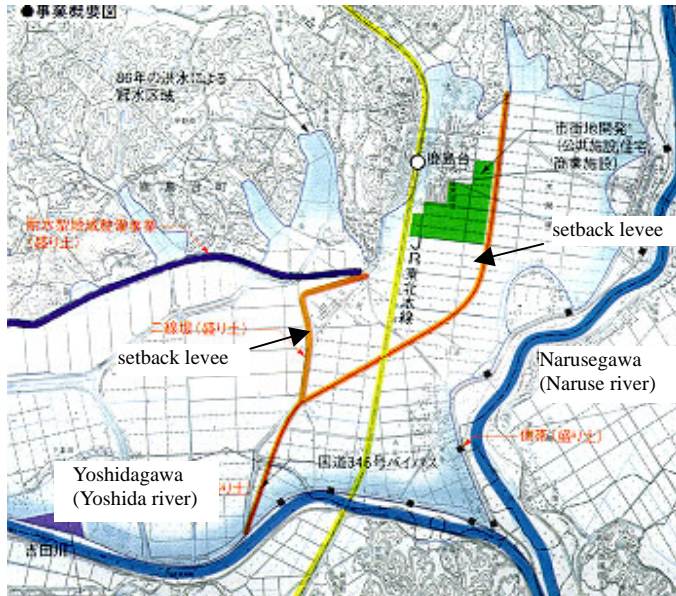


Traditional technique : **Setback levee** (Applications of structural approaches)

Category : Setback levees

River : Near the confluence of the Yoshidagawa and Narusegawa rivers

Site : Kashimadai-machi, etc. (Miyagi Pref.)



The Narusegawa and Yoshidagawa rivers and the planned setback levees



The area affected by the 1986 flood and the locations of the setback levees

Source: Nikkei Construction, Nov. 28, 1997

Description:

The area consisting of Kashimadai-machi, Osato-cho and Matsushima-machi sandwiched between the Narusegawa(Naruse river) and the Yoshidagawa(Yoshida river) has been a flood-prone area from olden times. The August 1986 flood was an unprecedented disaster, and the Ministry of Construction, the Miyagi Prefectural Government and the municipal government cooperated in rehabilitating the damaged area. In 1988, the Ministry of Construction launched a project for building a flood-resistant community and the Kashimadai-Osato-Matsushima area was designated as the only project area in the country. The project aims to build a safe community through comprehensive development of marginal strips, setback levees, flood disaster prevention zones, escape routes, etc., and the implementation of a wireless emergency communication system for communicating warnings to all local households.