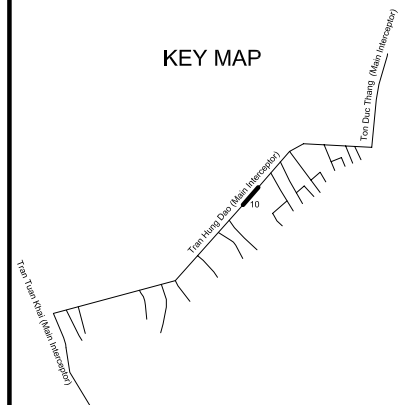
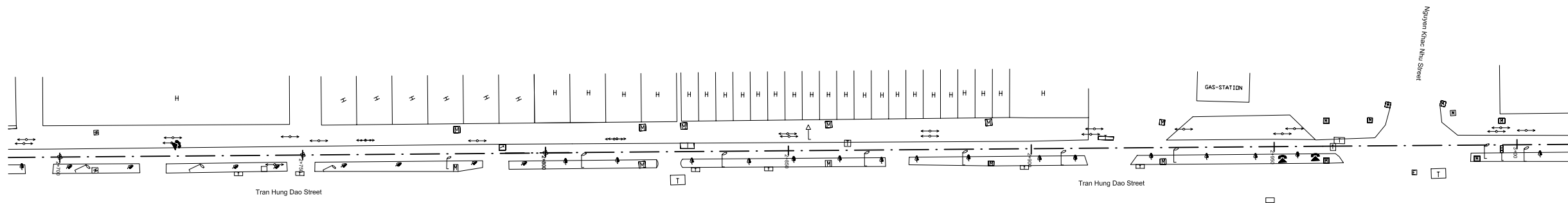
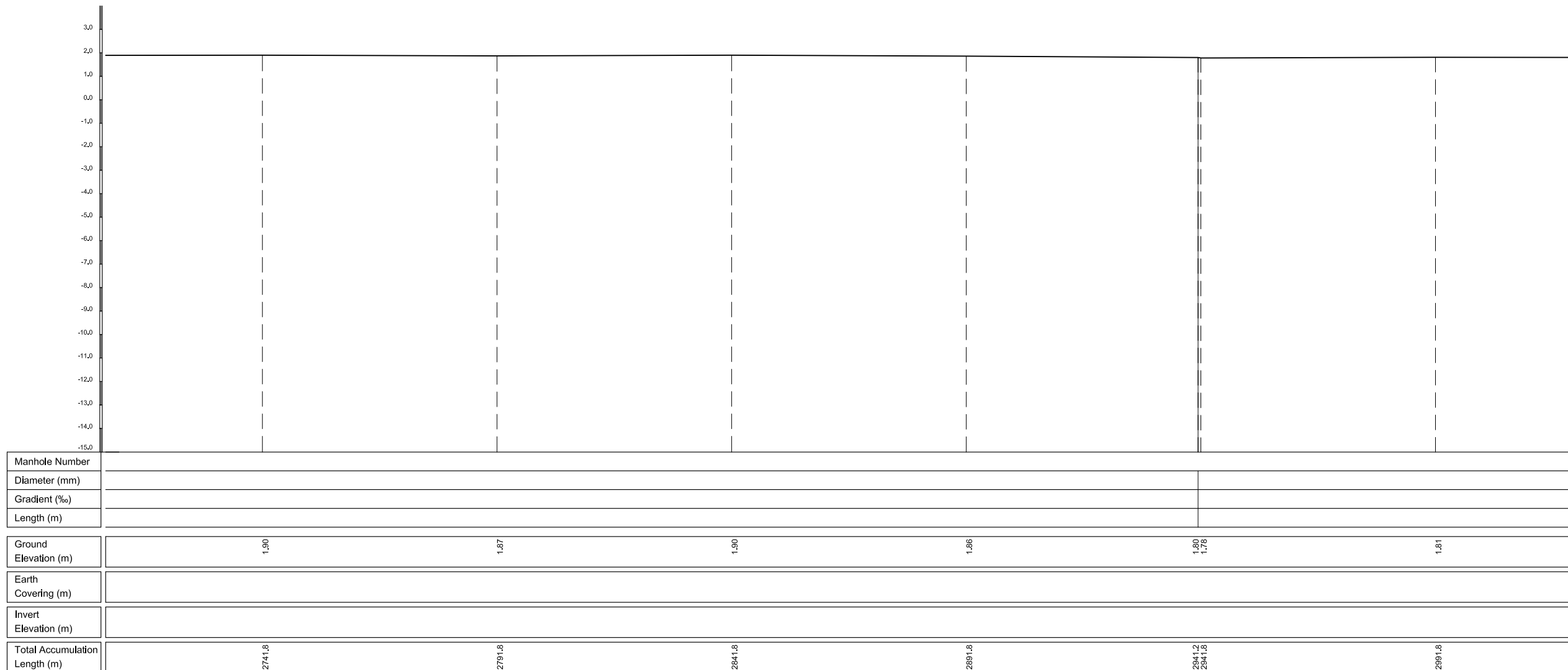


PLAN S = 1/500

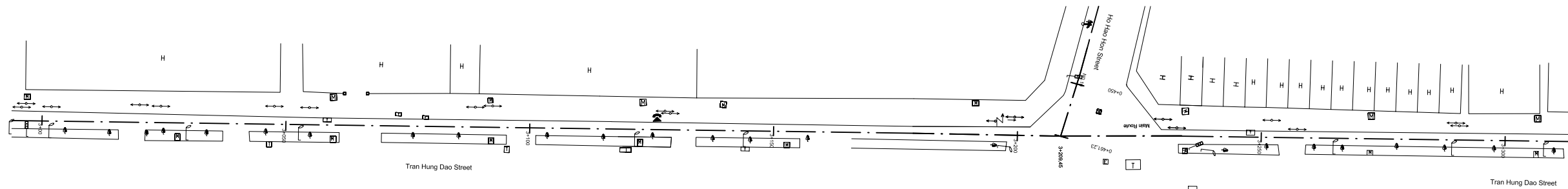


PROFILE  $S_H = 1/500, S_V = 1/100$

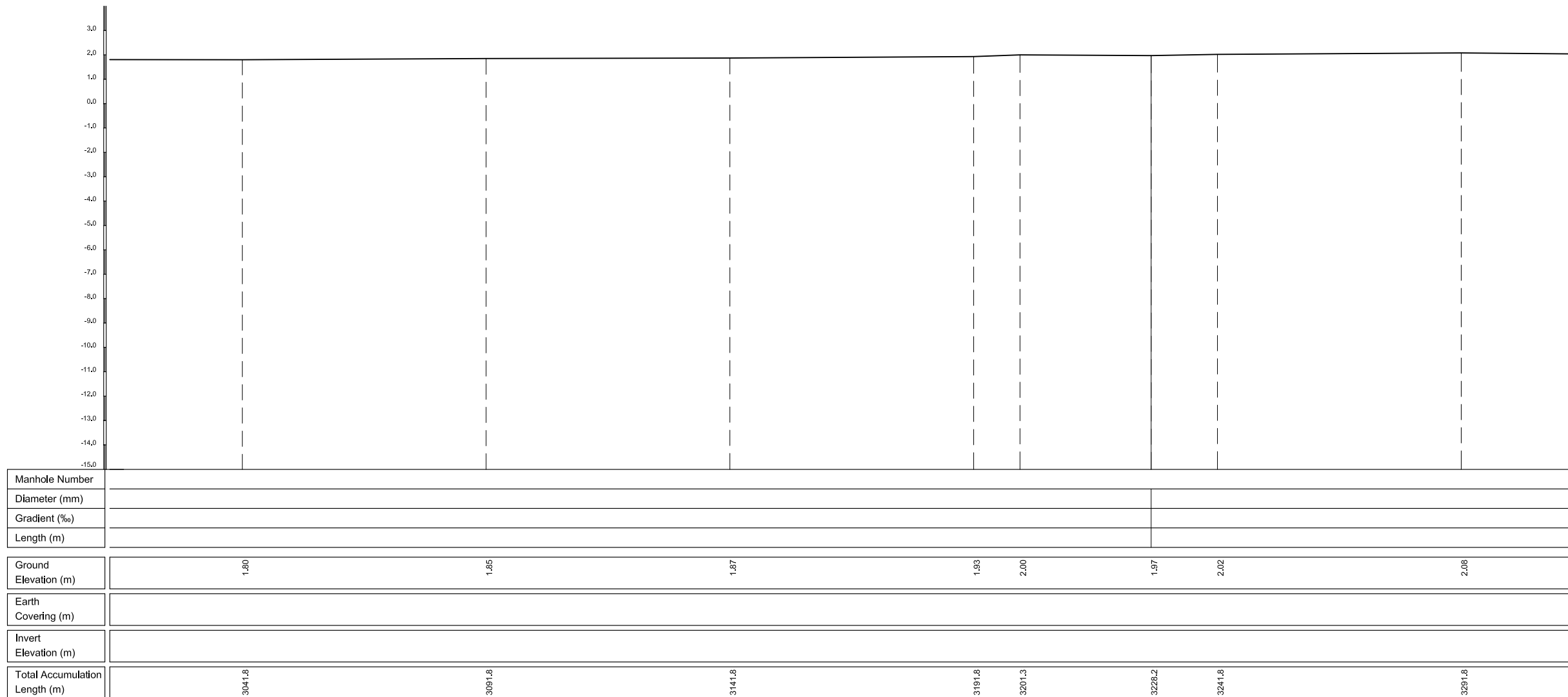


NO.	DATE	DESCRIPTIONS	BY	APPRO.
REVISIONS				
PROJECT MANAGEMENT UNIT FOR HO CHI MINH CITY WATER ENVIRONMENT IMPROVEMENT				
THE DETAILED DESIGN STUDY ON HO CHI MINH CITY WATER ENVIRONMENT IMPROVEMENT PROJECT IN THE SOCIALIST REPUBLIC OF VIET NAM				
<b>PLAN AND LONGITUDINAL SURVEY OF MAIN INTERCEPTOR SEWER ROUTE (10)</b>				
SCALE : AS SHOWN				
JAPAN INTERNATIONAL COOPERATION AGENCY ( JICA )				
PACIFIC CONSULTANTS INTERNATIONAL				
DESIGNED		CHECKED		
DATE :		DWG. No.		

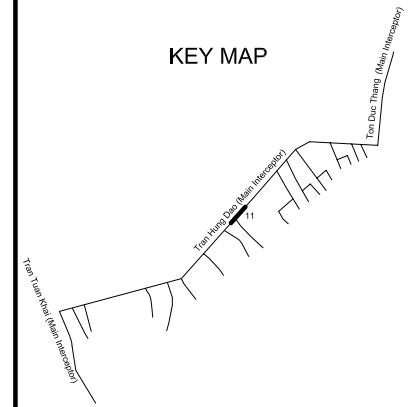
PLAN S = 1/500



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



KEY MAP



NO.	DATE	DESCRIPTIONS	BY	APPRO.
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REVISIONS

PROJECT MANAGEMENT UNIT FOR  
HO CHI MINH CITY  
WATER ENVIRONMENT IMPROVEMENT

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

PLAN AND LONGITUDINAL SURVEY OF  
MAIN INTERCEPTOR SEWER ROUTE (11)

SCALE : AS SHOWN

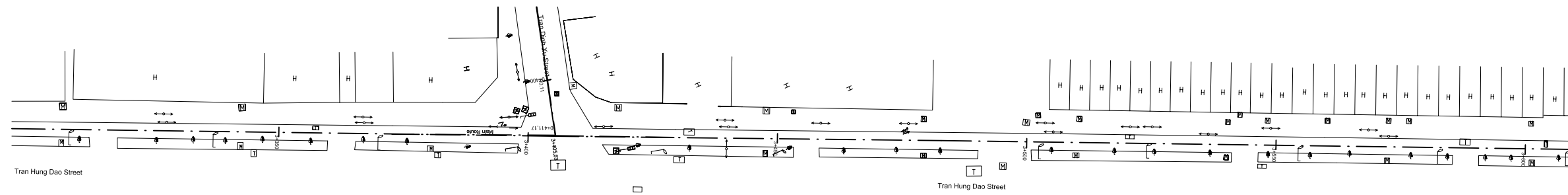
JICA JAPAN INTERNATIONAL COOPERATION  
AGENCY ( JICA )

PACIFIC CONSULTANTS INTERNATIONAL

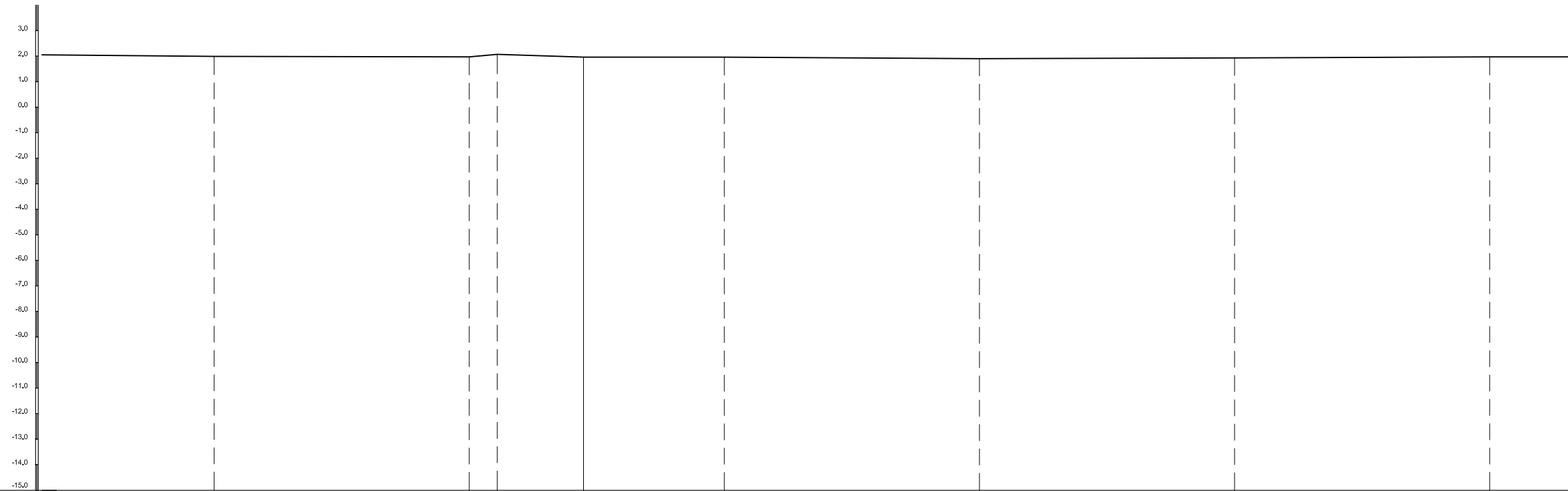
DESIGNED CHECKED

DATE : DWG. No.

PLAN S = 1/500

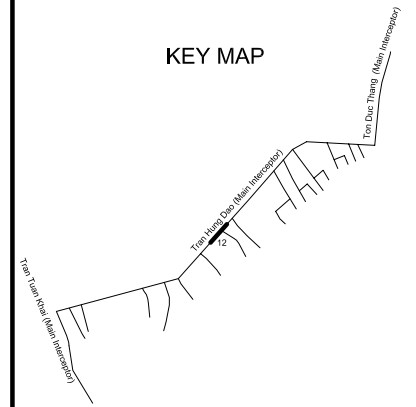


PROFILE  $S_H = 1/500$ ,  $S_V = 1/100$



Manhole Number							
Diameter (mm)							
Gradient (‰)							
Length (m)							
Ground Elevation (m)	1.99	1.97	2.07	1.96	1.96	1.90	1.93
Earth Covering (m)							
Invert Elevation (m)							
Total Accumulation Length (m)	3341.8	3391.8	3397.3	3414.2	3441.8	3491.8	3591.8

KEY MAP



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

PLAN AND LONGITUDINAL SURVEY OF  
MAIN INTERCEPTOR SEWER ROUTE (12)

SCALE : AS SHOWN

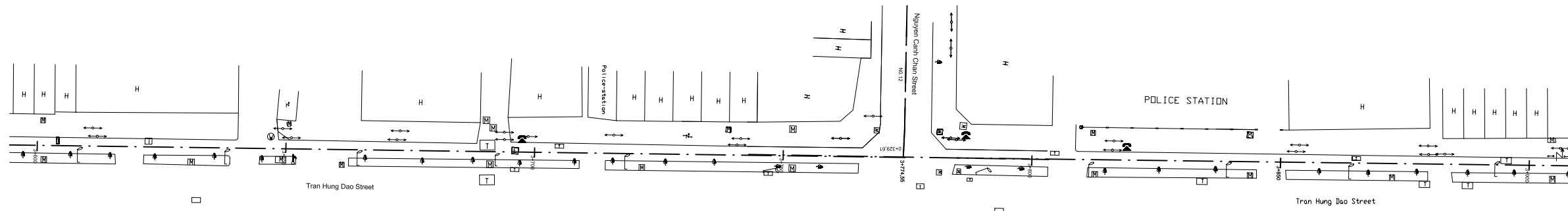
JICA JAPAN INTERNATIONAL COOPERATION  
AGENCY ( JICA )

PACIFIC CONSULTANTS INTERNATIONAL

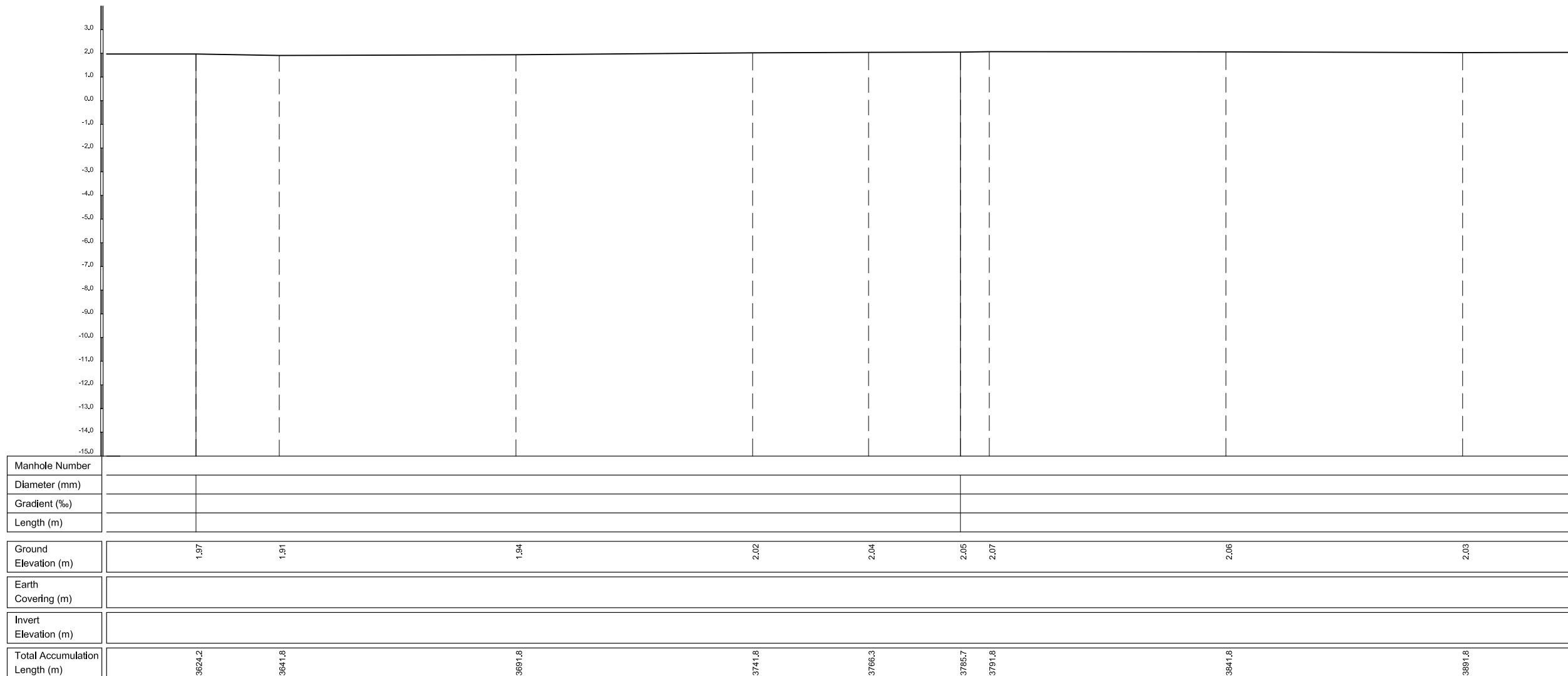
DESIGNED CHECKED

DATE : DWG. No.

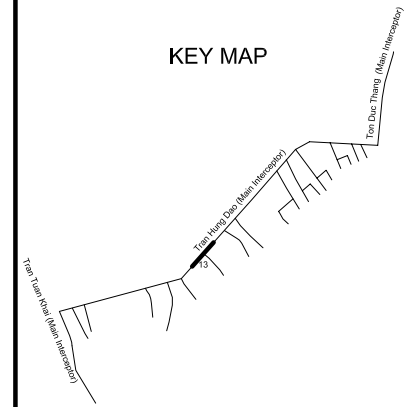
PLAN S = 1/500



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



KEY MAP



NO.	DATE	DESCRIPTIONS	BY	APPRO.

REVISIONS

PROJECT MANAGEMENT UNIT FOR  
HO CHI MINH CITY  
WATER ENVIRONMENT IMPROVEMENT

THE DETAILED DESIGN STUDY ON HO CHI MINH CITY  
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IN THE SOCIALIST REPUBLIC OF VIET NAM

PLAN AND LONGITUDINAL SURVEY OF  
MAIN INTERCEPTOR SEWER ROUTE (13)

SCALE : AS SHOWN

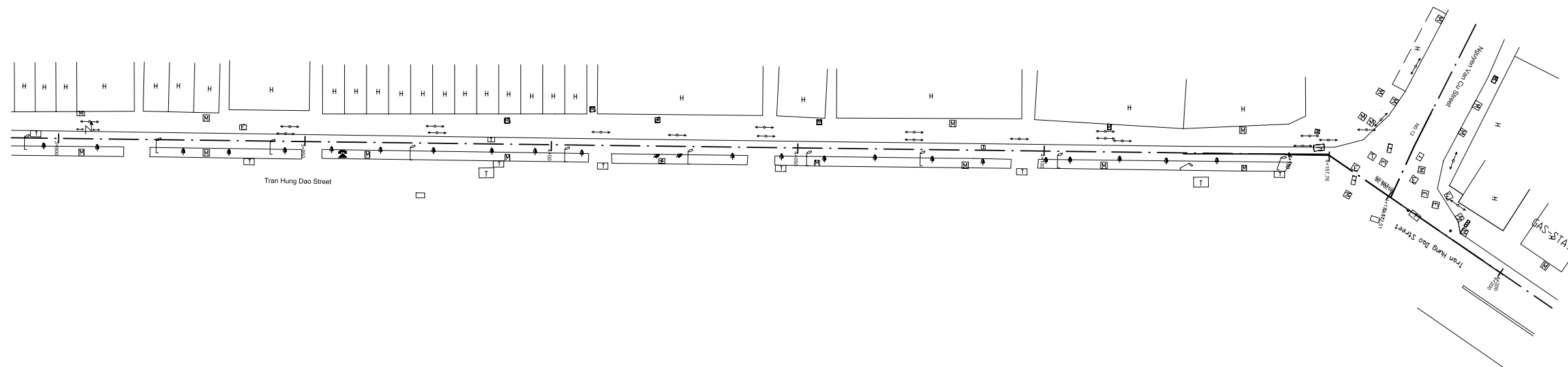
JICA JAPAN INTERNATIONAL COOPERATION  
AGENCY ( JICA )

PACIFIC CONSULTANTS INTERNATIONAL

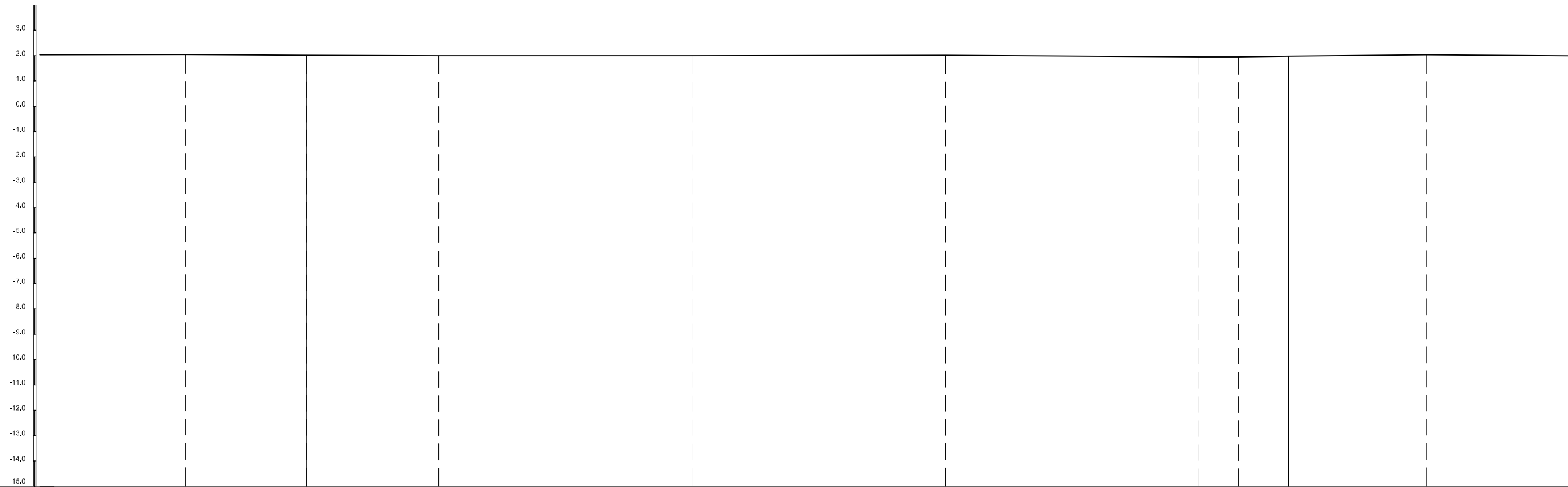
DESIGNED CHECKED

DATE : DWG. No.

PLAN S = 1/500

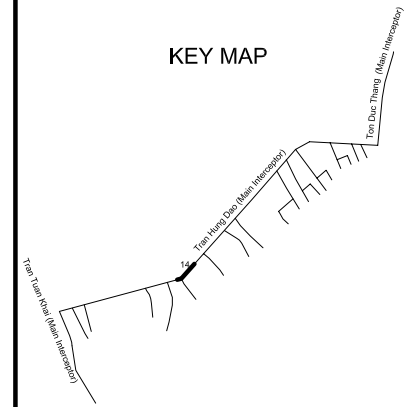


PROFILE  $S_H = 1/500$ ,  $S_V = 1/100$



Manhole Number												
Diameter (mm)												
Gradient (‰)												
Length (m)												
Ground Elevation (m)	2.05	2.02	2.00	2.00	2.02	1.95	1.95	1.98	2.04			
Earth Covering (m)												
Invert Elevation (m)												
Total Accumulation Length (m)	3941.8	3966.7	3991.8	4041.8	4091.8	4141.8	4149.6	4159.5	4186.7			

KEY MAP



NO.	DATE	DESCRIPTIONS	BY	APRO.
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REVISIONS

PROJECT MANAGEMENT UNIT FOR  
HO CHI MINH CITY  
WATER ENVIRONMENT IMPROVEMENT

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

PLAN AND LONGITUDINAL SURVEY OF  
MAIN INTERCEPTOR SEWER ROUTE (14)

SCALE : AS SHOWN

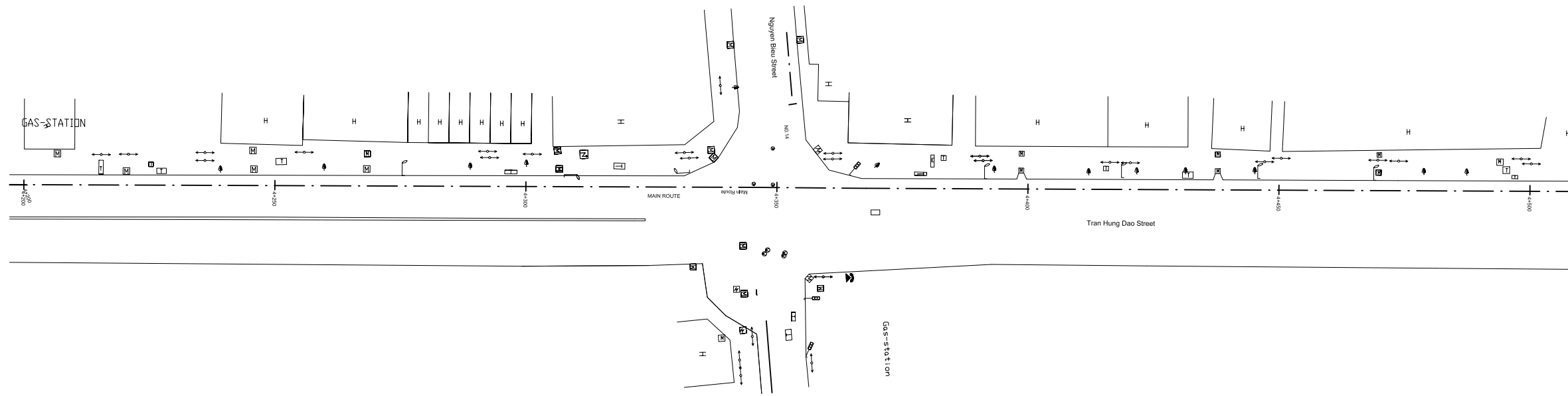
JICA JAPAN INTERNATIONAL COOPERATION  
AGENCY ( JICA )

PACIFIC CONSULTANTS INTERNATIONAL

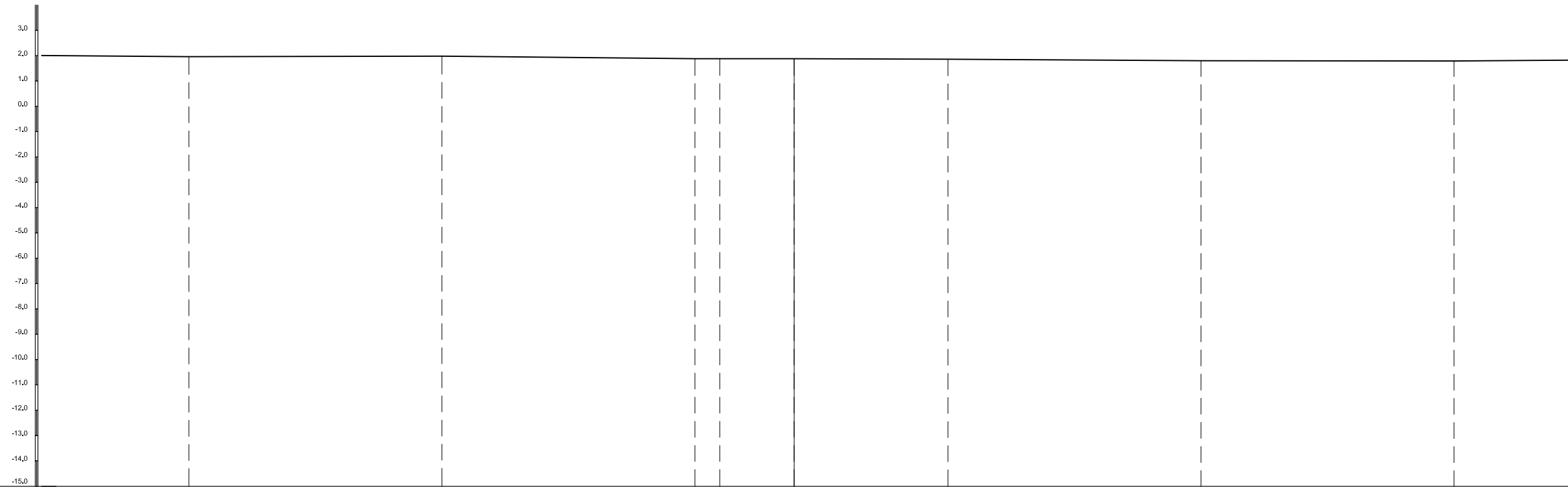
DESIGNED CHECKED

DATE : DWG. No.

PLAN S = 1/500

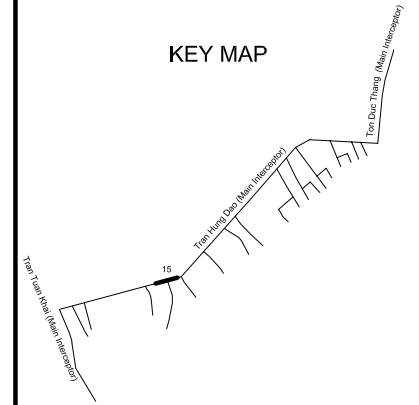


PROFILE S<sub>H</sub> = 1/500, S<sub>V</sub> = 1/100



Manhole Number								
Diameter (mm)								
Gradient (‰)								
Length (m)								
Ground Elevation (m)	1.96	1.98	1.88	1.88	1.88	1.86	1.80	1.79
Earth Covering (m)								
Invert Elevation (m)								
Total Accumulation Length (m)	4236.7	4286.7	4336.7	4341.6	4356.3	4366.7	4436.7	4486.7

KEY MAP



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

PLAN AND LONGITUDINAL SURVEY OF  
MAIN INTERCEPTOR SEWER ROUTE (15)

SCALE : AS SHOWN

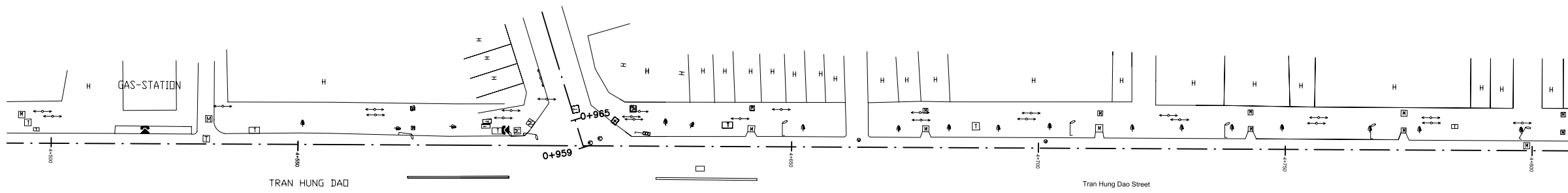
JICA JAPAN INTERNATIONAL COOPERATION  
AGENCY ( JICA )

PACIFIC CONSULTANTS INTERNATIONAL

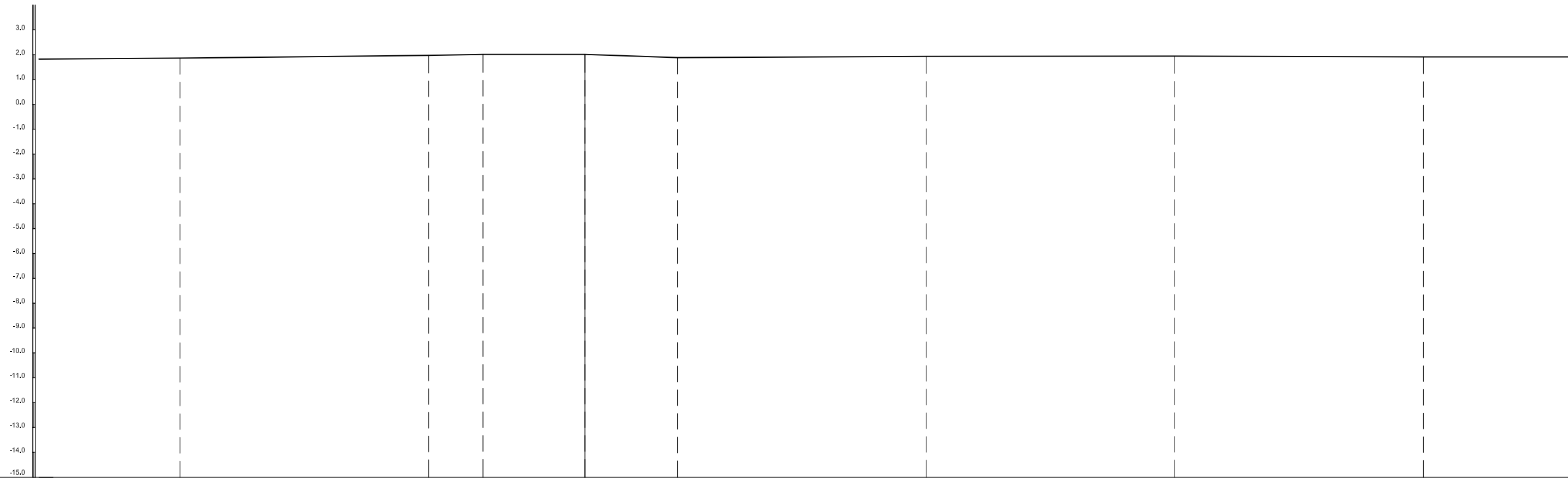
DESIGNED CHECKED

DATE : DWG. No.

PLAN S = 1/500

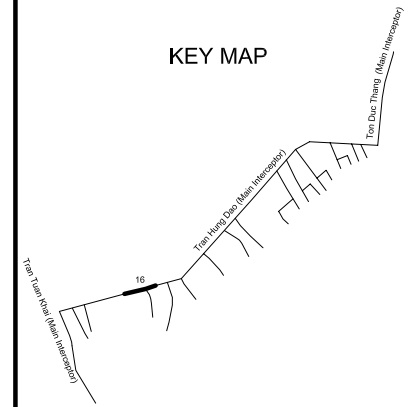


PROFILE  $S_H = 1/500, S_V = 1/100$



Manhole Number									
Diameter (mm)									
Gradient (‰)									
Length (m)									
Ground Elevation (m)	1.86	1.97	2.01	2.01	1.88	1.93	1.94	1.91	
Earth Covering (m)									
Invert Elevation (m)									
Total Accumulation Length (m)	4536.7	4586.7	4597.6	4618.1	4636.7	4656.7	4736.7	4756.7	

KEY MAP



NO.	DATE	DESCRIPTIONS	BY	APPRO.
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REVISIONS

PROJECT MANAGEMENT UNIT FOR  
HO CHI MINH CITY  
WATER ENVIRONMENT IMPROVEMENT

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

PLAN AND LONGITUDINAL SURVEY OF  
MAIN INTERCEPTOR SEWER ROUTE (16)

SCALE : AS SHOWN

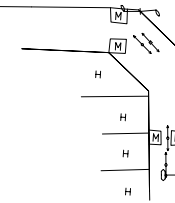
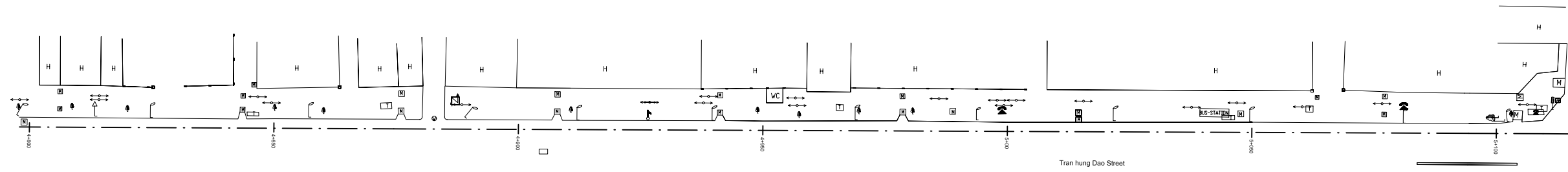
JICA JAPAN INTERNATIONAL COOPERATION  
AGENCY ( JICA )

PACIFIC CONSULTANTS INTERNATIONAL

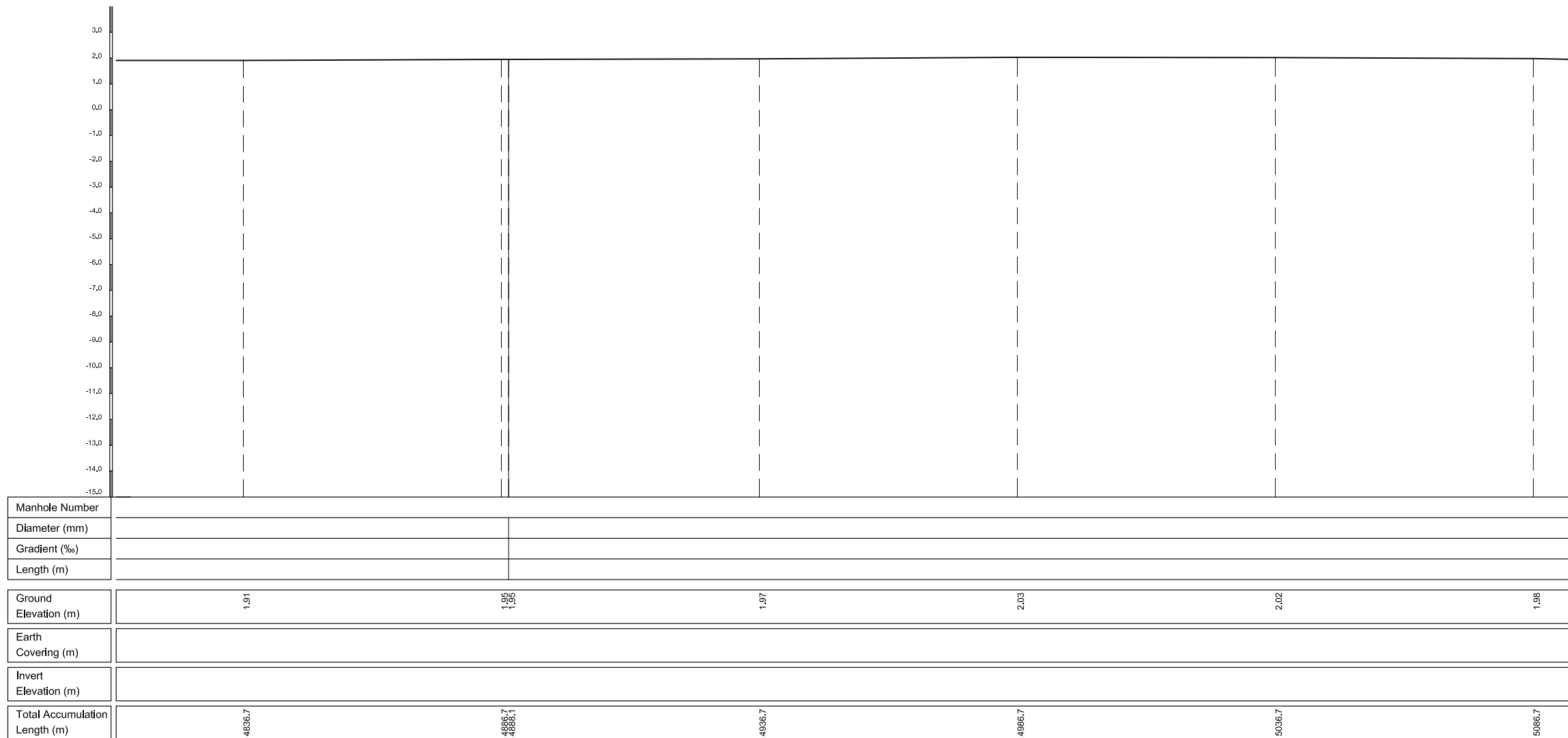
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DATE : DWG. No.

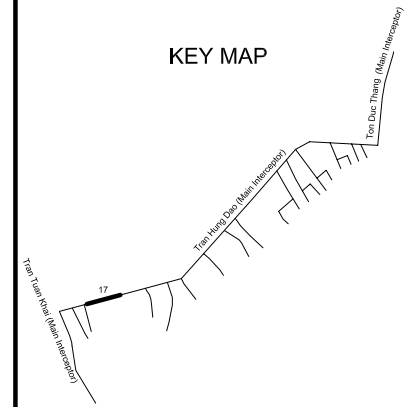
PLAN S = 1/500



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



KEY MAP



NO.	DATE	DESCRIPTIONS	BY	APRO.
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REVISIONS

PROJECT MANAGEMENT UNIT FOR  
HO CHI MINH CITY  
WATER ENVIRONMENT IMPROVEMENT

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

PLAN AND LONGITUDINAL SURVEY OF  
MAIN INTERCEPTOR SEWER ROUTE (17)

SCALE : AS SHOWN

JICA JAPAN INTERNATIONAL COOPERATION  
AGENCY ( JICA )

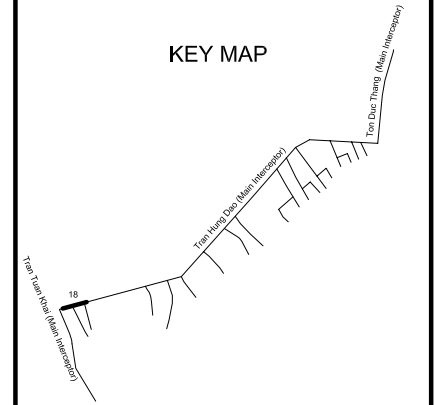
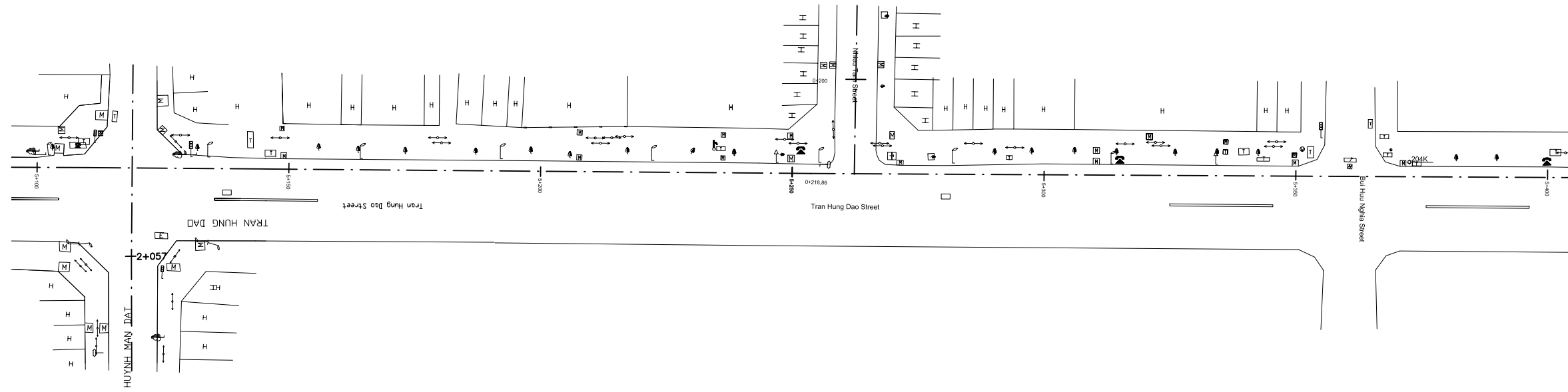
PACIFIC CONSULTANTS INTERNATIONAL

DESIGNED CHECKED

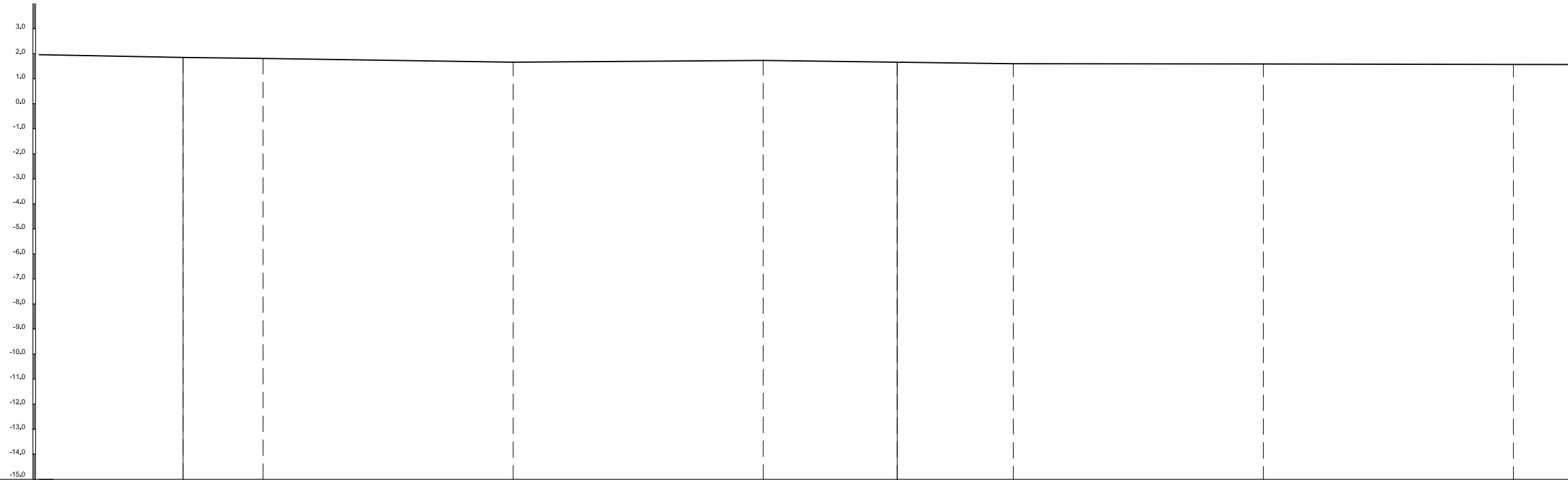
DATE : DWG. No.



PLAN S = 1/500



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



Manhole Number								
Diameter (mm)								
Gradient (‰)								
Length (m)								
Ground Elevation (m)	1.85	1.81	1.66	1.73	1.66	1.60	1.59	1.57
Earth Covering (m)								
Invert Elevation (m)								
Total Accumulation Length (m)	5120.7	5136.7	5186.7	5236.7	5263.5	5286.7	5336.7	5386.7

NO.	DATE	DESCRIPTIONS	BY	APPRO.
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REVISIONS

PROJECT MANAGEMENT UNIT FOR  
HO CHI MINH CITY  
WATER ENVIRONMENT IMPROVEMENT

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

PLAN AND LONGITUDINAL SURVEY OF  
MAIN INTERCEPTOR SEWER ROUTE (18)

SCALE : AS SHOWN

JICA JAPAN INTERNATIONAL COOPERATION  
AGENCY ( JICA )

PACIFIC CONSULTANTS INTERNATIONAL

DESIGNED CHECKED

DATE : DWG. No.