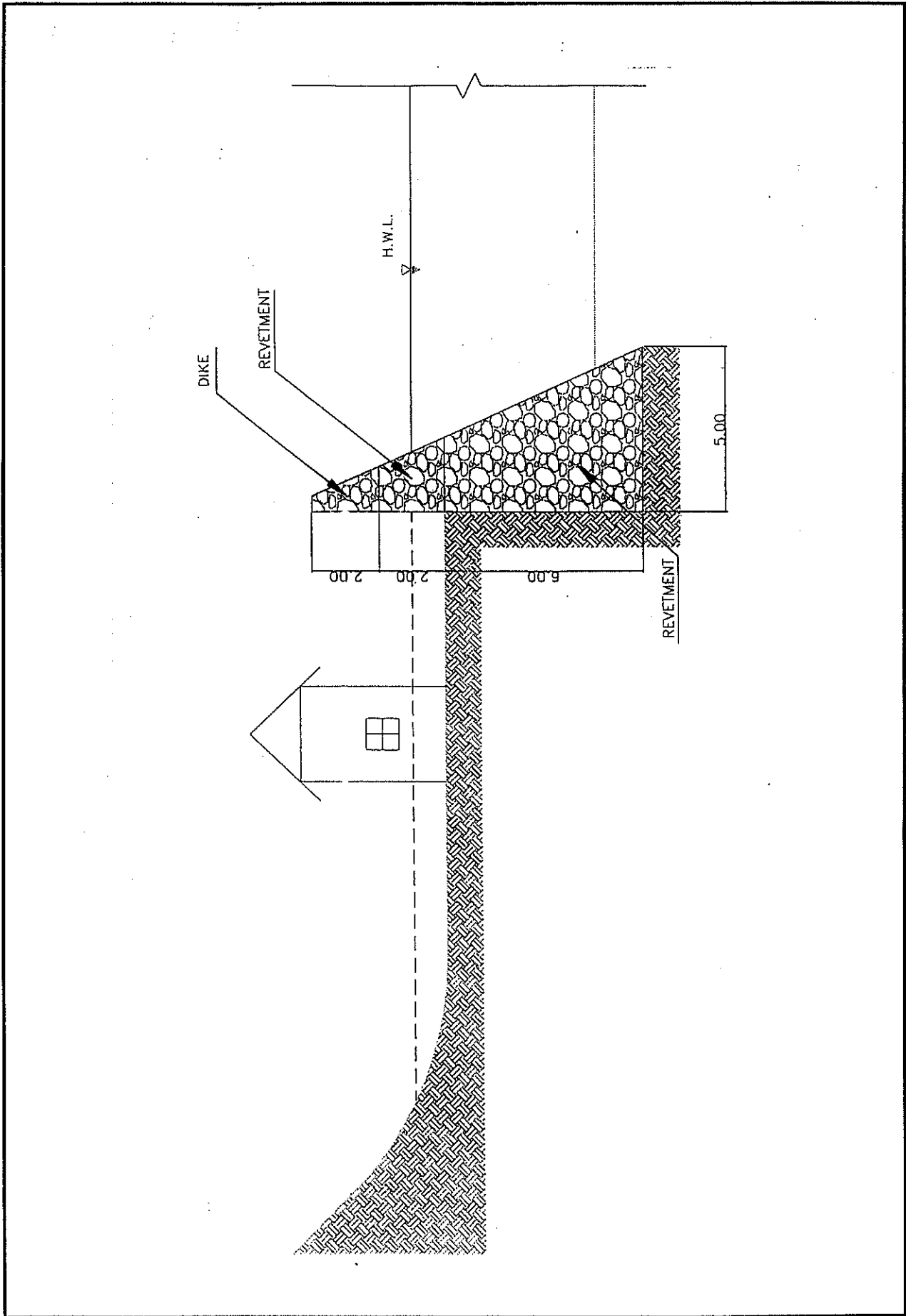


Figura 4.16

Muro de Contención



LONGITUDINAL SECTION S=1:500  
(C 56)

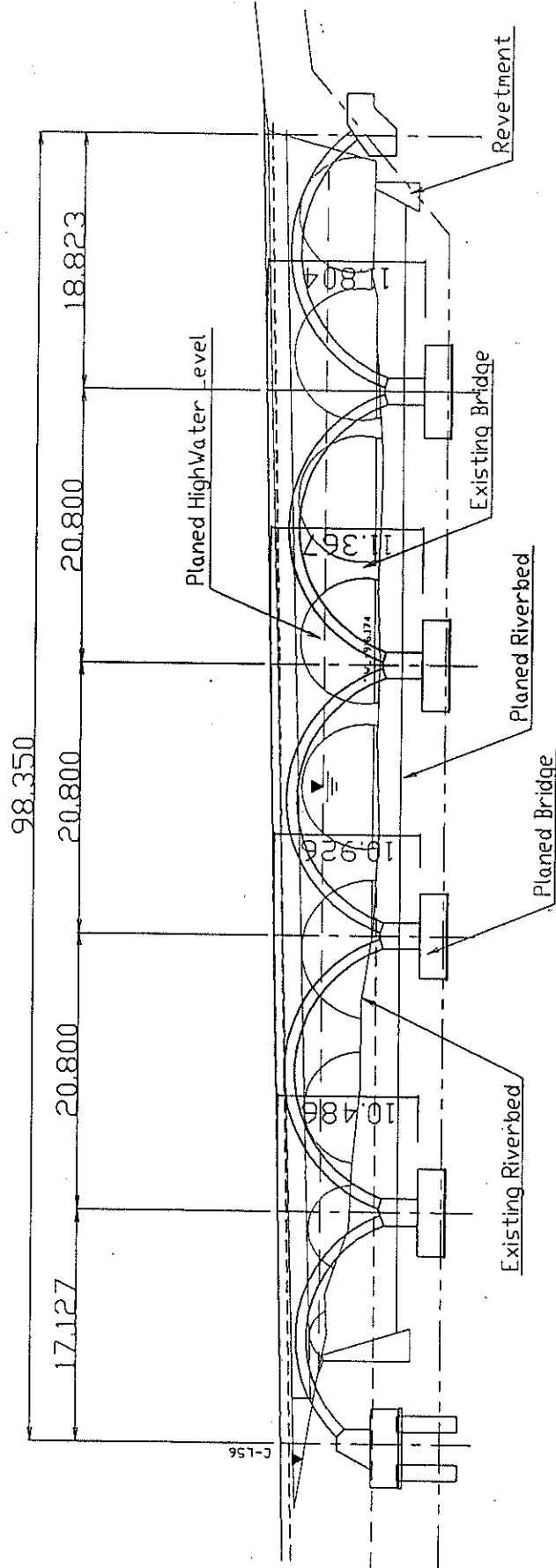


Figura 4.17

Nuevo Puente Mallol Propuesto



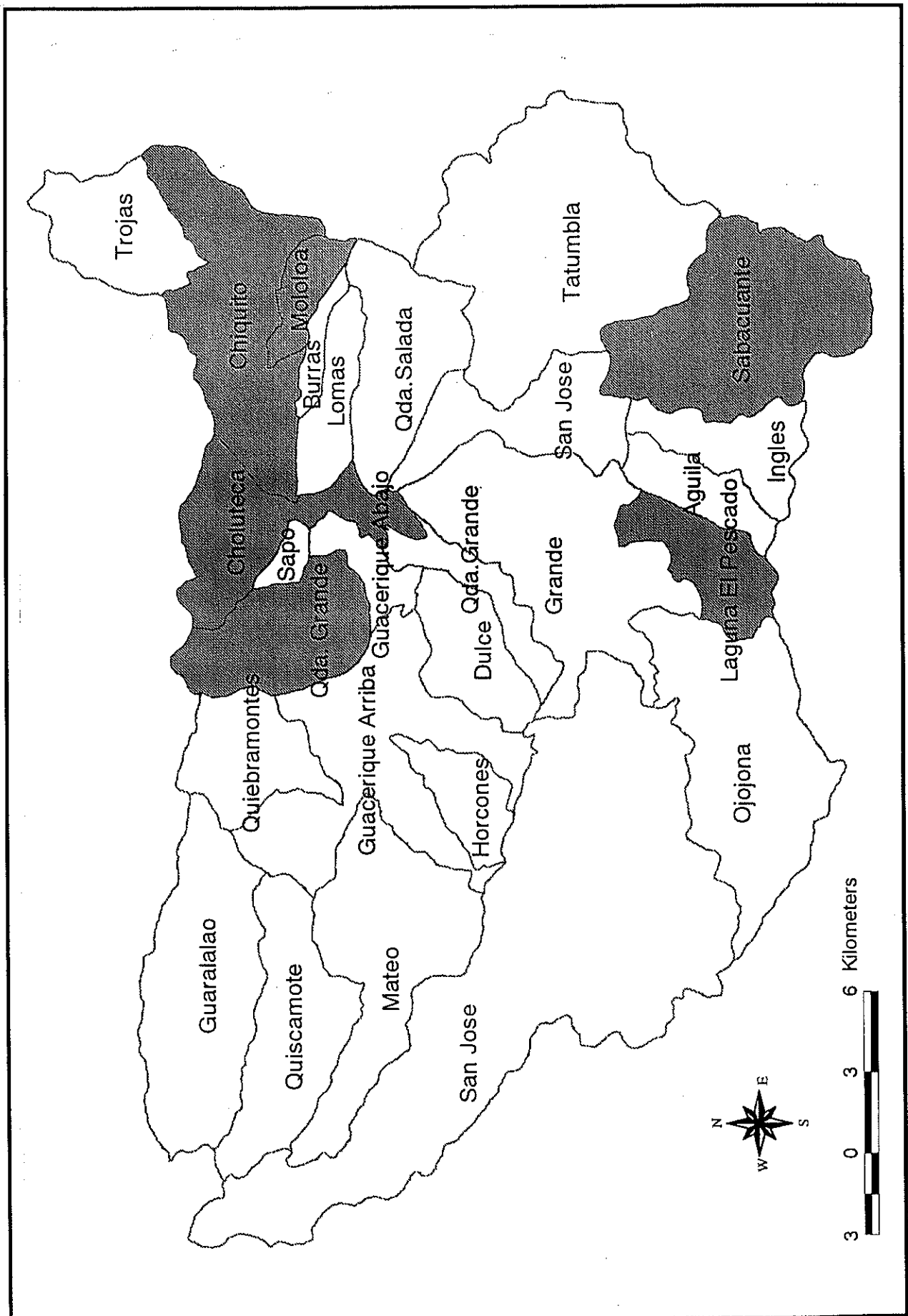


Figura 4.18

Ubicación de Micro-Cuencas