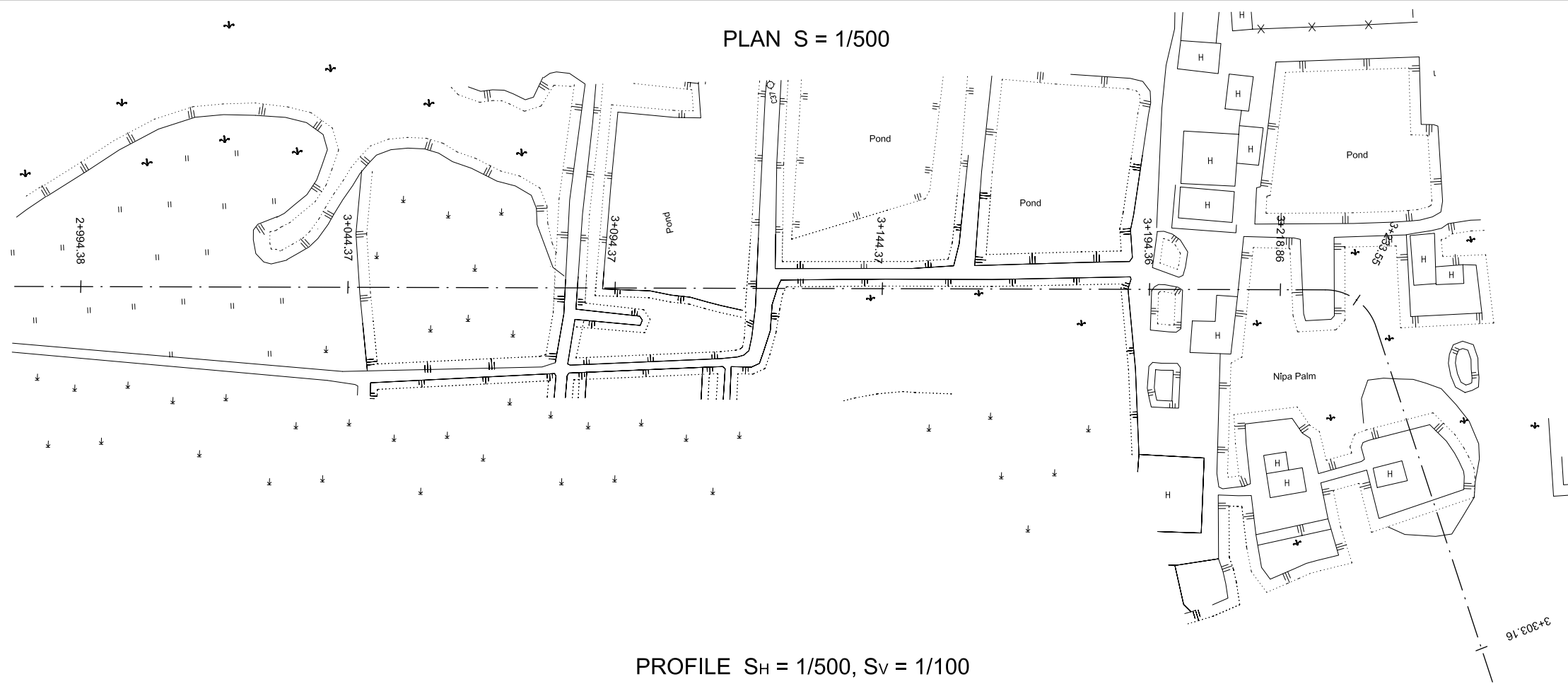
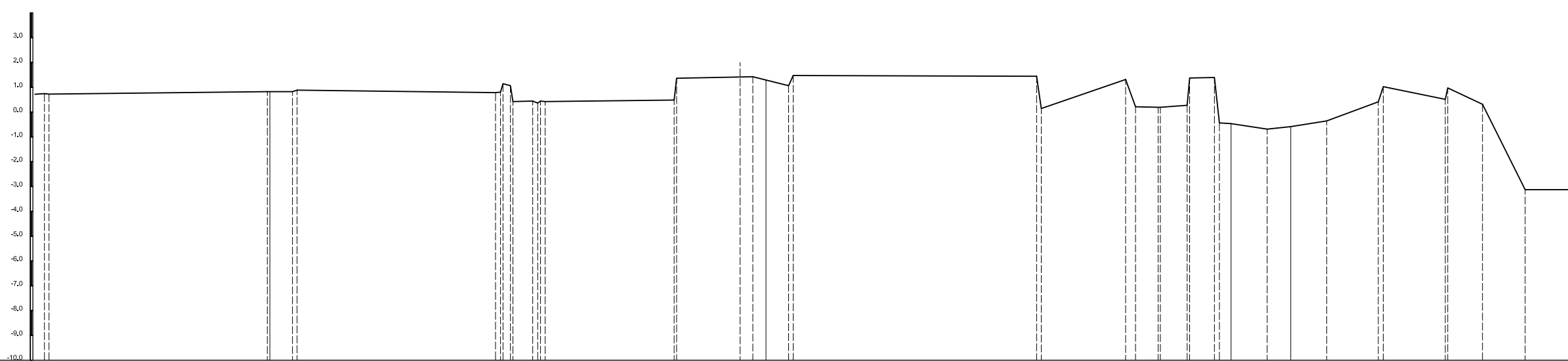


PLAN S = 1/500

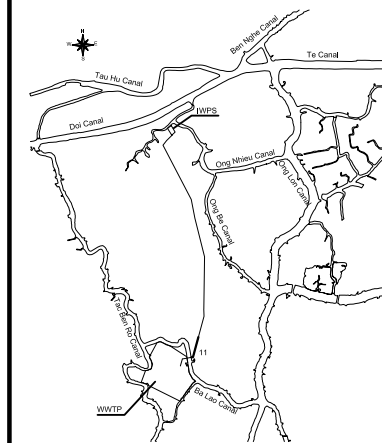


PROFILE SH = 1/500, Sv = 1/100



Manhole Number																				
Dimension (m)																				
Gradient (%)																				
Length (m)																				
Design Ground Elevation (m)																				
Existing Ground Elevation (m)	5.70		5.99	6.80	6.70	6.70	6.99	6.99	6.99	6.99	6.99	6.99	6.99	6.99	6.99	6.99	6.99	6.99	6.99	6.99
Earth Covering (m)																				
Invert Elevation (m)																				
Total Accumulation Length (m)	93.33		149.05	272.10	342.10	382.10	452.10	512.10	572.10	632.10	692.10	752.10	812.10	872.10	932.10	992.10	1052.10	1112.10	1172.10	1232.10

KEY MAP
(Scale: 1/50000)



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
CONVEYANCE SEWER ROUTE (11)

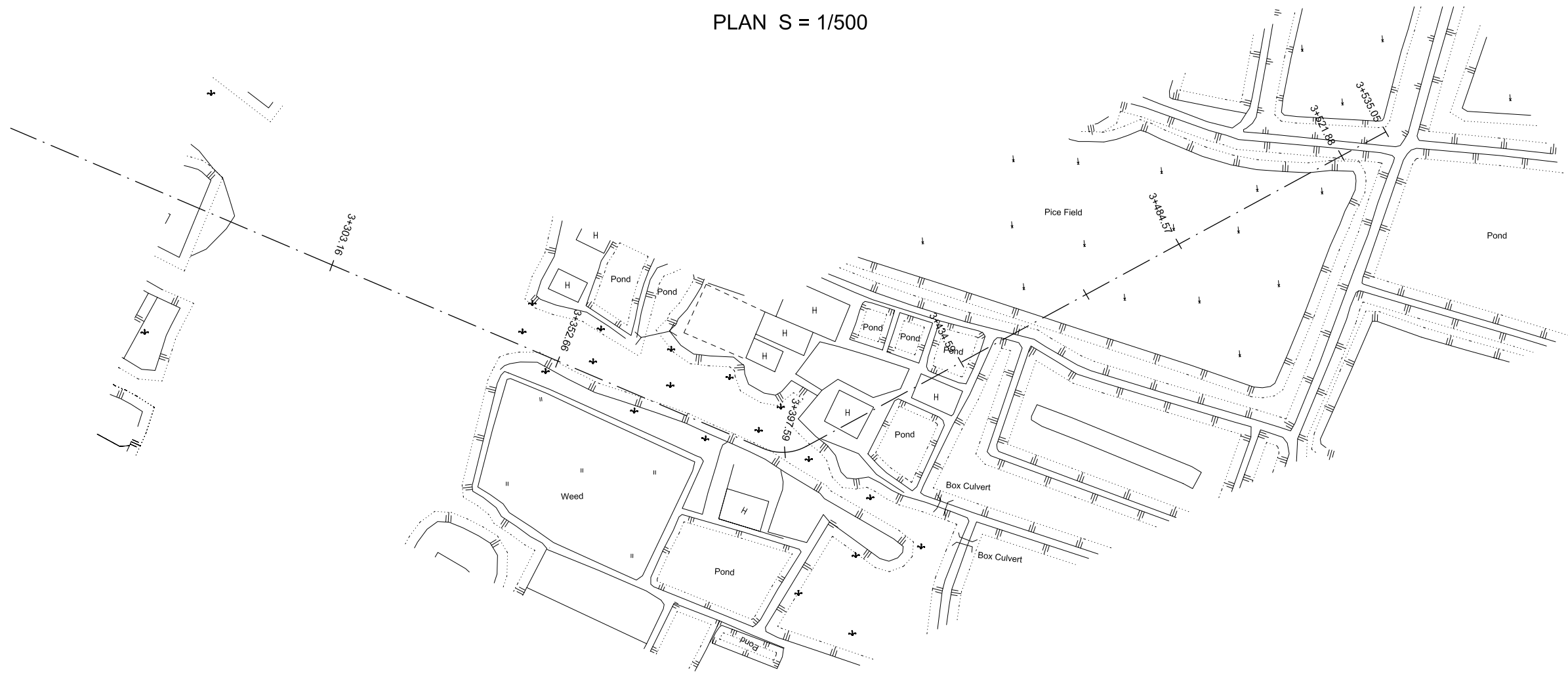
SCALE : H : 1 / 500
V : 1 / 100

JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

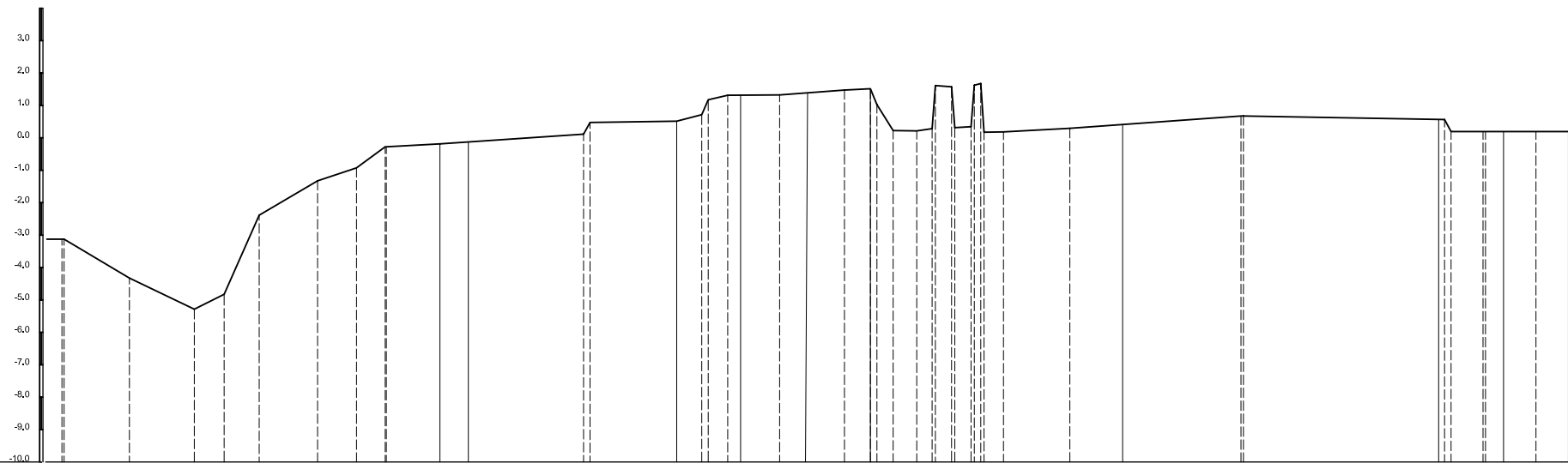
PACIFIC CONSULTANTS INTERNATIONAL

DESIGNED	CHECKED
DATE :	DWG. No.

PLAN S = 1/500

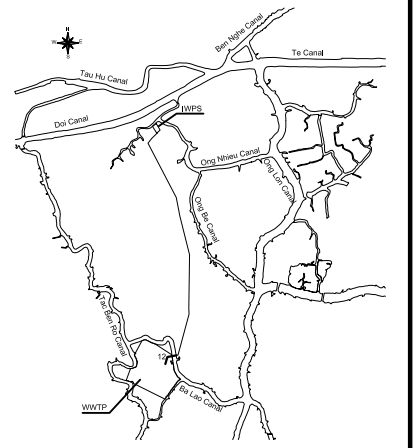


PROFILE S_H = 1/500, S_V = 1/100



Manhole Number	
Dimension (m)	
Gradient (%)	
Length (m)	
Design Ground Elevation (m)	
Existing Ground Elevation (m)	3303.16, -4.32, -5.28, -4.82, -5.26, -1.32, -0.92, -0.77, -0.18, 0.46, 0.52, 1.12, 1.32, 1.33, 1.46, 1.52, 0.23, 0.22, 1.62, 0.32, 0.32, 0.19, 0.3, 0.42, 0.68, 0.68, 0.27, 0.20, 0.20, 0.20
Earth Covering (m)	
Invert Elevation (m)	
Total Accumulation Length (m)	3303.16, 3303.16, 3311.23, 3323.23, 3327.83, 3333.23, 3342.23, 3346.23, 3352.86, 3352.86, 3361.06, 3368.23, 3397.59, 3402.45, 3405.45, 3405.45, 3413.45, 3423.45, 3427.45, 3430.95, 3434.59, 3439.98, 3437.48, 3446.48, 3446.48, 3447.98, 3447.98, 3466.19, 3466.32, 3484.57, 3484.56, 3515.95, 3522.28, 3520.04, 3535.05

KEY MAP
(Scale: 1/50000)



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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PLAN AND LONGITUDINAL SURVEY OF
CONVEYANCE SEWER ROUTE (12)

SCALE : H : 1 / 500
V : 1 / 100

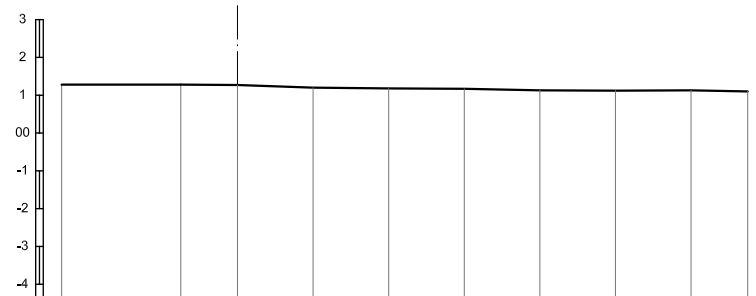
JICA JAPAN INTERNATIONAL COOPERATION
AGENCY (JICA)

PACIFIC CONSULTANTS INTERNATIONAL

DESIGNED CHECKED

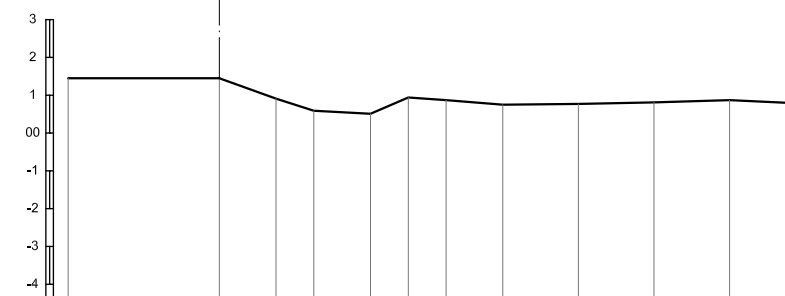
DATE : DWG. No.

0+19.43
GH=1.27



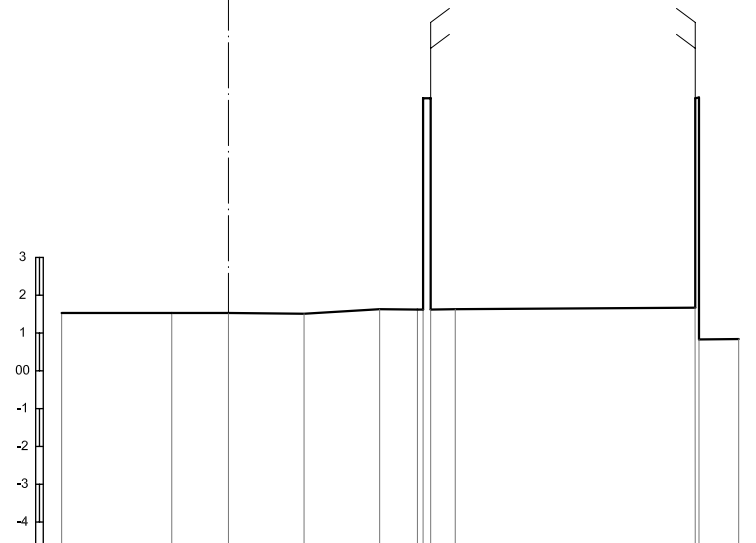
Ground Elevation (m)	1.28	1.28	1.27	1.20	1.18	1.17	1.13	1.12	1.13	1.10
Distance (m)	0.00	3.15	4.65	6.65	8.65	10.65	12.65	14.65	16.65	18.15
Acc. Distance (m)	0.00	3.15	4.65	6.65	8.65	10.65	12.65	14.65	16.65	18.15

0+153.20
GH=1.45



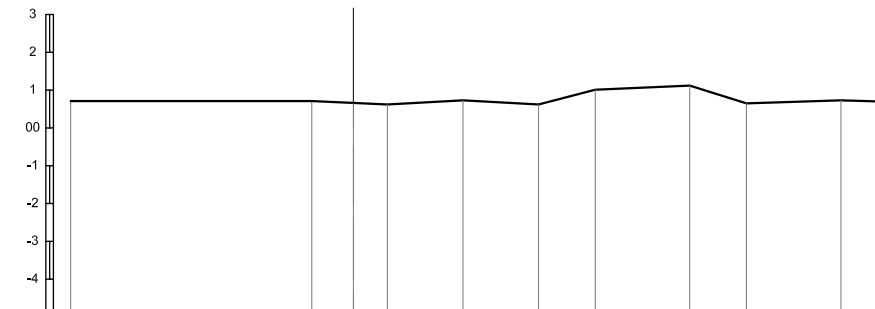
Ground Elevation (m)	1.45	1.45	0.91	0.59	0.51	0.94	0.87	0.75	0.77	0.81	0.87	0.80
Distance (m)	0.00	4.00	5.50	6.50	8.00	9.00	10.00	11.50	13.50	15.50	17.50	19.00
Acc. Distance (m)	0.00	4.00	5.50	6.50	8.00	9.00	10.00	11.50	13.50	15.50	17.50	19.00

0+53.20
GH=1.53



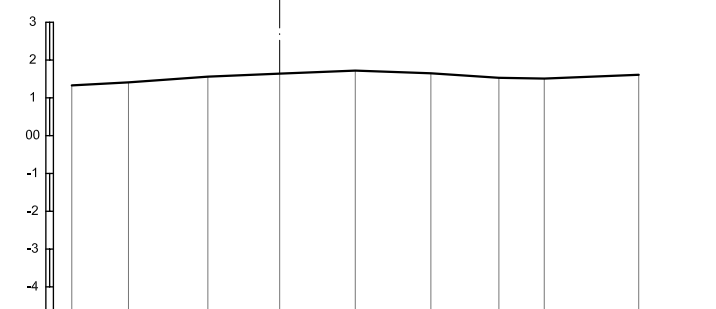
Ground Elevation (m)	1.53	1.53	1.53	1.51	1.63	1.62	1.59	1.53	1.53	1.16	1.67	1.63	0.84
Distance (m)	0.00	2.91	4.41	5.41	6.41	8.41	9.41	10.41	12.41	14.41	16.41	17.91	17.91
Acc. Distance (m)	0.00	2.91	4.41	5.41	6.41	8.41	9.41	10.41	12.41	14.41	16.41	17.91	17.91

0+201.29
GH=0.67



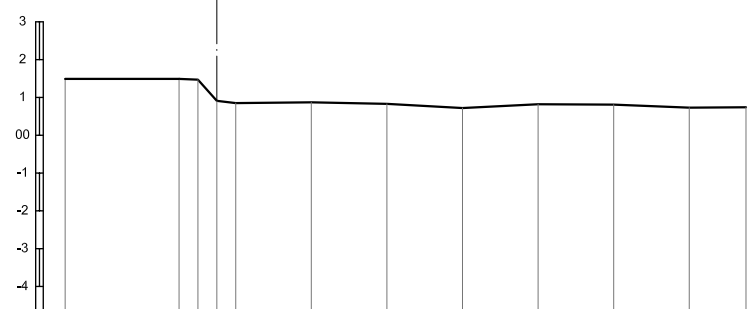
Ground Elevation (m)	0.71	0.71	0.67	0.62	0.73	0.62	1.01	1.12	0.65	0.73	0.70
Distance (m)	0.00	6.38	7.48	8.38	10.38	12.38	13.88	16.38	17.88	20.38	21.38
Acc. Distance (m)	0.00	6.38	7.48	8.38	10.38	12.38	13.88	16.38	17.88	20.38	21.38

0+245.09
GH=1.64



Ground Elevation (m)	1.33	1.41	1.56	1.64	1.72	1.65	1.53	1.51	1.61
Distance (m)	0.00	1.50	3.60	5.50	7.50	9.50	11.30	12.50	15.00
Acc. Distance (m)	0.00	1.50	3.60	5.50	7.50	9.50	11.30	12.50	15.00

0+103.20
GH=0.91



Ground Elevation (m)	1.49	1.49	1.47	0.91	0.85	0.87	0.83	0.72	0.82	0.81	0.73	0.74
Distance (m)	0.00	3.01	3.51	4.01	4.51	6.51	8.51	10.51	12.51	14.51	16.51	18.01
Acc. Distance (m)	0.00	3.01	3.51	4.01	4.51	6.51	8.51	10.51	12.51	14.51	16.51	18.01

NO.	DATE	DESCRIPTIONS	BY	APPRO.

REVISIONS

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

CROSS SECTION SURVEY
OF CONVEYANCE
SEWER ROUTE (1)

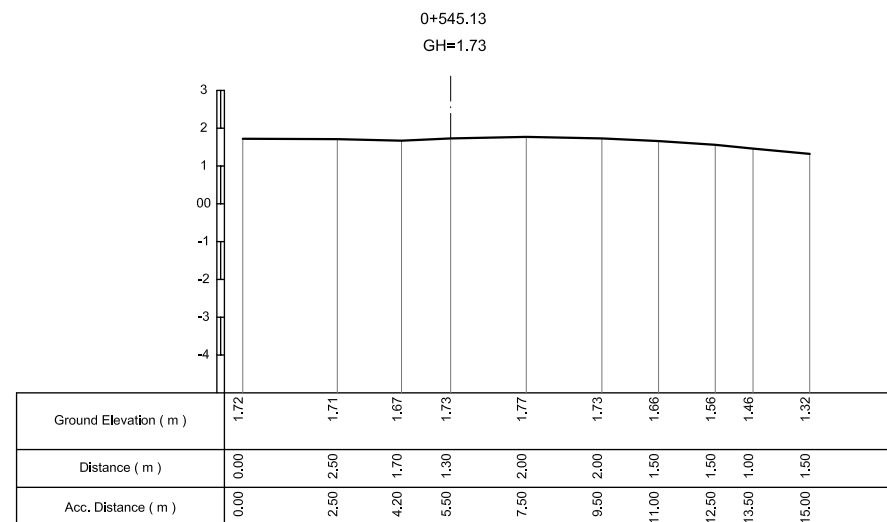
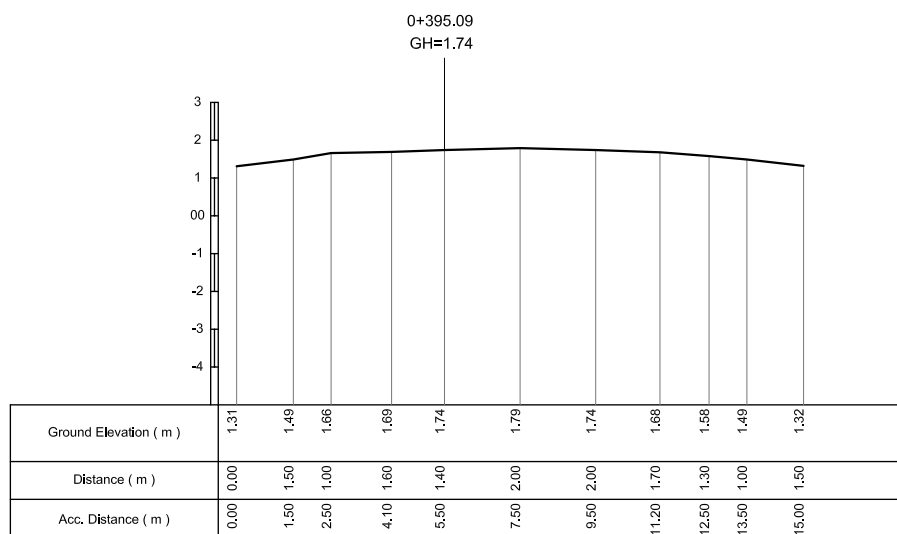
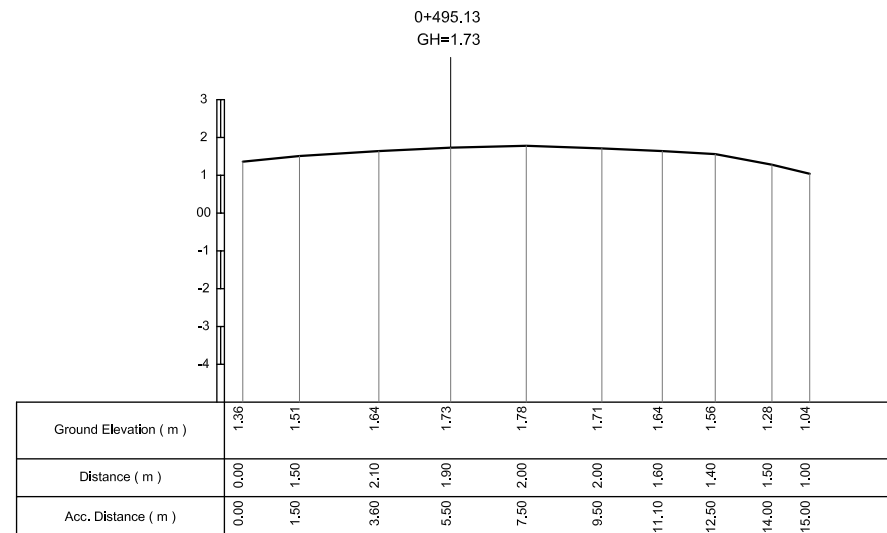
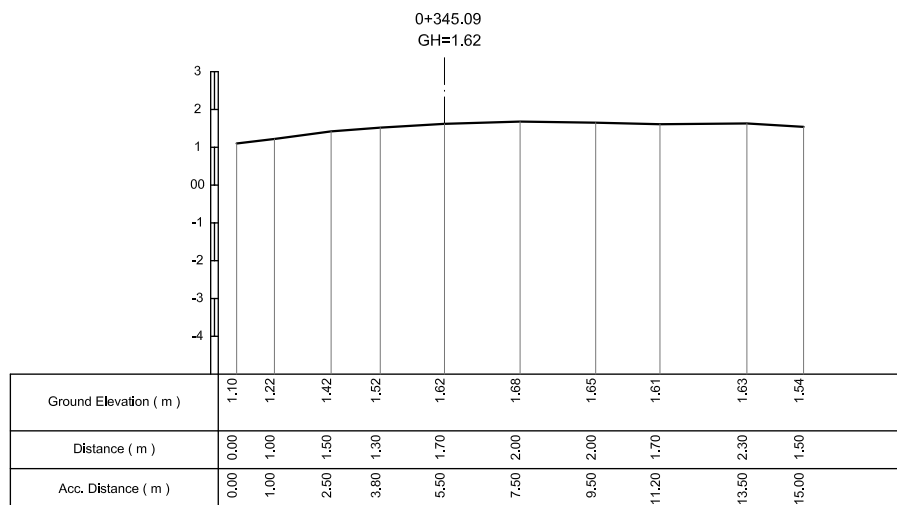
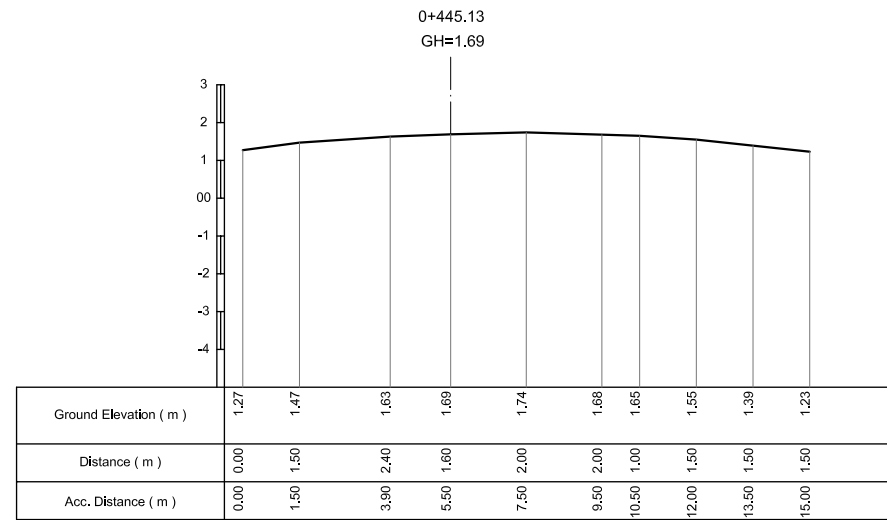
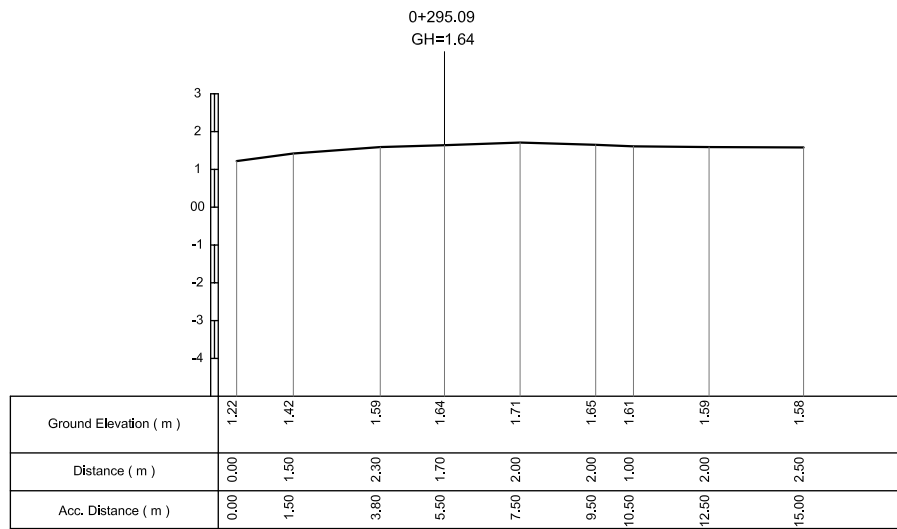
SCALE : 1 : 100

JICA JAPAN INTERNATIONAL COOPERATION
AGENCY (JICA)

PACIFIC CONSULTANTS INTERNATIONAL

DESIGNED _____ CHECKED _____

DATE : _____ DWG. No _____



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
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CROSS SECTION SURVEY
OF CONVEYANCE
SEWER ROUTE (2)

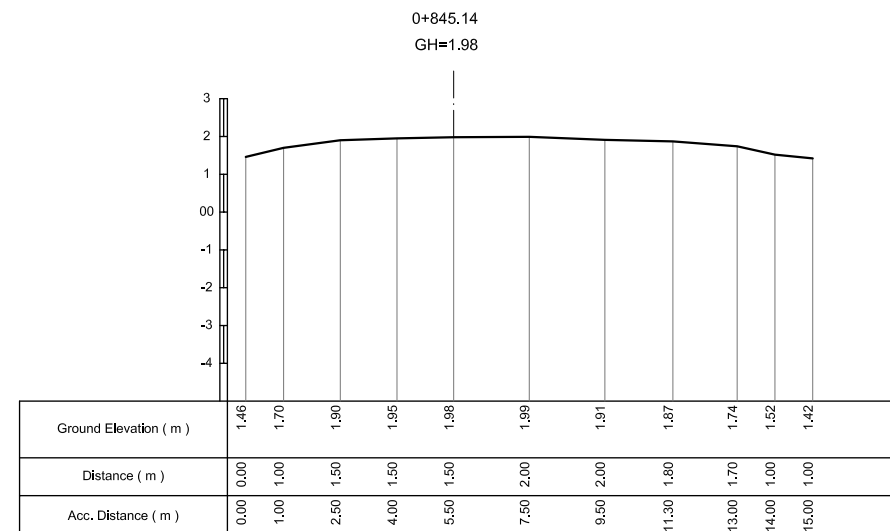
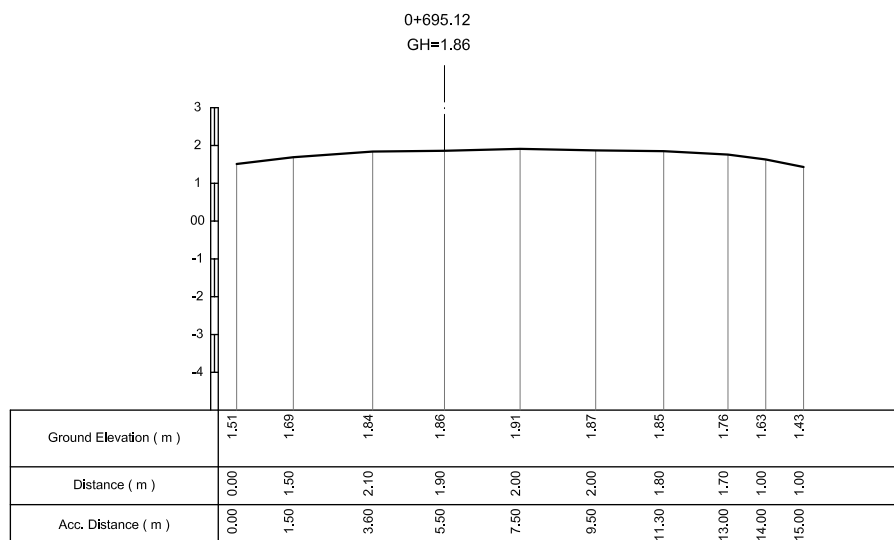
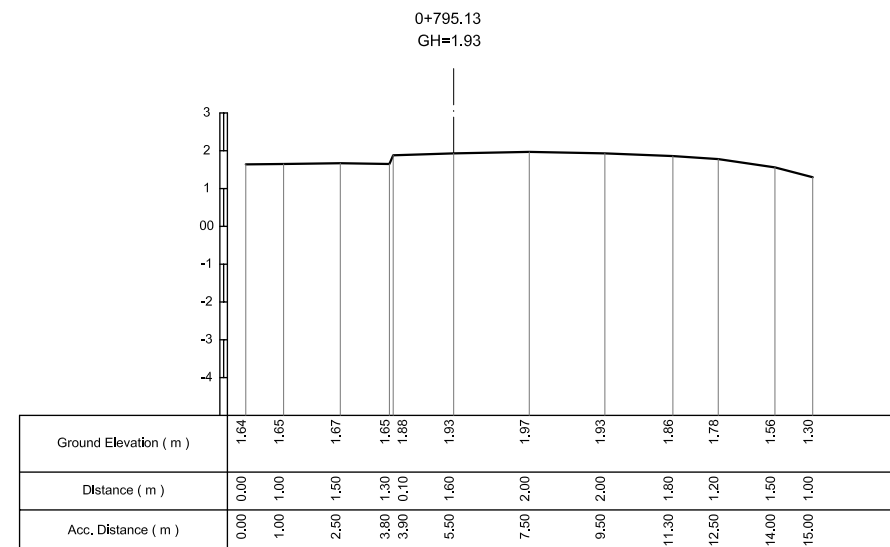
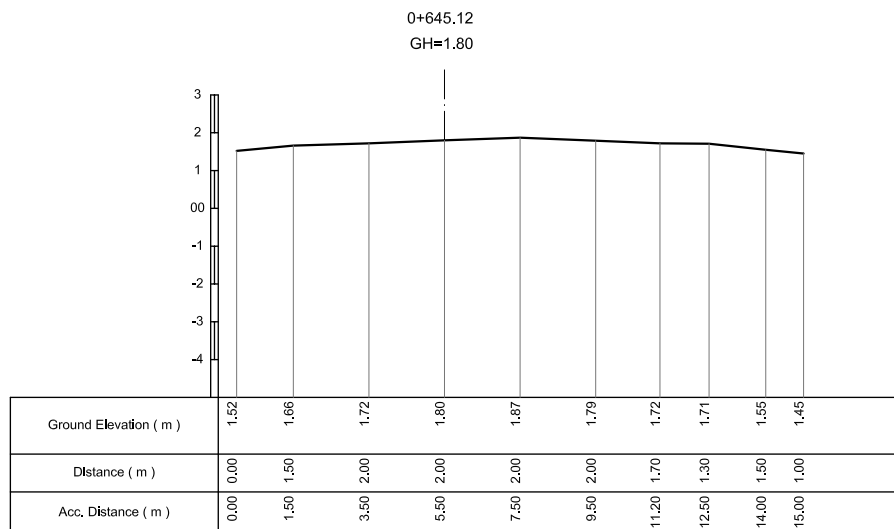
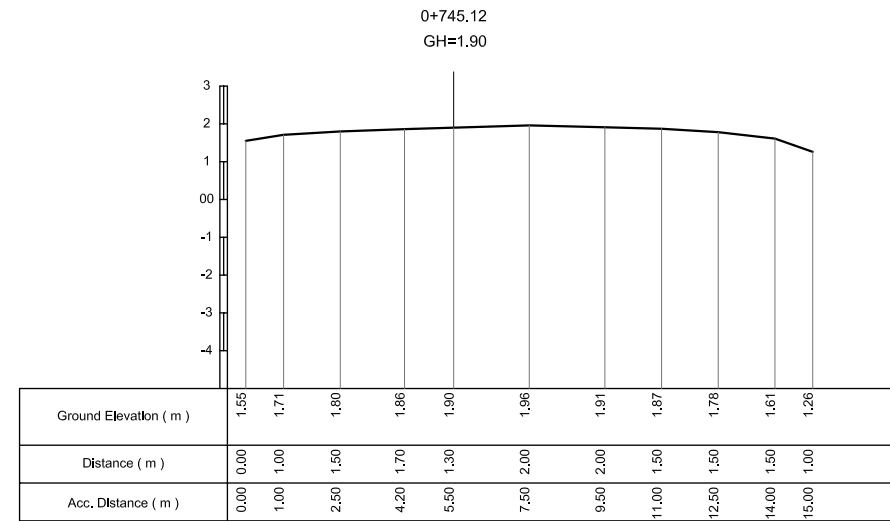
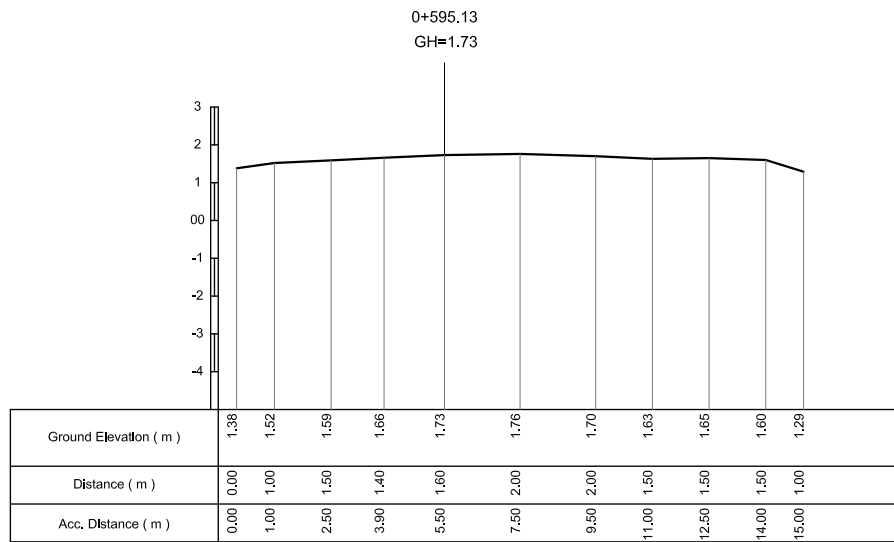
SCALE : 1 : 100

JICA JAPAN INTERNATIONAL COOPERATION
AGENCY (JICA)

PACIFIC CONSULTANTS INTERNATIONAL

DESIGNED CHECKED

DATE : DWG. No



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

CROSS SECTION SURVEY
OF CONVEYANCE
SEWER ROUTE (3)

SCALE : 1 : 100

JICA JAPAN INTERNATIONAL COOPERATION
AGENCY (JICA)

PACIFIC CONSULTANTS INTERNATIONAL

DESIGNED CHECKED

DATE : DWG. No