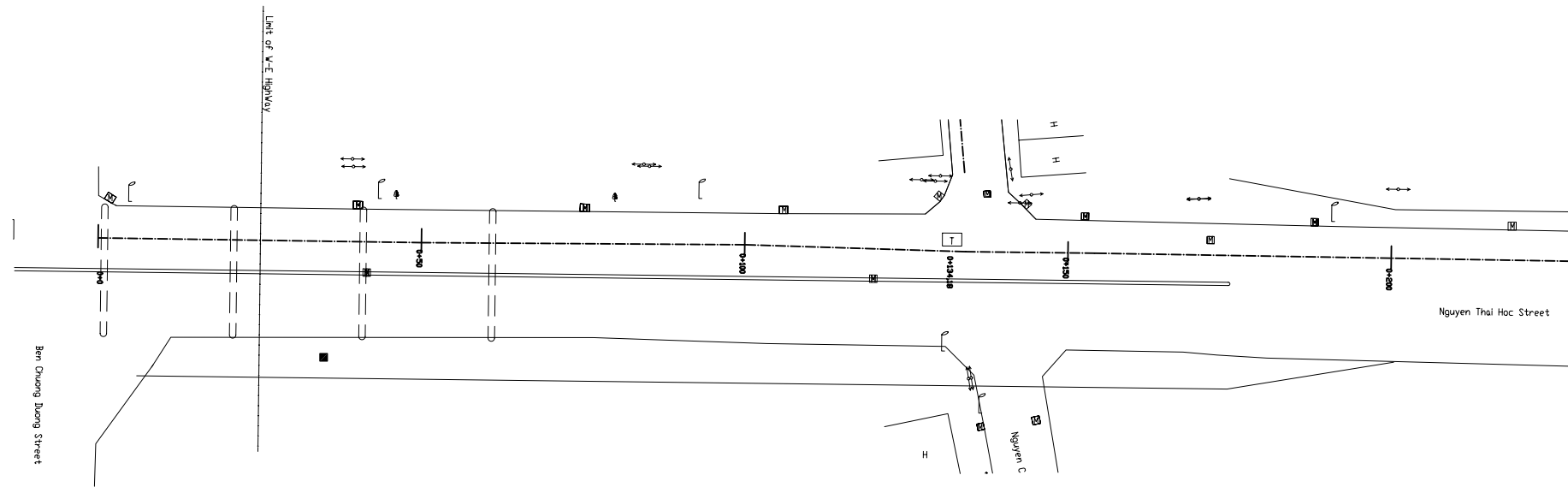
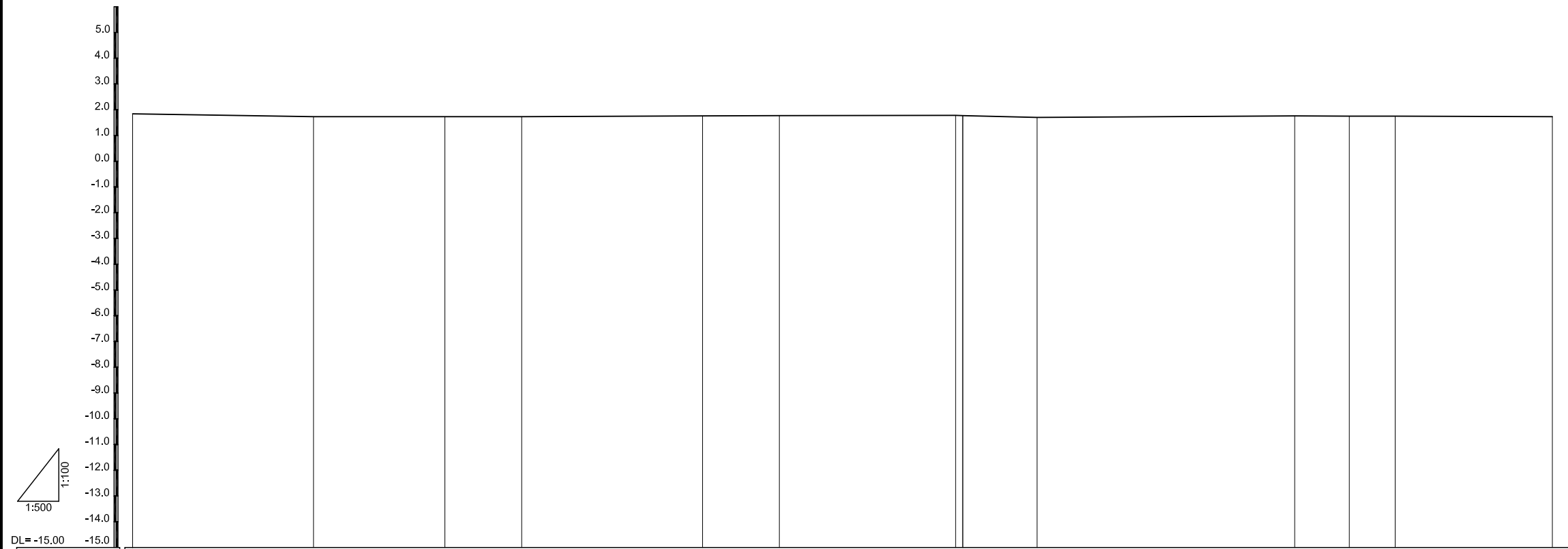


PLAN S = 1/500

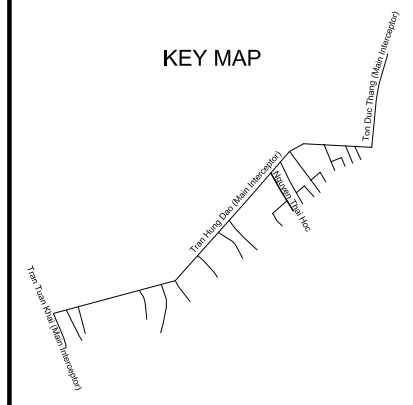


PROFILE S_H = 1/500, S_V = 1/100



Manhole number													
Diameter (mm)													
Gradient (%)													
Length (m)													
Ground Elevation (m)	1.84	1.73	1.73	1.73	1.76	1.77	1.77	1.70	1.76	1.75	1.75	1.73	
Earth Covering (m)													
Invert Elevation (m)													
Accumulation Length (m)		0.0	25.5	40.4	75.5	90.4	124.6	140.4	190.4	201.0	209.9	240.4	

KEY MAP



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
SECONDARY INTERCEPTOR
SEWER ROUTE (11)

SCALE : AS SHOWN

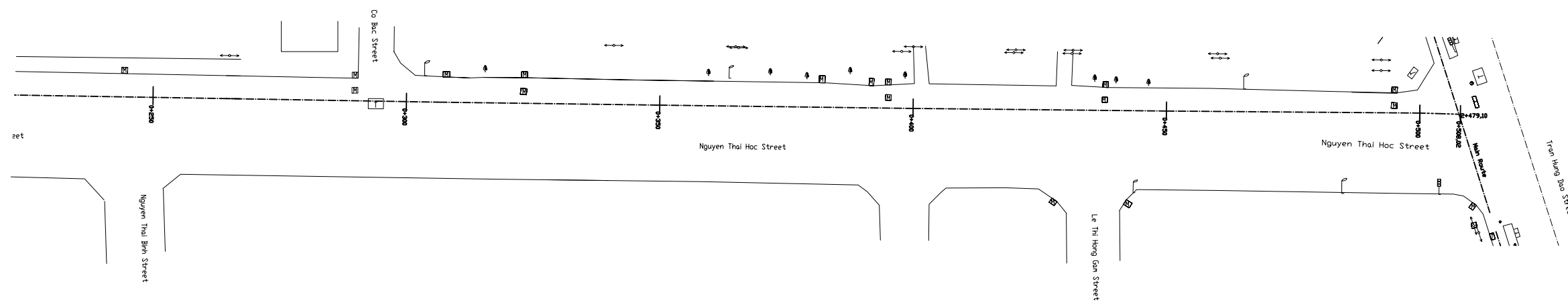
JICA JAPAN INTERNATIONAL COOPERATION
AGENCY (JICA)

PACIFIC CONSULTANTS INTERNATIONAL

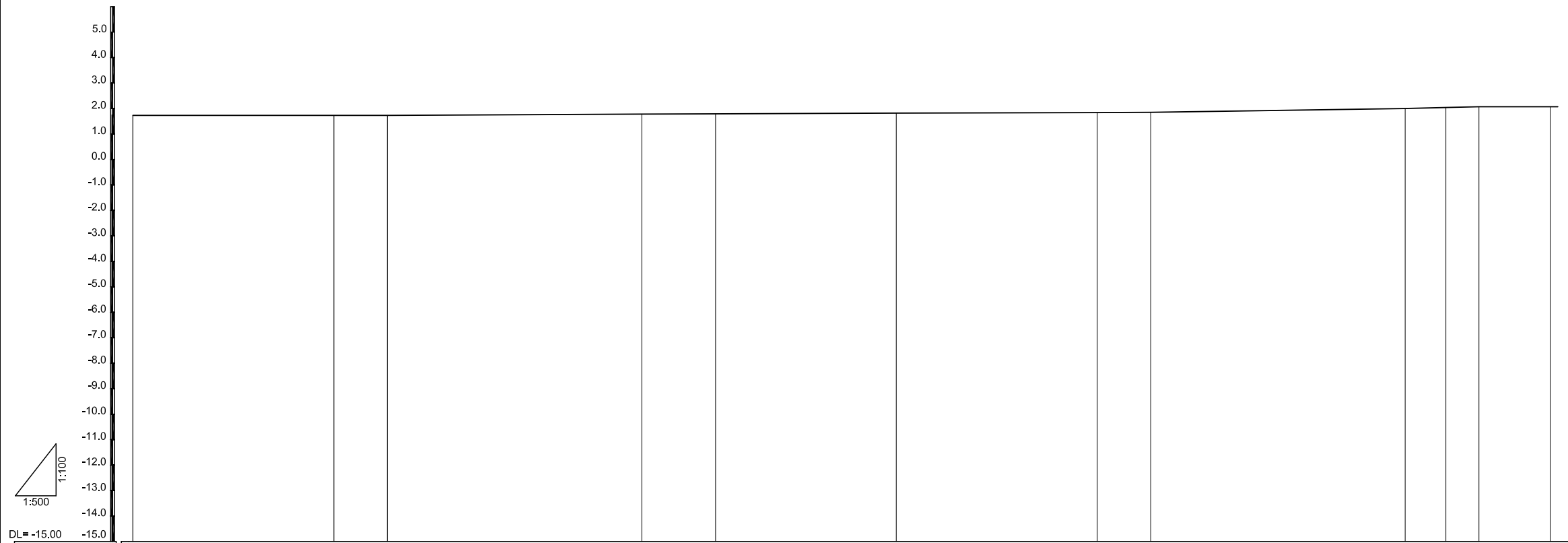
DESIGNED CHECKED

DATE : DWG. No.

PLAN S = 1/500

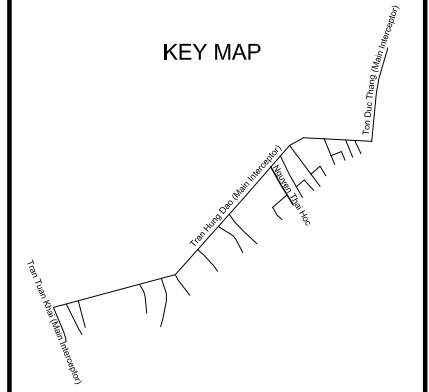


PROFILE S_H = 1/500, S_V = 1/100



Manhole number												
Diameter (mm)												
Gradient (%)												
Length (m)												
Ground Elevation (m)	1.73	1.73	1.73	1.76	1.79	1.82	1.84	1.85	2.00	2.04	2.07	2.07
Earth Covering (m)												
Invert Elevation (m)												
Accumulation Length (m)	240.4	275.9	290.4	340.4	354.9	390.4	425.9	440.4	490.4	498.4	504.9	516.9

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

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

SCALE : AS SHOWN

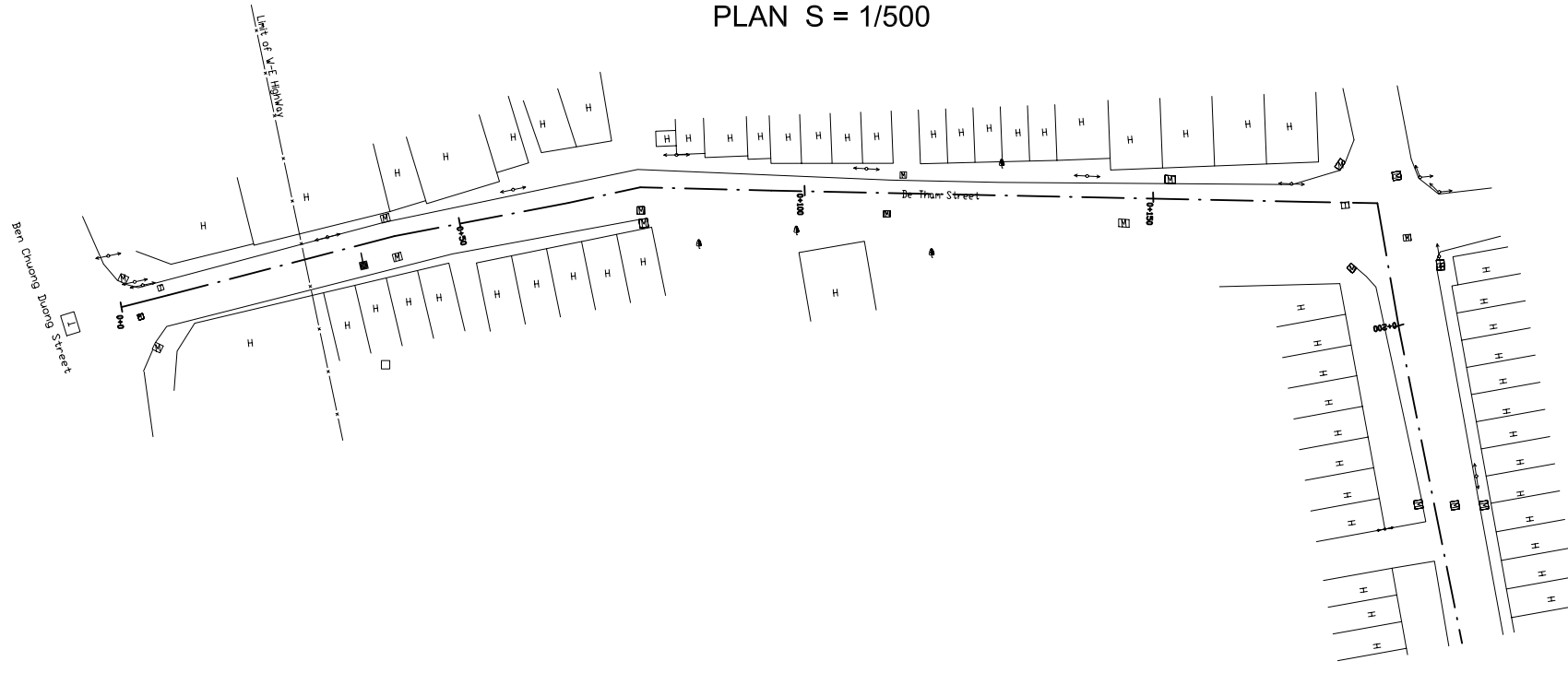
JICA JAPAN INTERNATIONAL COOPERATION
AGENCY (JICA)

PACIFIC CONSULTANTS INTERNATIONAL

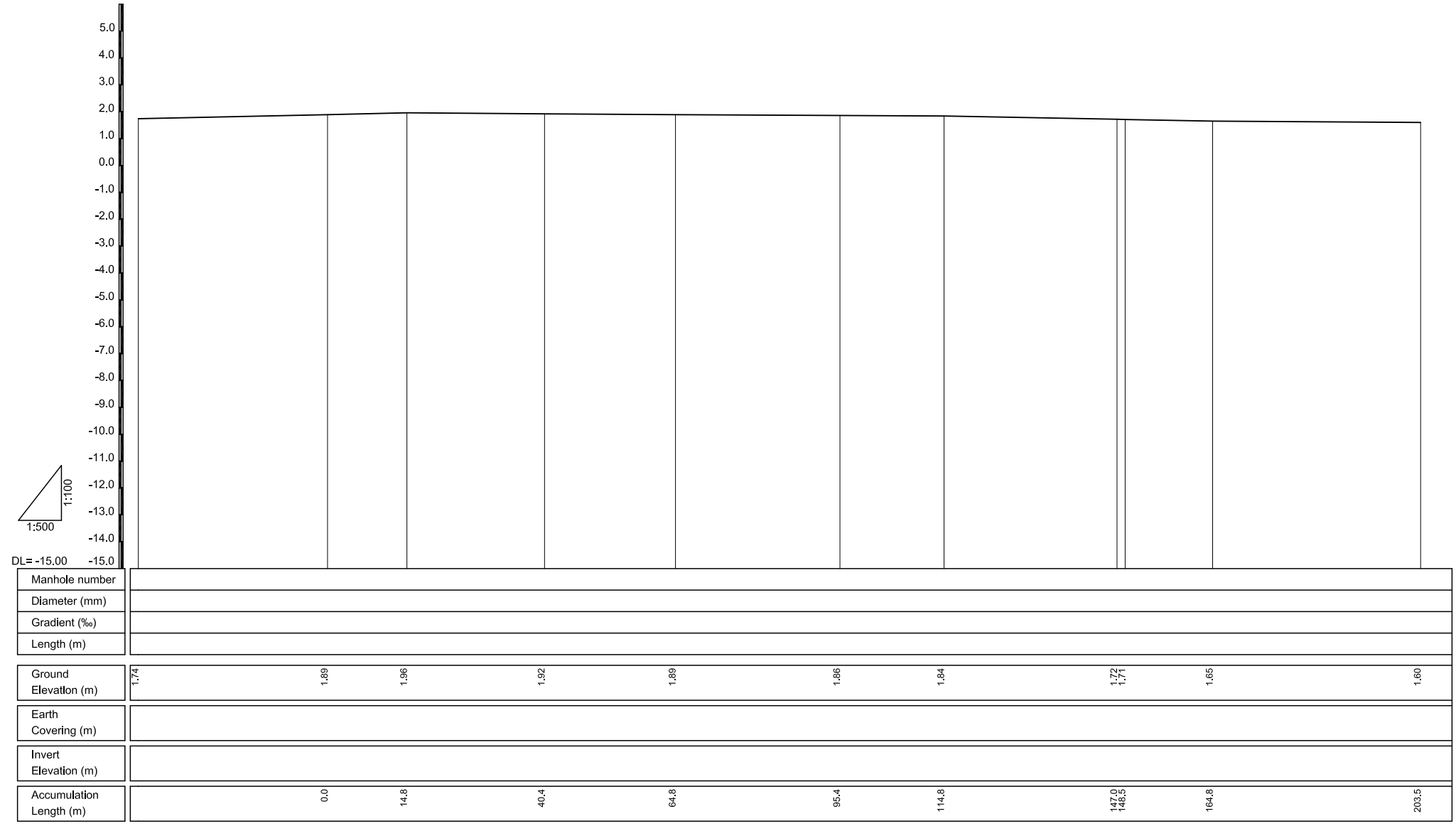
DESIGNED CHECKED

DATE : DWG. No.

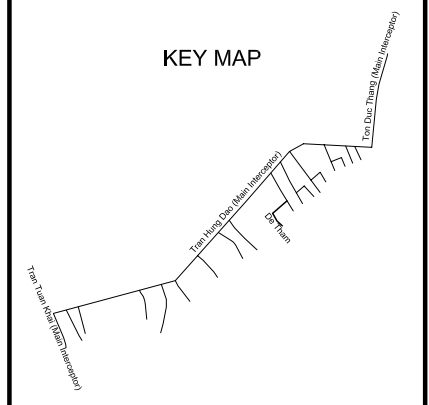
PLAN S = 1/500



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

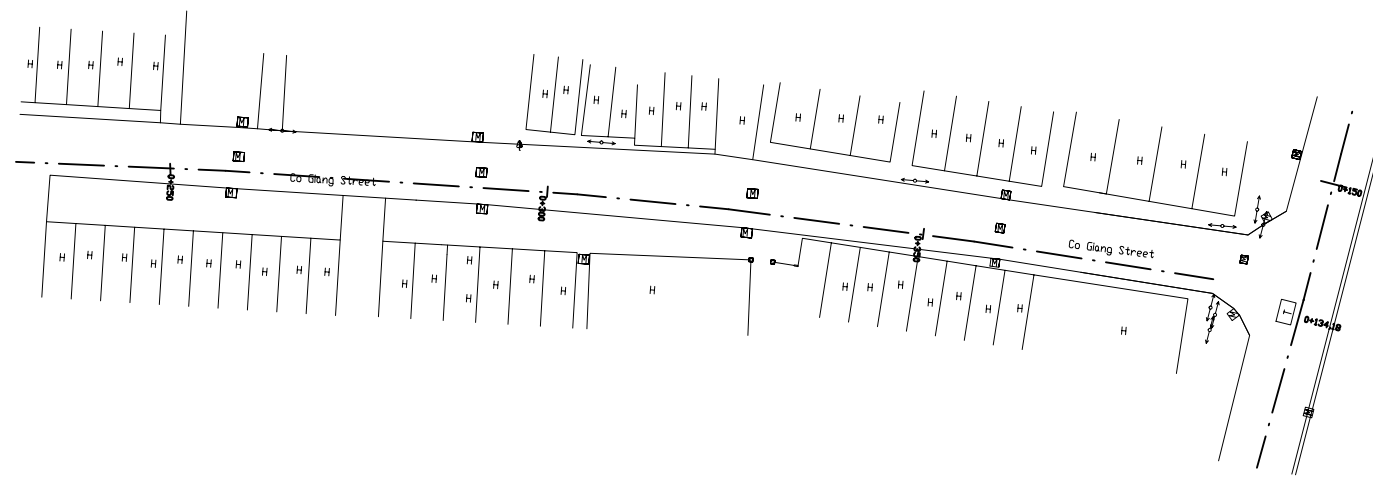


KEY MAP

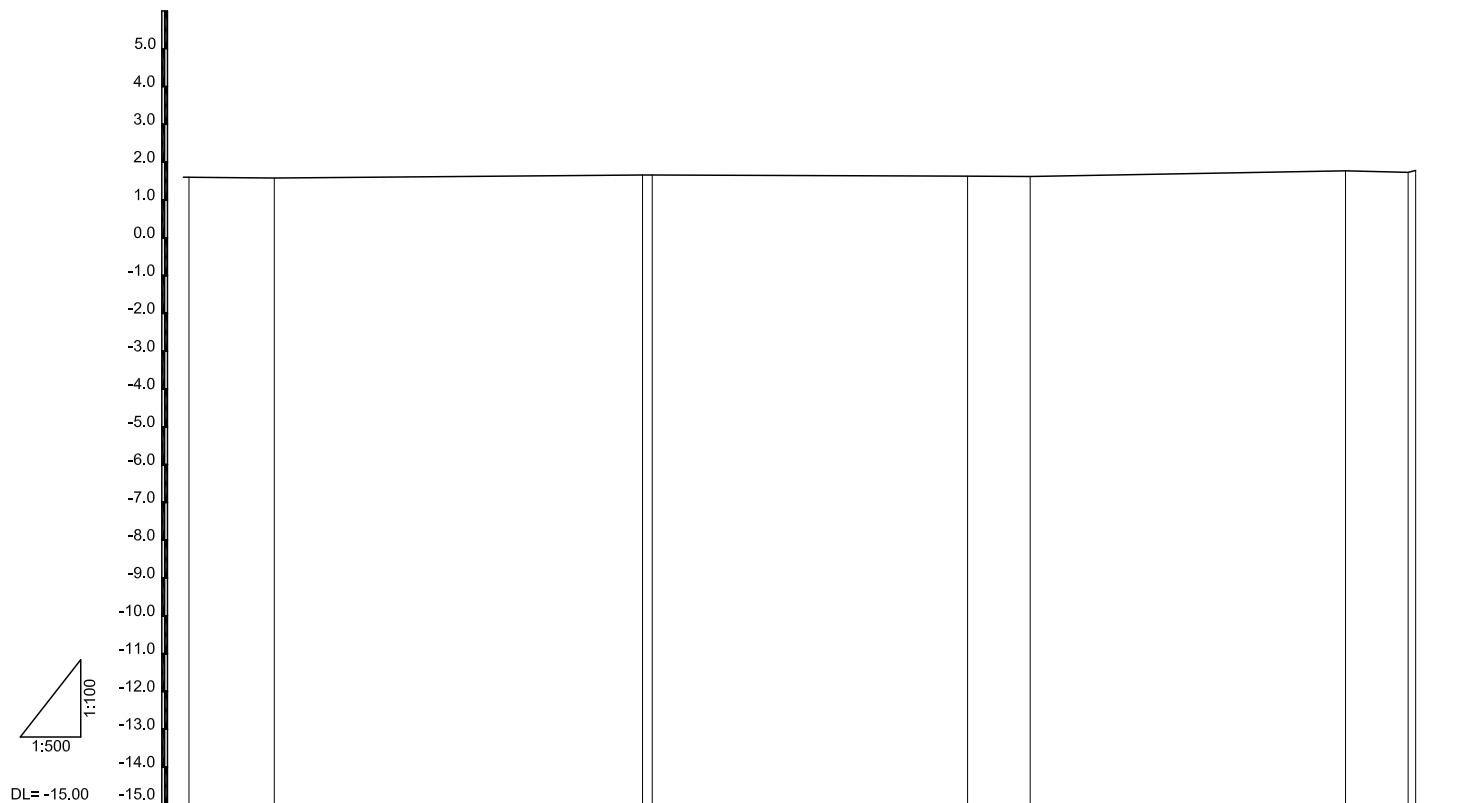


NO.	DATE	DESCRIPTIONS	BY	APPRO.
REVISIONS				
PROJECT MANAGEMENT UNIT FOR HO CHI MINH CITY WATER ENVIRONMENT IMPROVEMENT				
THE DETAILED DESIGN ON HO CHI MINH CITY WATER ENVIRONMENT IMPROVEMENT PROJECT IN THE SOCIALIST REPUBLIC OF VIET NAM				
PLAN AND LONGITUDINAL SURVEY OF SECONDARY INTERCEPTOR SEWER ROUTE (13)				
SCALE : AS SHOWN				
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)				
PACIFIC CONSULTANTS INTERNATIONAL				
DESIGNED		CHECKED		
DATE :		DWG. No.		

PLAN S = 1/500

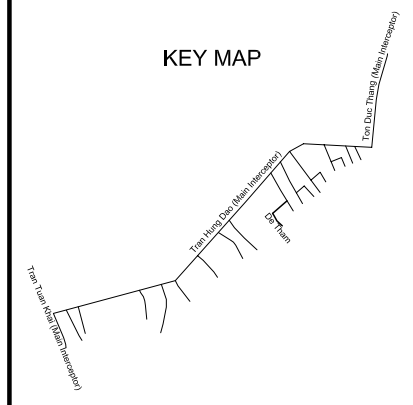


PROFILE S_H = 1/500, S_V = 1/100



Manhole number							
Diameter (mm)							
Gradient (%)							
Length (m)							
Ground Elevation (m)	1.60	1.58	1.66	1.63	1.62	1.77	1.78
Earth Covering (m)							
Invert Elevation (m)							
Accumulation Length (m)	203.5	214.8	263.8	306.5	314.8	356.5	

KEY MAP



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 LOGITUDINAL SURVEY OF
SECONDARY INTERCEPTOR
SEWER ROUTE (14)

SCALE : AS SHOWN

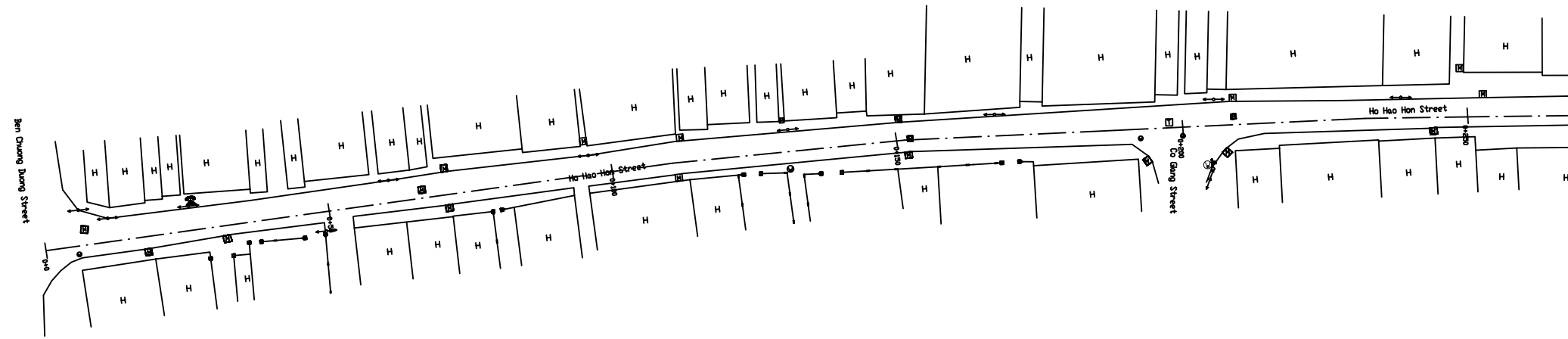
JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

PACIFIC CONSULTANTS INTERNATIONAL

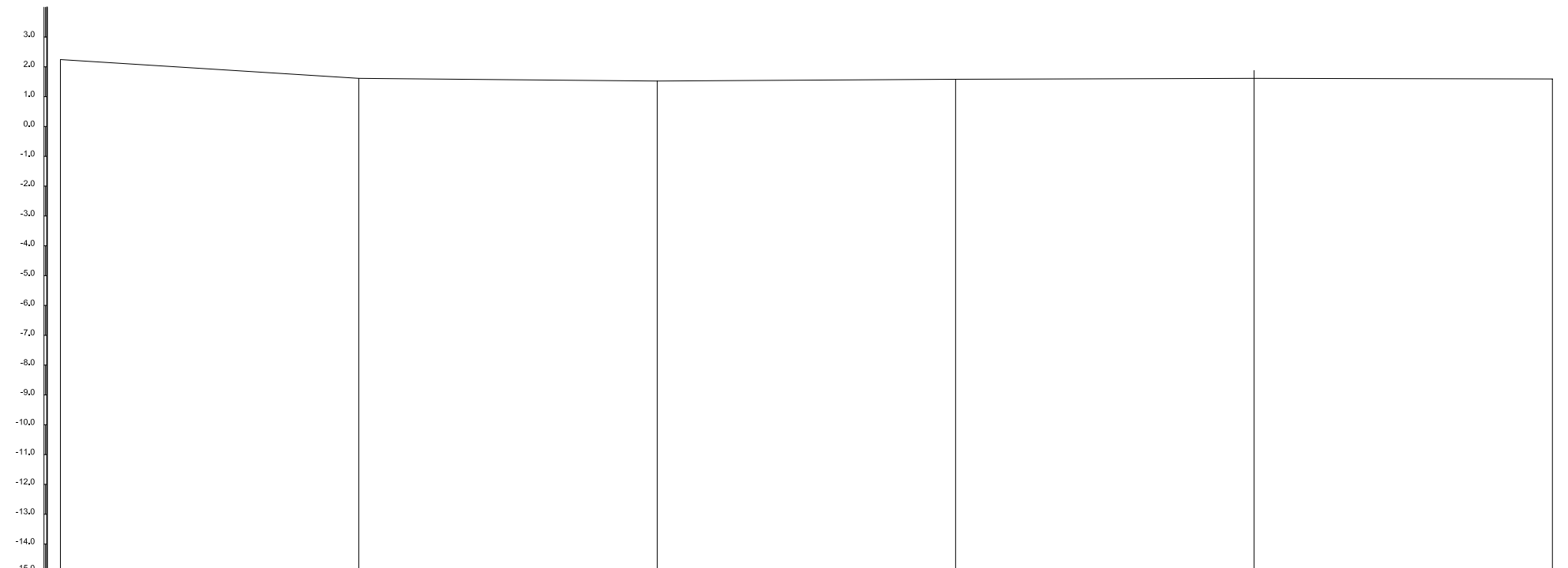
DESIGNED CHECKED

DATE : DWG. No.

PLAN S = 1/500

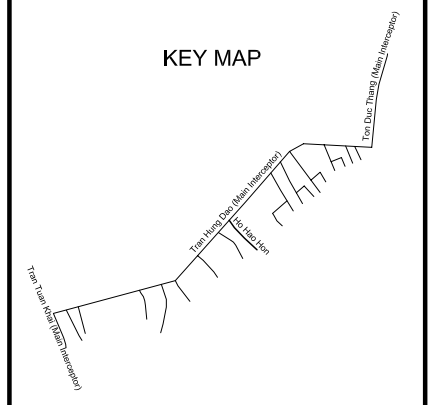


PROFILE S_H = 1/500, S_V = 1/100



Manhole Number						
Diameter (mm)						
Gradient (%)						
Length (m)						
Ground Elevation (m)	2.25	1.55	1.53	1.59	1.62	1.60
Earth Covering (m)	0.00					
Invert Elevation (m)	0.00					
Total Accumulation Length (m)	0.0	50.0	100.0	150.0	200.0	250.0

KEY MAP



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
SECONDARY INTERCEPTOR
SEWER ROUTE (15_1)**

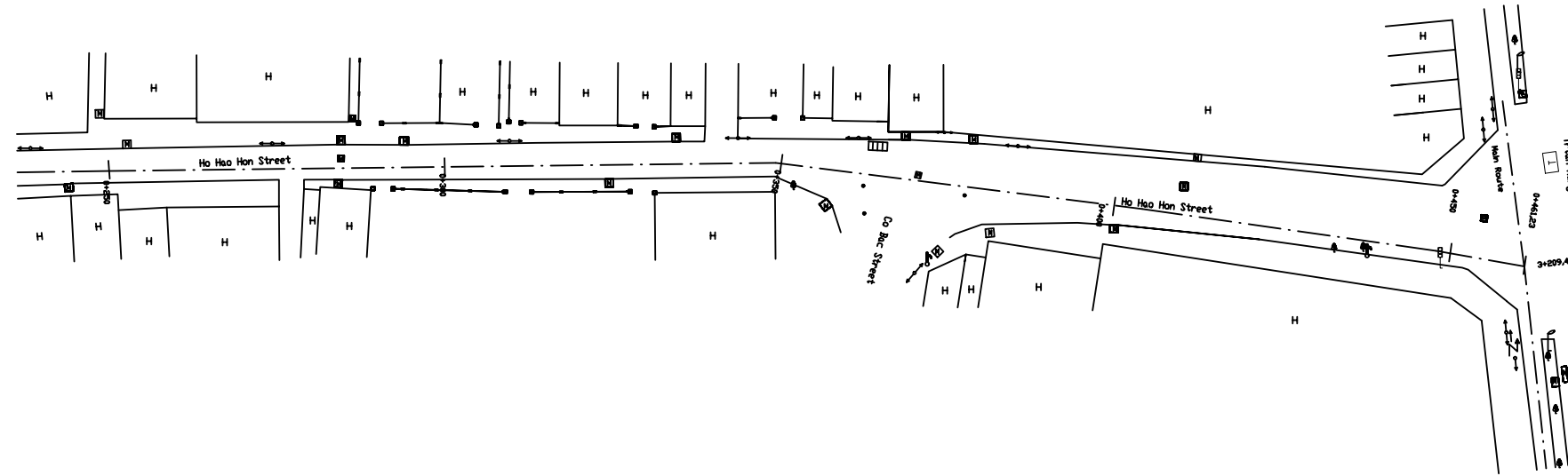
SCALE : AS SHOWN

 JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

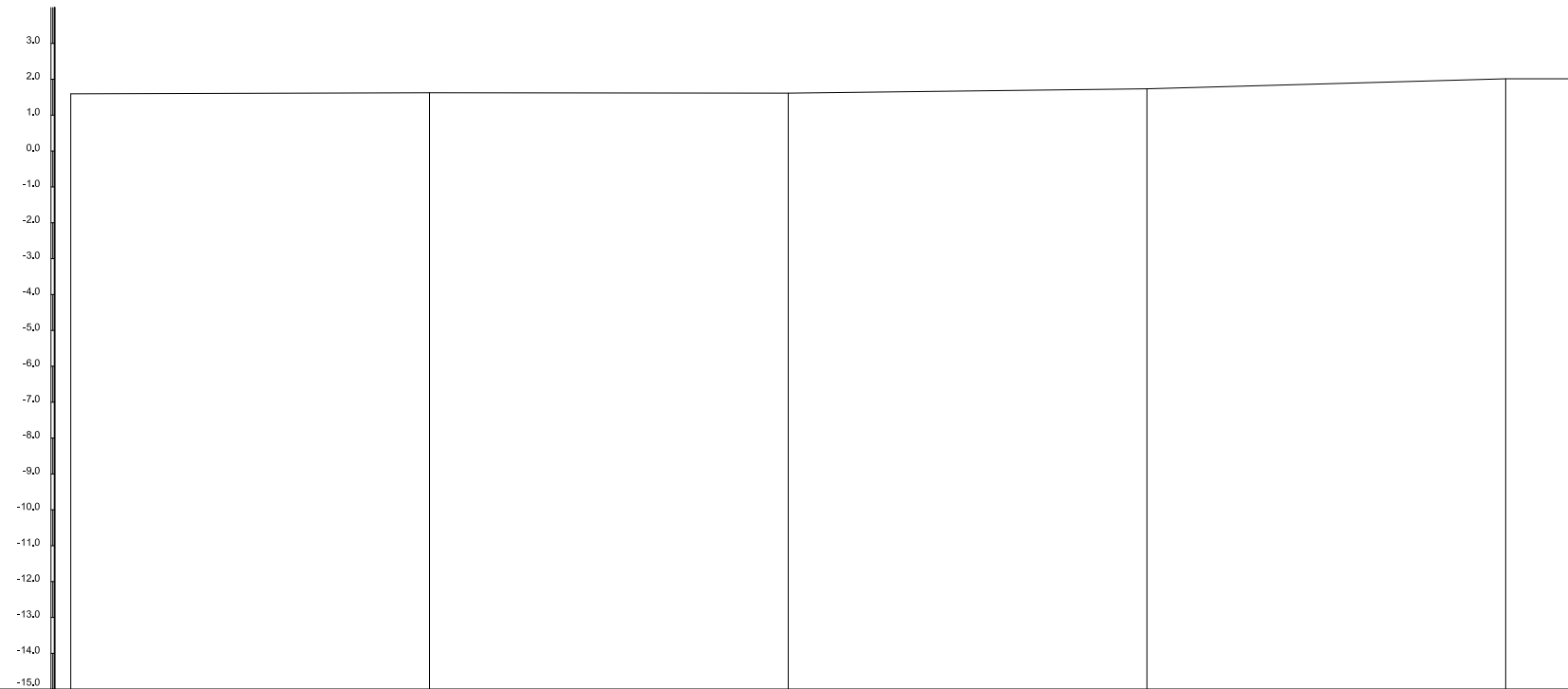
 PACIFIC CONSULTANTS INTERNATIONAL

DESIGNED	CHECKED
DATE :	DWG. No.

PLAN S = 1/500

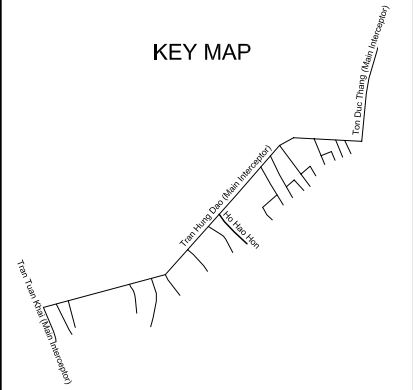


PROFILE S_H = 1/500, S_V = 1/100



Manhole Number					
Diameter (mm)					
Gradian (%)					
Length (m)					
Ground Elevation (m)	1.60	1.63	1.62	1.74	2.02
Earth Covering (m)	0.00				
Invert Elevation (m)	0.00				
Total Accumulation Length (m)	250.0	300.0	350.0	400.0	461.2

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

PLAN AND LONGITUDINAL SURVEY OF
SECONDARY INTERCEPTOR
SEWER ROUTE (15_2)

SCALE : AS SHOWN

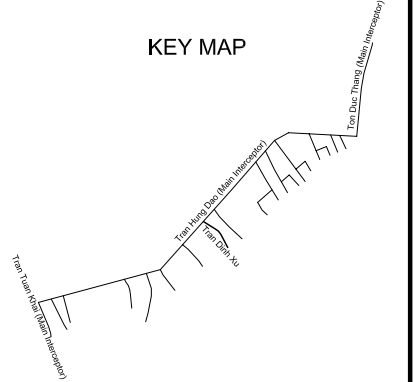
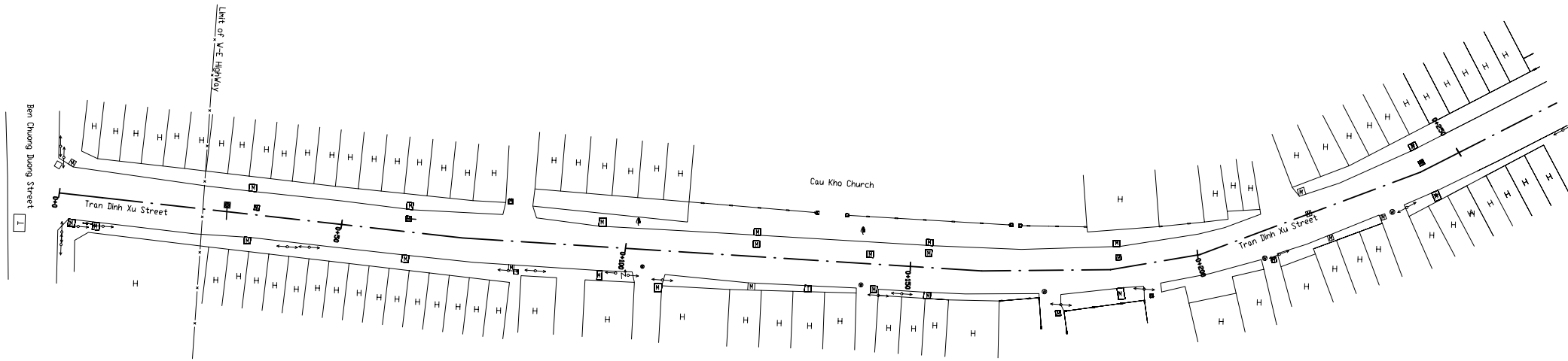
JICA JAPAN INTERNATIONAL COOPERATION
AGENCY (JICA)

PACIFIC CONSULTANTS INTERNATIONAL

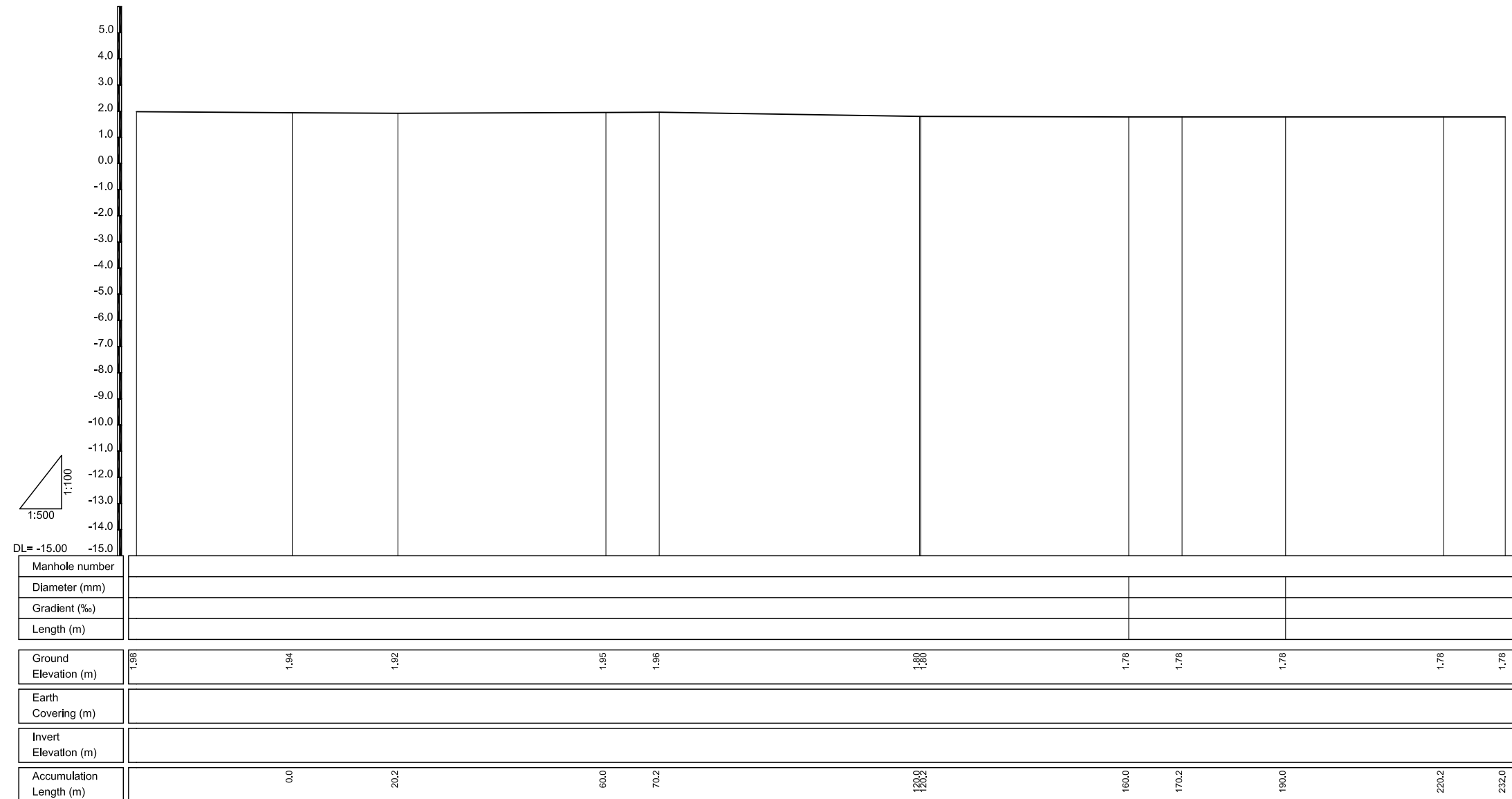
DESIGNED CHECKED

DATE : DWG. No.

PLAN S = 1/500

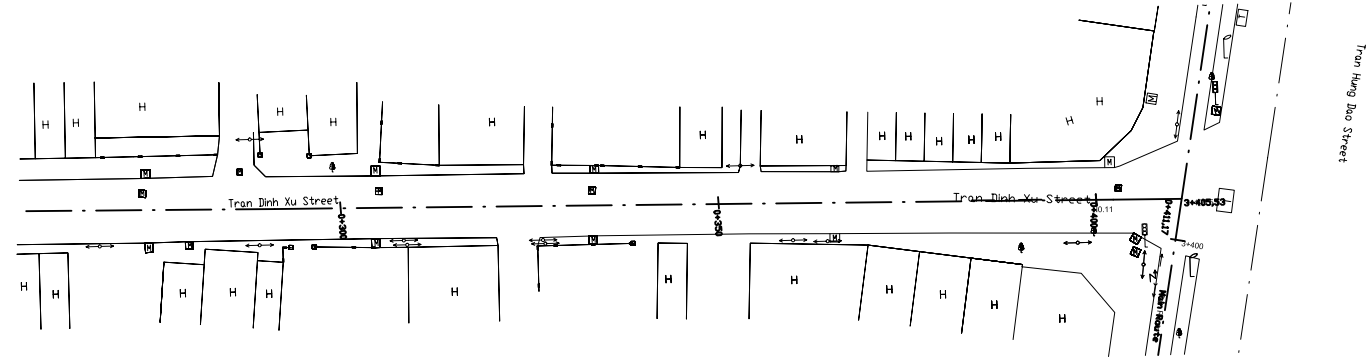


PROFILE $S_H = 1/500, S_V = 1/100$

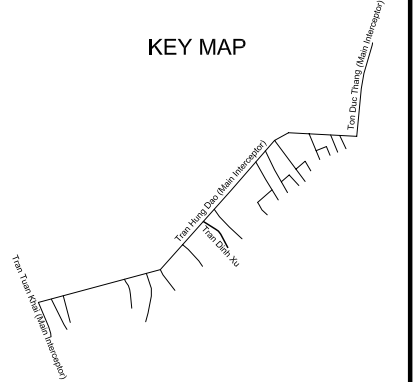
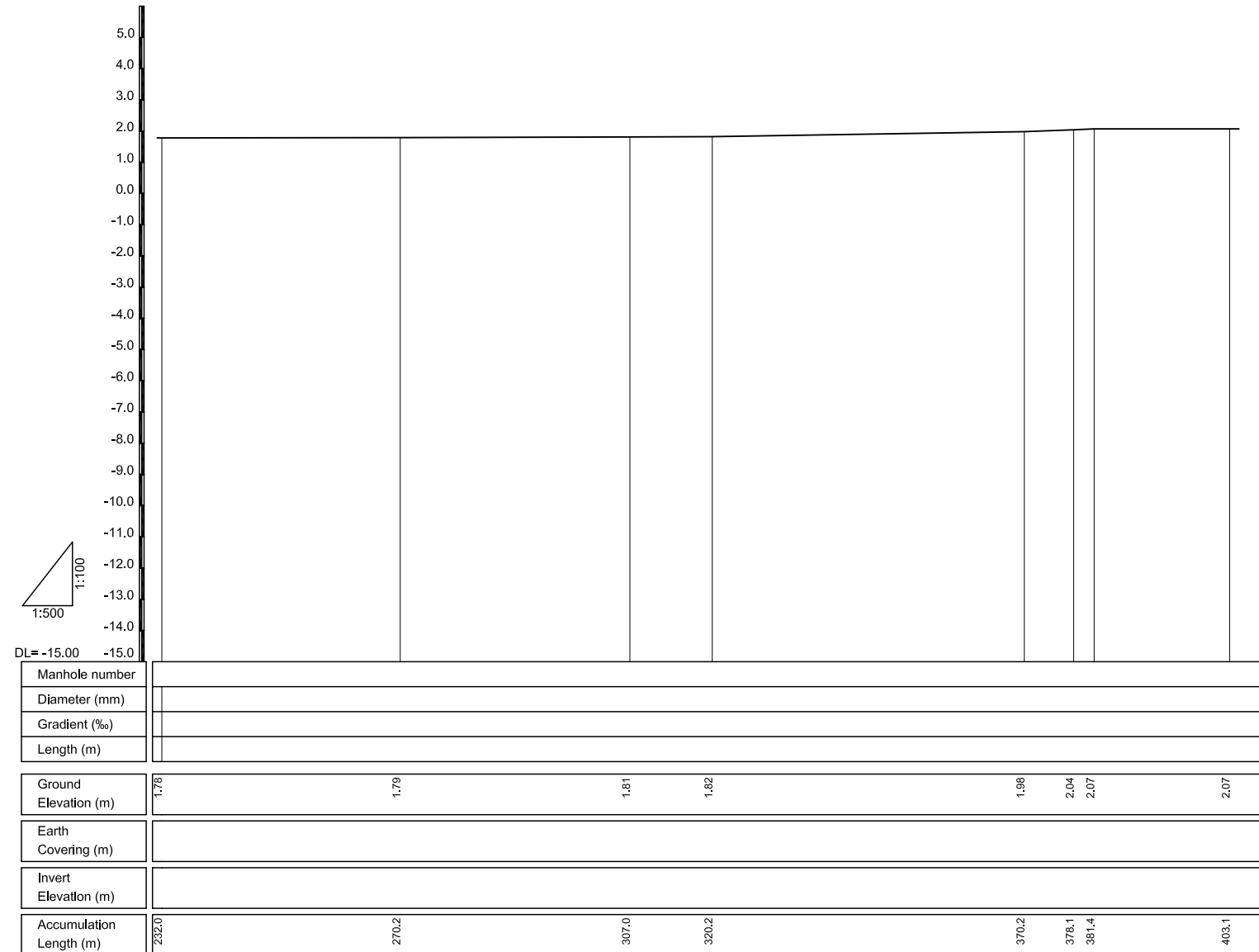


NO.	DATE	DESCRIPTIONS	BY	APPRO.
REVISIONS				
PROJECT MANAGEMENT UNIT FOR HO CHI MINH CITY WATER ENVIRONMENT IMPROVEMENT				
THE DETAILED DESIGN ON HO CHI MINH CITY WATER ENVIRONMENT IMPROVEMENT PROJECT IN THE SOCIALIST REPUBLIC OF VIET NAM				
PLAN AND LONGITUDINAL SURVEY OF SECONDARY INTERCEPTOR SEWER ROUTE (16)				
SCALE : AS SHOWN				
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)				
PACIFIC CONSULTANTS INTERNATIONAL				
DESIGNED		CHECKED		
DATE :		DWG. No.		

PLAN S = 1/500

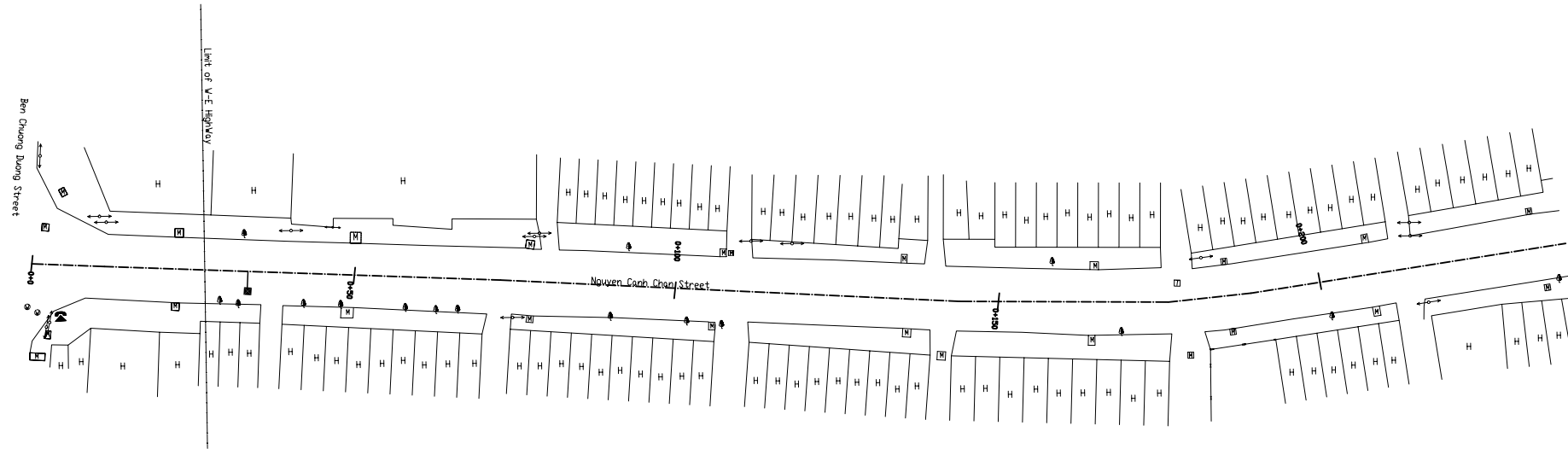


PROFILE S_H = 1/500, S_V = 1/100

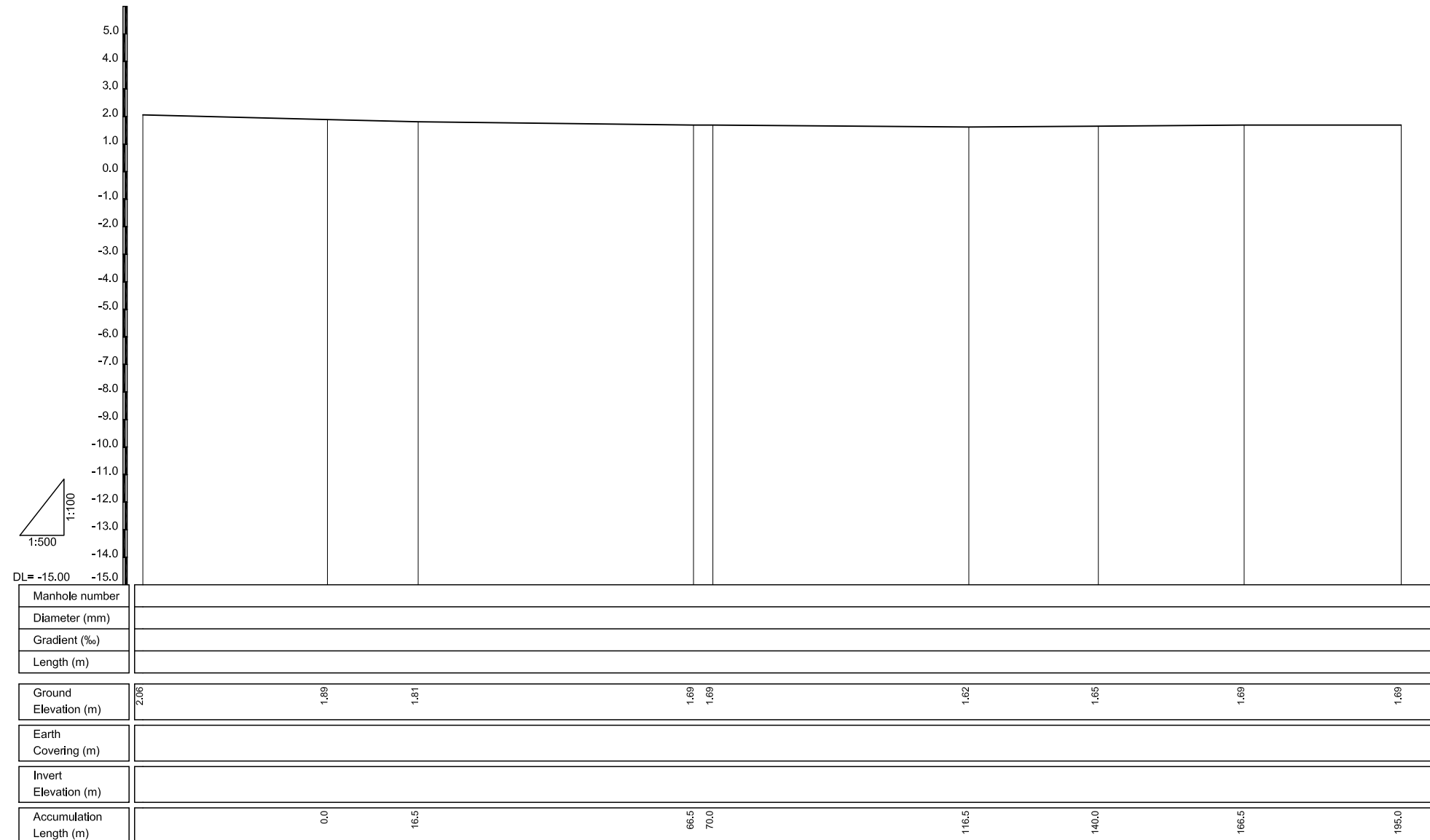


NO.	DATE	DESCRIPTIONS	BY	APRO.
REVISIONS				
PROJECT MANAGEMENT UNIT FOR HO CHI MINH CITY WATER ENVIRONMENT IMPROVEMENT				
THE DETAILED DESIGN ON HO CHI MINH CITY WATER ENVIRONMENT IMPROVEMENT PROJECT IN THE SOCIALIST REPUBLIC OF VIET NAM				
PLAN AND LONGITUDINAL SURVEY OF SECONDARY INTERCEPTOR SEWER ROUTE (17)				
SCALE : AS SHOWN				
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)				
PACIFIC CONSULTANTS INTERNATIONAL				
DESIGNED		CHECKED		
DATE :		DWG. No.		

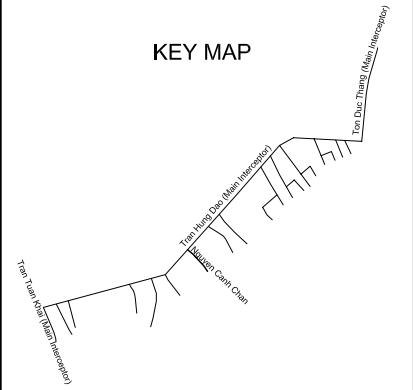
PLAN S = 1/500



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



KEY MAP



NO.	DATE	DESCRIPTIONS	BY	APPRO.

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
SECONDARY INTERCEPTOR
SEWER ROUTE (18)

SCALE : AS SHOWN

JICA JAPAN INTERNATIONAL COOPERATION
AGENCY (JICA)

PACIFIC CONSULTANTS INTERNATIONAL

DESIGNED CHECKED

DATE : DWG. No.

