

**MAJOR WORK UNDERTAKEN BY PKII
WHICH BEST ILLUSTRATES QUALIFICATIONS**

Project Name: KAMANAVA AREA FLOOD CONTROL AND DRAINAGE SYSTEM IMPROVEMENT PROJECT		Country: Philippines
Project Location with Country: Northern part of Metro Manila (Kalookan, Malabon, Navotas and Valenzuela)		Professional Staff Provided:
Name of Client: Department of Public Works and Highways		No. of Staff: 6
Address: Bonifacio Drive, Port Area, Manila		No. of Person-Months: Total : 1,230 M/M PKII : 68 M/M
Start Date: (Month/Year) August 2000	Completion Date (Month/Year) November 2007	Approx. Value of Service: ₱ 4,148,000.00
Name of Associated Firm(s), if any: CTI Eng'g. Co., Ltd., Nippon Koei Co., Ltd., Woodfields Consultants, Inc. and Pertconsult, International		No. of Months of Professional Staff Provided by Associated Firm(s): 1,162 M/M
Name of Key Staff Involved and Position :		
O. Samson - River Engineer	R. Martin - Cost Engineer	
A. Beringuela - Structural Engineer	N. Angeles - Materials/Quality Engineer	
N. Sartaguda - Architect	R. Templo - Hydrologist/Hydraulic Engr.	
Detailed Narrative Description of Project:		
<p>The topography of Kalookan, Malabon, Navotas and Valenzuela (KAMANAVA) is low and flat with elevations ranging from around sea level to 2-3m above mean sea level. Flooding may occur throughout the months, particularly frequent during the rainy season, when the period of high tides also coincides with. Flooding is caused by a combination of floodwater in the Malabon-Tullahan River and inadequate local drainage.</p> <p>Being a flagship project of the Government and considering its huge potential impact to flood mitigation and environmental improvement, the Japan Bank for International Cooperation (JBIC, formerly OECF) has concluded to extend its financial support and executed the appraisal on the Project in October 1999. The loan agreement (Special Yen Loan Package) was signed by both governments on April 7, 2000, and the Project was started in August 2000.</p> <p>The project consists of flood control and drainage improvement works in KAMANAVA area consisting of the construction of polder dikes (8 km), raising of river wall (12.4 km), construction of navigation lock (1 site), flood gates (5 sites), control gates (2 sites), pumping stations (7 sites), and improvement of existing drainage canals.</p>		
Detailed Description of Actual Services Provided:		
<p>The consulting services for the Project consists of four stages, namely:</p> <ul style="list-style-type: none"> • Preliminary Review and Preparatory Works, • Detailed Design Preparation, • Tender Administration and • Construction Supervision <p>PKII is involved in all these stages except for pre-construction services.</p>		