

## QVC Japan Inc., - New distribution center



**Ordering party :** QVC Japan Inc.,

**Location :** Sakuara City, Chiba Prefecture

**Development :** 14.2ha

**Area Services :** Design and supervision service for development implementation, Soil survey, Acquisition of development approval and licenses from government agencies

**Time of Services :** From Oct. 2003 to Dec. 2007

**Completion :** 1st construction : Aug. 2006, 2nd construction : Dec.2007



### - Summary of design and supervision services

QVC Japan, Inc. is the multimedia retailer that sells a variety of goods through a 24-hour TV shopping and the Internet, and that directly distributes these ordered goods to the consumers all over Japan. It was built as the sole facility that stores and distributes all QVC' s goods. In this project, we, Nikkei Sekkei Civil Engineering, offered the services for design and supervision relating to the land reclamation and for the acquisition of development approval and licenses from the government agencies.

We performed development work in conformity with the development permit system set forth in the City Planning Law and with the land use planning developed based on the Sakura City' s basic concept. The regulating reservoir to control rain runoff and the park were also built in addition to the truck yard – the most important facility in distributing goods.

### - Countermeasures for soft ground

The pre-survey on the soil revealed the risk that the consolidation settlement and differential settlement might continue to exist for a long time after the completion of construction due to the sedimentation of very soft ground called "humic soil" and significant changes in thickness of such strata. Therefore, as the countermeasures for soft ground, we adopted the accelerated consolidation method using the paper drain and pre-loading by embankment, and the deep mixing method of soil stabilization to ensure the safety of the slope.

During the construction period, we performed the technical evaluation and analysis on the results of the field observation and reflected its results in the construction work so-called "observational construction control system" and supervised how to ensure the required quality of this reclaimed area.