

## Sewerage technology and the project of reviewing and certifying the technology

Whole term

1994. 4 ~ 1995. 3

### (Purpose)

Ministry of Construction strives for promoting research and development of the private sector, which are related to the construction technology, and introducing innovative technologies as appropriate and swift means to construction projects. And it also aims at contributing towards an improvement in the level of the construction technology, and devising some measures as setting up evaluating systems for new technologies. The public-service corporation, one of the evaluating systems, investigates contents about construction skills which private sector has developed independently, based on “Rules for technical review and certification of the construction technology developed by the private sector” (Ministry of Construction Bulletin No.1451 on 28<sup>th</sup> July, 1987).

This organization is intended to improve the sewer technology, and execute “Sewerage technology and the project of reviewing and certifying the technology” with an approval of the Minister of Construction (Ministry of Construction Bulletin No. 475 on March 2, 1993) based on the aforementioned rule.

### (Results)

In 1994 fiscal year, it was requested by eight private companies to review and certify five technologies, and the reviewing and certification were done based on “Sewerage technology and instructions of reviewing and certifying the technology.” On this occasion, three committees composed of academic experts were appointed for reviewing and certifying:

Committee for reviewing and certifying the technology for complete rehabilitation of sewers-(Chairperson of the committee: Yoshihiko Hosoi, a professor of Tottori University).

Committee for reviewing and certifying the technology for partial rehabilitation of sewers-(Chairperson of the committee: Tetsuya Kusuda, a professor of Kyushu University).

Committee for reviewing and certifying the materials for sewers-(Chairperson of the committee: Michimasa Nakamura, a professor of Nihon University).

The followings are the five technologies granted to the committees for reviewing and certification, on 16<sup>th</sup> March, 1995:

1. Technology for the complete rehabilitation of sewers[All liner and All liner system]  
Client: Asahi Tec Corporation, KANSEI co.
2. Technology for the rehabilitation of damaged sections of sewers [Aporo pipe and paltem.aporo system]  
Client: Ashimori Industry; Co., Ltd., Ashimori Engineering Co., Ltd.
3. Technology for the rehabilitation of damaged sections of sewers [ASS system]  
Client: Sumiyoshi Seisakusyo
4. Nishi tube NXL-HTM system for sewers  
Client: Nishi Nippon Electric Wire & Cable Co., Ltd.
5. Joints for sewers(suntac branched pipe)  
Client: Miyama Hellas Ltd., Hayakawa Rubber Co., Ltd.

Personnel in charge of the study: Masakazu Nakao, Shigeru Suzuki, Shunji Takaoka,  
Masaru Furukita, Naotaka HImi

Keywords

Investigate verification, Sewers, Rehabilitating technology, Complete rehabilitation, Partial rehabilitation, Materials, Branched pipe, Connection pipe