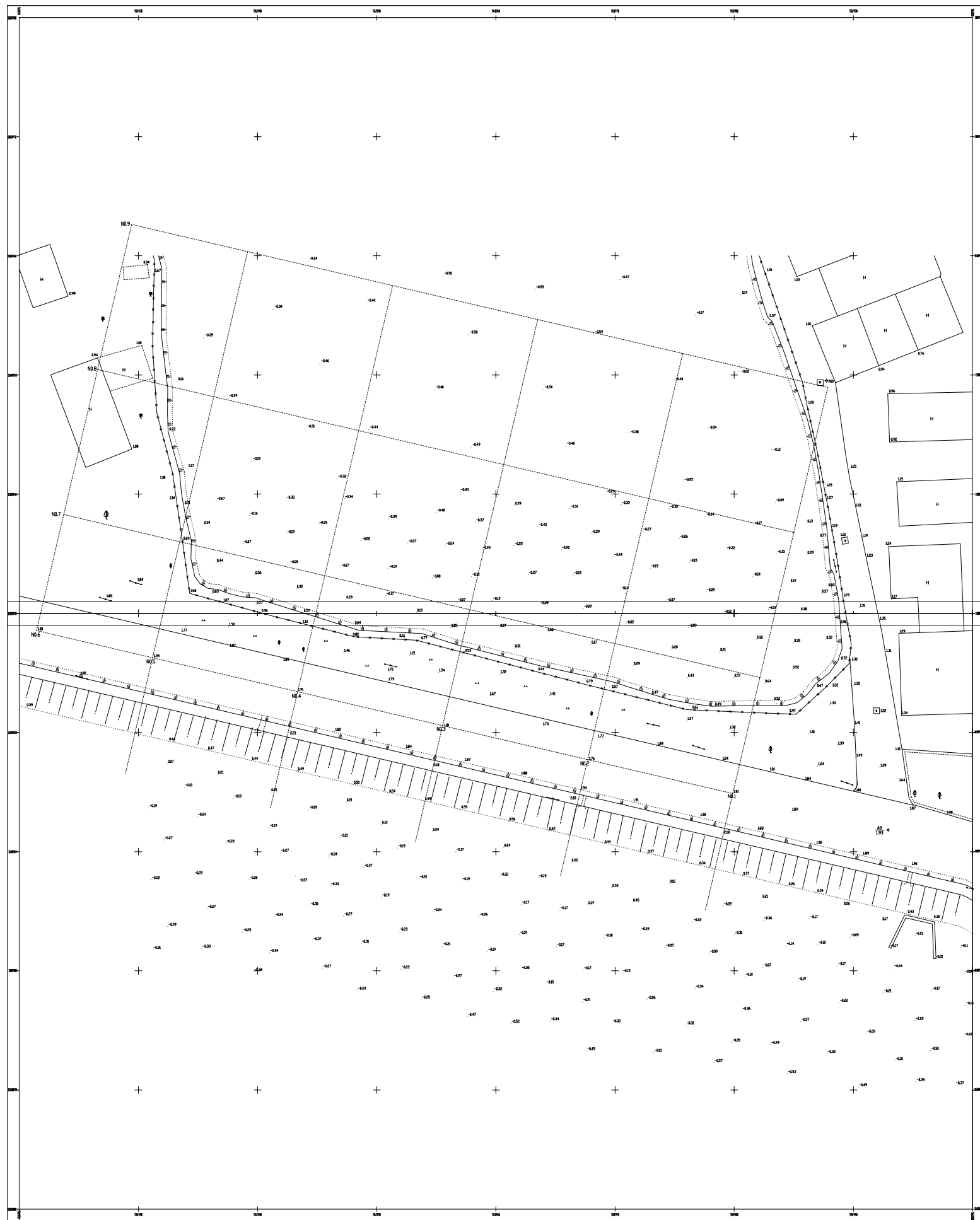


**C. BEN ME COC (1) PUMP DRAINAGE IMPROVEMENT**

## **C1. PUMPING STATION**



NO.	DATE	DESCRIPTIONS	BY	APRO.

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

PLANMETNC SURVEY OF  
BEN ME COC 1 PUMPING STATION

SCALE = 1/200

JICA JAPAN INTERNATIONAL COOPERATION  
AGENCY ( JICA )

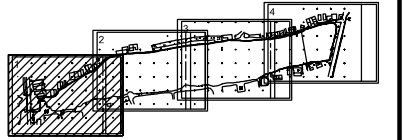
PACIFIC CONSULTANTS INTERNATIONAL

DESIGNED CHECKED

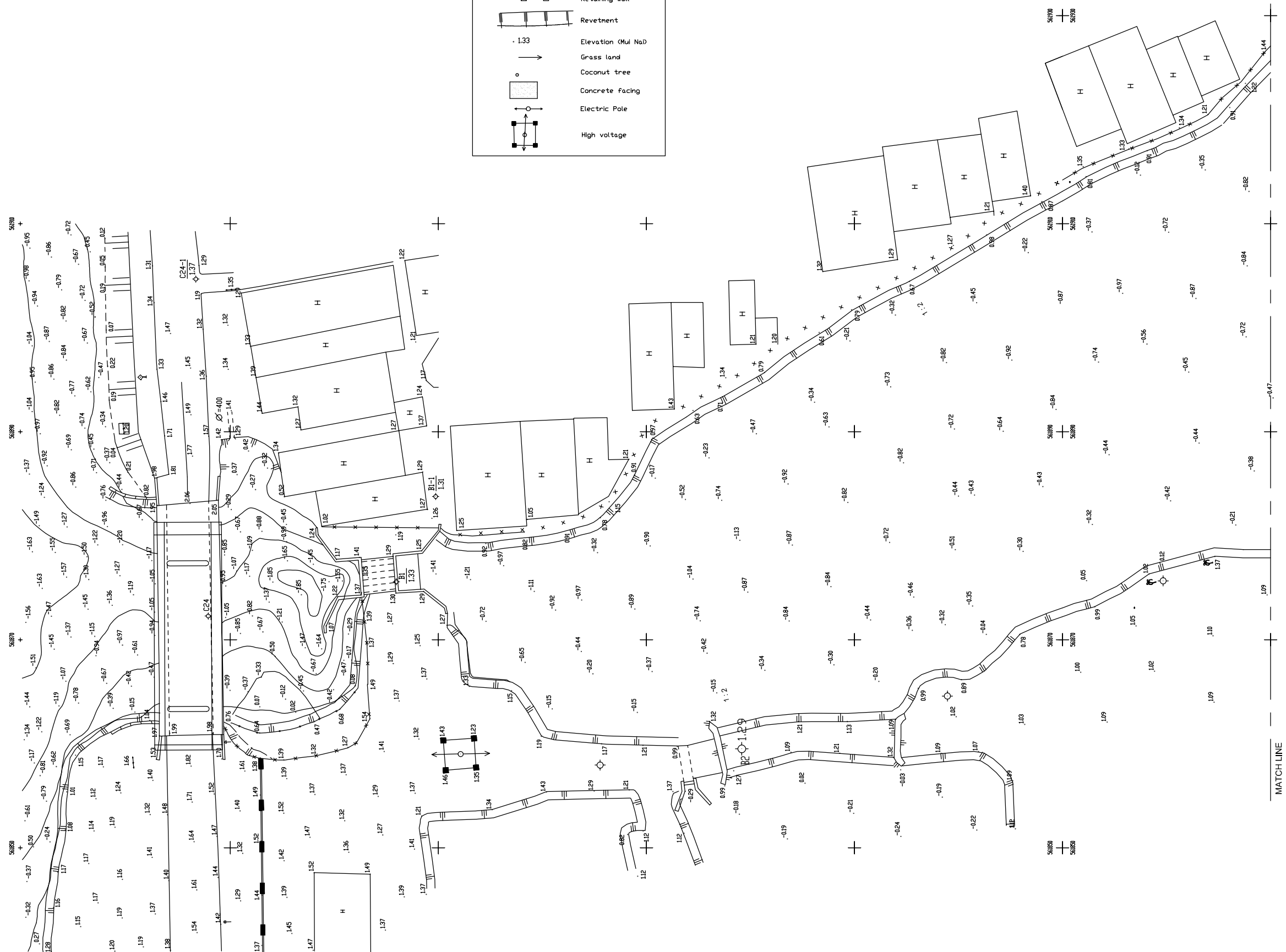
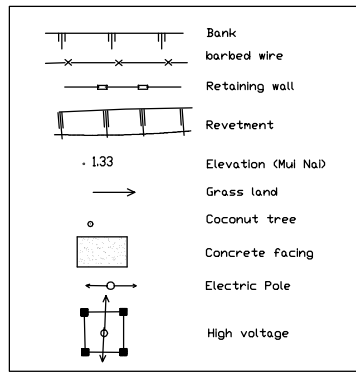
DATE : DWG. No.



## **C2. RETARDING POND, CONTROL GATE**



LEGEND



NO.	DATE	DESCRIPTIONS	BY

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 OF RETARDING POND, CONTROL  
GATE SURVEY OF BEN ME COC 1 (1/4)

SCALE = 1/200

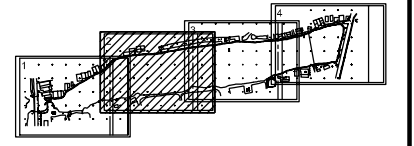
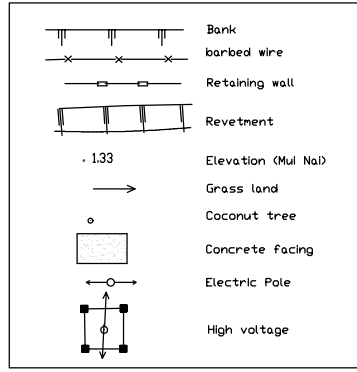
JICA JAPAN INTERNATIONAL COOPERATION  
AGENCY (JICA)

PACIFIC CONSULTANTS INTERNATIONAL

DESIGNED CHECKED

DATE : DWG. No.

LEGEND



NO.	DATE	DESCRIPTIONS	BY

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 OF RETAINING POND SURVEY OF  
BEN ME COC 1 (2/4)

SCALE = 1 / 200

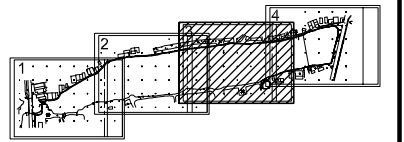
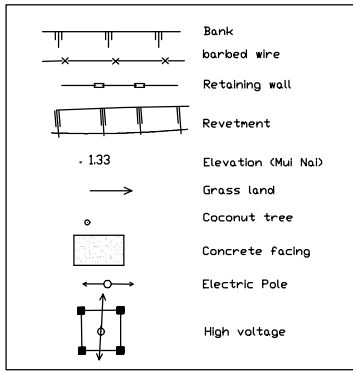
JICA JAPAN INTERNATIONAL COOPERATION  
AGENCY ( JICA )

PACIFIC CONSULTANTS INTERNATIONAL

DESIGNED CHECKED

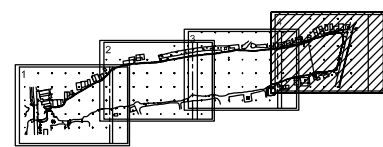
DATE : DWG. No.

LEGEND



NO.	DATE	DESCRIPTIONS	BY
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 OF RETARDING POND SURVEY OF BEN ME COC 1 (3/4)			
SCALE : 1 / 200			
JAPAN INTERNATIONAL COOPERATION AGENCY ( JICA )			
PACIFIC CONSULTANTS INTERNATIONAL			
DESIGNED		CHECKED	
DATE :		DWG. No.	





**LEGEND**

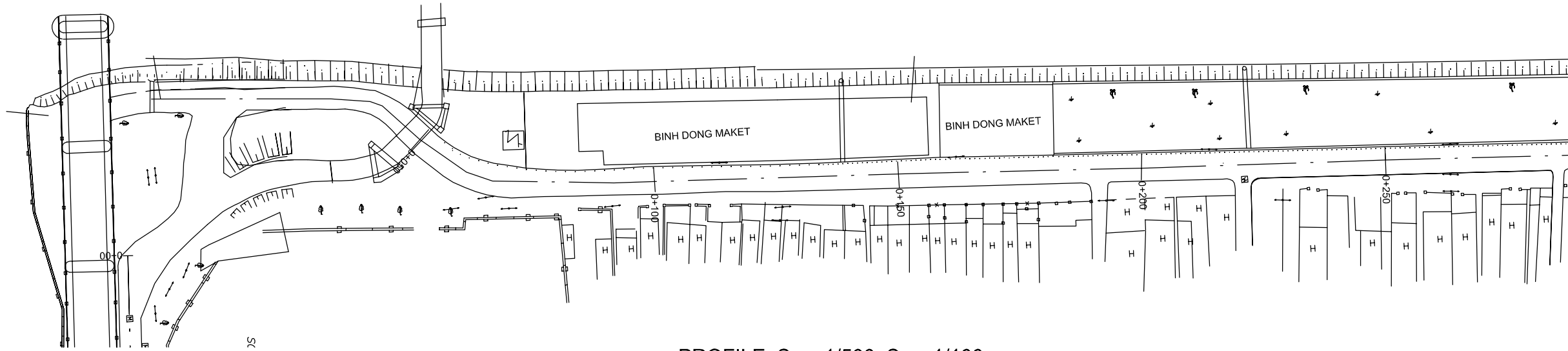
	Bank
	barbed wire
	Retaining wall
	Revetment
	Elevation (Msl Nad)
	Grass land
	Coconut tree
	Concrete facing
	Electric Pole
	High voltage

NO.	DATE	DESCRIPTIONS	BY
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 OF RETARDING POND SURVEY OF BEN ME COC 1 (4/4)</b>			
SCALE = 1/200			
JAPAN INTERNATIONAL COOPERATION AGENCY ( JICA )			
PACIFIC CONSULTANTS INTERNATIONAL			
DESIGNED		CHECKED	
DATE :		DWG. No.	

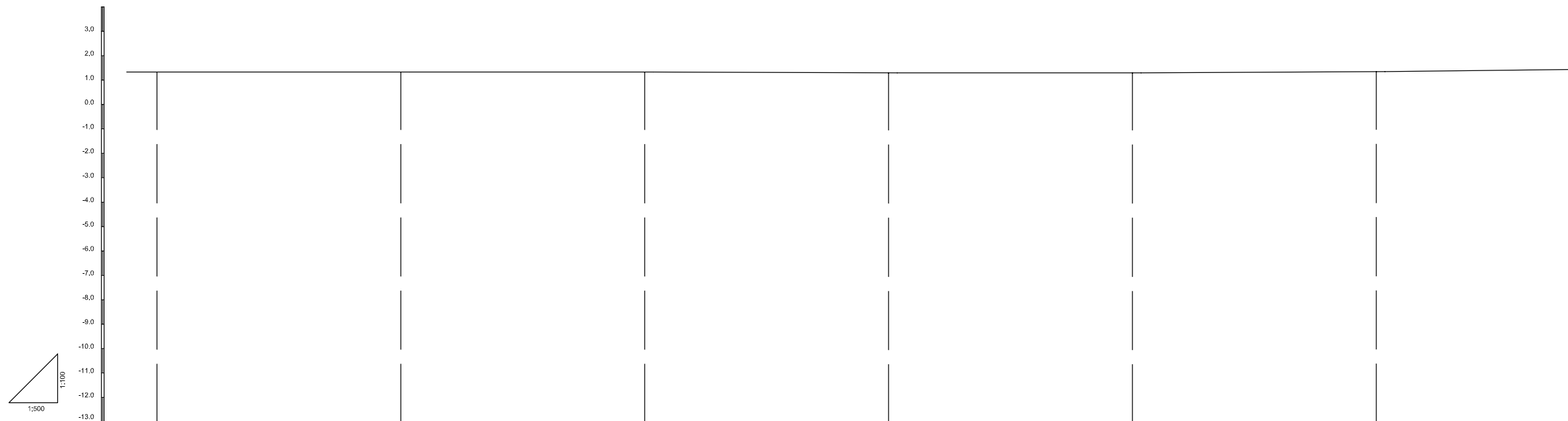


### **C3. SEWER**

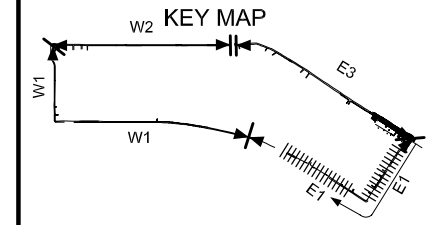
PLAN S = 1/500



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



Location of Survey	0+00	0+50	0+100	0+150	0+200	0+250
Manhole Number						
Diameter (mm)						
Gradient (%)						
Length (m)						
Gradient of Road (%)						
Design road Elevation (m)						
Existing Ground Elevation (m)	1.33	1.33	1.33	1.30	1.30	1.35
Earth Covering (m)						
Invert Elevation (m)						
Total Accumulation Length (m)						



LEGEND

- Bank
- Barbed Wire
- Retaining Wall
- Revetment
- Manhole
- Grass Land
- Coconut Tree
- Electric Transforming Station
- Electric Pole
- Telephone Station

NO.	DATE	DESCRIPTIONS	BY	APRO.

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

BEN ME COC(1) AREA  
PLAN AND LONGITUDINAL SURVEY  
OF SEWER ROUTE (1)  
BM1- E1

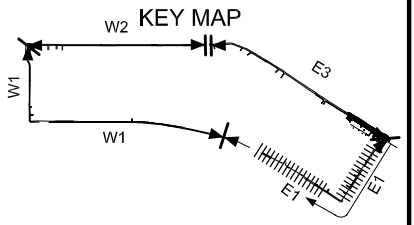
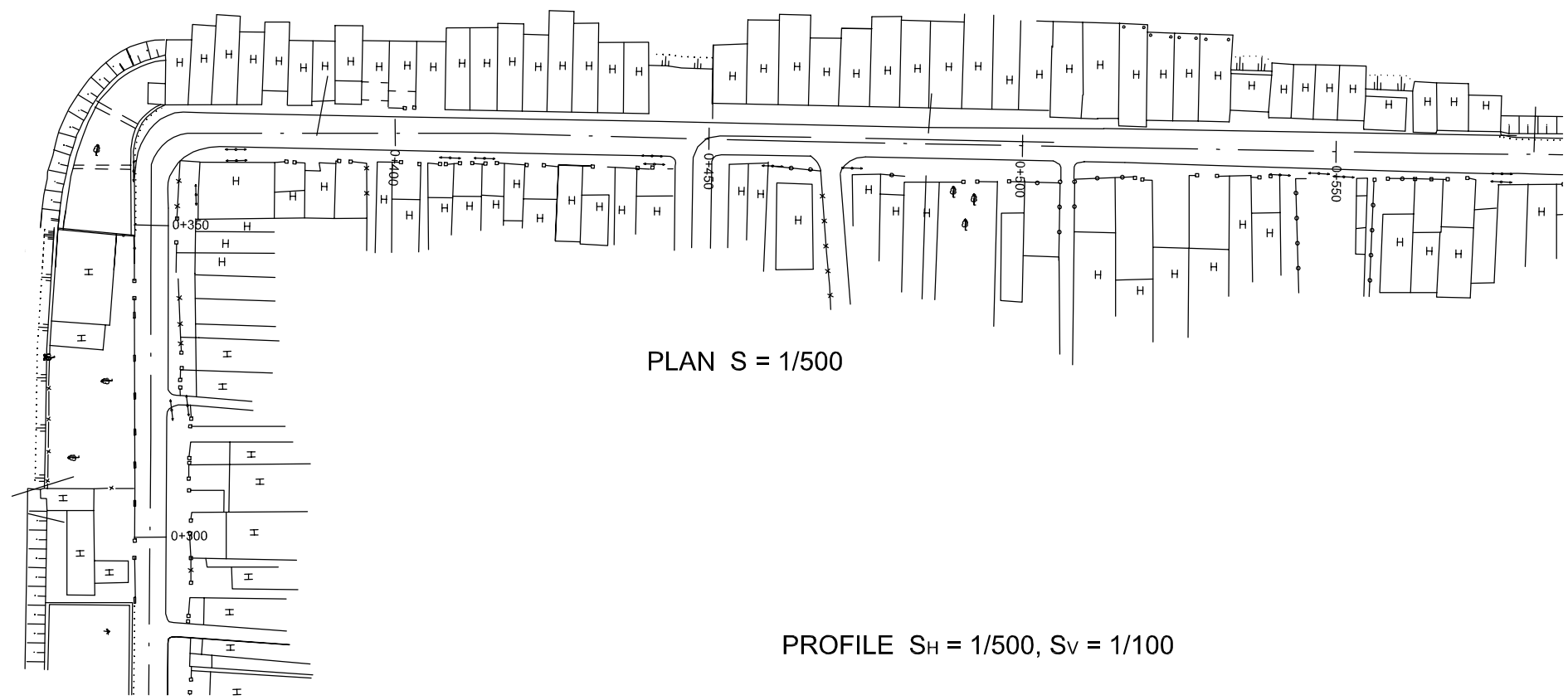
SCALE : AS SHOW

JICA JAPAN INTERNATIONAL COOPERATION  
AGENCY ( JICA )

PACIFIC CONSULTANTS INTERNATIONAL

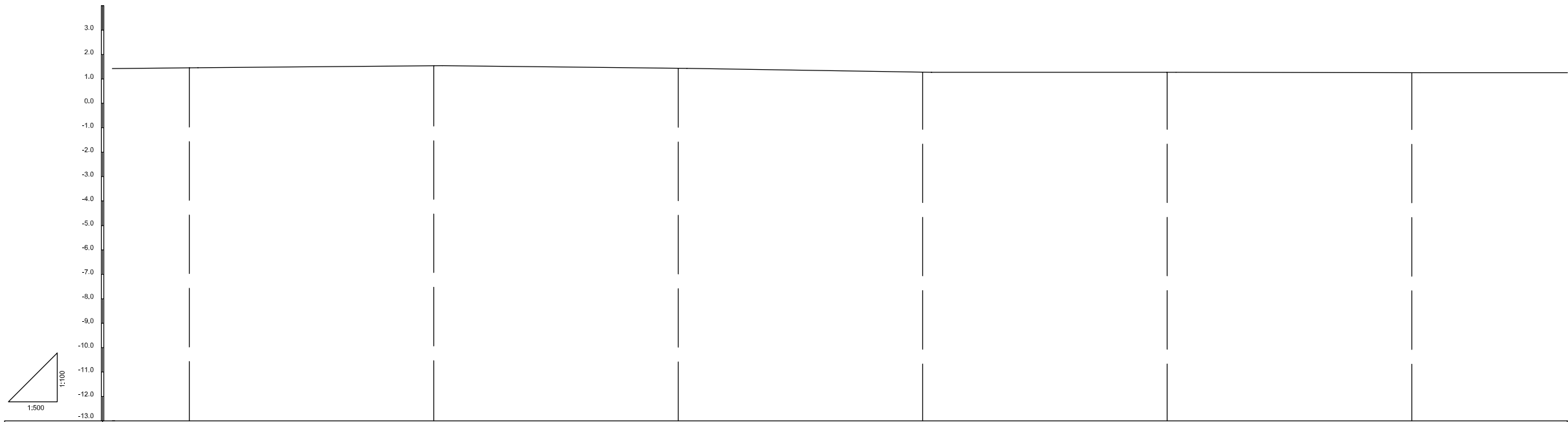
DESIGNED \_\_\_\_\_ CHECKED \_\_\_\_\_

DATE : \_\_\_\_\_ DWG. No. \_\_\_\_\_



**LEGEND**

	Bank
	Barbed Wire
	Retaining Wall
	Revetment
	Manhole
	Grass Land
	Coconut Tree
	Electric Transforming Station
	Electric Pole
	Telephone Station



Location of Survey	0+300	0+350	0+400	0+450	0+500	0+550
Manhole Number						
Diameter (mm)						
Gradient (%)						
Length (m)						
Gradient of Road (%)						
Design road Elevation (m)						
Existing Ground Elevation (m)	1.46	1.52	1.43	1.27	1.27	1.25
Earth Covering (m)						
Invert Elevation (m)						
Total Accumulation Length (m)						

NO.	DATE	DESCRIPTIONS	BY	APRO.

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

BEN ME COC(1) AREA  
PLAN AND LONGITUDINAL SURVEY  
OF SEWER ROUTE (2)  
BM1 - E1

SCALE : AS SHOW

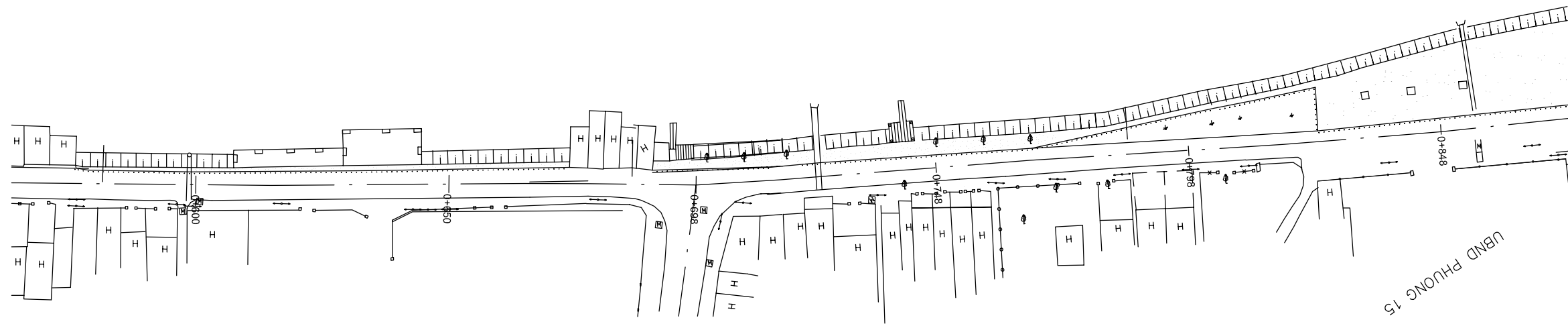
JAPAN INTERNATIONAL COOPERATION AGENCY ( JICA )

PACIFIC CONSULTANTS INTERNATIONAL

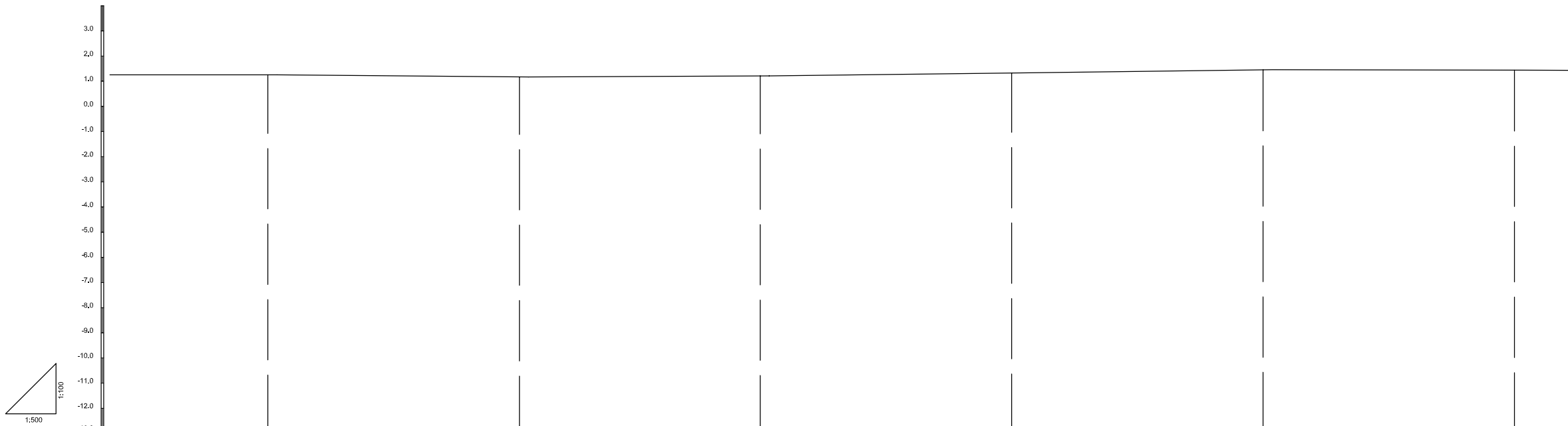
DESIGNED \_\_\_\_\_ CHECKED \_\_\_\_\_

DATE : \_\_\_\_\_ DWG. No. \_\_\_\_\_

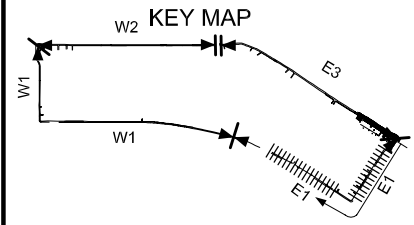
PLAN S = 1/500



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



Location of Survey	0+600	0+650	0+698	0+748	0+798	0+848
Manhole Number						
Diameter (mm)						
Gradient (‰)						
Length (m)						
Gradient of Road (‰)						
Design road Elevation (m)						
Existing Ground Elevation (m)	1.25	1.17	1.21	1.33	1.46	1.44
Earth Covering (m)						
Invert Elevation (m)						
Total Accumulation Length (m)						



LEGEND

- Bank
- Barbed Wire
- Retaining Wall
- Revetment
- Manhole
- Grass Land
- Coconut Tree
- Electric Transforming Station
- Electric Pole
- Telephone Station

NO.	DATE	DESCRIPTIONS	BY	APRO.

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

BEN ME COC(1) AREA  
PLAN AND LONGITUDINAL SURVEY  
OF SEWER ROUTE (3)  
BM1 - E1

SCALE : AS SHOW

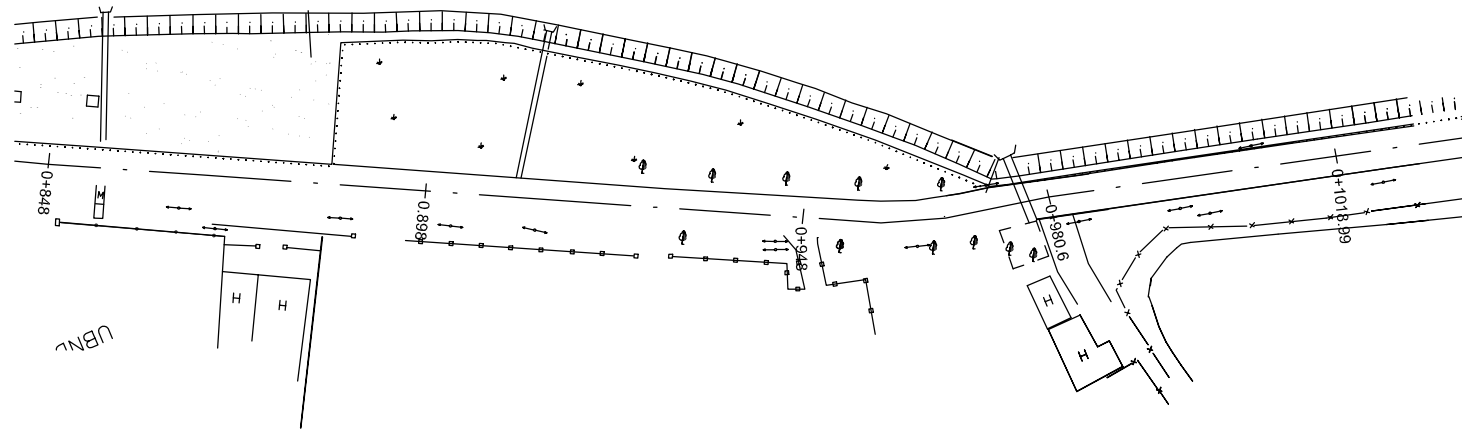
JAPAN INTERNATIONAL COOPERATION  
AGENCY ( JICA )

PACIFIC CONSULTANTS INTERNATIONAL

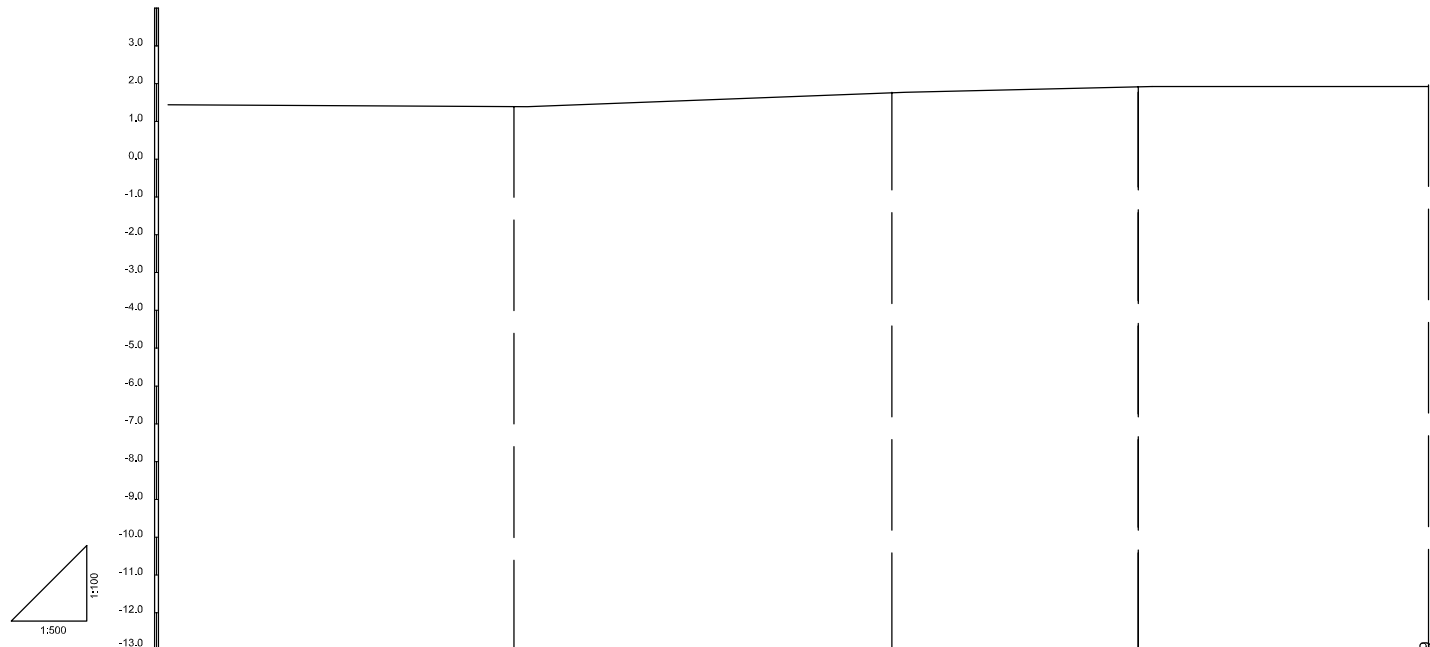
DESIGNED \_\_\_\_\_ CHECKED \_\_\_\_\_

DATE : \_\_\_\_\_ DWG. No. \_\_\_\_\_

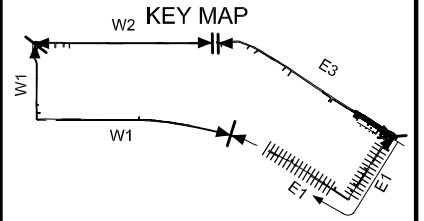
PLAN S = 1/500



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



Location of Survey	0+888	0+948	0+980.0	0+1018.98
Manhole Number				
Diameter (mm)				
Gradient (%)				
Length (m)				
Gradient of Road (%)				
Design road Elevation (m)				
Existing Ground Elevation (m)	1.39	1.77	1.92	1.92
Earth Covering (m)				
Invert Elevation (m)				
Total Accumulation Length (m)				



LEGEND

	Bank
	Barbed Wire
	Retaining Wall
	Revetment
	Manhole
	Grass Land
	Coconut Tree
	Electric Transforming Station
	Electric Pole
	Telephone Station

NO.	DATE	DESCRIPTIONS	BY	APRO.

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

BEN ME COC(1) AREA  
PLAN AND LONGITUDINAL SURVEY  
OF SEWER ROUTE (4)  
BM1 - E1

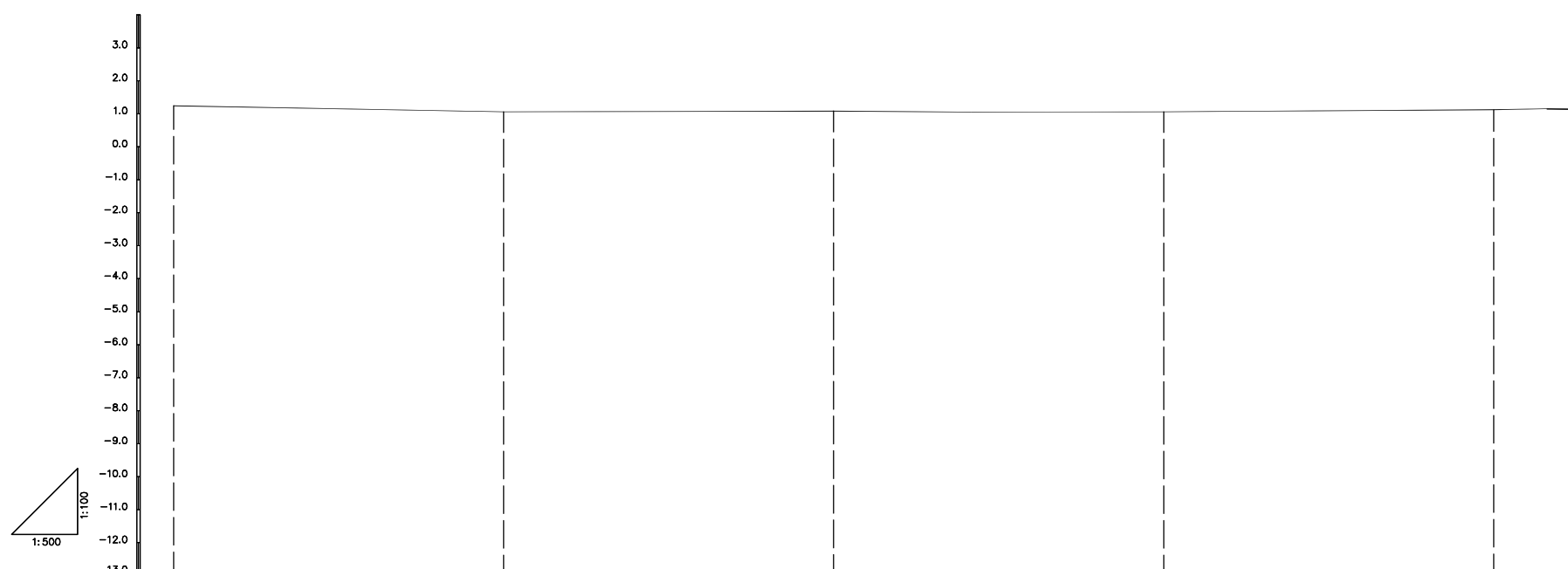
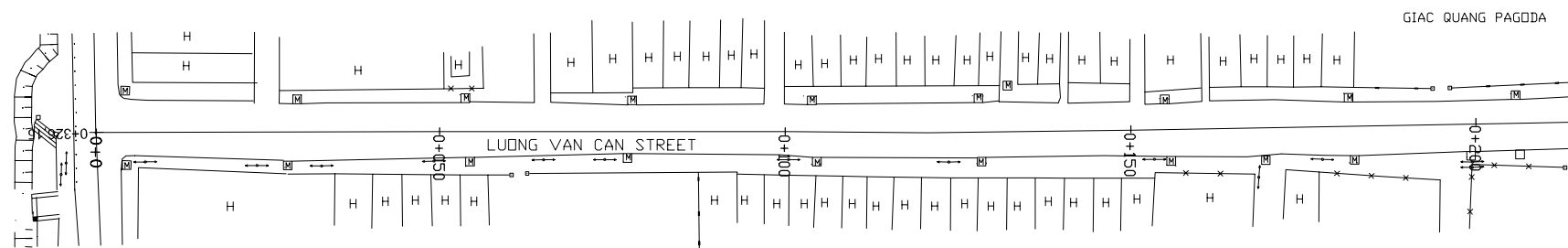
SCALE : AS SHOW

JAPAN INTERNATIONAL COOPERATION AGENCY ( JICA )

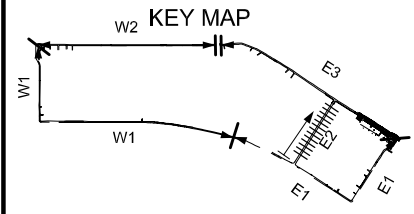
PACIFIC CONSULTANTS INTERNATIONAL

DESIGNED \_\_\_\_\_ CHECKED \_\_\_\_\_

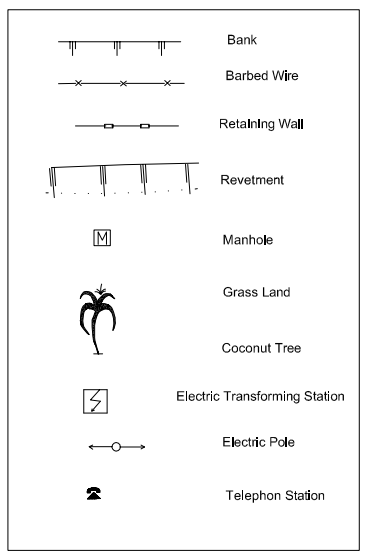
DATE : \_\_\_\_\_ DWG. No. \_\_\_\_\_



Location of Survey	0+00	0+050	0+100	0+150	0+200
Manhole Number					
Diameter (mm)					
Gradient (%)					
Length (m)					
Gradient of Road (%)					
Design road Elevation (m)					
Existing Ground Elevation (m)	1.26	1.08	1.10	1.08	1.14
Earth Covering (m)					
Invert Elevation (m)					
Total Accumulation Length (m)					



LEGEND



NO.	DATE	DESCRIPTIONS	BY	APRO.

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

BEN ME COC(1) AREA  
PLAN AND LONGITUDINAL SURVEY  
OF SEWER ROUTE (5)  
BM1 - E2 (M1-M9)

SCALE : AS SHOW

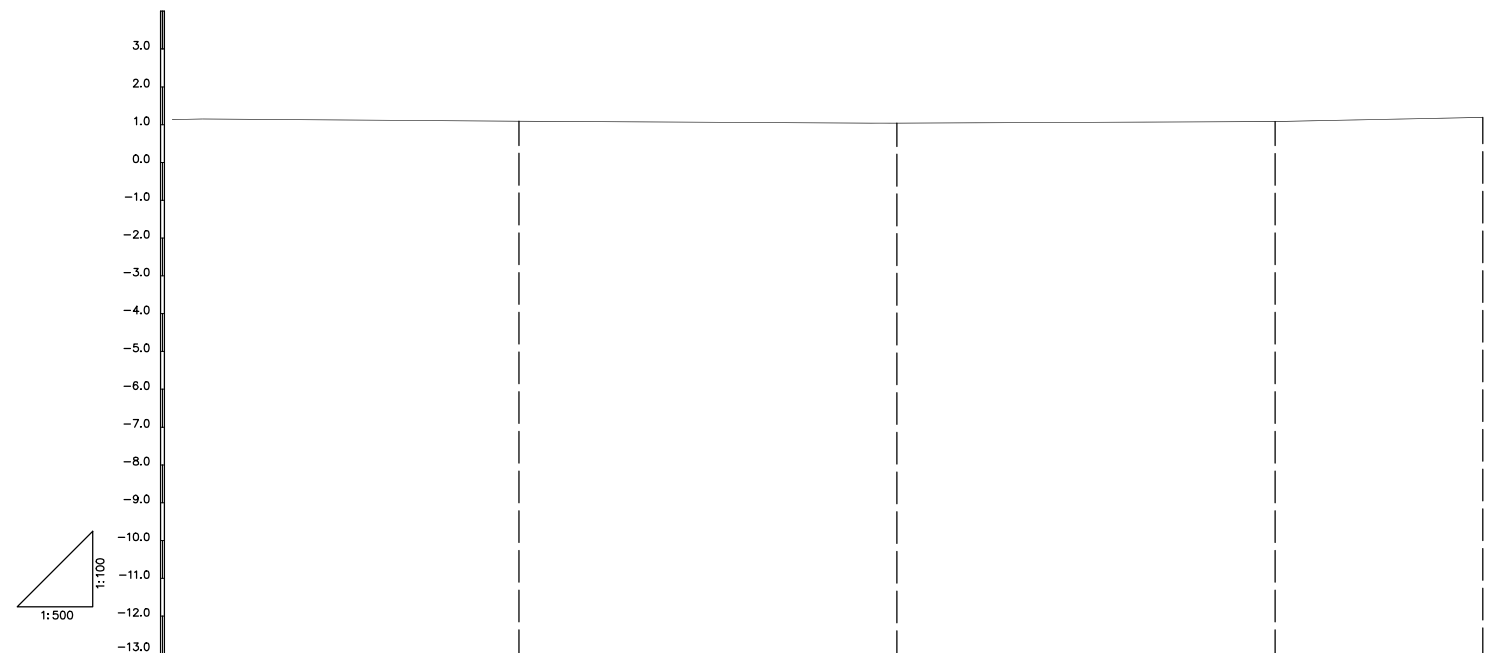
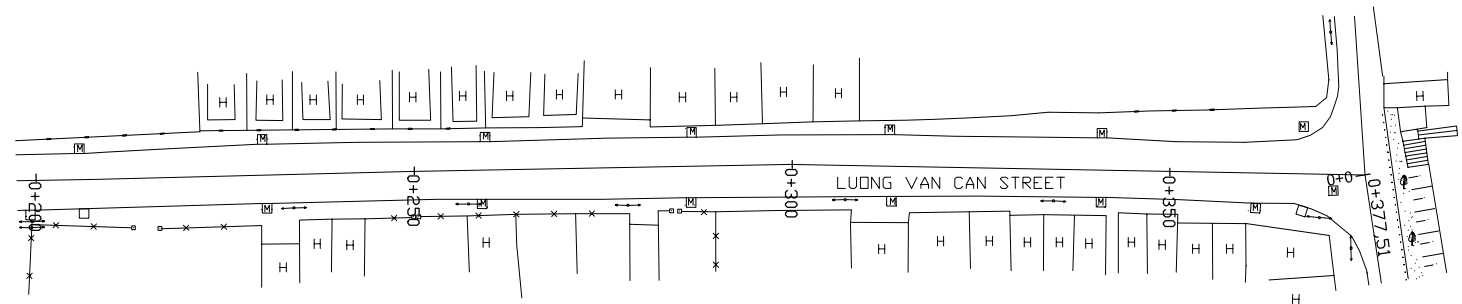
JICA JAPAN INTERNATIONAL COOPERATION  
AGENCY ( JICA )

PACIFIC CONSULTANTS INTERNATIONAL

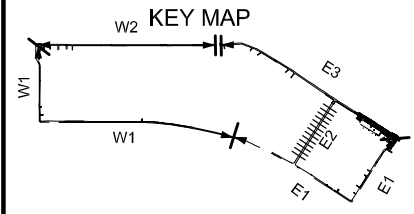
DESIGNED \_\_\_\_\_ CHECKED \_\_\_\_\_

DATE : \_\_\_\_\_ DWG. No. \_\_\_\_\_





Location of Survey	0+250	0+300	0+350	0+377.5
Manhole Number				
Diameter (mm)				
Gradient (%)				
Length (m)				
Gradient of Road (%)				
Design road Elevation (m)				
Existing Ground Elevation (m)	1.11	1.06	1.10	1.21
Earth Covering (m)				
Invert Elevation (m)				
Total Accumulation Length (m)				



LEGEND

	Bank
	Barbed Wire
	Retaining Wall
	Revetment
	Manhole
	Grass Land
	Coconut Tree
	Electric Transforming Station
	Electric Pole
	Telephone Station

NO.	DATE	DESCRIPTIONS	BY	APRO.

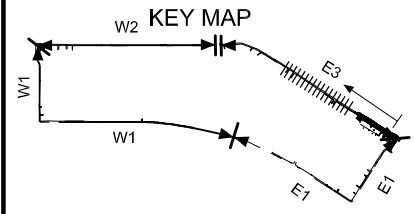
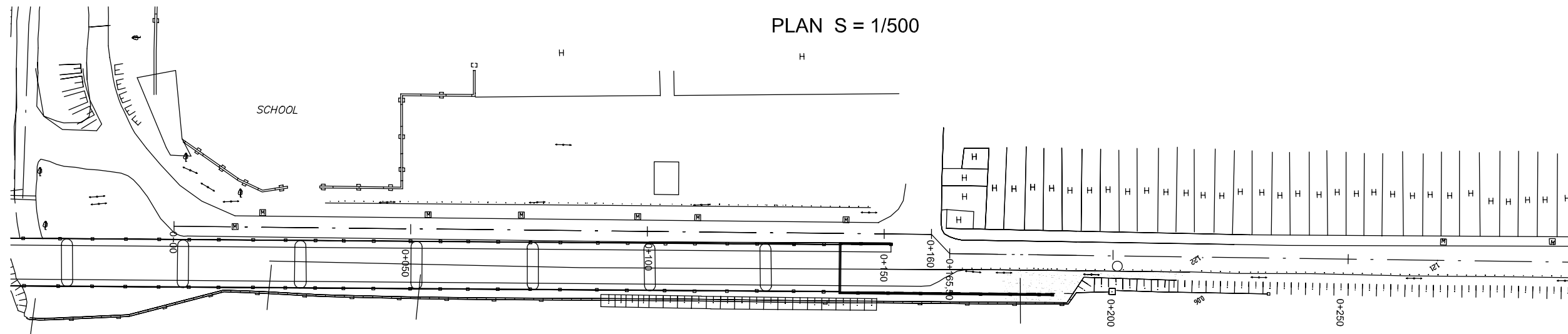
REVISIONS

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

BEN ME COC(1) AREA  
**PLAN AND LONGITUDINAL SURVEY  
OF SEWER ROUTE (6)**  
BM1 - E2 (M9-M15)

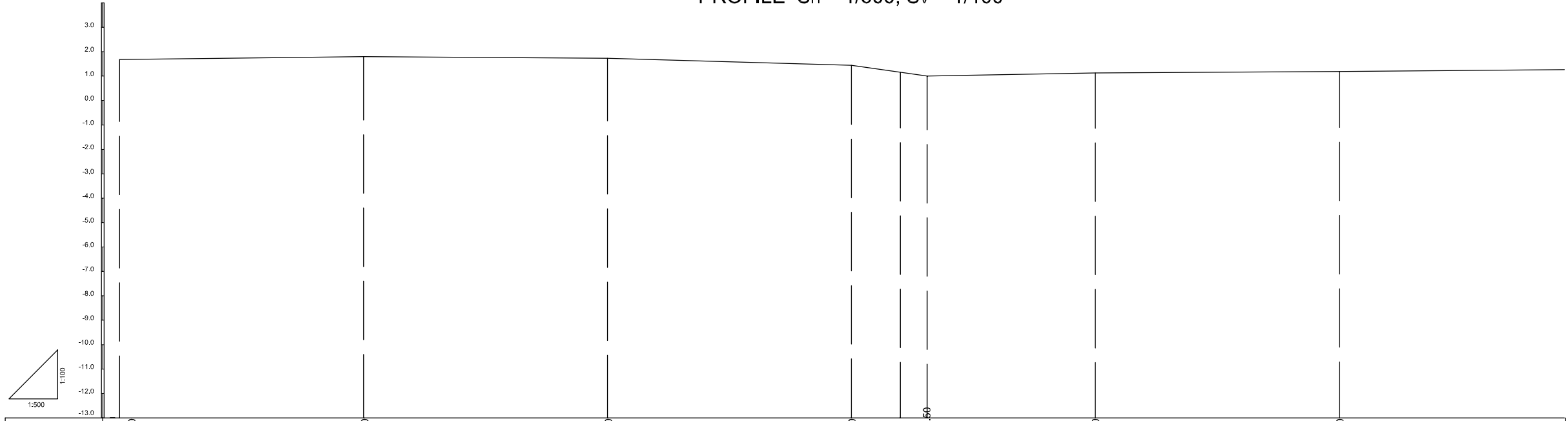
SCALE : AS SHOW	
JAPAN INTERNATIONAL COOPERATION AGENCY ( JICA )	
PACIFIC CONSULTANTS INTERNATIONAL	
DESIGNED	CHECKED
DATE :	DWG. No.



**LEGEND**

	Bank
	Barbed Wire
	Retaining Wall
	Revetment
	Manhole
	Grass Land
	Coconut Tree
	Electric Transforming Station
	Electric Pole
	Telephone Station

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



Location of Survey	0+00	0+50	0+100	0+150	0+165.60	0+200	0+250
Manhole Number							
Diameter (mm)							
Gradient (‰)							
Length (m)							
Gradient of Road (‰)							
Design road Elevation (m)							
Existing Ground Elevation (m)	1.68	1.80	1.73	1.44	1.01	1.00	1.13
Earth Covering (m)							
Invert Elevation (m)							
Total Accumulation Length (m)							

NO.	DATE	DESCRIPTIONS	BY	APRO.
-----	------	--------------	----	-------

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

BEN ME COC(1) AREA  
PLAN AND LONGITUDINAL SURVEY  
OF SEWER ROUTE (7)  
BM1 - E3

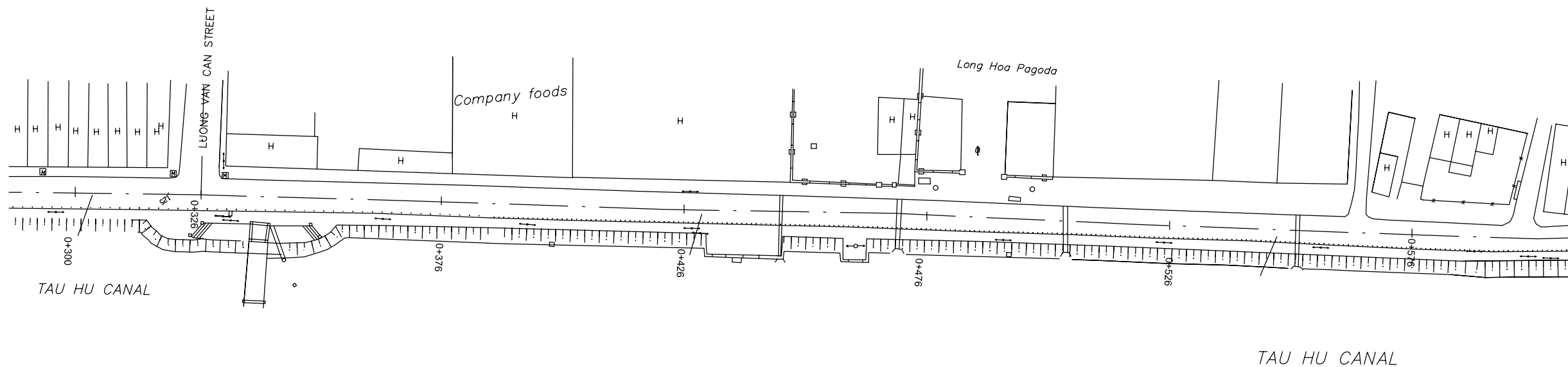
SCALE : AS SHOW

JAPAN INTERNATIONAL COOPERATION AGENCY ( JICA )

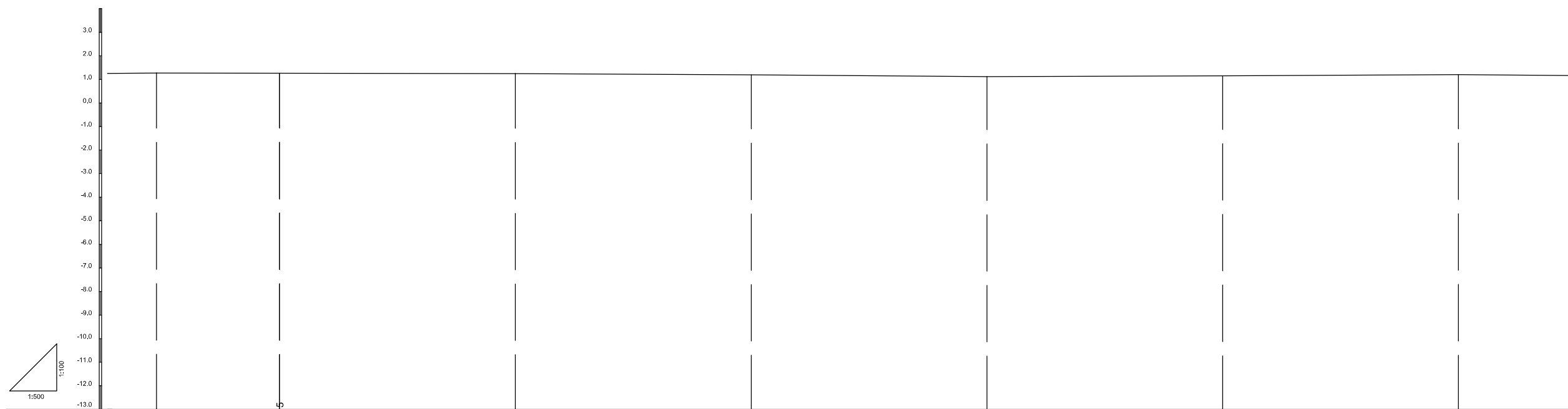
PACIFIC CONSULTANTS INTERNATIONAL

DESIGNED	CHECKED
DATE :	DWG. No.

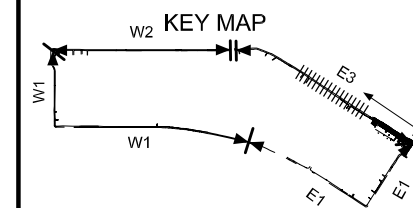
PLAN S = 1/500



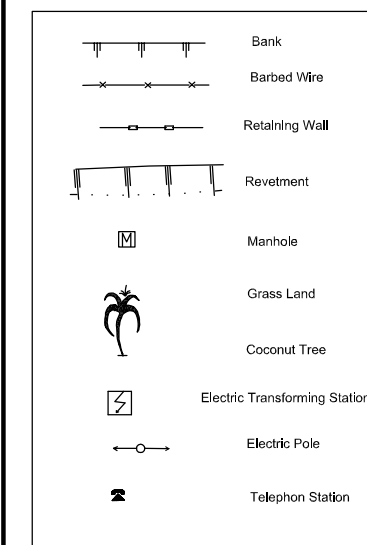
PROFILE S<sub>H</sub> = 1/500, S<sub>V</sub> = 1/100



Location of Survey	0+300	0+326.15	0+376	0+426	0+476	0+526	0+576
Manhole Number							
Diameter (mm)							
Gradient (‰)							
Length (m)							
Gradient of Road (‰)							
Design road Elevation (m)							
Existing Ground Elevation (m)	1.27	1.26	1.24	1.19	1.12	1.15	1.20
Earth Covering (m)							
Invert Elevation (m)							
Total Accumulation Length (m)							



LEGEND



NO.	DATE	DESCRIPTIONS	BY	APRO.

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

BEN ME COC(1) AREA  
PLAN AND LONGITUDINAL SURVEY  
OF SEWER ROUTE (8)  
BM1 - E3

SCALE : AS SHOW

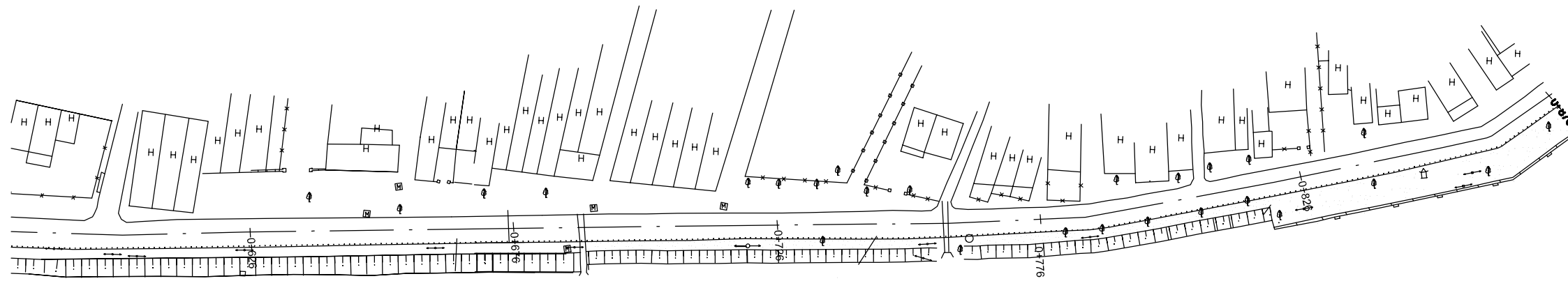
JICA JAPAN INTERNATIONAL COOPERATION  
AGENCY ( JICA )

PACIFIC CONSULTANTS INTERNATIONAL

DESIGNED \_\_\_\_\_ CHECKED \_\_\_\_\_

DATE : \_\_\_\_\_ DWG. No. \_\_\_\_\_

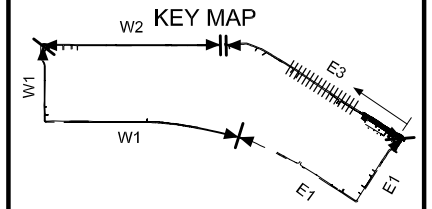
PLAN S = 1/500



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



Location of Survey	0+626	0+676	0+726	0+776	0+826
Manhole Number					
Diameter (mm)					
Gradient (%)					
Length (m)					
Gradient of Road (%)					
Design road Elevation (m)					
Existing Ground Elevation (m)	1.12	1.11	1.25	1.29	1.26
Earth Covering (m)					
Invert Elevation (m)					
Total Accumulation Length (m)					



LEGEND

	Bank
	Barbed Wire
	Retaining Wall
	Revetment
	Manhole
	Grass Land
	Coconut Tree
	Electric Transforming Station
	Electric Pole
	Telephone Station

NO.	DATE	DESCRIPTIONS	BY	APRO.
-----	------	--------------	----	-------

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

BEN ME COC(1) AREA  
PLAN AND LONGITUDINAL SURVEY  
OF SEWER ROUTE (9)  
BM1 - E3

SCALE : AS SHOW

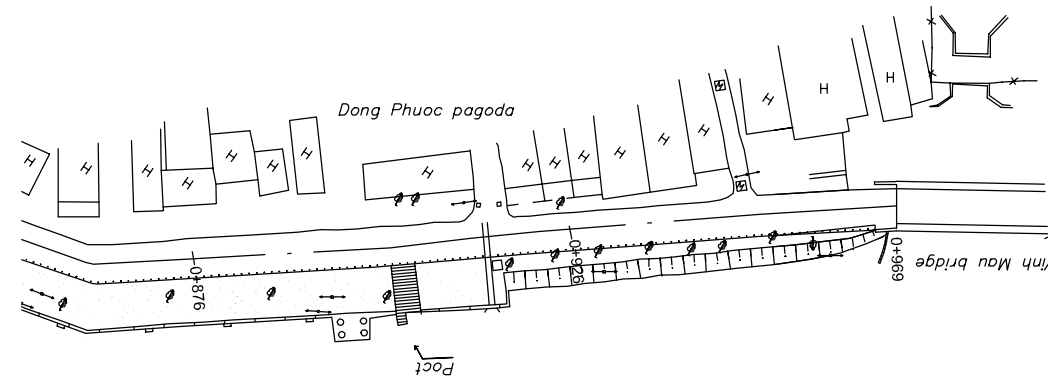
JAPAN INTERNATIONAL COOPERATION  
AGENCY ( JICA )

PACIFIC CONSULTANTS INTERNATIONAL

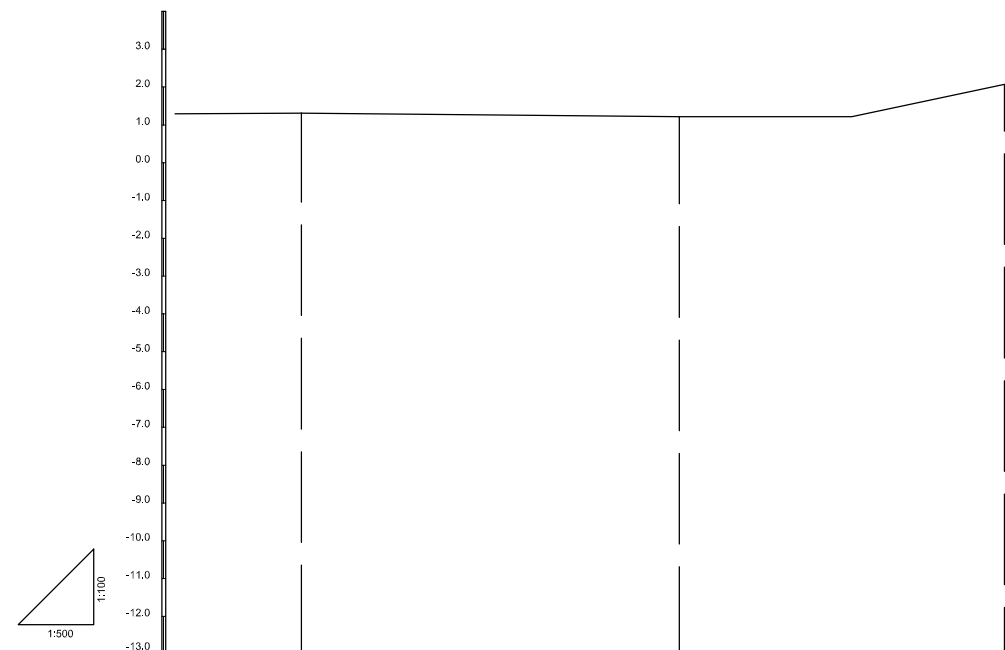
DESIGNED \_\_\_\_\_ CHECKED \_\_\_\_\_

DATE : \_\_\_\_\_ DWG. No. \_\_\_\_\_

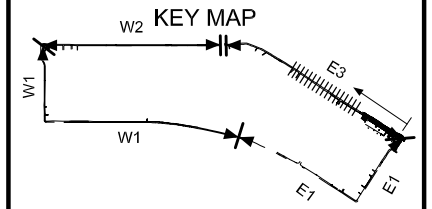
PLAN S = 1/500



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



Location of Survey	0+876	0+926	0+969
Manhole Number			
Diameter (mm)			
Gradient (%)			
Length (m)			
Gradient of Road (%)			
Design road Elevation (m)			
Existing Ground Elevation (m)	1.31	1.22	2.07
Earth Covering (m)			
Invert Elevation (m)			
Total Accumulation Length (m)			



LEGEND

	Bank
	Barbed Wire
	Retaining Wall
	Revetment
	Manhole
	Grass Land
	Coconut Tree
	Electric Transforming Station
	Electric Pole
	Telephone Station

NO.	DATE	DESCRIPTIONS	BY	APRO.

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

BEN ME COC(1) AREA  
PLAN AND LONGITUDINAL SURVEY  
OF SEWER ROUTE (10)  
BM1 - E3

SCALE : AS SHOW

JAPAN INTERNATIONAL COOPERATION AGENCY ( JICA )

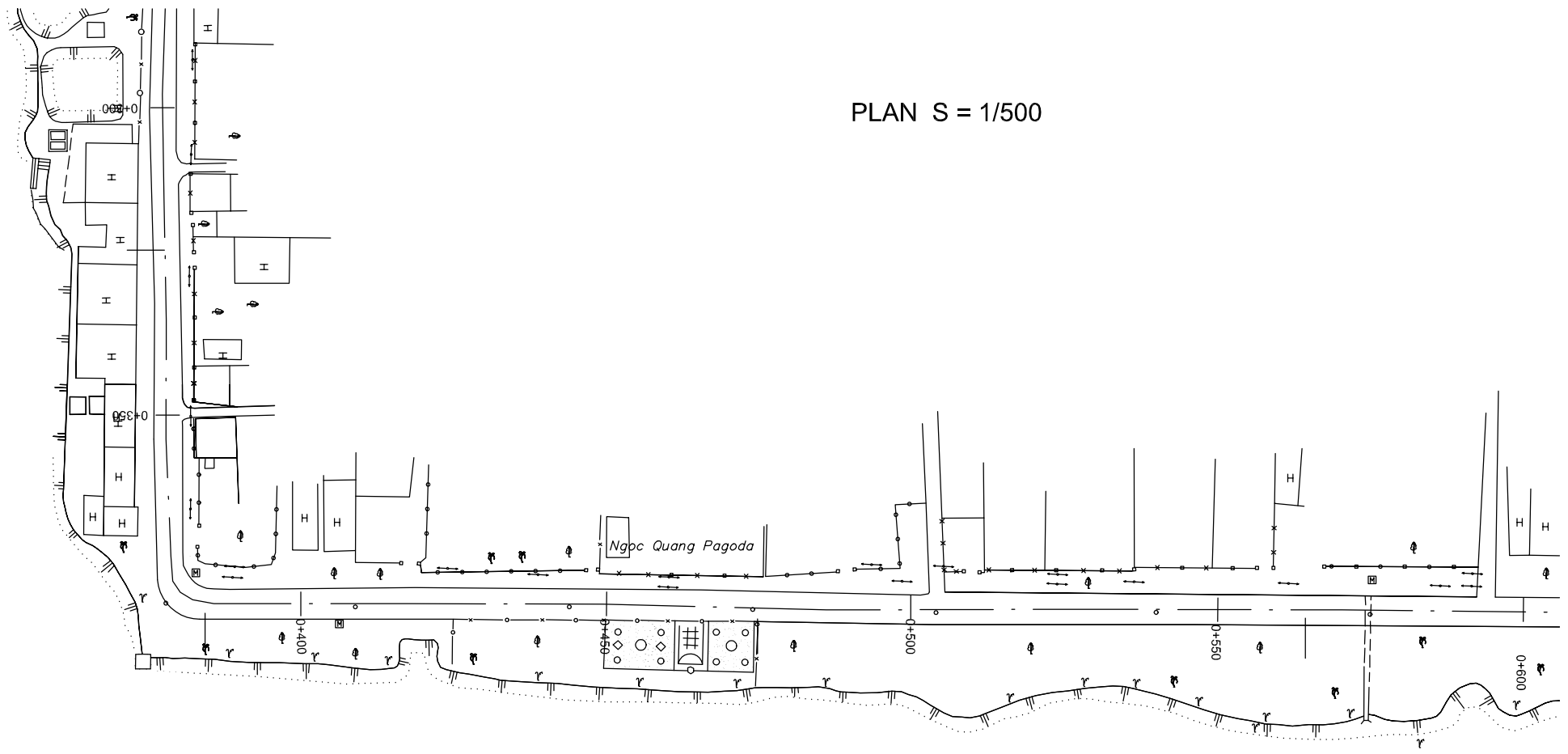
PACIFIC CONSULTANTS INTERNATIONAL

DESIGNED \_\_\_\_\_ CHECKED \_\_\_\_\_

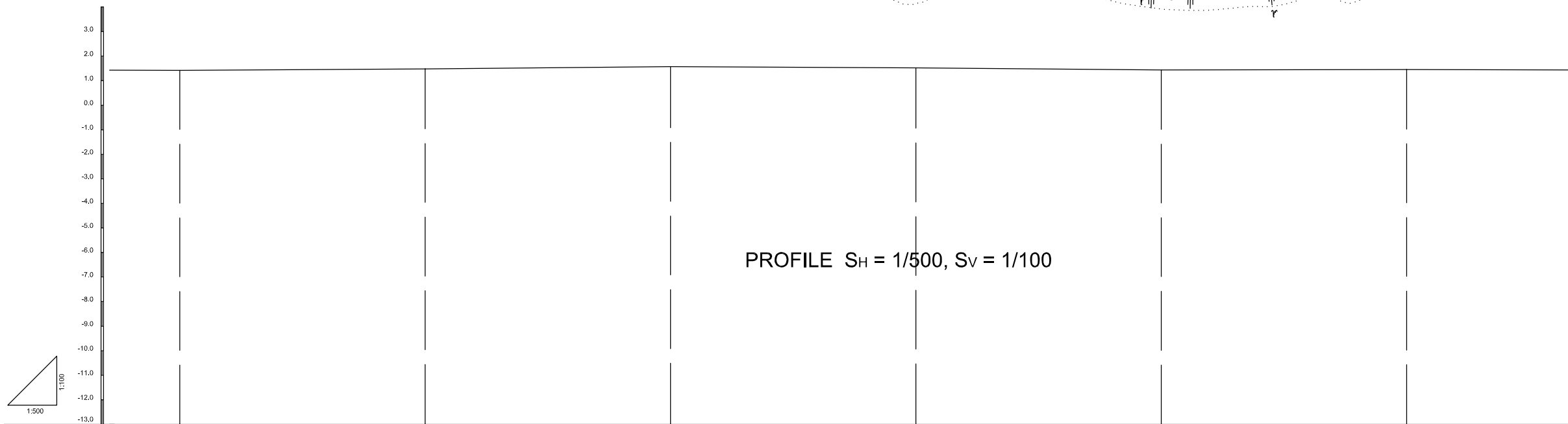
DATE : \_\_\_\_\_ DWG. No. \_\_\_\_\_

N 2.3 CANAL

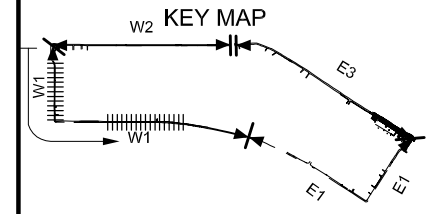
PLAN S = 1/500



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



Location of Survey	0+300	0+350	0+400	0+450	0+500	0+550
Manhole Number						
Diameter (mm)						
Gradient (‰)						
Length (m)						
Gradient of Road (‰)						
Design road Elevation (m)						
Existing Ground Elevation (m)	1.42	1.48	1.57	1.52	1.43	1.45
Earth Covering (m)						
Invert Elevation (m)						
Total Accumulation Length (m)						



LEGEND

- Bank
- Barbed Wire
- Retaining Wall
- Revetment
- Manhole
- Grass Land
- Coconut Tree
- Electric Transforming Station
- Electric Pole
- Telephone Station

NO.	DATE	DESCRIPTIONS	BY	APRO.
-----	------	--------------	----	-------

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

BEN ME COC(1) AREA  
PLAN AND LONGITUDINAL SURVEY  
OF SEWER ROUTE (12)  
BM1 - W1

SCALE : AS SHOW

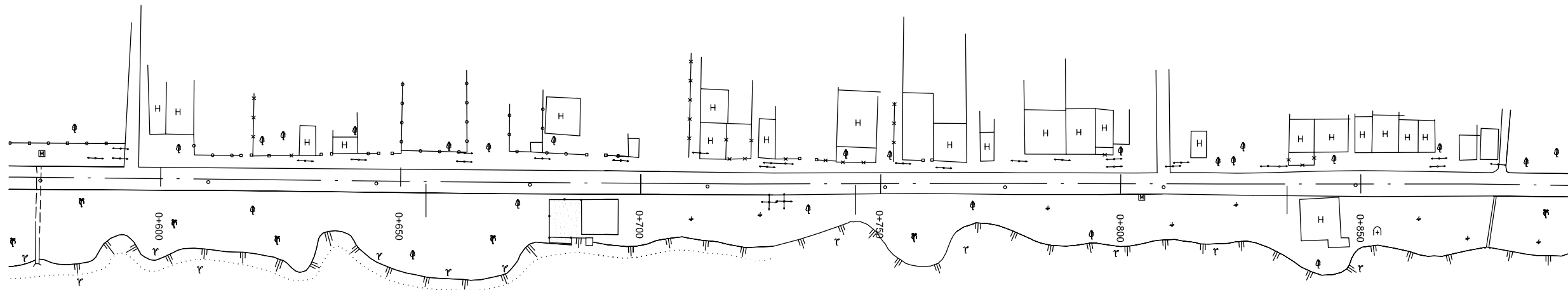
JICA JAPAN INTERNATIONAL COOPERATION AGENCY ( JICA )

PACIFIC CONSULTANTS INTERNATIONAL

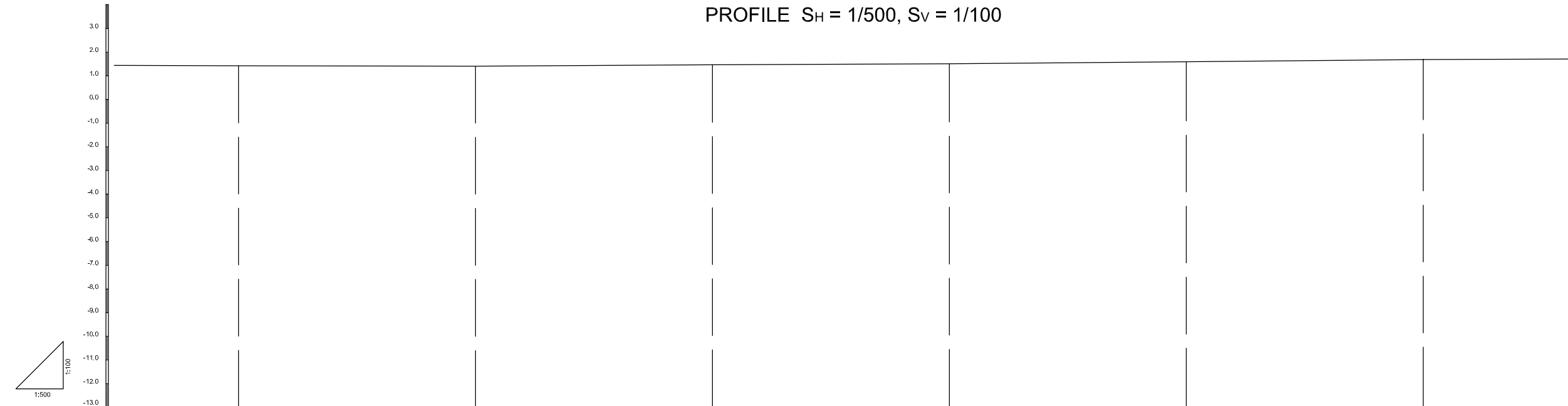
DESIGNED \_\_\_\_\_ CHECKED \_\_\_\_\_

DATE : \_\_\_\_\_ DWG. No. \_\_\_\_\_

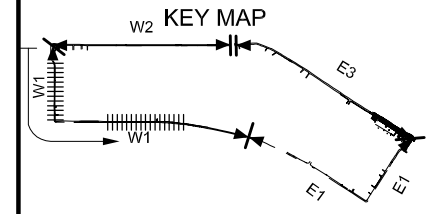
PLAN S = 1/500



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



Location of Survey	0+600	0+650	0+700	0+750	0+800	0+850
Manhole Number						
Diameter (mm)						
Gradient (‰)						
Length (m)						
Gradient of Road (‰)						
Design road Elevation (m)						
Existing Ground Elevation (m)	1.42	1.40	1.46	1.50	1.59	1.68
Earth Covering (m)						
Invert Elevation (m)						
Total Accumulation Length (m)						



LEGEND

	Bank
	Barbed Wire
	Retaining Wall
	Revetment
	Manhole
	Grass Land
	Coconut Tree
	Electric Transforming Station
	Electric Pole
	Telephone Station

NO.	DATE	DESCRIPTIONS	BY	APRO.
-----	------	--------------	----	-------

REVISIONS

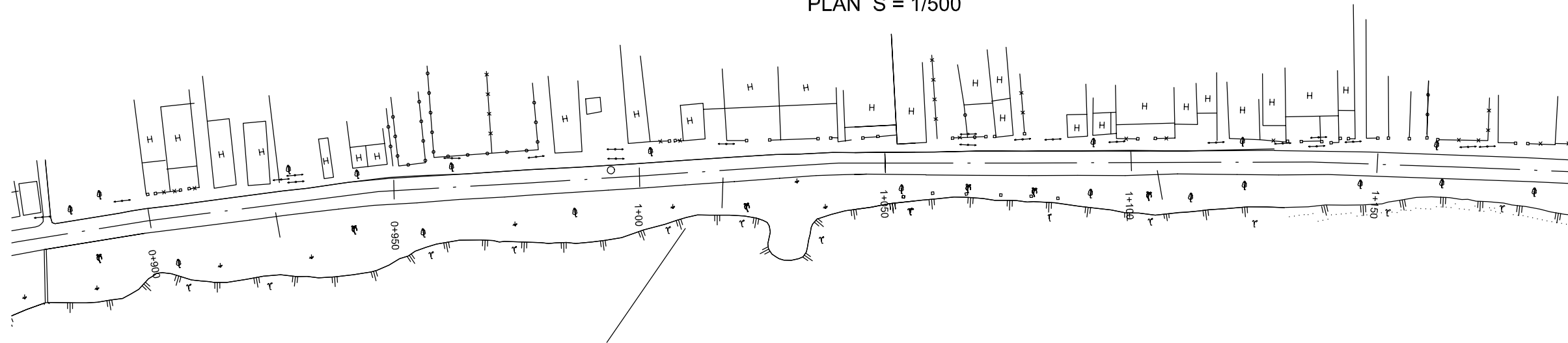
PROJECT MANAGEMENT UNIT FOR  
HO CHI MINH CITY  
WATER ENVIRONMENT IMPROVEMENT

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

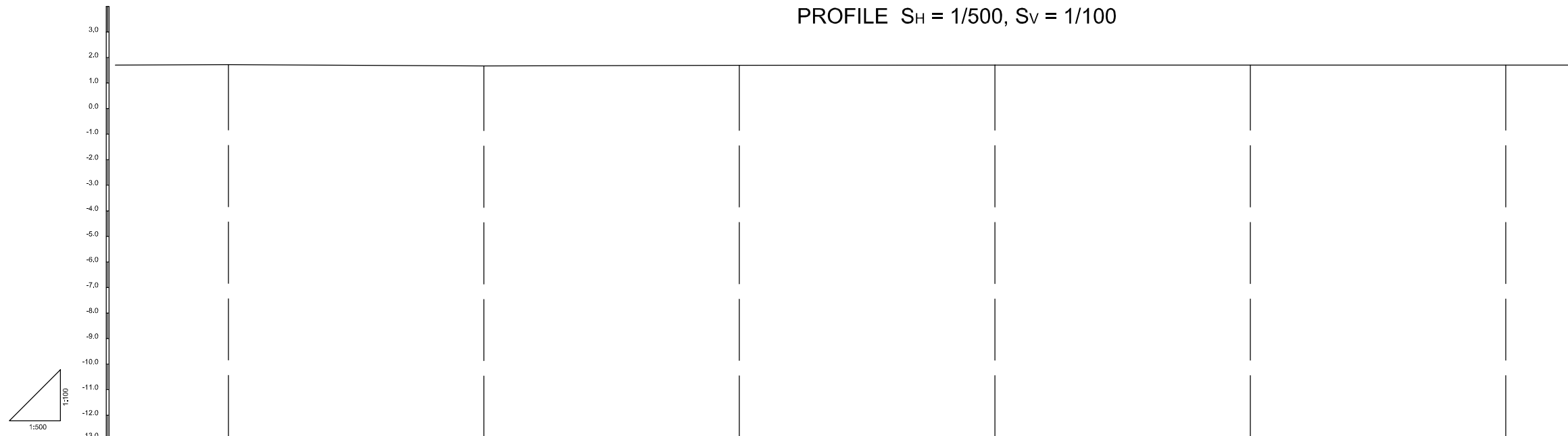
BEN ME COC(1) AREA  
PLAN AND LONGITUDINAL SURVEY  
OF SEWER ROUTE (13)  
BM1 - W1

SCALE : AS SHOW	
JAPAN INTERNATIONAL COOPERATION AGENCY ( JICA )	
PACIFIC CONSULTANTS INTERNATIONAL	
DESIGNED	CHECKED
DATE :	DWG. No.

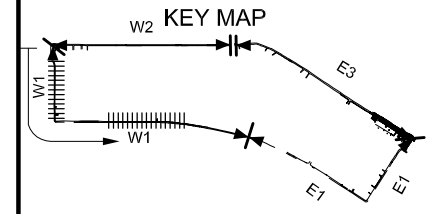
PLAN S = 1/500



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



Location of Survey	0+900	0+950	1+000	1+050	1+100	1+150
Manhole Number						
Diameter (mm)						
Gradient (%)						
Length (m)						
Gradient of Road (%)						
Design road Elevation (m)						
Existing Ground Elevation (m)	1.72	1.67	1.69	1.70	1.70	1.70
Earth Covering (m)						
Invert Elevation (m)						
Total Accumulation Length (m)						



LEGEND

- Bank
- Barbed Wire
- Retaining Wall
- Revetment
- Manhole
- Grass Land
- Coconut Tree
- Electric Transforming Station
- Electric Pole
- Telephone Station

NO.	DATE	DESCRIPTIONS	BY	APRO.

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

BEN ME COC(1) AREA  
PLAN AND LONGITUDINAL SURVEY  
OF SEWER ROUTE (14)  
BM1 - W1

SCALE : AS SHOW

JAPAN INTERNATIONAL COOPERATION AGENCY ( JICA )

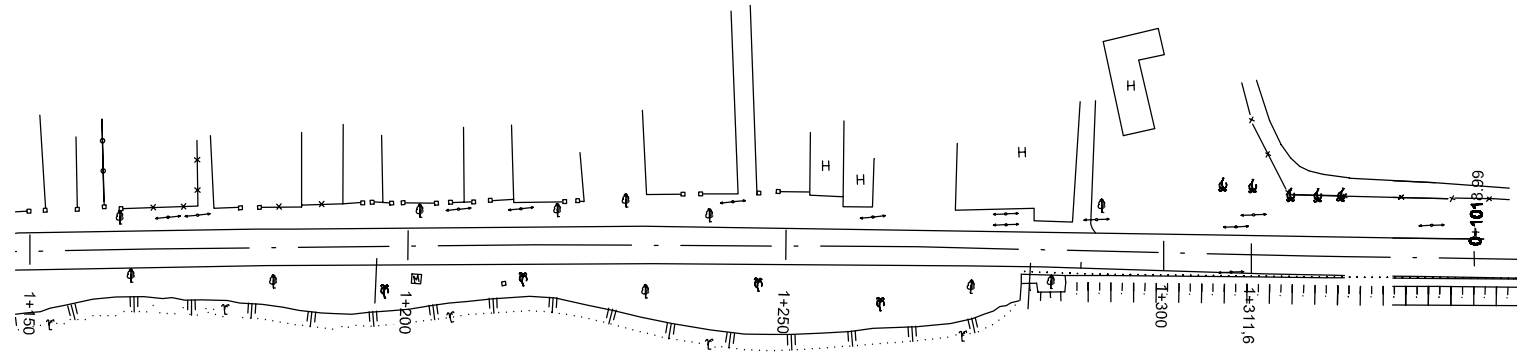
PACIFIC CONSULTANTS INTERNATIONAL

DESIGNED \_\_\_\_\_ CHECKED \_\_\_\_\_

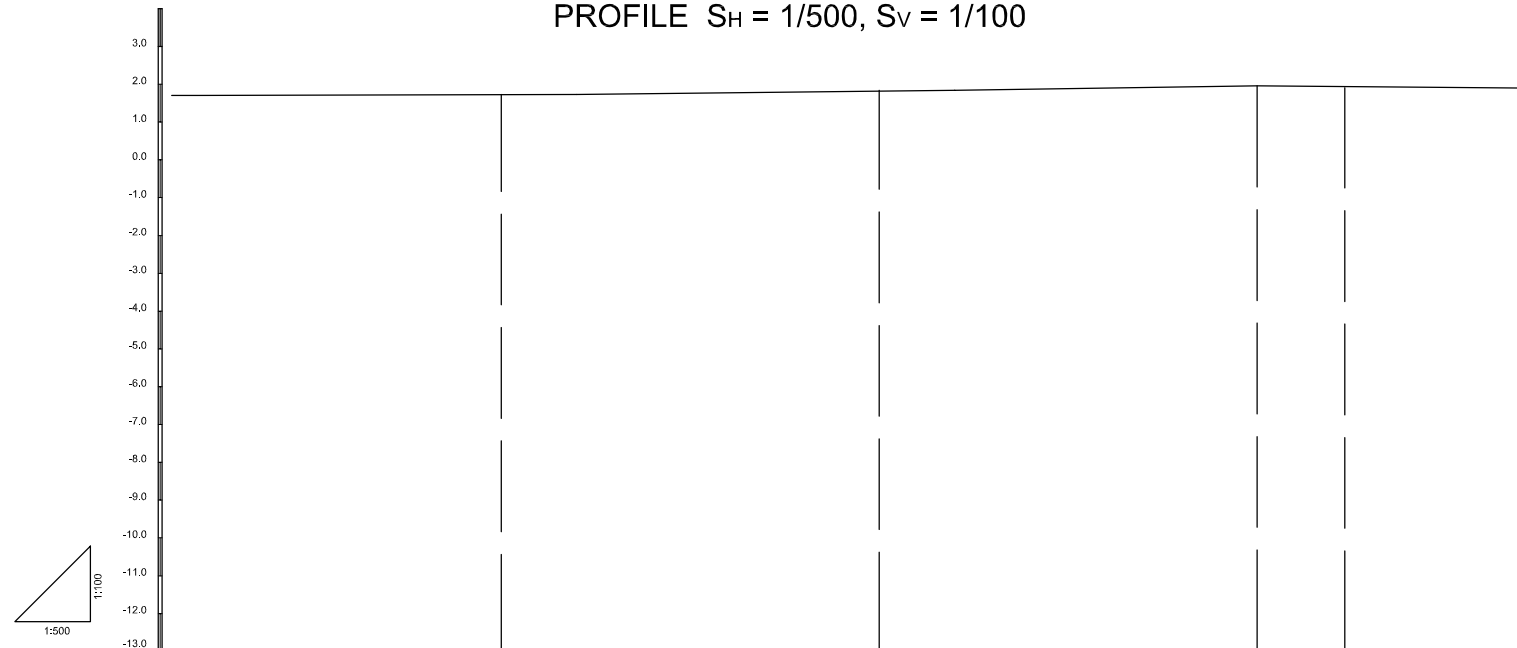
DATE : \_\_\_\_\_ DWG. No. \_\_\_\_\_



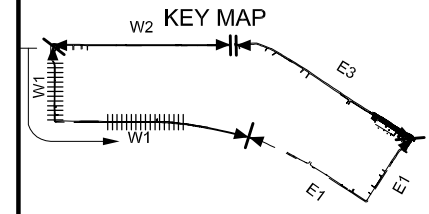
PLAN S = 1/500



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



Location of Survey	1+200	1+250	1+300	1+311.6
Manhole Number				
Diameter (mm)				
Gradient (‰)				
Length (m)				
Gradient of Road (‰)				
Design road Elevation (m)				
Existing Ground Elevation (m)	1.73	1.84	1.96	1.91
Earth Covering (m)				
Invert Elevation (m)				
Total Accumulation Length (m)				



LEGEND

	Bank
	Barbed Wire
	Retaining Wall
	Revetment
	Manhole
	Grass Land
	Coconut Tree
	Electric Transforming Station
	Electric Pole
	Telephone Station

NO.	DATE	DESCRIPTIONS	BY	APRO.

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

BEN ME COC(1) AREA  
PLAN AND LONGITUDINAL SURVEY  
OF SEWER ROUTE (15)  
BM1 - W1

SCALE : AS SHOW

JAPAN INTERNATIONAL COOPERATION  
AGENCY ( JICA )

PACIFIC CONSULTANTS INTERNATIONAL

DESIGNED \_\_\_\_\_ CHECKED \_\_\_\_\_

DATE : \_\_\_\_\_ DWG. No. \_\_\_\_\_