

Demonstration Project for the Sewer Pipe Rehabilitation method for Non-circular shape

Implementing Organization

Under the joint name of;

- SEKISUI CHEMICAL CO.,LTD
 - JAPAN SEWAGE WORKS AGENCY
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1. Overview of Demonstration Project

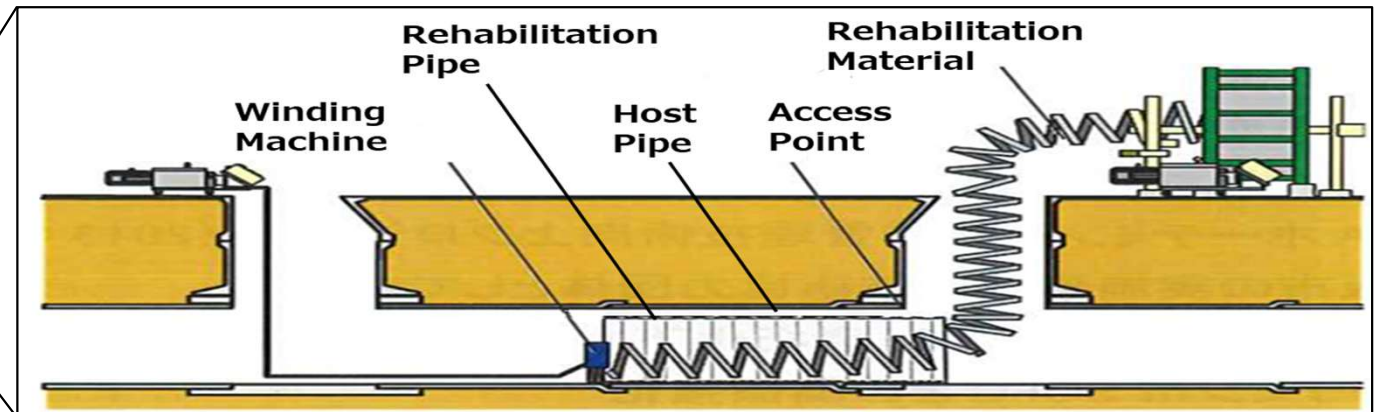
1) Purposes

Throughout site trial of rehabilitation technology

- 1) Showing the effectiveness of rehabilitation and increasing the recognition
- 2) Promoting activities for continuity through local requirement in Ho Chi Minh City, Vietnam

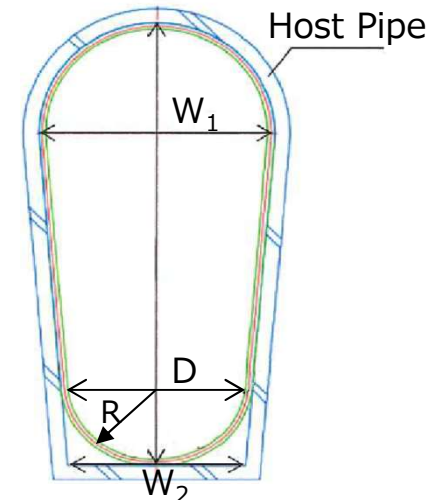
2) Place (City, Country)

Ho Chi Minh City, Vietnam



3) Designed Demonstrations

	Host Pipe	Rehabilitation Pipe
Shape (mm)	H1800 x W ₁ 800 x W ₂ 600	H1744 x W ₁ 740 x R300
Length (m)	L = 24.8	L = 24.8
Note	-	-



2. Results of Demonstration Project

1) Actual Demonstrations

	Host Pipe	Rehabilitation Pipe
Shape (mm)	H1535.7 x W ₁ 766.4 x W ₂ 577.9	H1490.7 x W ₁ 721.4 x D578.7
Length (m)	L = 24.8	L = 25.8
Note	-	incl. extra length for pipe

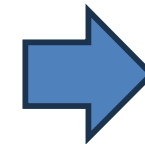
2) Views of Demonstrations



Demonstration Site (Night-time work)



Host Pipe (Before)



Rehabilitation Pipe (After)

3) Results of Project Schedule

Process	2017 Dec																2018 Jan																														
	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Cleaning, Inspection	■	■	■	■						■				■	■	■	■														■						■										
Winding					■	■	■	■	■	■		■	■	■														■	■	■	■							■									
Bracing			■							■				■	■	■	■															■	■											■			
Grouting			■							■				■	■	■	■															■			■	■	■		■								
Cleaning			■							■				■	■	■	■															■											■	■			
Ending			■							■				■	■	■	■															■											■	■			

3) Features for Demonstration Project

- ① Minimizing the impact of social activities like traffic jams during construction because of no excavation of public spaces
- ② Any time work to be interrupted and restarted with live flow in the pipe
- ③ Improving flow capacity after the rehabilitation because of smooth surface of PVC rehabilitation pipe
- ④ Available to be rehabilitated any shapes (large DN, BOX, Egg, etc.)

4. Results of Promotion Activates

1) Site Tour

Date : 29.1.2018

Place : Actual Site

Tour Agenda:

- Checking of actual Location and traffic status of site during day-time
- Safety condition and preparation for the constriction work



View of Site tour

2) Seminar

Date : 20.3.2018

Place : Seminar room in Ho Chi Minh City, Vietnam

Outline of Presentation:

Explanation about the result and status of the demonstration Project for the Sewer Pipe Rehabilitation method for Non-circular shape



View of Seminar