

ITbook Holdings Group

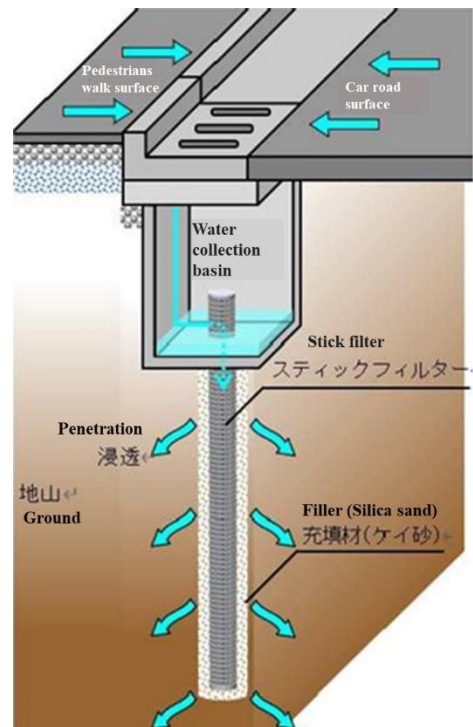
Selected for Green Infrastructure Creation Promotion Project

We hereby would like to inform you that the "Vertical Rainwater Infiltration Facility Double Pipe Construction Method" by our group company Something Co., Ltd. (Headquarters: Koto-ku, Tokyo, President and CEO: Mitsugu Koshirakawa, hereinafter referred to as "Something") has been adopted for the promotion area in Kawasaki City, Kanagawa Prefecture under the Ministry of Land, Infrastructure, Transport and Tourism's "Green Infrastructure Creation Promotion Project".

1. Background / Issues

In recent years, urban floods have been occurring frequently in urban areas, but it has often been difficult to implement conventional measures such as expanding sewers, drainage channels, and side ditches due to land acquisition and economic issues. On the other hand, although rainwater infiltration basins are easy to install, rainwater infiltration is limited to the ground surface, and no significant improvement in infiltration capacity is expected.

Therefore, the "JS Drain Construction Method", a vertical rainwater infiltration facility that can use existing rainwater catchment basins and can be constructed in narrow spaces, has been put into practical use. On the other hand, from the perspective of maintaining and managing social infrastructure, it is necessary to maintain infiltration capacity, but the conventional JS drain method still has the problem of not being able to sufficiently remove the earth and sand that flowed into the drain along with rainwater.



※JS Drain Construction Method: Vertical drain construction method by Something jointly developed by Joto Lipron Co., Ltd., housing/civil engineering materials manufacturer.
(<https://www.s-thing.co.jp/other/jsd/>)

2. Purpose

The new technology adopted this time is to install a new drainpipe on the outside of the conventional drain pipe to create a double pipe, and even after burial, the inner stick filter can be removed for cleaning and replacement, which aims to further shorten the construction period and make maintenance, management, and updates easier.

3. Initiative Details

Something, together with our group companies ITbook Technology Co., Ltd. and Earth Prime Co., Ltd., will conduct the following verification.

【Inquiries regarding this press release】

ITbook Holdings Co., Ltd. URL: <https://www.itbook-hd.co.jp/> IR Contacts: Mr. Morishima, Mr. Yamamoto
Tel. 03-6770-9970 Fax. 03-4363-1154

Notice: This document is a translation of the original Japanese document and is only for reference purposes. In the event of any discrepancy between this translated document and the original Japanese document, the latter shall prevail.

Demonstration Filed:

Location: 1-chome Seki, Tama-ku, Kawasaki City, Kanagawa Prefecture

Scale: Number of target facilities: 4 (2 with conventional technology, 2 with new technology)

Demonstration field partner: Kawasaki City Construction and Green Policy Bureau, Kanagawa Prefecture

Verification details:

① Improving rainwater infiltration capacity and storage capacity

Using in-situ water permeability tests, we will verify that the new technology's double pipe construction method has the same or higher penetration ability than the conventional construction method.

② Facilitating maintenance and management

After observing rainfall amounts and borehole water levels at fixed points for approximately 6 months, we confirmed the infiltration capacity using the same method as in ①, and then conduct cleaning by using both the conventional method and the new double pipe method respectively and check the subsequent penetration ability and compare and verify them.

③ Improved installation workability

We will compare the construction time required to installation by using the conventional construction method and the new technology's double pipe construction method, and verify that the construction period is shorter with the double pipe construction method.

In this demonstration project, our group pursues disaster prevention and mitigation through rainwater storage and infiltration, as well as promoting the transition to GX (Green Transformers), contributing to the improvement of the quality of working people's comfortable living spaces and regional development, and taking on the challenge of realizing a sustainable local society.

■Related link: Regarding the selection results of the Ministry of Land, Infrastructure, Transport and Tourism's "Green Infrastructure Promotion Project" public offering

(https://www.mlit.go.jp/report/press/sogo10_hh_000310.html)

■Inquiries regarding “Vertical Rainwater Infiltration Facility Double Pipe Construction Method”

Slope Sand Control Technology Association Secretariat/Something Co., Ltd. (<https://www.s-thing.co.jp/>)

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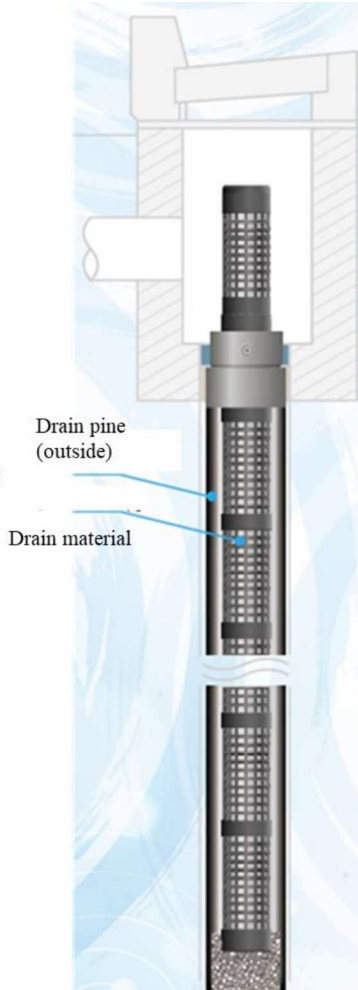
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the conventional method



the new double pipe method



Installation of drainpipe (outside)



Inserting drain materials



Remove and wash pipes under running water

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