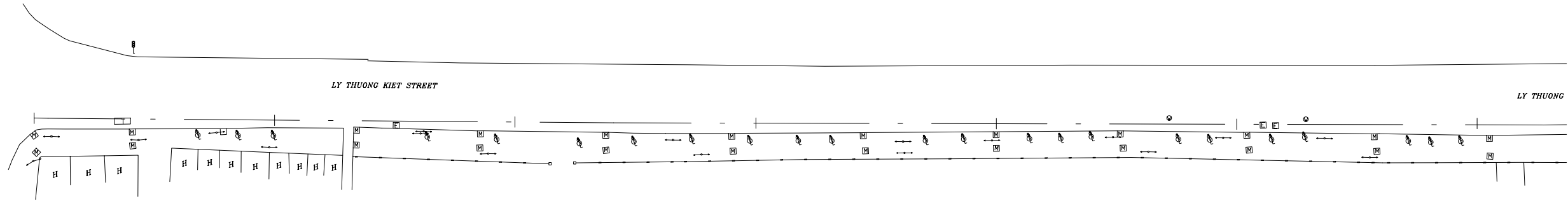
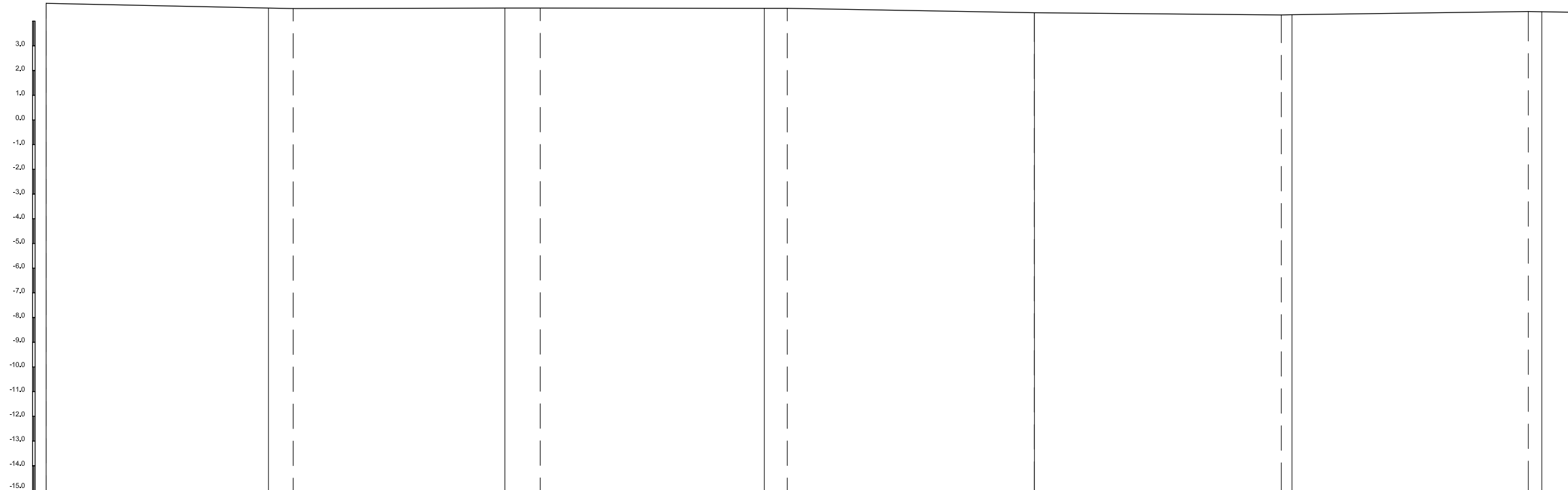


**LY THUONG KIET
STREET**

PLAN S = 1/500

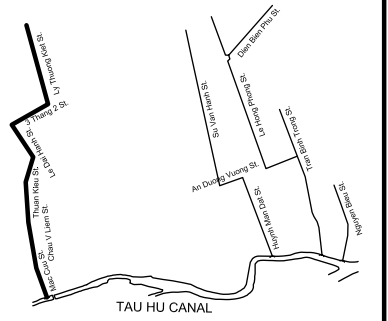


PROFILE S_H = 1/500, S_V = 1/100



Manhole Number												
Diameter (mm)												
Gradient (‰)												
Length (m)												
Existing Ground Elevation (m)	4.72	4.53	4.51	4.53	4.53	4.52	4.52	4.34	4.25	4.39	4.38	
Earth Covering (m)												
Invert Elevation (m)												
Total Accumulation Length (m)	0.0	45.0	50.0	92.9	100.0	145.4	150.0	200.0	250.0	252.2	300.0	302.7

KEYMAP



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 EXISTING
COMBINED SEWER ROUTE (1)

SCALE : As Shown

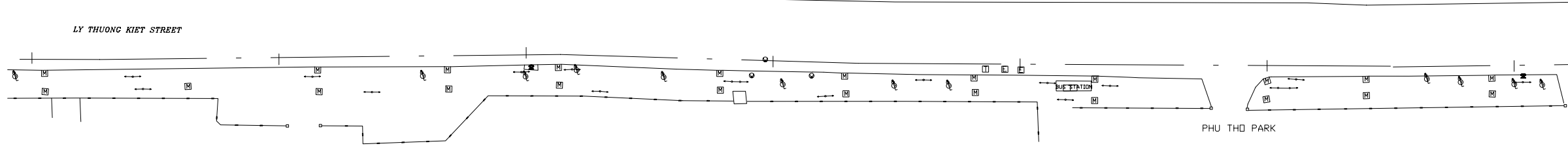
JICA JAPAN INTERNATIONAL COOPERATION
AGENCY (JICA)

PACIFIC CONSULTANTS INTERNATIONAL

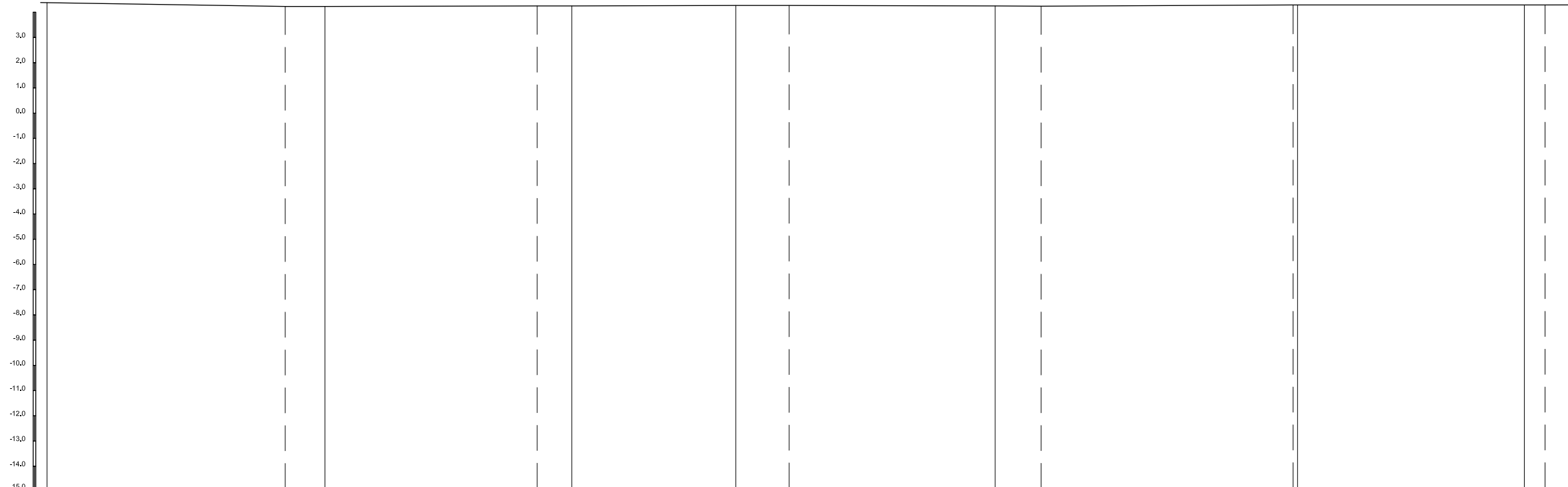
DESIGNED CHECKED

DATE : DWG. No.

PLAN S = 1/500

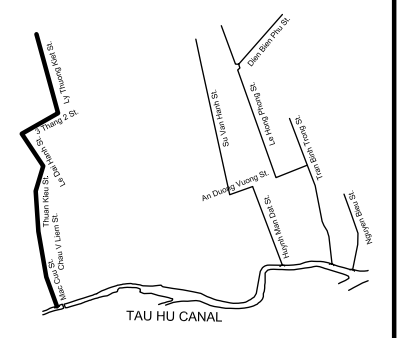


PROFILE S_H = 1/500, S_V = 1/100



Manhole Number													
Diameter (mm)													
Gradient (‰)													
Length (m)													
Existing Ground Elevation (m)	4.38	4.23	4.23	4.25	4.25	4.27	4.27	4.25	4.24	4.28	4.29	4.29	
Earth Covering (m)													
Invert Elevation (m)													
Total Accumulation Length (m)	302.7	350.0	357.9	400.0	406.9	439.4	450.0	480.9	500.0	550.0	556.9	595.9	600.0

KEYMAP



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 EXISTING
COMBINED SEWER ROUTE (2)

SCALE : As Shown

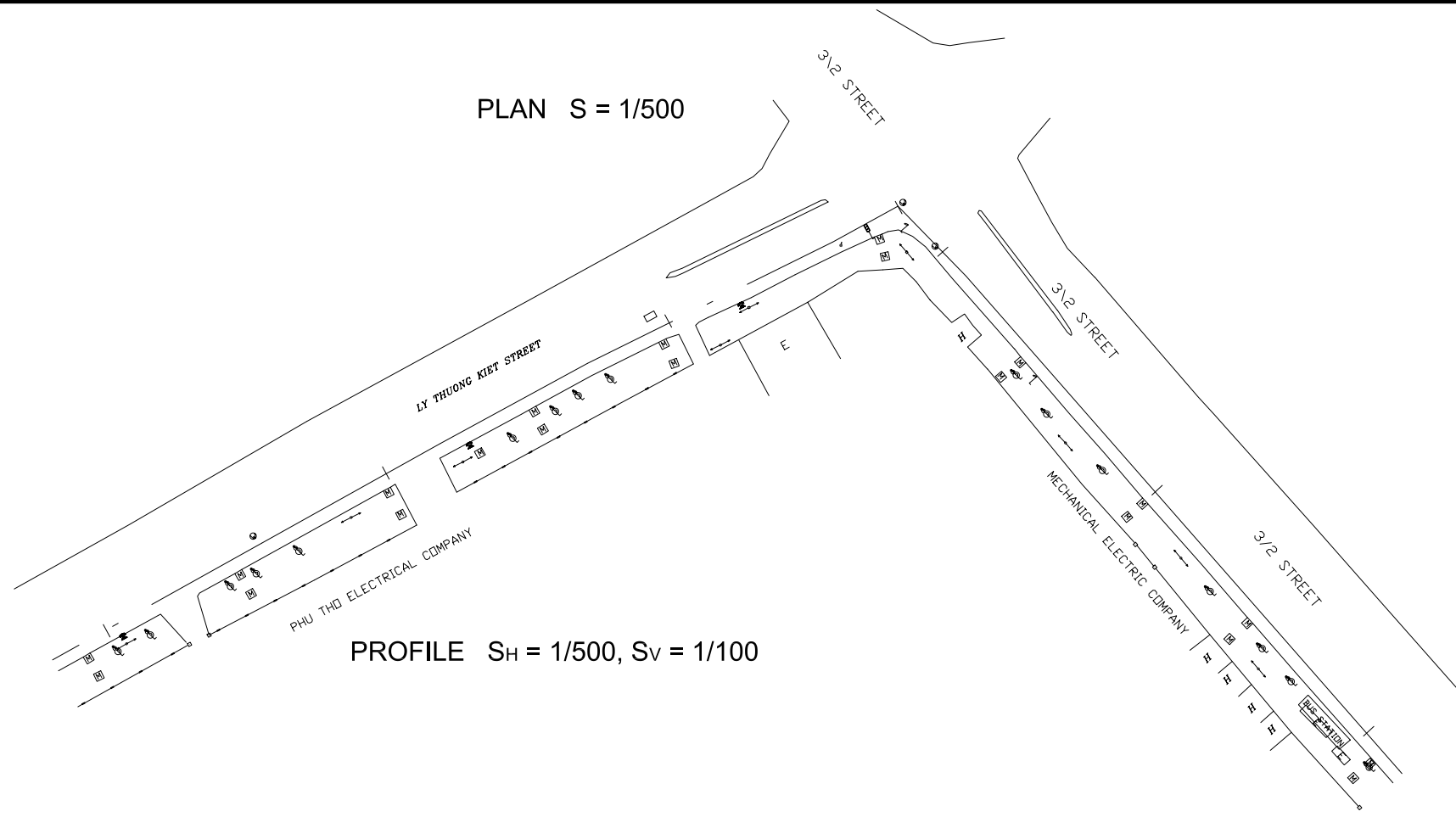
JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

PACIFIC CONSULTANTS INTERNATIONAL

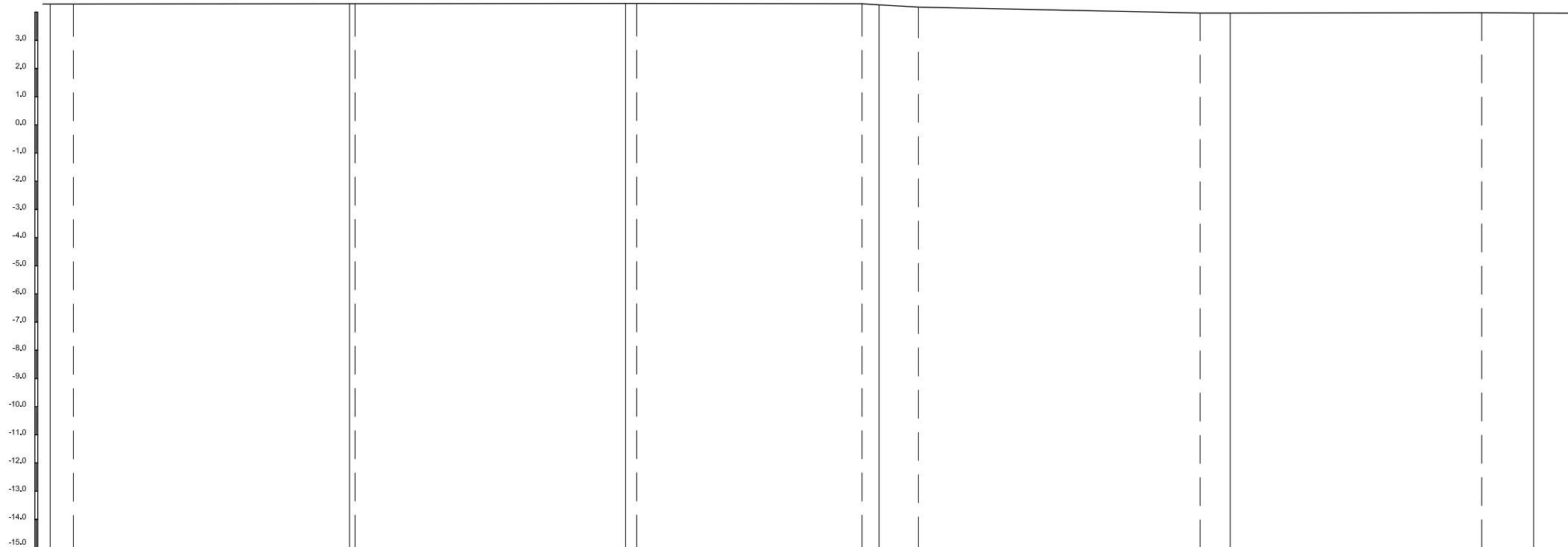
DESIGNED CHECKED

DATE : DWG. No.

PLAN S = 1/500

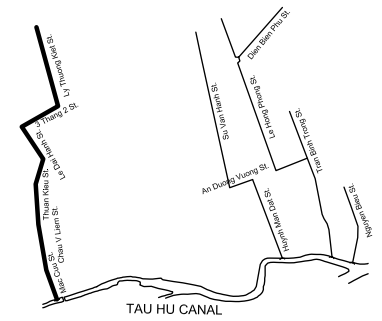


PROFILE S_H = 1/500, S_V = 1/100



Manhole Number									
Diameter (mm)									
Gradient (‰)									
Length (m)									
Existing Ground Elevation (m)	4.29 4.29	4.30 4.30	4.31 4.31	4.30 4.26	4.18	3.97 3.97	3.98 3.97		
Earth Covering (m)									
Invert Elevation (m)									
Total Accumulation Length (m)	595.9 600.0	649.0 650.0	698.0 700.0	740.0 743.0	750.0	800.0 805.4	850.0 859.2		

KEYMAP



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 EXISTING
COMBINED SEWER ROUTE (3)

SCALE : As Shown

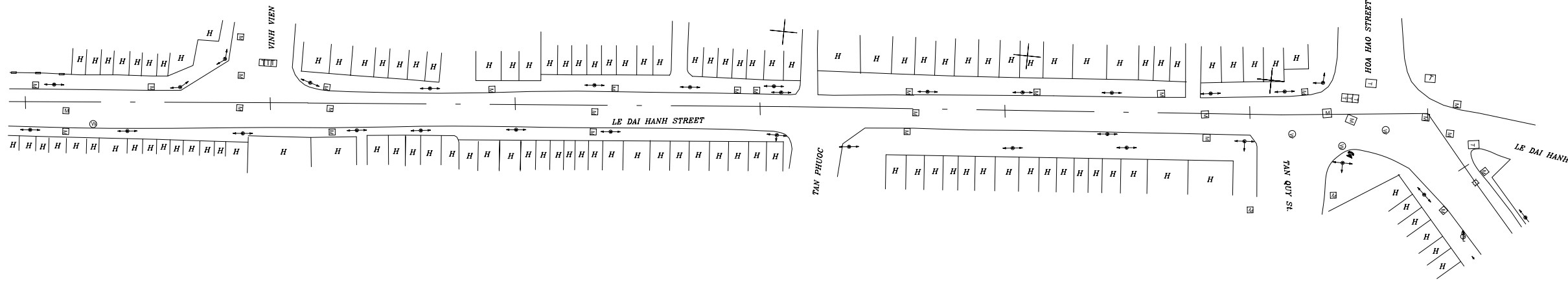
JICA JAPAN INTERNATIONAL COOPERATION
AGENCY (JICA)

PACIFIC CONSULTANTS INTERNATIONAL

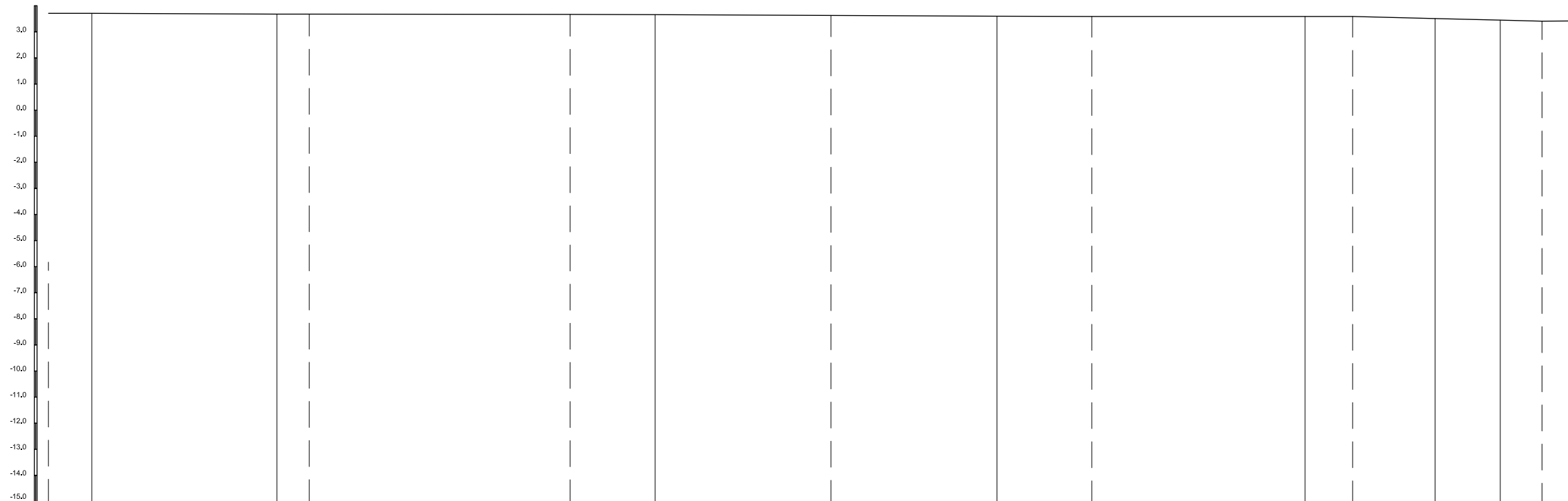
DESIGNED CHECKED

DATE : DWG. No.

PLAN S = 1/500

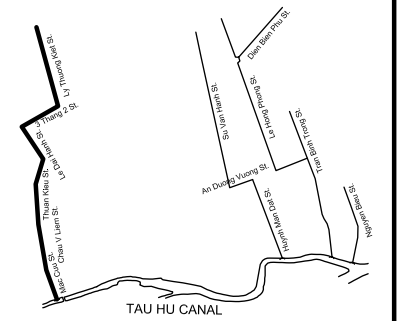


PROFILE S_H = 1/500, S_V = 1/100



Manhole Number																		
Diameter (mm)																		
Gradient (‰)																		
Length (m)																		
Existing Ground Elevation (m)	3.71	3.71	3.68	3.68	3.67	3.66	3.63	3.60	3.59	3.59	3.59	3.51	3.45	3.41				
Earth Covering (m)																		
Invert Elevation (m)																		
Total Accumulation Length (m)	1162.3	1170.6	1206.1	1212.3	1262.3	1278.6	1312.3	1344.2	1362.3	1403.2	1412.3	1428.1	1440.6	1448.6				

KEYMAP



NO.	DATE	DESCRIPTIONS	BY	APRO.

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 EXISTING
COMBINED SEWER ROUTE (5)

SCALE : As Shown

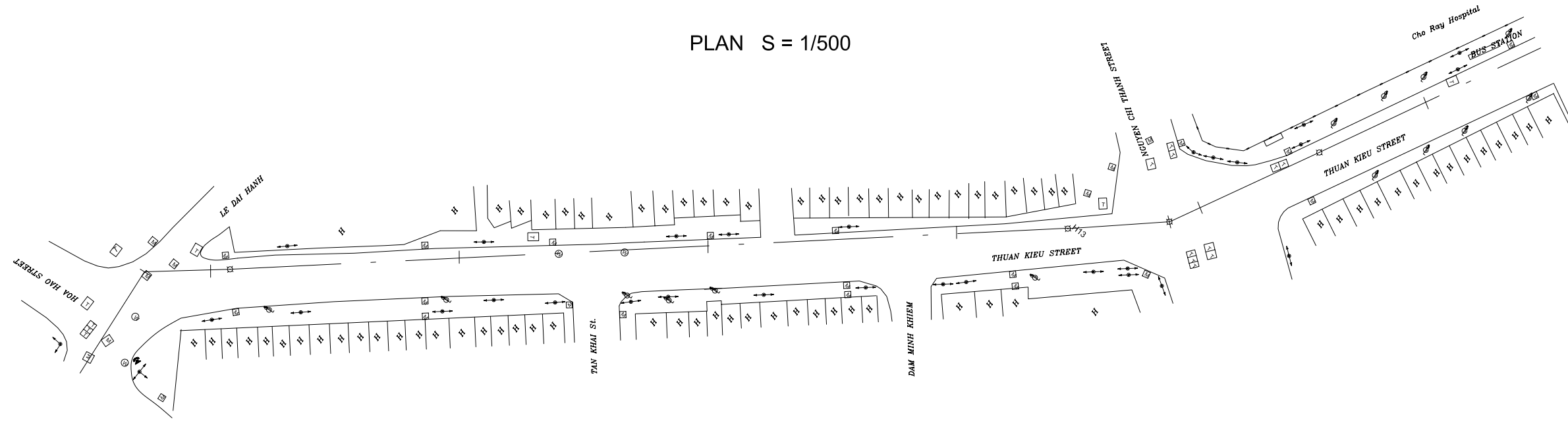
JICA JAPAN INTERNATIONAL COOPERATION
AGENCY (JICA)

PACIFIC CONSULTANTS INTERNATIONAL

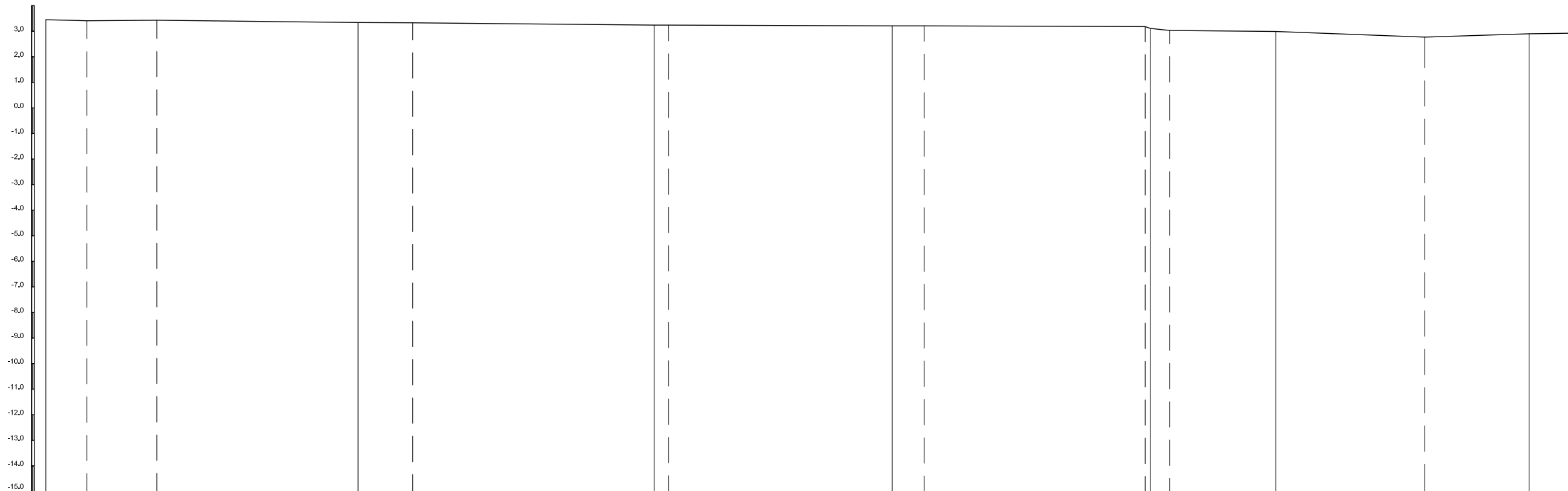
DESIGNED CHECKED

DATE : DWG. No.

PLAN S = 1/500

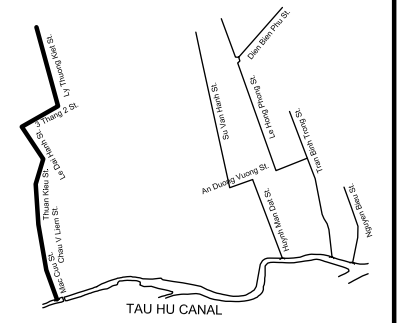


PROFILE S_H = 1/500, S_V = 1/100



Manhole Number															
Diameter (mm)															
Gradient (‰)															
Length (m)															
Existing Ground Elevation (m)	3.45	3.41	3.43	3.34	3.33	3.24	3.24	3.21	3.21	3.19	3.11	3.03	2.99	2.77	2.90
Earth Covering (m)															
Invert Elevation (m)															
Total Accumulation Length (m)	1440.6	1448.6	1462.3	1501.7	1512.3	1559.6	1562.3	1606.1	1612.3	1655.5	1656.6	1660.1	1681.1	1710.2	1730.6

KEYMAP



NO.	DATE	DESCRIPTIONS	BY	APPRO.
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REVISIONS

PROJECT MANAGEMENT UNIT FOR
HO CHI MINH CITY
WATER ENVIRONMENT IMPROVEMENT

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WATER ENVIRONMENT IMPROVEMENT PROJECT
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**PLAN AND LONGITUDINAL
SURVEY OF EXISTING
COMBINED SEWER ROUTE (6)**

SCALE : As Shown

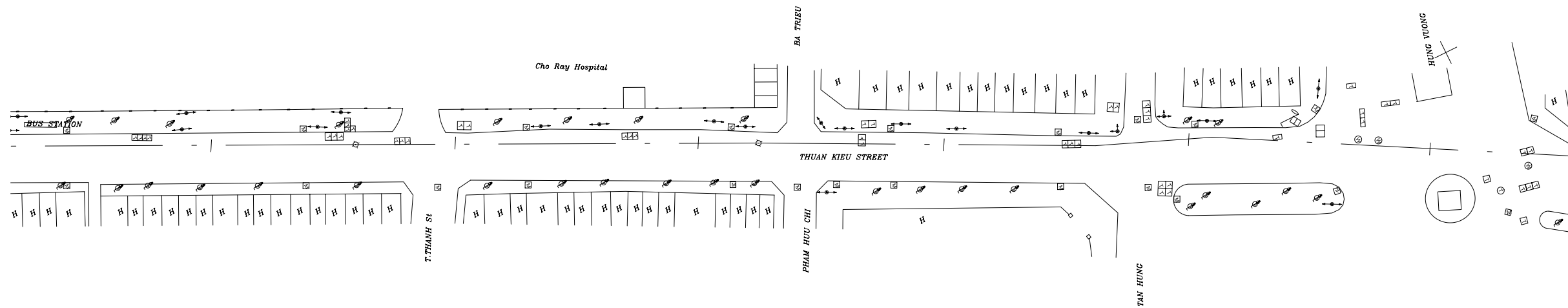
JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

PACIFIC CONSULTANTS INTERNATIONAL

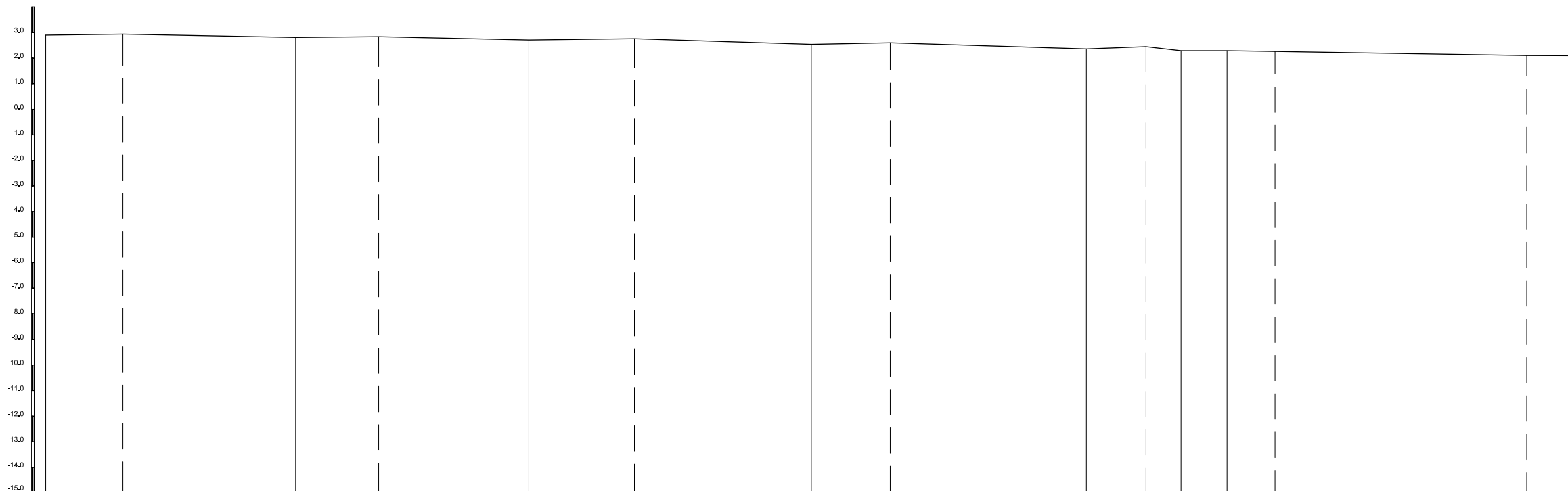
DESIGNED CHECKED

DATE : DWG. No.

PLAN S = 1/500

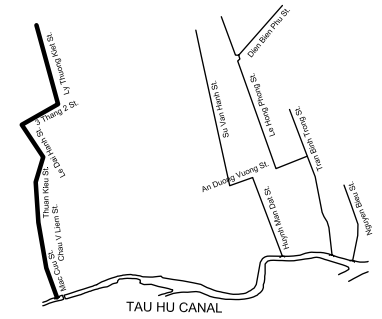


PROFILE S_H = 1/500, S_V = 1/100



Manhole Number														
Diameter (mm)														
Gradient (‰)														
Length (m)														
Existing Ground Elevation (m)	2.90	2.94	2.81	2.84	2.71	2.76	2.54	2.60	2.36	2.45	2.29	2.29	2.26	2.10
Earth Covering (m)														
Invert Elevation (m)														
Total Accumulation Length (m)	1730.6	1745.6	1779.4	1795.6	1825.0	1845.6	1880.2	1895.6	1934.0	1945.6	1952.5	1961.5	1970.9	2020.1

KEYMAP



NO.	DATE	DESCRIPTIONS	BY	APPRO.
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REVISIONS

PROJECT MANAGEMENT UNIT FOR
HO CHI MINH CITY
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THE DETAILED DESIGN ON HO CHI MINH CITY
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IN THE SOCIALIST REPUBLIC OF VIET NAM

PLAN AND LONGITUDINAL
SURVEY OF EXISTING
COMBINED SEWER ROUTE (7)

SCALE : As Shown

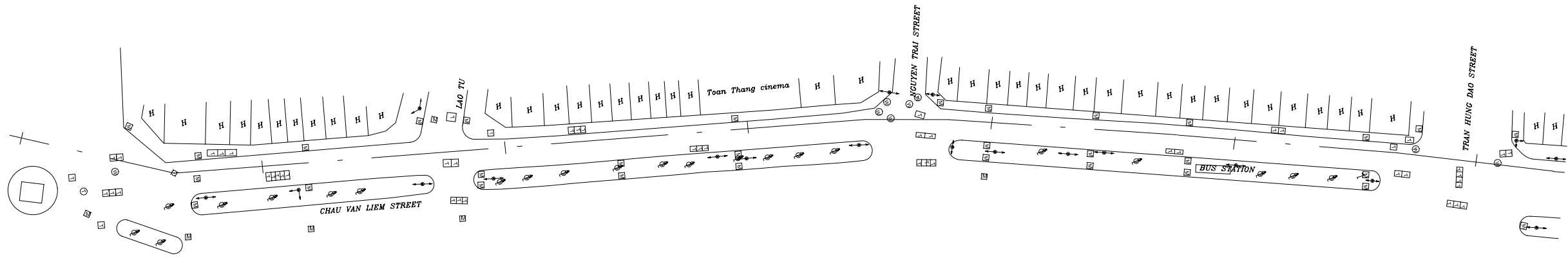
JICA JAPAN INTERNATIONAL COOPERATION
AGENCY (JICA)

PACIFIC CONSULTANTS INTERNATIONAL

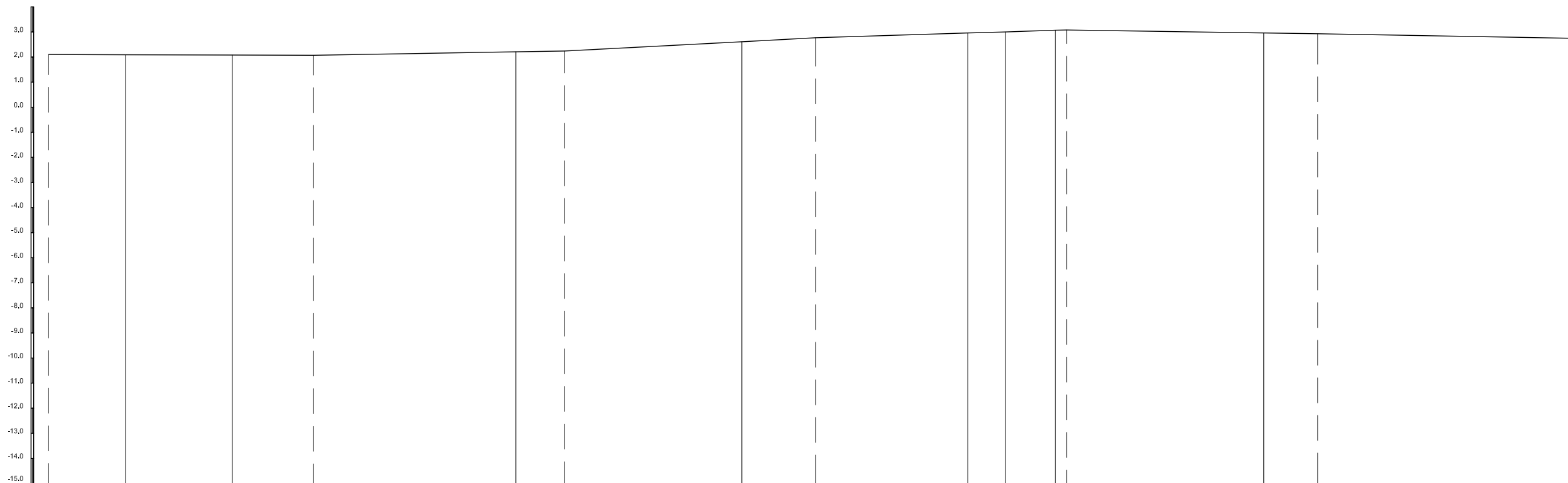
DESIGNED CHECKED

DATE : DWG. No.

PLAN S = 1/500

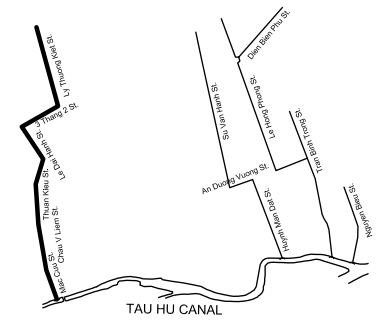


PROFILE S_H = 1/500, S_V = 1/100



Manhole Number															
Diameter (mm)															
Gradient (‰)															
Length (m)															
Existing Ground Elevation (m)	2.10	2.09	2.08	2.07	2.21	2.24	2.61	2.77	2.96	3.00	3.07	3.08	2.96	2.93	2.75
Earth Covering (m)															
Invert Elevation (m)															
Total Accumulation Length (m)	2020.1	2035.4	2056.7	2072.8	2113.2	2122.8	2158.2	2172.8	2203.2	2210.7	2220.7	2222.8	2262.1	2272.8	2322.8

KEYMAP



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
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IN THE SOCIALIST REPUBLIC OF VIET NAM

**PLAN AND LONGITUDINAL
SURVEY OF EXISTING
COMBINED SEWER ROUTE (8)**

SCALE : As Shown

JAPAN INTERNATIONAL COOPERATION
AGENCY (JICA)

PACIFIC CONSULTANTS INTERNATIONAL

DESIGNED _____ CHECKED _____

DATE : _____ DWG. No. _____