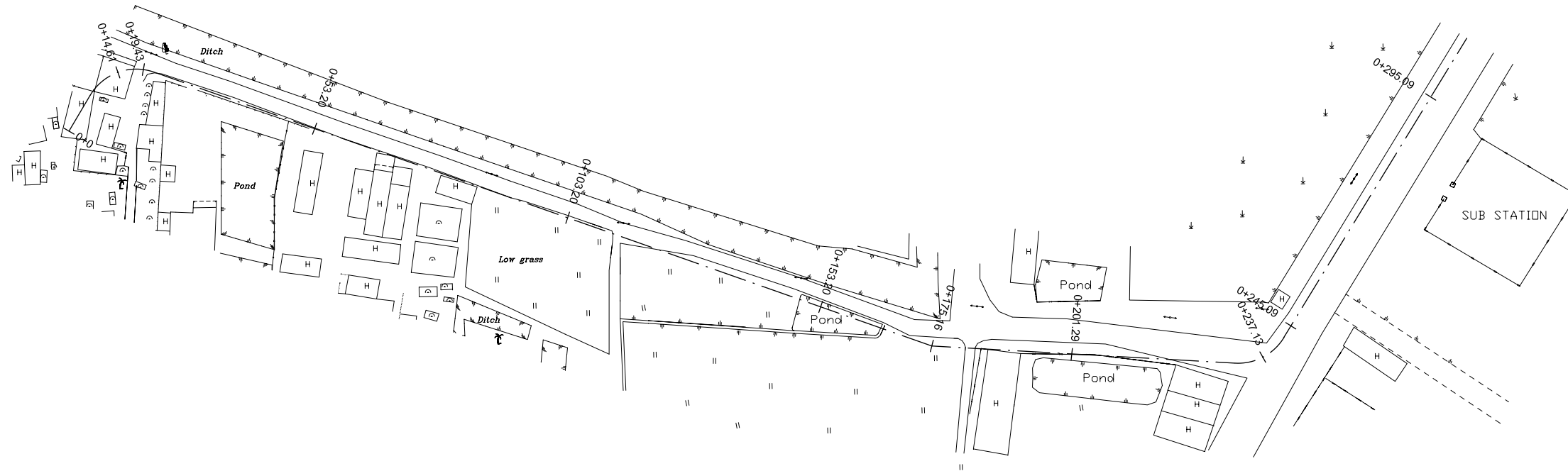


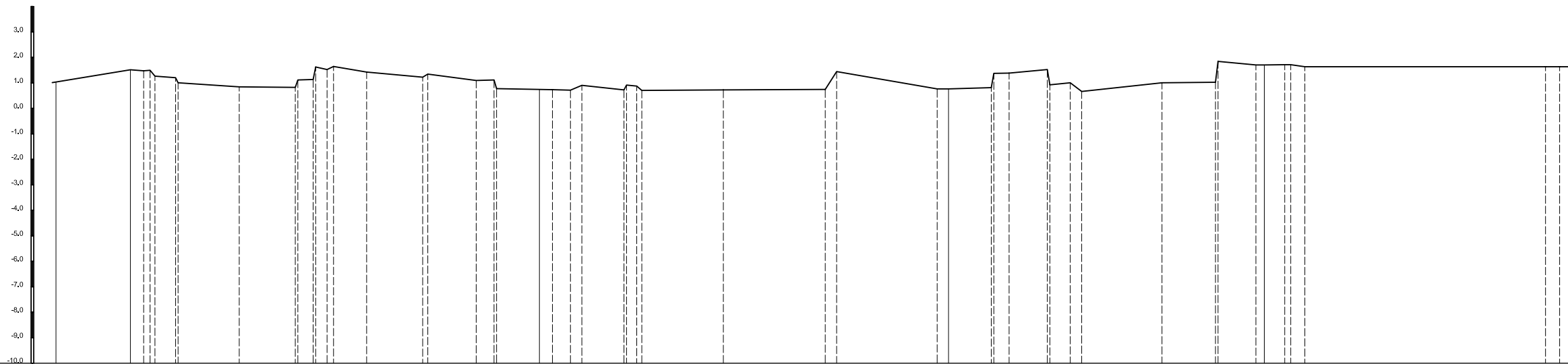
F. INTERMEDIATE WASTEWATER PUMPING STATION

G. CONVEYANCE SEWER

PLAN S = 1/500

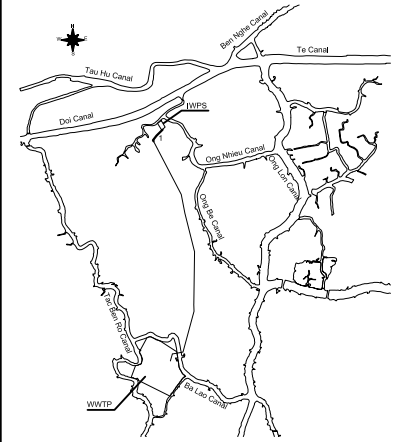


PROFILE S_H = 1/500, S_V = 1/100



Manhole Number	
Dimension (m)	
Gradient (%)	
Length (m)	
Design Ground Elevation (m)	
Existing Ground Elevation (m)	1.04, 1.52, 1.48, 1.50, 1.21, 0.85, 0.83, 1.12, 1.12, 1.03, 1.03, 1.43, 1.25, 1.25, 1.10, 1.12, 0.78, 0.75, 0.74, 0.74, 0.72, 0.91, 0.72, 0.62, 0.62, 0.88, 0.71, 0.73, 0.75, 1.45, 0.77, 0.77, 0.52, 1.39, 0.53, 0.53, 1.01, 0.87, 1.01, 1.03, 1.85, 1.71, 1.71, 1.72, 1.64, 1.64, 1.64
Earth Covering (m)	
Invert Elevation (m)	
Total Accumulation Length (m)	0, 14.61, 17.21, 18.43, 23.47, 25.97, 35.97, 46.97, 47.47, 50.97, 53.20, 54.47, 60.97, 71.07, 72.97, 82.47, 85.97, 88.47, 94.06, 97.44, 100.97, 103.20, 111.97, 113.97, 114.97, 130.97, 150.97, 153.20, 172.93, 175.16, 181.55, 184.05, 187.05, 194.55, 196.05, 198.05, 201.29, 217.05, 227.55, 228.05, 235.48, 237.13, 241.14, 242.32, 245.09, 292.32, 295.09

KEY MAP
(Scale: 1/50000)



NO.	DATE	DESCRIPTIONS	BY	APRO.
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REVISIONS

PROJECT MANAGEMENT UNIT FOR
HO CHI MINH CITY
WATER ENVIRONMENT IMPROVEMENT

THE DETAILED DESIGN ON HO CHI MINH CITY
WATER ENVIRONMENT IMPROVEMENT PROJECT
IN THE SOCIALIST REPUBLIC OF VIET NAM

PLAN AND LONGITUDINAL SURVEY OF
CONVEYANCE SEWER ROUTE (1)

SCALE : H : 1 / 500
V : 1 / 100

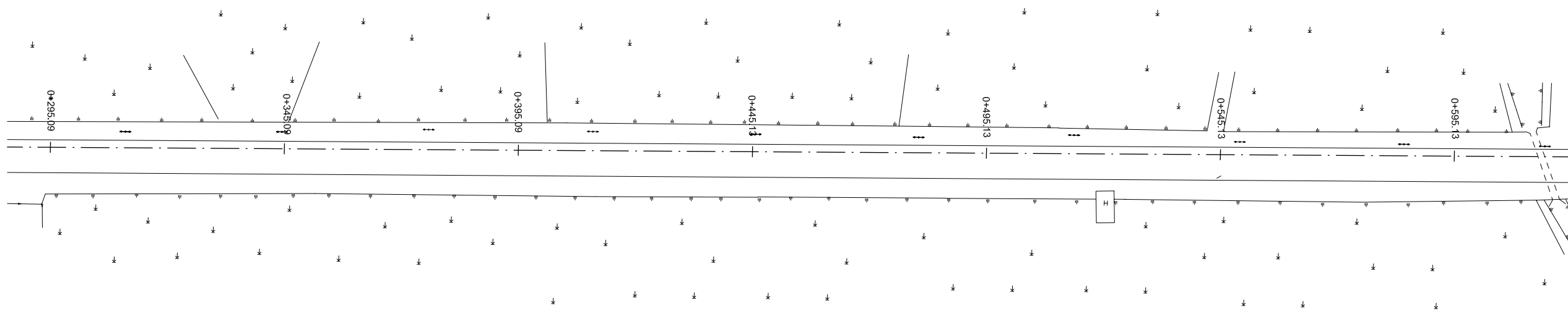
JICA JAPAN INTERNATIONAL COOPERATION
AGENCY (JICA)

PACIFIC CONSULTANTS INTERNATIONAL

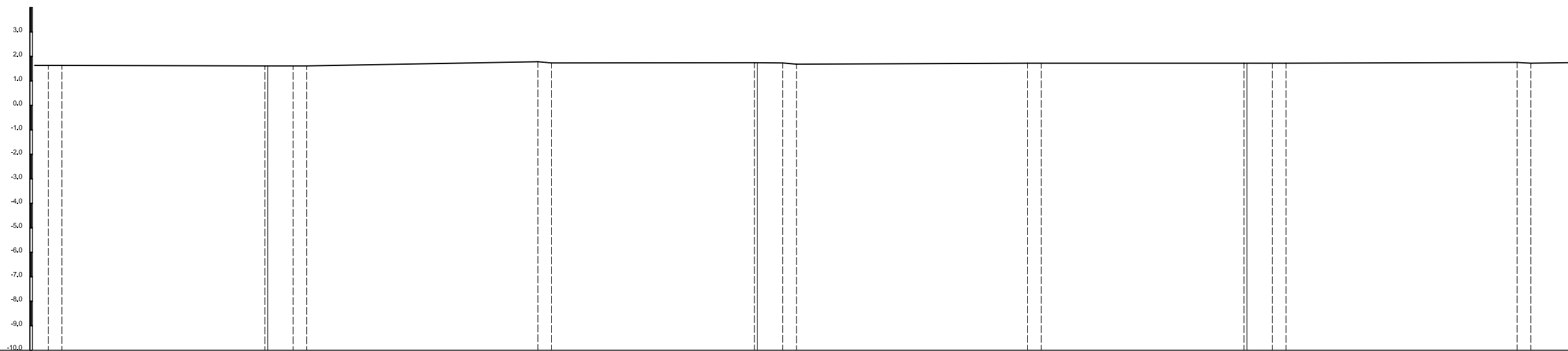
DESIGNED CHECKED

DATE : DWG. No.

PLAN S = 1/500

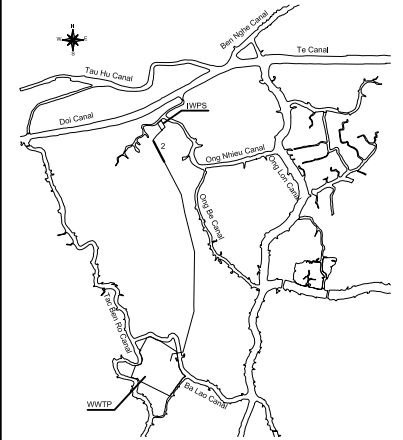


PROFILE S_H = 1/500, S_V = 1/100



Manhole Number	
Dimension (m)	
Gradient (%)	
Length (m)	
Design Ground Elevation (m)	
Existing Ground Elevation (m)	1.64, 1.64, 1.62, 1.62, 1.79, 1.74, 1.76, 1.74, 1.69, 1.73, 1.73, 1.73, 1.73, 1.73, 1.76, 1.73
Earth Covering (m)	
Invert Elevation (m)	
Total Accumulation Length (m)	295.32, 295.09, 337.13, 342.32, 345.09, 392.32, 396.09, 437.13, 442.32, 445.13, 492.32, 495.13, 537.13, 542.32, 545.13, 592.32, 595.13

KEY MAP
(Scale: 1/50000)



NO.	DATE	DESCRIPTIONS	BY	APPRO.
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REVISIONS

PROJECT MANAGEMENT UNIT FOR
HO CHI MINH CITY
WATER ENVIRONMENT IMPROVEMENT

THE DETAILED DESIGN ON HO CHI MINH CITY
WATER ENVIRONMENT IMPROVEMENT PROJECT
IN THE SOCIALIST REPUBLIC OF VIET NAM

PLAN AND LONGITUDINAL SURVEY OF
CONVEYANCE SEWER ROUTE (2)

SCALE : H : 1 / 500
V : 1 / 100

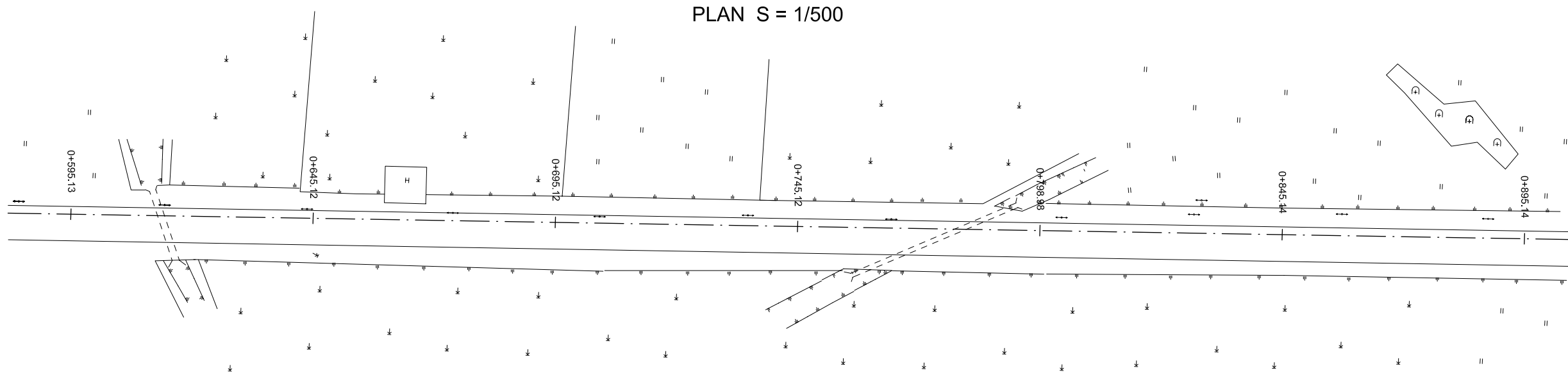
JICA JAPAN INTERNATIONAL COOPERATION
AGENCY (JICA)

PACIFIC CONSULTANTS INTERNATIONAL

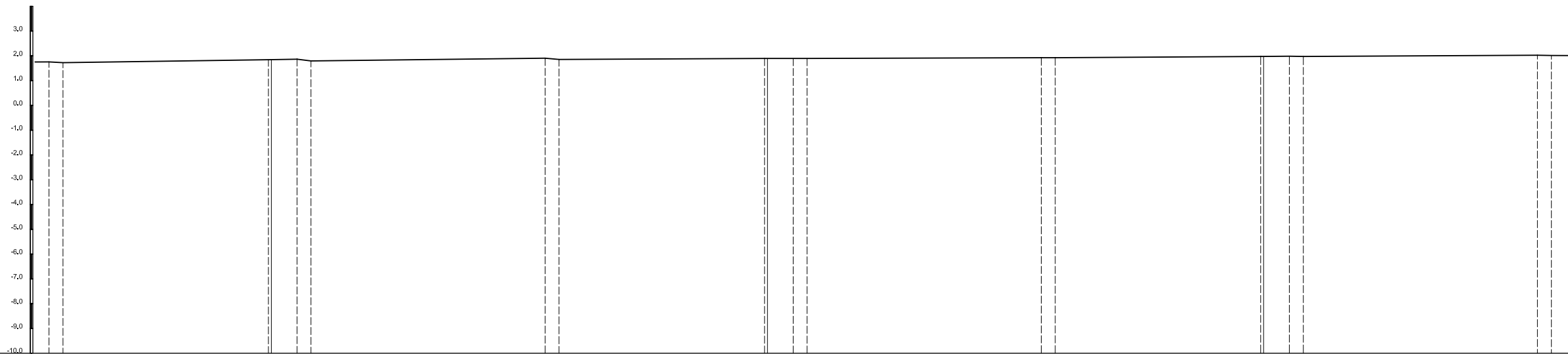
DESIGNED CHECKED

DATE : DWG. No.

PLAN S = 1/500

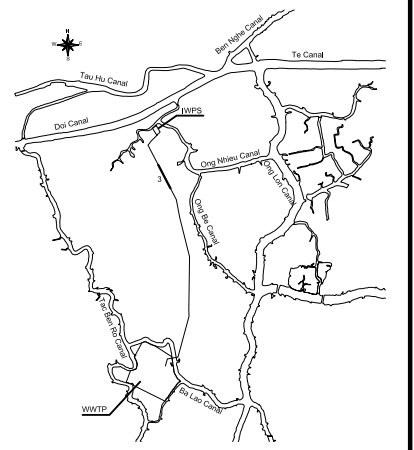


PROFILE $S_H = 1/500, S_V = 1/100$



Manhole Number	
Dimension (m)	
Gradient (%)	
Length (m)	
Design Ground Elevation (m)	
Existing Ground Elevation (m)	1.76, 1.73, 1.66, 1.67, 1.69, 1.91, 1.86, 1.90, 1.90, 1.93, 1.93, 1.98, 1.99, 1.99, 2.03, 2.02
Earth Covering (m)	
Invert Elevation (m)	
Total Accumulation Length (m)	595.32, 595.13, 637.13, 642.32, 645.12, 692.32, 695.12, 737.13, 742.32, 745.12, 792.32, 795.13, 837.13, 842.32, 845.14, 892.32, 895.14

KEY MAP
(Scale: 1/50000)



NO.	DATE	DESCRIPTIONS	BY	APPRO.
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REVISIONS

PROJECT MANAGEMENT UNIT FOR
HO CHI MINH CITY
WATER ENVIRONMENT IMPROVEMENT

THE DETAILED DESIGN ON HO CHI MINH CITY
WATER ENVIRONMENT IMPROVEMENT PROJECT
IN THE SOCIALIST REPUBLIC OF VIET NAM

PLAN AND LONGITUDINAL SURVEY OF
CONVEYANCE SEWER ROUTE (3)

SCALE : H : 1 / 500
V : 1 / 100

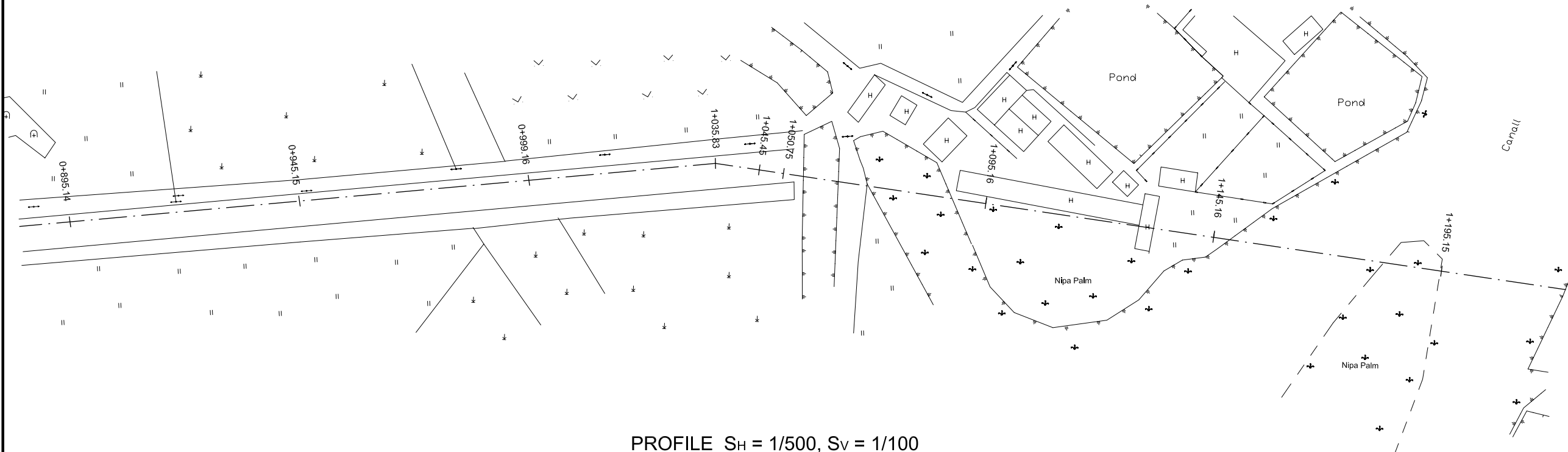
JICA JAPAN INTERNATIONAL COOPERATION
AGENCY (JICA)

PACIFIC CONSULTANTS INTERNATIONAL

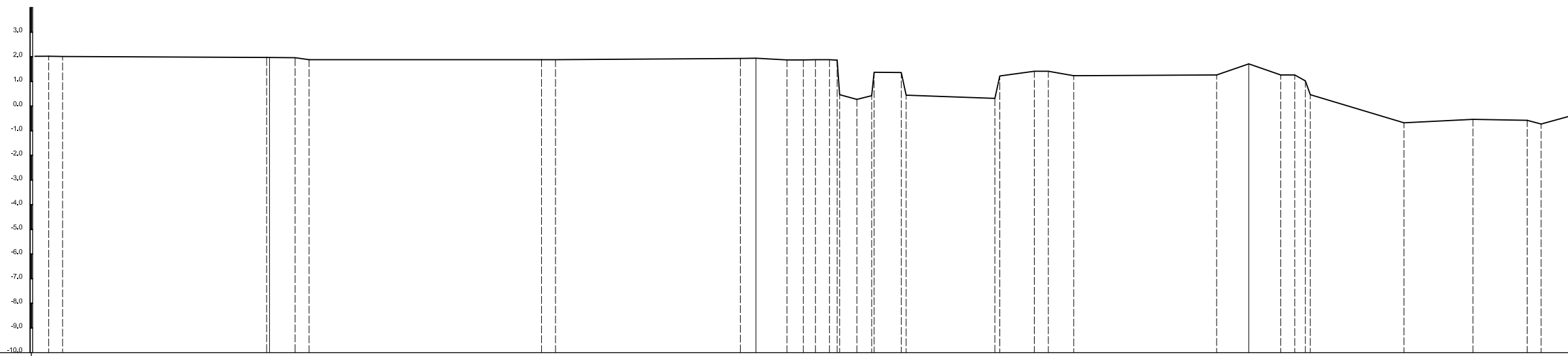
DESIGNED CHECKED

DATE : DWG. No.

PLAN S = 1/500

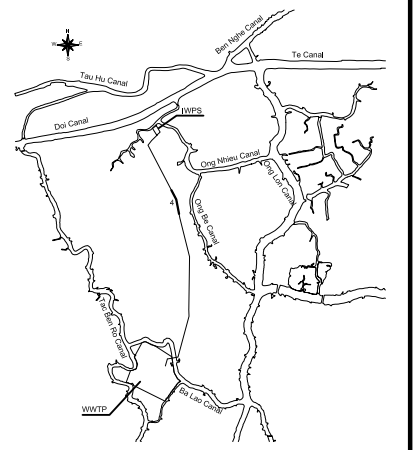


PROFILE S_H = 1/500, S_V = 1/100



Manhole Number	
Dimension (m)	
Gradient (%)	
Length (m)	
Design Ground Elevation (m)	
Existing Ground Elevation (m)	2.03, 2.02, 1.86, 1.97, 1.89, 1.89, 1.89, 1.94, 1.95, 1.86, 1.88, 1.88, 1.89, 1.89, 1.87, 1.87, 0.28, 0.43, 1.38, 1.37, 0.45, 0.32, 1.23, 1.42, 1.42, 1.24, 1.27, 1.72, 1.27, 1.27, 1.03, 0.47, -0.67, -0.53, -0.57, -0.72
Earth Covering (m)	
Invert Elevation (m)	
Total Accumulation Length (m)	892.32, 895.14, 897.13, 897.13, 942.32, 945.15, 992.22, 995.16, 1032.67, 1035.63, 1042.12, 1046.45, 1047.50, 1047.50, 1050.75, 1052.31, 1052.31, 1056.31, 1056.31, 1056.31, 1056.31, 1056.31, 1084.31, 1085.31, 1092.31, 1095.16, 1100.31, 1120.31, 1136.63, 1142.31, 1145.16, 1147.31, 1148.31, 1167.31, 1181.31, 1192.31, 1195.15

KEY MAP
(Scale: 1/50000)



NO.	DATE	DESCRIPTIONS	BY	APRO.
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REVISIONS

PROJECT MANAGEMENT UNIT FOR
HO CHI MINH CITY
WATER ENVIRONMENT IMPROVEMENT

THE DETAILED DESIGN ON HO CHI MINH CITY
WATER ENVIRONMENT IMPROVEMENT PROJECT
IN THE SOCIALIST REPUBLIC OF VIET NAM

PLAN AND LONGITUDINAL SURVEY OF
CONVEYANCE SEWER ROUTE (4)

SCALE : H : 1 / 500
V : 1 / 100

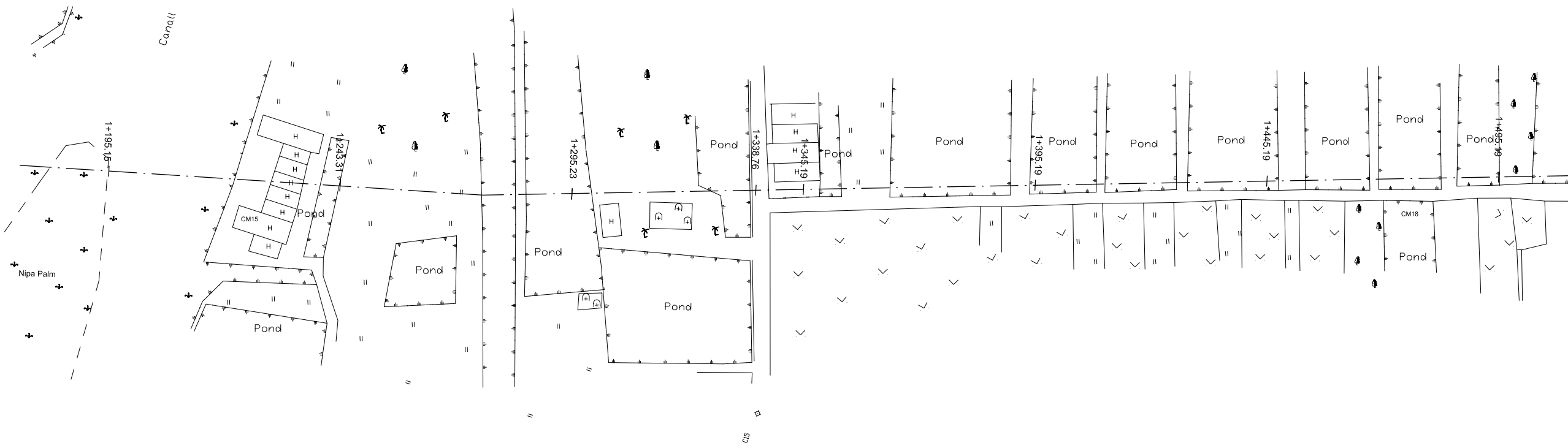
JICA JAPAN INTERNATIONAL COOPERATION
AGENCY (JICA)

PACIFIC CONSULTANTS INTERNATIONAL

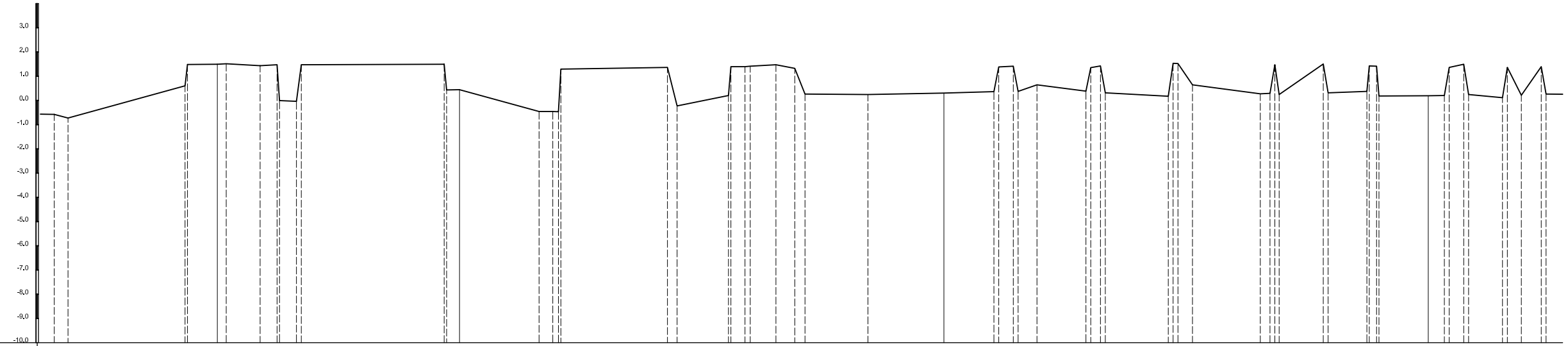
DESIGNED CHECKED

DATE : DWG. No.

PLAN S = 1/500

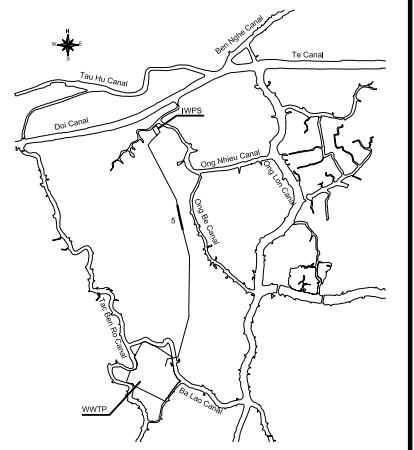


PROFILE S_H = 1/500, S_V = 1/100



Manhole Number	Dimension (m)	Gradient (%)	Length (m)
1192.31			
1195.15			
1215.31	0.65		
1216.51	1.45		
1225.98	1.50		
1227.81	1.52		
1234.81	1.44		
1235.31	0.65		
1236.31	0.00		
1242.31	-0.03		
1243.31	1.48		
1275.81	1.50		
1275.98	0.45		
1282.40	-0.45		
1283.30	-0.45		
1286.50	1.30		
1315.00	1.37		
1320.00	-0.22		
1331.50	0.21		
1332.00	1.40		
1334.91	1.40		
1335.00	1.42		
1341.30	1.48		
1345.19	1.33		
1347.30	0.27		
1360.30	0.25		
1375.06	0.31		
1385.30	0.37		
1387.30	1.35		
1390.30	0.58		
1392.30	0.58		
1395.19	0.65		
1405.30	0.38		
1406.30	1.43		
1408.30	0.52		
1422.30	0.18		
1423.30	1.55		
1424.30	0.65		
1427.30	0.65		
1441.30	0.28		
1443.30	0.30		
1444.30	0.58		
1445.30	0.58		
1454.30	1.51		
1455.30	0.32		
1463.30	0.38		
1465.30	1.42		
1465.50	0.19		
1475.06	0.20		
1475.30	0.21		
1480.30	1.37		
1483.30	0.50		
1484.30	0.23		
1491.30	1.37		
1492.30	0.22		
1495.19	1.49		
1498.30	0.29		
1500.30	0.29		

KEY MAP
(Scale: 1/50000)



NO.	DATE	DESCRIPTIONS	BY	APRO.
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REVISIONS

PROJECT MANAGEMENT UNIT FOR
HO CHI MINH CITY
WATER ENVIRONMENT IMPROVEMENT

THE DETAILED DESIGN ON HO CHI MINH CITY
WATER ENVIRONMENT IMPROVEMENT PROJECT
IN THE SOCIALIST REPUBLIC OF VIET NAM

PLAN AND LONGITUDINAL SURVEY OF
CONVEYANCE SEWER ROUTE (5)

SCALE : H : 1 / 500
V : 1 / 100

JICA JAPAN INTERNATIONAL COOPERATION
AGENCY (JICA)

PACIFIC CONSULTANTS INTERNATIONAL

DESIGNED CHECKED

DATE : DWG. No.