

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

Whole term

1995. 4 ~ 1996. 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 sewerage 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 1995 fiscal year, it was requested by eight private companies to review and certify three technologies, and the reviewing and certification were done based on “Sewerage technology and instructions of reviewing and certifying the technology.” On this occasion, two 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).

Followings are the three technologies granted to the committees for reviewing and certification, on 12<sup>th</sup> March, 1996:

- 1) Technology for rehabilitation of large diametral sewers (complete rehabilitation)[Danby system]

Client: Kubota Corporation, Kubota Construction, Osaka Bousui Construction Co., Ltd.

- 2) Technology for rehabilitation of large diametral sewers (complete rehabilitation)[super SPR system]

Client: Tokyo Metropolitan Sewerage Service Corporation, Sekisui Chemical Co., Ltd., Adachi Construction and Industry

- 3) Technology for rehabilitation of joints in sewers (rehabilitation of damaged sections)[FRP inner repair system]

Client: Toa Grout Industry, Inc., SGC Sewerage Center Corporation

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Keywords

Investigate verification, Sewers, Rehabilitating technology, Complete rehabilitation, Partial rehabilitation, Large diametral sewer, Connection pipe