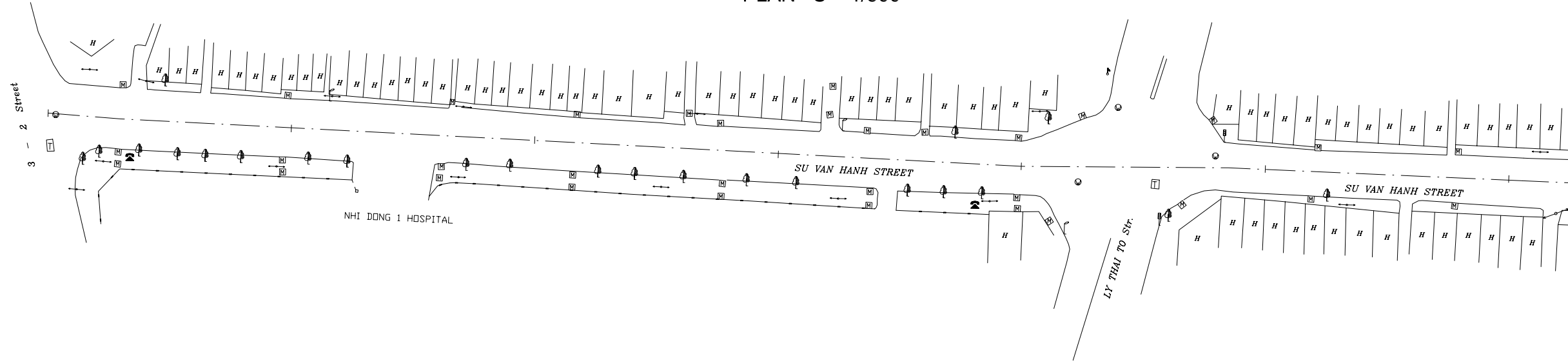


**SU VAN HANH
STREET**

PLAN S = 1/500

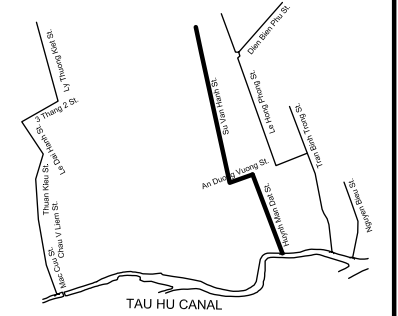


PROFILE S_H = 1/500, S_V = 1/100



Manhole Number																	
Diameter (mm)																	
Gradient (‰)																	
Length (m)																	
Existing Ground Elevation (m)	4.38	4.34	4.24 4.24	4.25	4.26	4.24	4.19	4.17	4.27	4.43	4.45	4.49	4.52	4.55		4.62	
Earth Covering (m)																	
Invert Elevation (m)																	
Total Accumulation Length (m)	0.0		33.8 35.0	66.9	85.0	93.4	123.6	135.0	153.7	185.0	193.7	220.6	235.0	245.2		274.5	

KEYMAP



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 EXISTING
COMBINED SEWER ROUTE (1)

SCALE : As Shown

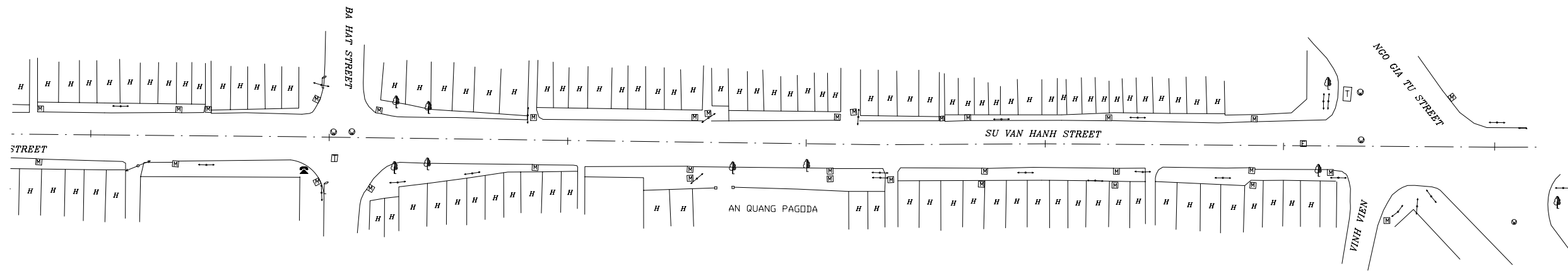
JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

PACIFIC CONSULTANTS INTERNATIONAL

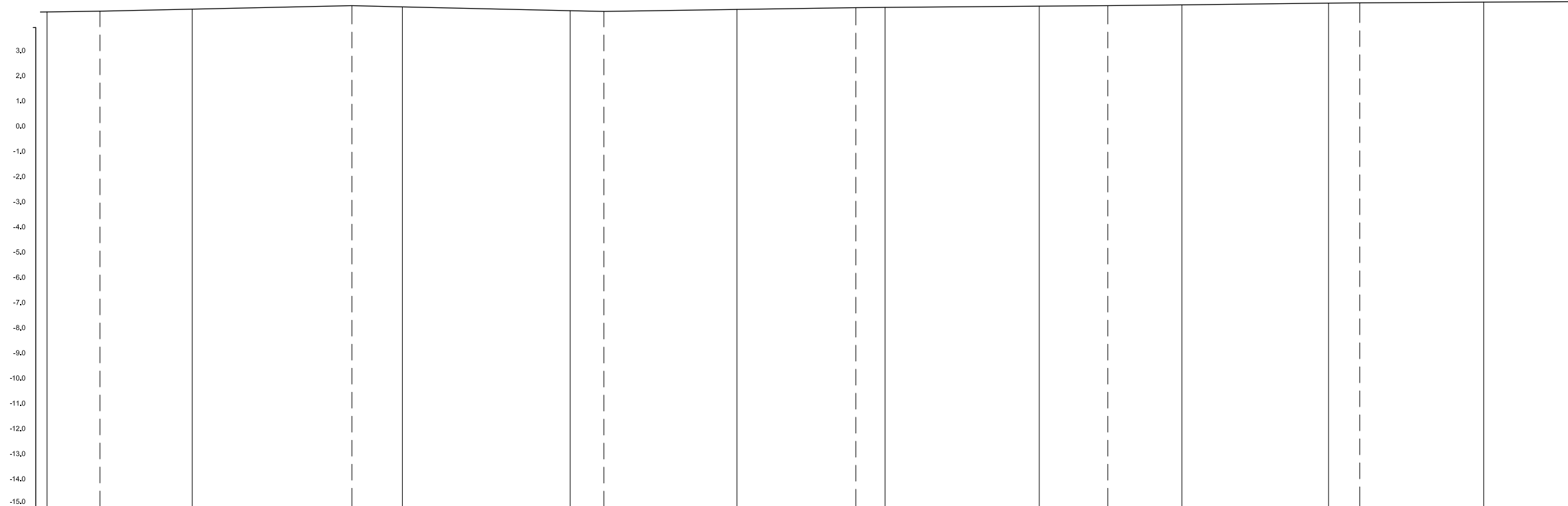
DESIGNED CHECKED

DATE : DWG. No.

PLAN S = 1/500

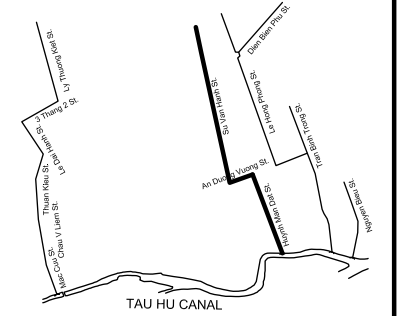




PROFILE S_H = 1/500, S_V = 1/100



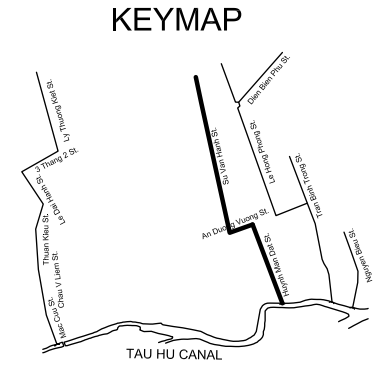
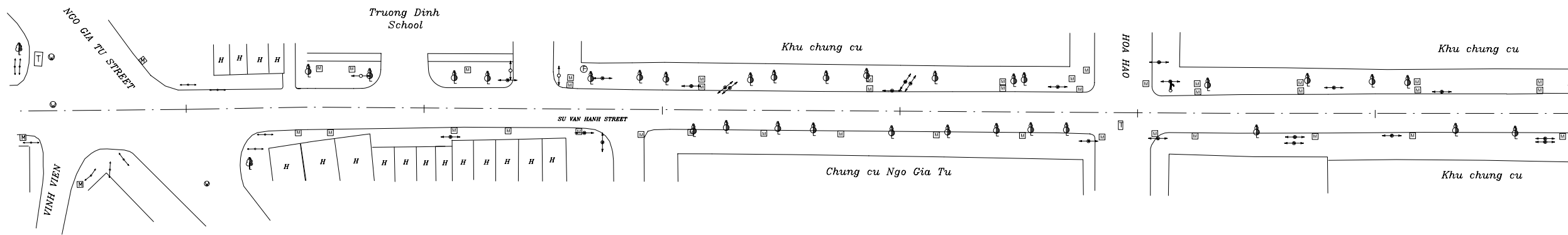
Manhole Number																				
Diameter (mm)																				
Gradient (‰)																				
Length (m)																				
Existing Ground Elevation (m)	4.82	4.65	4.73	4.87	4.82	4.67	4.64	4.72	4.79	4.80	4.85	4.87	4.90	4.97	4.98	5.01				
Earth Covering (m)																				
Invert Elevation (m)																				
Total Accumulation Length (m)	274.5	285.0	303.3	335.0	345.0	378.3	385.0	411.4	435.0	440.8	471.4	485.0	488.7	528.8	535.0	559.6				

KEYMAP

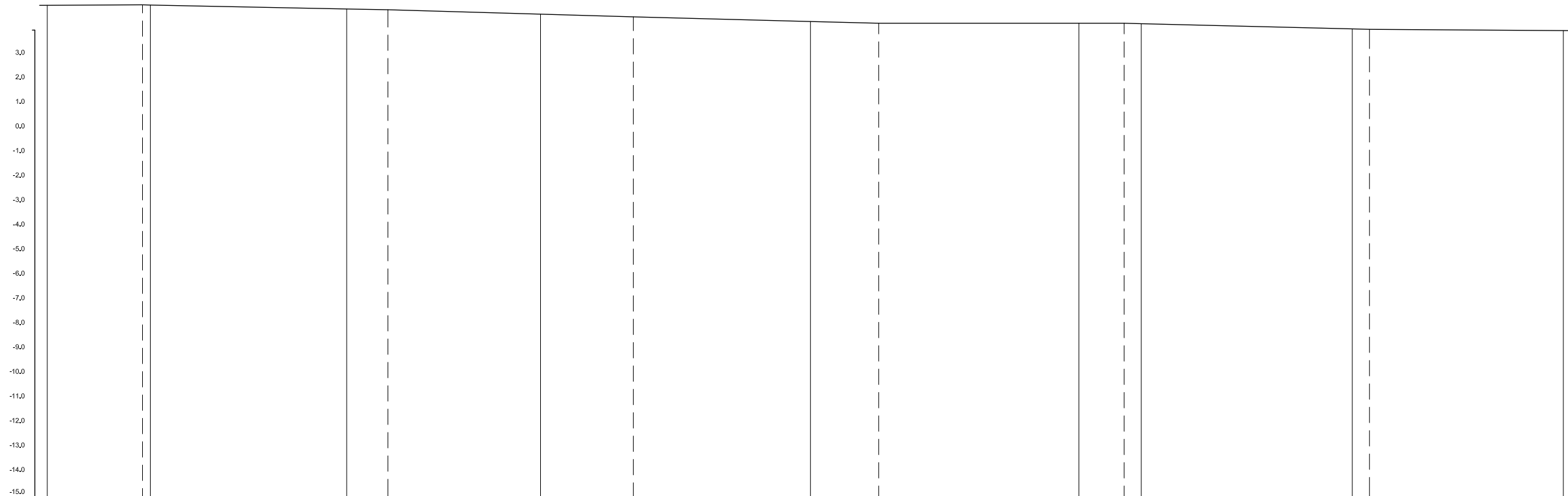


NO.	DATE	DESCRIPTIONS	BY	APPRO.
REVISIONS				
PROJECT MANAGEMENT UNIT FOR HO CHI MINH CITY WATER ENVIRONMENT IMPROVEMENT				
THE DETAILED DESIGN ON HO CHI MINH CITY WATER ENVIRONMENT IMPROVEMENT PROJECT IN THE SOCIALIST REPUBLIC OF VIET NAM				
PLAN AND LONGITUDINAL SURVEY OF EXISTING COMBINED SEWER 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)	5.01	5.03 5.02	4.86	4.83	4.65	4.54	4.35	4.28	4.28	4.26	4.05 4.03	3.98
Earth Covering (m)												
Invert Elevation (m)												
Total Accumulation Length (m)	559.6	579.0 590.6	620.6	629.0	660.1	679.0	715.1	729.0	769.8	779.0 782.5	825.5 829.0	868.5

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

PLAN AND LONGITUDINAL
SURVEY OF EXISTING
COMBINED SEWER ROUTE (3)

SCALE : As Shown

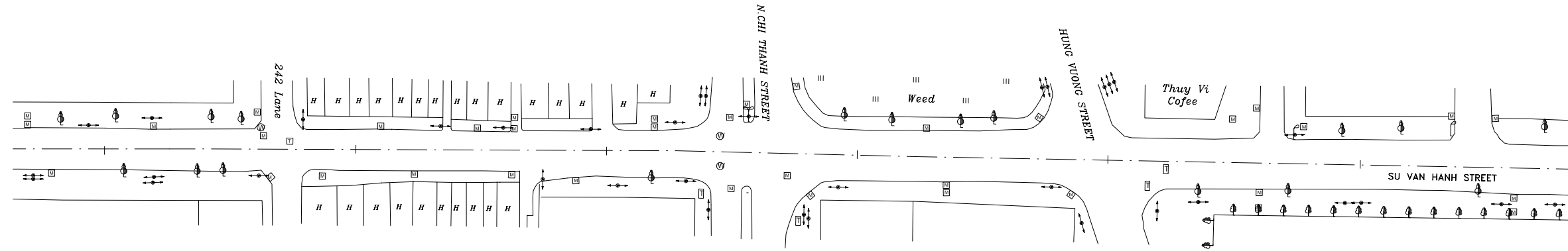
JICA JAPAN INTERNATIONAL COOPERATION
AGENCY (JICA)

PACIFIC CONSULTANTS INTERNATIONAL

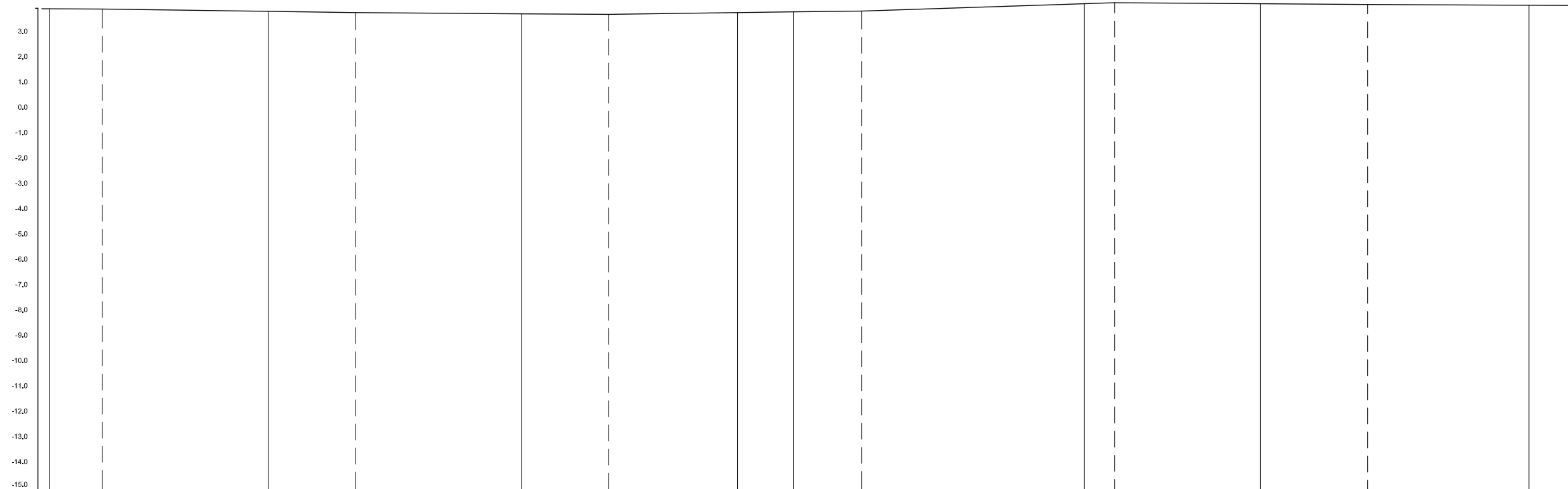
DESIGNED _____ CHECKED _____

DATE : _____ DWG. No. _____

PLAN S = 1/500

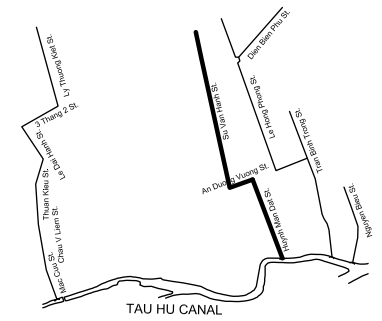


PROFILE S_H = 1/500, S_V = 1/100



Manhole Number																	
Diameter (mm)																	
Gradient (‰)																	
Length (m)																	
Existing Ground Elevation (m)	3.96	3.97	3.88	3.83	3.78	3.76	3.83	3.86	3.89	4.18	4.22	4.18	4.15	4.12			
Earth Covering (m)																	
Invert Elevation (m)																	
Total Accumulation Length (m)	868.5	879.0	911.8	929.0	961.8	979.0	1004.5	1015.6	1029.0	1073.0	1079.0	1107.6	1129.0	1160.9			

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 (4)

SCALE : As Shown

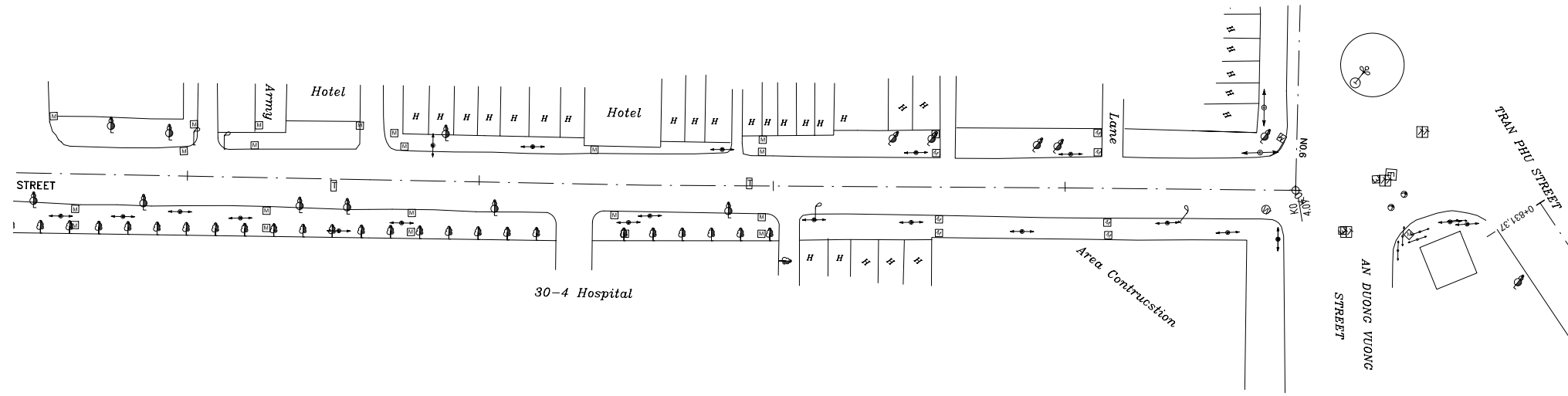
JICA JAPAN INTERNATIONAL COOPERATION
AGENCY (JICA)

PACIFIC CONSULTANTS INTERNATIONAL

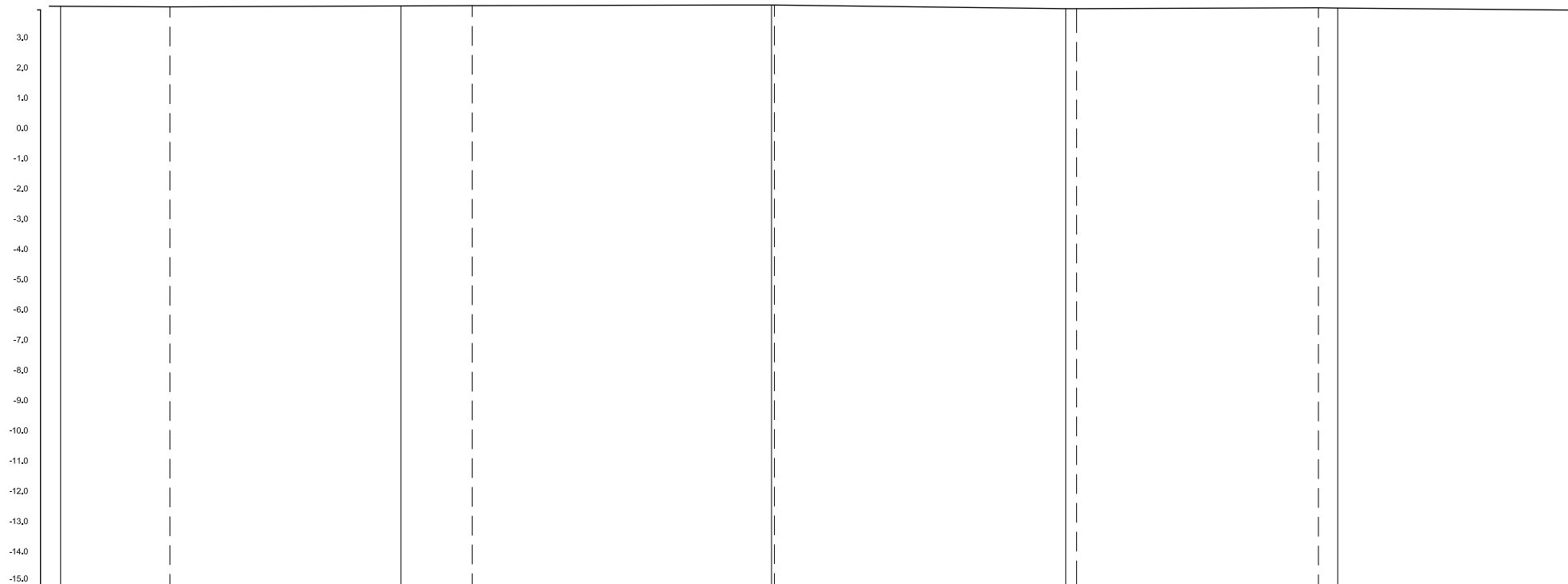
DESIGNED CHECKED

DATE : DWG. No.

PLAN S = 1/500

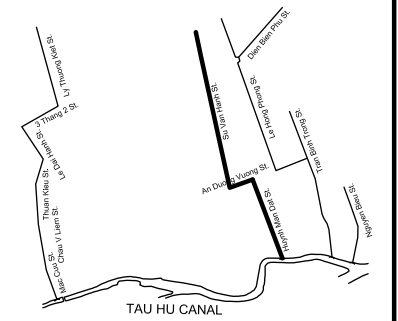


PROFILE S_H = 1/500, S_V = 1/100



Manhole Number						
Diameter (mm)						
Gradient (‰)						
Length (m)						
Existing Ground Elevation (m)	4.12	4.10	4.13	4.14	4.16 4.16	4.04 4.04
Earth Covering (m)						
Invert Elevation (m)						
Total Accumulation Length (m)	1160.9	1179.0	1217.2	1229.0	1272.2 1272.7	1327.2 1326.0
						1369.0 1372.2

KEYMAP



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 EXISTING
COMBINED SEWER ROUTE (5)

SCALE : As Shown

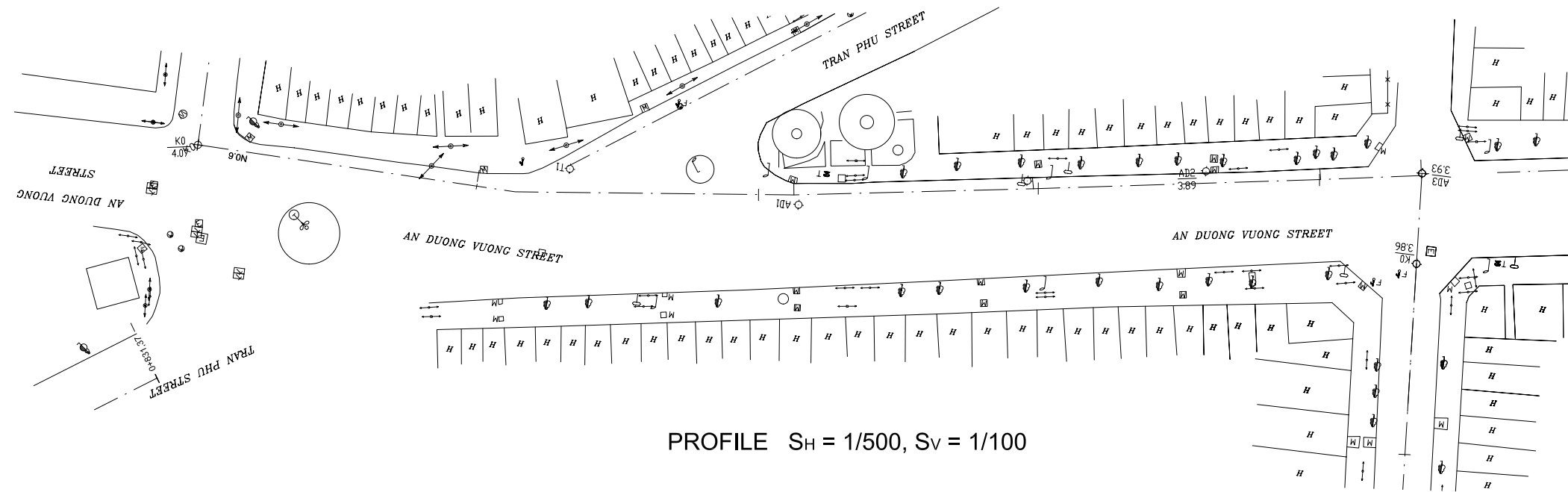
JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

PACIFIC CONSULTANTS INTERNATIONAL

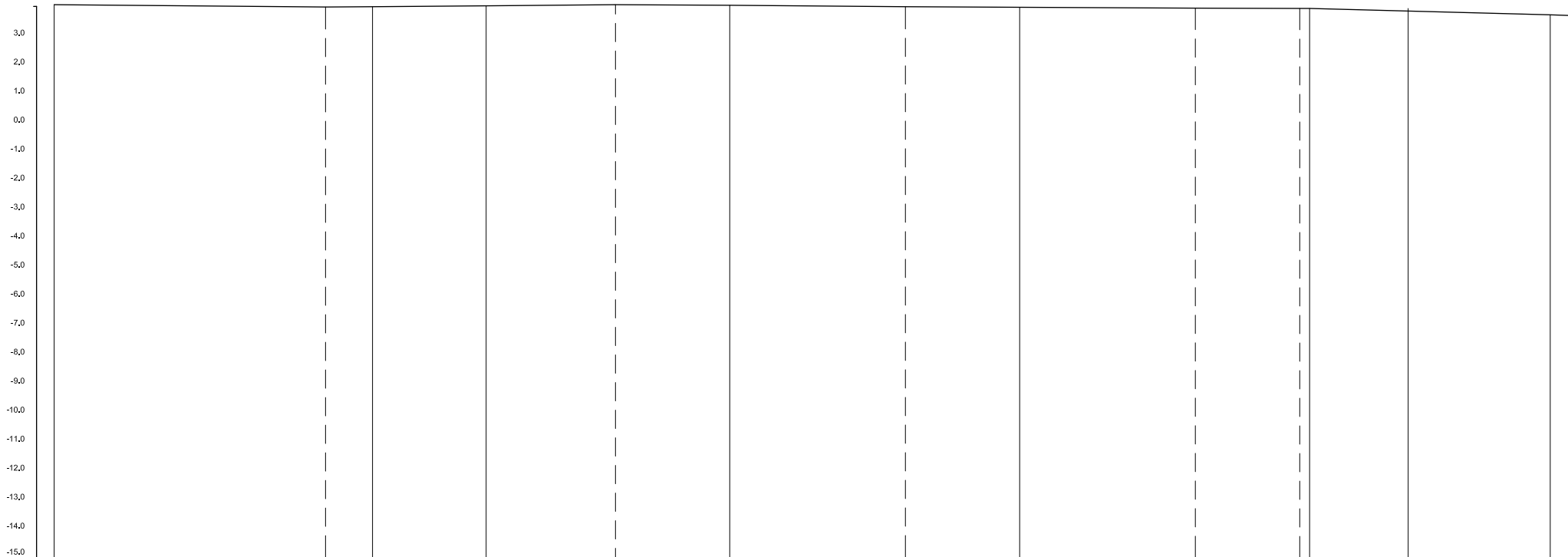
DESIGNED CHECKED

DATE : DWG. No.

PLAN S = 1/500

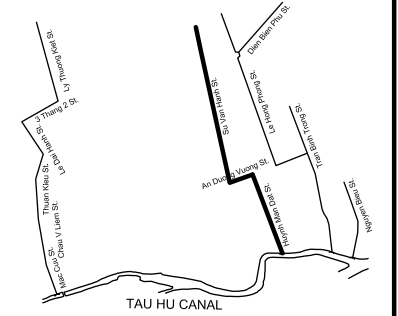


PROFILE SH = 1/500, Sv = 1/100



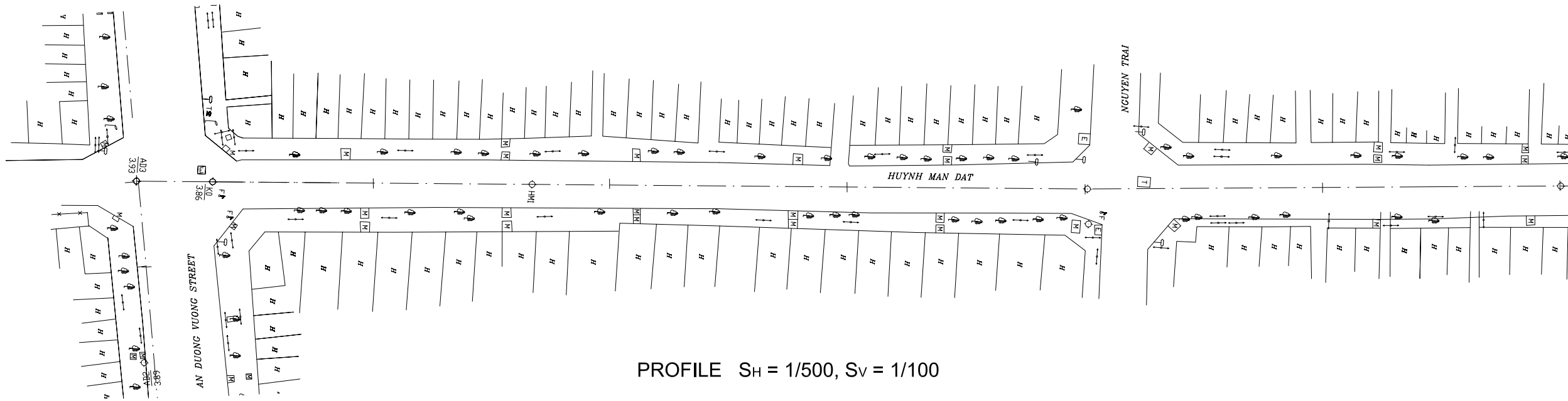
Manhole Number												
Diameter (mm)												
Gradient (‰)												
Length (m)												
Existing Ground Elevation (m)	4.06	3.98	3.99	4.02	4.06	4.04	3.99	3.97	3.94	3.93 3.93	3.84	3.71
Earth Covering (m)												
Invert Elevation (m)												
Total Accumulation Length (m)	1372.2	1419.0	1427.1	1446.7	1469.0	1486.7	1519.0	1538.7	1569.0	1587.0 1586.7	1605.7	1630.2

KEYMAP

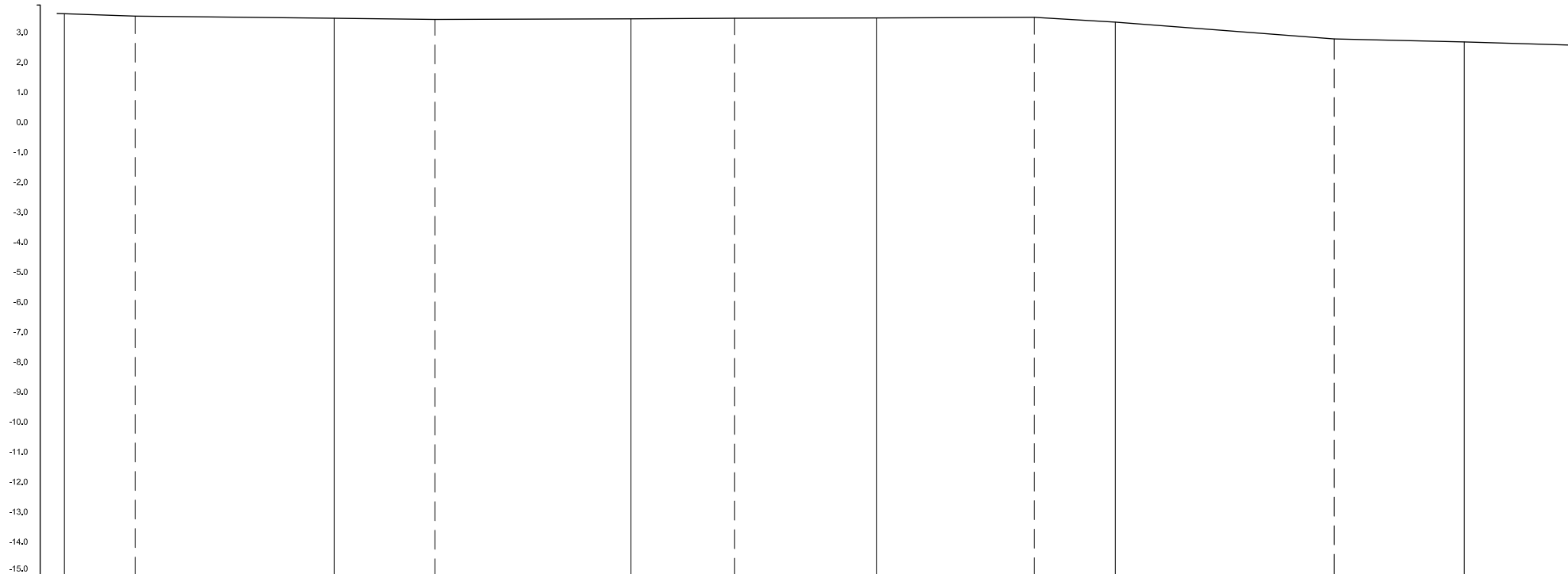


NO.	DATE	DESCRIPTIONS	BY	APRO.
REVISIONS				
PROJECT MANAGEMENT UNIT FOR HO CHI MINH CITY WATER ENVIRONMENT IMPROVEMENT				
THE DETAILED DESIGN ON HO CHI MINH CITY WATER ENVIRONMENT IMPROVEMENT PROJECT IN THE SOCIALIST REPUBLIC OF VIET NAM				
PLAN AND LONGITUDINAL SURVEY OF EXISTING COMBINED SEWER ROUTE (6)				
SCALE : As Shown				
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)				
PACIFIC CONSULTANTS INTERNATIONAL				
DESIGNED		CHECKED		
DATE :		DWG. No.		

PLAN S = 1/500

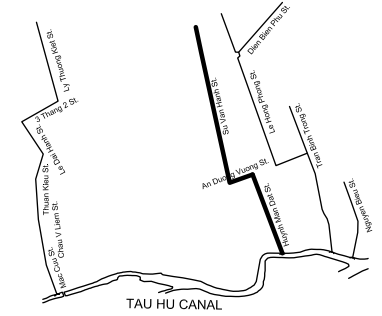


PROFILE S_H = 1/500, S_V = 1/100



Manhole Number											
Diameter (mm)											
Gradient (‰)											
Length (m)											
Existing Ground Elevation (m)	3.71	3.63	3.56	3.52	3.54	3.56	3.57	3.59	3.43	2.87	2.77
Earth Covering (m)											
Invert Elevation (m)											
Total Accumulation Length (m)	1630.2	1642.0	1675.2	1692.0	1724.7	1742.0	1765.7	1792.0	1805.5	1842.0	1863.7

KEYMAP



NO.	DATE	DESCRIPTIONS	BY	APRO.
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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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**PLAN AND LONGITUDINAL
SURVEY OF EXISTING
COMBINED SEWER ROUTE (7)**

SCALE : As Shown

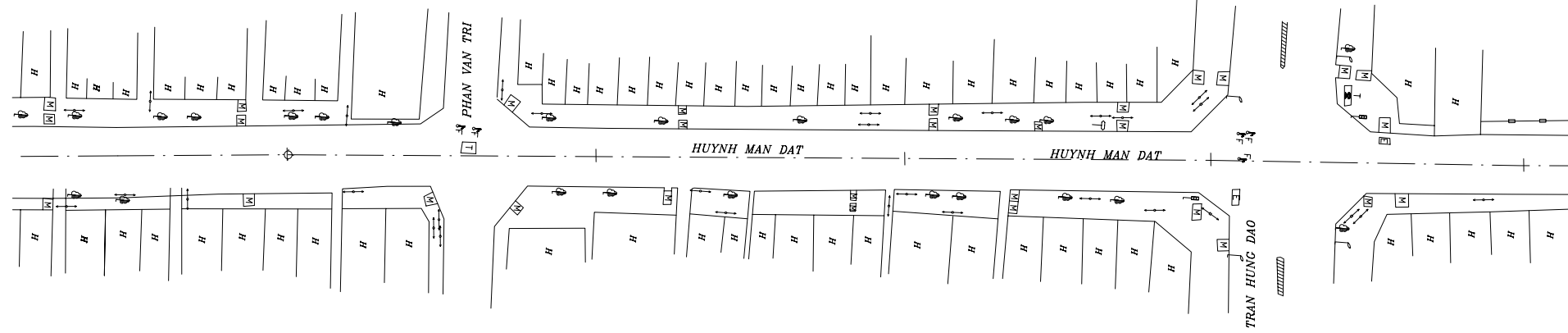
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

PACIFIC CONSULTANTS INTERNATIONAL

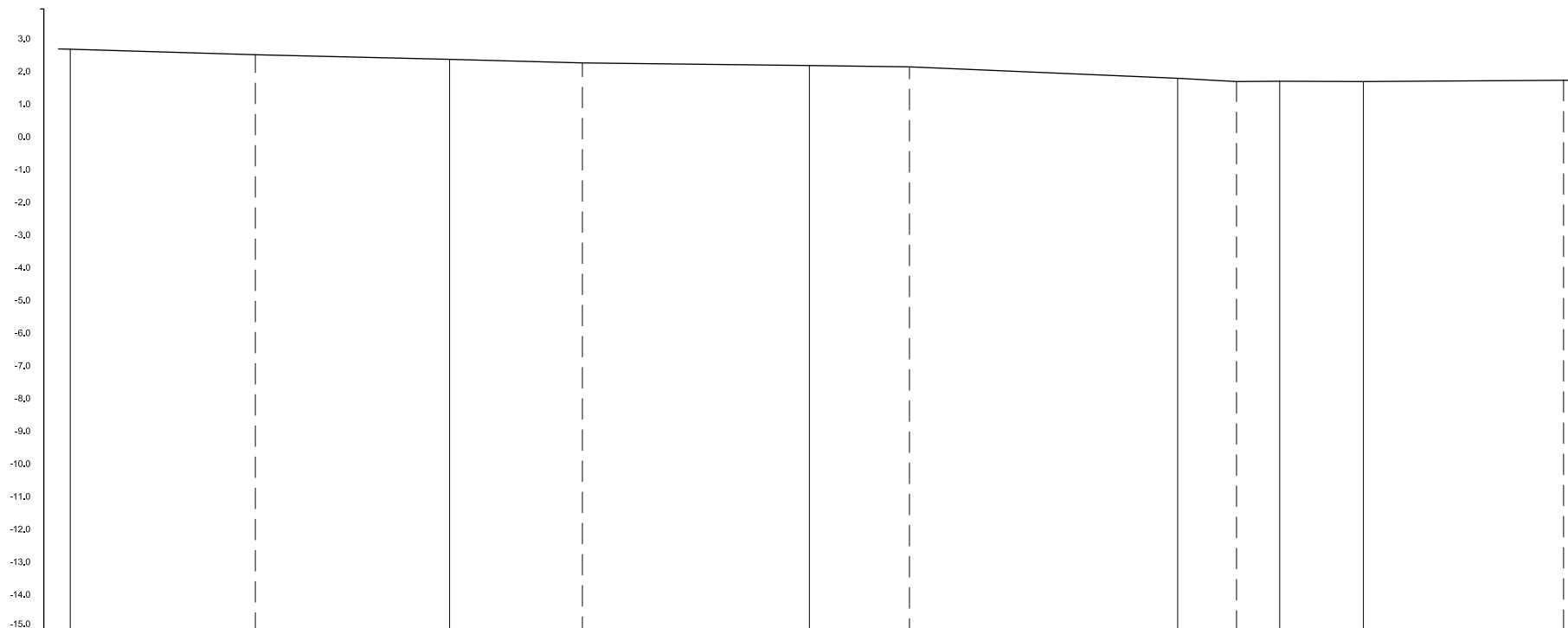
DESIGNED _____ CHECKED _____

DATE : _____ DWG. No. _____

PLAN S = 1/500

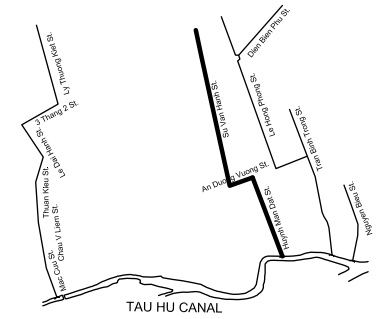


PROFILE S_H = 1/500, S_V = 1/100



Manhole Number											
Diameter (mm)											
Gradient (‰)											
Length (m)											
Existing Ground Elevation (m)	2.77	2.60	2.46	2.35	2.27	2.23	1.88	1.78	1.79	1.78	1.82
Earth Covering (m)											
Invert Elevation (m)											
Total Accumulation Length (m)	1863.7	1892.0	1921.7	1942.0	1976.7	1992.0	2033.0	2042.0	2048.6	2061.4	2092.0

KEYMAP



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

SCALE : As Shown

JICA JAPAN INTERNATIONAL COOPERATION
AGENCY (JICA)

PACIFIC CONSULTANTS INTERNATIONAL

DESIGNED CHECKED

DATE : DWG. No.