### Investigation on the promotion of the synthetic rain water countermeasure in the urban area

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<th>Period</th>
<th>1996.12-1997.3</th>
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**Purpose**

In the urban area, it is important that the synthetic storm drainage countermeasure is conducted by the river departments cooperating with the sewerage departments. In this study, by setting conference as a field of communication and exchange of views between river department and sewerage departments, it is made to understand on the technical contents of the synthetic storm water countermeasure, and the preparation of "guide book (draft)" for deciding synthetic rain water countermeasure plan in urban area is made to be a final purpose, while the consistency with each business projects is attempted.

The necessary basic research was carried out on improvement goals integrated by the river departments and the sewerage and departments, sharing roles, handling of the runoff control facilities, etc. and the problem on the synthetic rain water countermeasure was extracted in this year.

**Result**

On the rain water countermeasure, from questionnaire survey carried out in 1996, reference and deliberation by review meeting, the problems on the synthetic rain water countermeasure plan was extracted.

1. Problems on plan discharge
   - Difference of watershed conditions (plan year, plan object scope).
   - Difference of plan scale (river improvement security, object rainfall).
   - Difference in stormwater runoff quantity calculation (catchment area, plan rainfall, calculation method of runoff).
   - Runoff control facilities (evaluation of facilities and positioning in plan theory).
2. Problem in management
   - Difference of calculation technique of discharge limit.
   - Necessity of outfall regulation.

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**Key Words**

Synthetic rain water countermeasure and river improvement security, discharge restriction