

NO.	DATE	DESCRIPTIONS	BY	APPRO.

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

CROSS SECTION SURVEY OF EXISTING COMBINED SEWER ROUTE (1)

SCALE : 1 / 100

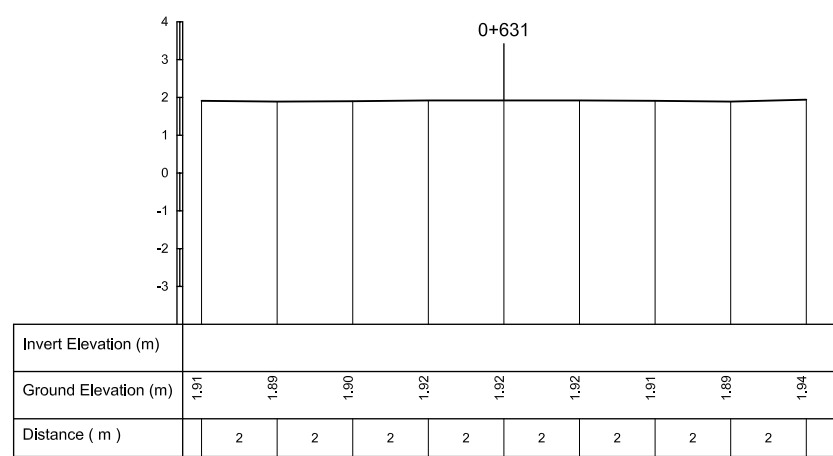
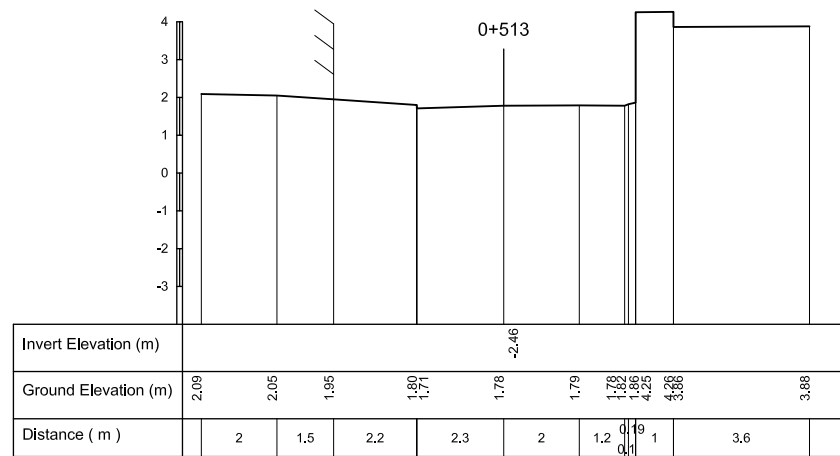
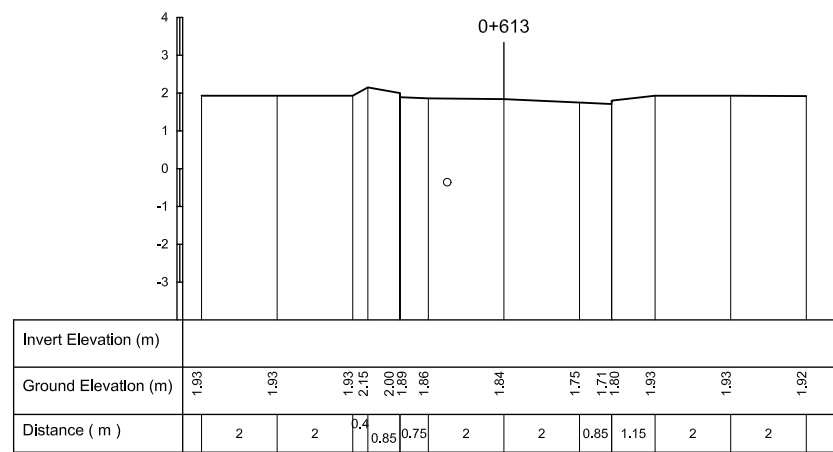
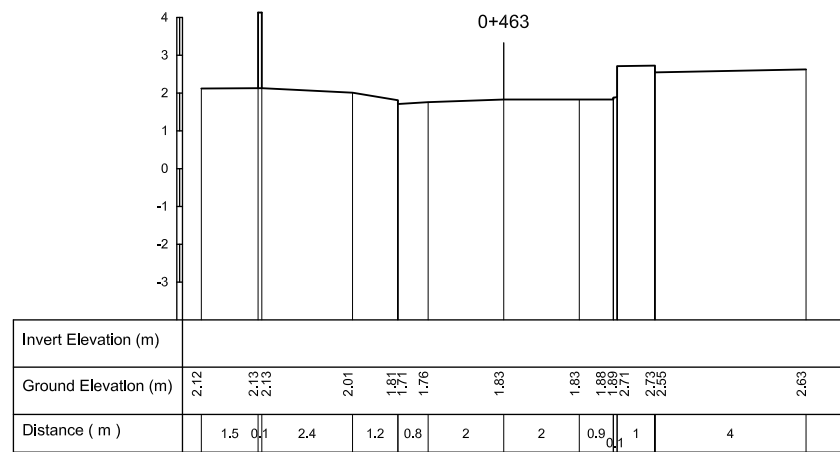
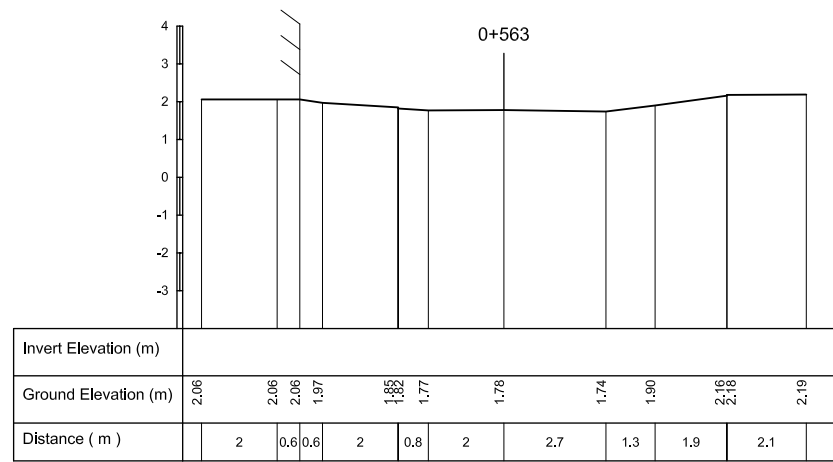
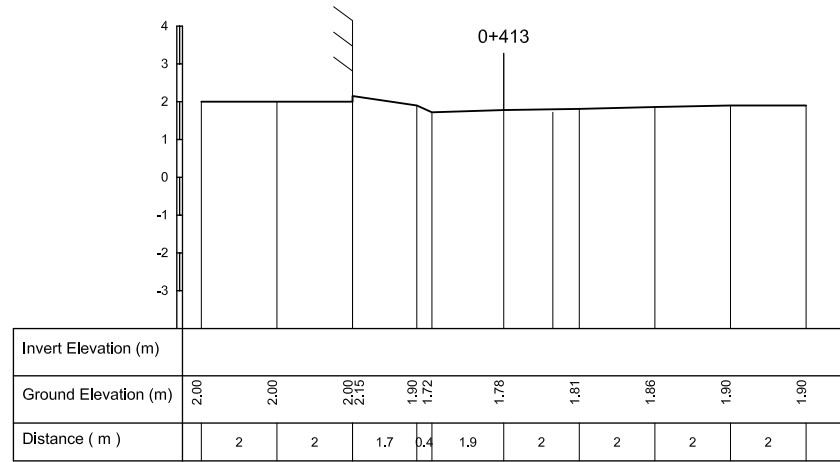
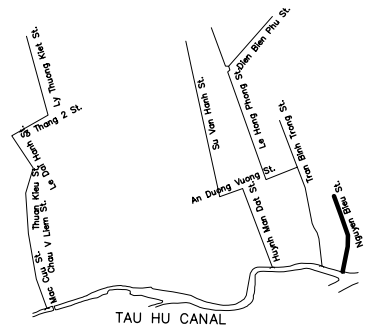
JICA JAPAN INTERNATIONAL COOPERATION
AGENCY (JICA)

PACIFIC CONSULTANTS INTERNATIONAL

DESIGNED _____ CHECKED _____

DATE : _____ DWG. No. _____

KEYMAP



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CROSS SECTION SURVEY OF
EXISTING COMBINED SEWER
ROUTE (2)

SCALE : 1 / 100

JICA JAPAN INTERNATIONAL COOPERATION
AGENCY (JICA)

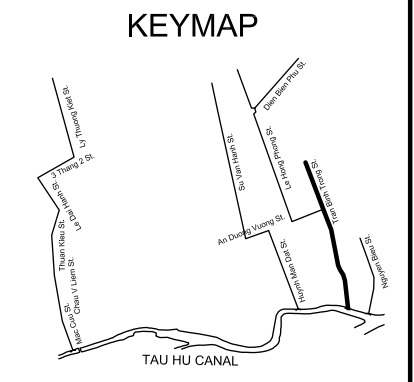
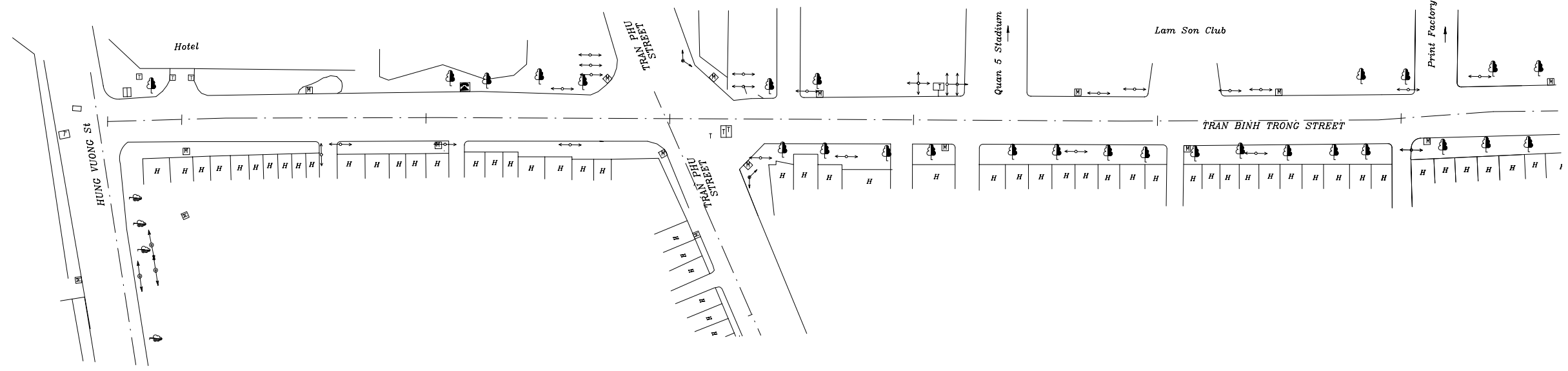
PACIFIC CONSULTANTS INTERNATIONAL

DESIGNED CHECKED

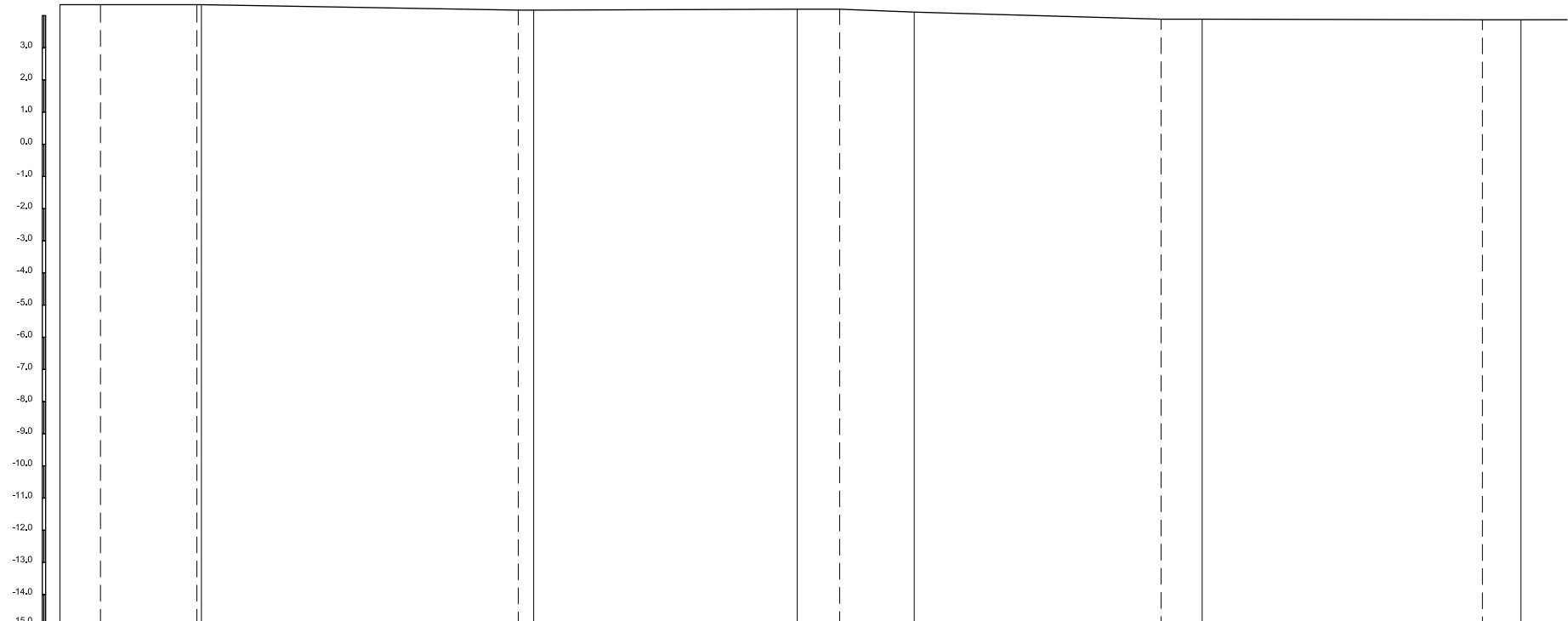
DATE : DWG. No.

**TRAN BINH TRONG
STREET**

PLAN S = 1/500



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



Manhole Number												
Diameter (mm)												
Gradient (‰)												
Length (m)												
Existing Ground Elevation (m)	4.34	4.34	4.34	4.17	4.17	4.20	4.20	4.11	3.89	3.89	3.87	3.87
Earth Covering (m)												
Invert Elevation (m)												
Total Accumulation Length (m)	0.0	6.3	22.0	71.3	78.7	114.7	121.3	132.9	171.3	177.7	221.3	227.3

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PLAN AND LONGITUDINAL
SURVEY OF EXISTING
COMBINED SEWER ROUTE (1)

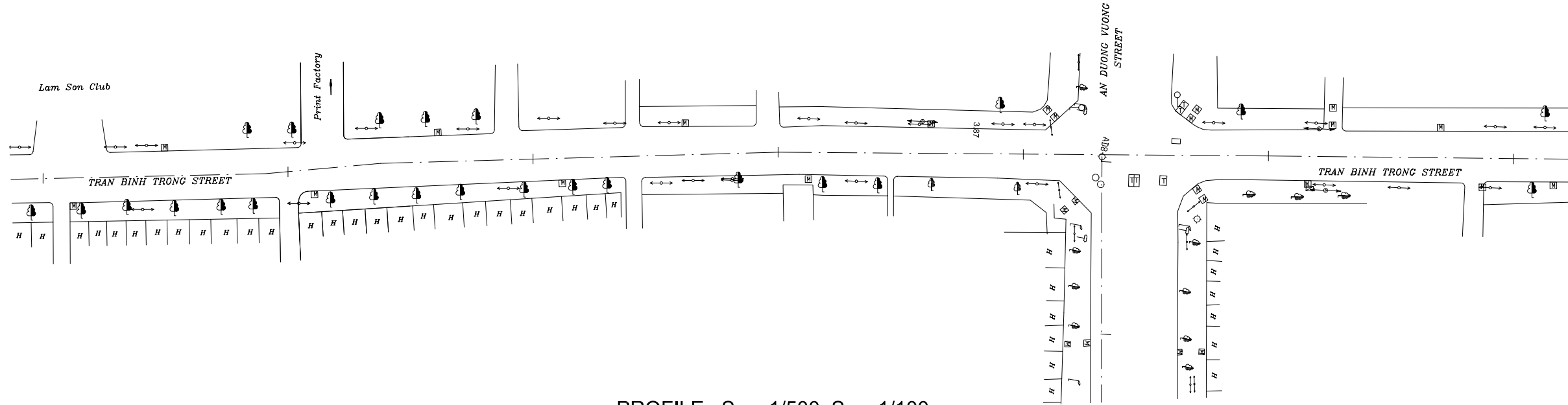
SCALE : As Shown

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

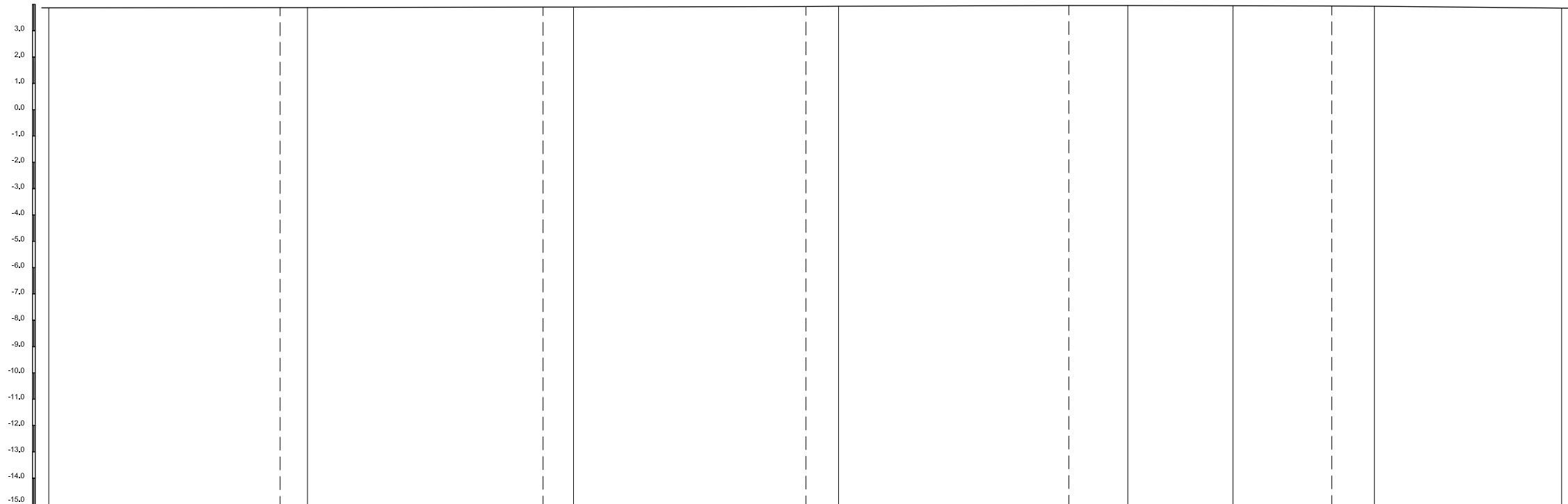
PACIFIC CONSULTANTS INTERNATIONAL

DESIGNED	CHECKED
DATE :	DWG. No.

PLAN S = 1/500

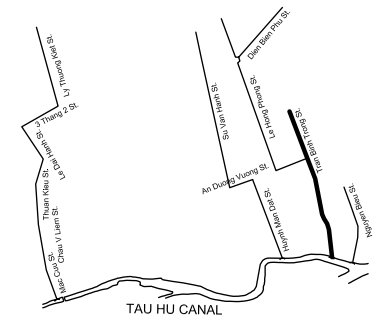


PROFILE S_H = 1/500, S_V = 1/100



Manhole Number																				
Diameter (mm)																				
Gradient (‰)																				
Length (m)																				
Existing Ground Elevation (m)	3.87	3.88	3.88	3.90	3.90	3.92	3.93	3.96	3.96	3.95	3.94	3.93	3.86							
Earth Covering (m)																				
Invert Elevation (m)																				
Total Accumulation Length (m)	227.3	271.3	276.5	321.3	327.1	371.3	377.5	421.3	432.5	452.5	471.3	479.4	515.0							

KEYMAP



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**PLAN AND LONGITUDINAL
SURVEY OF EXISTING
COMBINED SEWER ROUTE (2)**

SCALE : As Shown

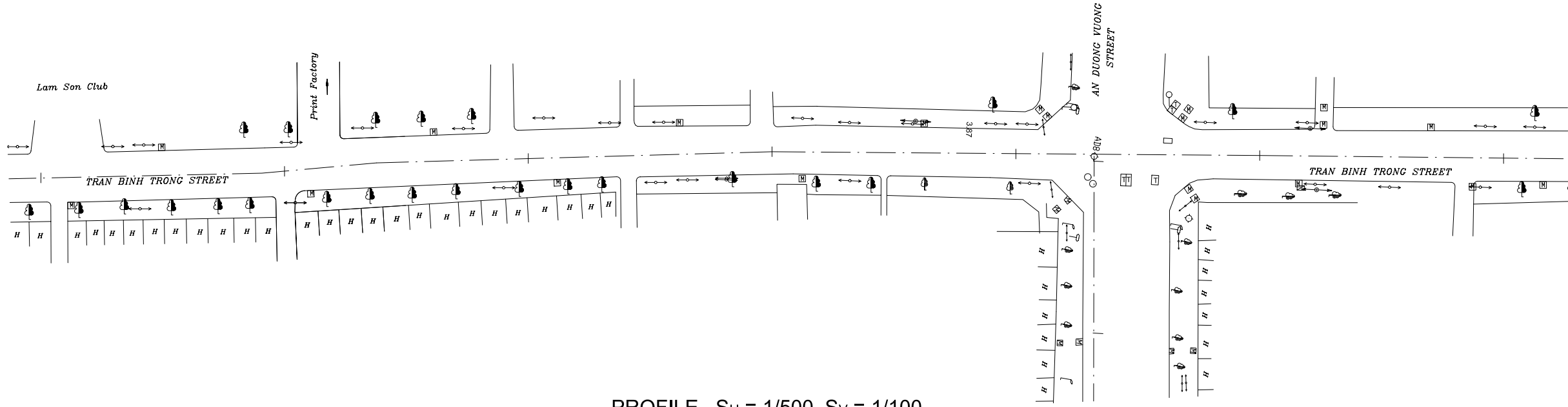
JAPAN INTERNATIONAL COOPERATION
AGENCY (JICA)

PACIFIC CONSULTANTS INTERNATIONAL

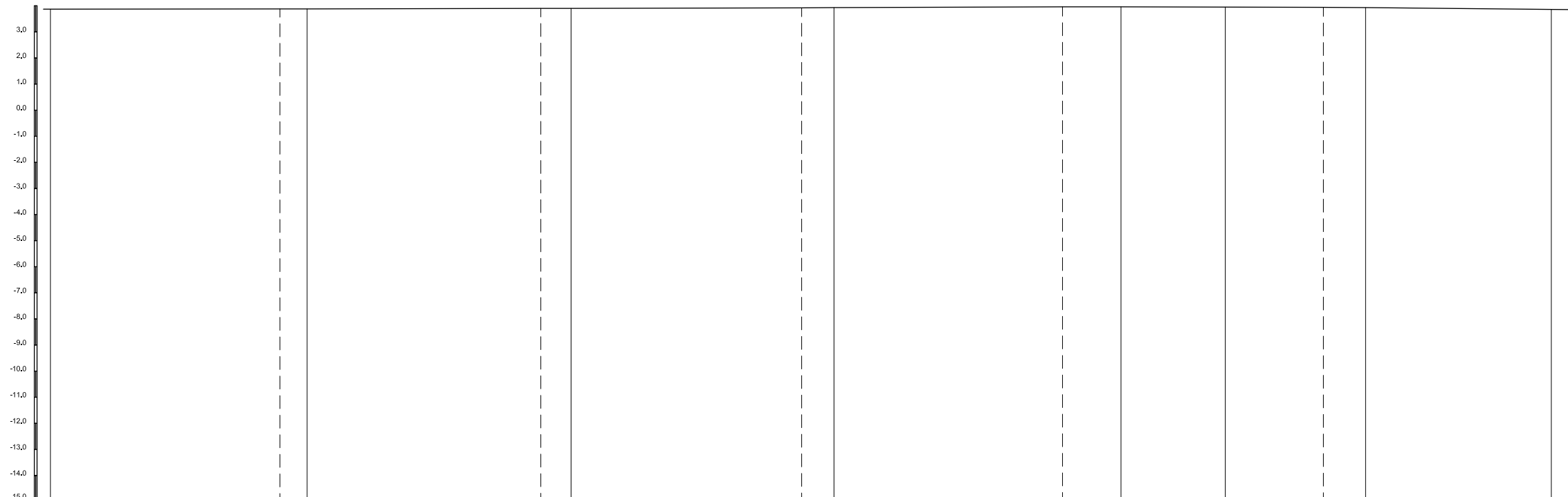
DESIGNED _____ CHECKED _____

DATE : _____ DWG. No. _____

PLAN S = 1/500

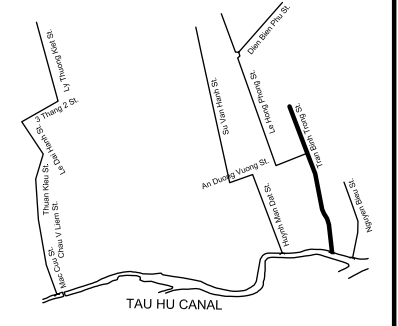


PROFILE S_H = 1/500, S_V = 1/100



Manhole Number																				
Diameter (mm)																				
Gradient (‰)																				
Length (m)																				
Existing Ground Elevation (m)	3.87	3.88	3.88	3.90	3.90	3.92	3.93	3.96	3.96	3.95	3.94	3.93	3.86							
Earth Covering (m)																				
Invert Elevation (m)																				
Total Accumulation Length (m)	227.3	271.3	276.5	321.3	327.1	371.3	377.5	421.3	432.5	452.5	471.3	479.4	515.0							

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**PLAN AND LONGITUDINAL
SURVEY OF EXISTING
COMBINED SEWER ROUTE (2)**

SCALE : As Shown

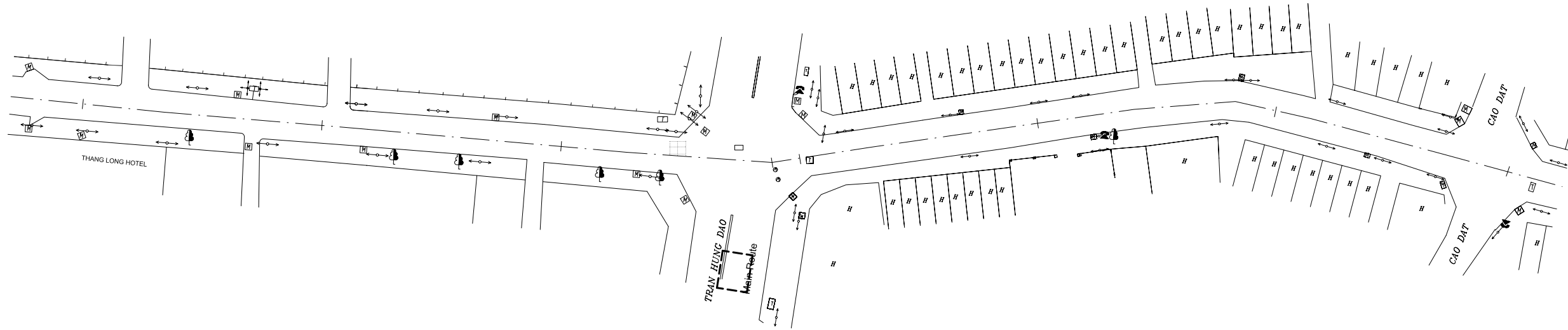
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

PACIFIC CONSULTANTS INTERNATIONAL

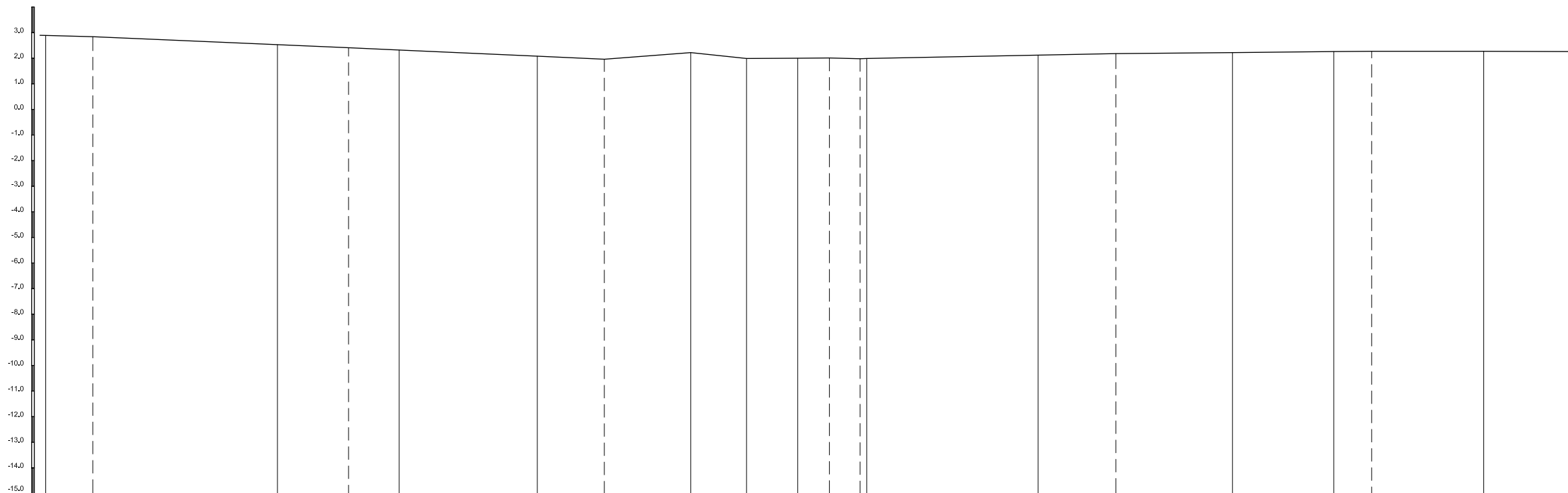
DESIGNED _____ CHECKED _____

DATE : _____ DWG. No. _____

PLAN S = 1/500

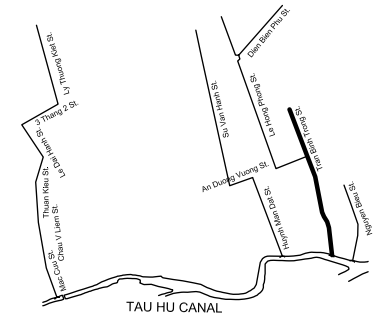


PROFILE S_H = 1/500, S_V = 1/100



Manhole Number																							
Diameter (mm)																							
Gradient (‰)																							
Length (m)																							
Existing Ground Elevation (m)	2.89	2.84		2.53	2.41	2.32		2.08	1.96	2.22	1.99	2.00	2.01	1.98	1.99		2.12	2.18	2.22	2.26	2.27	2.27	2.26
Earth Covering (m)																							
Invert Elevation (m)																							
Total Accumulation Length (m)	812.1	821.3		857.4	871.3	881.2		908.2	921.3	938.2	949.1	959.1	965.3	971.3	972.6		1006.1	1021.3	1044.1	1063.9	1071.3	1093.2	1110.2

KEYMAP



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PLAN AND LONGITUDINAL
SURVEY OF EXISTING
COMBINED SEWER ROUTE (4)

SCALE : As Shown

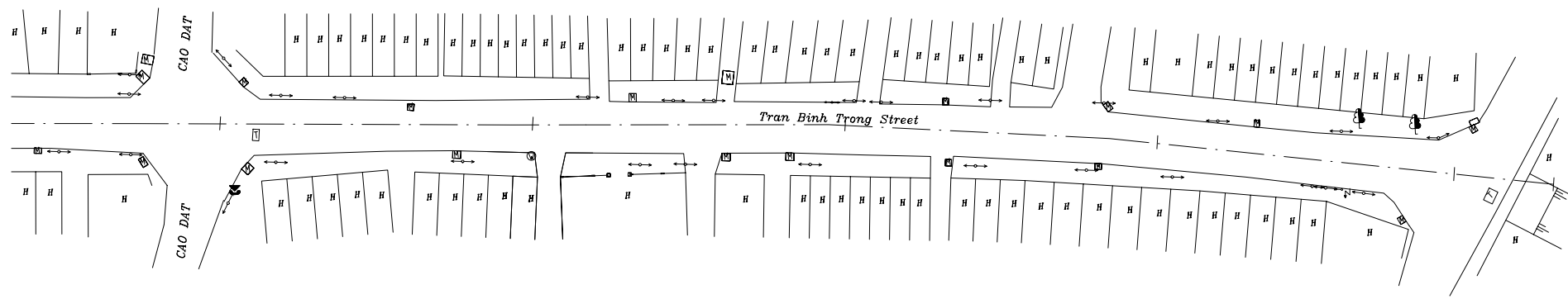
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AGENCY (JICA)

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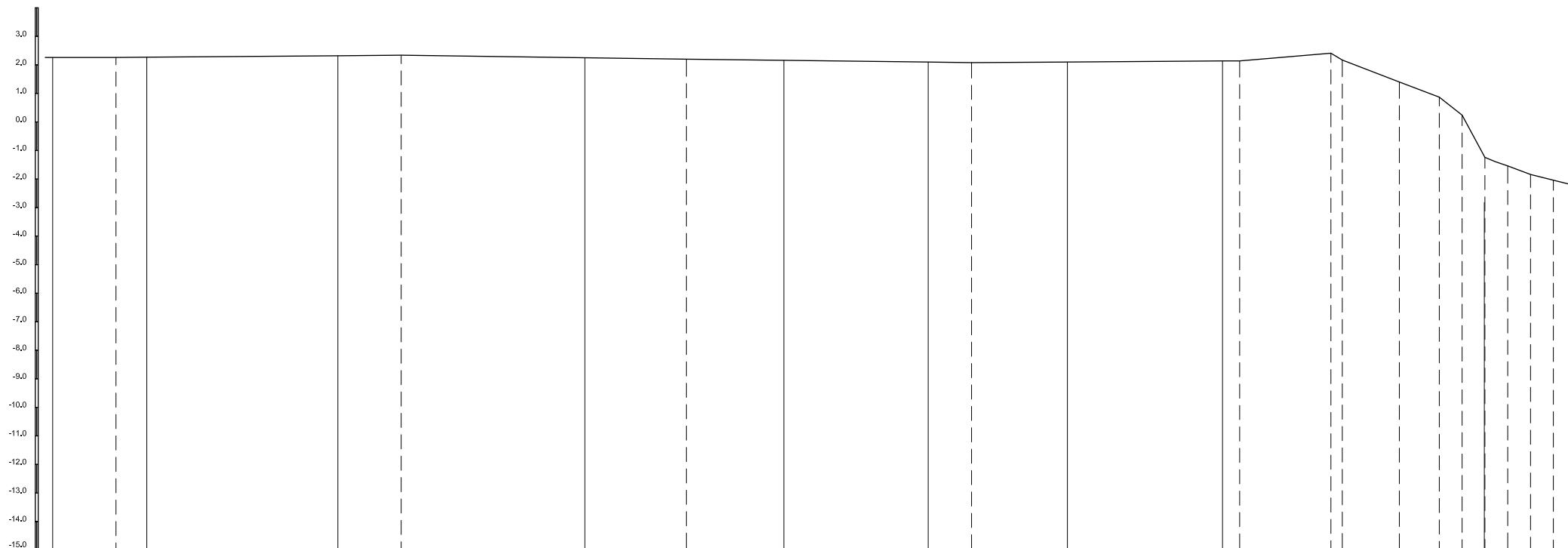
DESIGNED CHECKED

DATE : DWG. No.

PLAN S = 1/500

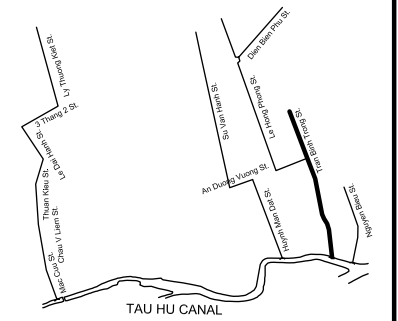


PROFILE S_H = 1/500, S_V = 1/100



Manhole Number																																
Diameter (mm)																																
Gradient (‰)																																
Length (m)																																
Existing Ground Elevation (m)	2.26	2.26	2.27		2.32	2.34		2.25	2.20		2.16		2.10	2.08	2.10		2.14	2.14	2.41	2.17	1.40	0.87	0.24	-1.20	-1.24	-1.54	-1.84	-2.04	-2.24			
Earth Covering (m)																																
Invert Elevation (m)																																
Total Accumulation Length (m)	1110.2	1121.3	1126.7		1160.2	1171.3		1203.5	1221.3		1238.4		1263.7	1271.3	1288.1		1315.3	1321.3	1337.3	1339.3	1349.3	1356.3	1360.3	1361.2	1364.3	1368.3	1372.3	1376.3	1380.3			

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PLAN AND LONGITUDINAL
SURVEY OF EXISTING
COMBINED SEWER ROUTE (5)

SCALE : As Shown

JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

PACIFIC CONSULTANTS INTERNATIONAL

DESIGNED CHECKED

DATE : DWG. No.