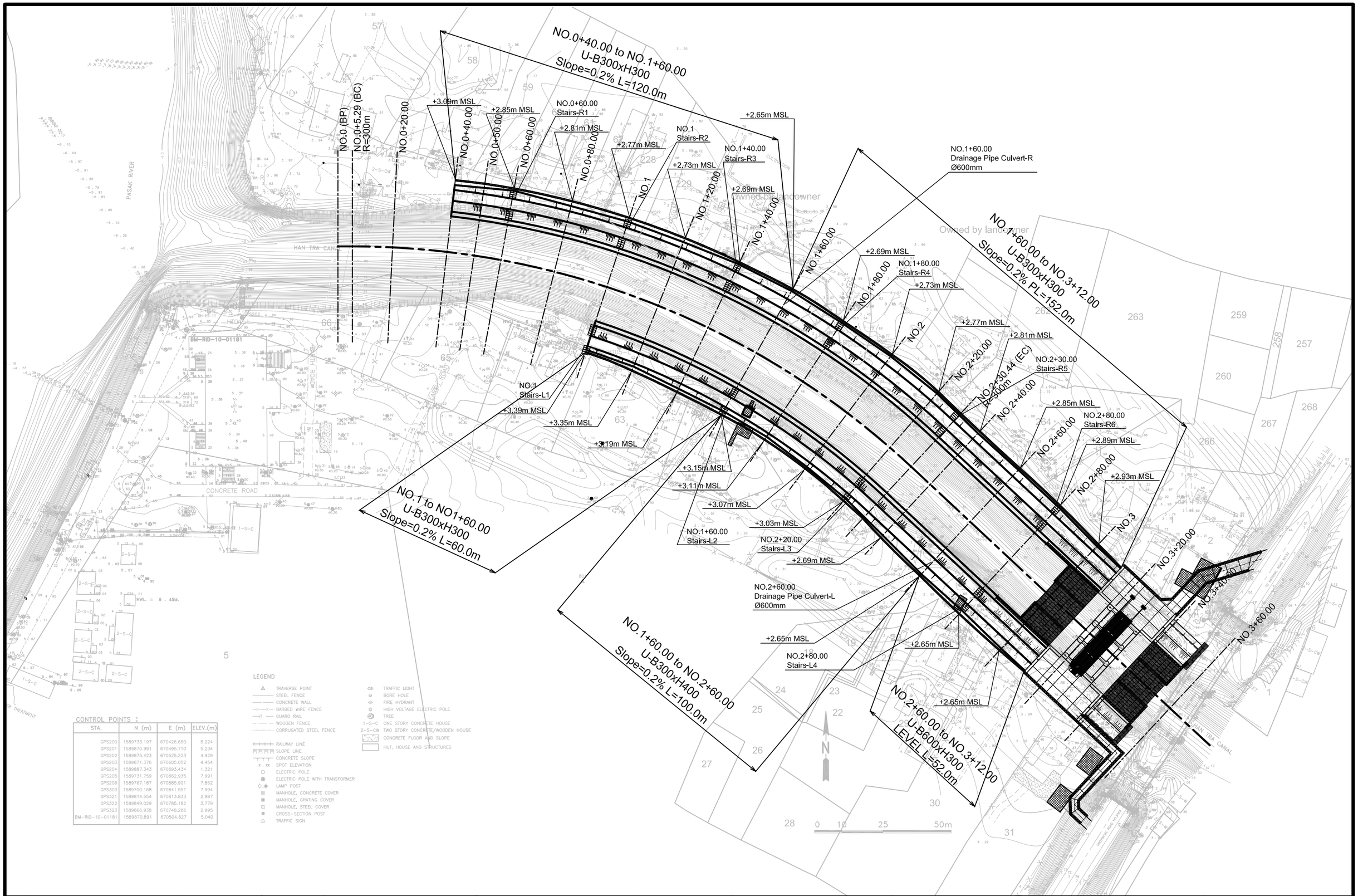
資料 9

設計図



CONTROL POINTS

STA.	N (m)	E (m)	ELEV.(m)
GPS200	1589733.197	670426.650	5.224
GPS201	1589870.991	670495.710	5.234
GPS202	1589875.423	670525.223	4.929
GPS203	1589871.376	670605.052	4.454
GPS204	1589887.343	670693.434	1.321
GPS205	1589731.759	670862.935	7.991
GPS206	1589767.187	670885.901	7.852
GPS303	1589700.168	670841.551	7.994
GPS321	1589814.554	670813.833	2.987
GPS322	1589849.029	670785.182	3.779
GPS323	1589866.938	670748.286	2.995
BM-RID-10-01181	1589870.891	670504.827	5.040

REV. NO.	DESCRIPTION	CONSULTANT CHECKED	CONSULTANT DATE	RID CHECKED	RID DATE	REV. NO.	APPROVED BY

KINGDOM OF THAILAND
MINISTRY OF AGRICULTURE AND COOPERATIVES
ROYAL IRRIGATION DEPARTMENT

SHEET CONTENTS: (CIVIL WORKS) HAN TRA FLOODGATE AND CANAL OVERALL LAYOUT

OWNER: Royal Irrigation Department, Ministry of Agriculture and Cooperatives

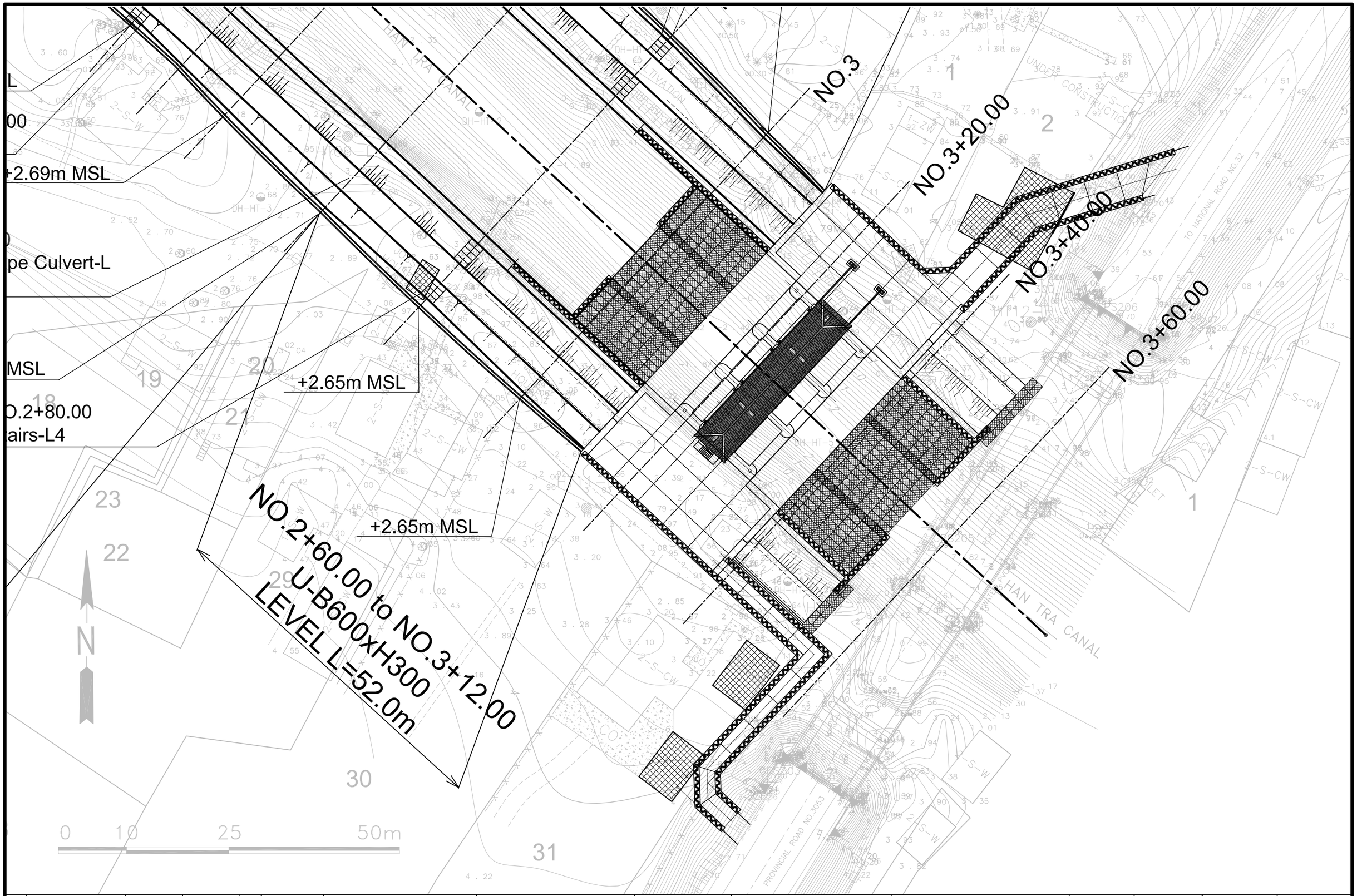
PROJECT TITLE: Preparatory Survey on the Flood Prevention Project of East Side of the Pasak River in Ayutthaya in the Kingdom of Thailand

CTI ENGINEERING INTERNATIONAL CO., LTD.
ORIENTAL CONSULTANTS CO., LTD.
NIPPON KOEI CO., LTD.
CTI ENGINEERING CO., LTD.

DESIGNED BY: ISHII Masaki, STRUCTURAL ENGINEER
CHECKED BY: MISHINA Takahiro, TEAM LEADER

DATE: AUGUST 2012
DWG. NO. HT-FG&BP-001
SCALE:
SHEET NO.

資料9-1



REV. NO.	DESCRIPTION	CONSULTANT CHECKED	CONSULTANT DATE	RID CHECKED	RID DATE	REV. NO.	APPROVED BY

KINGDOM OF THAILAND
MINISTRY OF AGRICULTURE AND COOPERATIVES
ROYAL IRRIGATION DEPARTMENT

SHEET CONTENTS: (CIVIL WORKS) HAN TRA FLOODGATE LAYOUT

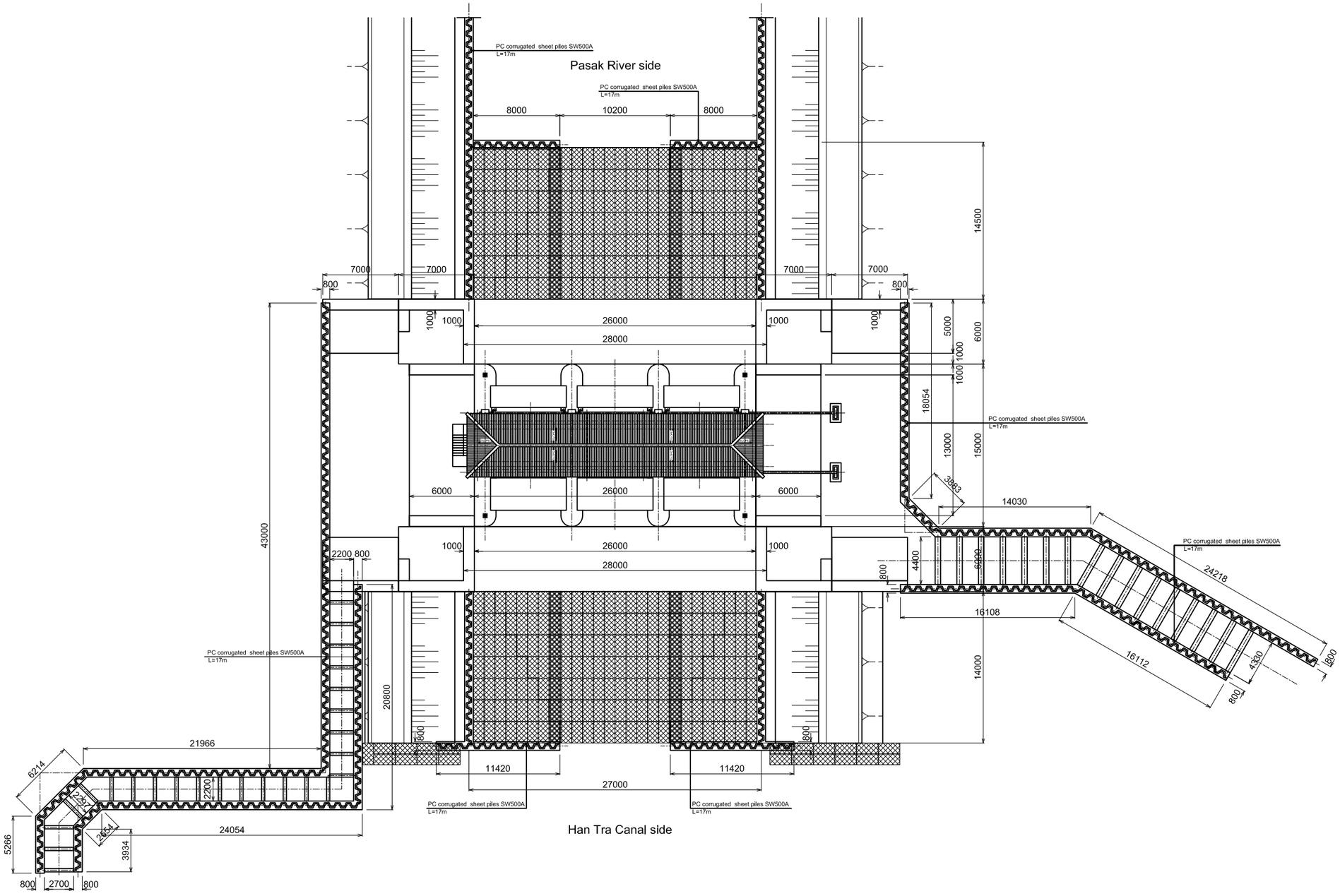
OWNER: Royal Irrigation Department, Ministry of Agriculture and Cooperatives

PROJECT TITLE: Preparatory Survey on the Flood Prevention Project of East Side of the Pasak River in Ayutthaya in the Kingdom of Thailand

CTI ENGINEERING INTERNATIONAL CO., LTD.
ORIENTAL CONSULTANTS CO., LTD.
NIPPON KOEI CO., LTD.
CTI ENGINEERING CO., LTD.

DESIGNED BY	CHECKED BY	DATE :	SCALE :
ISHII Masaki	MISHINA Takahiro	AUGUST 2012	
STRUCTURAL ENGINEER	TEAM LEADER	DWG. NO. HT-FG&BP-002	SHEET NO.

資料9-2



PLAN OF HAN TRA FLOOD GATE

REV. NO.	DESCRIPTION	CONSULTANT CHECKED	CONSULTANT DATE	RID CHECKED	RID DATE	REV. NO.	APPROVED BY

KINGDOM OF THAILAND
MINISTRY OF AGRICULTURE AND COOPERATIVES
ROYAL IRRIGATION DEPARTMENT

SHEET CONTENTS: (CIVIL WORKS) HAN TRA FLOODGATE PLAN

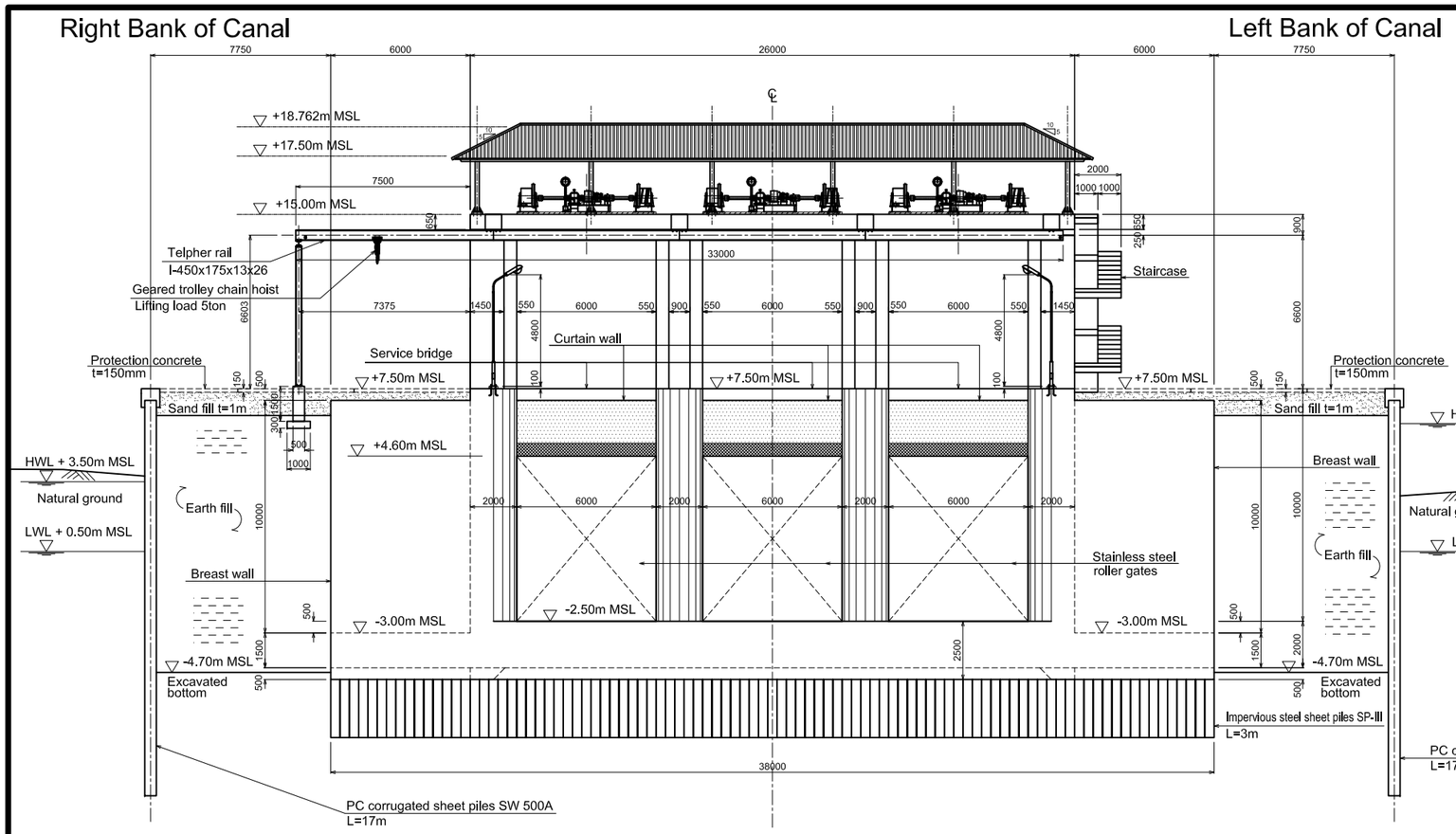
OWNER: Royal Irrigation Department, Ministry of Agriculture and Cooperatives

PROJECT TITLE: The Flood Prevention Project of East Side of the Pasak River in Ayutthaya in the Kingdom of Thailand

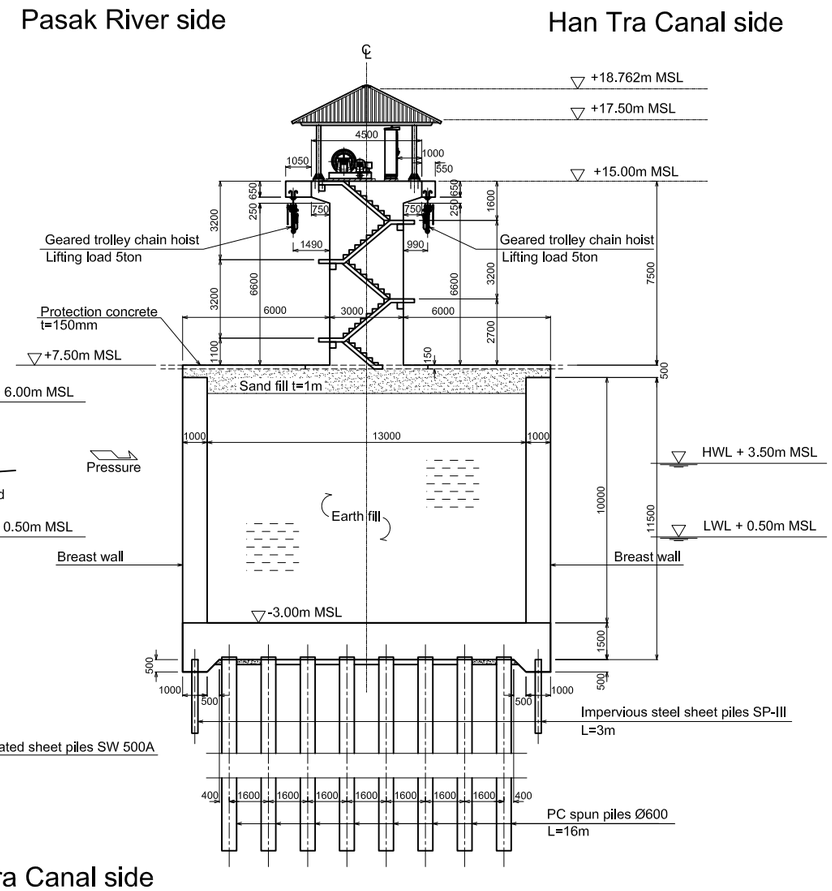
CTI ENGINEERING INTERNATIONAL CO., LTD.
ORIENTAL CONSULTANTS CO., LTD.
NIPPON KOEI CO., LTD.
CTI ENGINEERING CO., LTD.

DESIGNED BY	CHECKED BY	DATE :	SCALE :
ISHII Masaki	MISHINA Takahiro	AUGUST 2012	
STRUCTURAL ENGINEER	TEAM LEADER	DWG. NO. HT-FG-001	SHEET NO.

資料9-3



SECTION A-A



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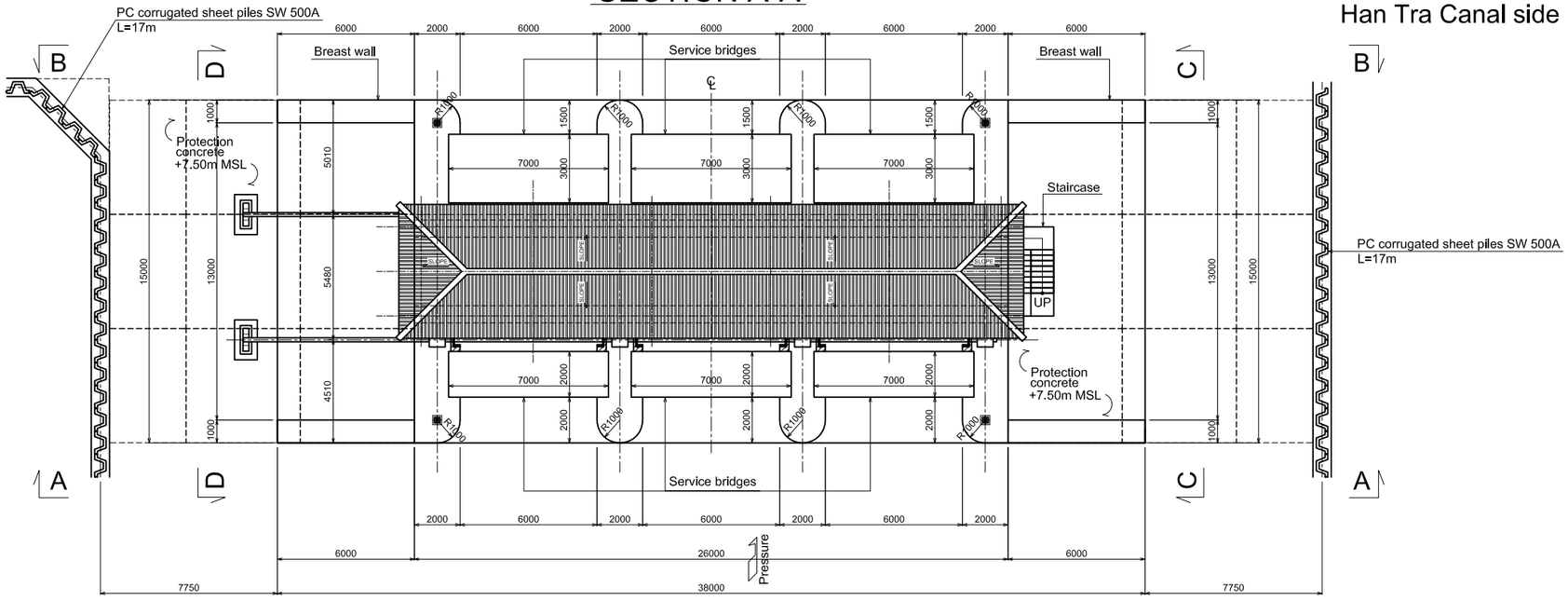


PLAN

MAIN STRUCTURE OF HAN TRA FLOOD GATE

REV. NO.	DESCRIPTION	CONSULTANT CHECKED	CONSULTANT DATE	RID CHECKED	RID DATE	REV. NO.	APPROVED BY

KINGDOM OF THAILAND
MINISTRY OF AGRICULTURE AND COOPERATIVES
ROYAL IRRIGATION DEPARTMENT

SHEET CONTENTS: (CIVIL WORKS) HAN TRA FLOODGATE MAIN STRUCTURE PLAN AND SECTIONS

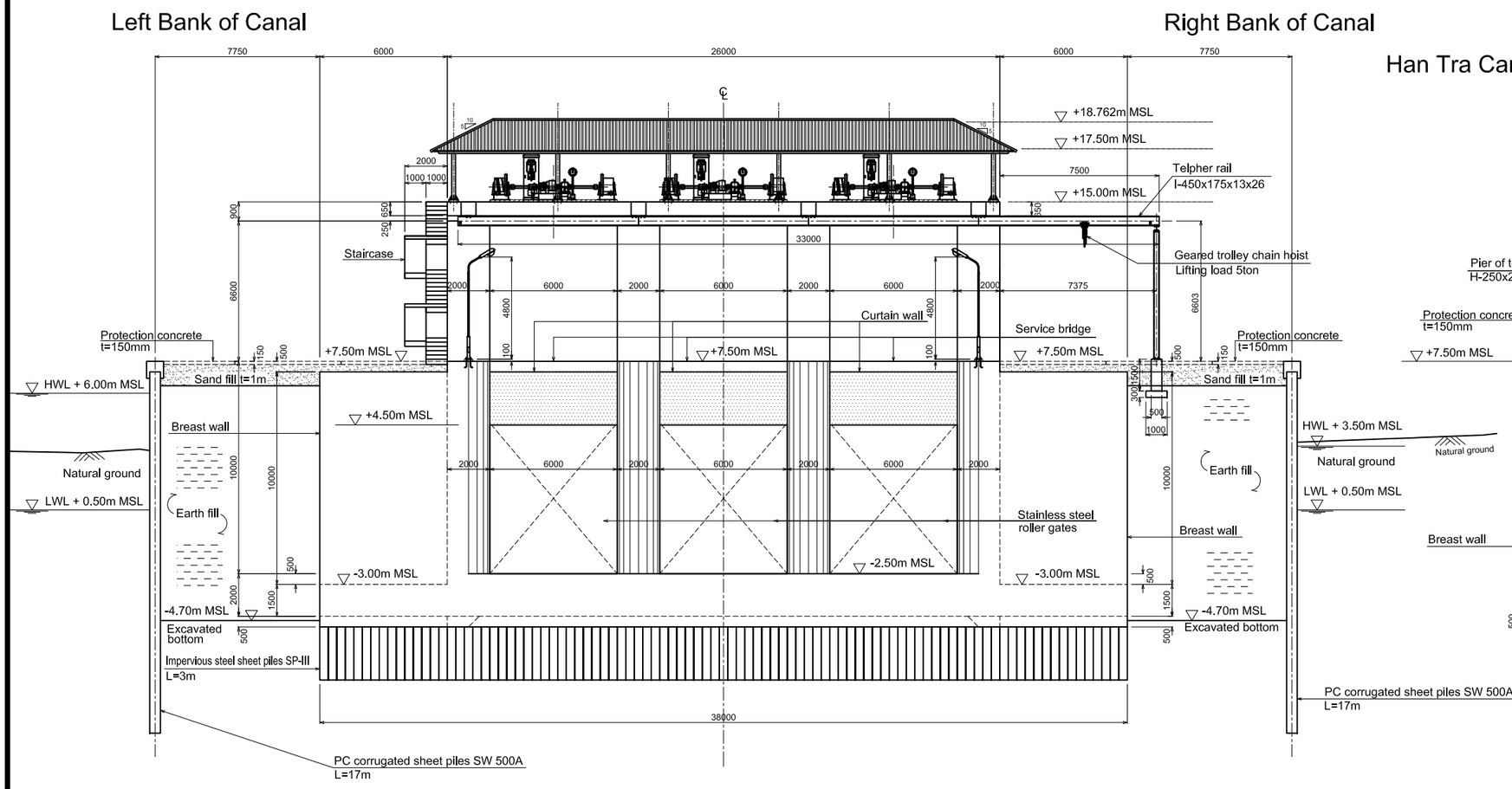
OWNER: Royal Irrigation Department, Ministry of Agriculture and Cooperatives

PROJECT TITLE: Preparatory Survey on the Flood Prevention Project of East Side of the Pasak River in Ayutthaya in the Kingdom of Thailand

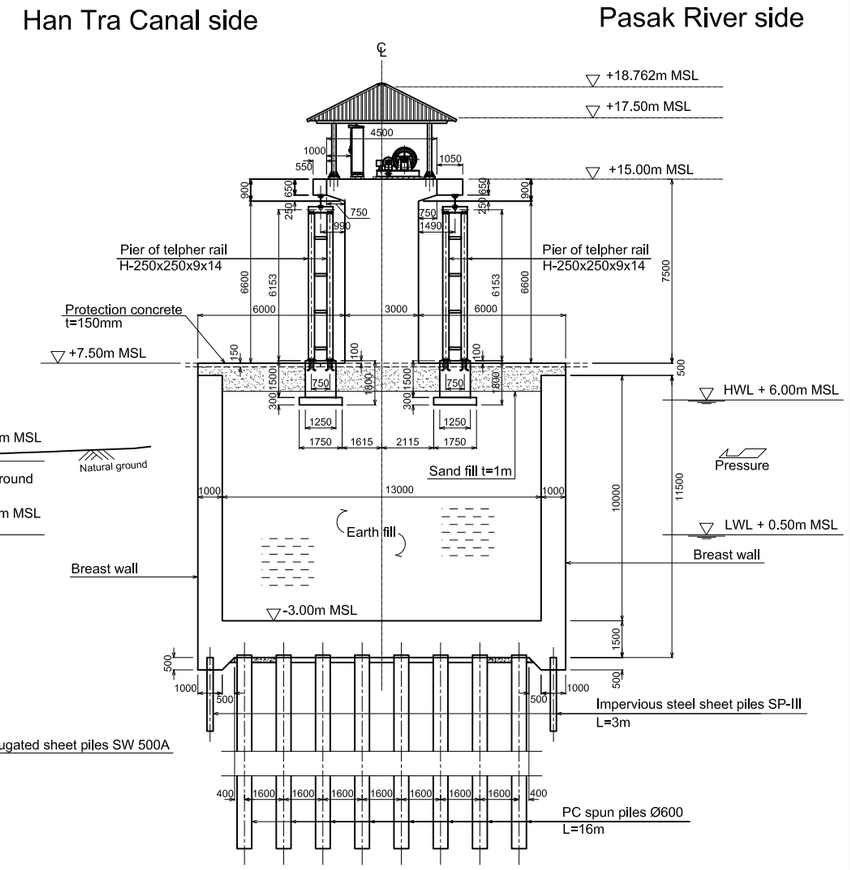
CTI ENGINEERING INTERNATIONAL CO., LTD.
ORIENTAL CONSULTANTS CO., LTD.
NIPPON KOEI CO., LTD.
CTI ENGINEERING CO., LTD.

DESIGNED BY	CHECKED BY	DATE :	SCALE :
ISHII Masaki (STRUCTURAL ENGINEER)	MISHINA Takahiro (TEAM LEADER)	AUGUST 2012	
		DWG. NO. HT-FG-002	SHEET NO.

資料9-4



SECTION B-B



SECTION D-D

MAIN STRUCTURE OF HAN TRA FLOOD GATE

REV. NO.	DESCRIPTION	CONSULTANT CHECKED	CONSULTANT DATE	RID CHECKED	RID DATE	REV. NO.	APPROVED BY

KINGDOM OF THAILAND
MINISTRY OF AGRICULTURE AND COOPERATIVES
ROYAL IRRIGATION DEPARTMENT

SHEET CONTENTS: (CIVIL WORKS) HAN TRA FLOODGATE MAIN STRUCTURE SECTIONS

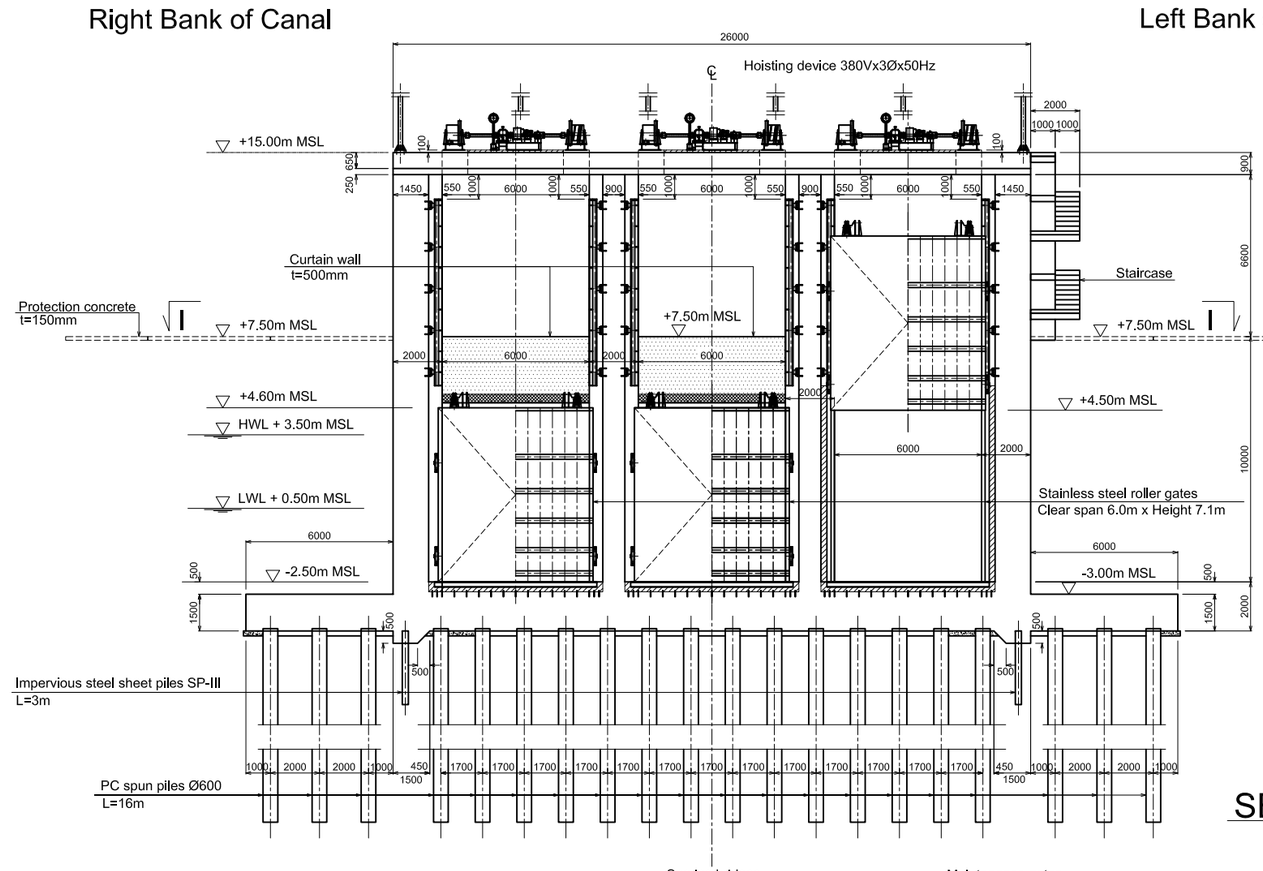
OWNER: Royal Irrigation Department, Ministry of Agriculture and Cooperatives

PROJECT TITLE: Preparatory Survey on the Flood Prevention Project of East Side of the Pasak River in Ayutthaya in the Kingdom of Thailand

CTI ENGINEERING INTERNATIONAL CO., LTD.
ORIENTAL CONSULTANTS CO., LTD.
NIPPON KOEI CO., LTD.
CTI ENGINEERING CO., LTD.

DESIGNED BY	CHECKED BY	DATE :	SCALE :
ISHII Masaki	MISHINA Takahiro	AUGUST 2012	
STRUCTURAL ENGINEER	TEAM LEADER	DWG. NO. HT-FG-003	SHEET NO.

資料9-5



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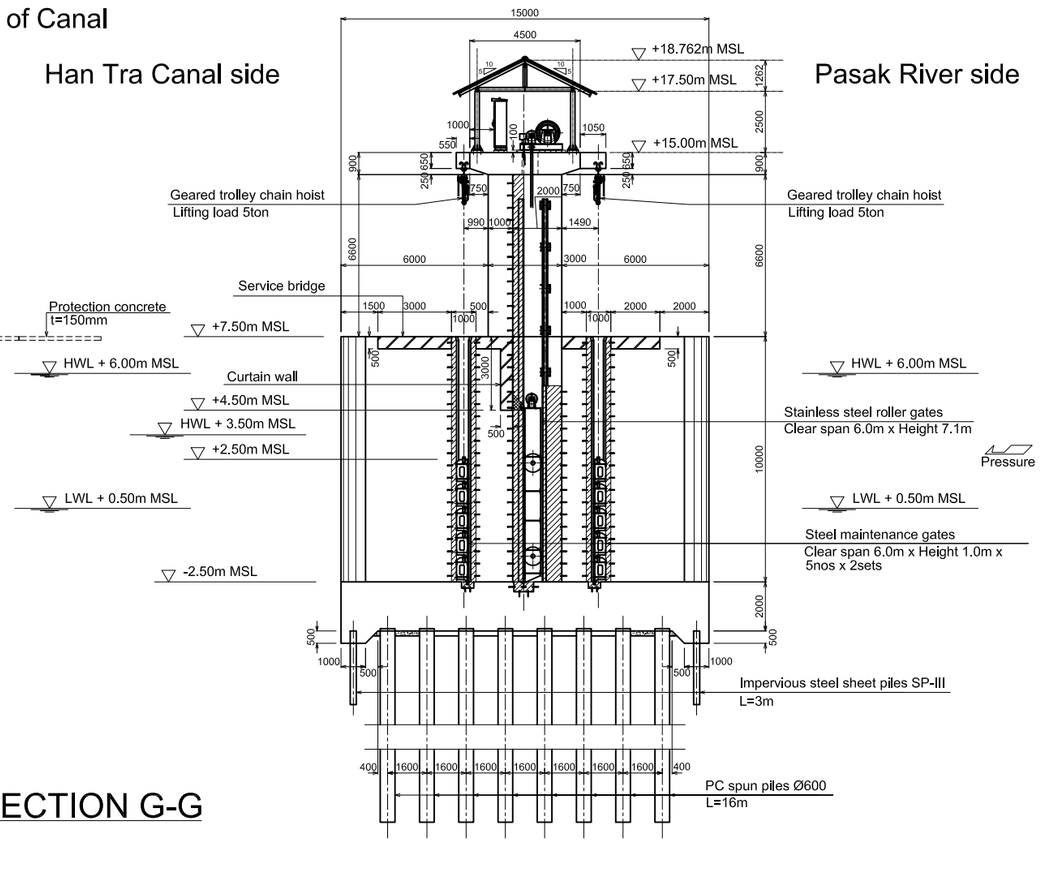

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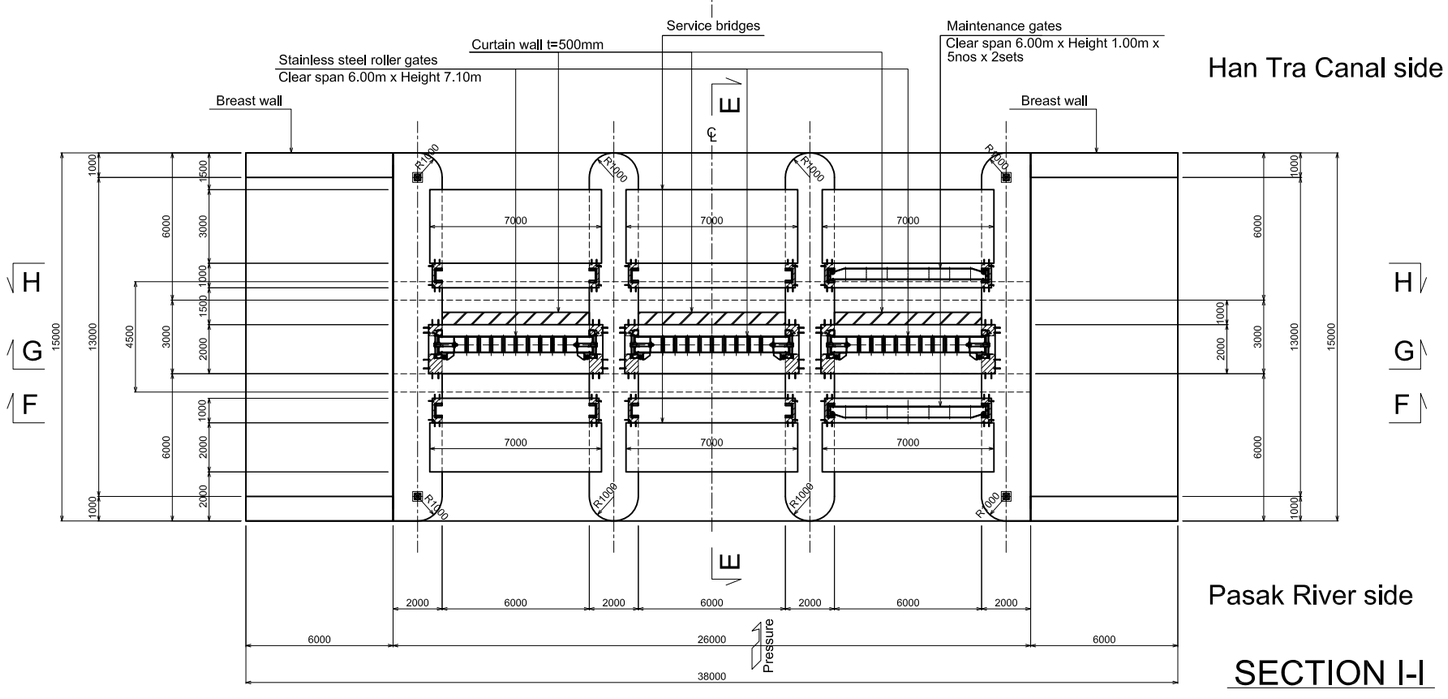


SECTION I-I

MAIN STRUCTURE OF HAN TRA FLOOD GATE

REV. NO.	DESCRIPTION	CONSULTANT CHECKED	CONSULTANT DATE	RID CHECKED	RID DATE	REV. NO.	APPROVED BY

KINGDOM OF THAILAND
MINISTRY OF AGRICULTURE AND COOPERATIVES
ROYAL IRRIGATION DEPARTMENT

SHEET CONTENTS: (CIVIL WORKS) HAN TRA FLOODGATE MAIN STRUCTURE SECTIONS

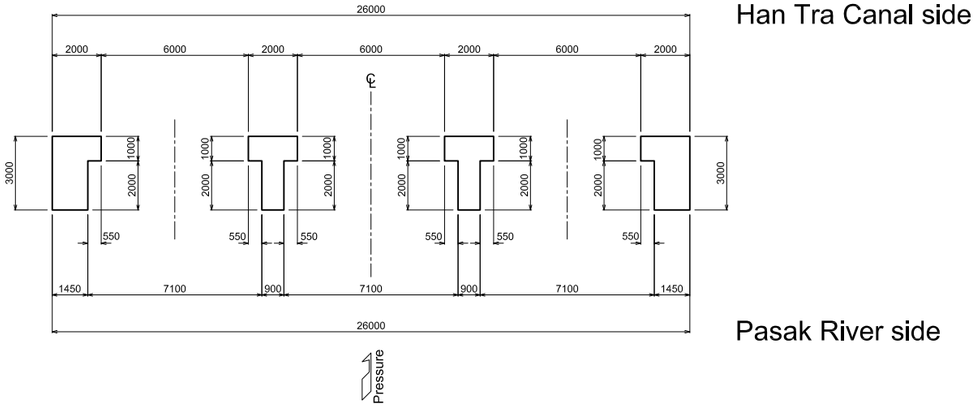
OWNER: Royal Irrigation Department, Ministry of Agriculture and Cooperatives

PROJECT TITLE: Preparatory Survey on the Flood Prevention Project of East Side of the Pasak River in Ayutthaya in the Kingdom of Thailand

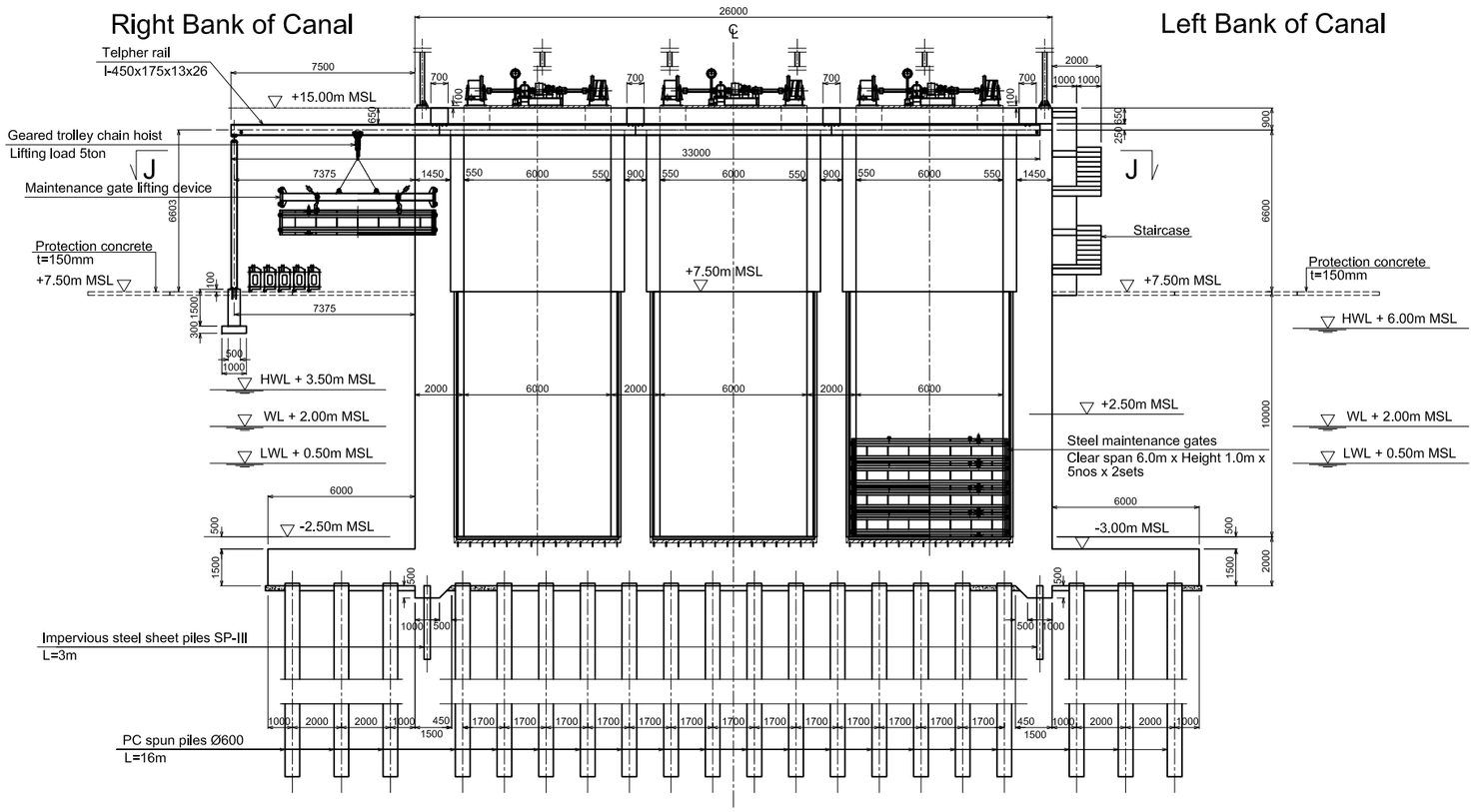
CTI ENGINEERING INTERNATIONAL CO., LTD.
ORIENTAL CONSULTANTS CO., LTD.
NIPPON KOEI CO., LTD.
CTI ENGINEERING CO., LTD.

DESIGNED BY	CHECKED BY	DATE :	SCALE :
ISHII Masaki (STRUCTURAL ENGINEER)	MISHINA Takahiro (TEAM LEADER)	AUGUST 2012	
		DWG. NO. HT-FG-004	SHEET NO.

資料9-6



SECTION J-J



SECTION F-F

MAIN STRUCTURE OF HAN TRA FLOOD GATE

REV. NO.	DESCRIPTION	CONSULTANT CHECKED	CONSULTANT DATE	RID CHECKED	RID DATE	REV. NO.	APPROVED BY

KINGDOM OF THAILAND
MINISTRY OF AGRICULTURE AND COOPERATIVES
ROYAL IRRIGATION DEPARTMENT

SHEET CONTENTS: (CIVIL WORKS) HAN TRA FLOODGATE MAIN STRUCTURE SECTIONS

OWNER: Royal Irrigation Department, Ministry of Agriculture and Cooperatives

PROJECT TITLE: Preparatory Survey on the Flood Prevention Project of East Side of the Pasak River in Ayutthaya in the Kingdom of Thailand

CTI ENGINEERING INTERNATIONAL CO., LTD.
ORIENTAL CONSULTANTS CO., LTD.
NIPPON KOEI CO., LTD.
CTI ENGINEERING CO., LTD.

DESIGNED BY	CHECKED BY	DATE :	SCALE :
ISHII Masaki	MISHINA Takahiro	AUGUST 2012	
STRUCTURAL ENGINEER	TEAM LEADER	DWG. NO. HT-FG-005	SHEET NO.