

## Project of reviewing and certifying the construction technology (Sewerage technology)-1

Whole term

### (Purpose)

This foundation was recognized by the minister of construction (Ministry of construction Bulletin No.475 on March 2, 1993) based on “Rules for technical review and certification of the construction technology developed by the private sector” . Therefore, this foundation executed “Sewerage technology and the project of reviewing and certifying the technology” to promote the construction technology developed by the private sector and to adopt the innovative technology into their projects of constructions, as well as to contribute towards the upgrading of the construction technology. However, it was abolished by the Ministry of Land, Infrastructure and Transport Bulletin No.44 in January, 2001.

Anyhow, the development of the construction technology that supports the base of an economic activity, maintaining the public lives, becomes more and more important. Moreover, when these technological developments are supported, it is thought that it grows more and more being owe it to private technology in the future. Especially, the projects of reviewing and certifying the technology are demanded even by the self-governing community which is the user from the viewpoint of environmental improvement in relation to the new technological development of the sewer systems, not only the developer.

As for such a situation, in order to answer these needs, the public service corporation where “Project of reviewing and certifying the technology developed by the private sector” was executed, started "Conference on the project of reviewing and certifying the construction technology” on 10<sup>th</sup> January, 2001. This conference has aimed to contribute to an appropriate and prompt introduction to the promotion of the research technology of the private sector, and a new technology into the construction project; aiming at a project of reviewing and certifying the construction, in a transparent and object- oriented manner, securing the honesty and social authenticity; and it designates that it contributes to the improvement of the construction technology. In 2001, the aforementioned foundation also joined this conference, and commenced “Project of reviewing and certifying the construction technology (sewerage technology) developed by the private sector” according to regulations of the above conference, executing standards.

### (Results)

In 2001 fiscal year, it was requested by fifty two private companies to review and certify twenty four technologies (renewal 6, changed 9, new 9), and the reviewing and certification were done based on “Sewerage technology and instructions of reviewing and certifying the technology” (Japan Institute of Wastewater Engineering Technology). On this occasion, under the committee for reviewing and certifying (Chairperson of the committee: Tetsuya Kusuda, a professor of Kyushu University), five committees composed of academic experts were appointed for reviewing and certifying:

Committee [No.1] for reviewing and certifying-(Chairperson of the committee: Masataka Sugawara, a professor of Osaka-Sangyo University).

Committee [No.2] for reviewing and certifying-(Chairperson of the committee: Michimasa Nakamura, a professor of Nihon University).

Committee [No.3] for reviewing and certifying-(Chairperson of the committee: Naoki Matsuo, a professor of Chubu University).

Committee [No.4] for reviewing and certifying-(Chairperson of the committee: Yoshihiko Hosoi, a professor of Tottori University).

Committee [No.5] for reviewing and certifying the sewer treatment technology-(Chairperson of the committee: Naoyuki Funamizu, a professor of Hokkaido University).

The followings are the twenty four technologies granted to the committees for reviewing and certification, on 25<sup>th</sup> February, 2002:

1. Renewal technology

1) Technology for rehabilitation of sewer-manufacturing system-[SPR system]

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

2) Technology for rehabilitation of sewer - inversion system - [ICP breathing system]

Client: Shonan Plastic Mfg.Co, Ltd.

3) Technology of repairing sewers [ASS system]

Client: Sumiyoshi Seisakusyo

4) Flexible joint for manhole-polymer [Nisi tube NXL-HTM]

Client: Nishi Nippon Electric Wire & Cable Co., Ltd.

5) Technology for rehabilitation of sewer- manufacturing system [Super SPR system]

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

6) Technology of repairing sewers [FRP inner repairing system]

Keywords

Investigate verification, Rehabilitating technology, Shield second layer system, System of anti-corrosive coating for concrete, Aerator, Apparatuses for sewage