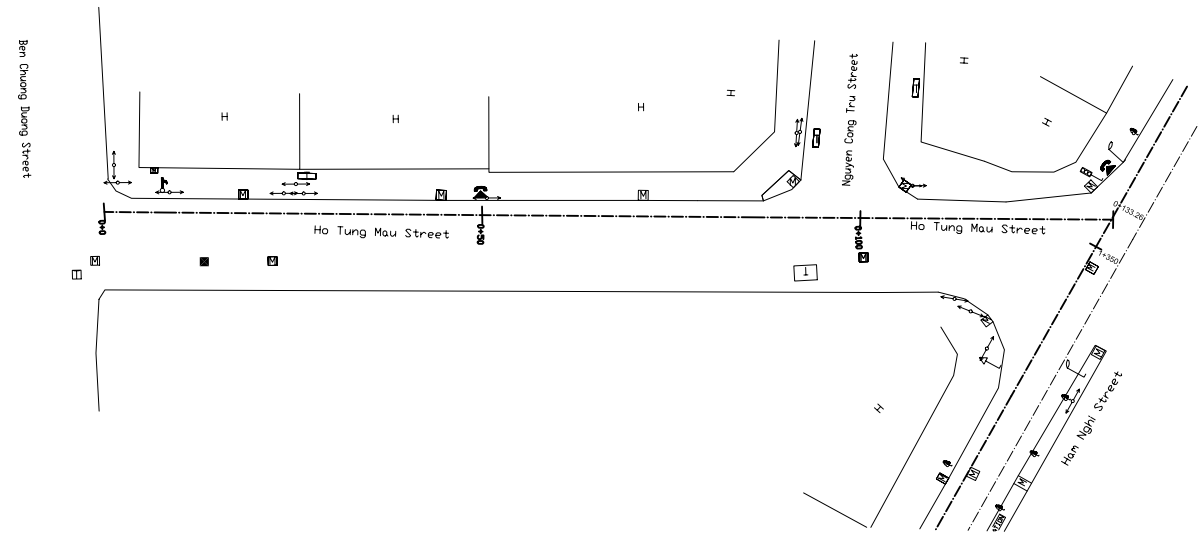
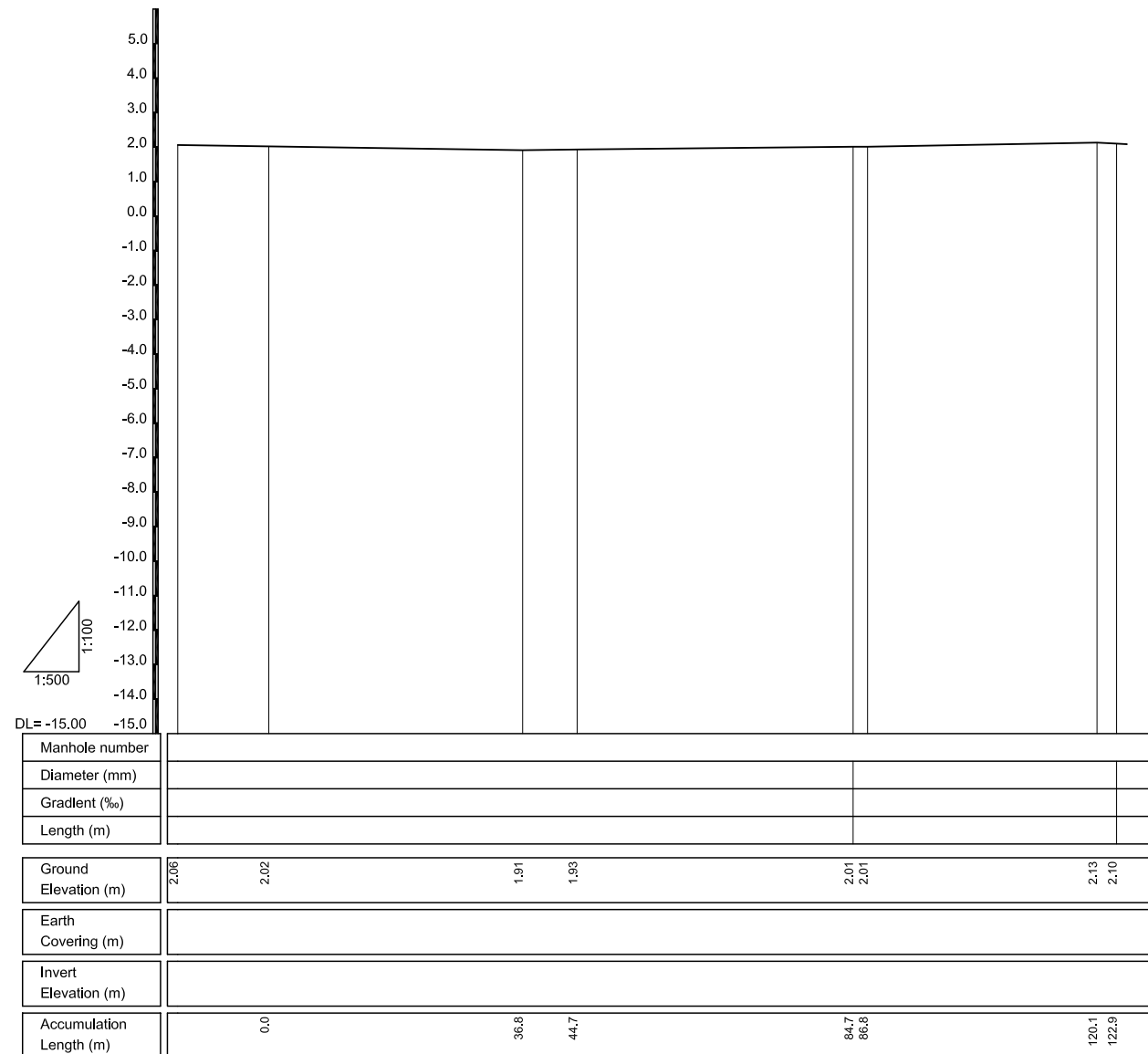


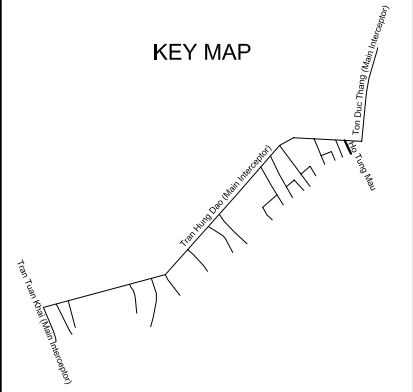
PLAN S = 1/500



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 (1)

SCALE : AS SHOWN

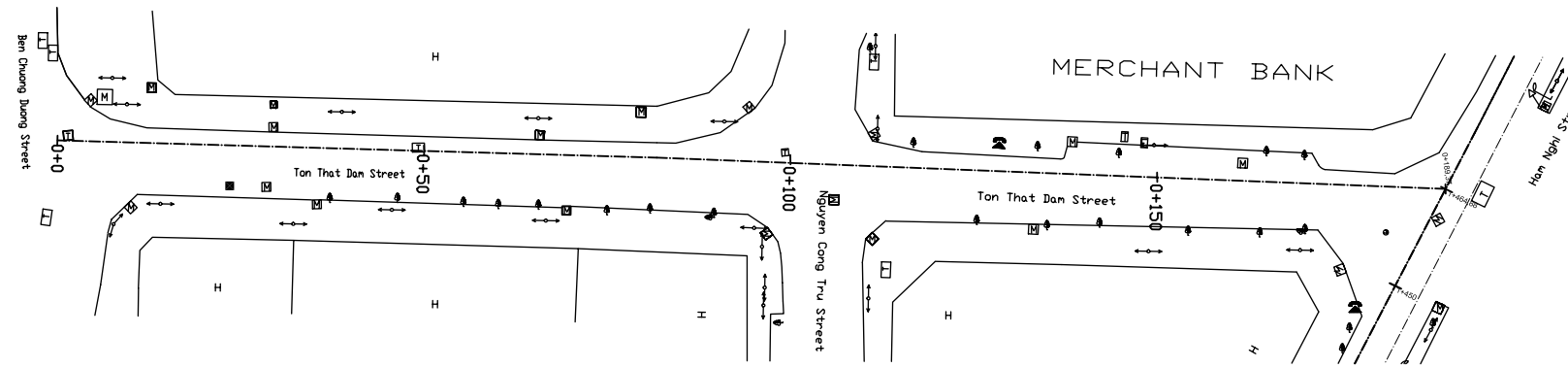
JICA JAPAN INTERNATIONAL COOPERATION
AGENCY (JICA)

PACIFIC CONSULTANTS INTERNATIONAL

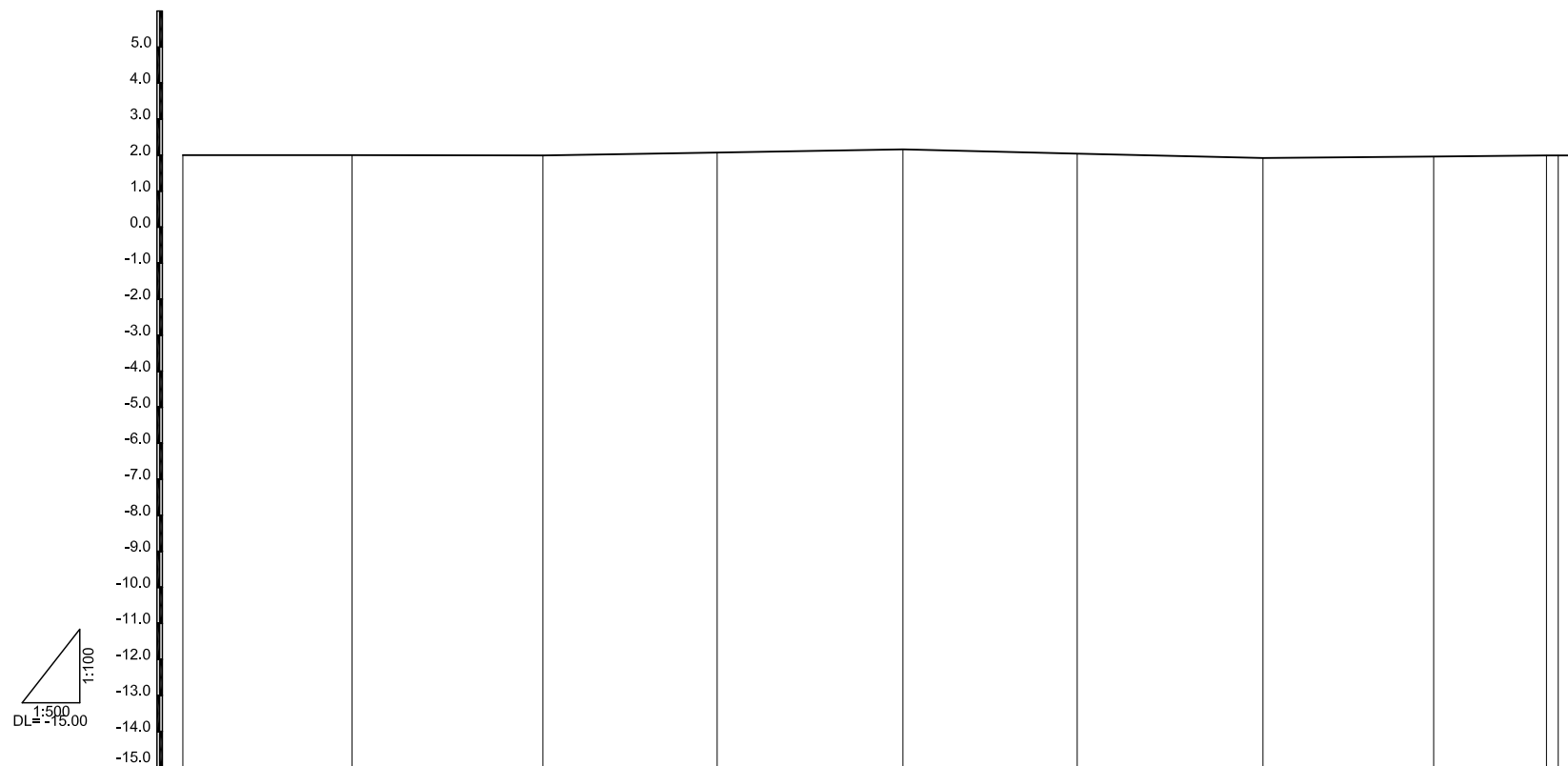
DESIGNED CHECKED

DATE : DWG. No.

PLAN S = 1/500

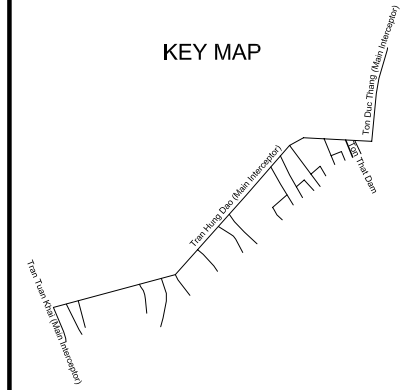


PROFILE SH = 1/500, Sv = 1/100



Manhole number										
Diameter (mm)										
Gradient(‰)										
Length (m)										
Ground Elevation (m)	2.00	2.00	1.99	2.07	2.16	2.04	1.92	1.96	1.89	1.89
Earth Covering (m)										
Invert Elevation (m)										
Accumulation Length (m)	0.0	26.5	50.7	76.5	100.7	126.5	150.2	165.9	167.5	

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 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 (2)

SCALE : AS SHOWN

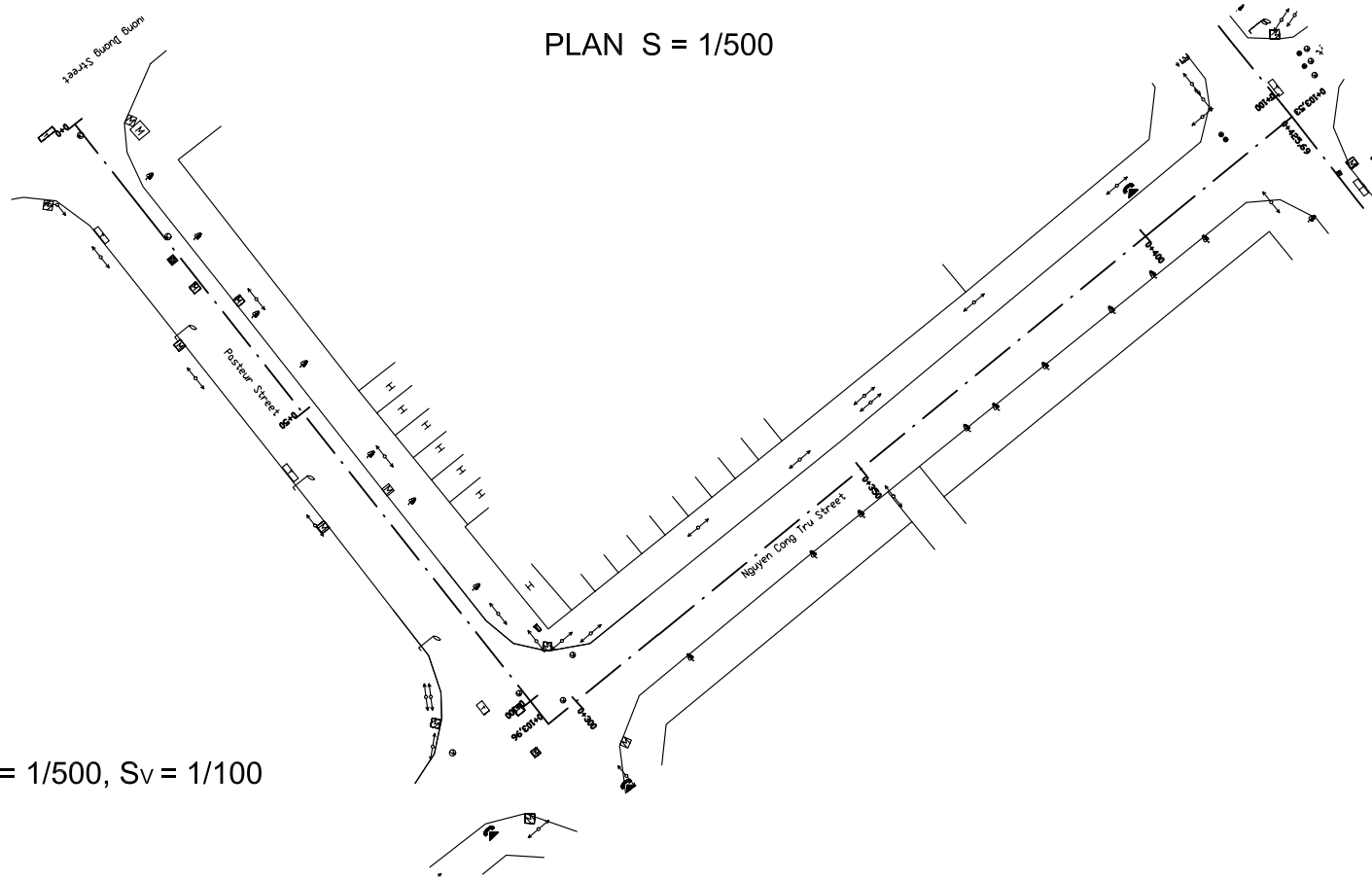
JICA JAPAN INTERNATIONAL COOPERATION
AGENCY (JICA)

PACIFIC CONSULTANTS INTERNATIONAL

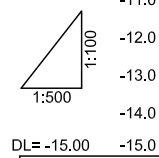
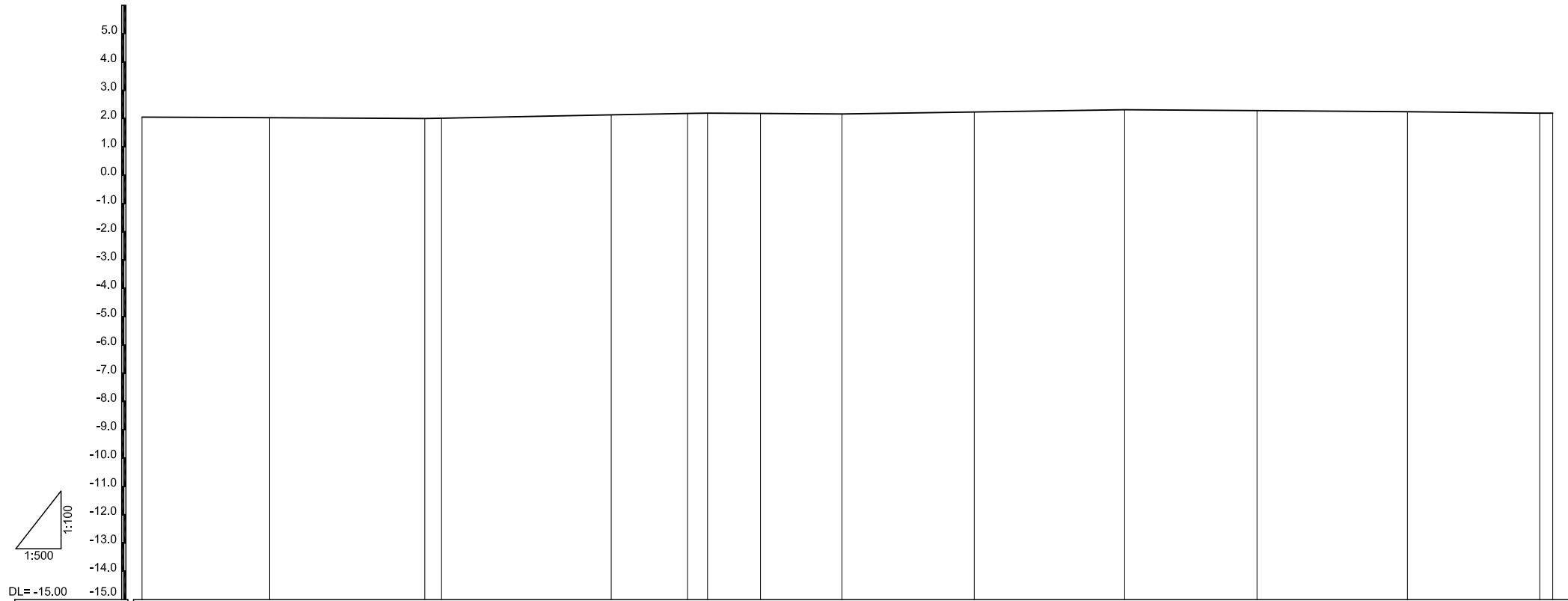
DESIGNED _____ CHECKED _____

DATE : _____ DWG. No. _____

PLAN S = 1/500

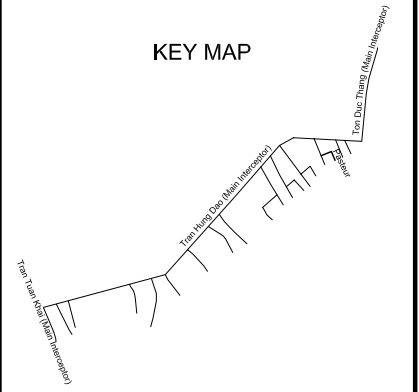


PROFILE SH= 1/500, Sv = 1/100



Manhole number															
Diameter (mm)															
Gradient(‰)															
Length (m)															
Ground Elevation (m)	2.75	2.03	2.00	2.01	2.13	2.18	2.19	2.18	2.16	2.23	2.31	2.28	2.24	2.19	2.19
Earth Covering (m)															
Invert Elevation (m)															
Accumulation Length (m)	0.0	27.4	30.4	60.4	73.9	77.4	86.8	101.2	124.6	151.2	174.6	201.2	224.6		

KEY MAP



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 (3)

SCALE : AS SHOWN

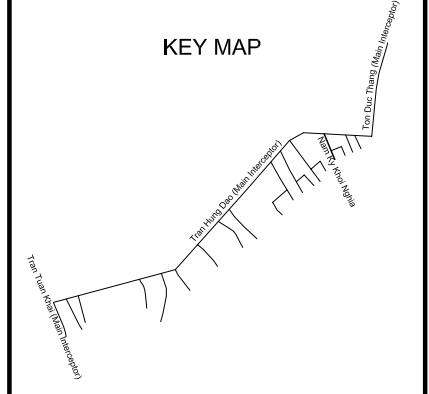
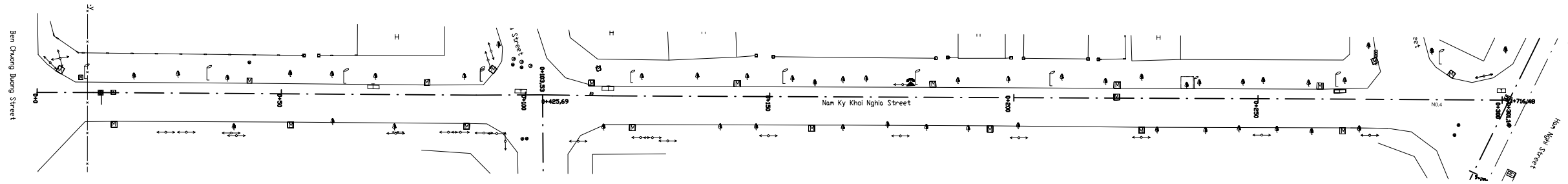
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

PACIFIC CONSULTANTS INTERNATIONAL

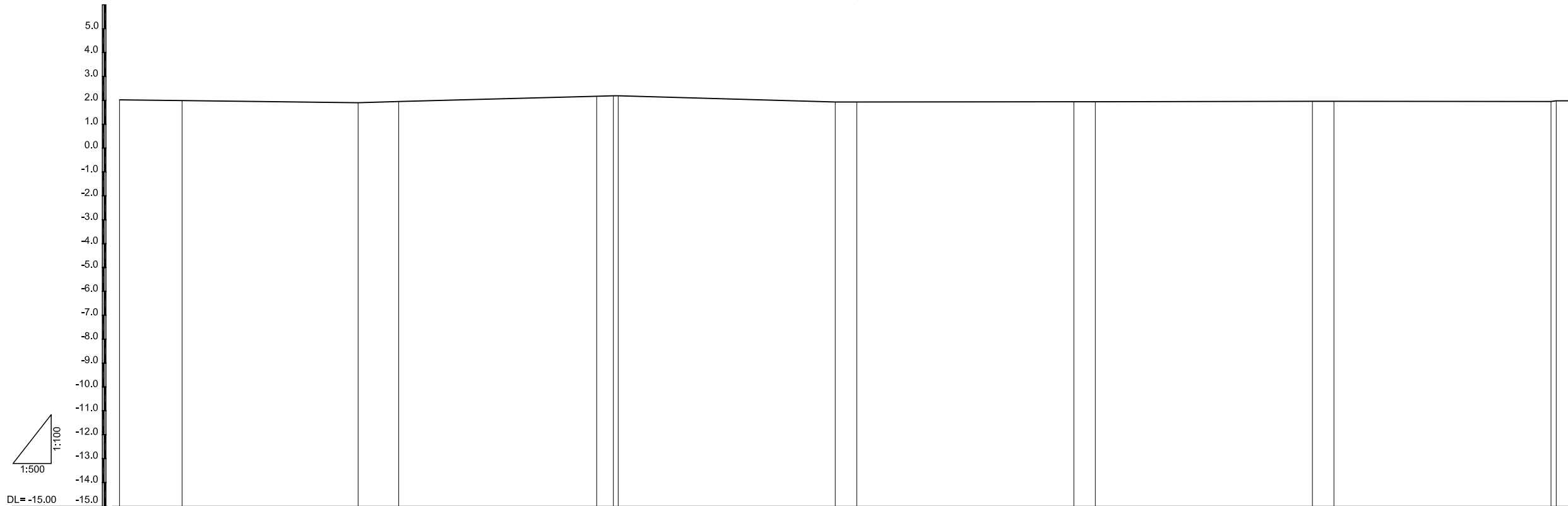
DESIGNED _____ CHECKED _____

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)	2.02	1.99	1.90	1.95	2.17	2.19	1.93	1.93	1.94	1.94	1.96	1.96	1.95	1.98
Earth Covering (m)														
Invert Elevation (m)														
Accumulation Length (m)	0.0	36.9	45.4	86.9	90.4	91.4	136.9	141.4	186.9	191.4	236.9	241.4	286.9	290.7

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 (4)

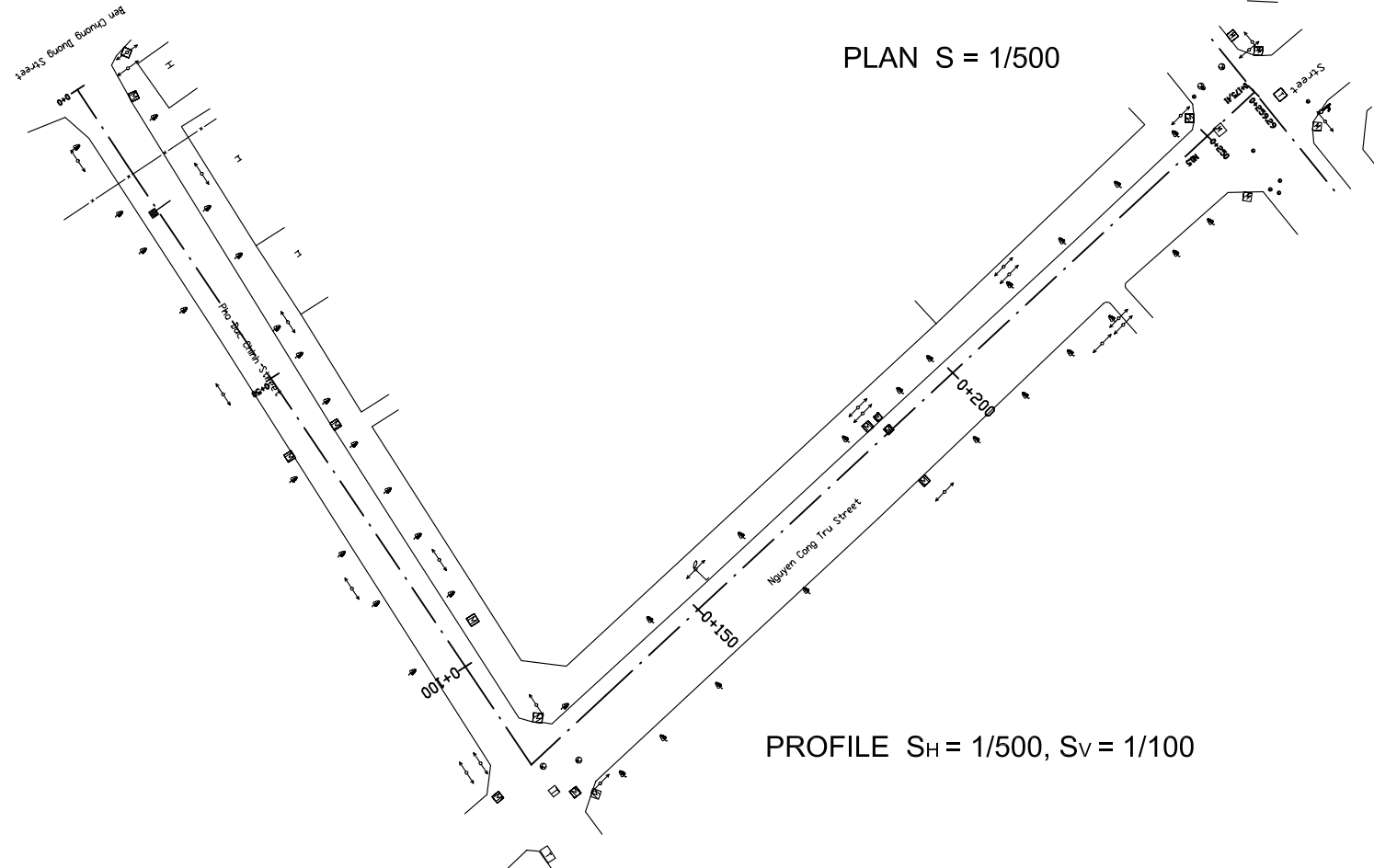
SCALE : AS SHOWN

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

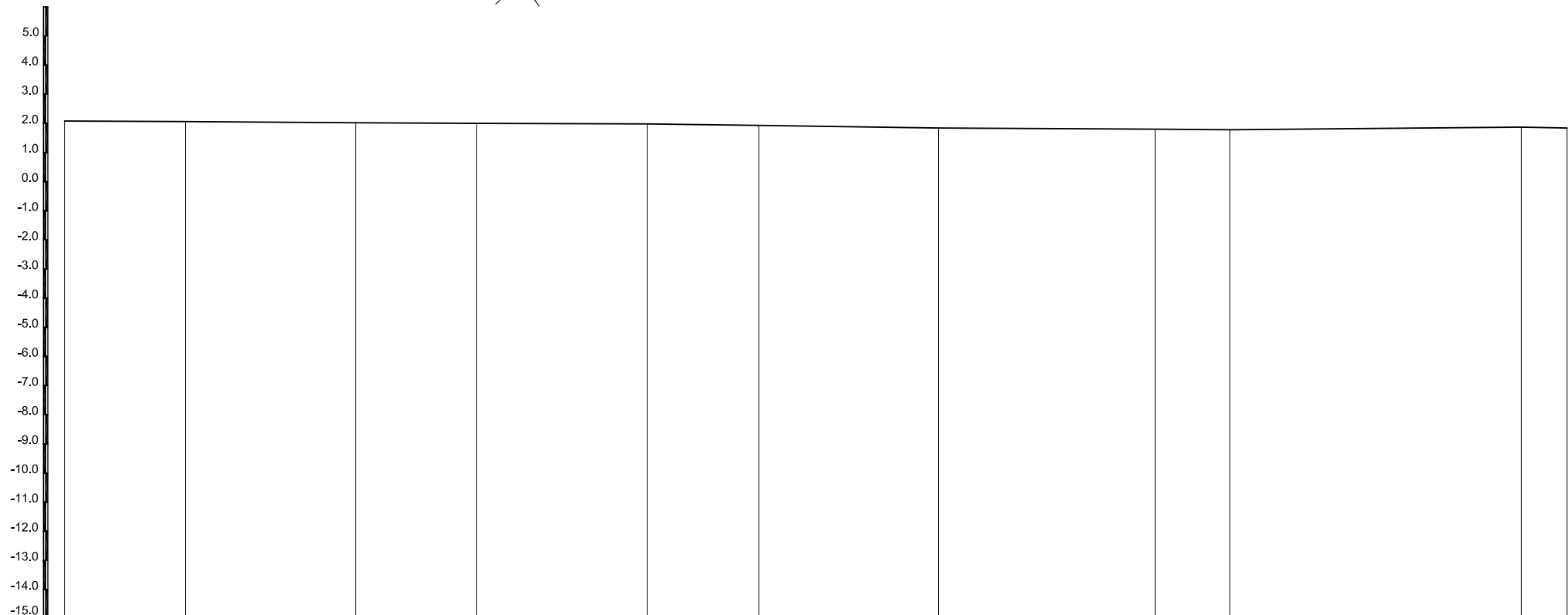
PACIFIC CONSULTANTS INTERNATIONAL

DESIGNED _____ CHECKED _____

DATE : _____ DWG. No. _____

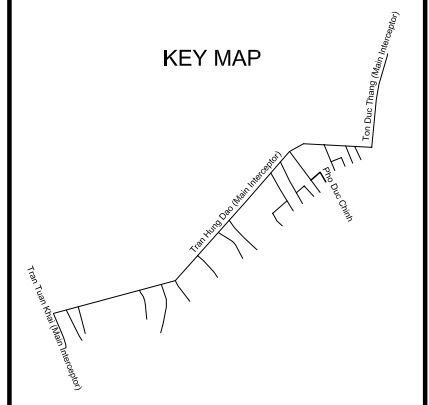


PROFILE S_H = 1/500, S_V = 1/100



DL = -15.00

Manhole number											
Diameter (mm)											
Gradient (%)											
Length (m)											
Ground Elevation (m)	2.06	2.06	2.02	2.00	1.98	1.93	1.84	1.80	1.78	1.87	1.84
Earth Covering (m)											
Invert Elevation (m)											
Accumulation Length (m)	0.0	29.2	50.0	79.2	98.4	129.2	166.4	179.2	229.2	237.1	



NO.	DATE	DESCRIPTIONS	BY	APPRO.

REVISIONS

PROJECT MANAGEMENT UNIT FOR
HO CHI MINH CITY
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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 (5)

SCALE : AS SHOWN

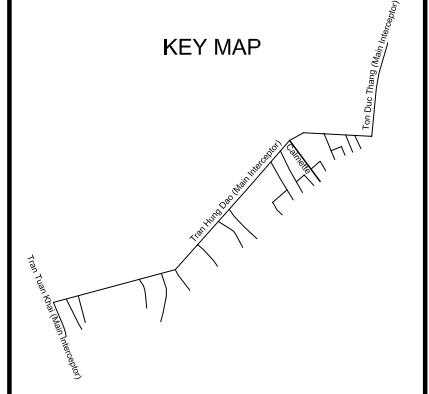
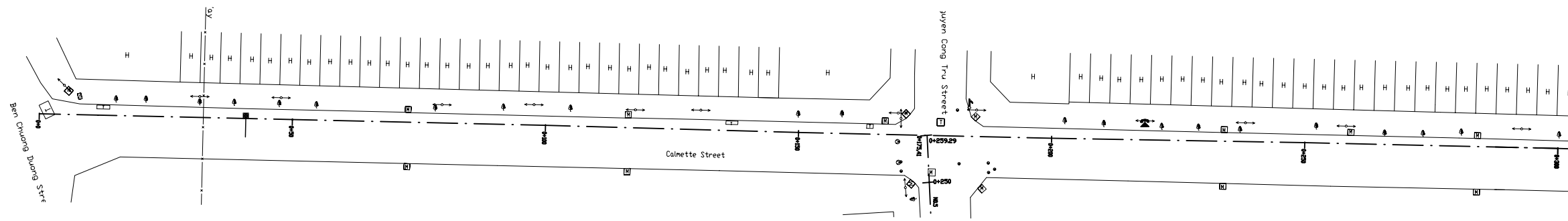
JICA JAPAN INTERNATIONAL COOPERATION
AGENCY (JICA)

PACIFIC CONSULTANTS INTERNATIONAL

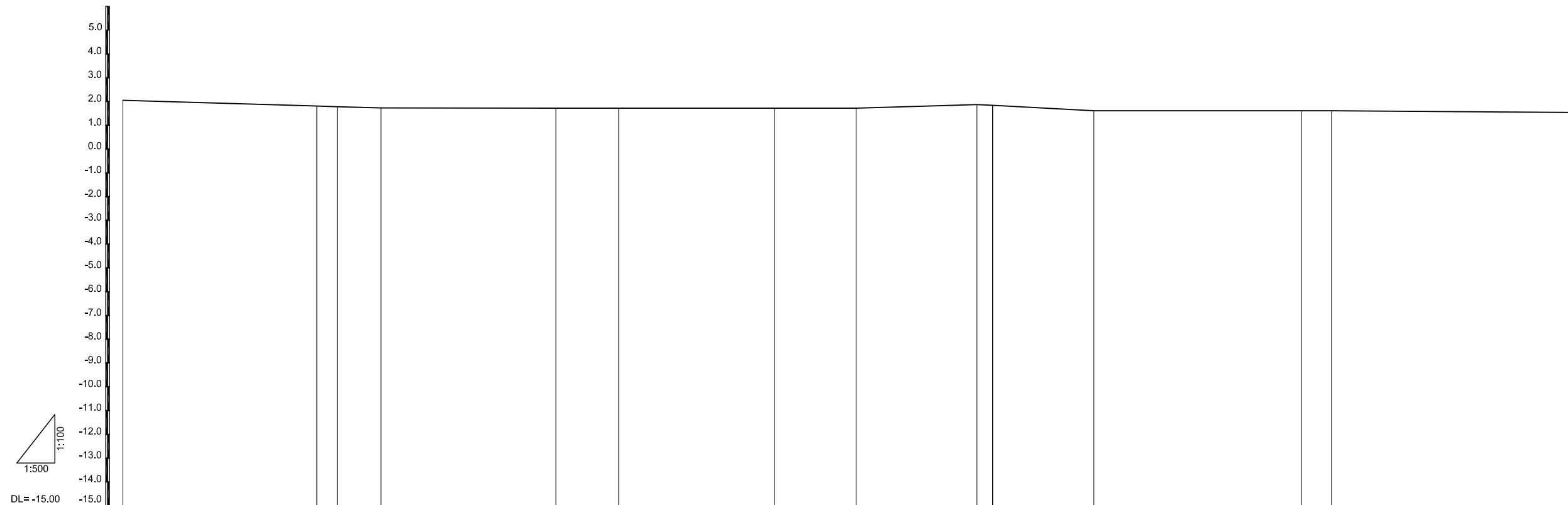
DESIGNED CHECKED

DATE : DWG. No.

PLAN S = 1/500



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



Manhole number																
Diameter (mm)																
Gradient (%)																
Length (m)																
Ground Elevation (m)	2.05	1.81	1.78	1.73		1.72	1.72		1.72	1.72	1.87	1.84	1.61	1.61	1.54	
Earth Covering (m)																
Invert Elevation (m)																
Accumulation Length (m)		0.0	4.3	13.5		50.3	63.5		96.3	113.5	136.9	142.2	163.5	207.2	213.5	263.5

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 (6)

SCALE : AS SHOWN

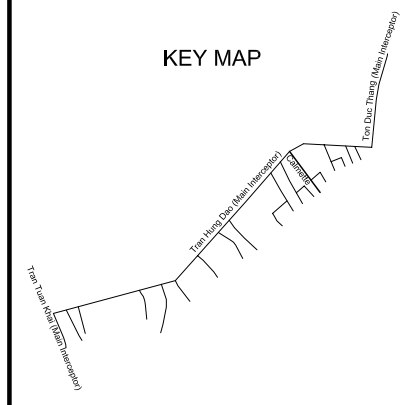
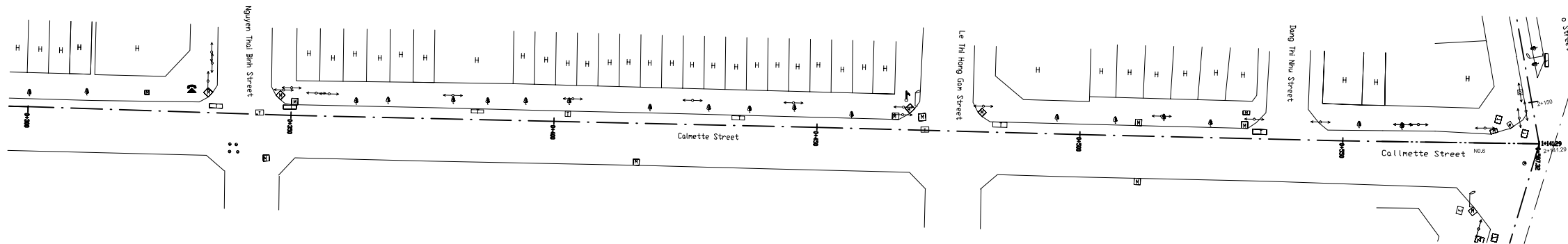
JICA JAPAN INTERNATIONAL COOPERATION
AGENCY (JICA)

PACIFIC CONSULTANTS INTERNATIONAL

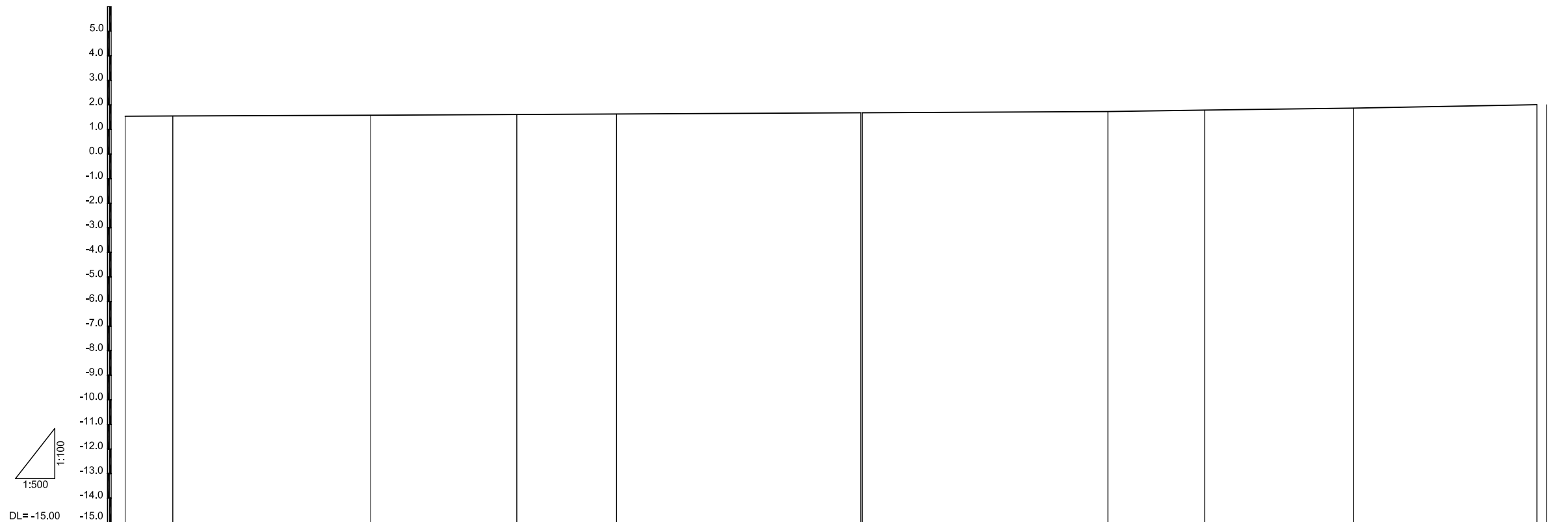
DESIGNED _____ CHECKED _____

DATE : _____ DWG. No. _____

PLAN S = 1/500



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



Manhole number										
Diameter (mm)										
Gradient (%)										
Length (m)										
Ground Elevation (m)	1.54	1.55	1.58	1.61	1.63	1.68	1.73	1.79	1.87	2.01
Earth Covering (m)										
Invert Elevation (m)										
Accumulation Length (m)	263.5	273.2	313.5	343.2	363.5	413.2	463.5	483.2	513.5	550.8 552.8

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 (7)

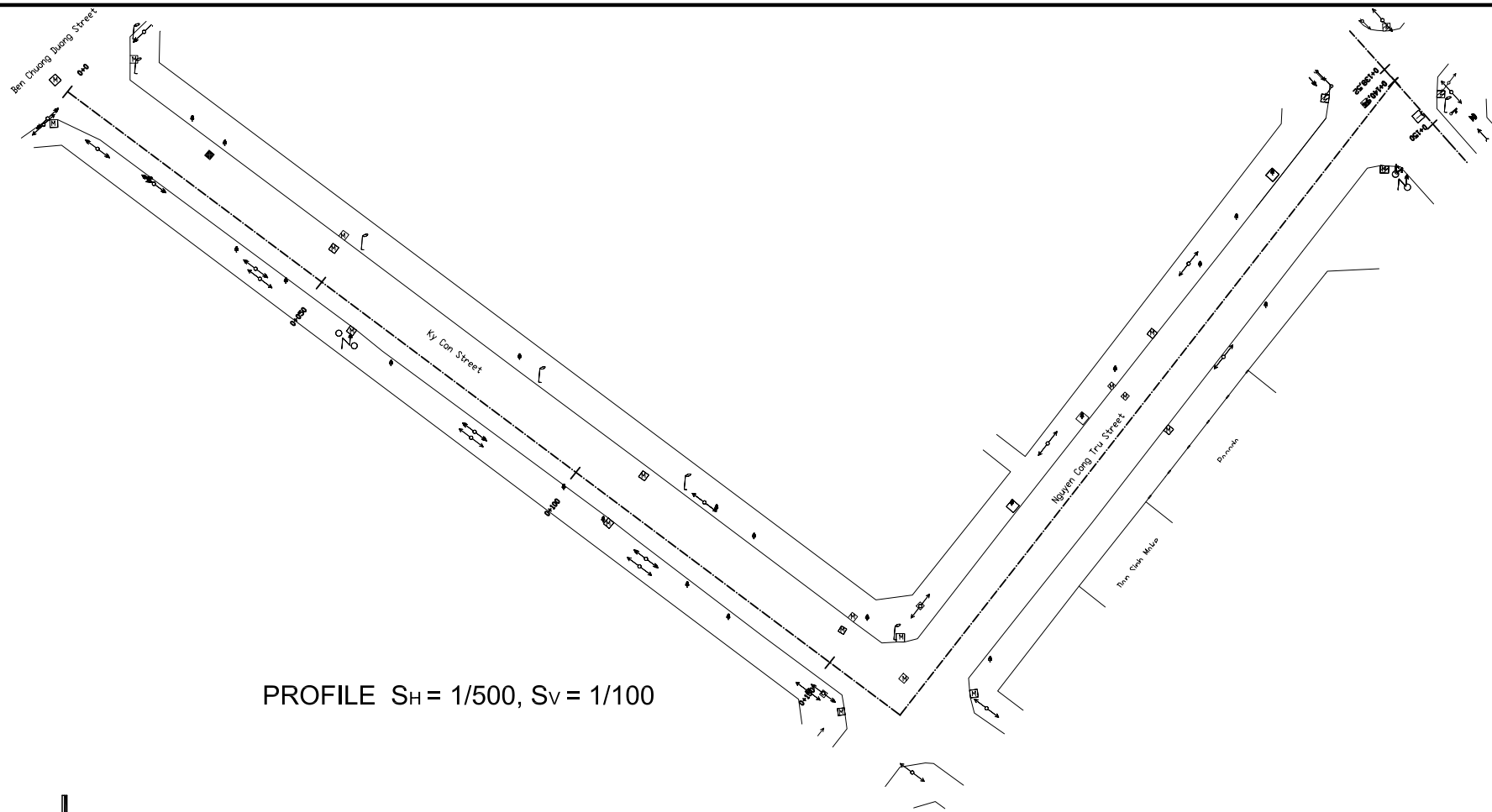
SCALE : AS SHOWN

JICA JAPAN INTERNATIONAL COOPERATION
AGENCY (JICA)

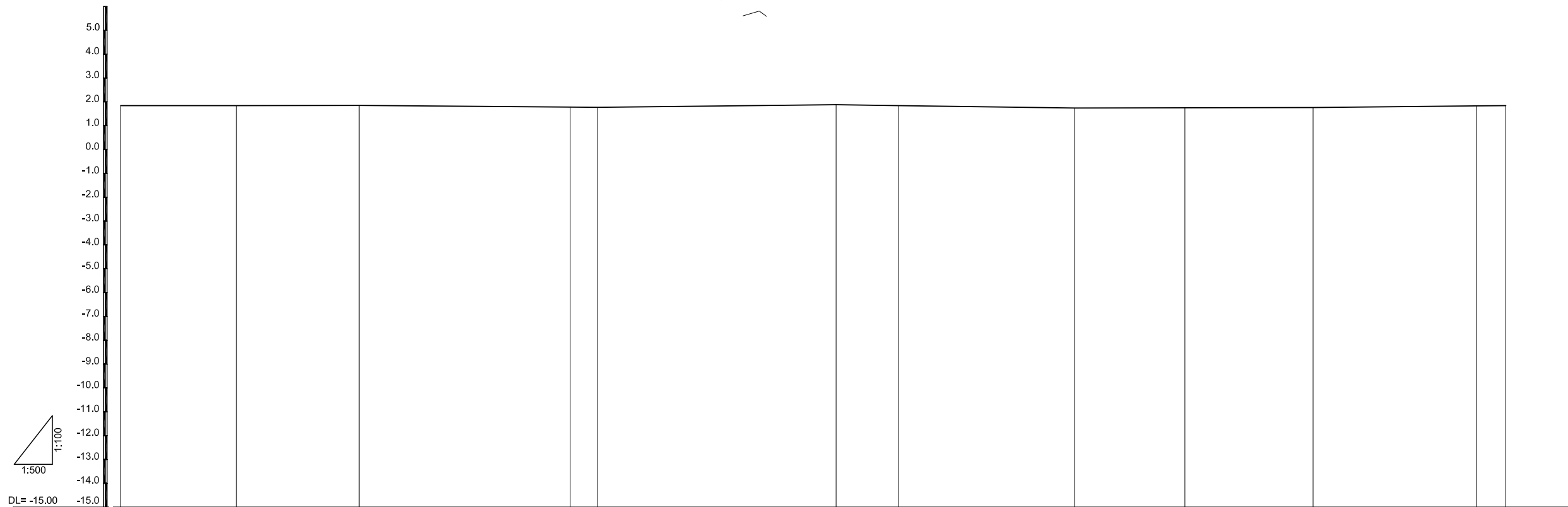
PACIFIC CONSULTANTS INTERNATIONAL

DESIGNED _____ CHECKED _____

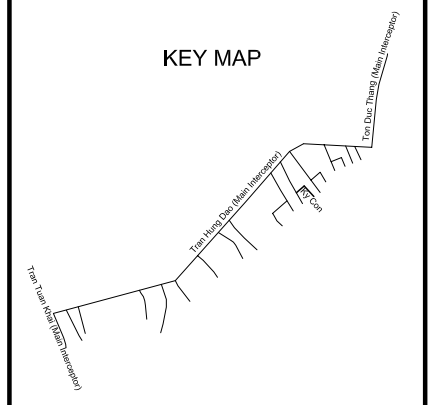
DATE : _____ DWG. No. _____



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



Manhole number												
Diameter (mm)												
Gradient (%)												
Length (m)												
Ground Elevation (m)	1.84	1.84	1.85	1.78	1.77	1.88	1.84	1.74	1.75	1.76	1.83	1.84
Earth Covering (m)												
Invert Elevation (m)												
Accumulation Length (m)	0.0	25.8	70.0	75.8	125.8	138.9	175.8	188.9	225.8	260.0		



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 (8)

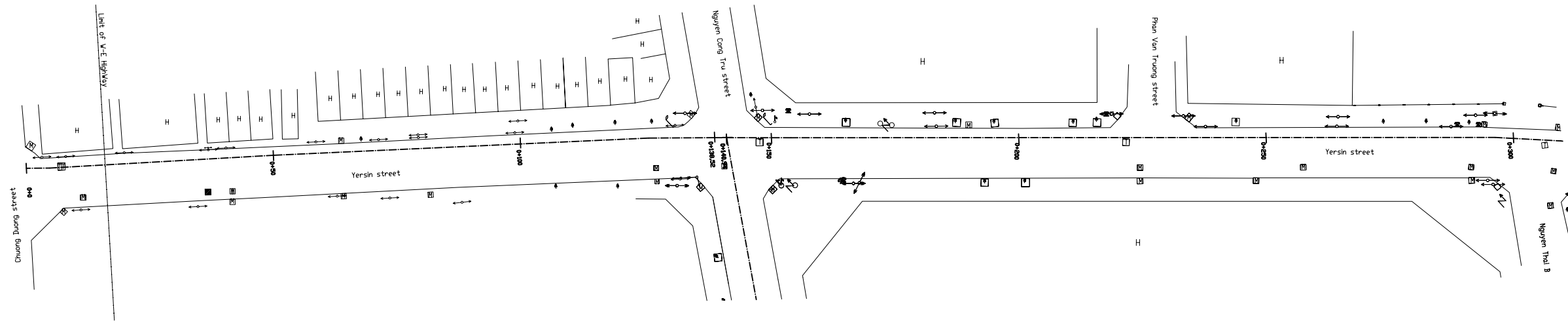
SCALE : AS SHOWN

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

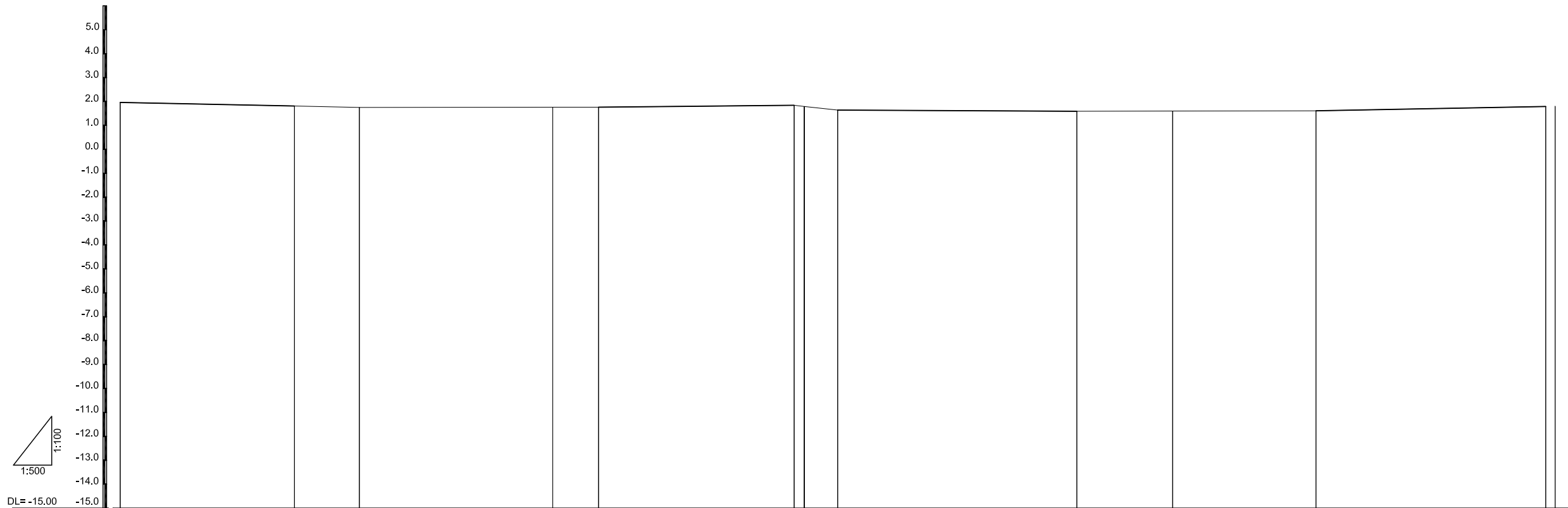
PACIFIC CONSULTANTS INTERNATIONAL

DESIGNED	CHECKED
DATE :	DWG. No.

PLAN S = 1/500

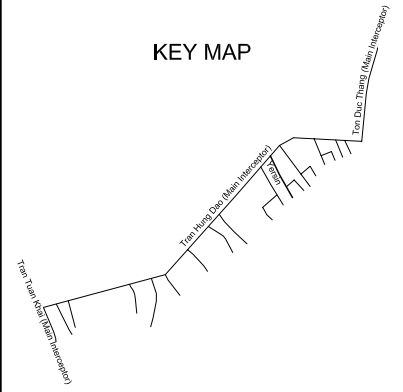


PROFILE S_H = 1/500, S_V = 1/100



Manhole number													
Diameter (mm)													
Gradient(‰)													
Length (m)													
Ground Elevation (m)	1.96	1.81	1.75	1.76	1.76	1.84	1.79	1.84	1.59	1.60	1.61	1.79	1.80
Earth Covering (m)													
Invert Elevation (m)													
Accumulation Length (m)		0.0	13.6	54.0	63.6	104.5	106.6	113.6	163.6	183.6	213.6	261.6	

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 LOGITUDINAL SURVEY OF
SECONDARY INTERCEPTOR
SEWER ROUTE (9)

SCALE : AS SHOWNN

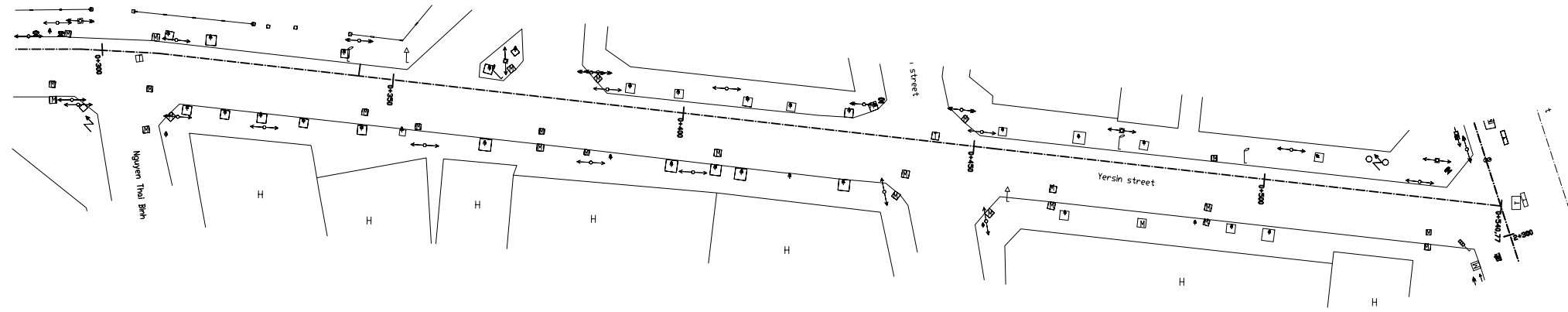
JICA JAPAN INTERNATIONAL COOPERATION
AGENCY (JICA)

PACIFIC CONSULTANTS INTERNATIONAL

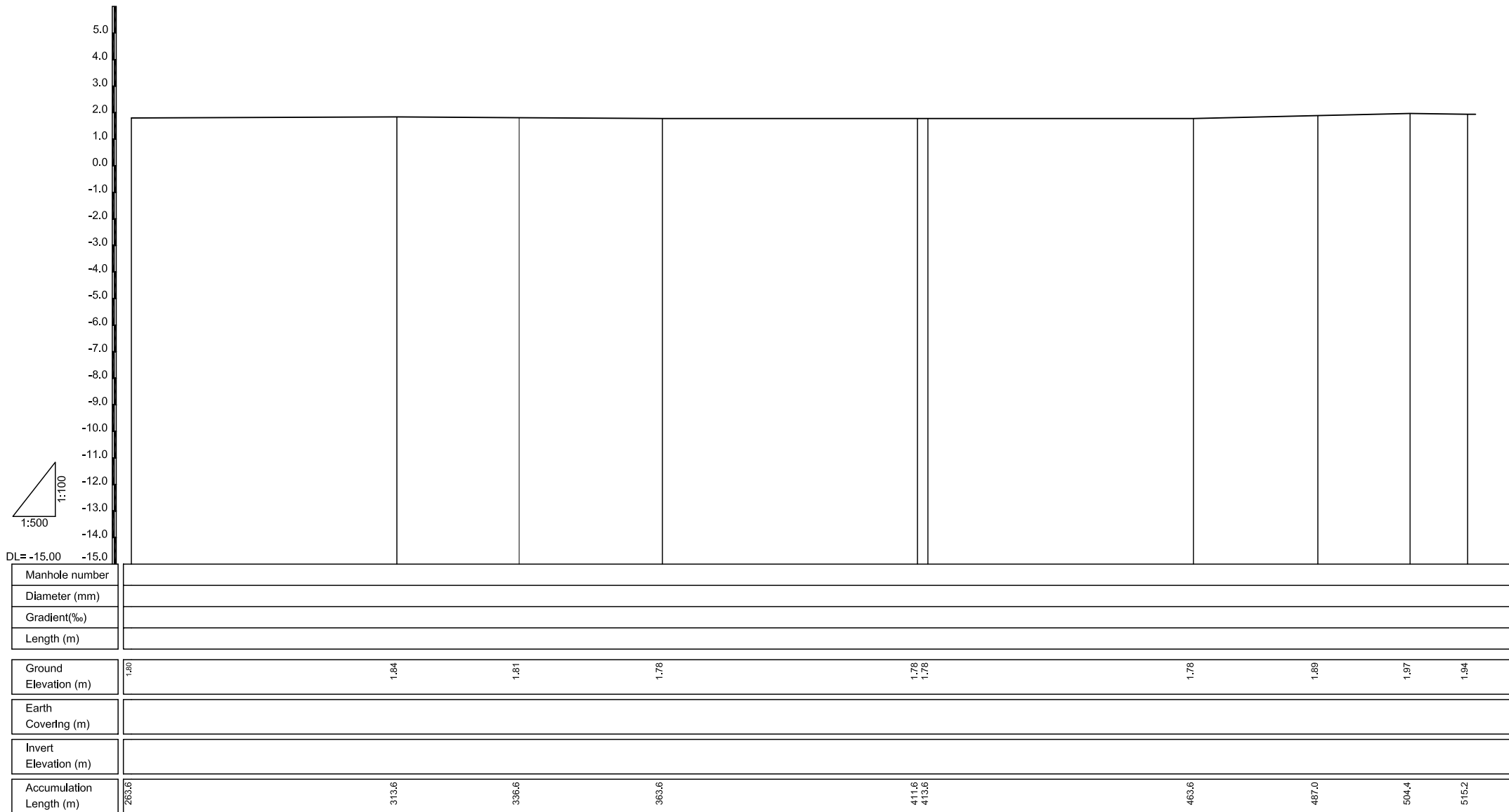
DESIGNED CHECKED

DATE : DWG. No.

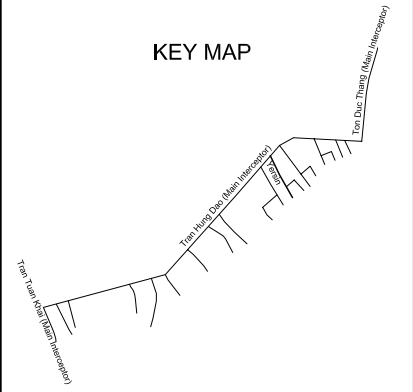
PLAN S = 1/500



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



KEY MAP



NO.	DATE	DESCRIPTIONS	BY	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
SECONDARY INTERCEPTOR
SEWER ROUTE (10)

SCALE : AS SHOWNN

JICA JAPAN INTERNATIONAL COOPERATION
AGENCY (JICA)

PACIFIC CONSULTANTS INTERNATIONAL

DESIGNED CHECKED

DATE : DWG. No.