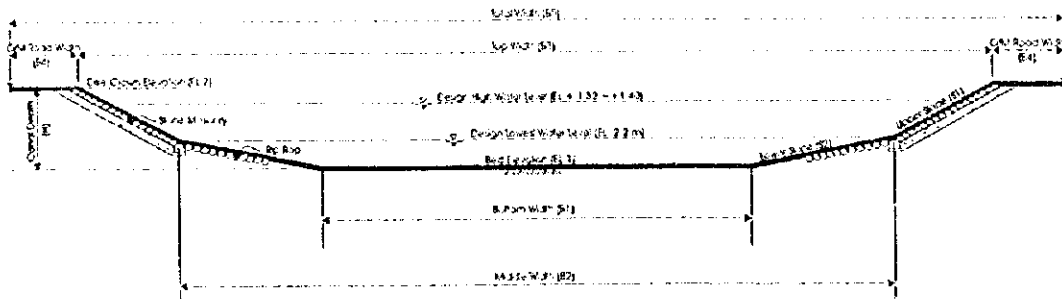
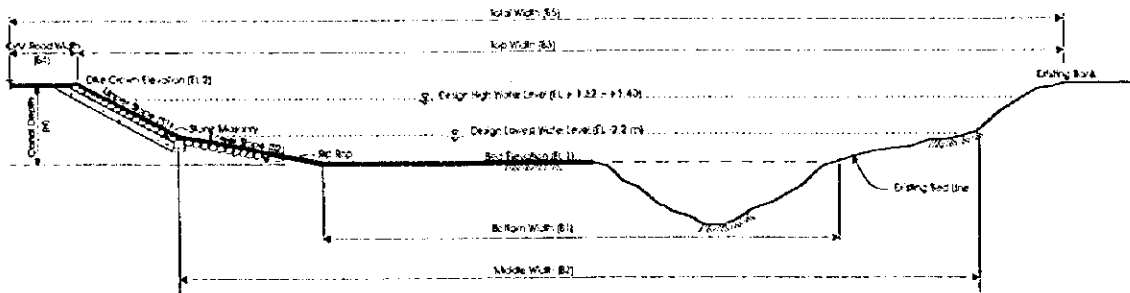


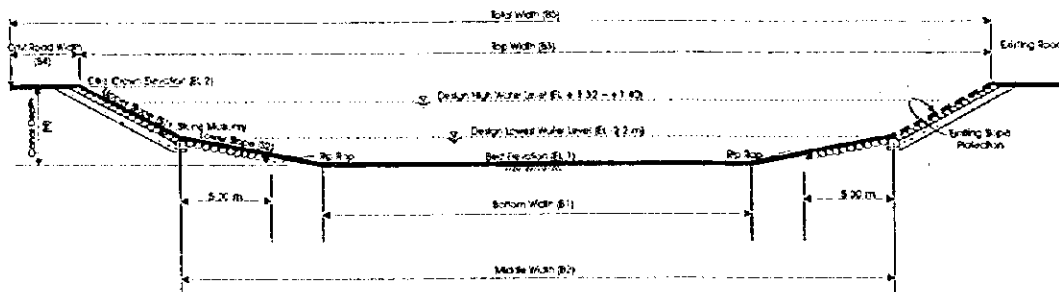
TYPE A1



TYPE A2



TYPE A3



TYPE A4

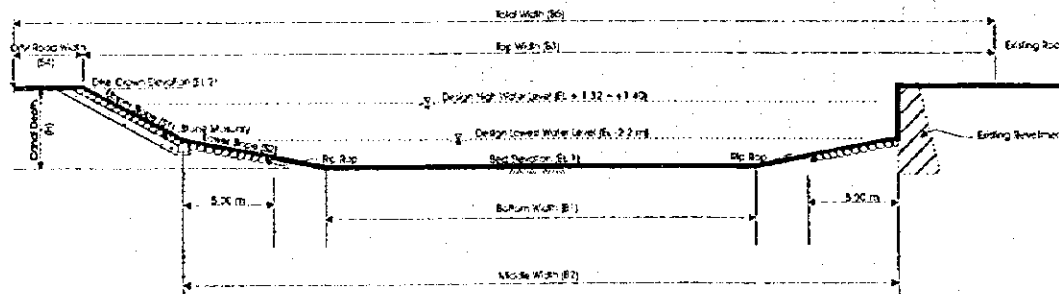


Fig. E.8.7 (1/2) Typical Design Cross Section of Tau Hu – Ben Nghe Canal Improvement

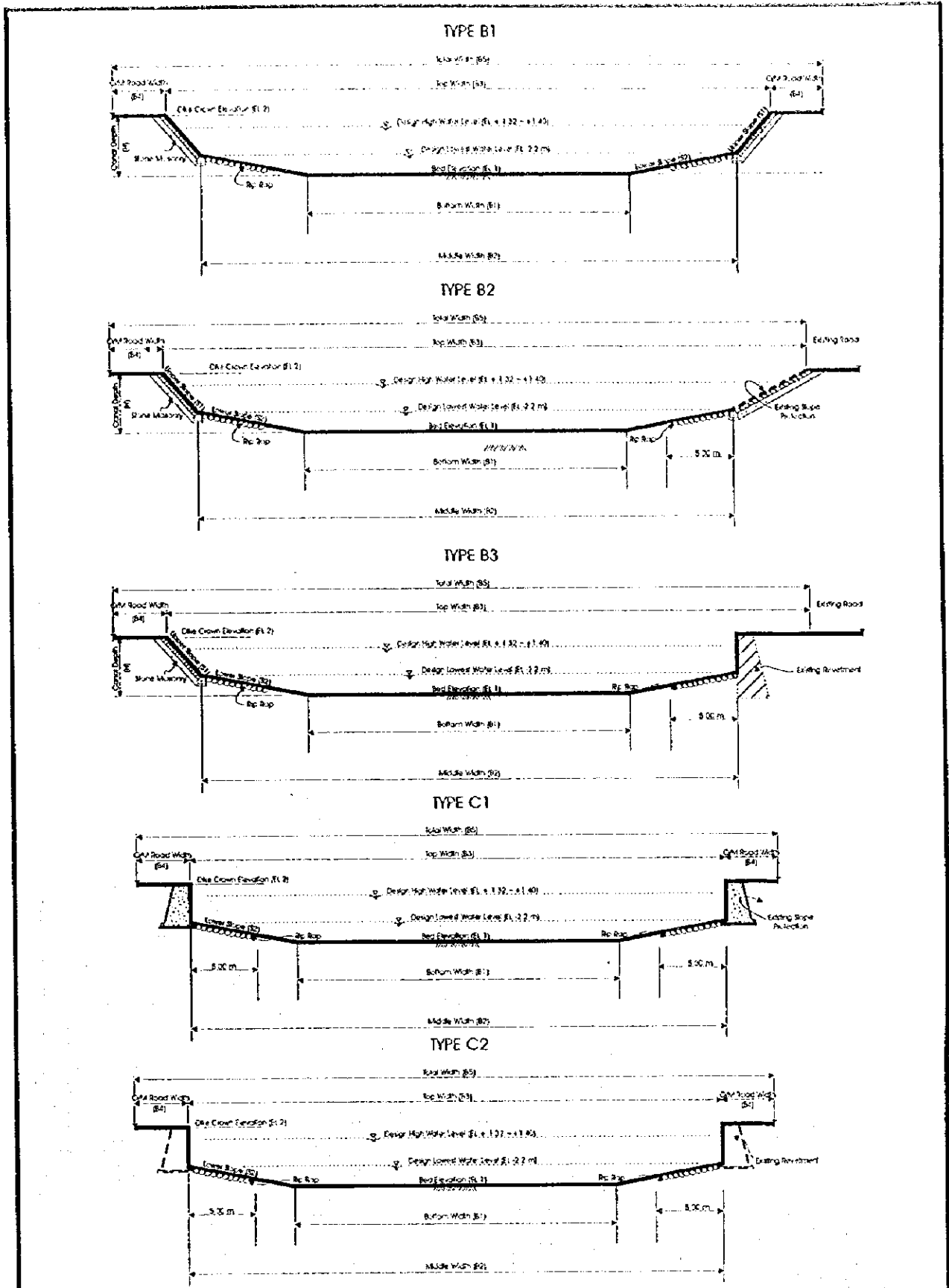
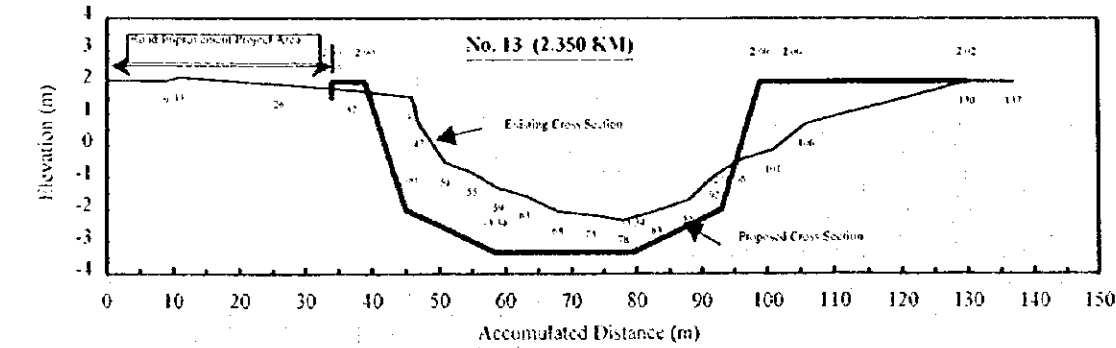
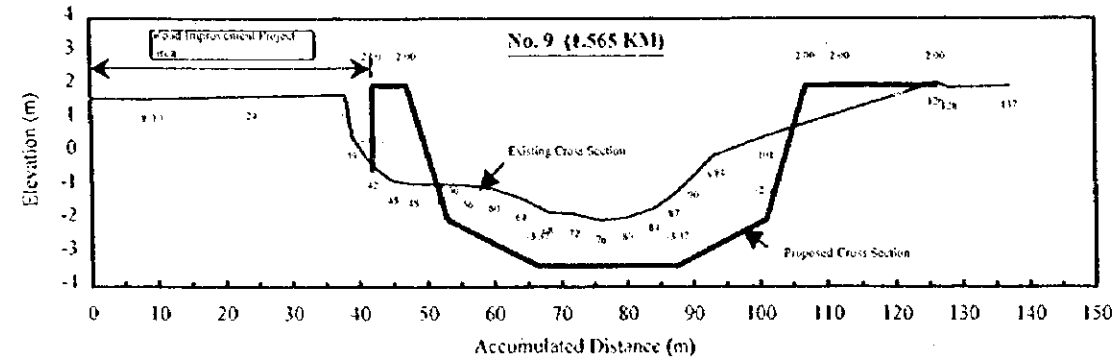
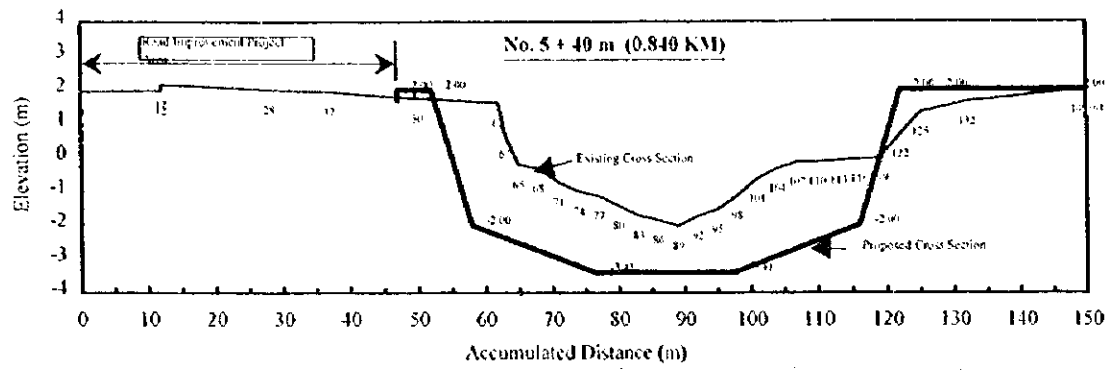
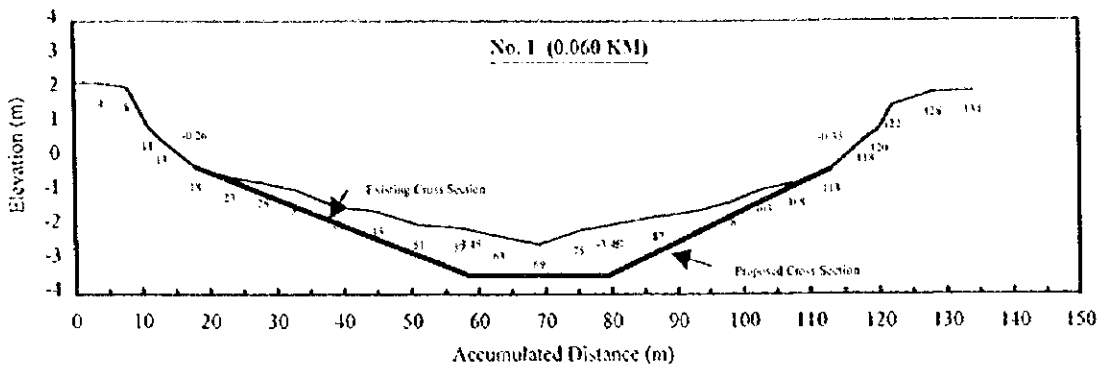
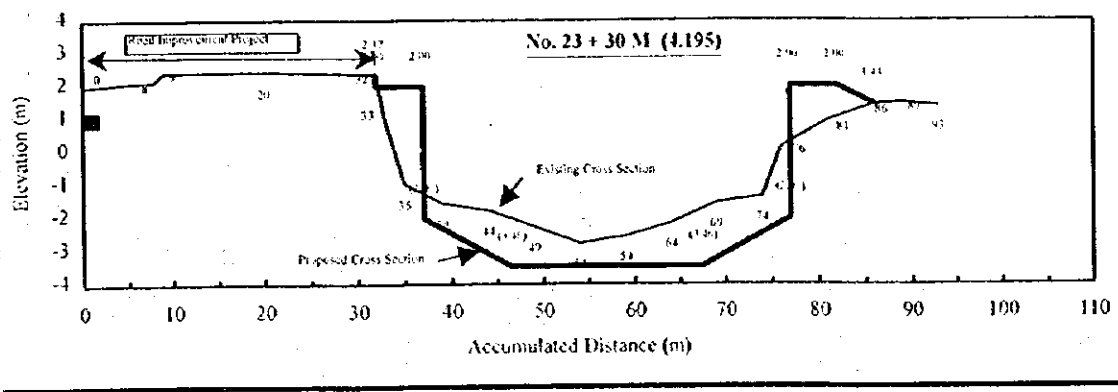
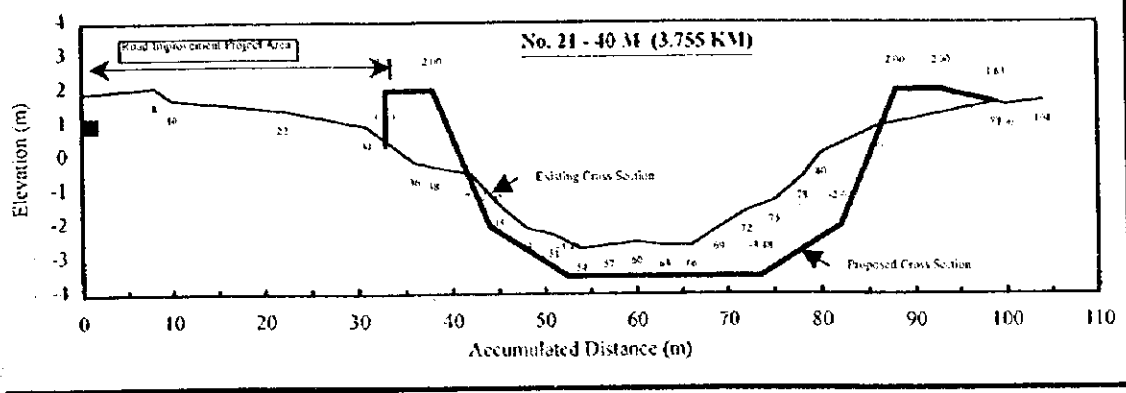
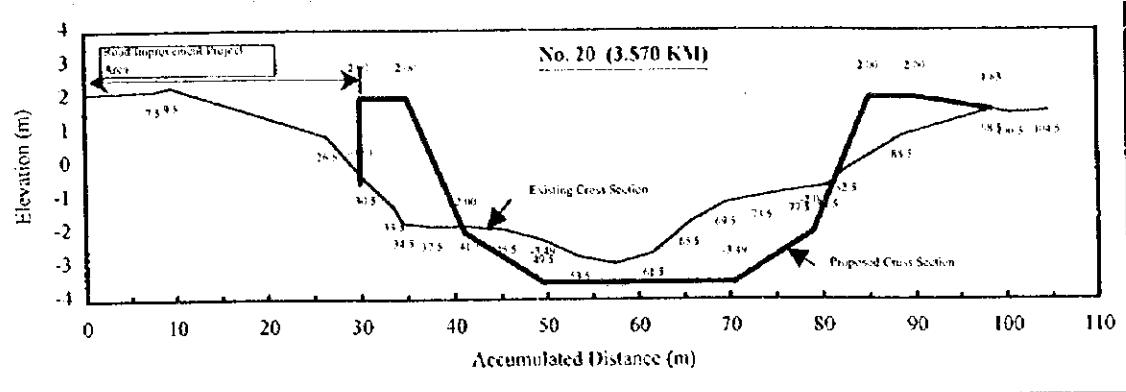
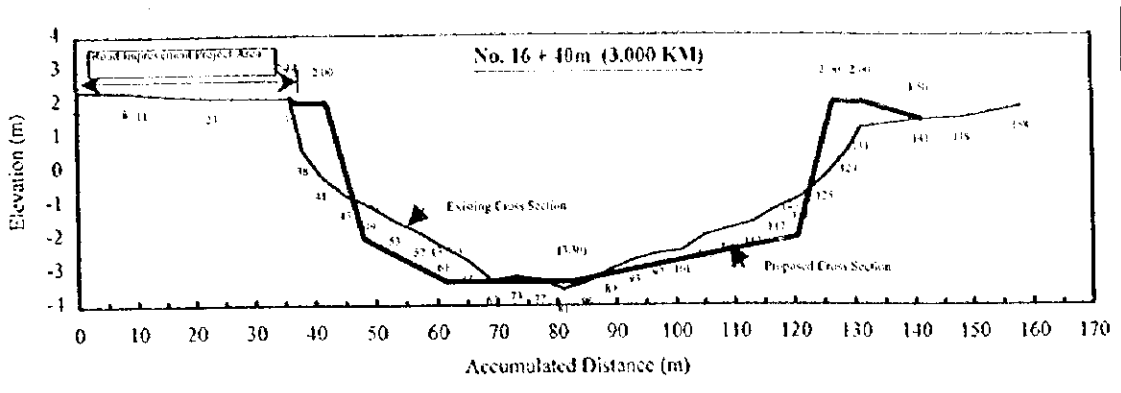


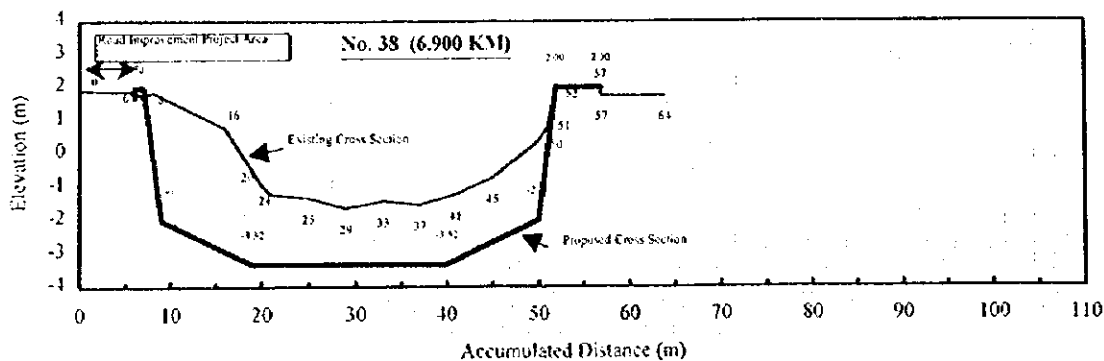
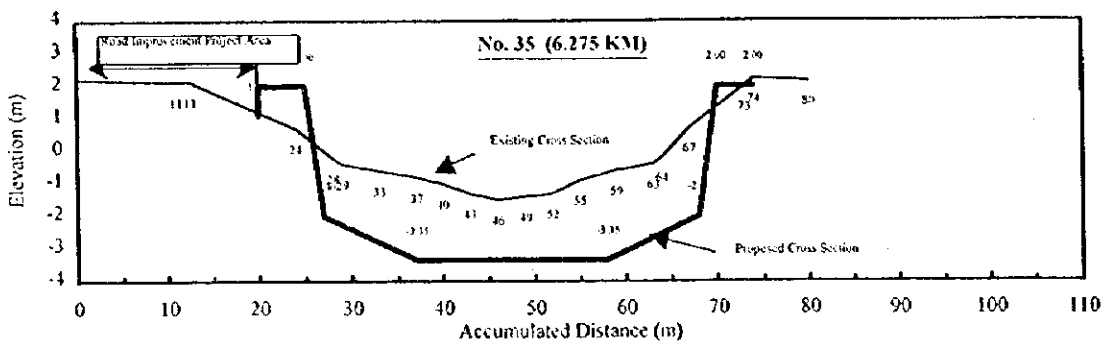
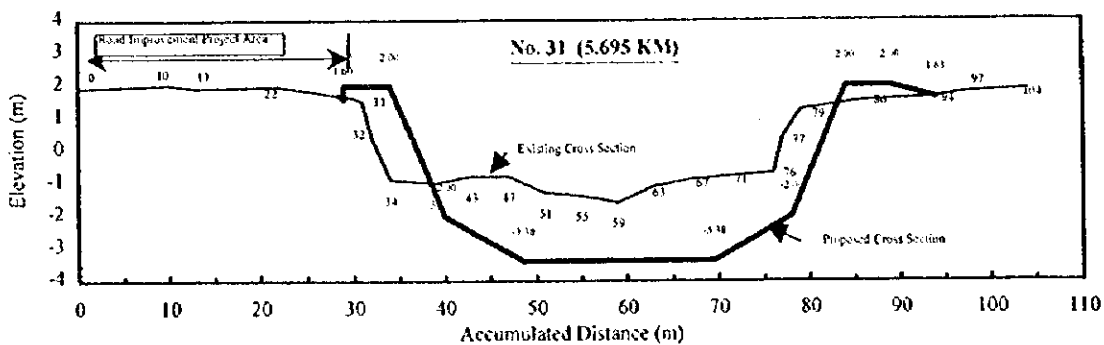
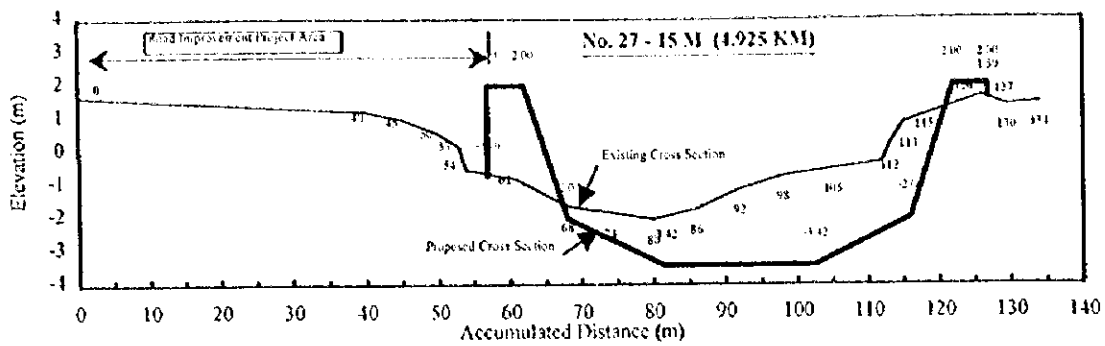
Fig. E.8.7 (2/2) Typical Design Cross Section of Tau Hu – Ben Nghe Canal Improvement



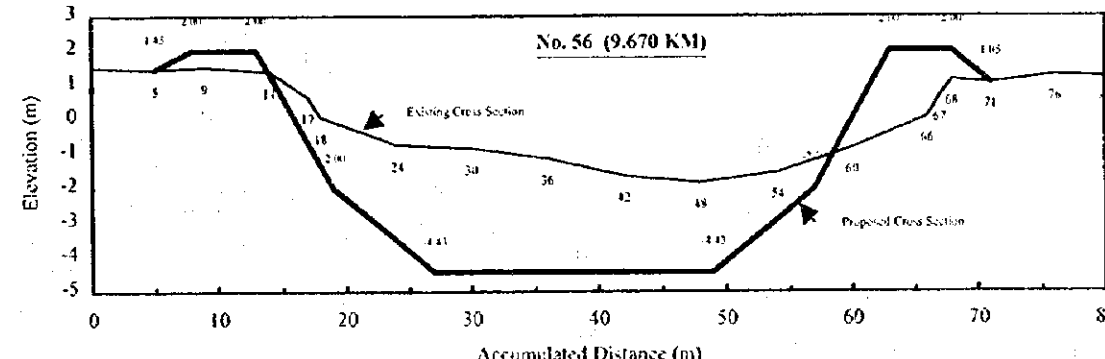
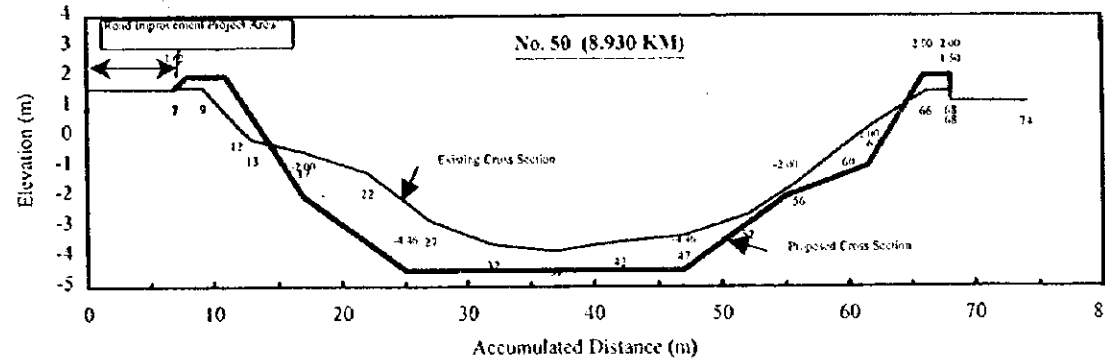
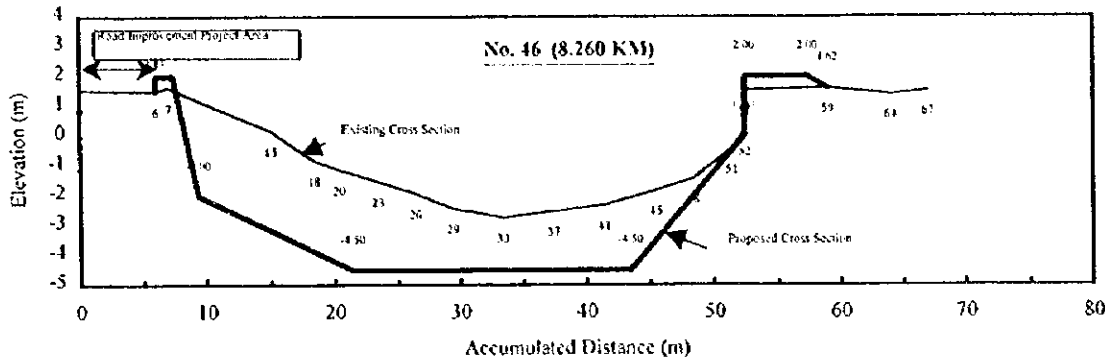
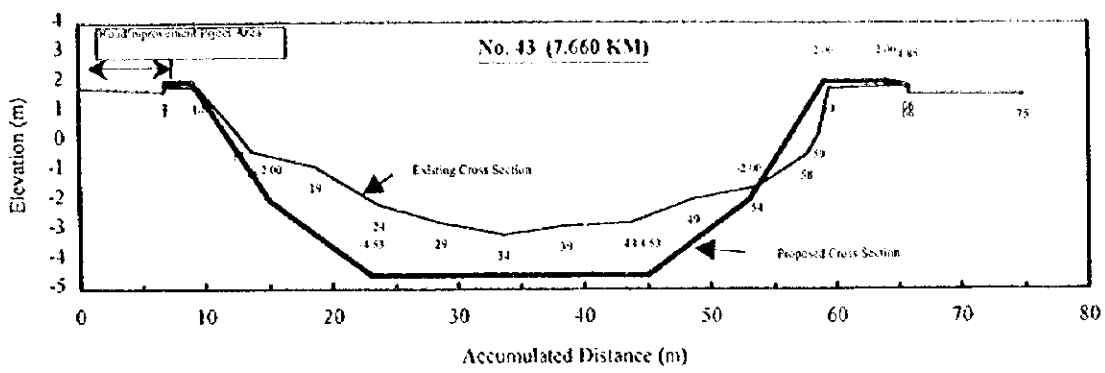
**FIG. E.8.8 (1/5) PROPOSED CROSS SECTION OF TAU HU - BEN NGHE CANAL**



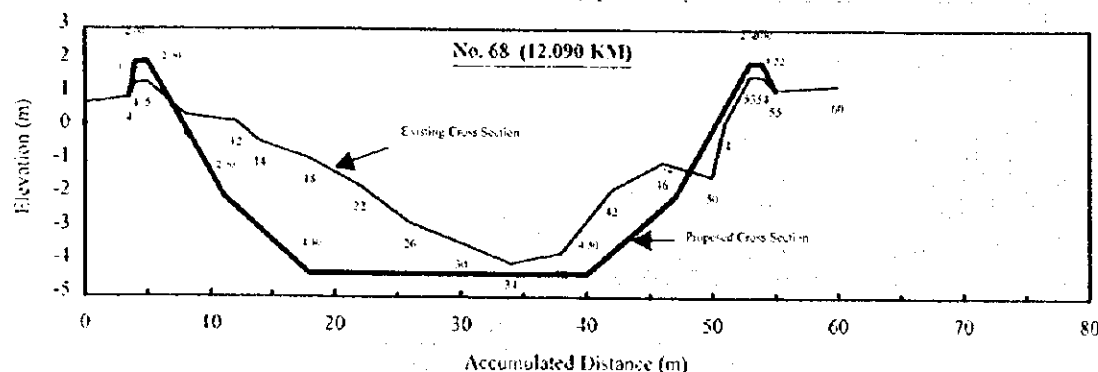
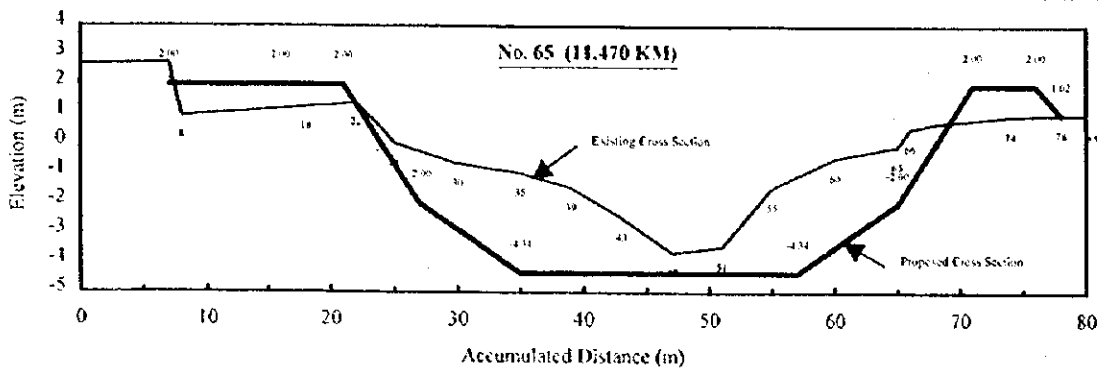
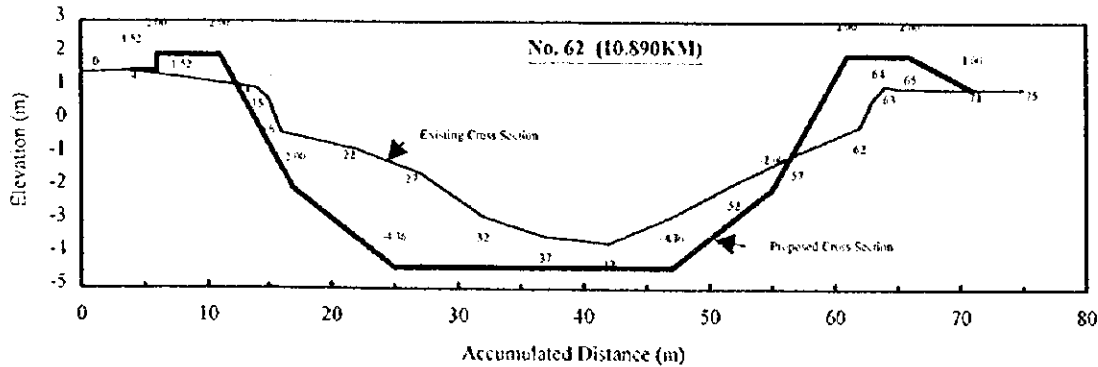
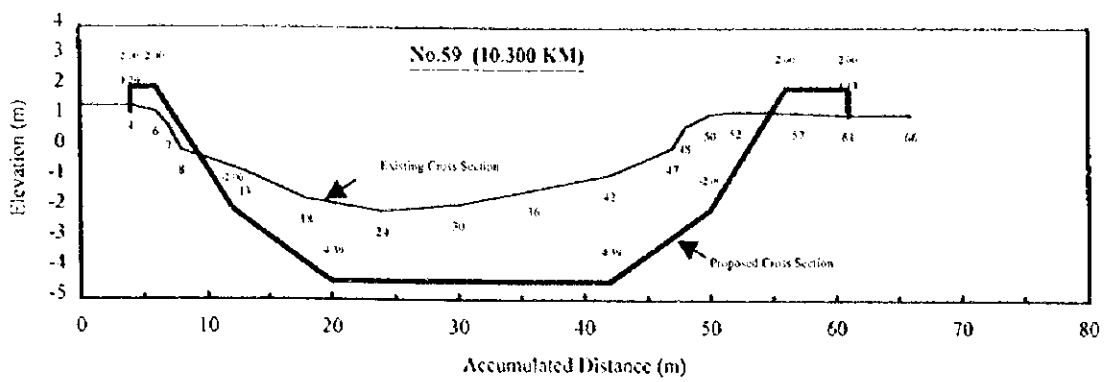
**FIG. E.8.8 (2/5) PROPOSED CROSS SECTION OF TAU HU - BEN NGHIE CANAL**



**FIG. E.8.8 (3/5) PROPOSED CROSS SECTION OF TAU HU - BEN NGHE CANAL**

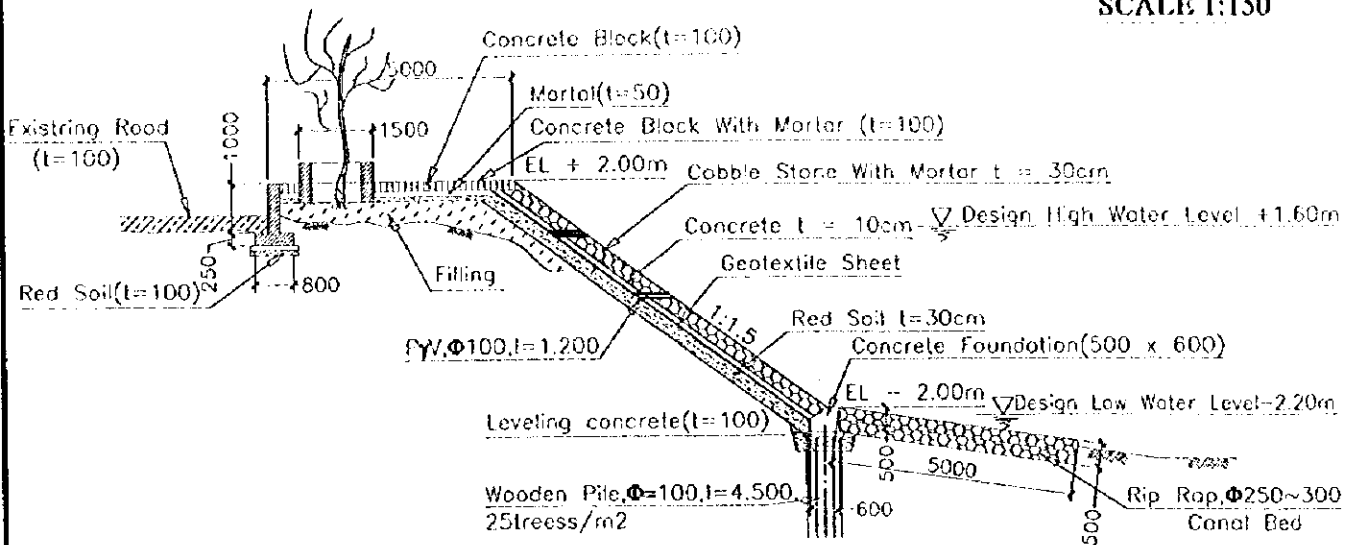


**FIG. E.8.8 (4/5) PROPOSED CROSS SECTION OF TAU HU - BEN NGHIE CANAL**

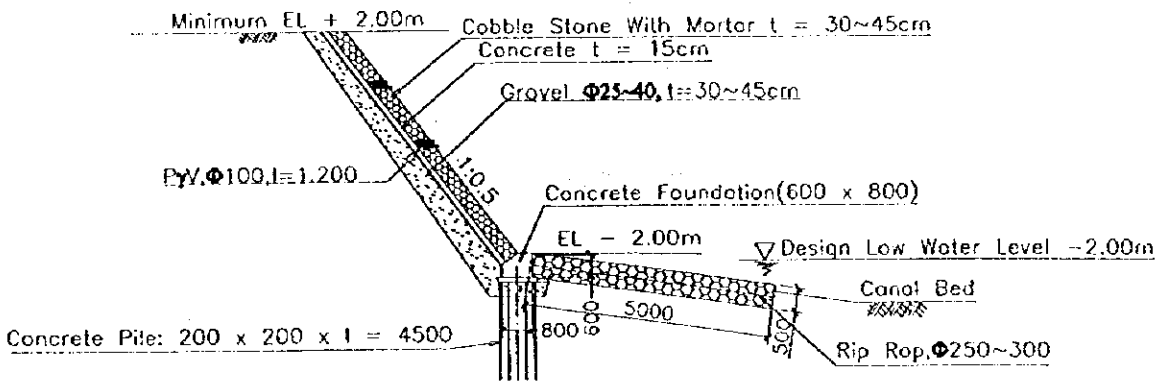


**FIG. E.8.8 (5/5) PROPOSED CROSS SECTION OF TAU HU - BEN NGHE CANAL**

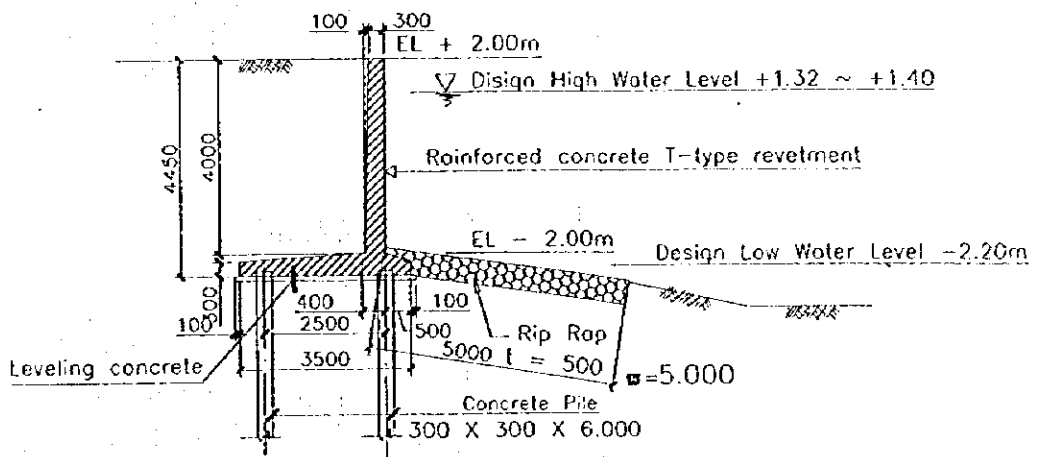
SCALE 1:150



**TYPE-A (STONE MASONRY WITH 1:1.5 SLOPE)**



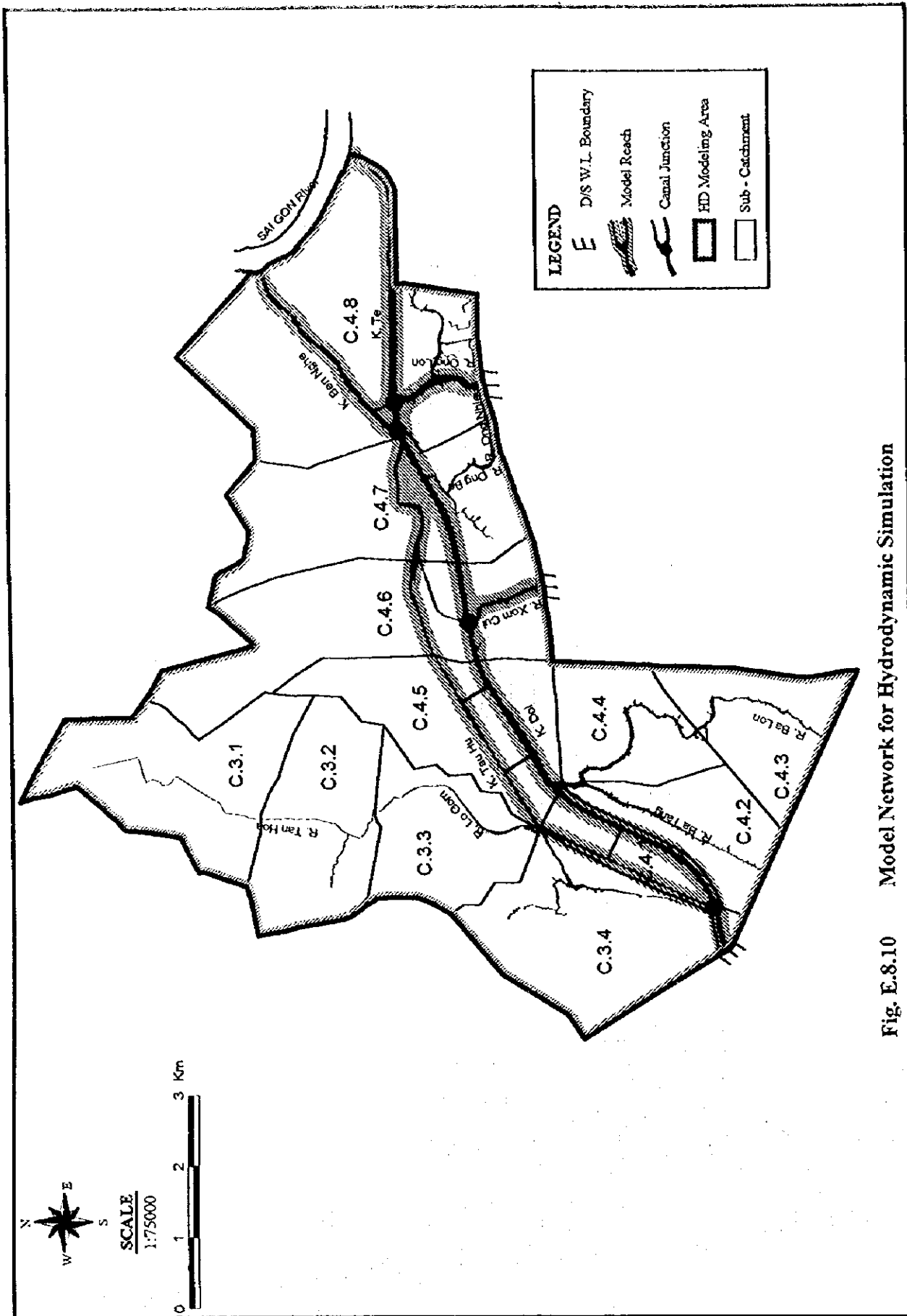
**TYPE-B (STONE MASONRY WITH 1:0.5 SLOPE)**



**TYPE-C (RAINFORCED CONCRETE REVETMENT)**

Fig. E.8.9 Typical Design of Slope Protection And Revetment





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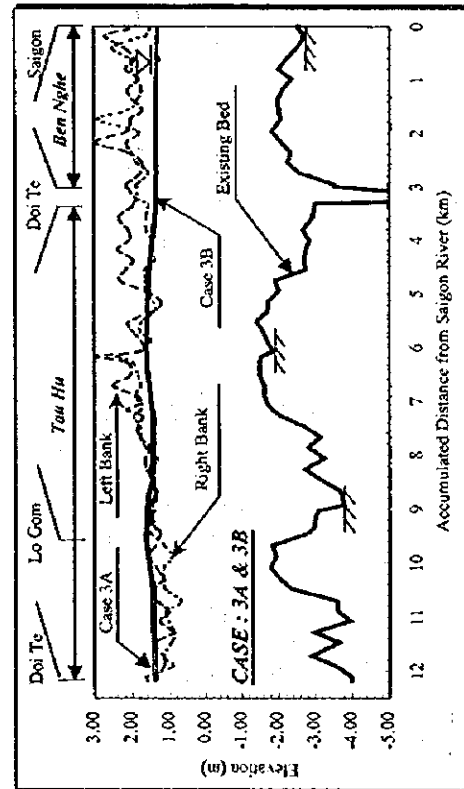
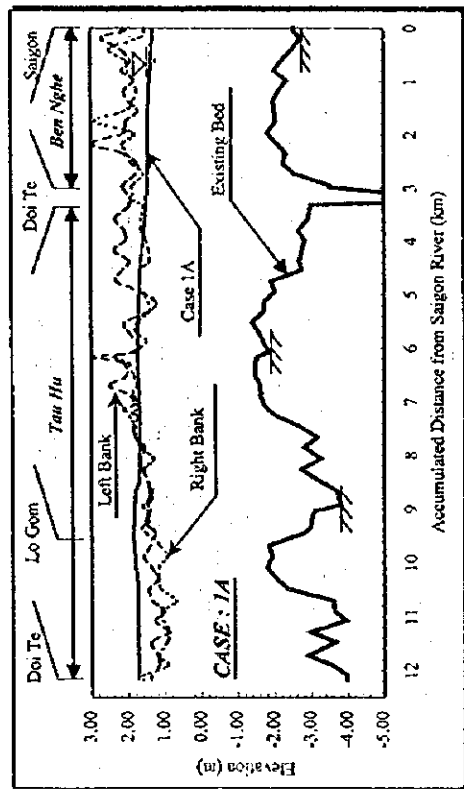
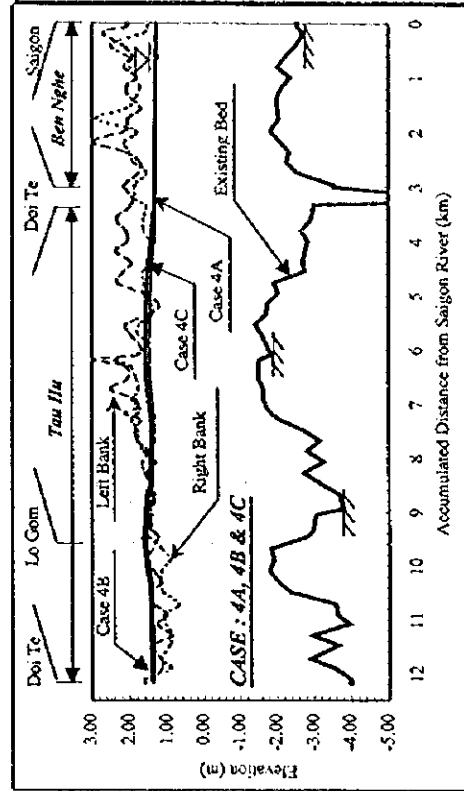
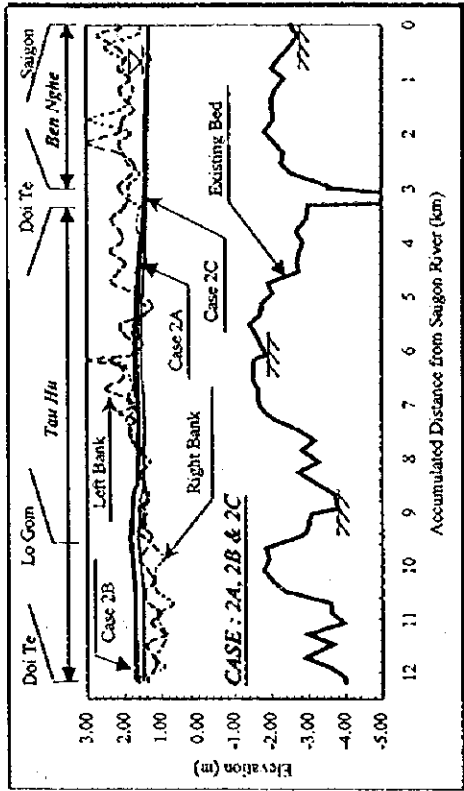
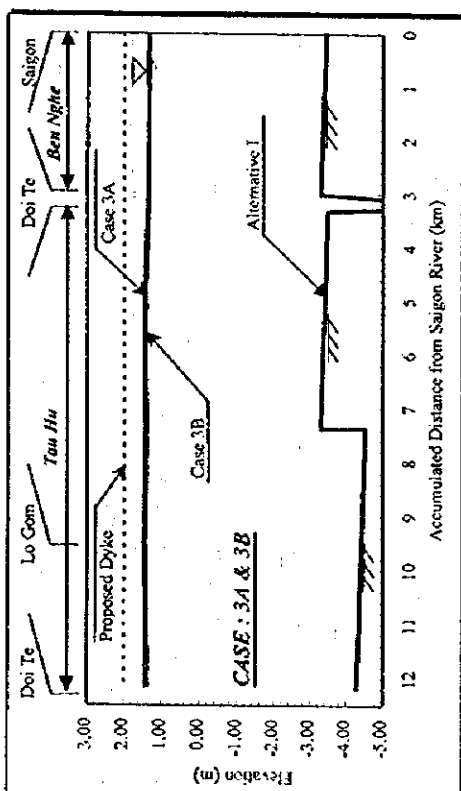
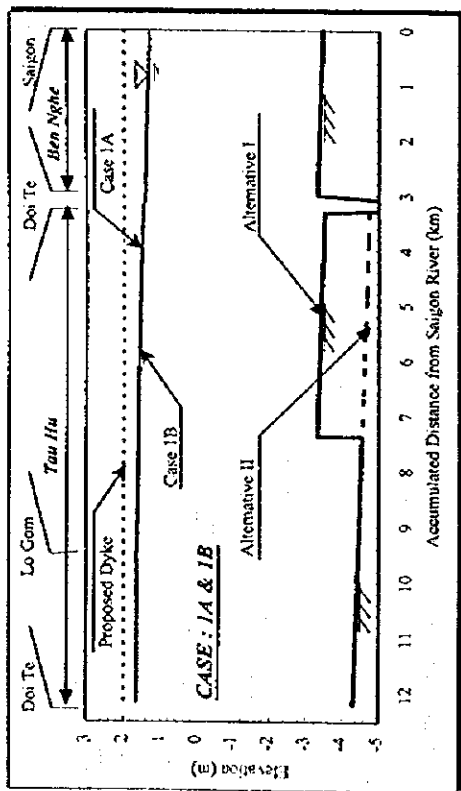
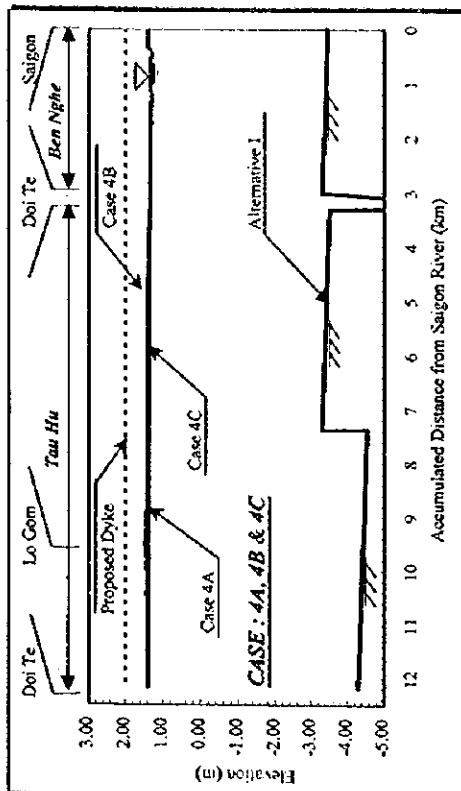
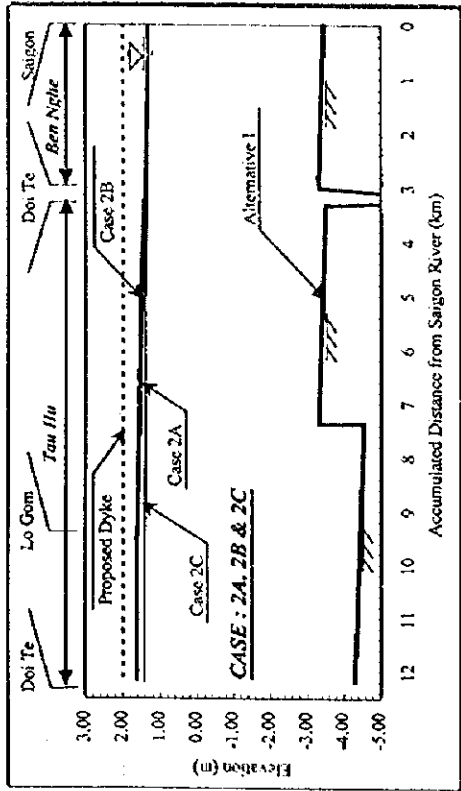
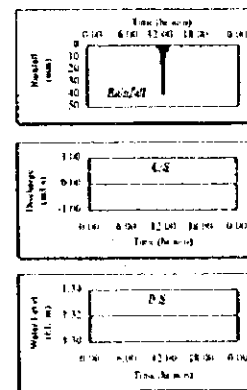
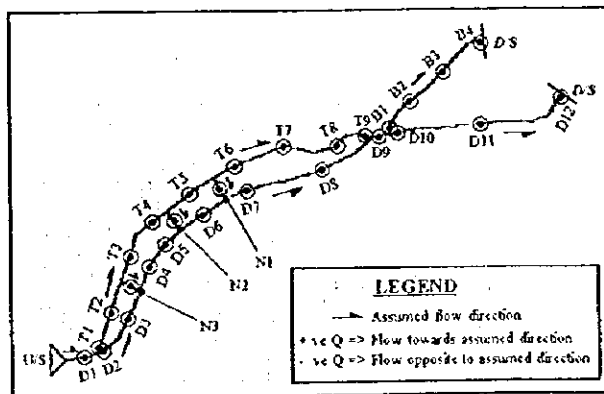
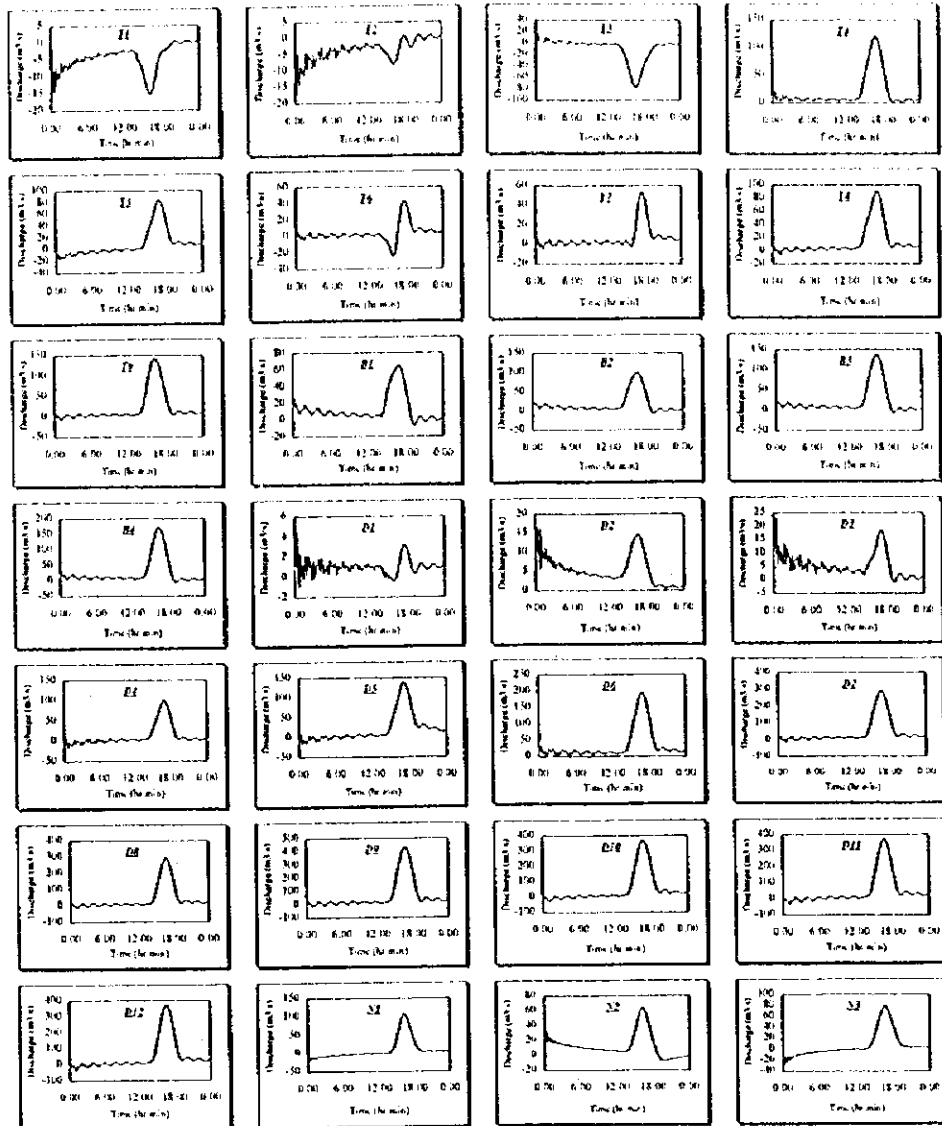


FIG. E.8.11 LONGITUDINAL PROFILES OF WATER LEVELS : EXISTING CONDITION



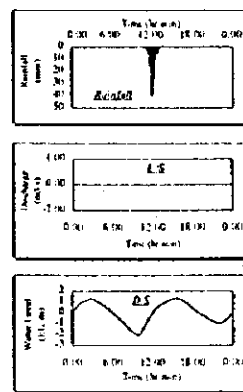
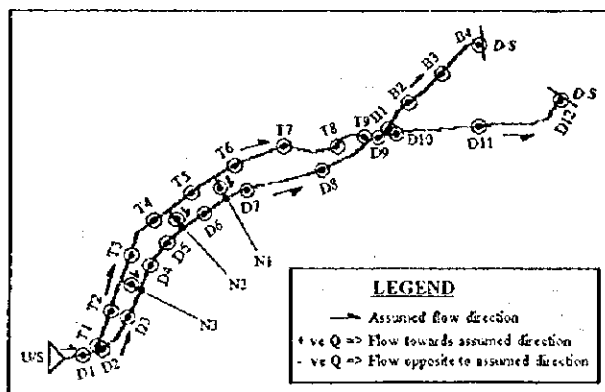
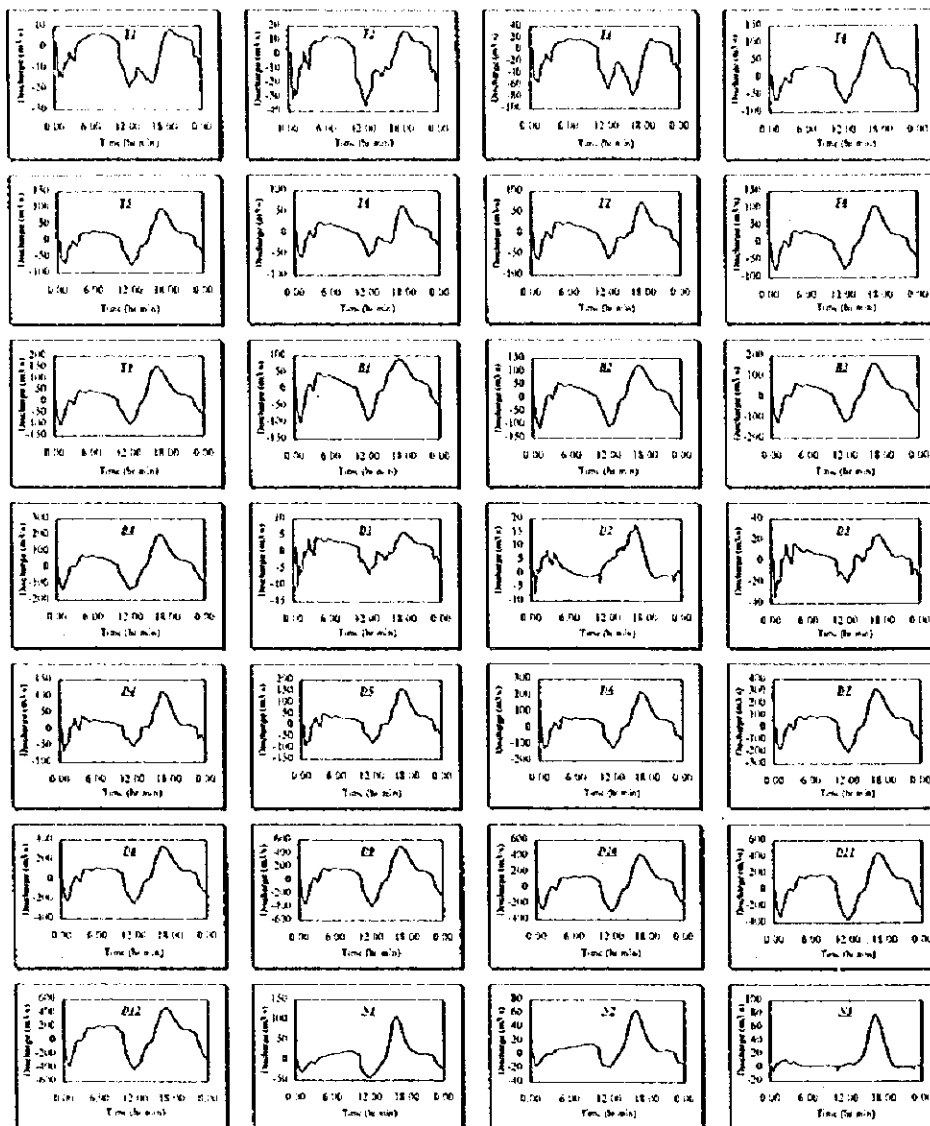
**FIG. E.8.12 LONGITUDINAL PROFILES OF WATER LEVELS : PROPOSED CONDITION**



**CASE 14:** Rainfall: 10-year with peak at 12th hour  
X-Section: Alternative I

U:S: Constant discharge of 0.0 m<sup>3</sup>/s  
D:S: Constant water level of EL. +1.32 m

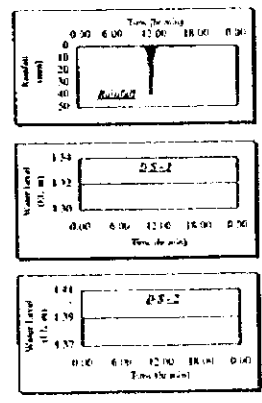
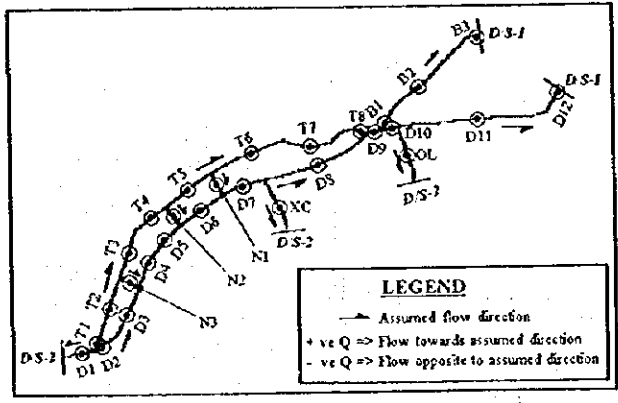
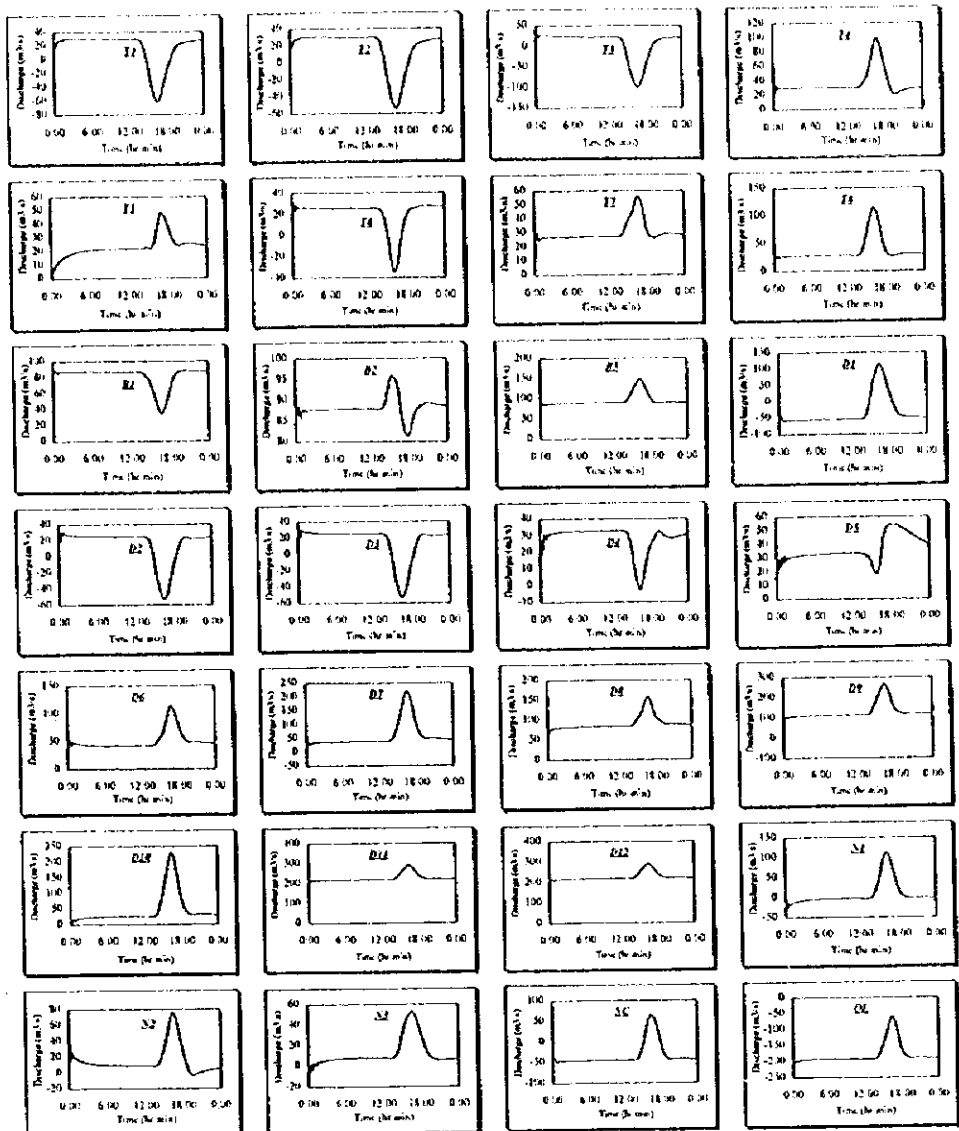
**FIG. E.8.13 (1/5) RESULT OF HD MODEL : PROPOSED CONDITION**



**CASE 2B:** Rainfall: 10-year with peak at 12th hour  
X-Section: Alternative I

U/S: Constant discharge of 0.0 m<sup>3</sup>/s  
D/S: Dynamic water level with amplitude of EL. +1.32 m

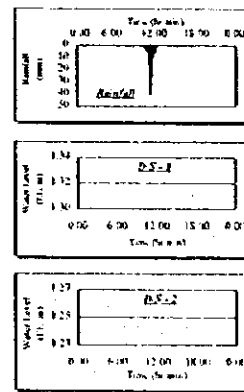
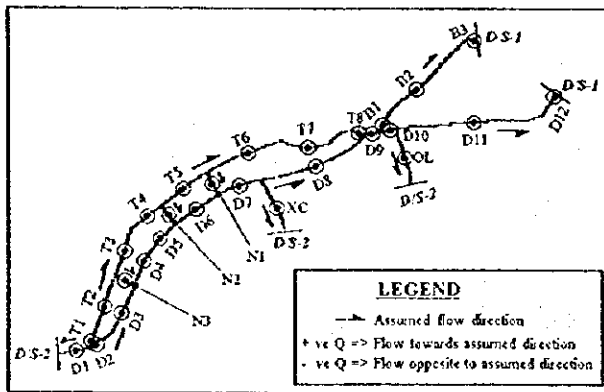
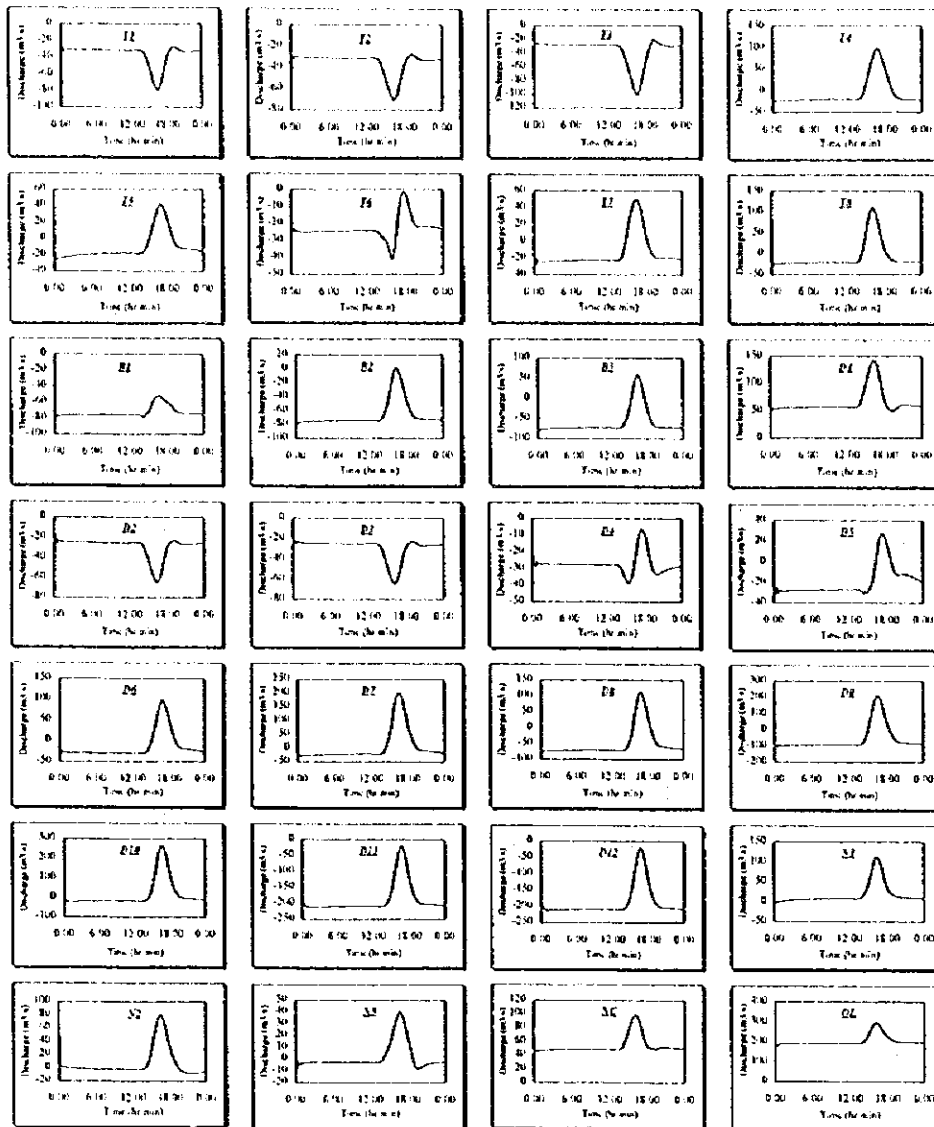
**FIG. E.8.13 (2/5) RESULT OF HD MODEL : PROPOSED CONDITION**



CASE 34: Rainfall: 10-year with peak at 12th hour  
X-Section: Alternative 1

D/S - 1: Constant water level of EL. +1.32 m  
D/S - 2: Constant water level of EL. +1.39 m

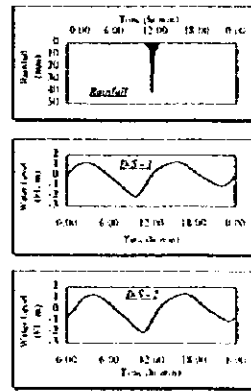
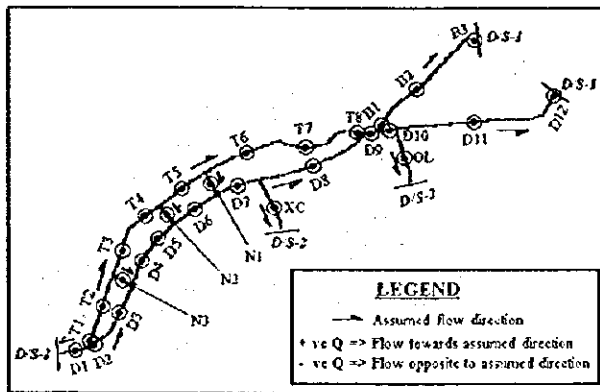
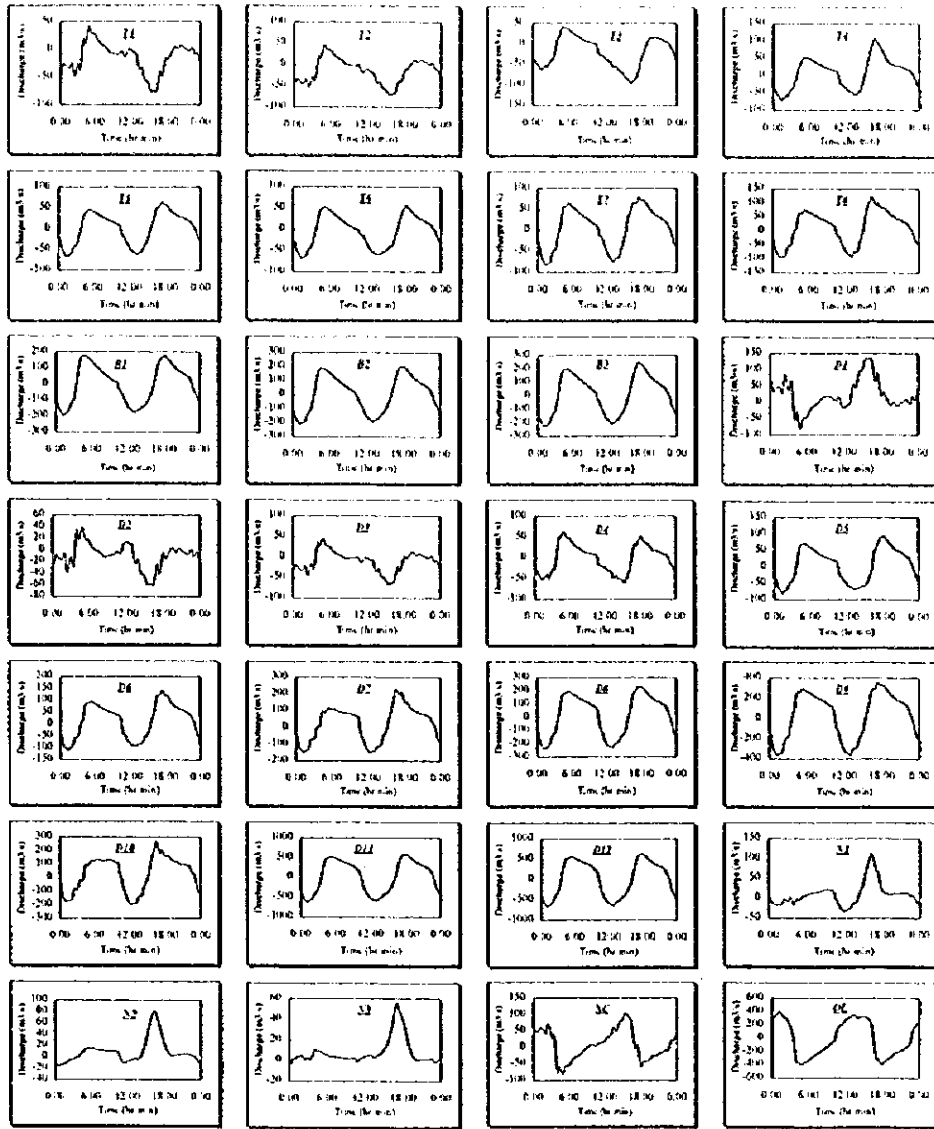
FIG. E.8.13 (3/5) RESULT OF HD MODEL: PROPOSED CONDITION



CASE 1B: Rainfall: 10-year with peak at 12th hour  
X-Section: Alternative 1

D/S - 1: Constant water level of EL. +1.32 m  
D/S - 2: Constant water level of EL. +1.25 m

FIG. E.8.13 (4/5) RESULT OF HD MODEL : PROPOSED CONDITION



CASE 4B: Rainfall: 10-year with peak at 12th hour  
X-Section: Alternative 1

D/S - 1: Dynamic water level with amplitude of EL. +1.32 m  
D/S - 2: Dynamic water level with amplitude of EL. +1.59 m

FIG. E.8.13 (5/5) RESULT OF HD MODEL : PROPOSED CONDITION



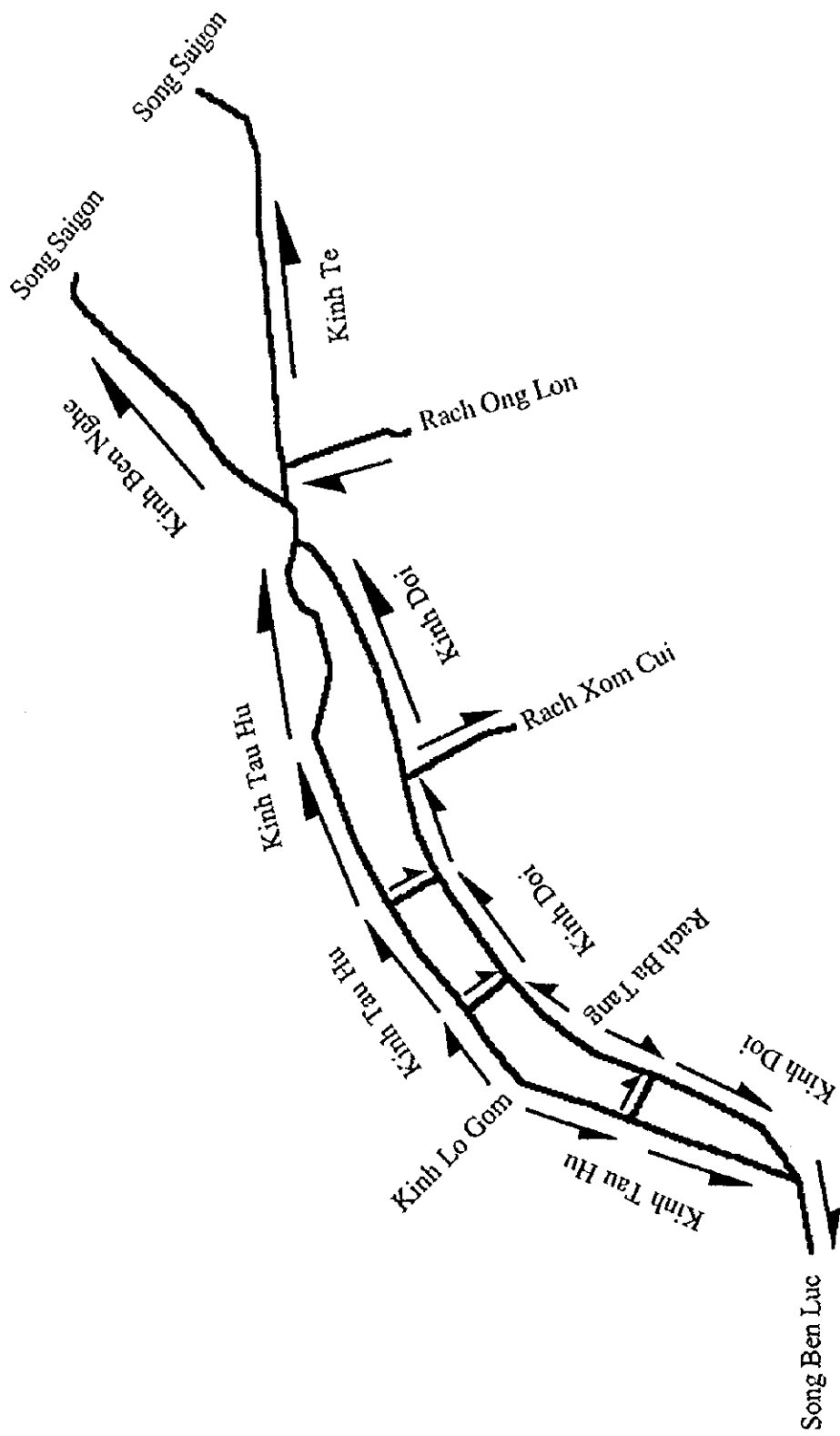


FIG. E.8 14 MOST PROBABLE FLOW DIRECTION UNDER JOINT PROBABILITY OF HIGH TIDE WITH HIGH RAINFALL INTENSITY

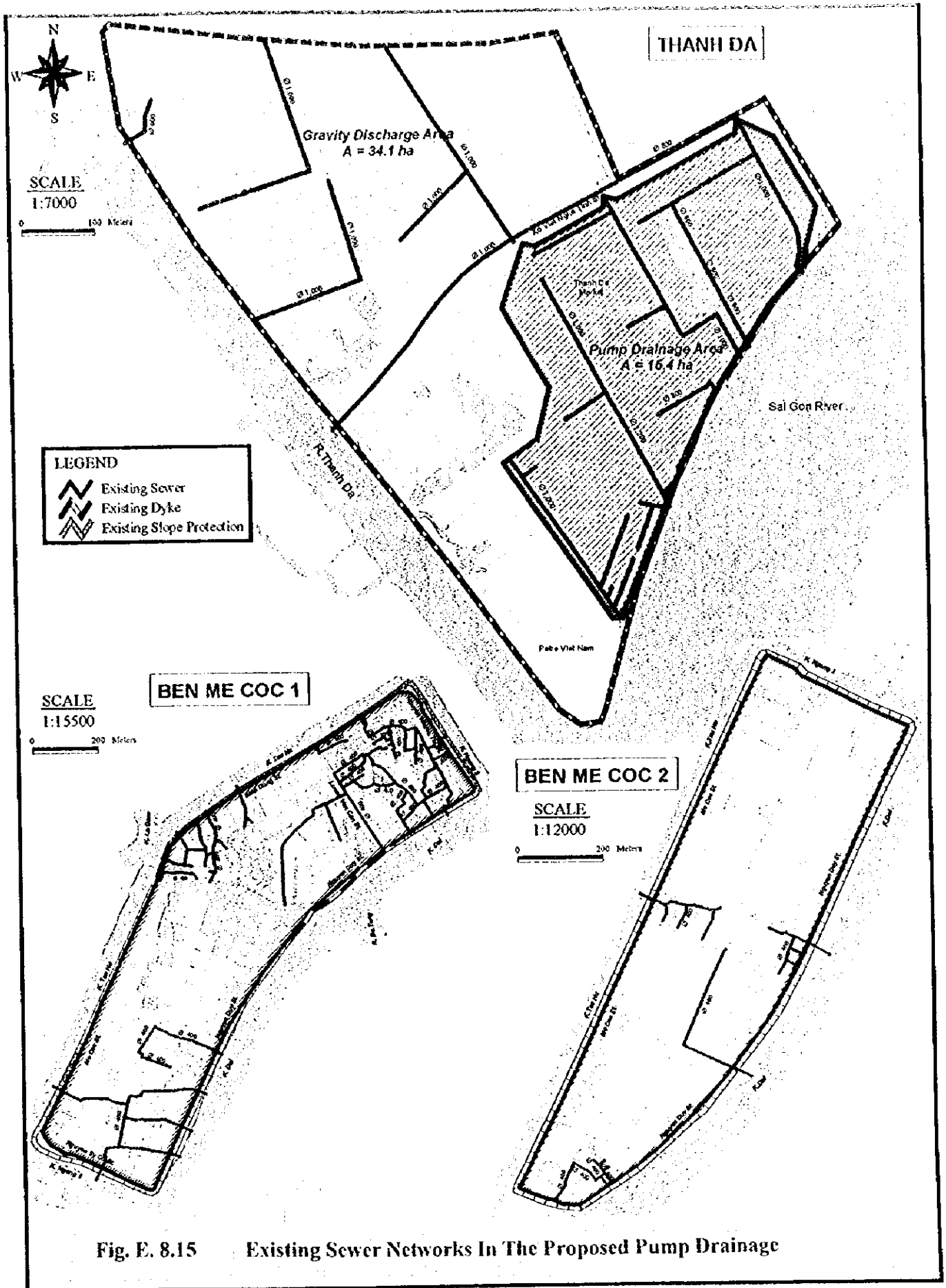


Fig. E. 8.15 Existing Sewer Networks In The Proposed Pump Drainage

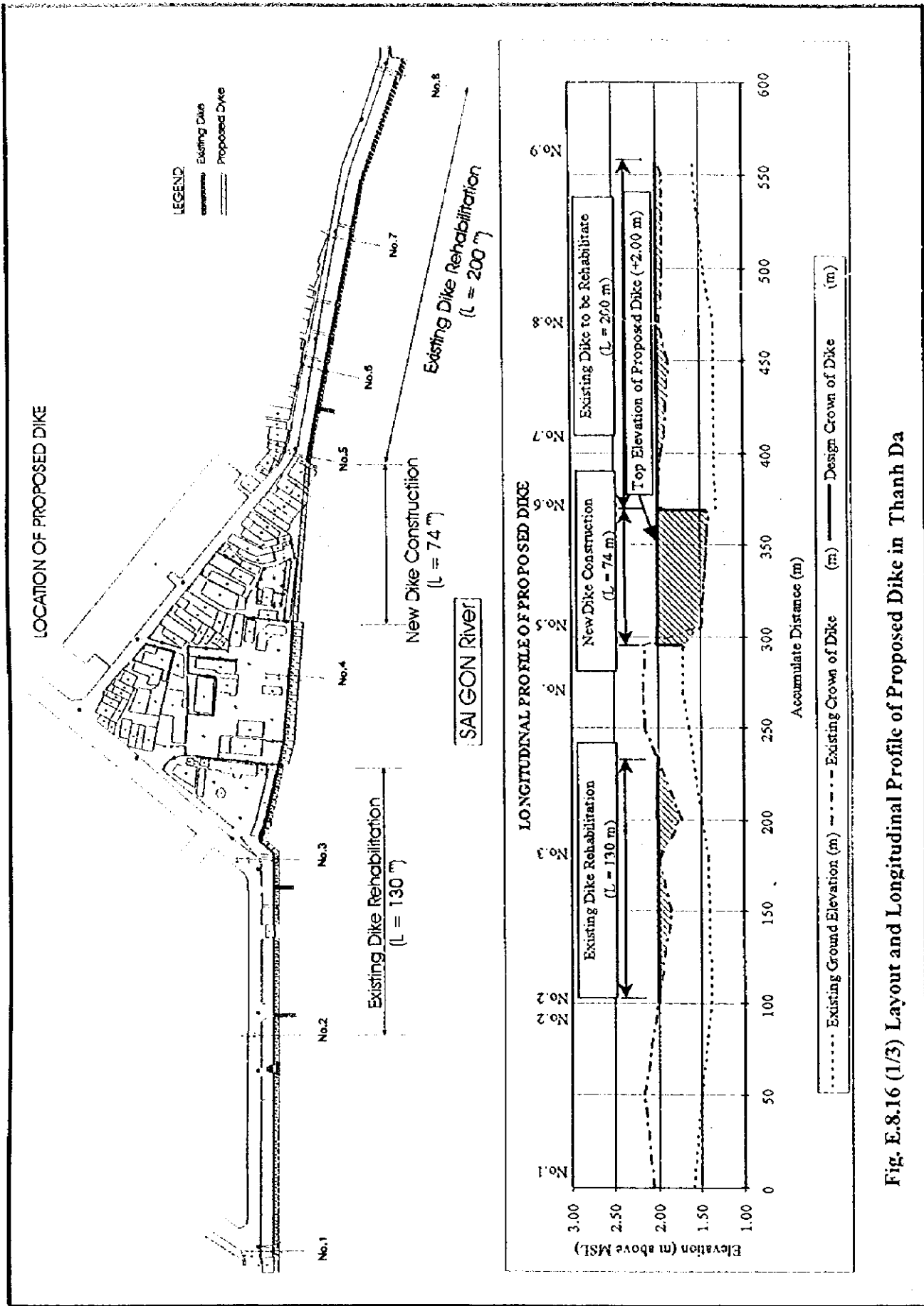


Fig. E.8.16 (1/3) Layout and Longitudinal Profile of Proposed Dike in Thanh Da

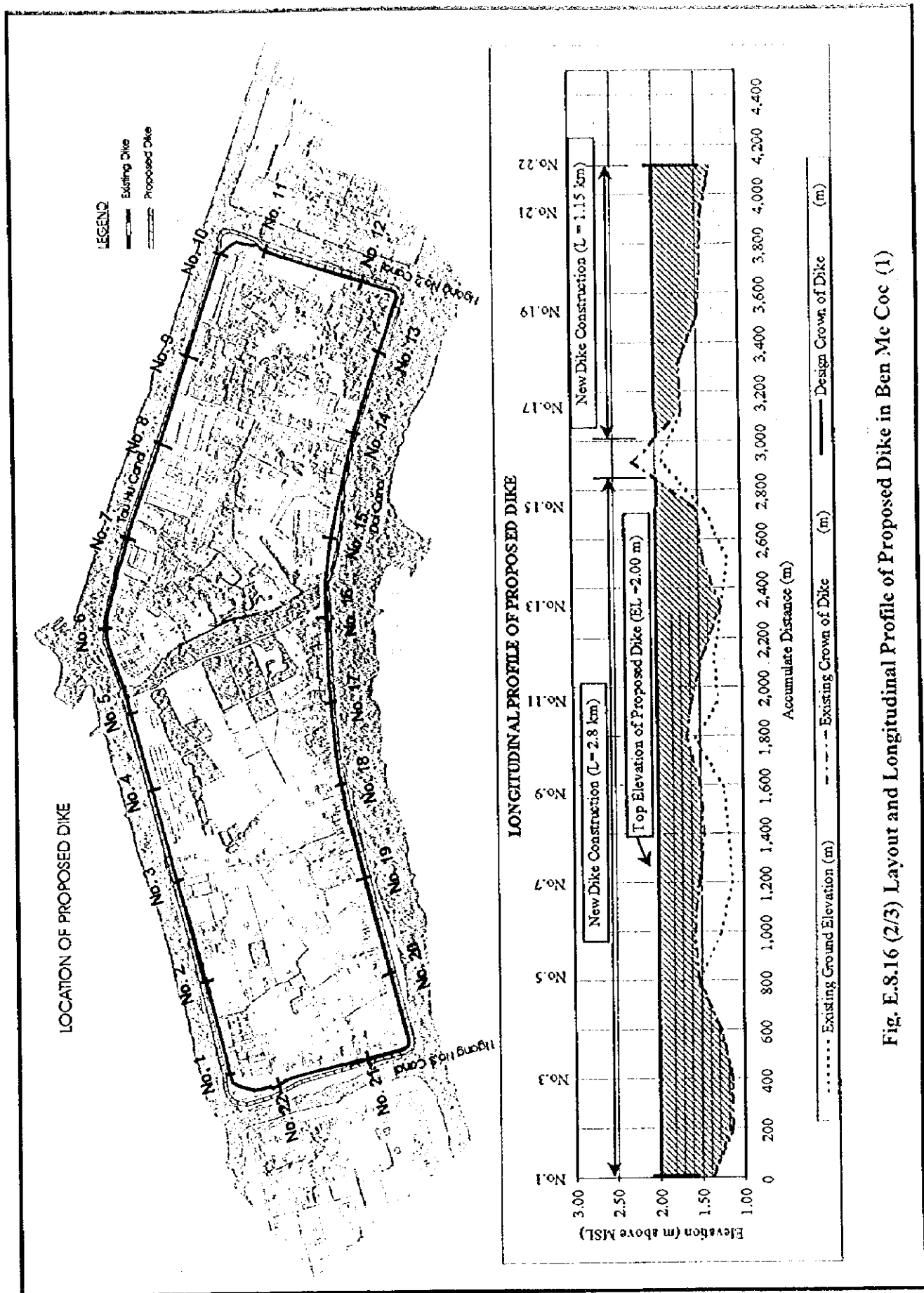


Fig. E.8.16 (2/3) Layout and Longitudinal Profile of Proposed Dike in Ben Me Coc (1)

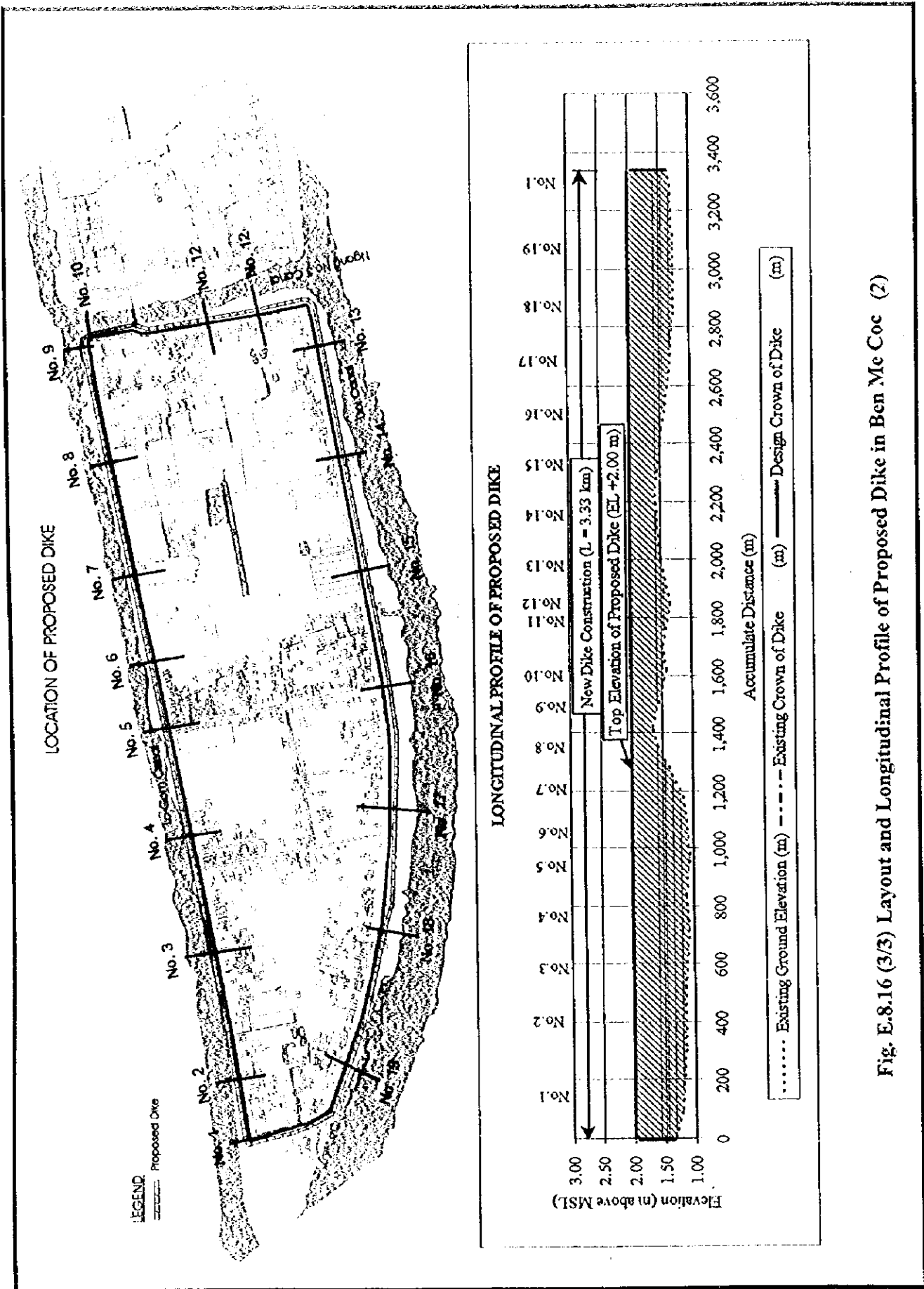
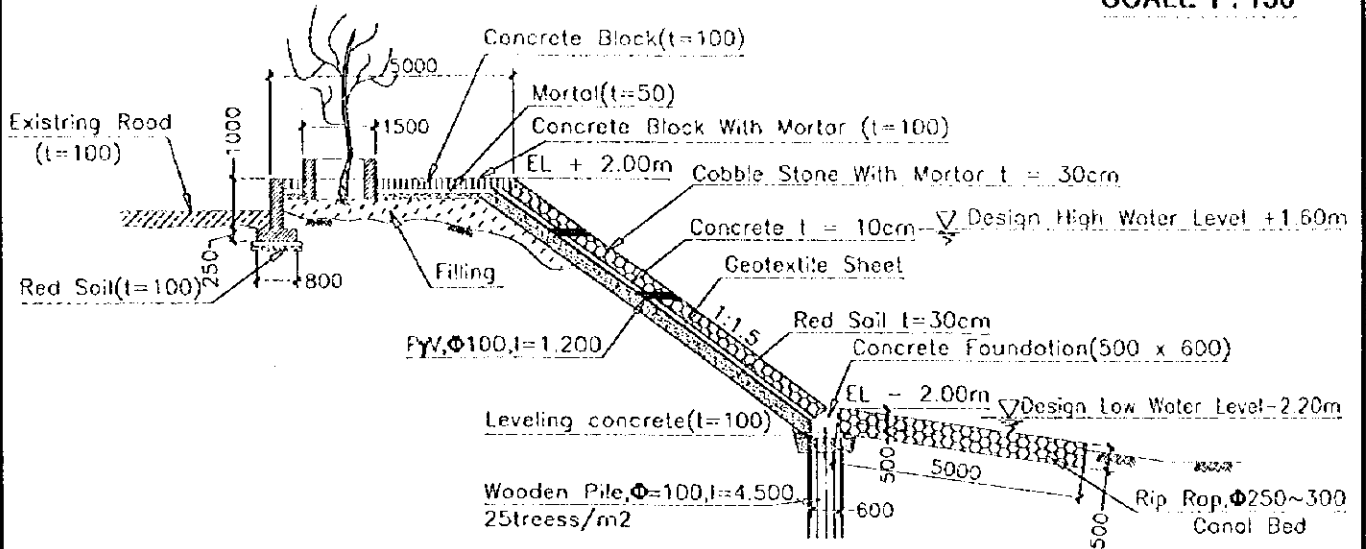
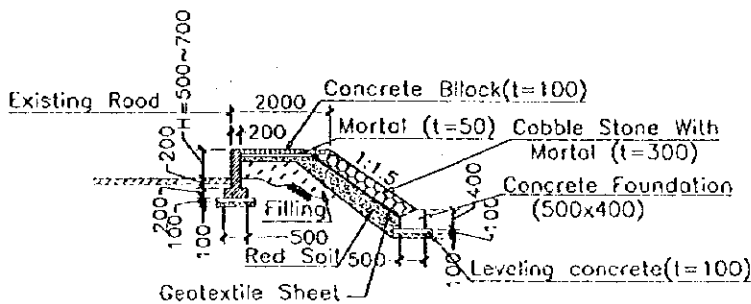


Fig. E.8.16 (3/3) Layout and Longitudinal Profile of Proposed Dike in Ben Me Coc (2)

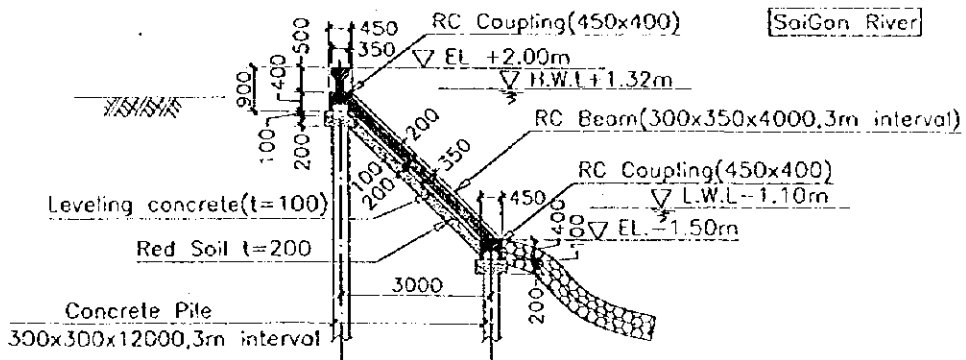
SCALE 1 : 150



**PROPOSED DIKE ALONG TAU HU, LO GOM AND NGANG NO.1&3 CANAL IN BEN ME COC (1) & (2)**

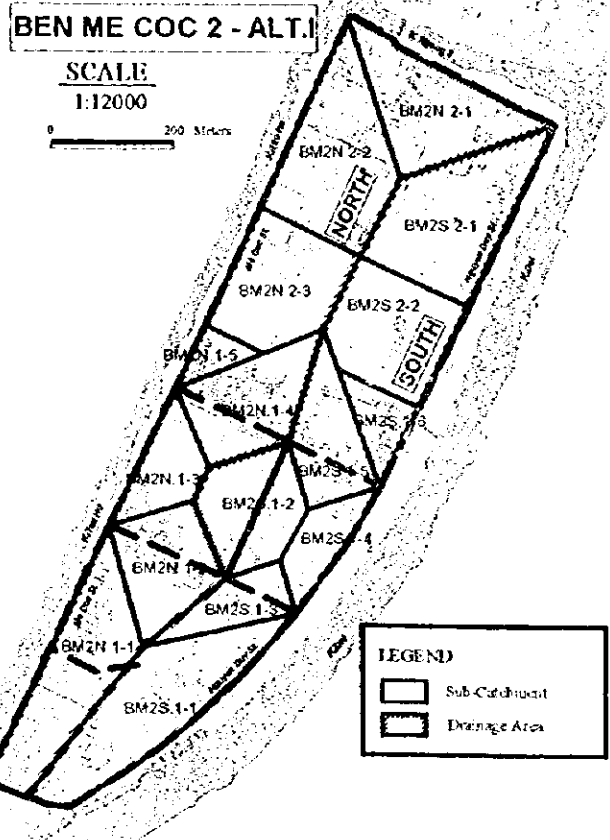
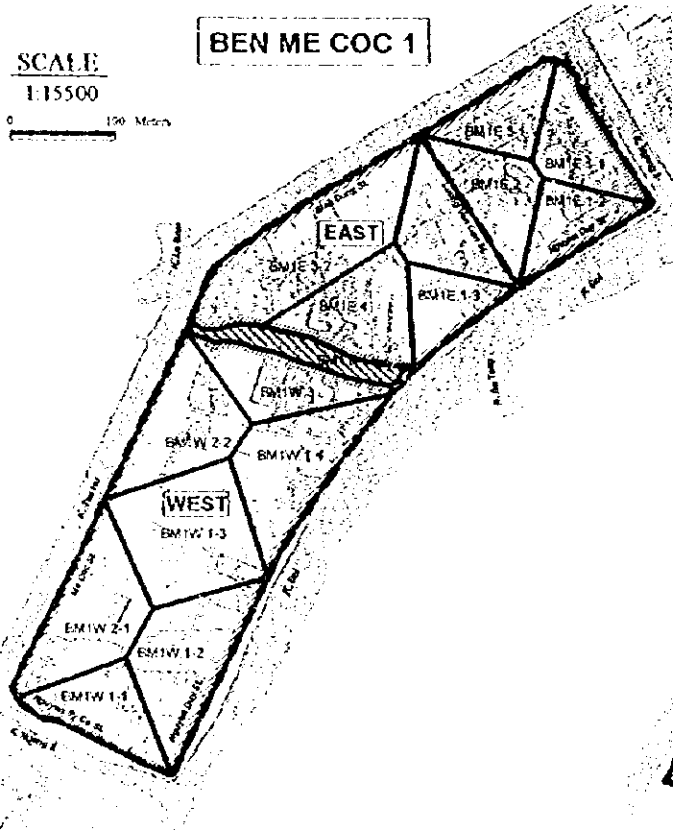
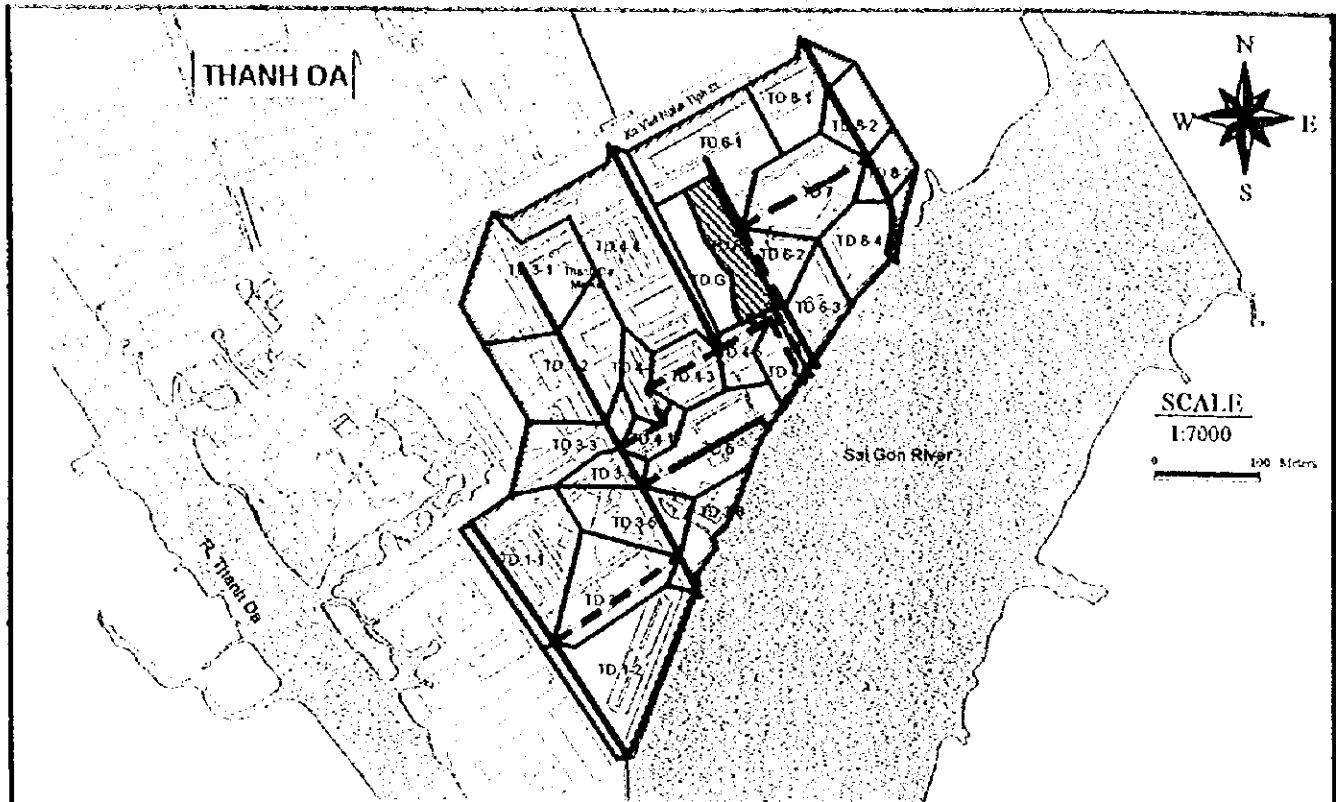


**PROPOSED DIKE ALONG DOI CANAL IN BEN ME COC (1) & (2)**



**PROPOSED DIKE OF THANH DA**

**Fig. E.8.17 Typical Design of Proposed Dike**



**LEGEND**  
 □ Sub-Catchment  
 ▭ Drainage Area

Fig. E.8.18 Sub-Catchments for Priority Project Areas

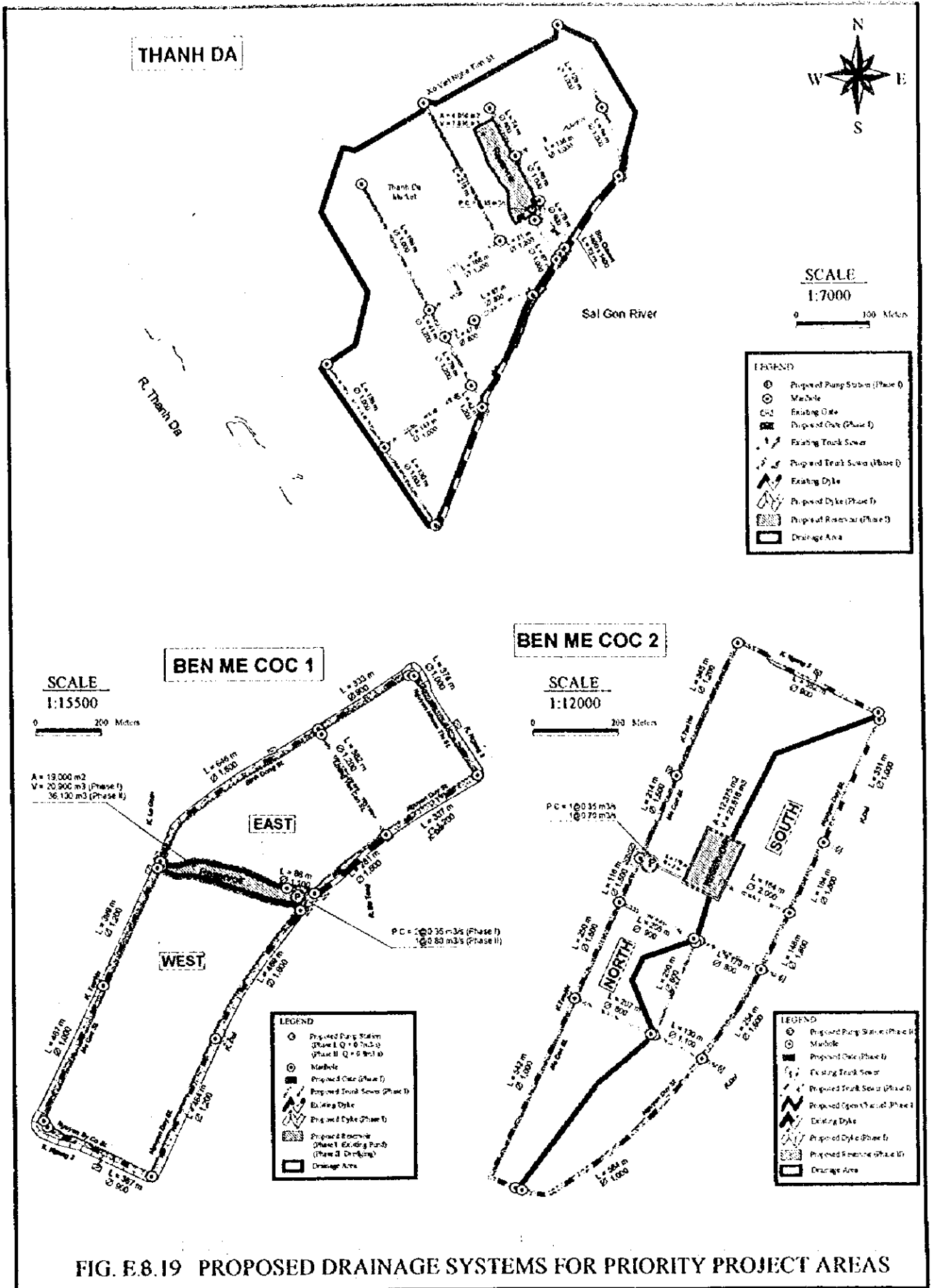


FIG. E.8.19 PROPOSED DRAINAGE SYSTEMS FOR PRIORITY PROJECT AREAS



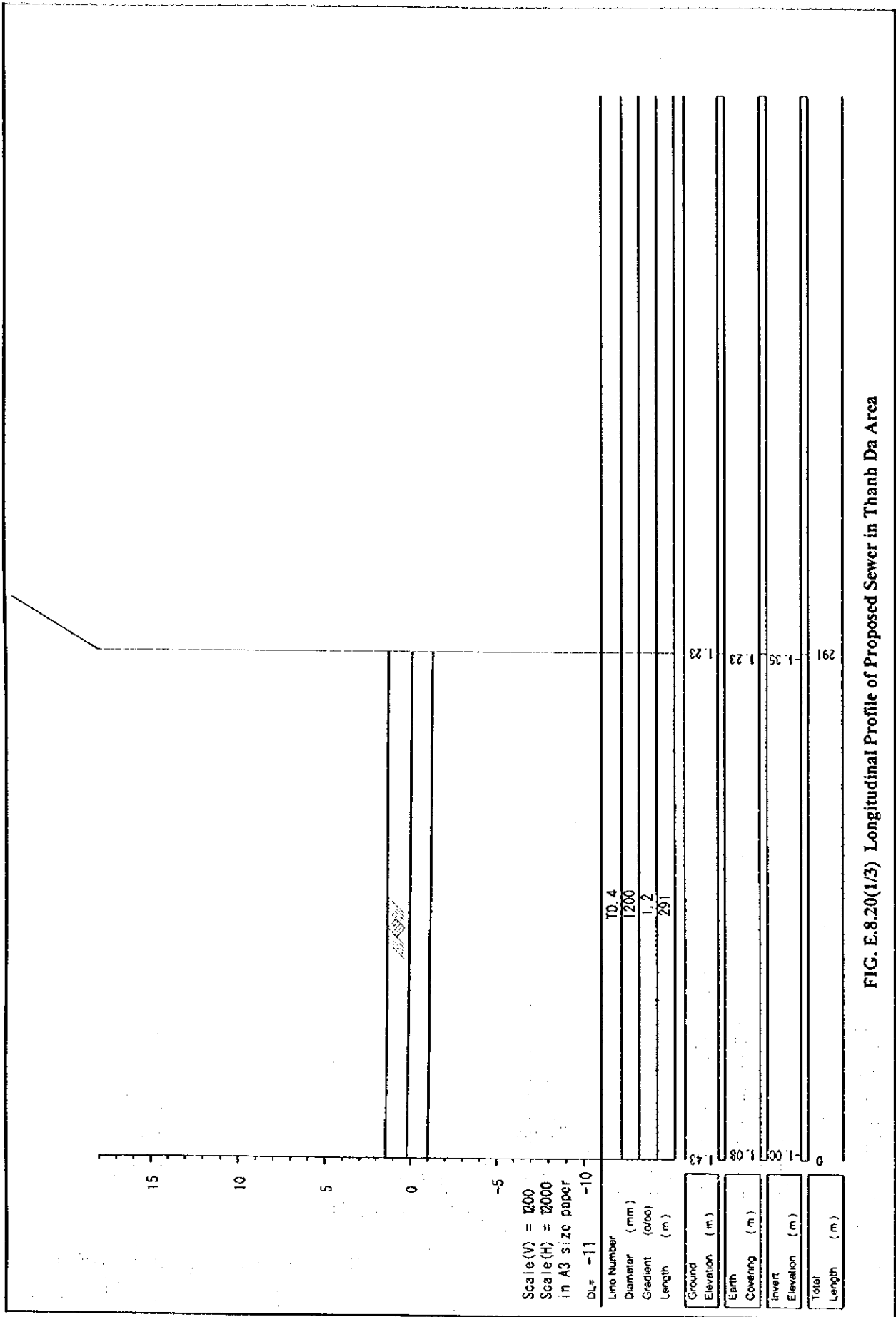


FIG. E.8.20(1/3) Longitudinal Profile of Proposed Sewer in Thanh Da Area

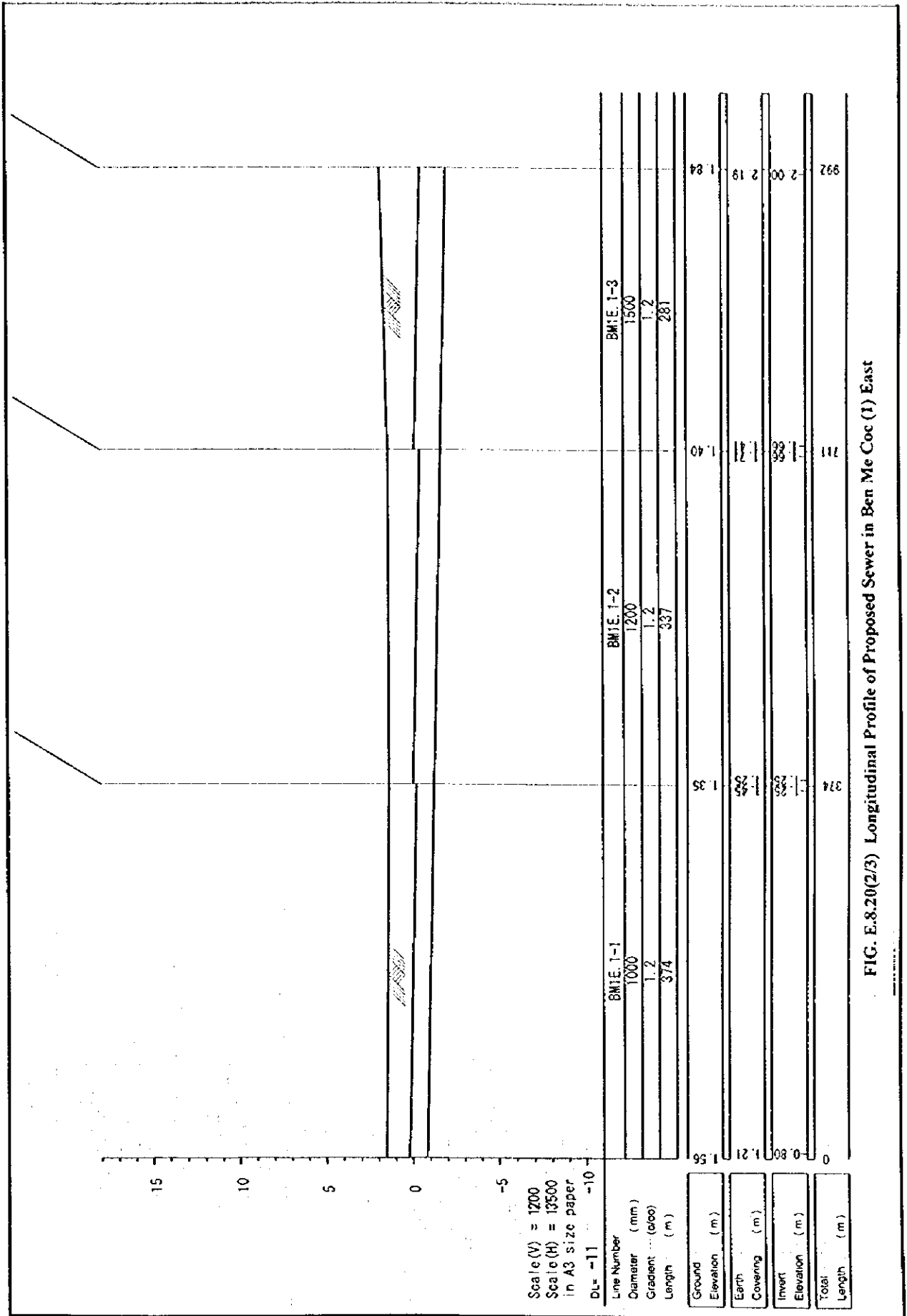


FIG. E.8.20(2/3) Longitudinal Profile of Proposed Sewer in Ben Me Coc (1) East

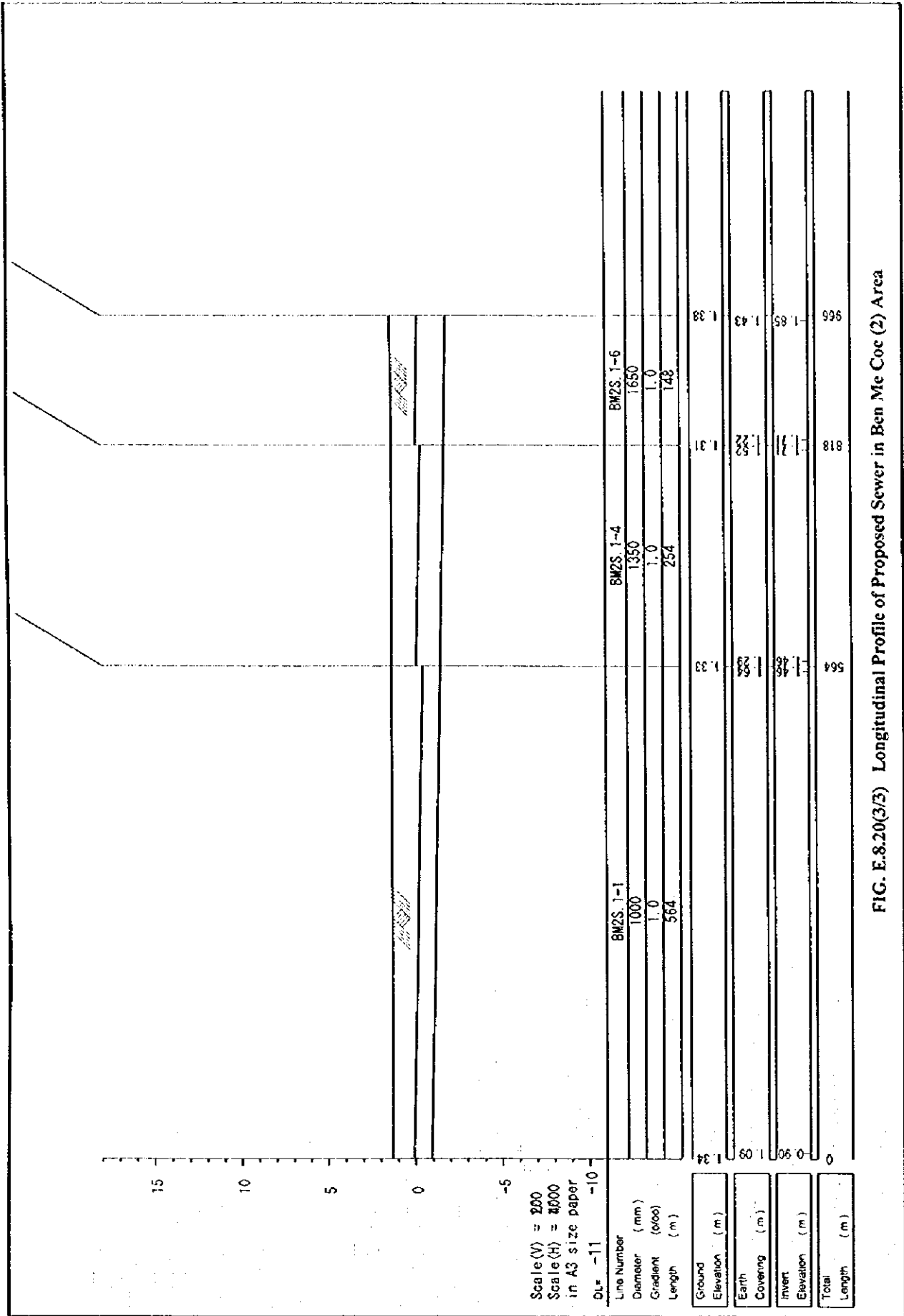


FIG. E.8.20(3/3) Longitudinal Profile of Proposed Sewer in Ben Me Coc (2) Area

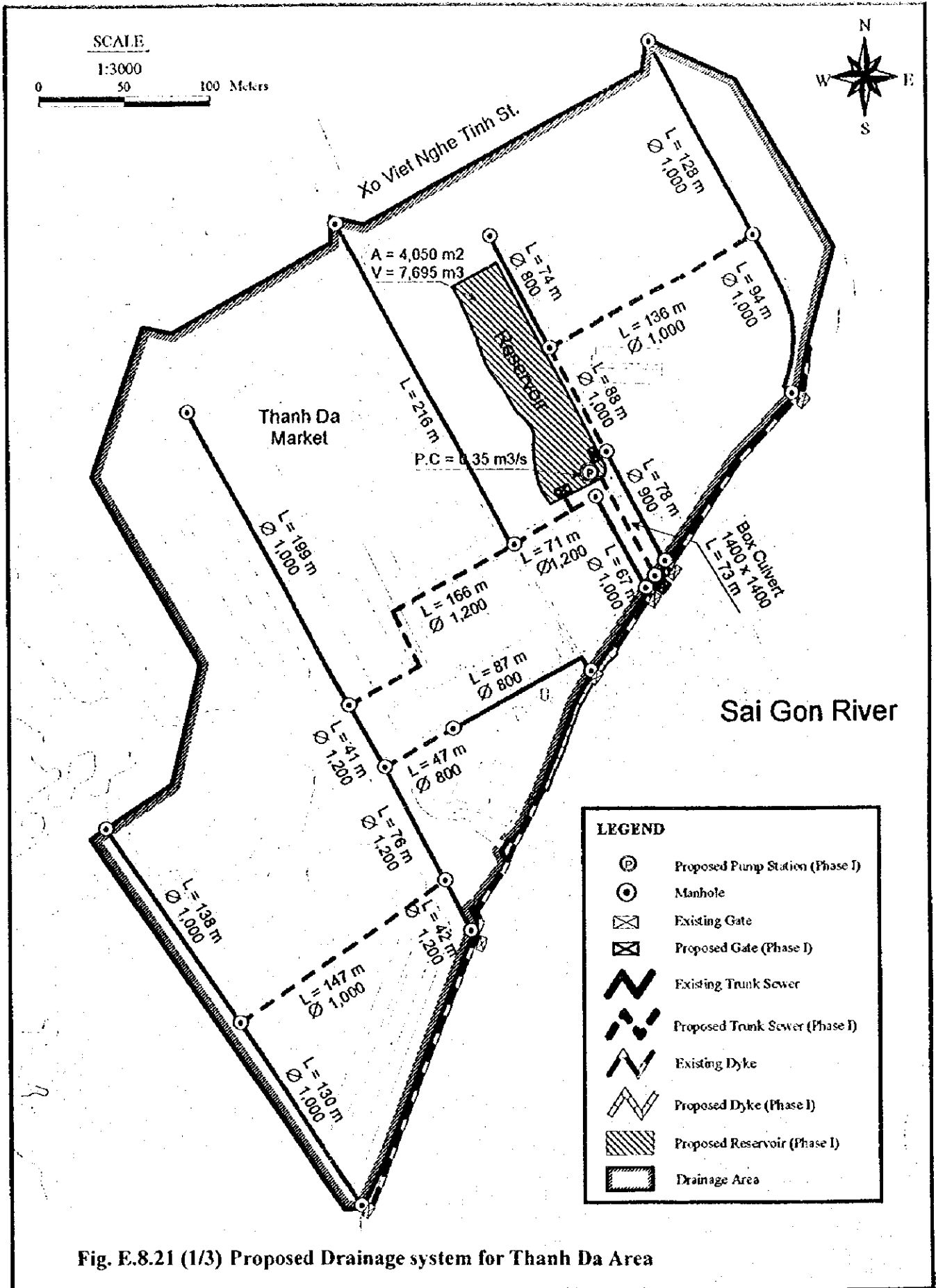
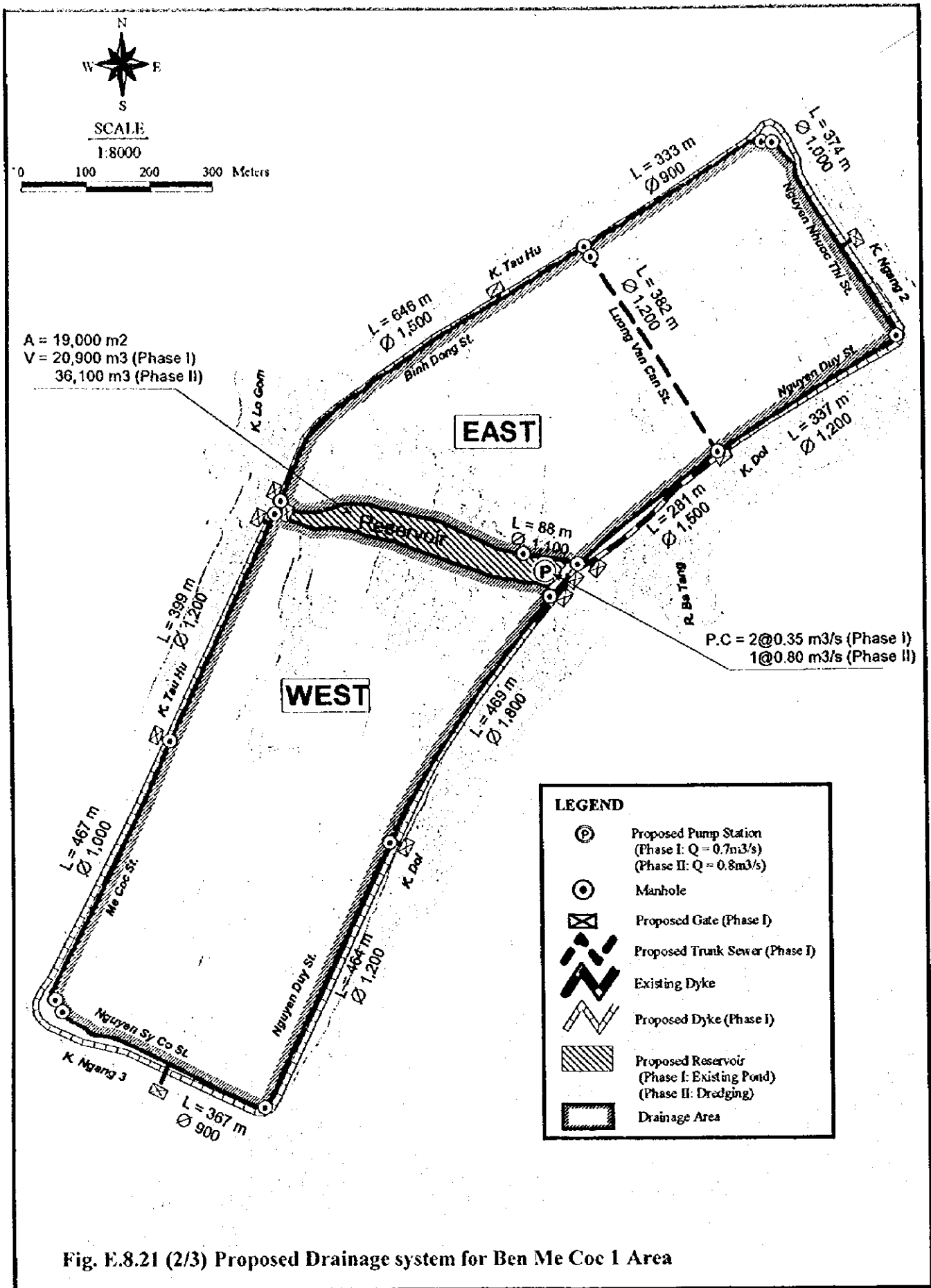
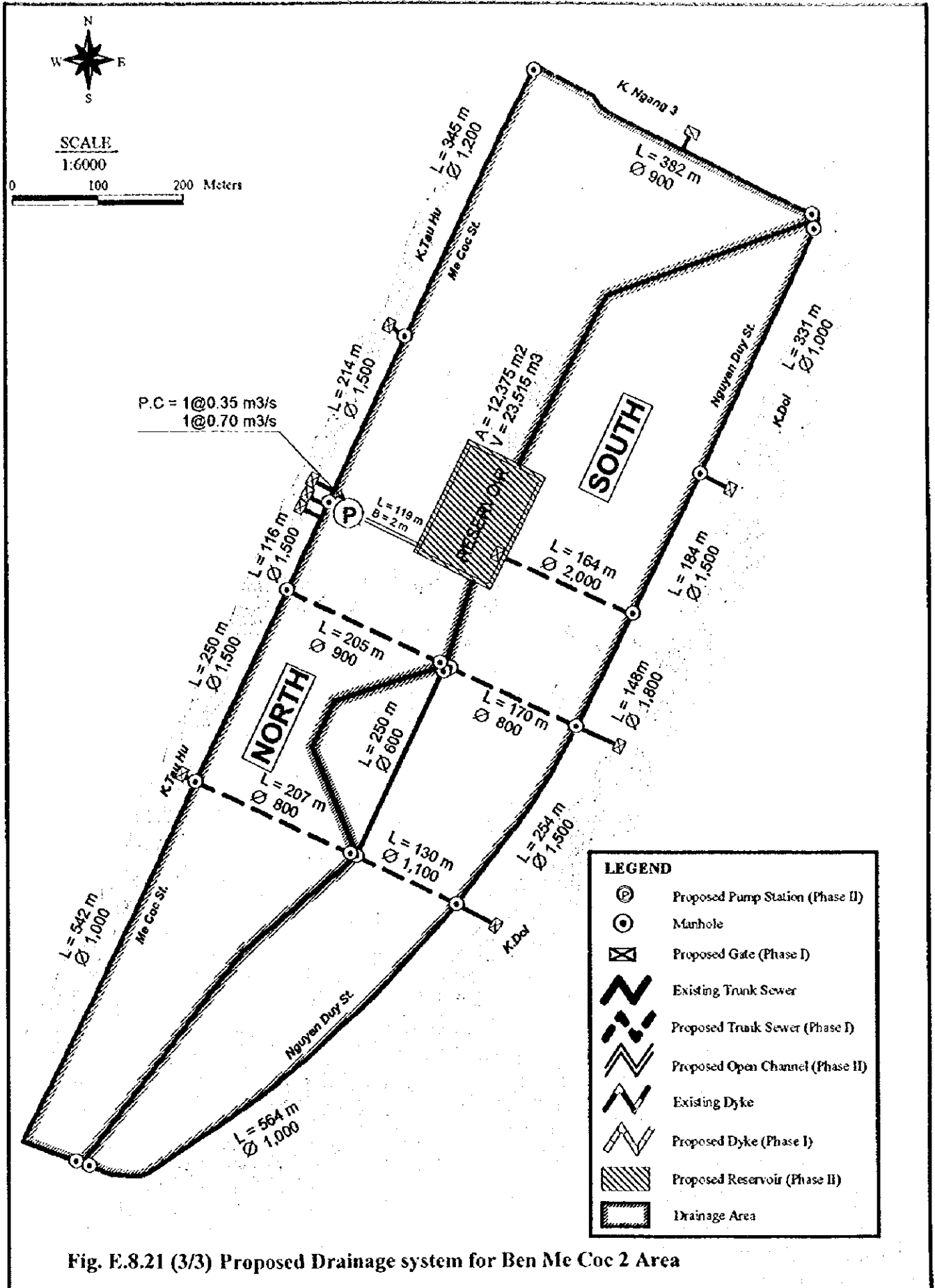


Fig. E.8.21 (1/3) Proposed Drainage system for Thanh Da Area





SCALE 1:600

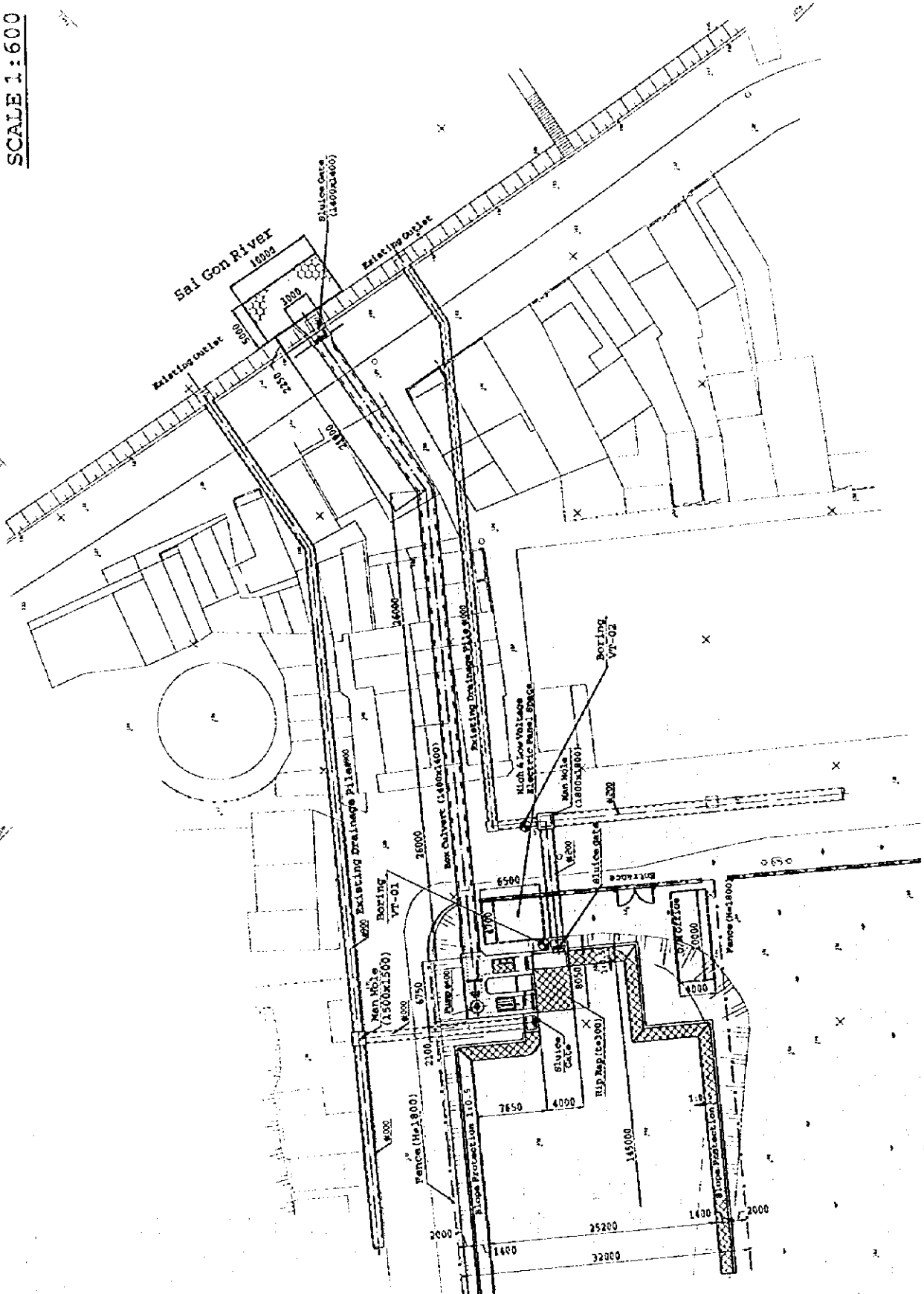


FIG. E.8.22(1/4) LAYOUT OF PROPOSED THANH DA PUMPING STATION

SCALE 1:350

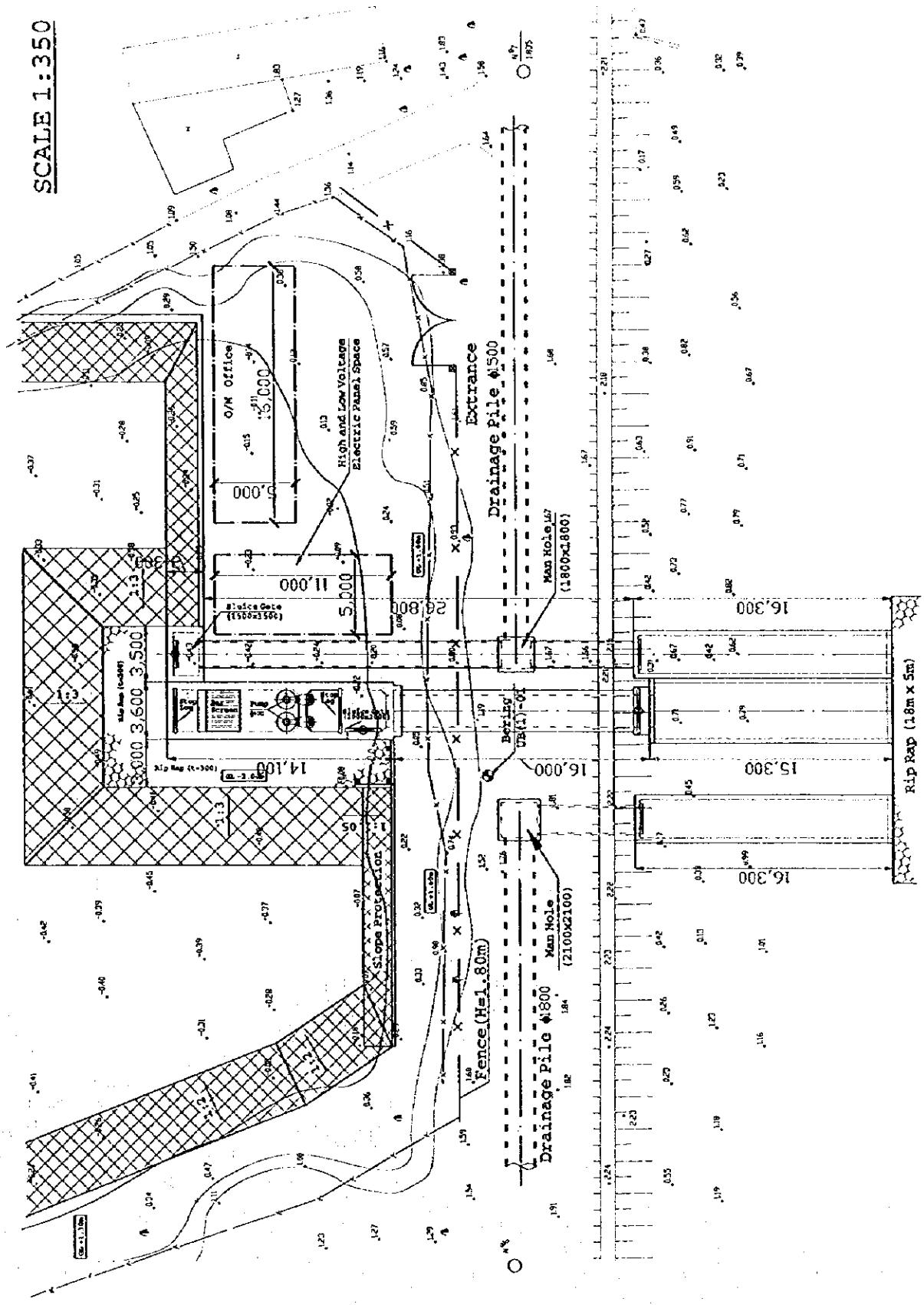


FIG. E.8.22(2/4) LAYOUT OF PROPOSED BEN ME COC (1) PUMPING STATION (phase-1)



SCALE 1:350

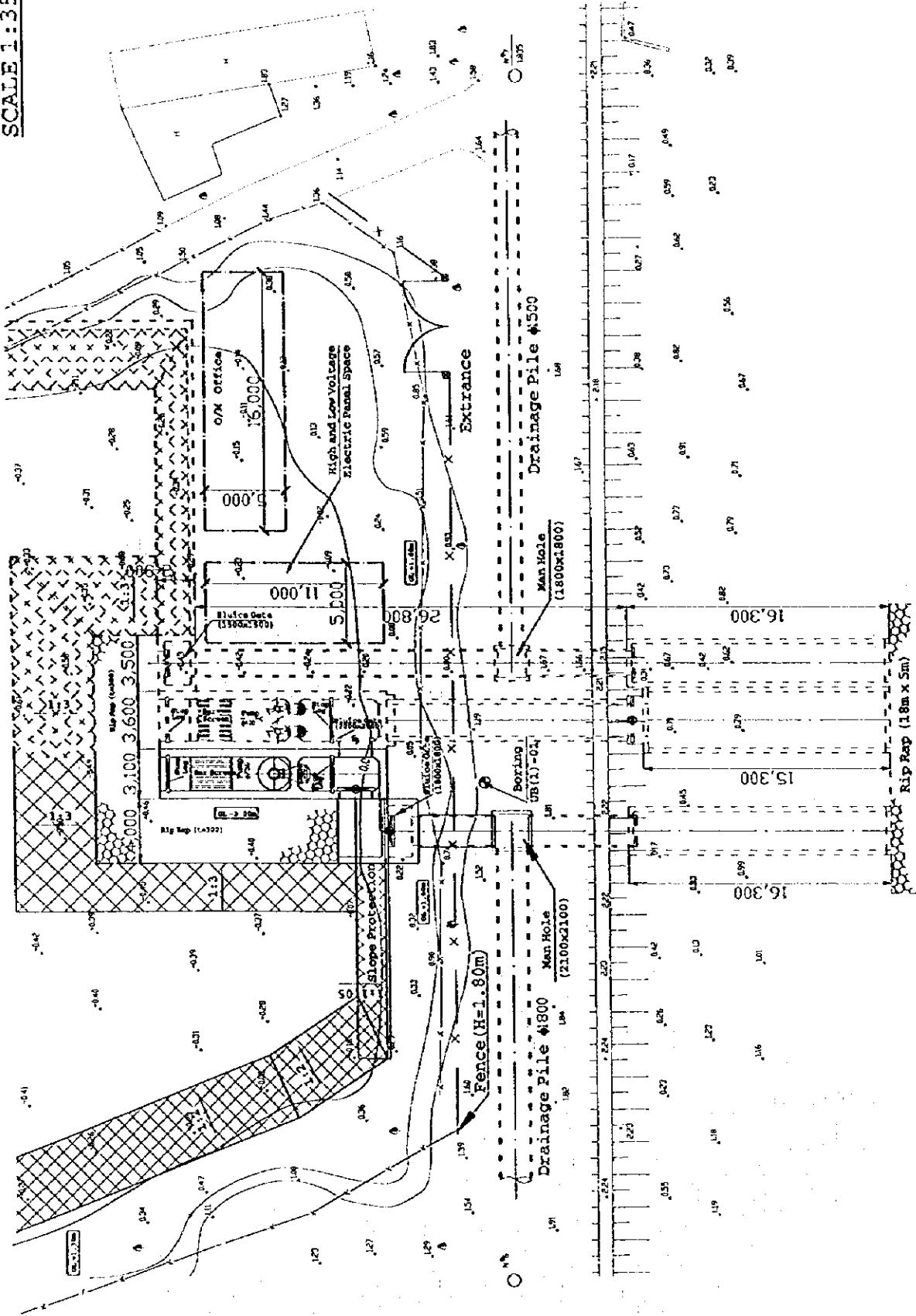


FIG. E.8.22(3/4) LAYOUT OF PROPOSED BEN ME COC (2) PUMPING STATION (phase-2)

Scale 1:300

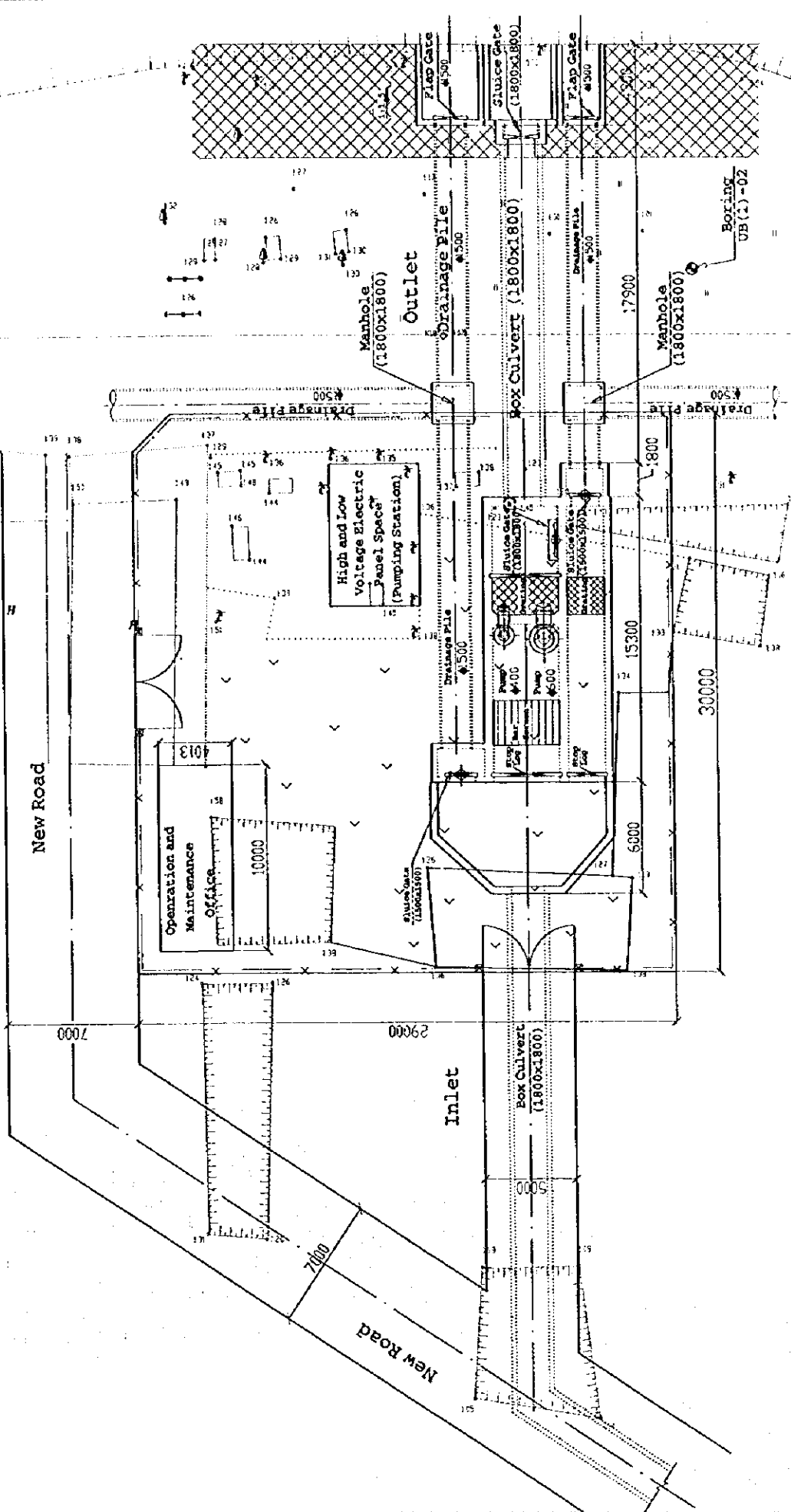
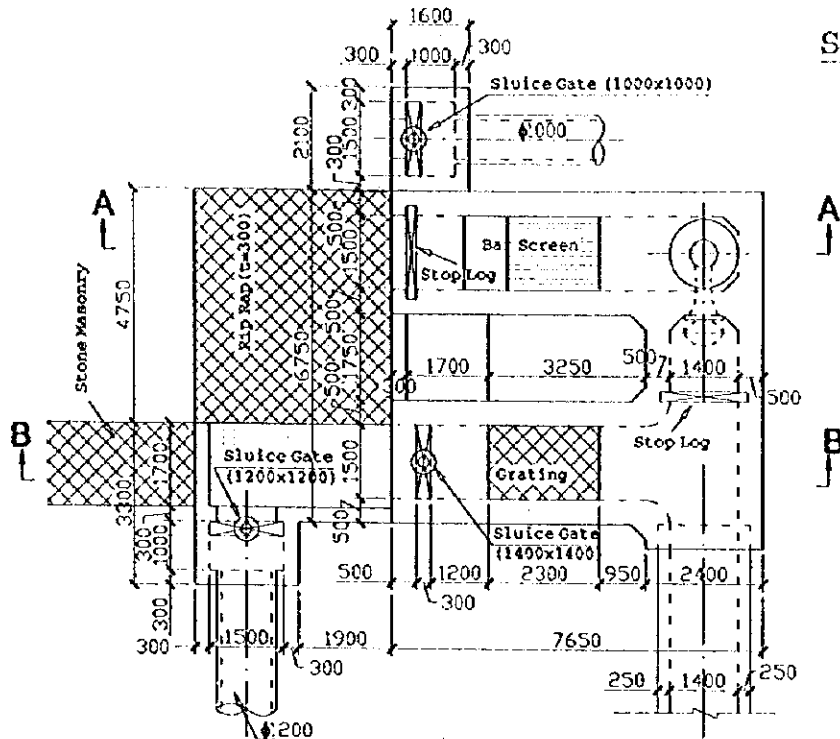
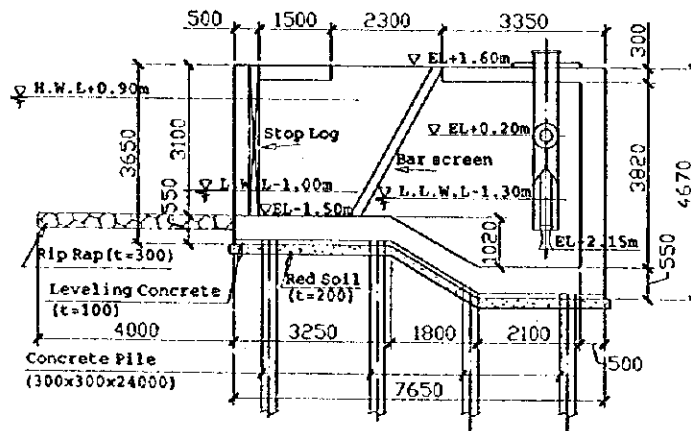


FIG. E.8.22(4/4) LAYOUT OF PROPOSED BEN ME COC (2) PUMPING STATION

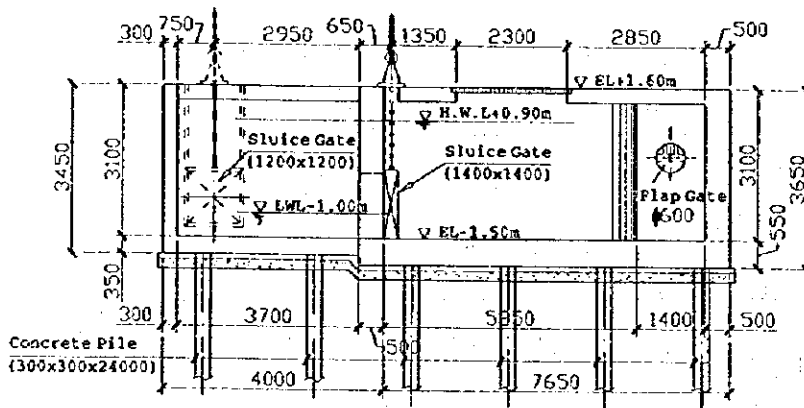
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PLAN



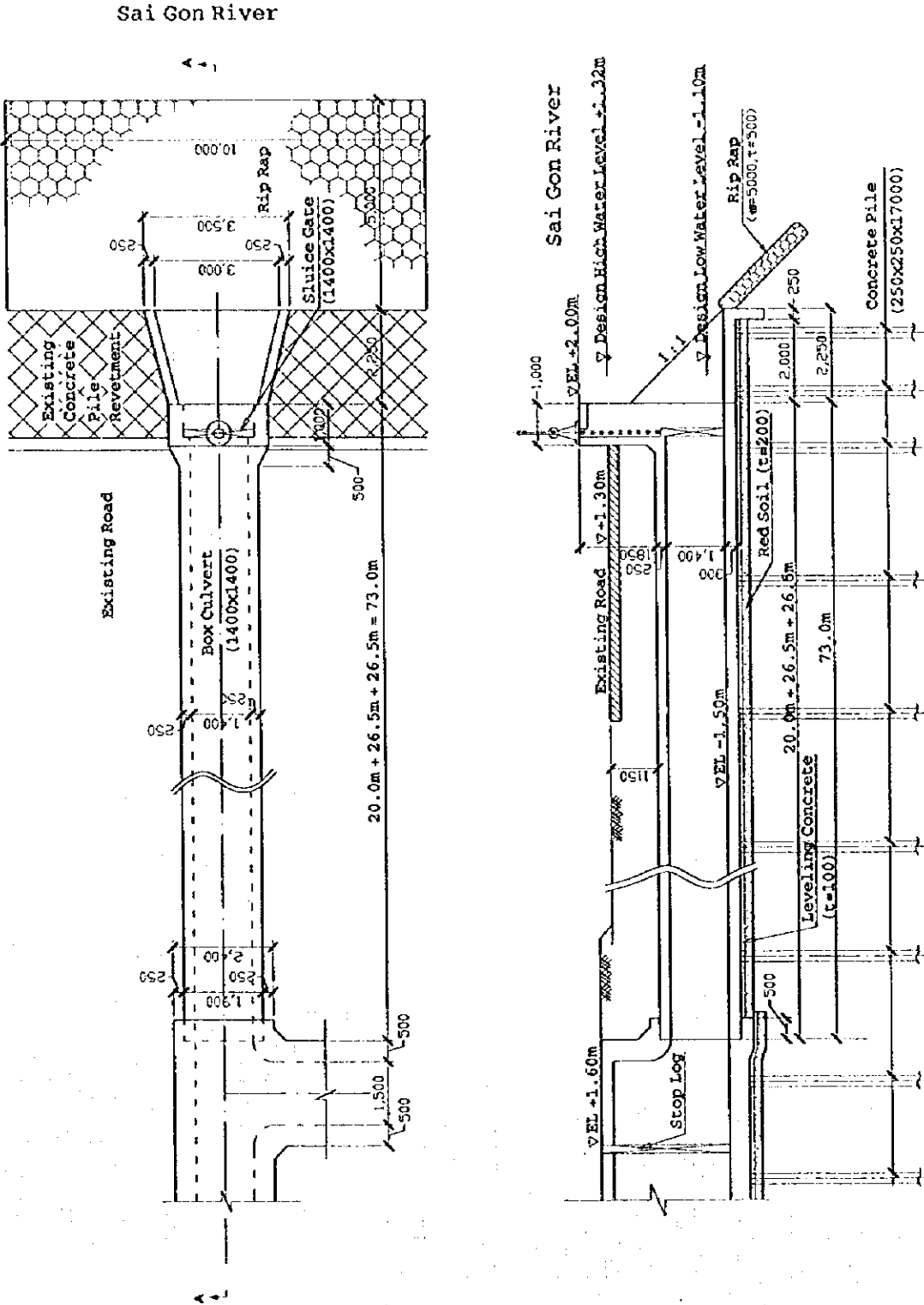
SECTION A - A



SECTION B - B

FIG. E.8.23(1/7) STRUCTURAL DESIGN OF PROPOSED THANH DA PUMPING STATION (1/2)

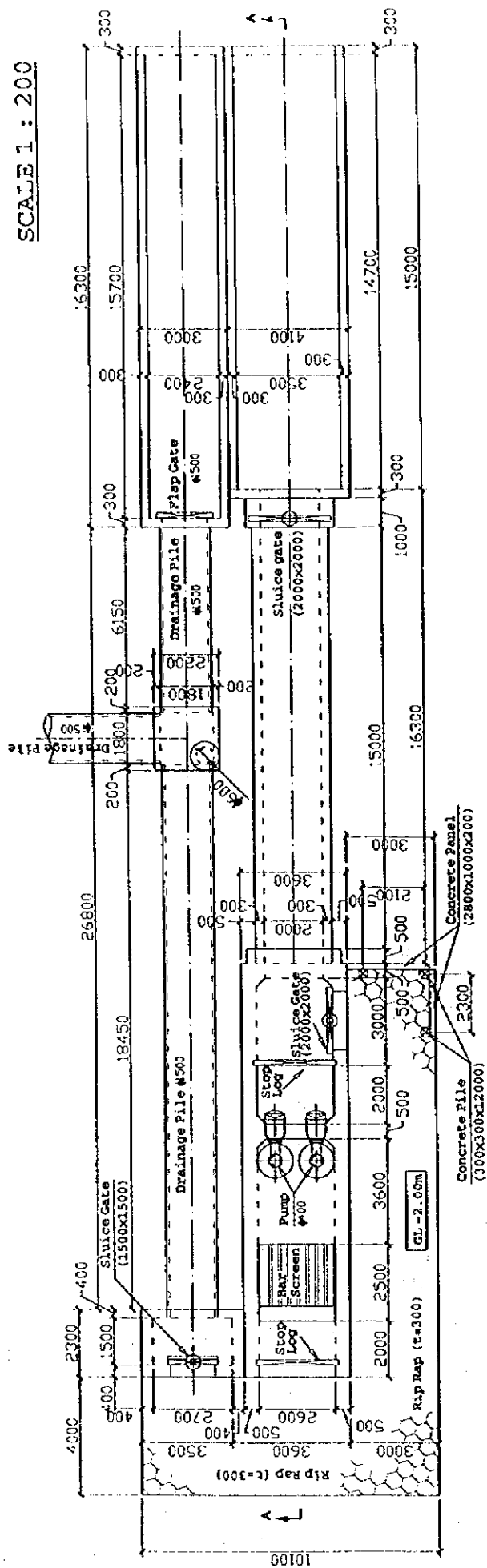
SCALE 1:150



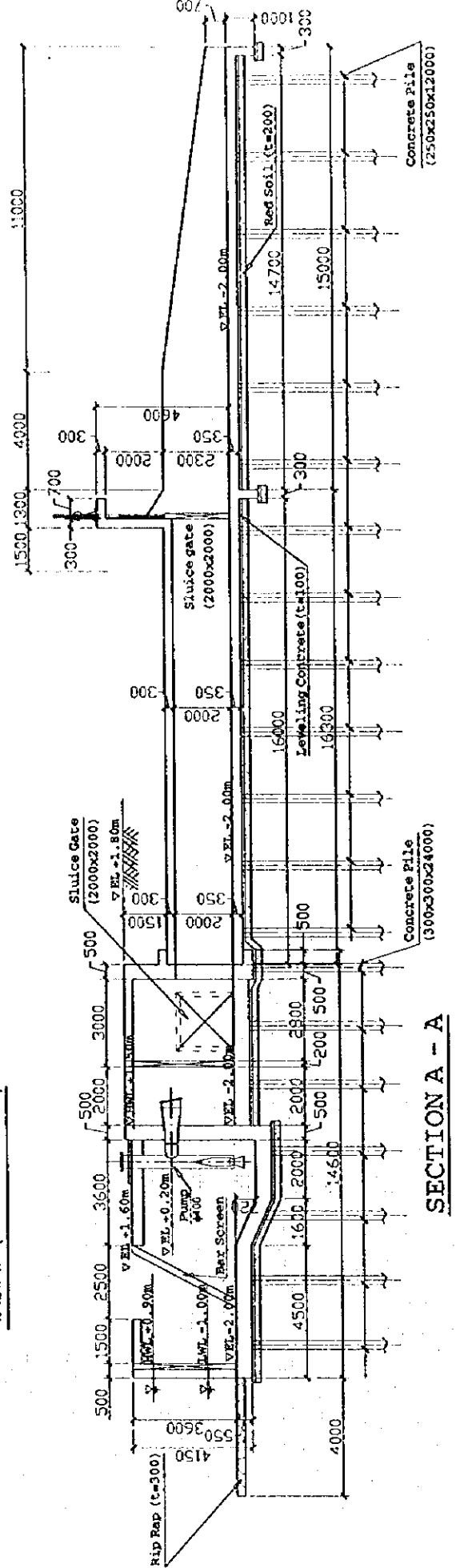
SECTION A - A

FIG. E.8.23(2/7) STRUCTURAL DESIGN OF PROPOSED THANH DA PUMPING STATION (2/2)

SCALE 1 : 200



PLAN (Phase - 1)



SECTION A - A

FIG. E.8.23(3/7) STRUCTURAL DESIGN OF PROPOSED BEN ME COC (1) PUMPING STATION (Phase-1)

SCALE 1:200

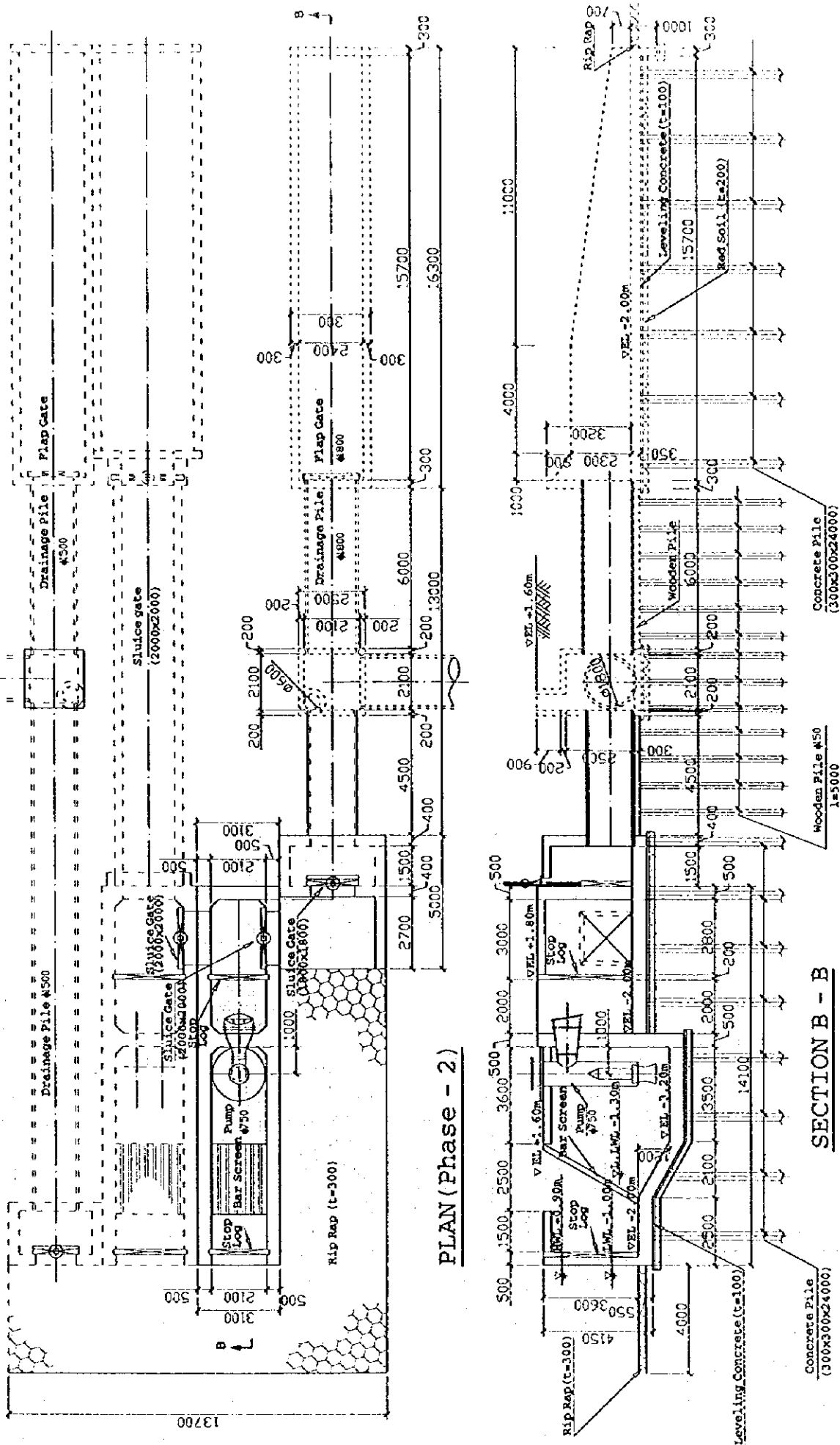
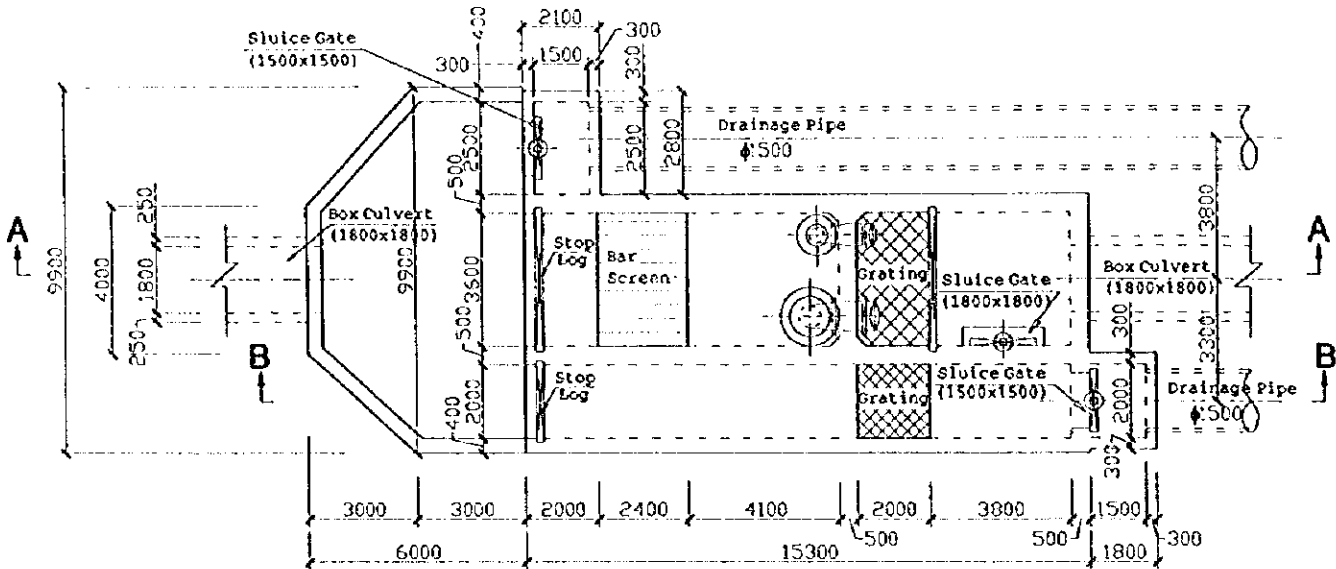
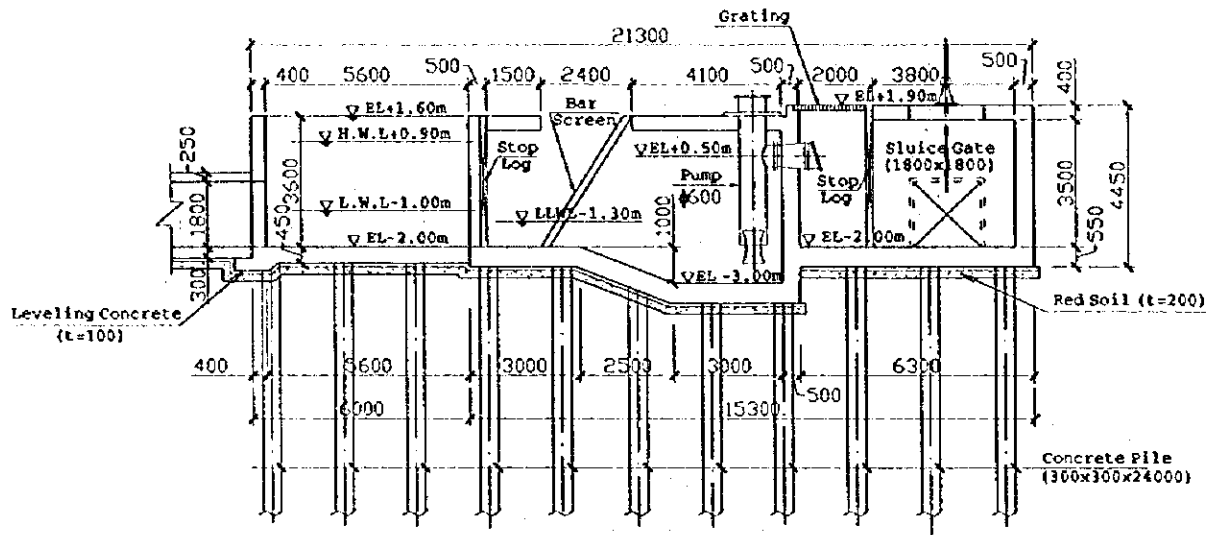


FIG. E.8.23(4/7) STRUCTURAL DESIGN OF PROPOSED BEN ME COC (1) PUMPING STATION (Phase-2)

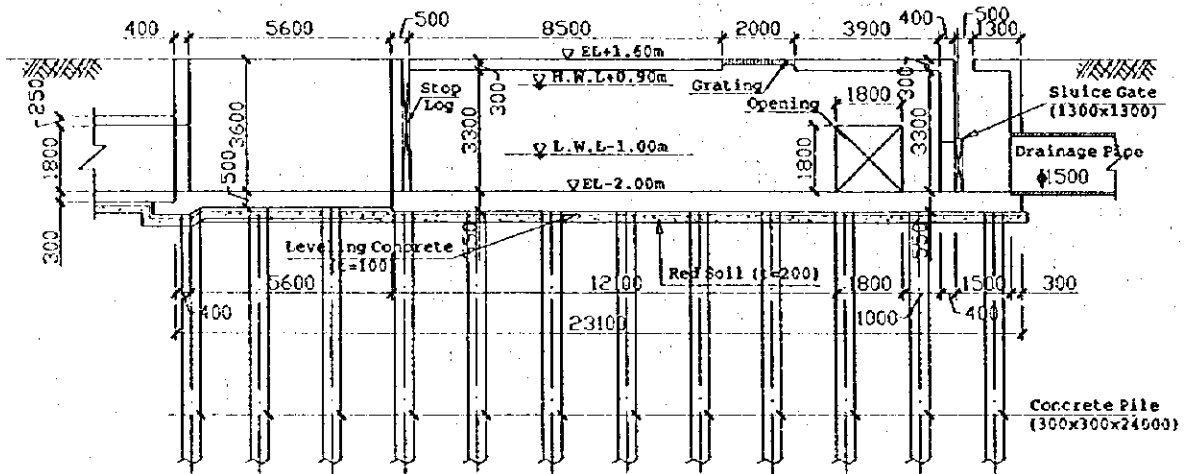
SCALE 1 : 200



PLAN



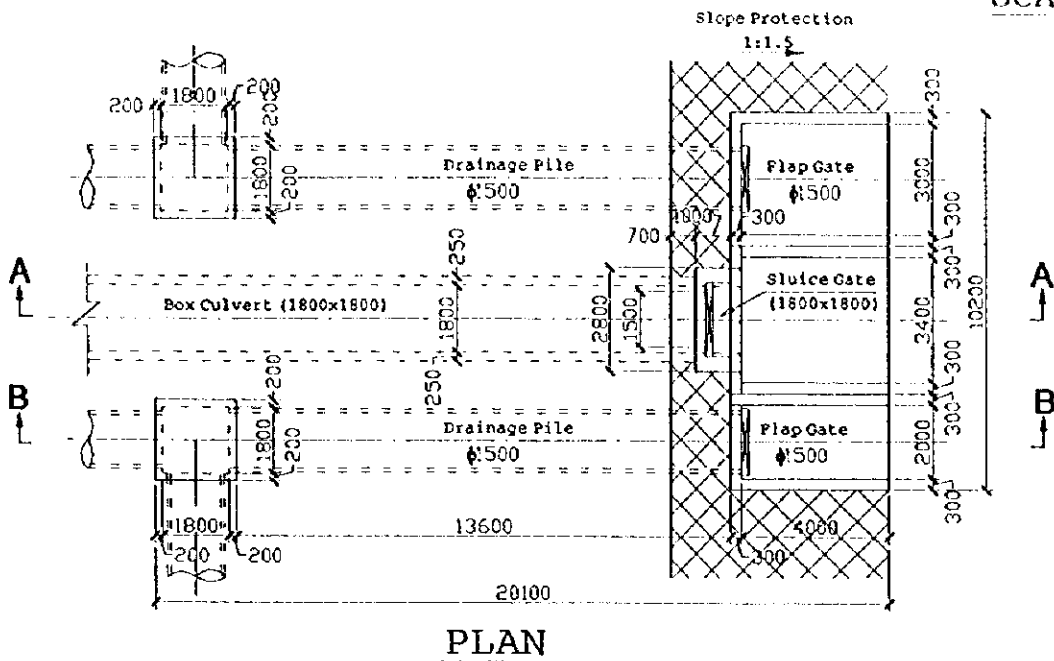
SECTION A - A



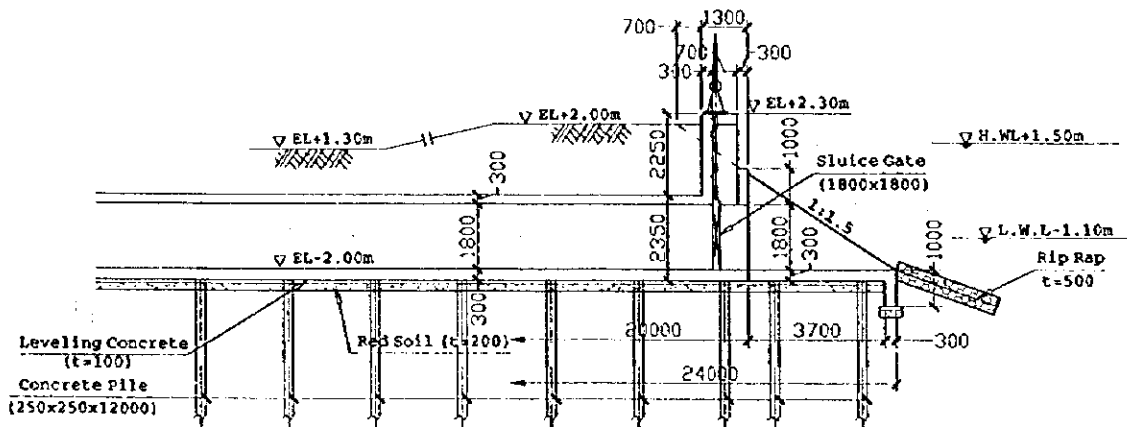
SECTION B - B

FIG. E.8.23(5/7) LAYOUT OF PROPOSED BEN ME COC (2) PUMPING STATION (1/2)

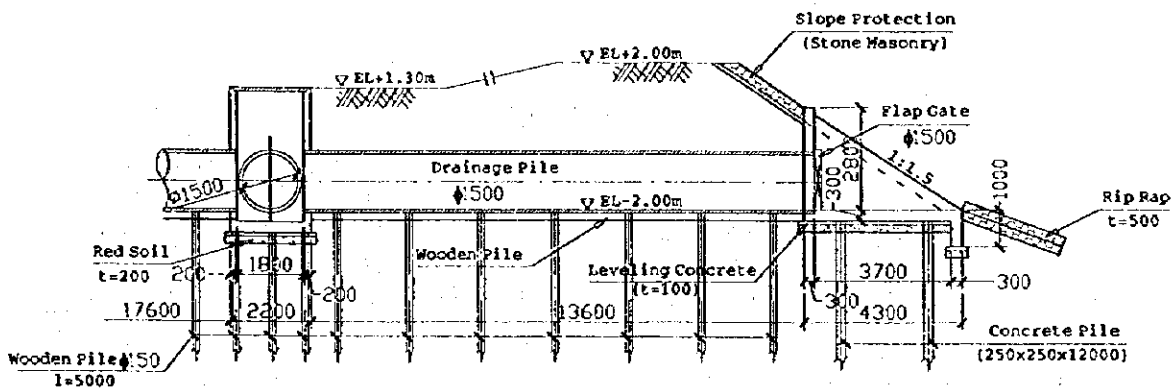
SCALE 1 : 200



PLAN



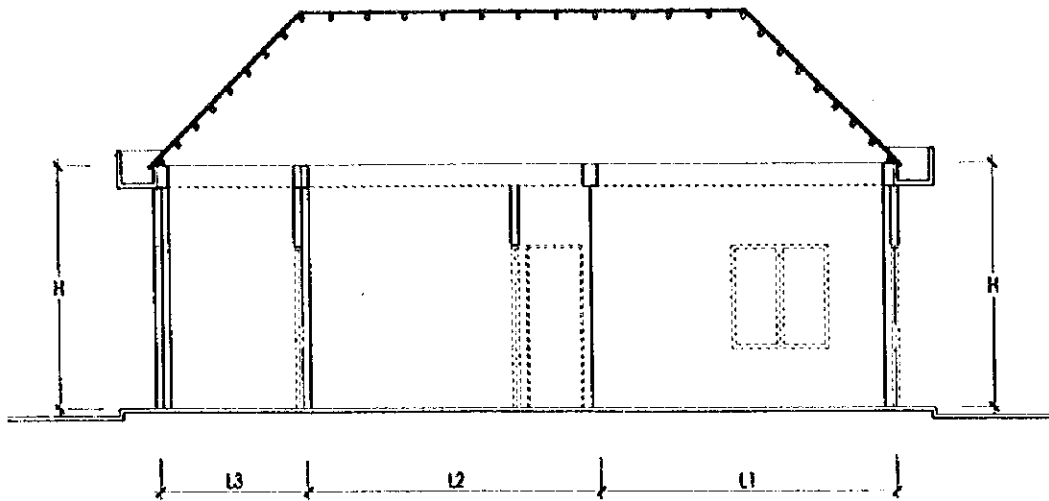
SECTION A - A



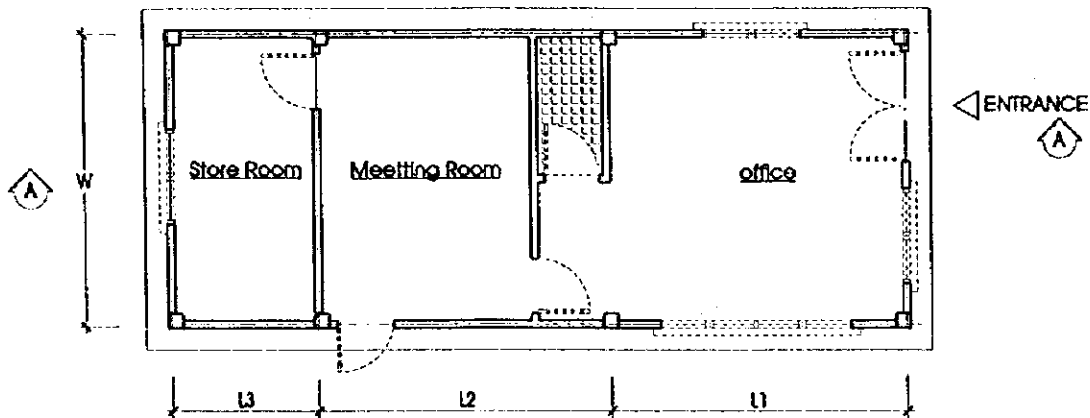
SECTION B - B

FIG. E.8.23(6/7) STRUCTURAL DESIGN OF PROPOSED BEN ME COC (2) PUMPING STATION (2/2)





SECTION A\_A



O&M OFFICE PLAN

Unit : mm

	Me Coc 1	Me Coc 2	Thanh Da
L1	4000	4000	4000
L2	8000	4000	4000
L3	4000	2000	2000
W	5000	4000	4000
H	3500	3500	3500

FIG. E.8.23(7/7) TYPICAL DESIGN OF OPERATION & MAINTENANCE OFFICE

SCALE 1:1000

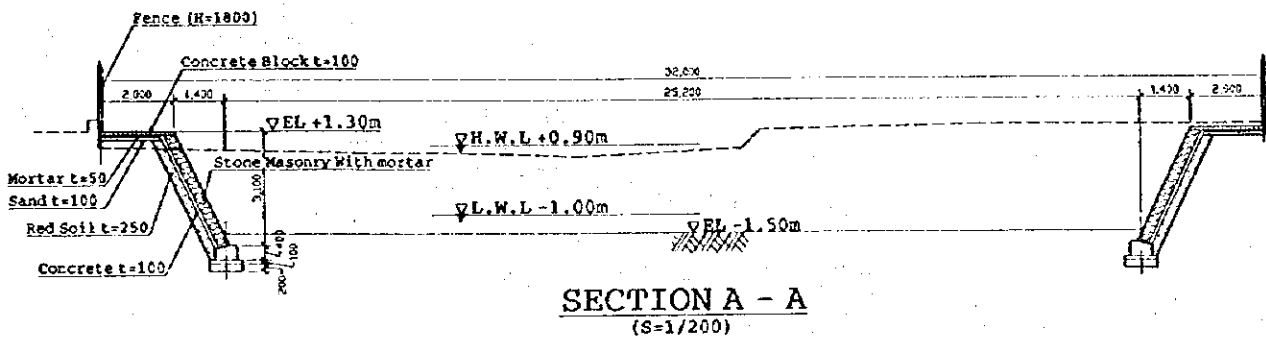
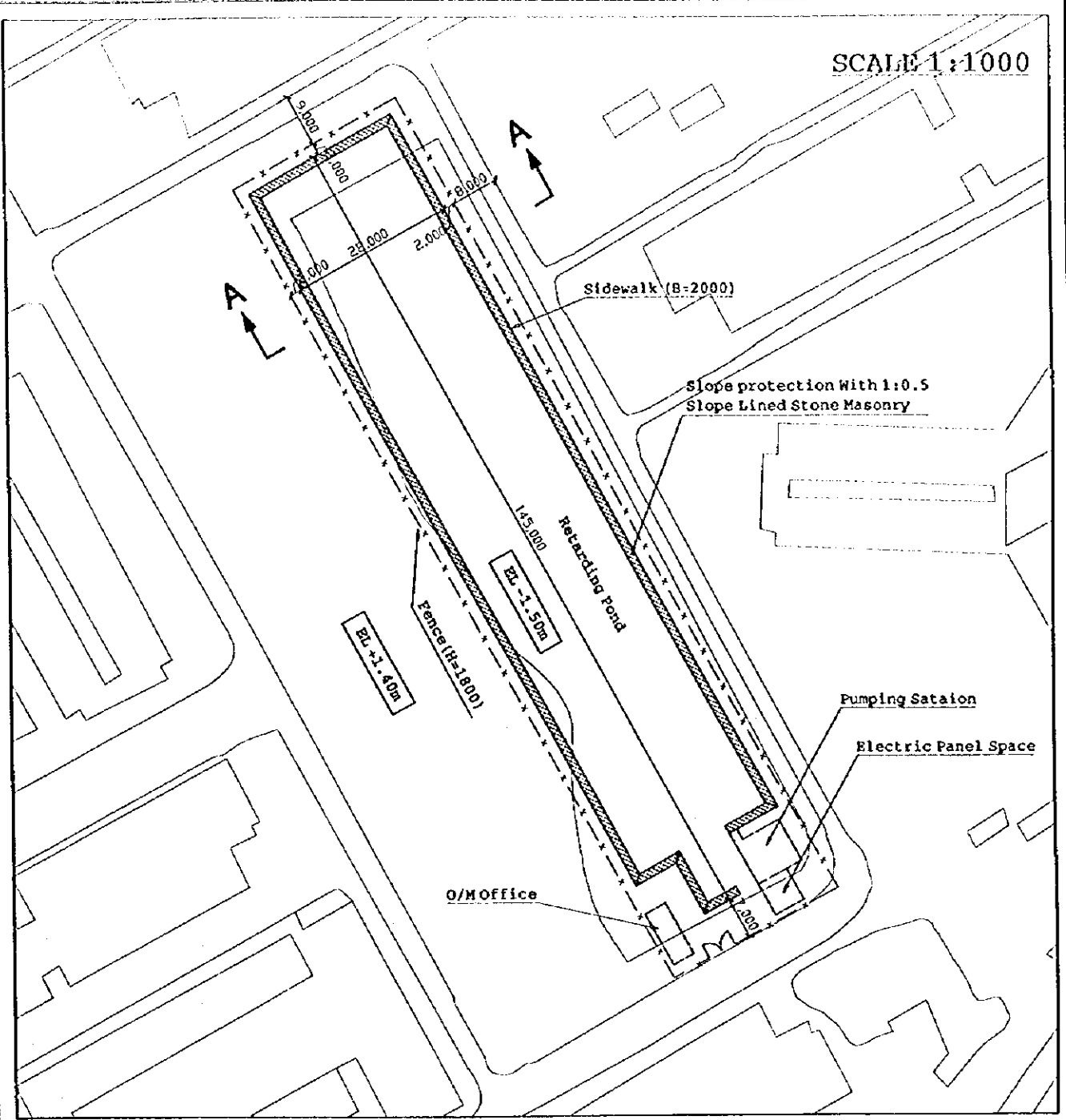


FIG. E.8.24(1/4) LAYOUT OF PROPOSED RETAINING POND OF THANH DA PUMPING STATION

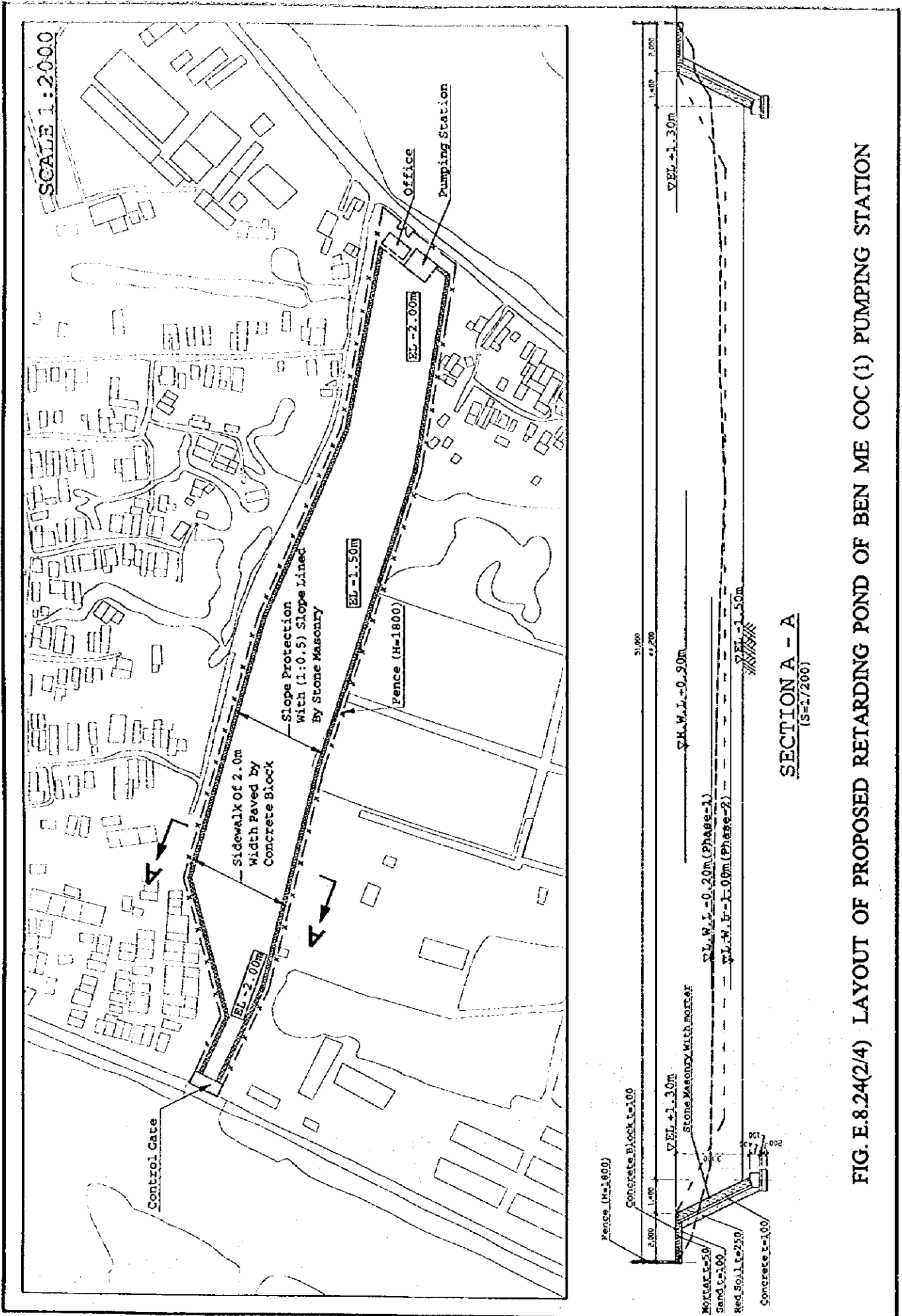
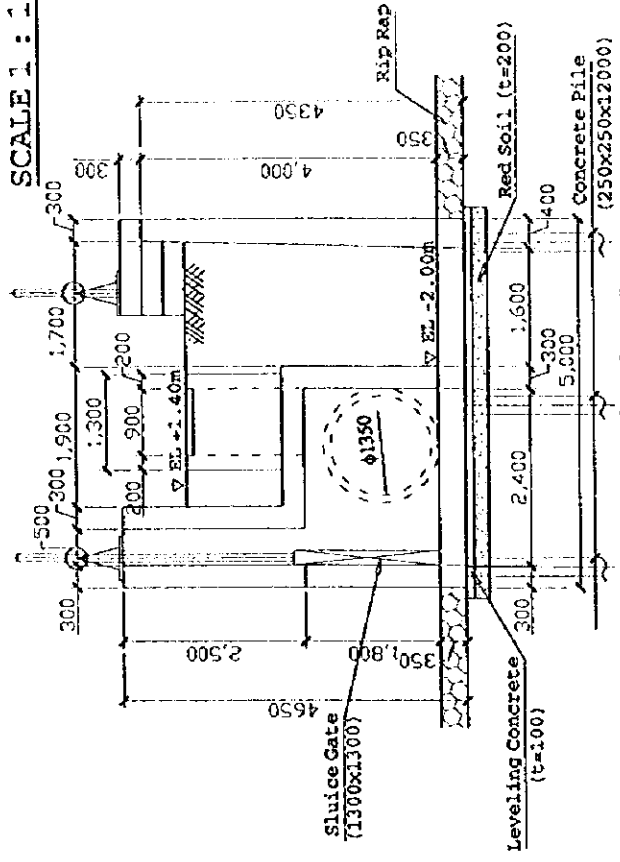
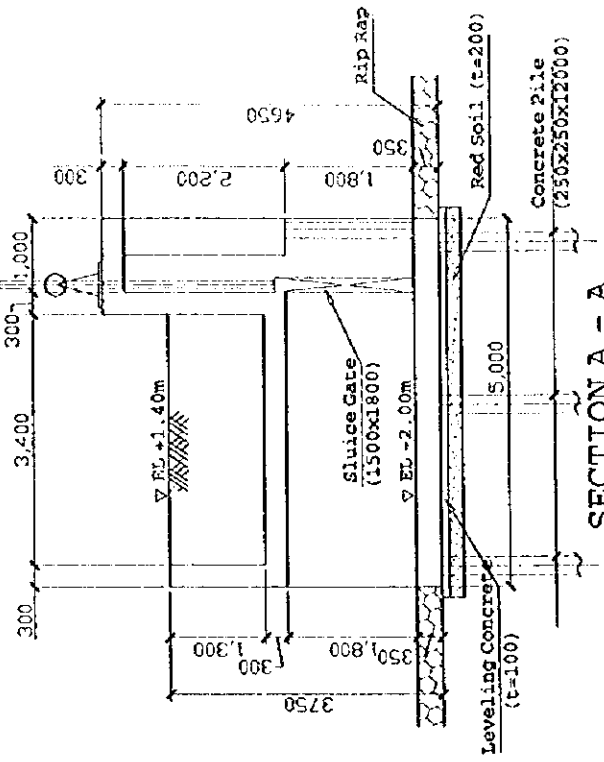


FIG. E.8.24(2/4) LAYOUT OF PROPOSED RETARDING POND OF BEN ME COC (1) PUMPING STATION

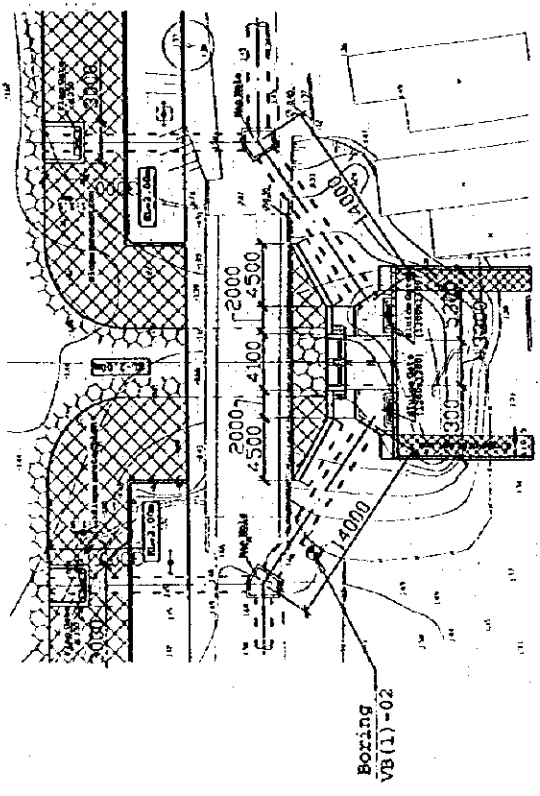
SCALE 1 : 100



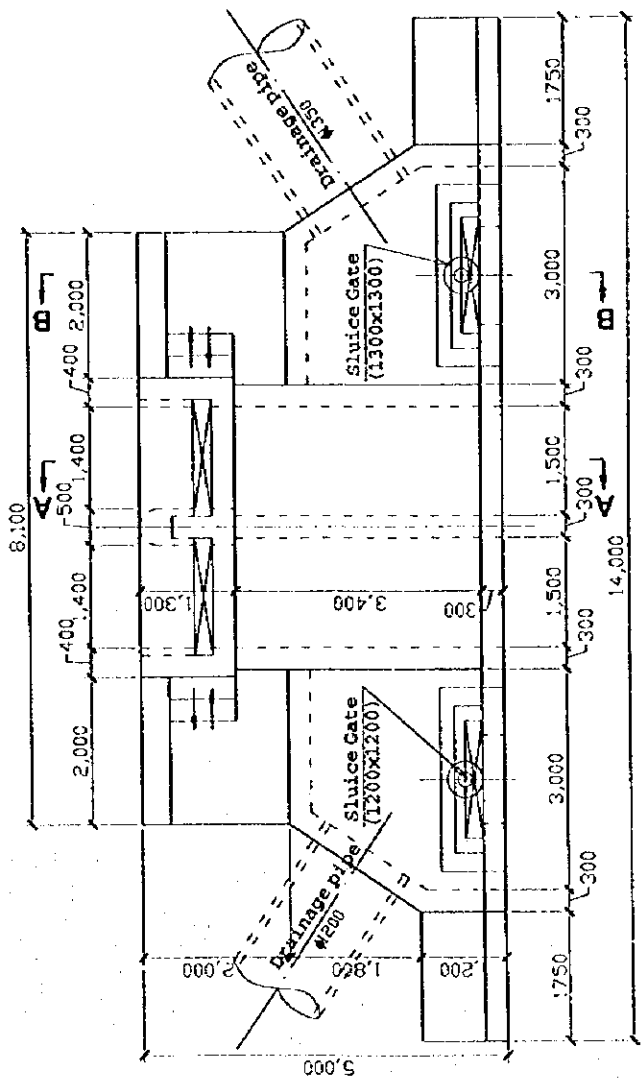
SECTION B - B



SECTION A - A



LAYOUT



PLAN

FIG. E.8.24(3/4) LAYOUT AND STRUCTURAL DESIGN OF PROPOSED CONTROL GATE IN BEN ME COC (1)

SCALE 1:2000

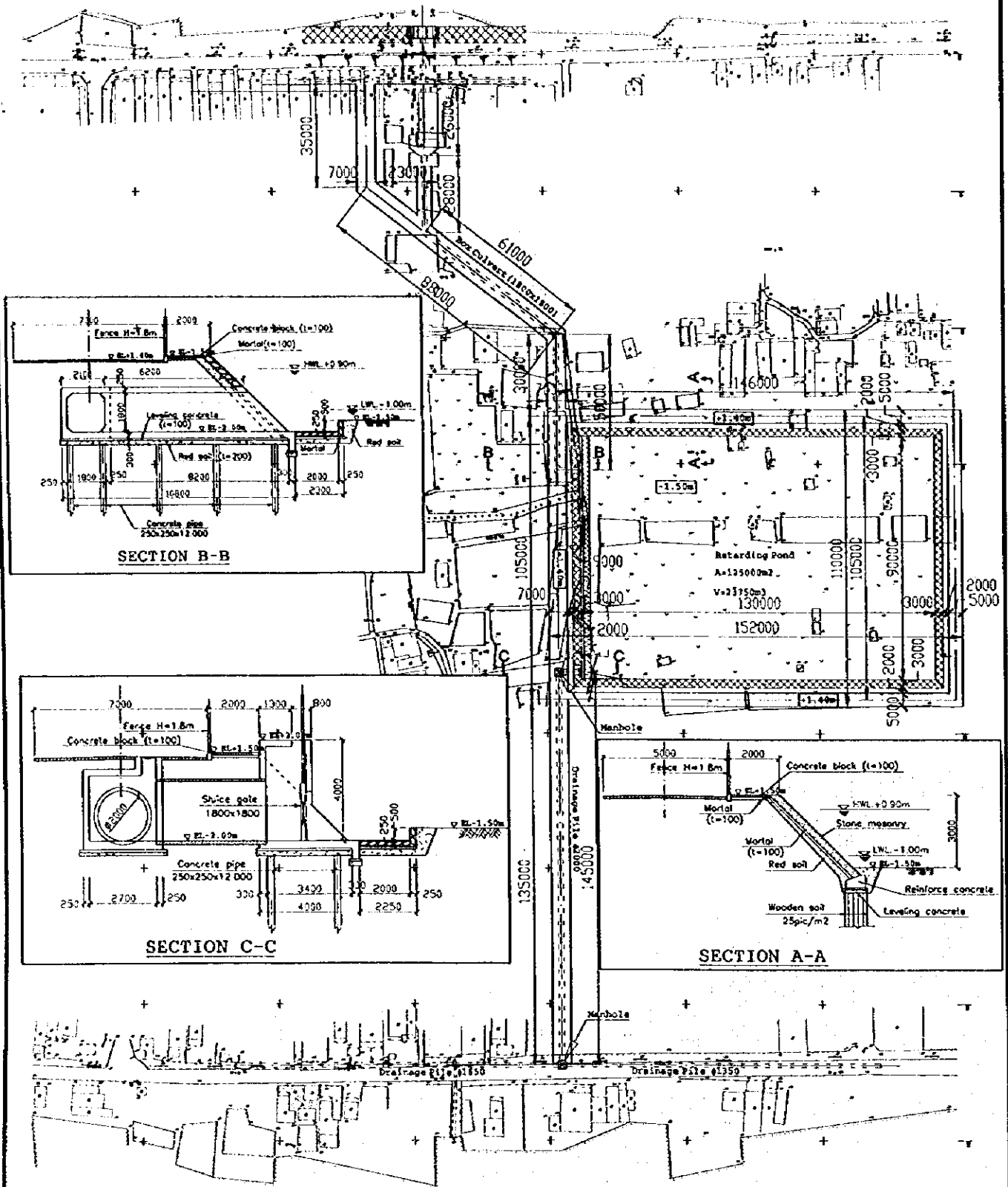
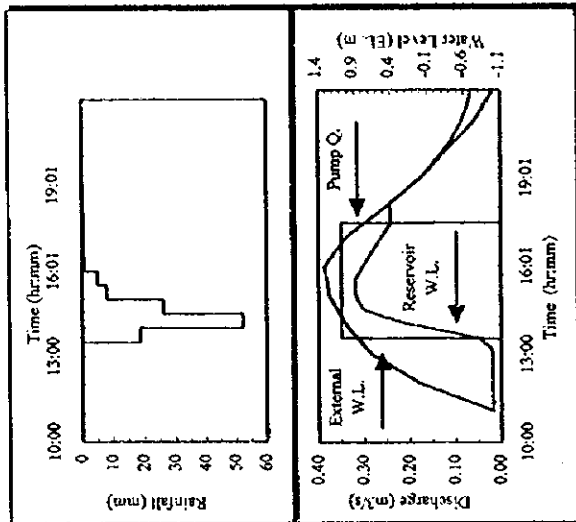
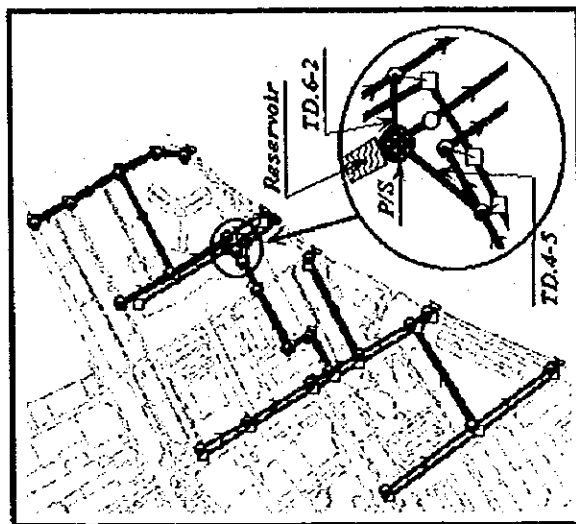


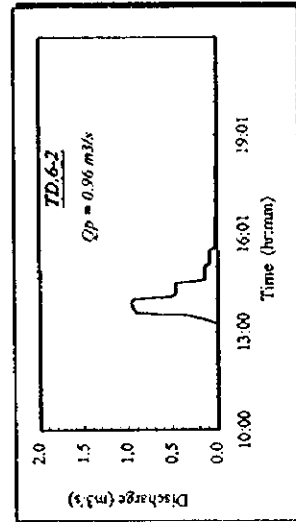
FIG. E.8.24(4/4) LAYOUT AND STRUCTURAL DESIGN OF PROPOSED RETARDING POND OF BEN ME COC (2)



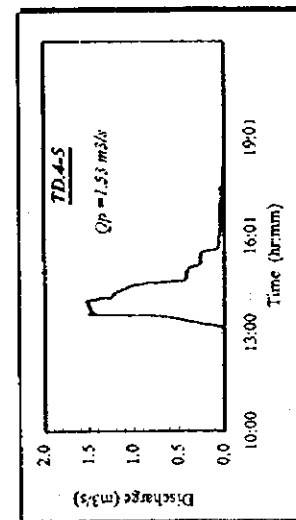
RESERVOIR WATER LEVEL AND PUMP OPERATION



HYDRODYNAMIC MODEL NETWORK

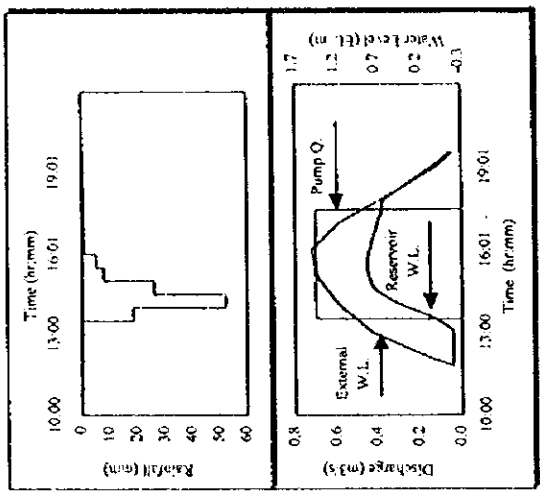


DISCHARGE HYDROGRAPHS TO RESERVOIR

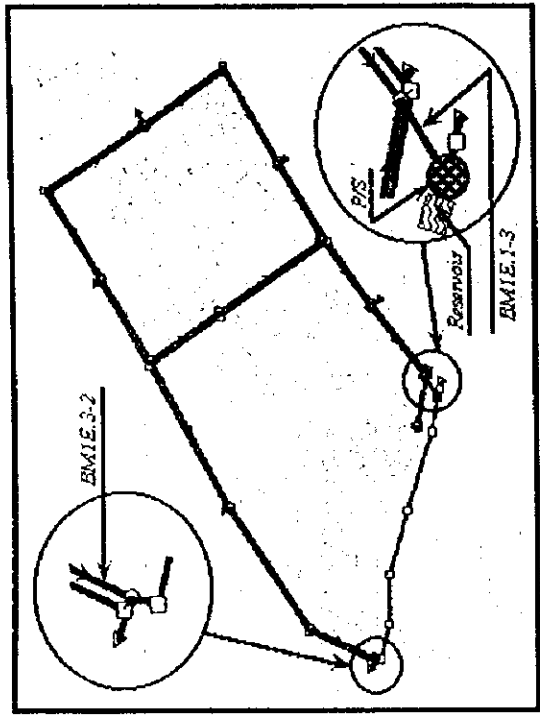


CASE 1: THANH DA AREA

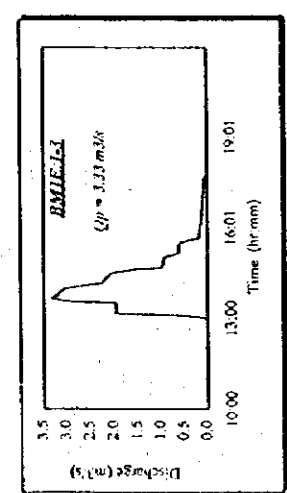
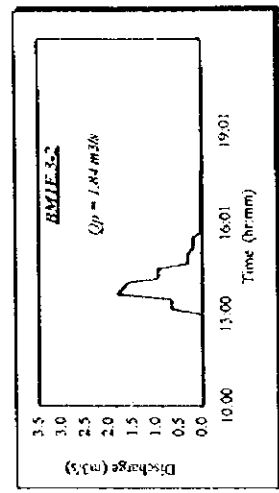
**FIG. E.8.25 (1/4) HYDRODYNAMIC SIMULATION RESULT FROM MOUSE**



RESERVOIR WATER LEVEL AND PUMP OPERATION



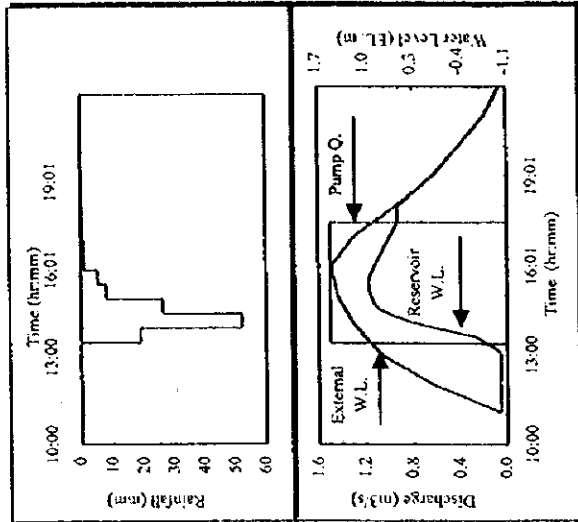
HYDRODYNAMIC MODEL NETWORK



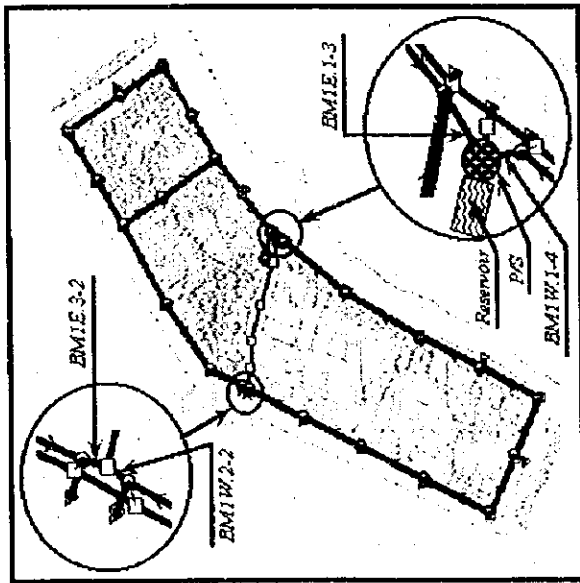
DISCHARGE HYDROGRAPHS TO RESERVOIR

CASE 2A: BEN ME COC 1: EAST AREA (PHASE I)

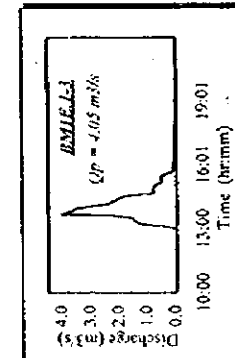
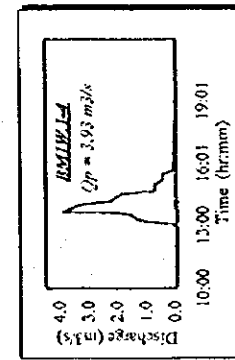
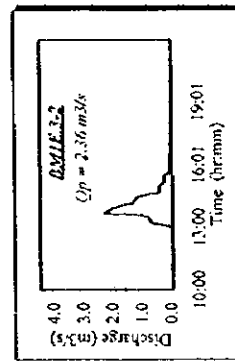
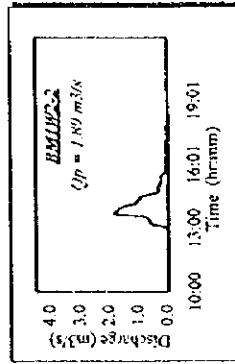
FIG. E.8.25 (2/4) HYDRODYNAMIC SIMULATION RESULT FROM MOUSE



RESERVOIR WATER LEVEL AND PUMP OPERATION



HYDRODYNAMIC MODEL NETWORK

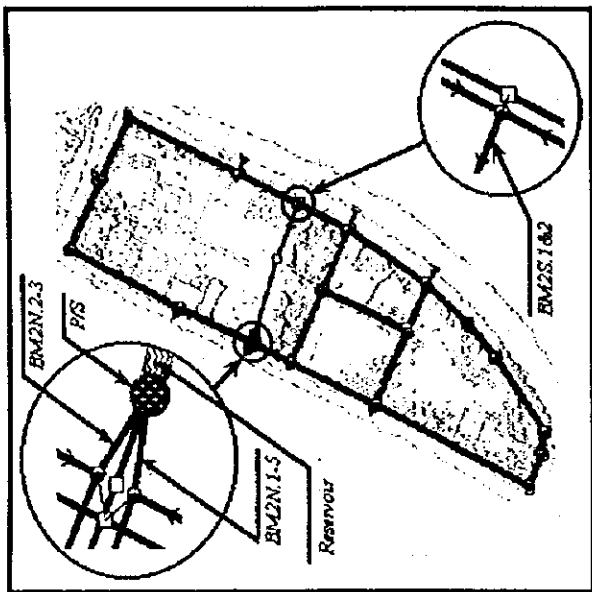
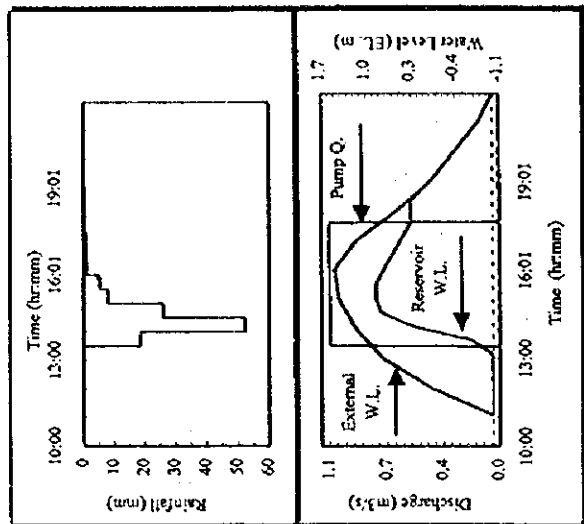


DISCHARGE HYDROGRAPHS TO RESERVOIR

CASE 2B: BEN ME COC I - EAST + WEST AREA (PHASE II)

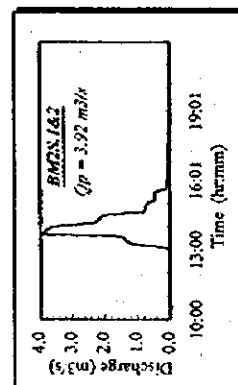
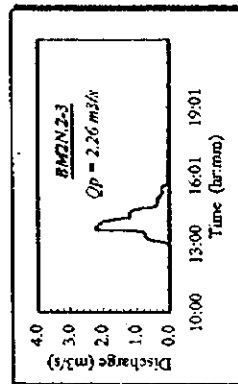
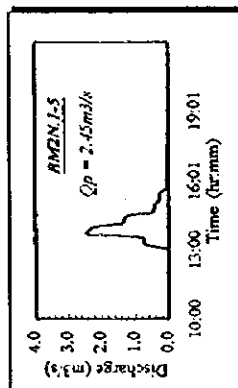
FIG. E.8.25 (3/4) HYDRODYNAMIC SIMULATION RESULT FROM MOUSE





HYDRODYNAMIC MODEL NETWORK

RESERVOIR WATER LEVEL AND PUMP OPERATION



DISCHARGE HYDROGRAPHS TO RESERVOIR

**CASE 3: BEN ME COC 2 AREA (PHASE I)**  
**FIG. E.8.25 (4/4) HYDRODYNAMIC SIMULATION RESULT FROM MOUSE**

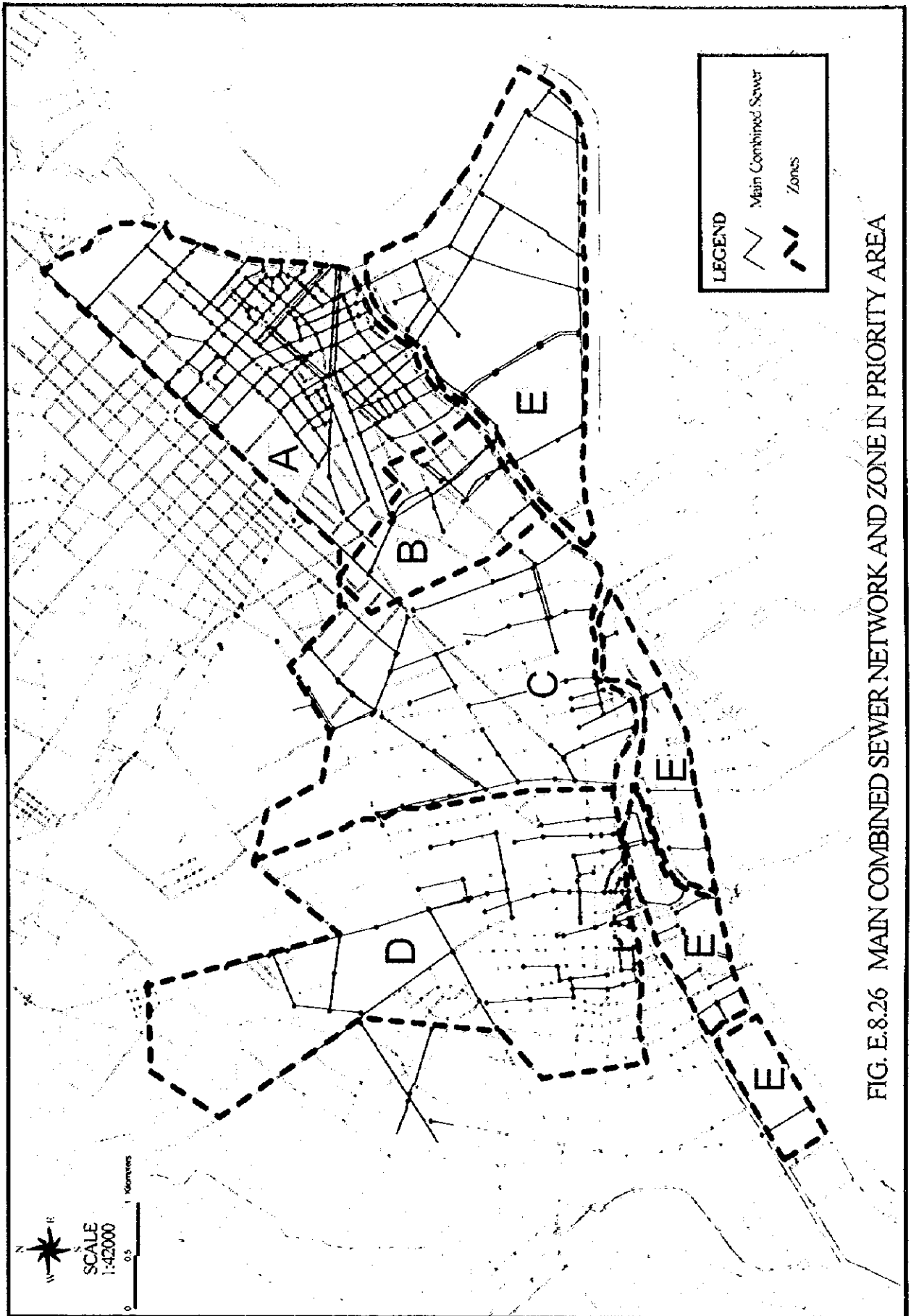
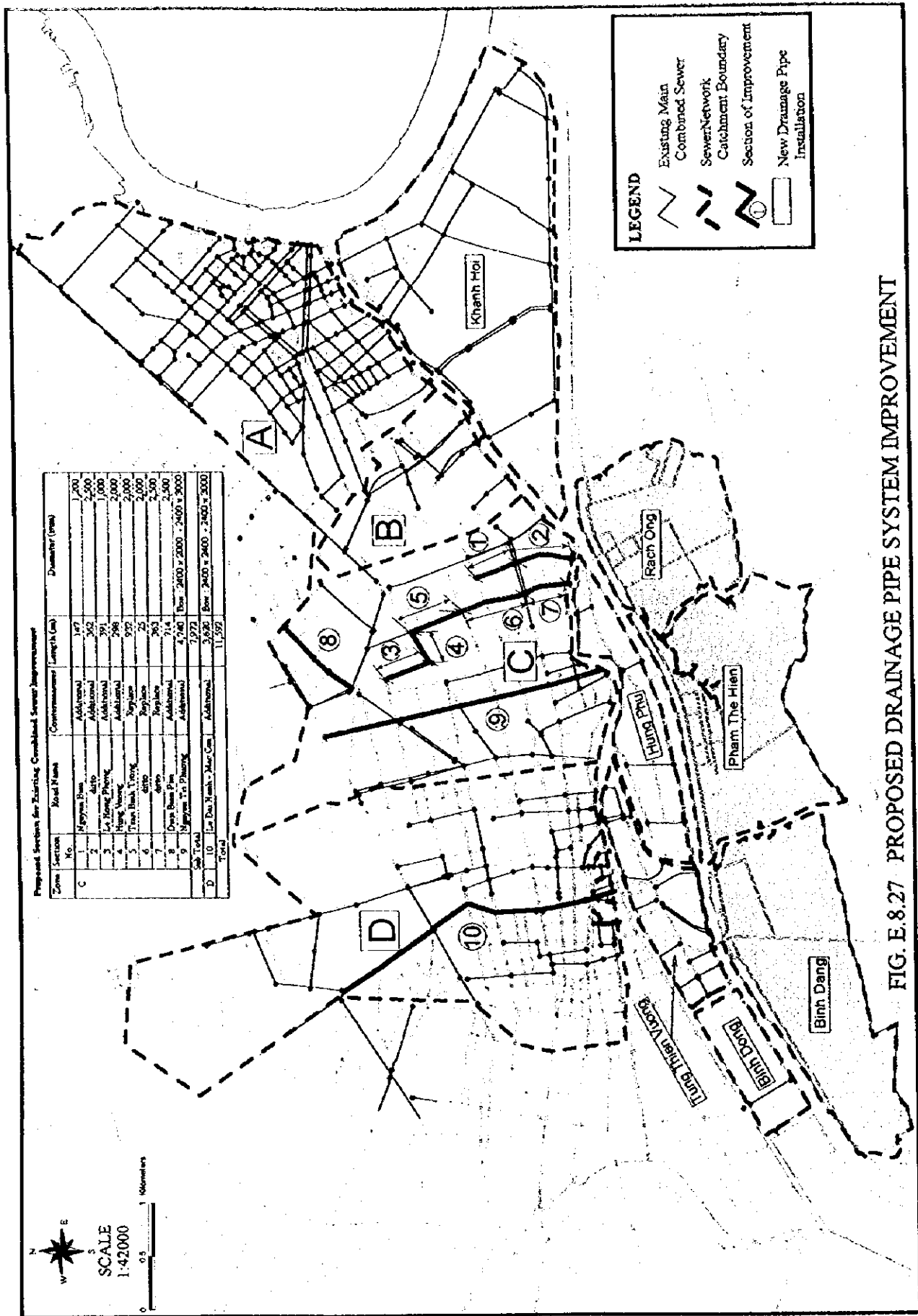


FIG. E.8.26 MAIN COMBINED SEWER NETWORK AND ZONE IN PRIORITY AREA



Proposed Section for Existing Combined Sewer Improvement

Zone	Section No.	Road Name	Comments	Length (km)	Diameter (mm)
C	1	Nguyen Binh	Additional	1.07	1,200
	2	Arto	Additional	2.50	1,200
	3	La Hong Phong	Additional	3.91	1,000
	4	Hong Vuong	Additional	3.98	2,000
	5	Tan Binh Thong	Upgrade	9.27	2,000
	6	Arto	Upgrade	2.5	2,500
	7	Arto	Upgrade	3.63	2,500
	8	Phan Binh Pham	Additional	3.14	2,500
	9	Nguyen Tri Phuong	Additional	7.40	2,400 / 2,000 / 2,400 / 3,000
	10	Phan Binh Pham	Additional	3.77	2,400 / 2,400 / 2,400 / 3,000
Sub Total					11,599
Total					11,599

FIG. E.8.27 PROPOSED DRAINAGE PIPE SYSTEM IMPROVEMENT



*[Faint, illegible text or markings at the bottom of the page, possibly bleed-through from the reverse side.]*



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