JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

NAIROBI CITY COUNCIL MINISTRY OF LOCAL AUTHORITIES THE REPUBLIC OF KENYA

THE STUDY ON SOLID WASTE MANAGEMENT IN NAIROBI CITY IN THE REPUBLIC OF KENYA

FINAL REPORT

VOLUME 7

DRAWINGS

AUGUST 1998

CTHENGINEERING CO., LTD.
ENVIRONMENTAL TECHNOLOGY CONSULTANTS CO., LTD.



\$\$\$ IR \$4.072

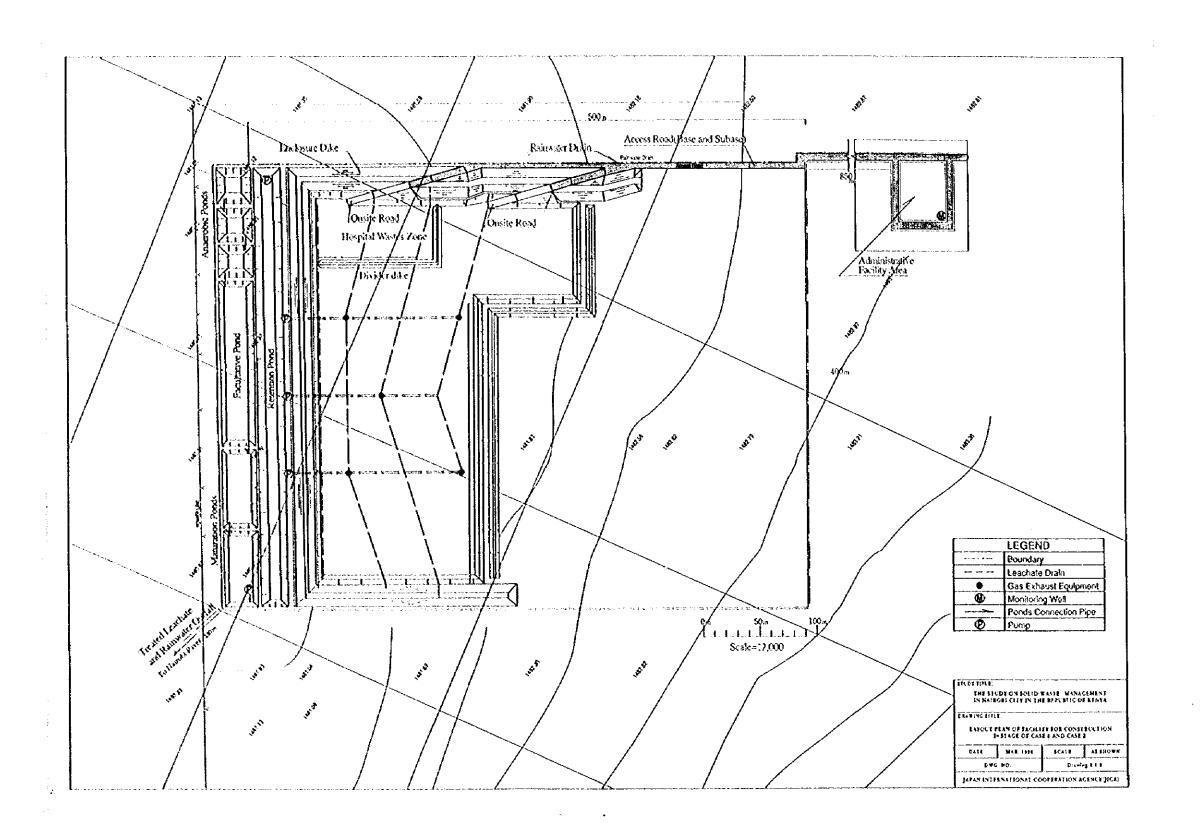
TABLE OF CONTENTS

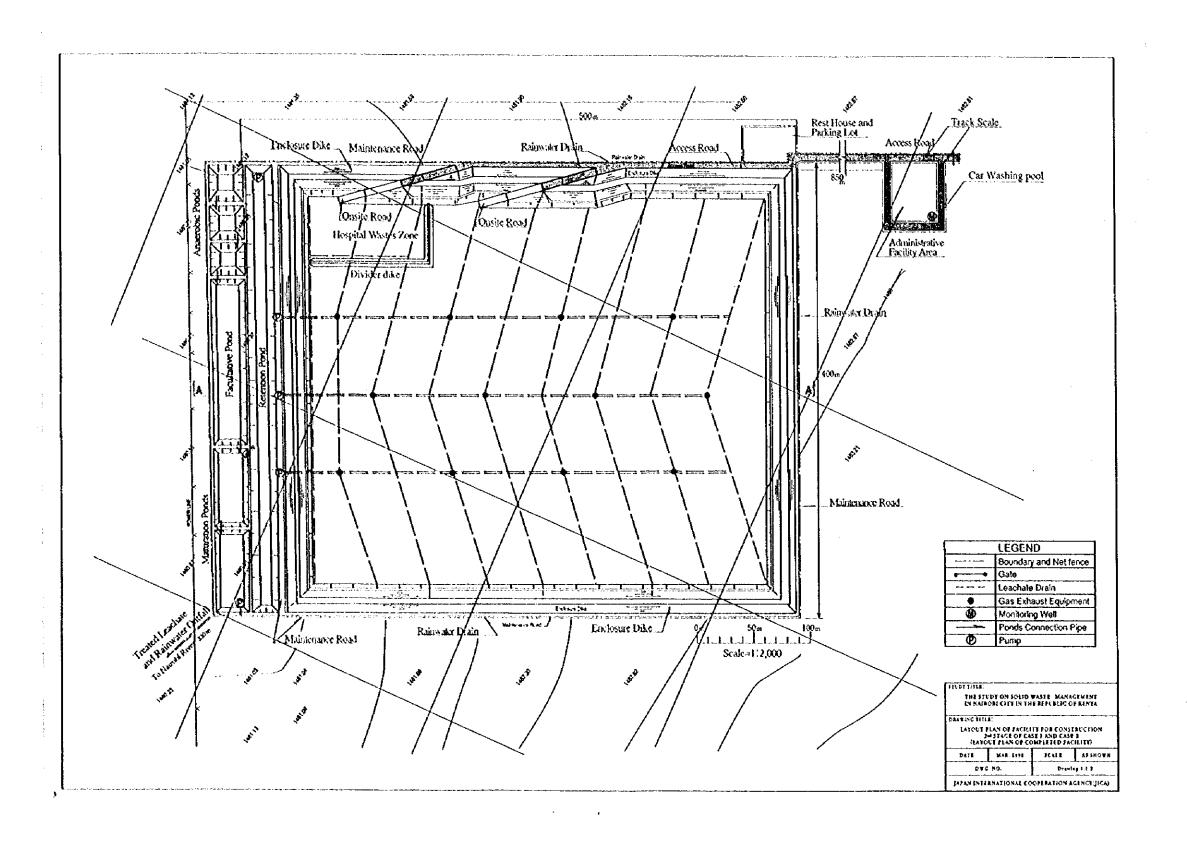
Drawing 1.1-1	LAYOUT PLAN OF FACILITY FOR CONSTRUCTION 151 STAGE OF CASE 1 AND CASE 2
Drawing 1.1-2	LAYOUT PLAN OF FACILITY FOR CONSTRUCTION 2ND STAGE OF CASE I AND CASE 2
-	(LAYOUT PLAN OF COMPLETED FACILITY)
Drawing 1.1-3	VERTICAL SECTIONAL VIEW OF FACILITY FOR CASE 1 AND CASE 2
Drawing 1.2-1	LAYOUT PLAN OF FACILITY FOR CONSTRUCTION 1st STAGE OF CASE 3 AND CASE 4
Drawing 1.2-2	LAYOUT PLAN OF FACILITY FOR CONSTRUCTION 2ND STAGE OF CASE 3 AND CASE 4
Drawing 1.2-3	LAYOUT PLAN OF FACILITY FOR CONSTRUCTION 3RD STAGE OF CASE 3 AND CASE 4
	(LAYOUT PLAN OF COMPLETED FACILITY)
Drawing 1.2-4	VERTICAL SECTIONAL VIEW OF FACILITY FOR CASE 3 AND CASE 4
Drawing 1.3-1	LAYOUT PLAN OF FACILITY FOR CONSTRUCTION 151 STAGE OF CASE 5 AND CASE 6
Drawing 1.3-2	LAYOUT PLAN OF FACILITY FOR CONSTRUCTION 2ND STAGE OF CASE 5 AND CASE 6
•	(LAYOUT PLAN OF COMPLETED FACILITY)
Drawing 1.3-3	VERTICAL SECTIONAL VIEW OF FACILITY FOR CASE 5 AND CASE 6
Drawing 2.1	LEACHATE DRAIN, GAS EXHAUST EQUIPMENT AND LEACHATE TREATMENT POND
Drawing 2.2	ACCESS ROAD AND NET FENCE
Drawing 2.3	RAINWATER DRAIN

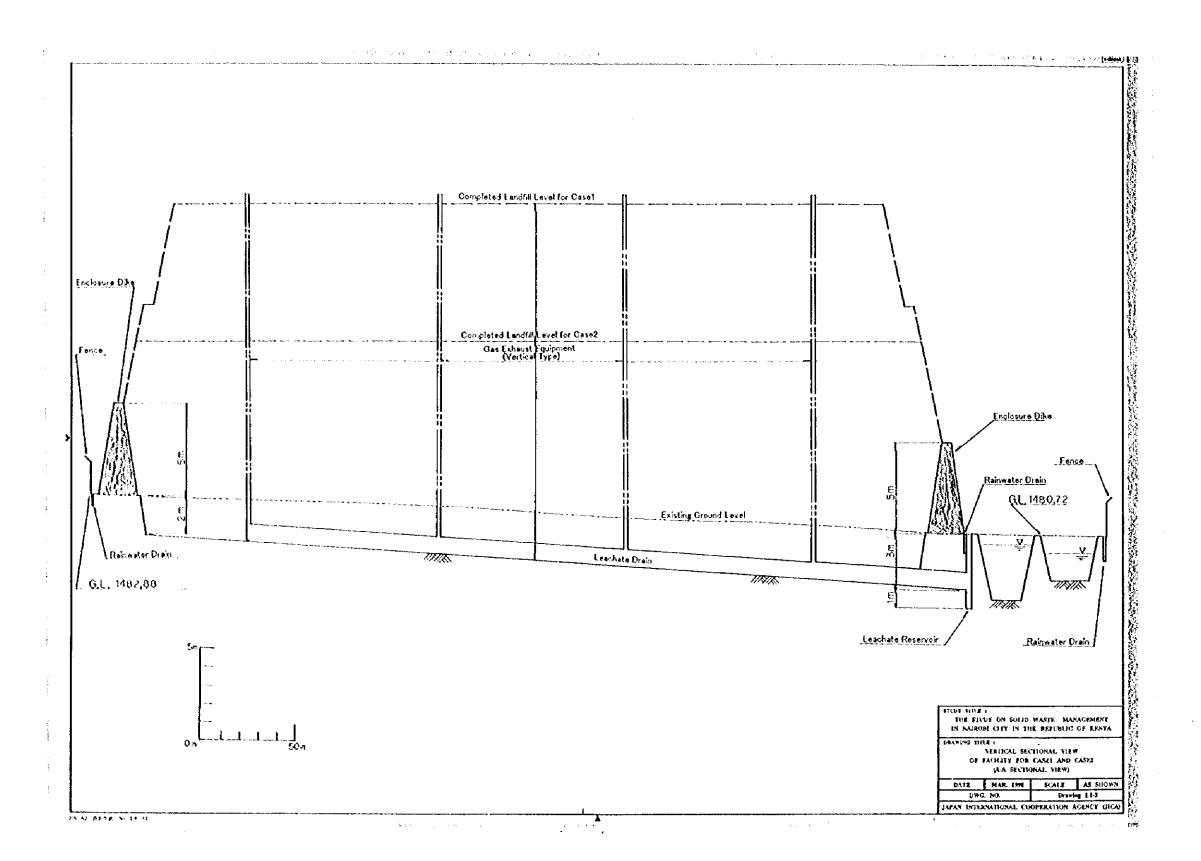


DESIGNING CASES

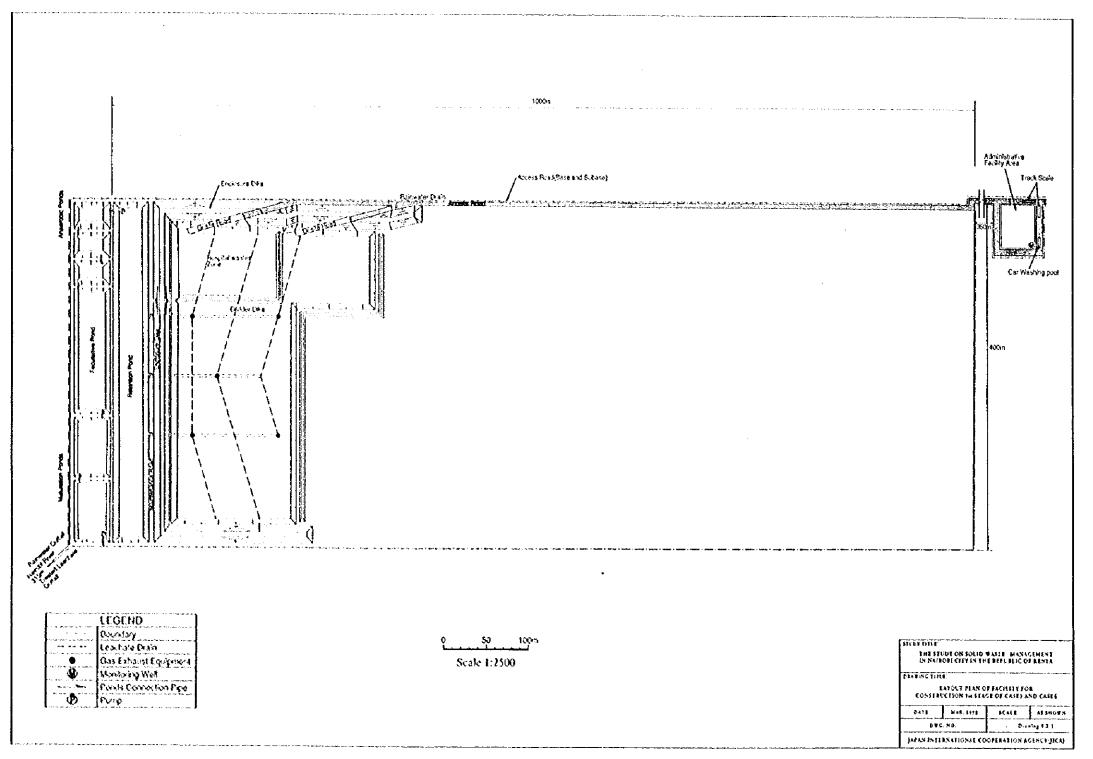
Designing Case	Case 1 and Case 2	Caso 3 and Caso 4	Caso 5 and Caso 6	
Site	Ruai		Ngong Road Forest	
Area	20 ha	40 ha	27 ha	
Drawing No.	1.1-1 1.1-2 1.1-3	1.2-1 1.2-2 , 1.2-3 1.2-4	1.3-1 1.3-2 1.3-3	
		2.1 2.2	•	
		2.3		

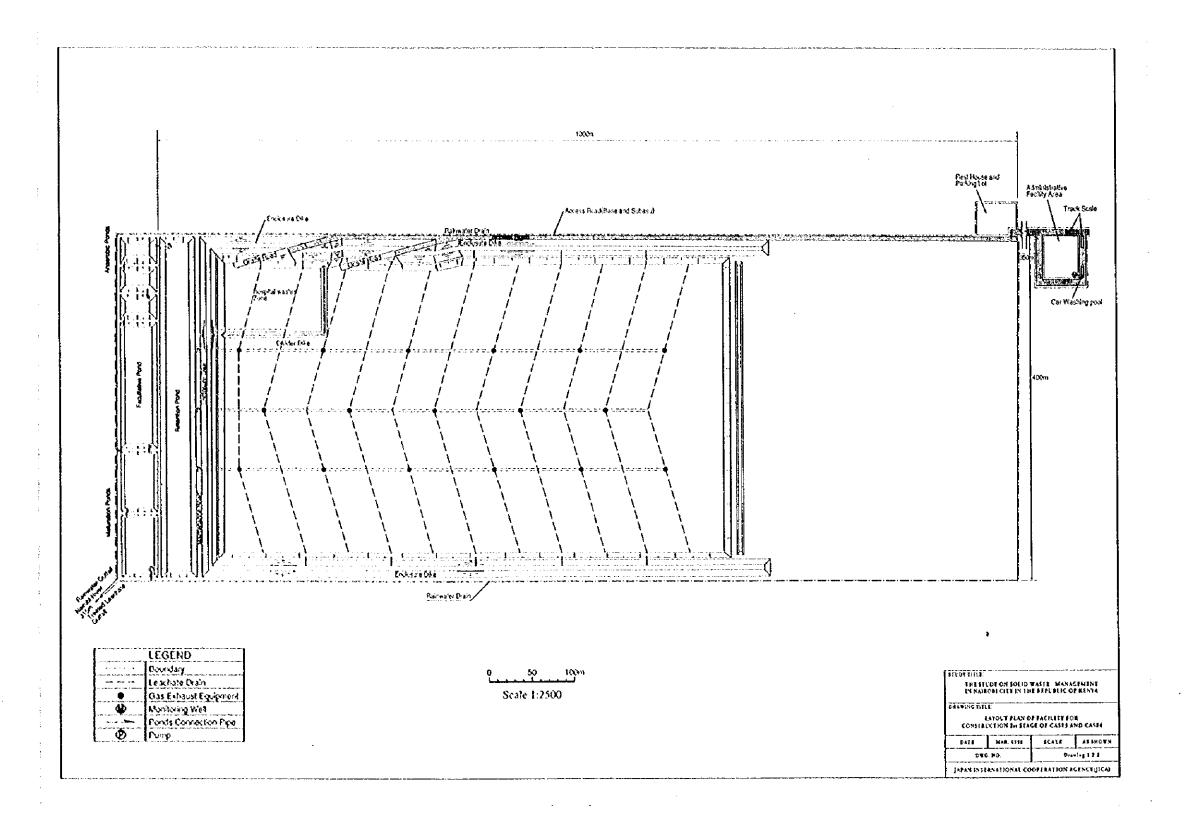


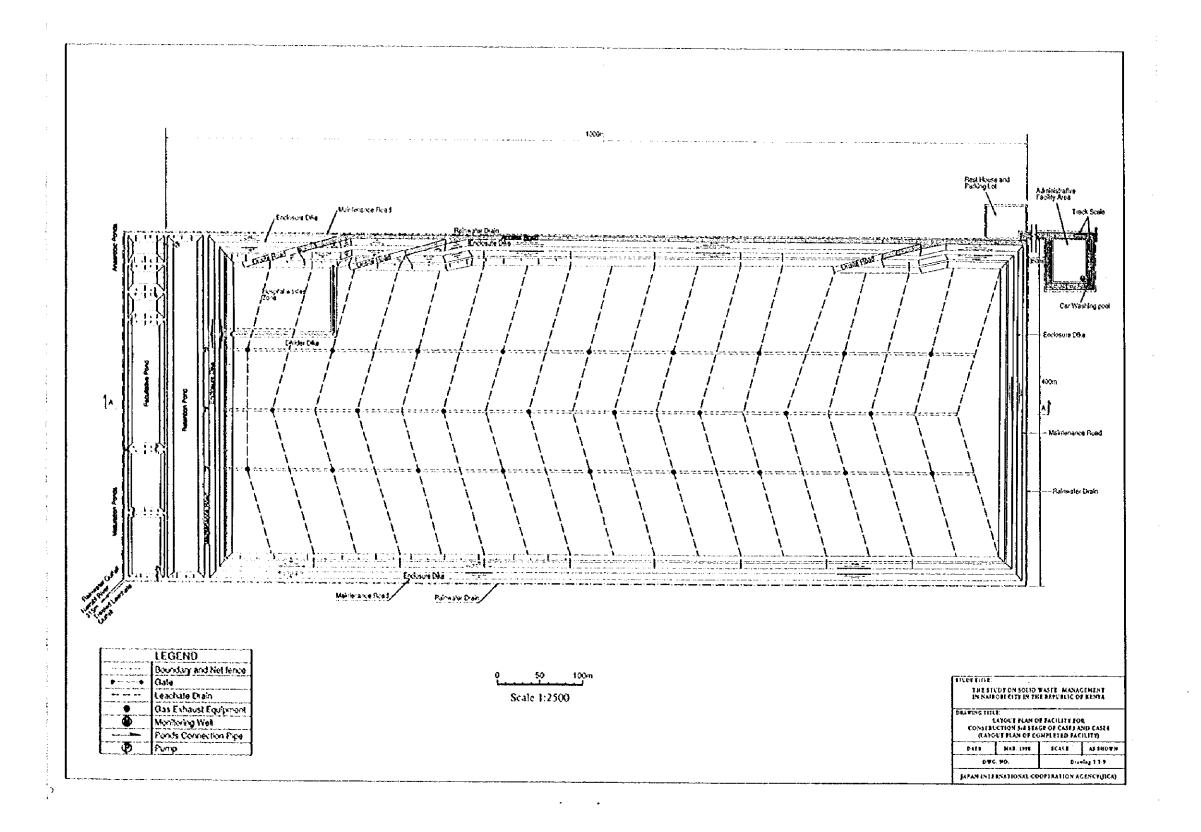


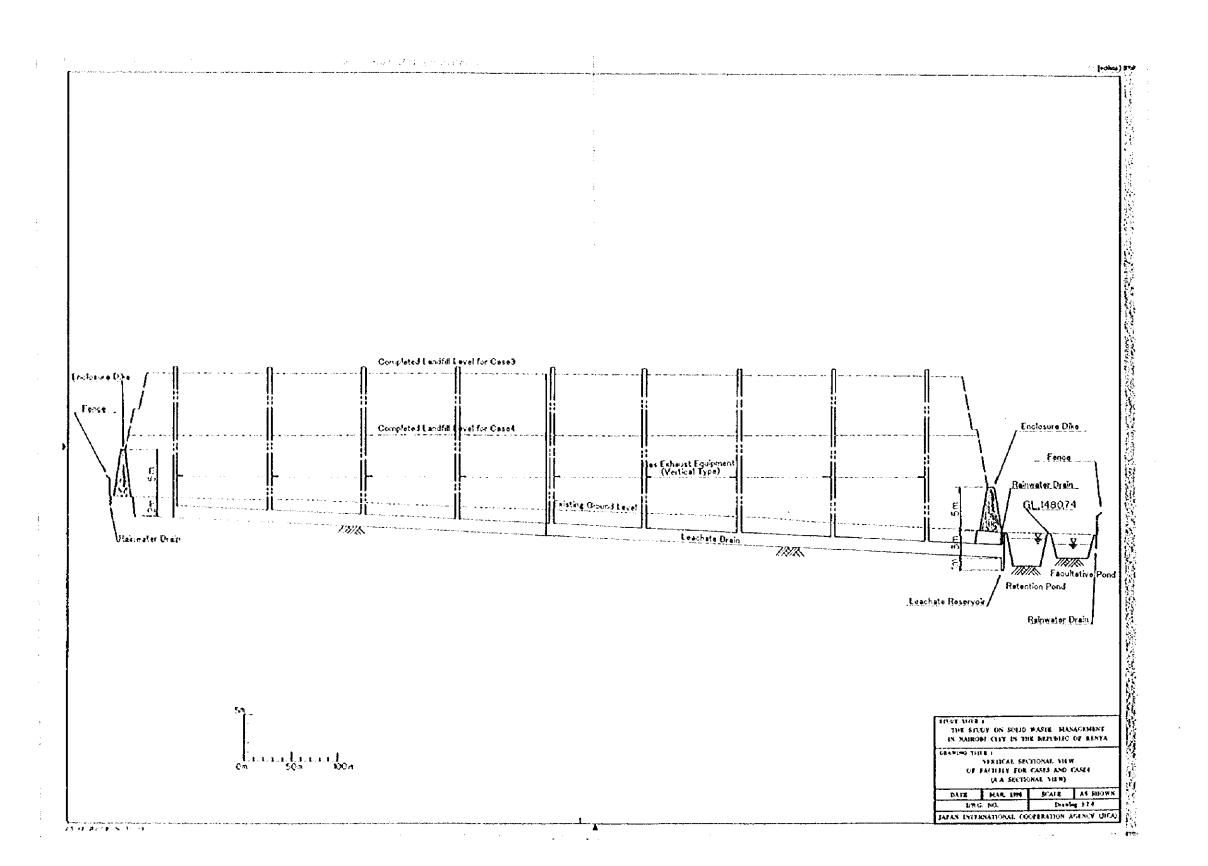


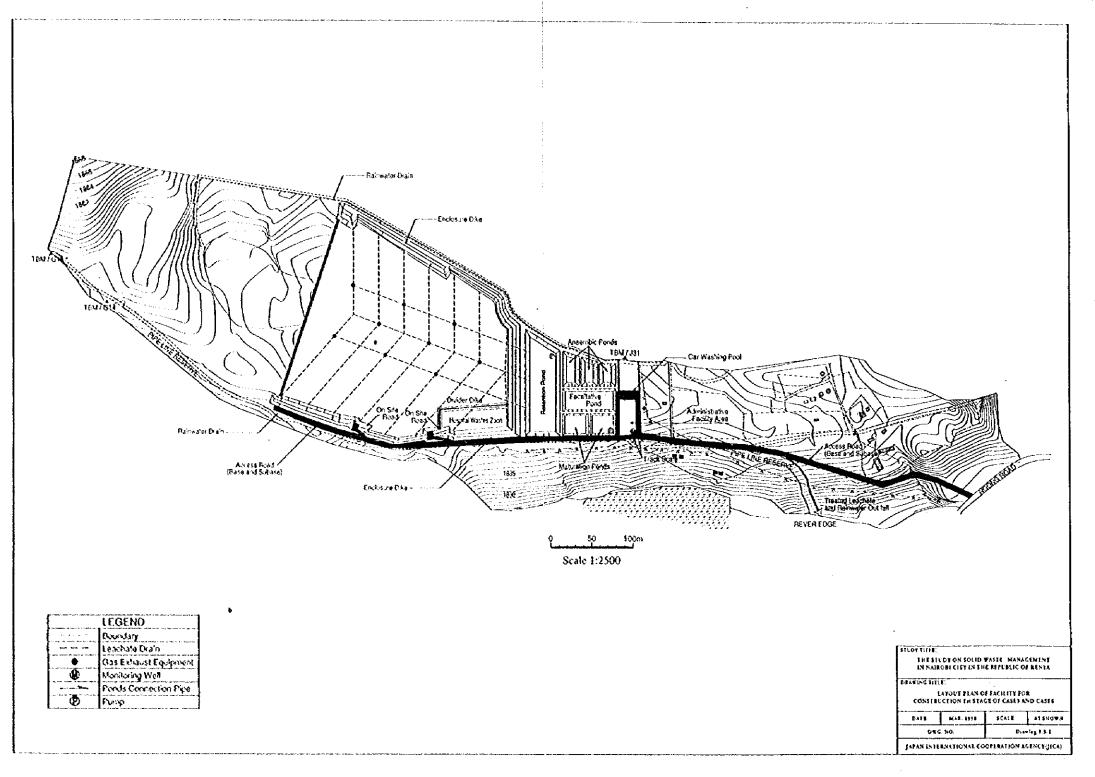
•

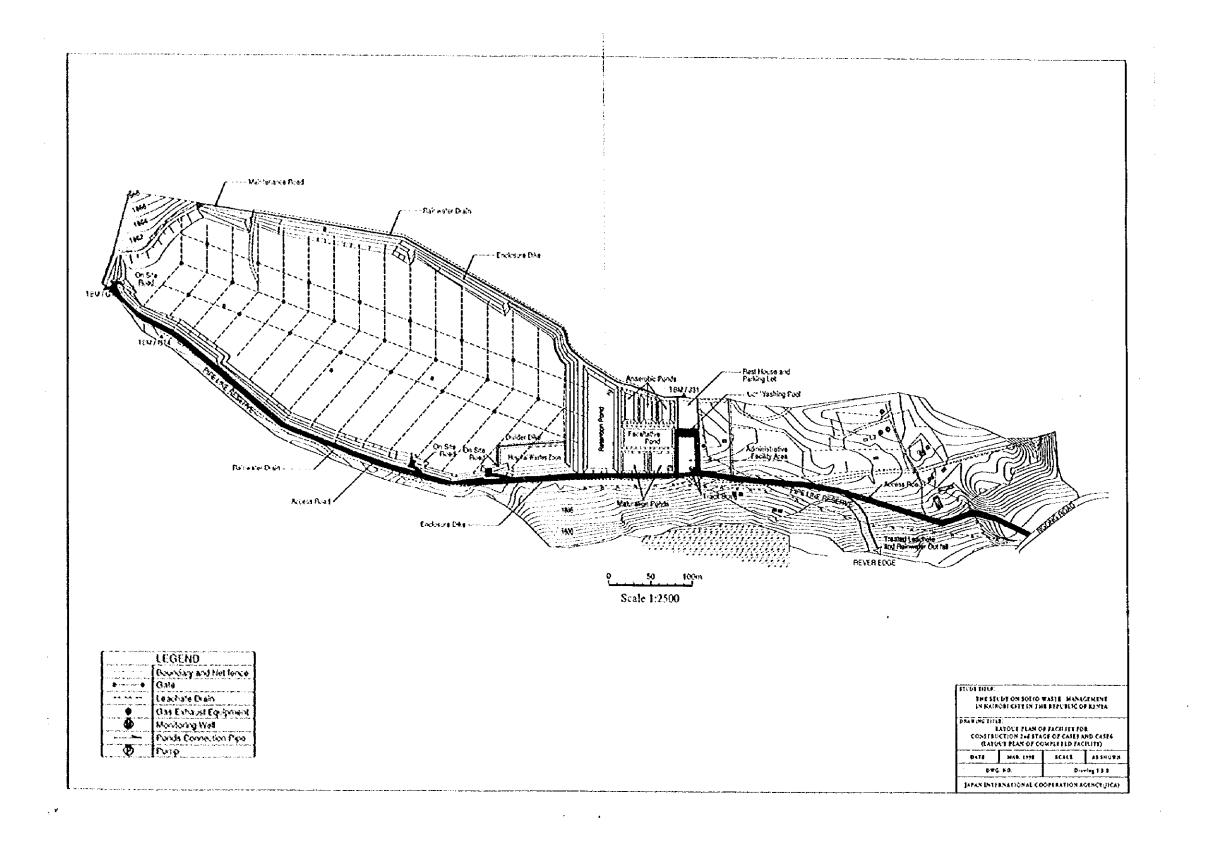


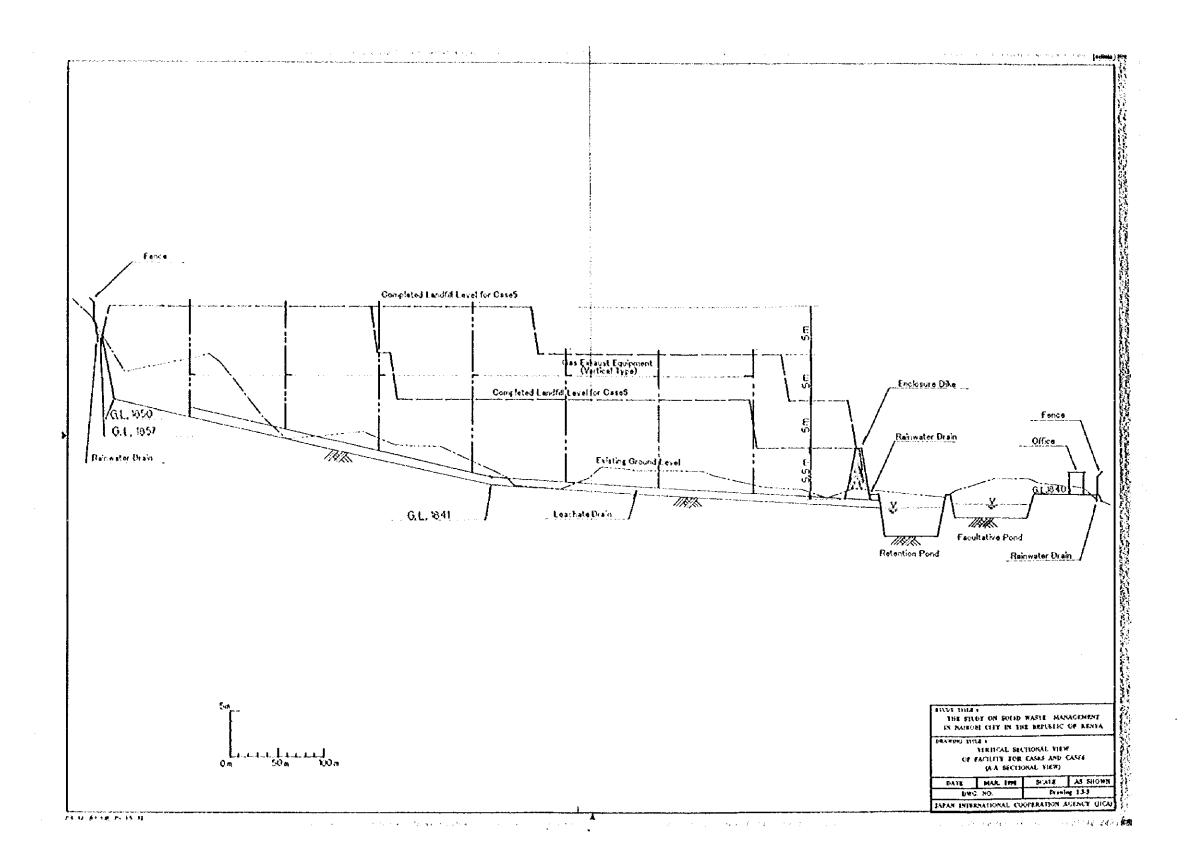


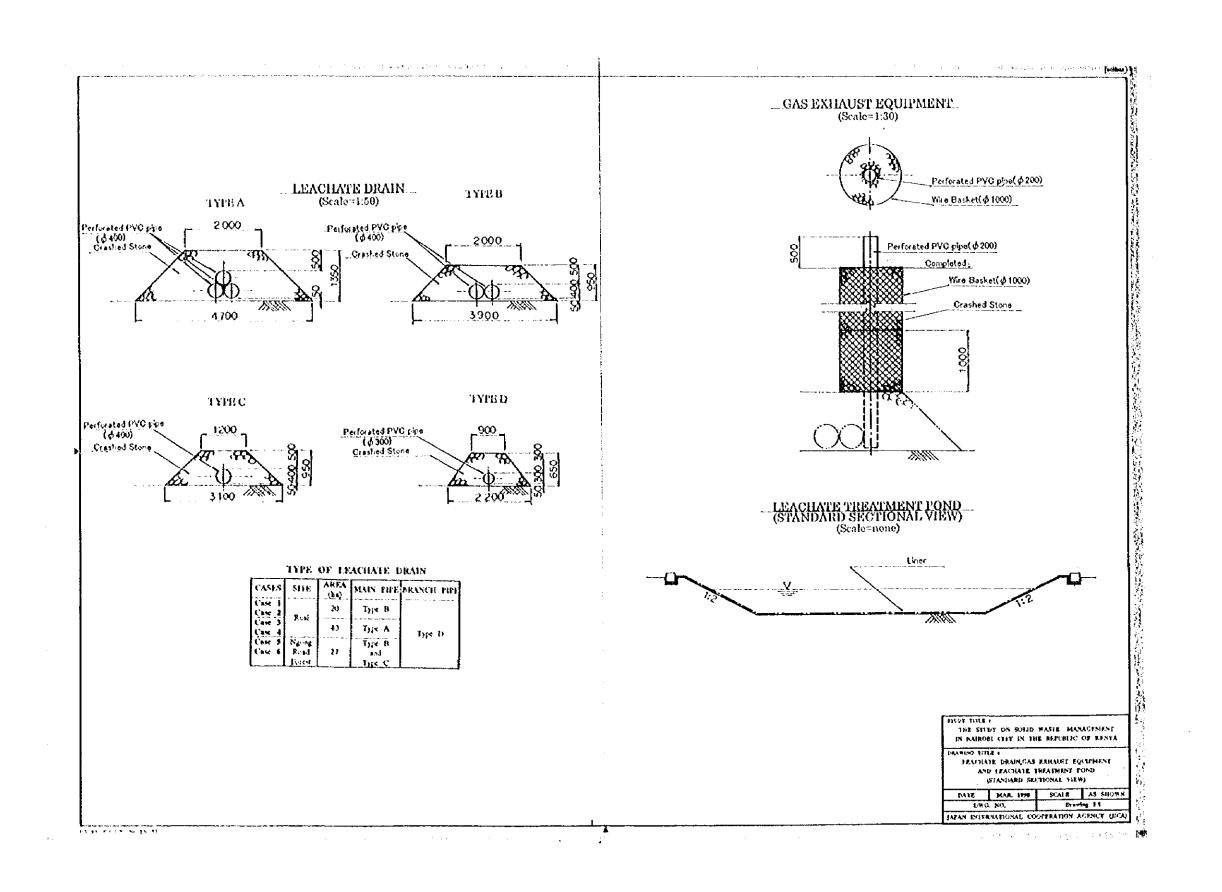


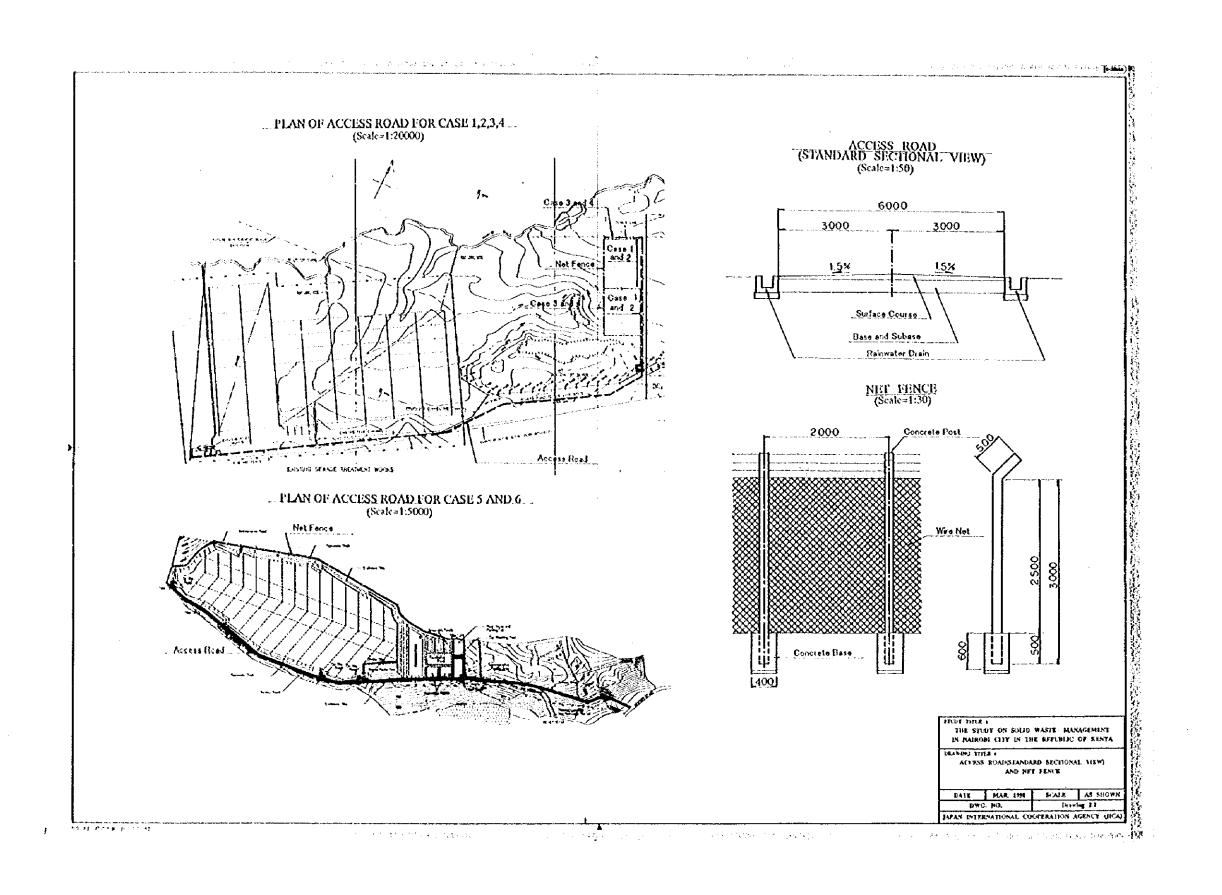


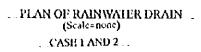


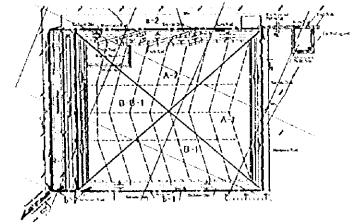




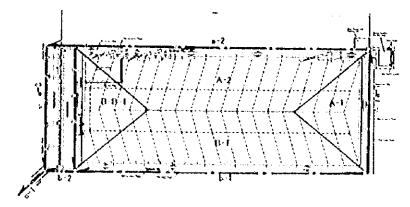




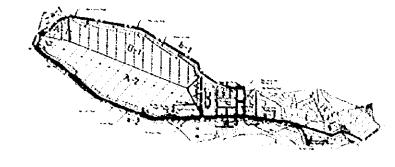




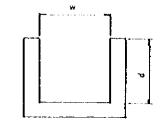
CASE J AND 4



CASE 5 AND 6



RAINWATER DRAIN (STANDARD SECTIONAL VIEW) (Scale=none)



DRAINAGE AREA AND CHANNEL LENGTH

CASES	CANNEL SECTION	DRAINAGE AREA	न (छाता)	d (am)	SLOPE	
		(A·1)	200	600	0.002	l
i	1.3	A-(A-1)-(A-2)	800	800	0.00	ı
Case 1	1 23	Α	1,400	1,400	0.0001	ı
	(b)	(8.1)	600	500	0.0051	ı
Case 1	561	(8·B·1)	1,200	900	0.0001	ı
	b 2	P (8-1) (B 8-1)	1,400	1,400	0.0001	ı
	c-1	A+B	1,500	1,500	0 0015	ı
	b-1	(A·I)	800	800	0.002	ı
	3.2	A+(A-1)+(A-2)	1,200	900	0.0015	ı
Case 3	4.3	Α	2,100	1,400	0.0001	ı
	ЬI	(8-1)	800	800	0.0025	ı
t'acc 4	b b1	(B B 1)	1,600	1,200	0.0001	ı
	6-3	B= (B-1)+(B-B-1)	2,200	1,400	0.0001	ı
	c·I	A(B	2,200	1,500	0.0016	ı
	1	<u>_</u> _ <u></u> \.	700	((1)	0.0001	ı
•	. 2	A-(A-1)+(A-7)	700	600	0.019	ı
Case 5	1.1	(A-A-3)	700	600	0.0001	ı
1	2.3	A' ×Λ1(A A 1)	2,000	1,400	0.0001	ı
Cate 6	b-1	(B-1)	700	600	0.02	ı
	6.2	(B-1)	2,200	1,400	0.0001	ı
l	6.1	A*+(8-1)	1,500	1,500	0.0333	l

FROM THEM .

THE STRUCT ON SOUD WASTE MANAGEMENT
IN NAIROBE STEET IN THE REPUBLIC OF RENYA 1848196 2218 I

RAINWATER BRAIN

DATE	MAR 1998	SIAIS	AS SHOP
DAC	NO.	Dr awi	ng 23
JAPAN INITE	Sanosat, co	CITERATION A	CENCY UIC

ANIL