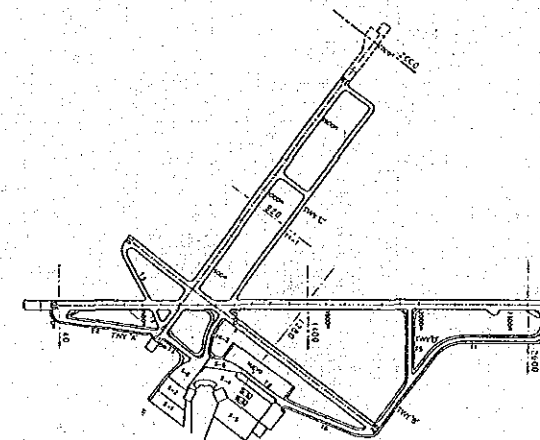
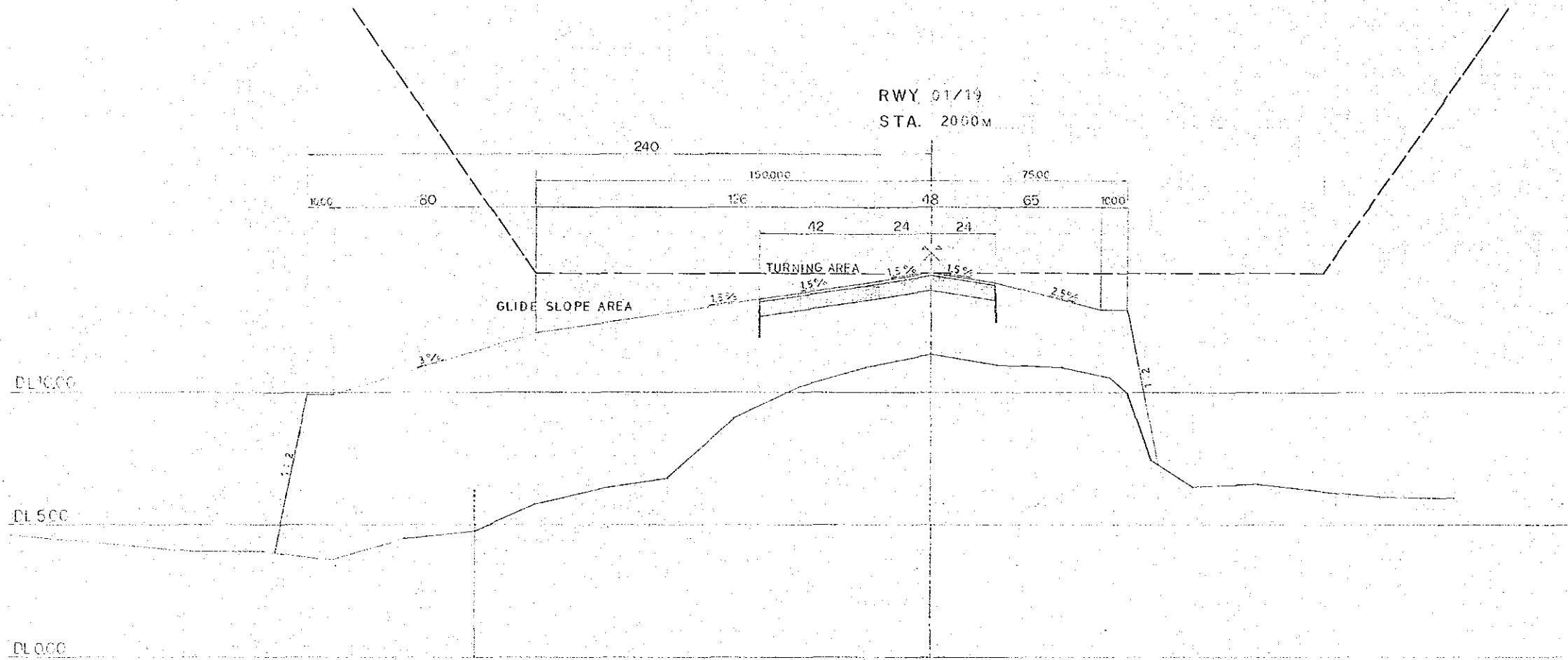


TYPICAL CROSS SECTION






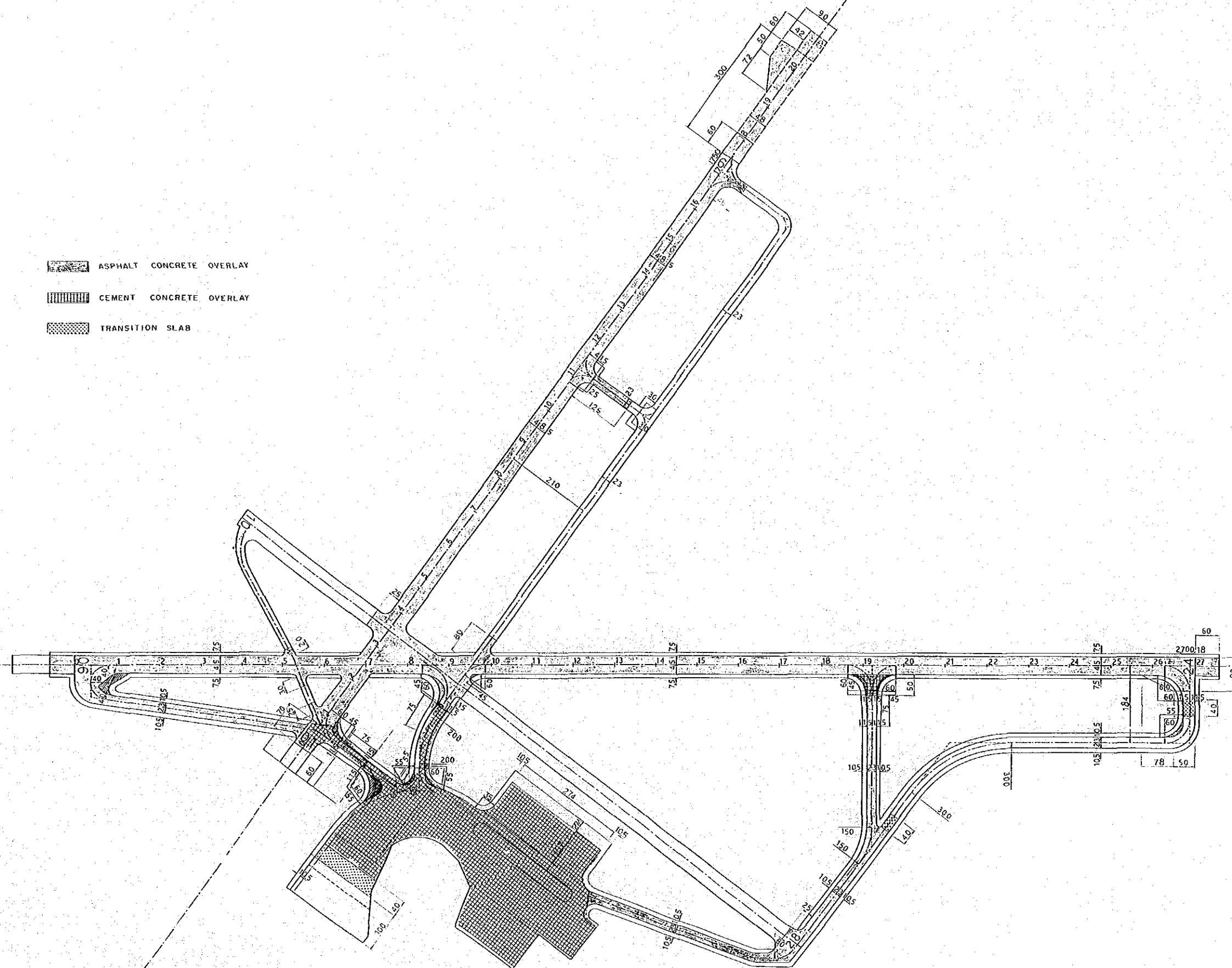
THE STUDY ON THE DEVELOPMENT PLAN
OF
THE INTERNATIONAL AIRPORT OF CARRASCO
IN
THE ORIENTAL REPUBLIC OF URUGUAY

TYPICAL CROSS SECTION
RWY 01/19 STA. 2000 m

SCALE: V = 1/100
H = 1/1,000 No. 12 MAR. 1990

JAPAN INTERNATIONAL COOPERATION AGENCY.
(JICA)

-  ASPHALT CONCRETE OVERLAY
-  CEMENT CONCRETE OVERLAY
-  TRANSITION SLAB








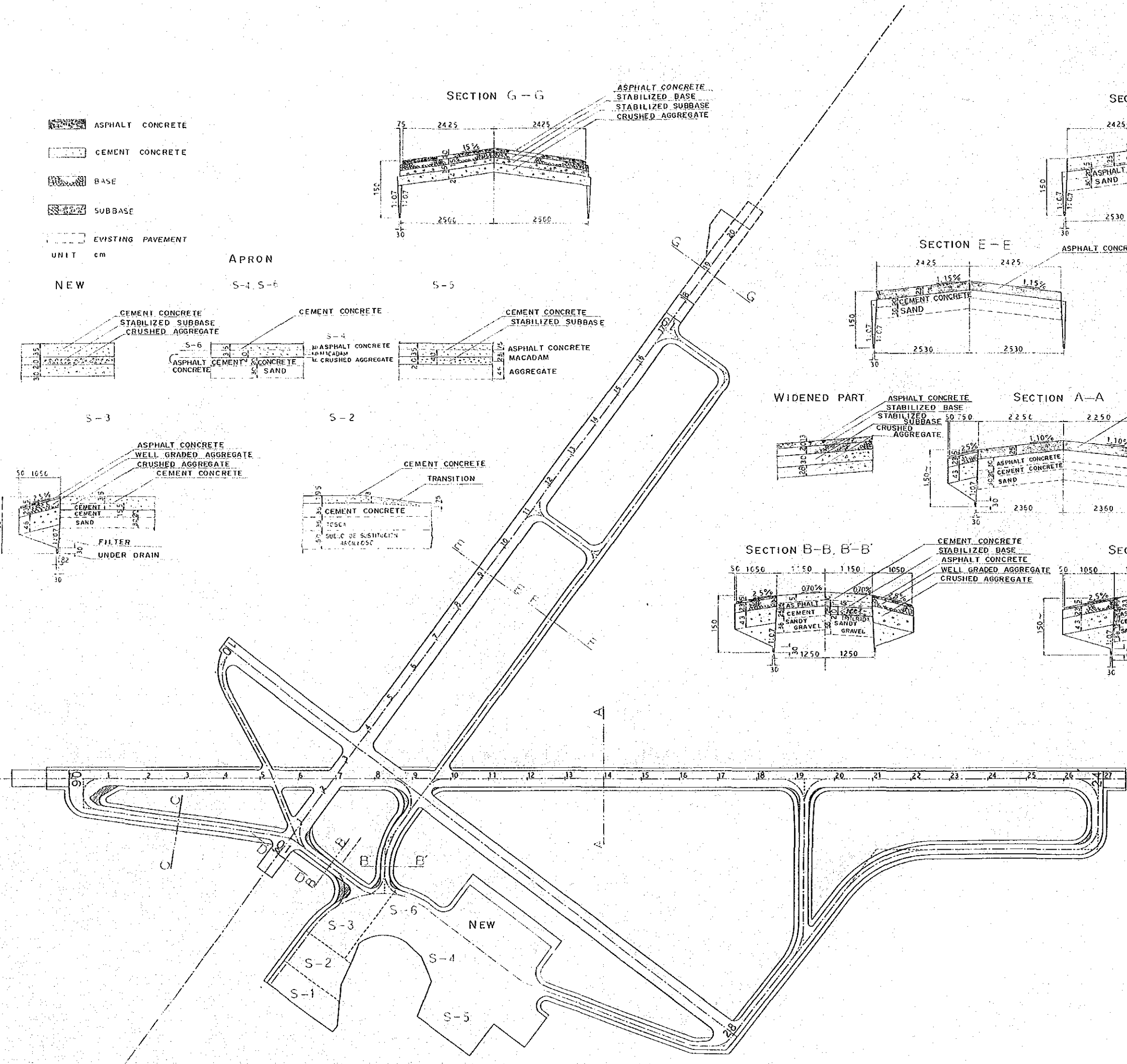
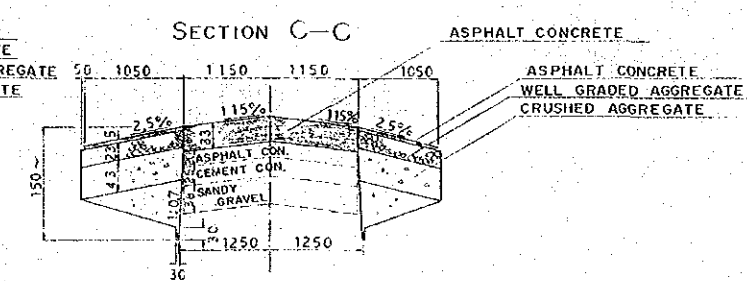
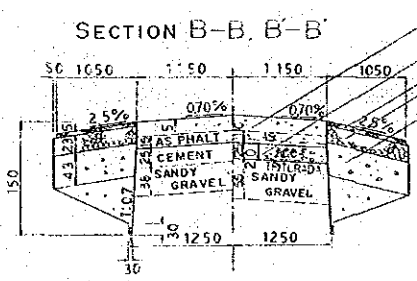
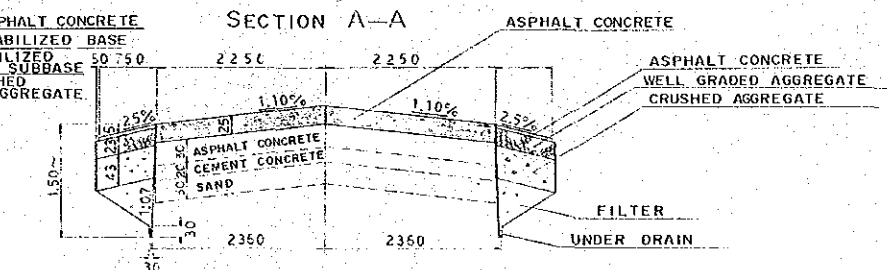
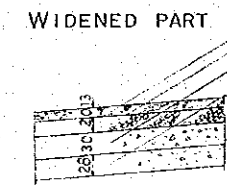
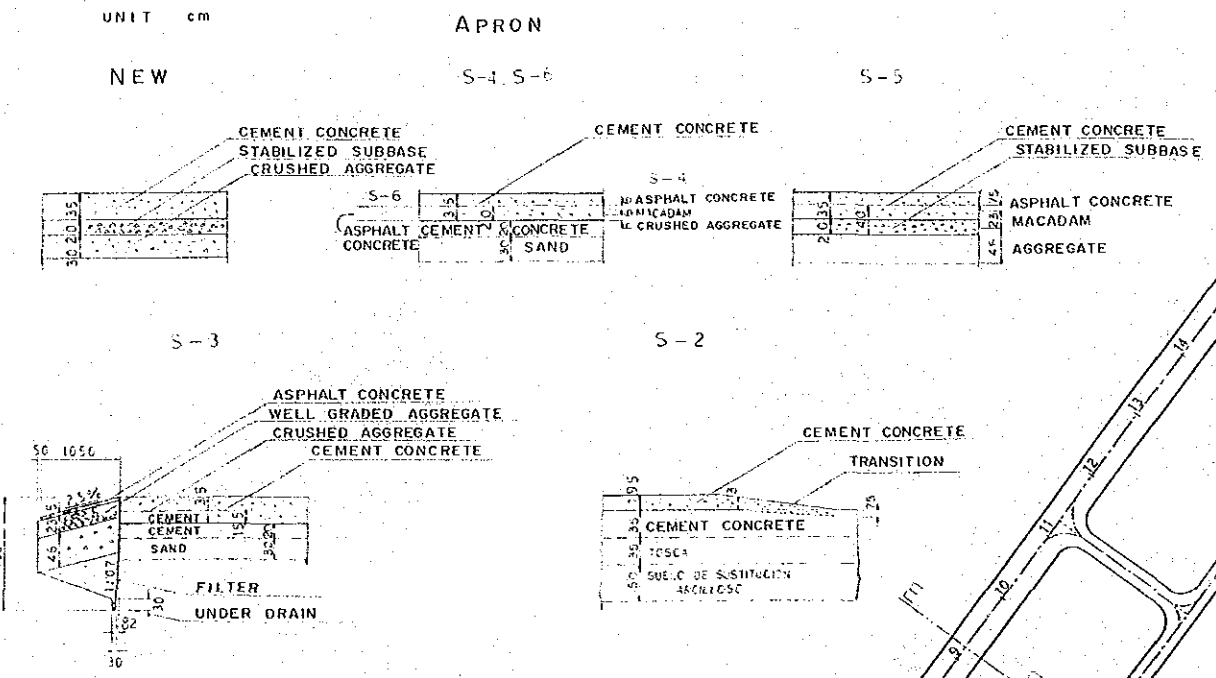
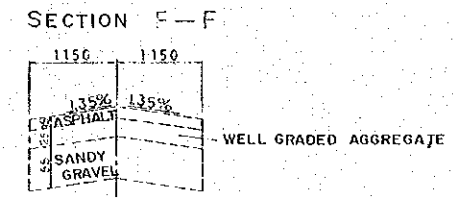
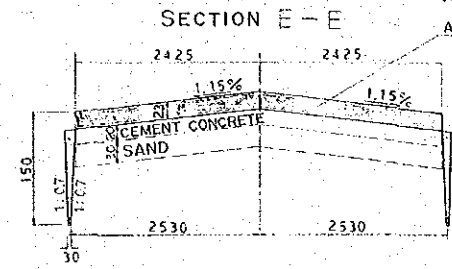
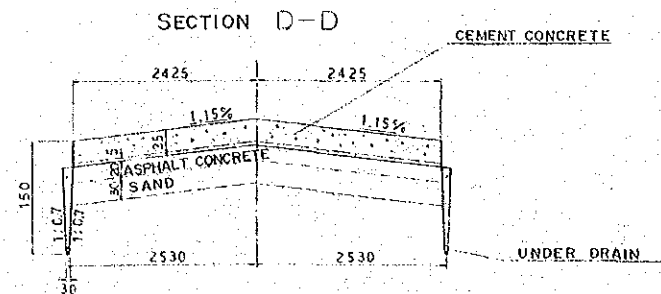
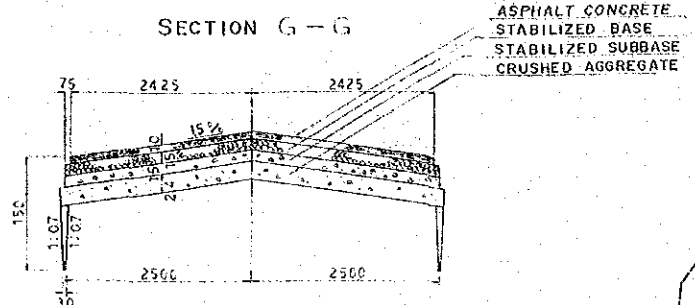
THE STUDY ON THE DEVELOPMENT PLAN
 OF
 THE INTERNATIONAL AIRPORT OF CARRASCO
 IN
 THE ORIENTAL REPUBLIC OF URUGUAY

IMPROVEMNT MEASURE
 OF PAVEMENT

SCALE: 1/5 000 No. 13 MAR 1990

JAPAN INTERNATIONAL COOPERATION AGENCY
 (JICA)

-  ASPHALT CONCRETE
 -  CEMENT CONCRETE
 -  BASE
 -  SUBBASE
 -  EXISTING PAVEMENT
- UNIT cm

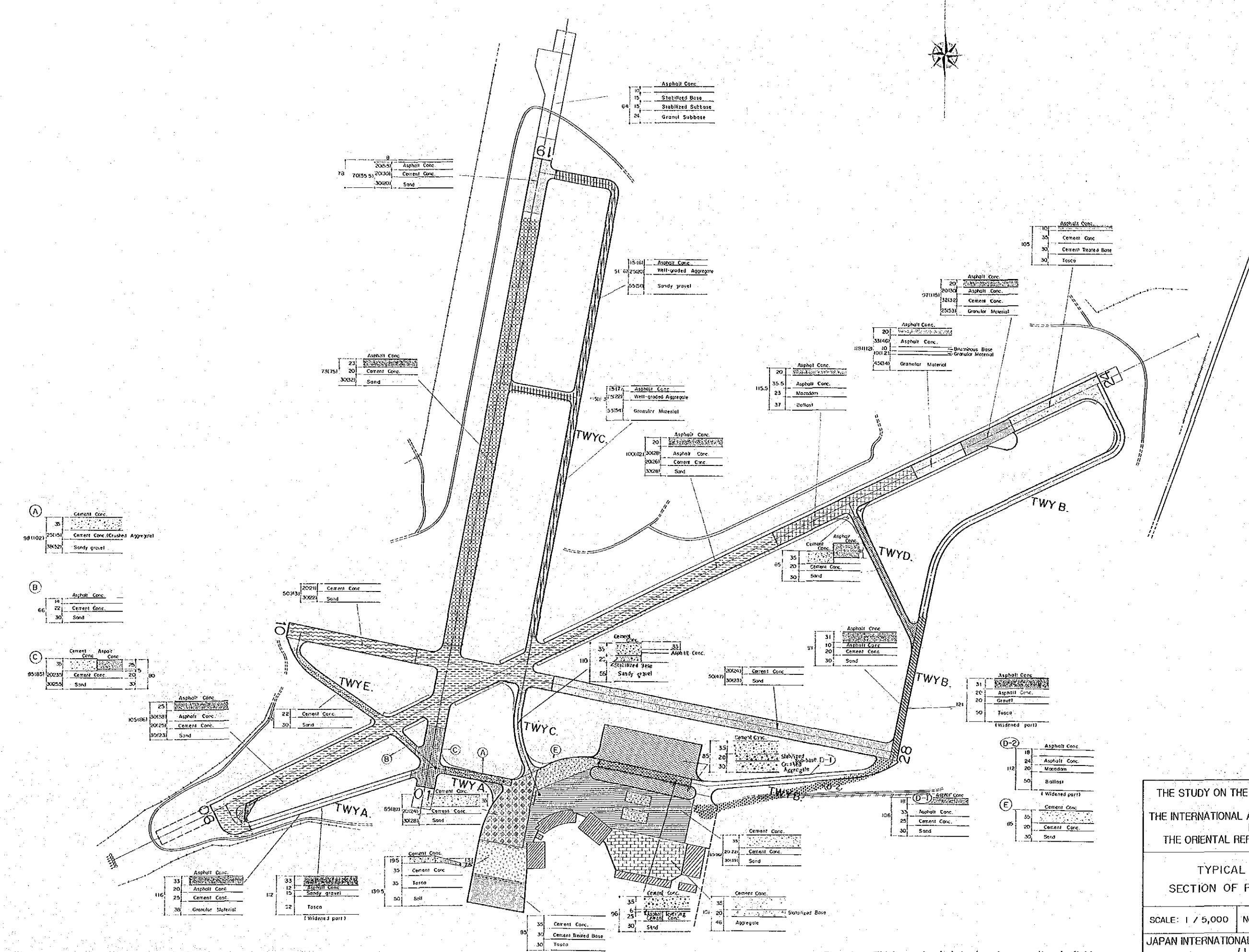


THE STUDY ON THE DEVELOPMENT PLAN
OF
THE INTERNATIONAL AIRPORT OF CARRASCO
IN
THE ORIENTAL REPUBLIC OF URUGUAY

TYPICAL CROSS SECTION OF
PAVEMENT - I

SCALE: No. 14 MAR. 1990

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)



(A)

35	Cement Conc.
25	Cement Conc. (Crushed Aggregate)
30	Sandy gravel

(B)

14	Asphalt Conc.
22	Cement Conc.
30	Sand

(C)

35	Cement Conc.
25	Cement Conc.
30	Sand

25	Asphalt Conc.
30	Asphalt Conc.
20	Cement Conc.
30	Sand

33	Asphalt Conc.
20	Asphalt Conc.
25	Cement Conc.
30	Granular Material

33	Asphalt Conc.
12	Sandy gravel
12	Tosca

(Widened part)

19.5	Cement Conc.
35	Cement Conc.
35	Tosca
50	Soil

35	Cement Conc.
30	Cement Treated Base
30	Tosca

10	Asphalt Conc.
15	Stabilized Base
15	Stabilized Subbase
24	Granul Subbase

20	Asphalt Conc.
20	Cement Conc.
30	Sand

15	Asphalt Conc.
51	Well-graded Aggregate
55	Sandy gravel

23	Asphalt Conc.
20	Cement Conc.
30	Sand

15	Asphalt Conc.
35	Well-graded Aggregate
55	Granular Material

20	Asphalt Conc.
30	Asphalt Conc.
30	Cement Conc.
30	Sand

20	Asphalt Conc.
35.5	Asphalt Conc.
23	Macadam
37	Gravel

20	Asphalt Conc.
35	Asphalt Conc.
10	Bluminous Base
10	Granular Material

10	Asphalt Conc.
35	Cement Conc.
30	Cement Treated Base
30	Tosca

20	Asphalt Conc.
30	Asphalt Conc.
30	Cement Conc.
30	Granular Material

20	Asphalt Conc.
35	Asphalt Conc.
10	Bluminous Base
10	Granular Material

35	Asphalt Conc.
20	Cement Conc.
30	Sand

31	Asphalt Conc.
10	Asphalt Conc.
20	Cement Conc.
30	Sand

31	Asphalt Conc.
20	Asphalt Conc.
20	Gravel
50	Tosca

(Widened part)

(D-2)

18	Asphalt Conc.
24	Asphalt Conc.
20	Macadam
50	Ballast

(Widened part)

(E)

35	Cement Conc.
25	Cement Conc.
30	Sand

THE STUDY ON THE DEVELOPMENT PLAN
OF
THE INTERNATIONAL AIRPORT OF CARRASCO
IN
THE ORIENTAL REPUBLIC OF URUGUAY

TYPICAL CROSS
SECTION OF PAVEMENT - 2

SCALE: 1 / 5,000 No. 15 MAR. 1990

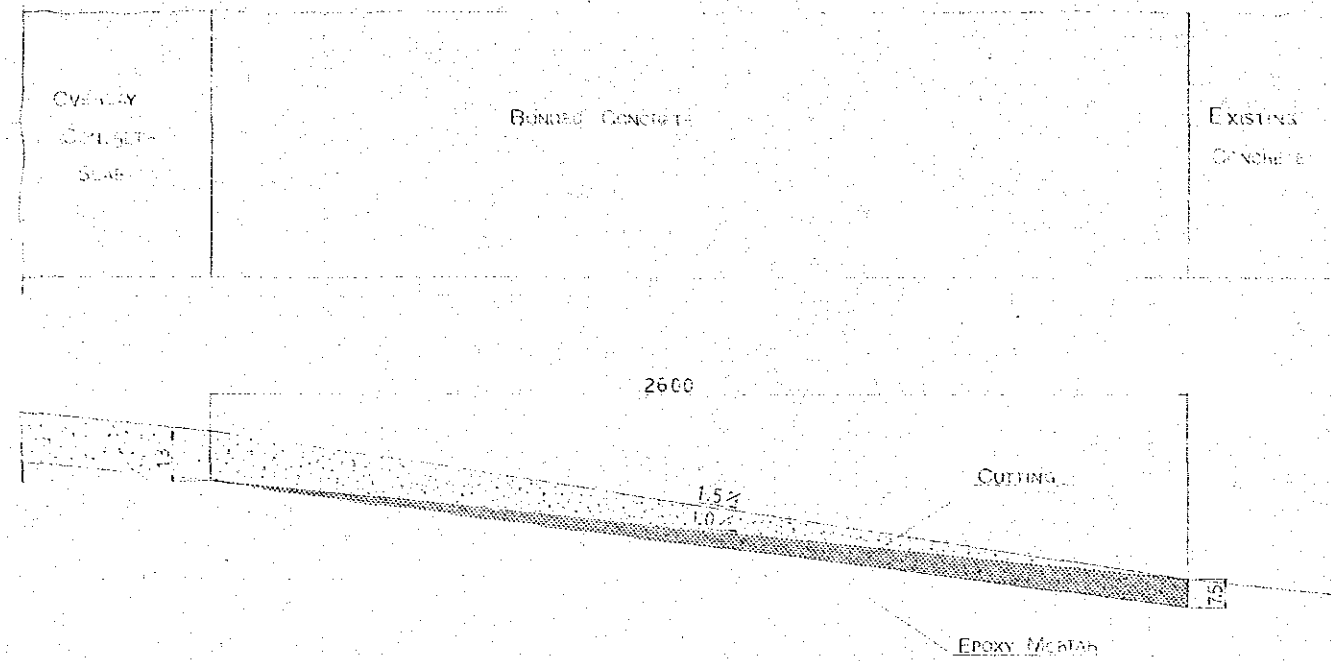
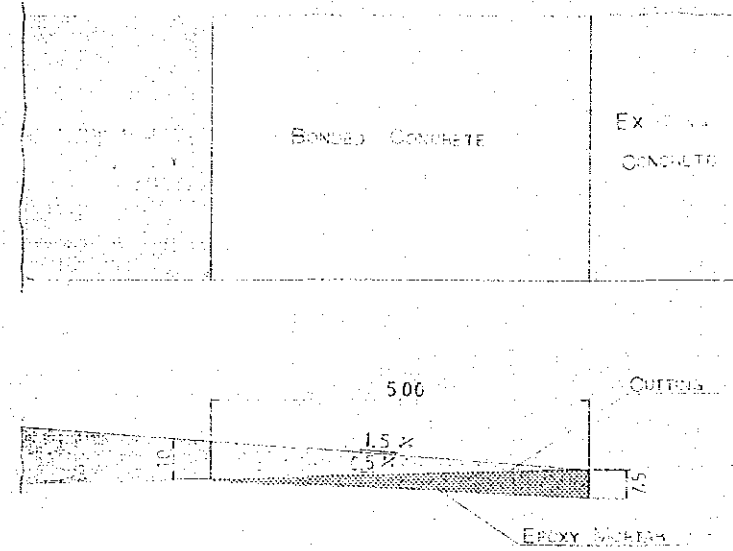
JAPAN INTERNATIONAL COOPERATION AGENCY
(JICA)

Remarks: Thickness in () is based on results of field surveys.

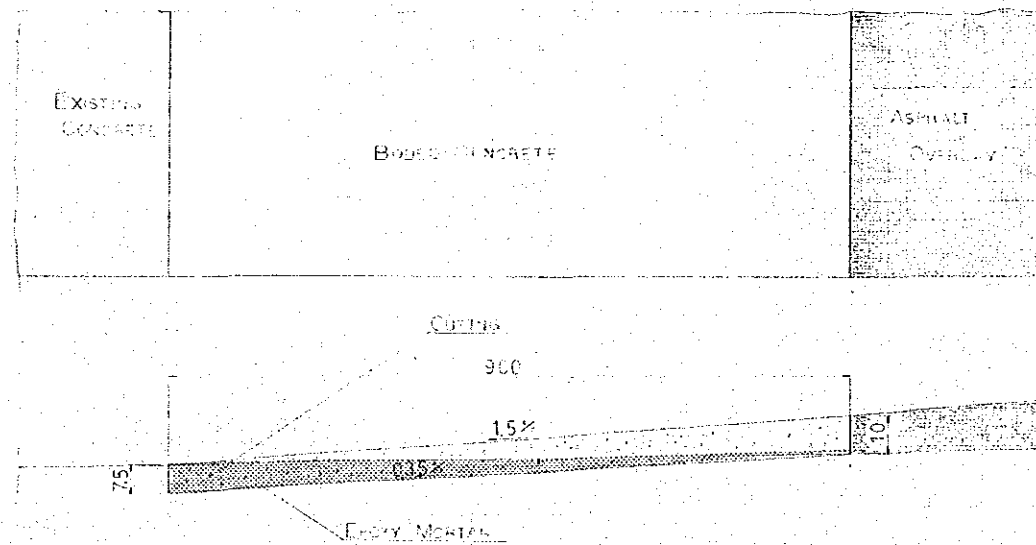
TRANSITION FOR EXISTING CONCRETE SLAB

APRON S-2 TRANSITION S¹ H=1/100 V=1/10

I/W B. NO.12+60~NO.13 TRANSITION S¹ H=1/50 V=1/10

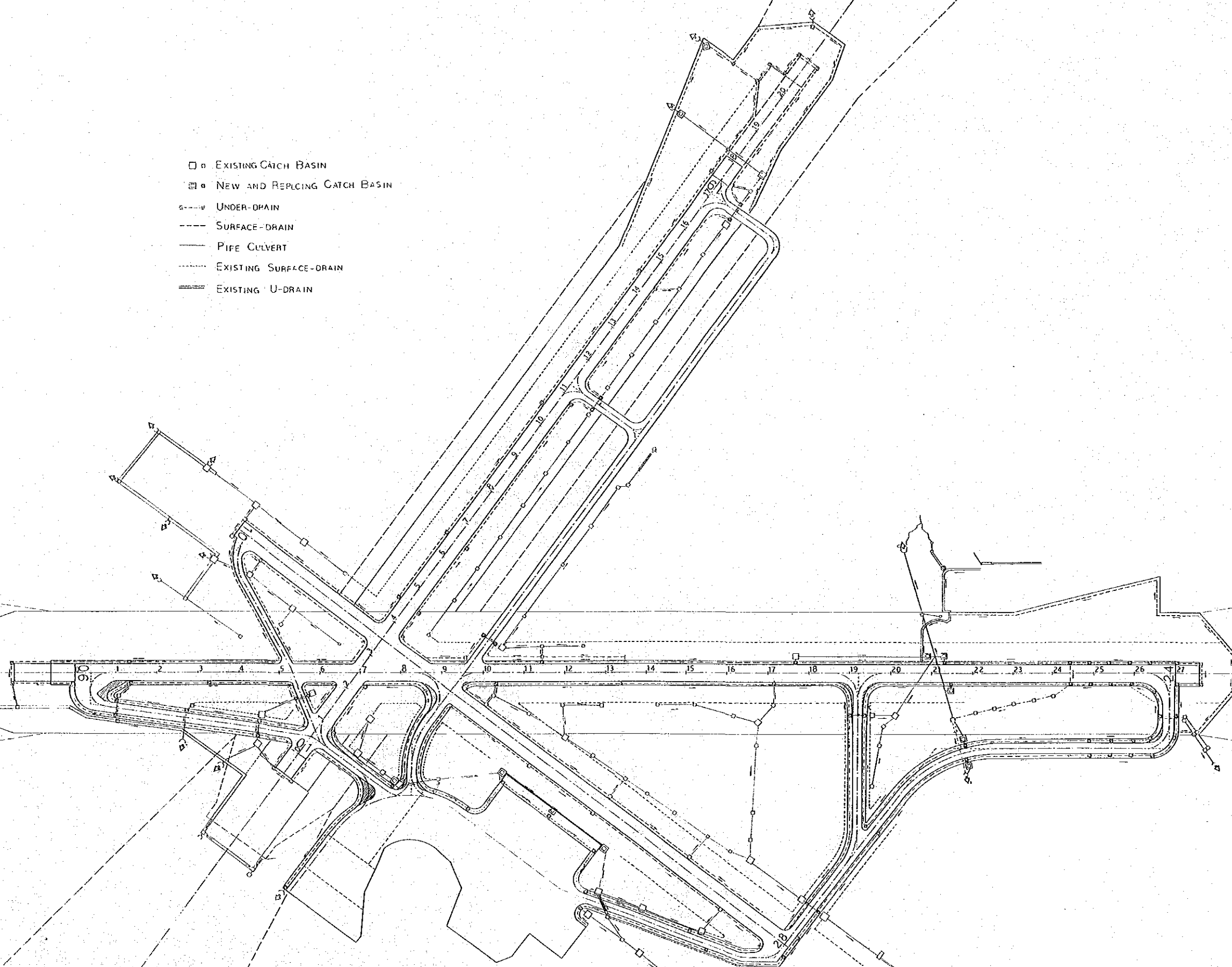


I/W B. NO.21+10~80 TRANSITION S¹ H=1/50 V=1/10



THE STUDY ON THE DEVELOPMENT PLAN OF THE INTERNATIONAL AIRPORT OF CARRASCO IN THE ORIENTAL REPUBLIC OF URUGUAY		
TRANSITION FOR EXISTING CONCRETE SLAB		
SCALE: As shown	No. 16	MAR. 1990.
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)		

- □ EXISTING CATCH BASIN
- ■ NEW AND REPLACING CATCH BASIN
- UNDER-DRAIN
- - - SURFACE-DRAIN
- PIPE CULVERT
- · · · · EXISTING SURFACE-DRAIN
- ==== EXISTING U-DRAIN

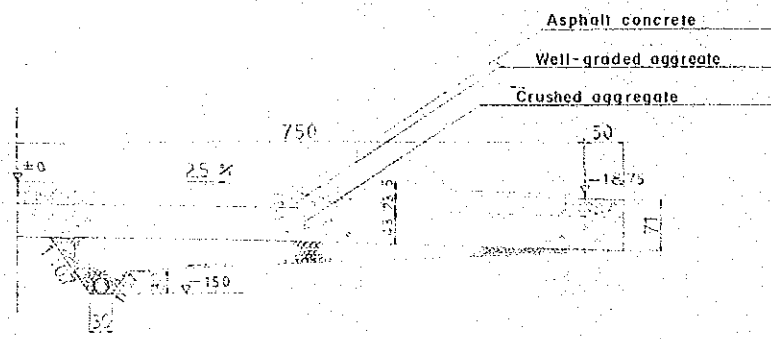


THE STUDY ON THE DEVELOPMENT PLAN
 OF
 THE INTERNATIONAL AIRPORT OF CARRASCO
 IN
 THE ORIENTAL REPUBLIC OF URUGUAY

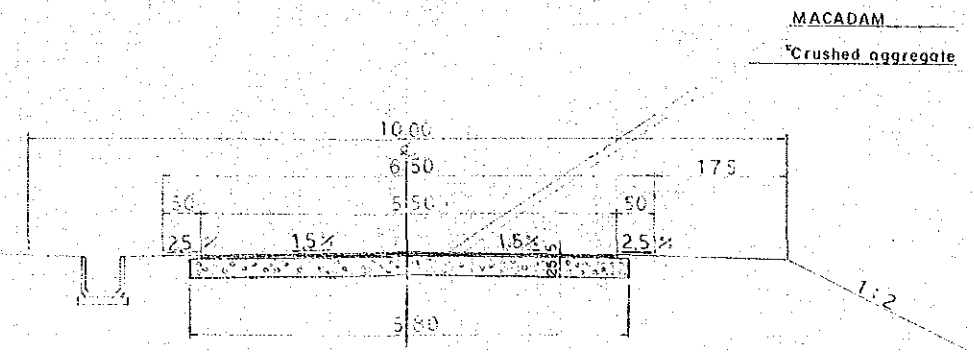
DRAINAGE

SCALE: 1 / 5 000	No. 17	MAR. 1990
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)		

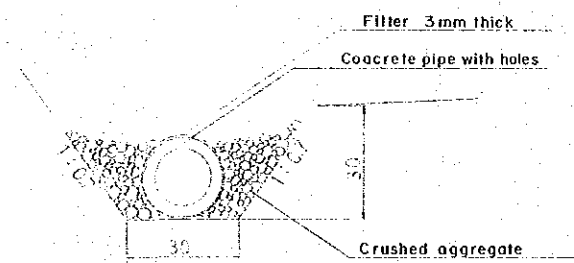
P/W C/24 T/W A,B,C-2,3 STRUCTURE S=1/50



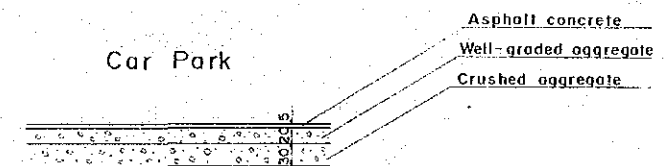
Perimeter Road S=1/50



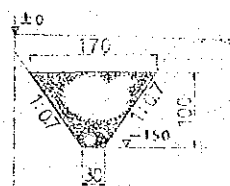
UNDERDRAIN DETAIL S=1/10



Car Park



P/W 01/19 T/W C-1 UNDERDRAIN S=1/50



THE STUDY ON THE DEVELOPMENT PLAN
OF
THE INTERNATIONAL AIRPORT OF CARRASCO
IN
THE ORIENTAL REPUBLIC OF URUGUAY

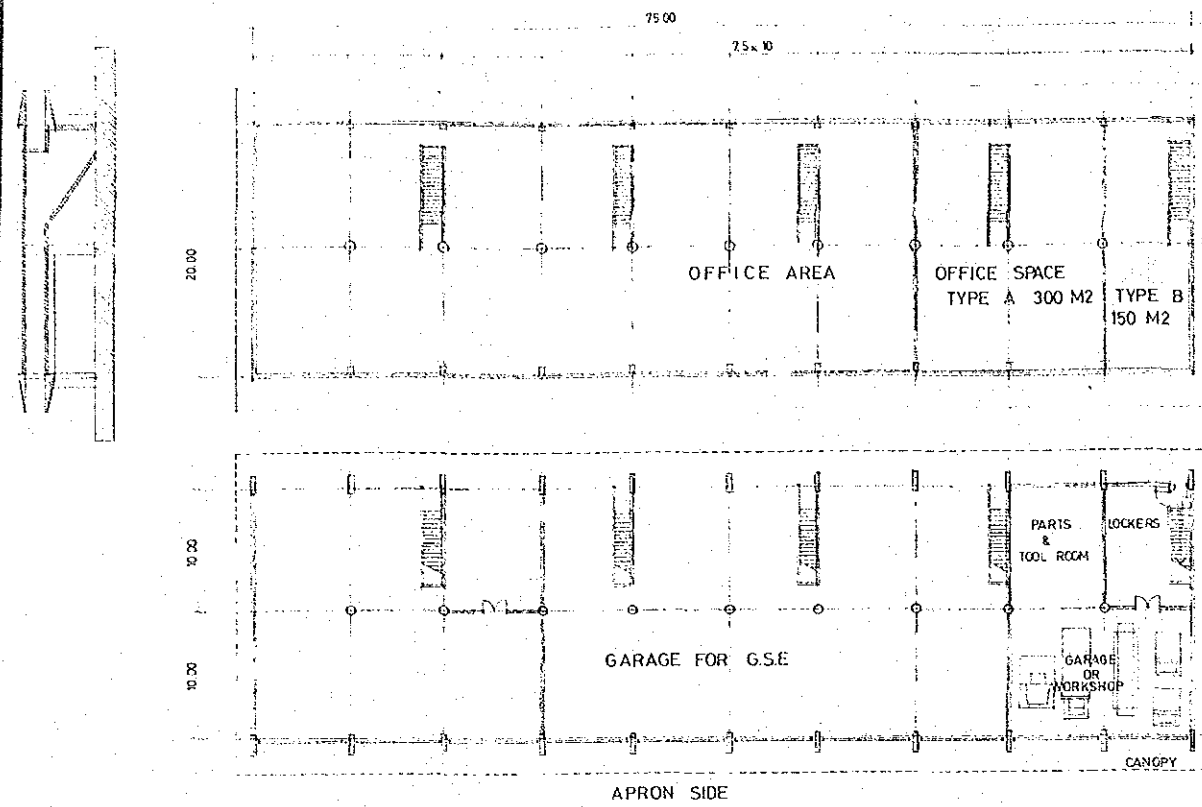
MISCELLANEOUS WORK

SCALE: As shown No. 18 MAR. 1990

JAPAN INTERNATIONAL COOPERATION AGENCY
(JICA)

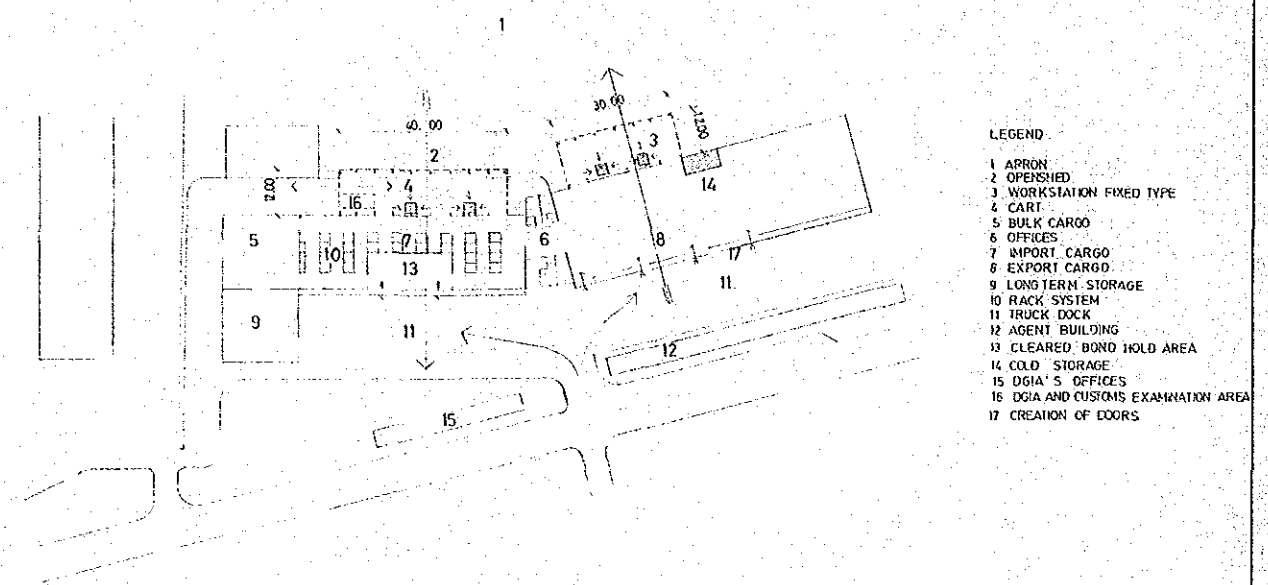
G.S.E Building

scale : 1/300



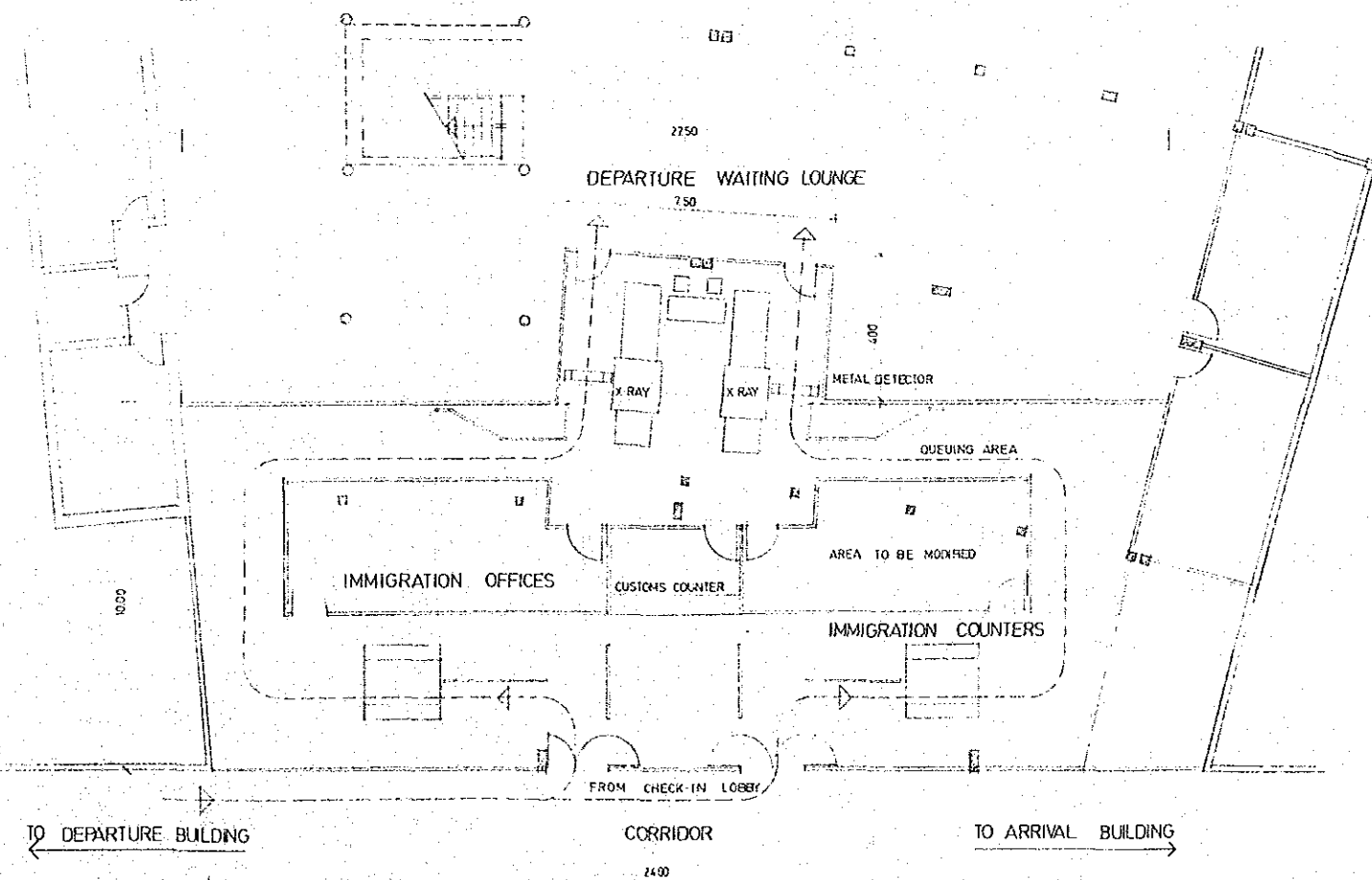
CARGO HANDLING FACILITIES

scale 1/1000



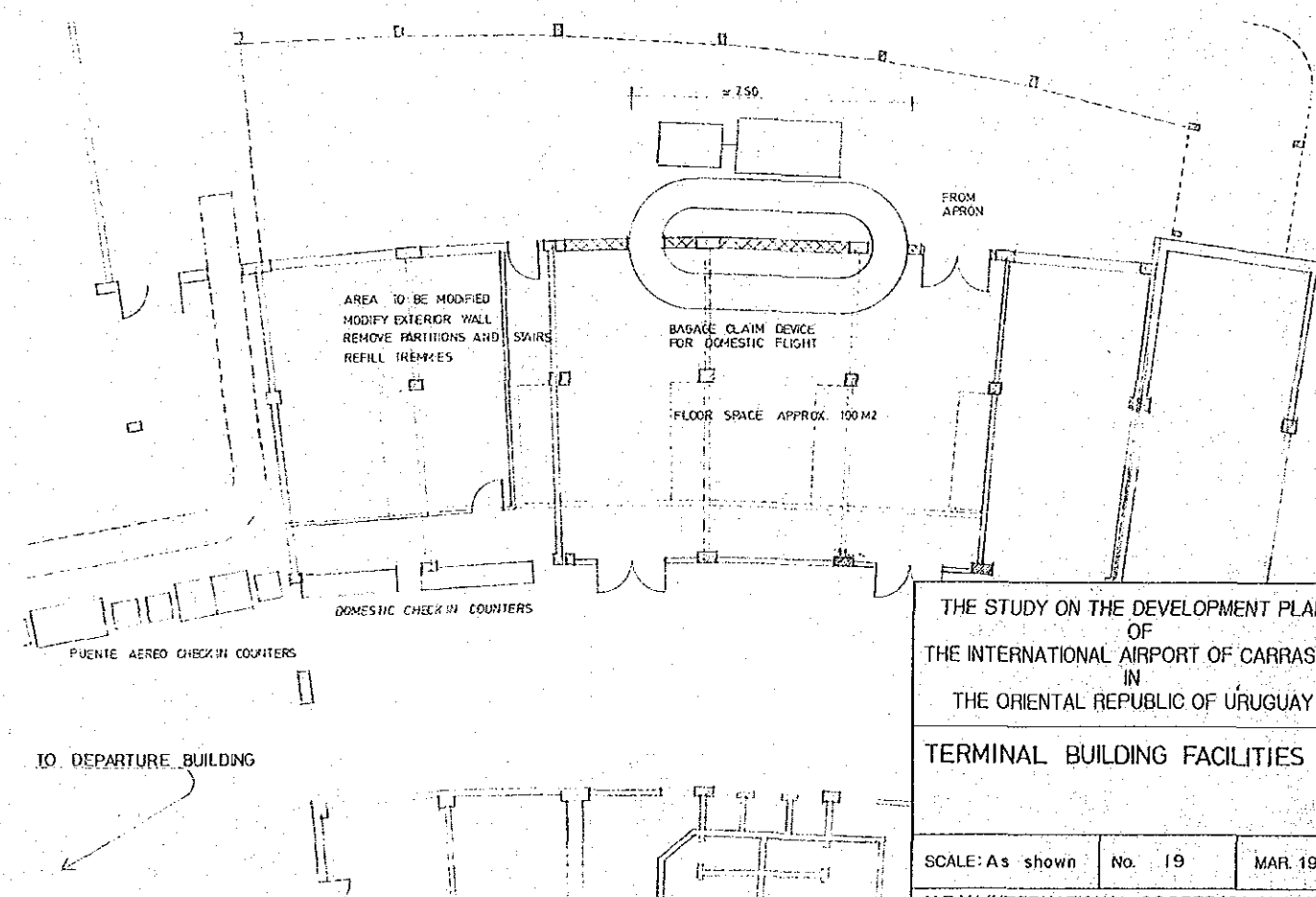
MODIFICATION OF CENTRAL BUILDING (X-Ray, Metal detector installation)

scale 1/100



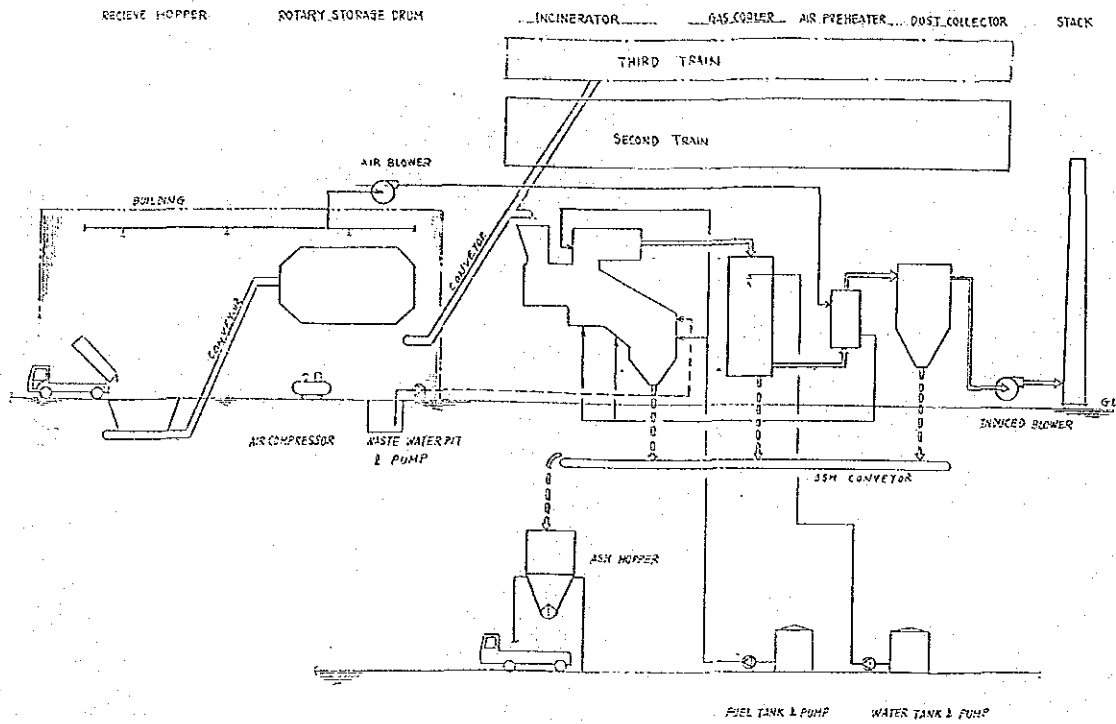
BAGGAGE CLAIM FOR DOMESTIC PASSENGERS

scale 1/100



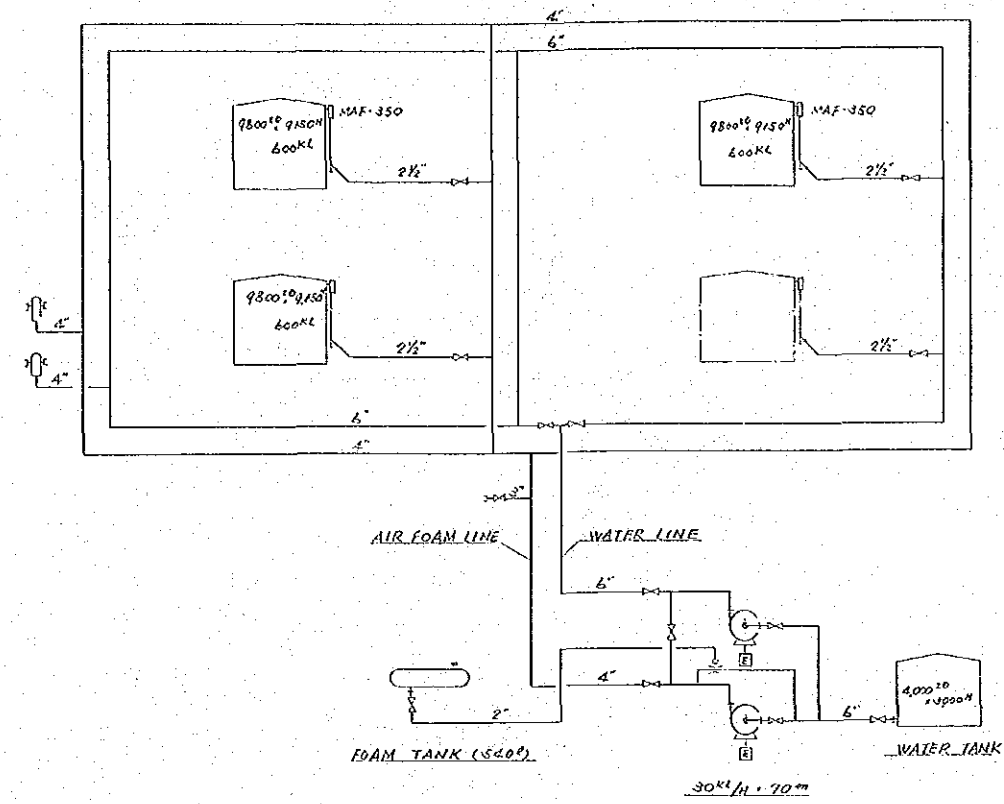
THE STUDY ON THE DEVELOPMENT PLAN
OF
THE INTERNATIONAL AIRPORT OF CARRASCO
IN
THE ORIENTAL REPUBLIC OF URUGUAY
TERMINAL BUILDING FACILITIES
SCALE: As shown No. 19 MAR. 1990
JAPAN INTERNATIONAL COOPERATION AGENCY
(JICA)

SYSTEM FLOW FOR GARBAGE HANDLING FACILITY



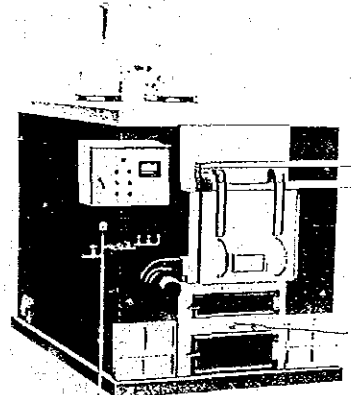
Incineration Capacity :
5 ton/day x 3-trains
Operation Time :
8 hr /day daytime operation

FIRE FIGHTING FLOW



EXAMPLE OF INCINERATOR

Hot water can be obtained by making use of excess heat produced through incineration and supplied at any desired temperature by the water circulating device equipped with this incinerator.



Experimental Data of the Dust

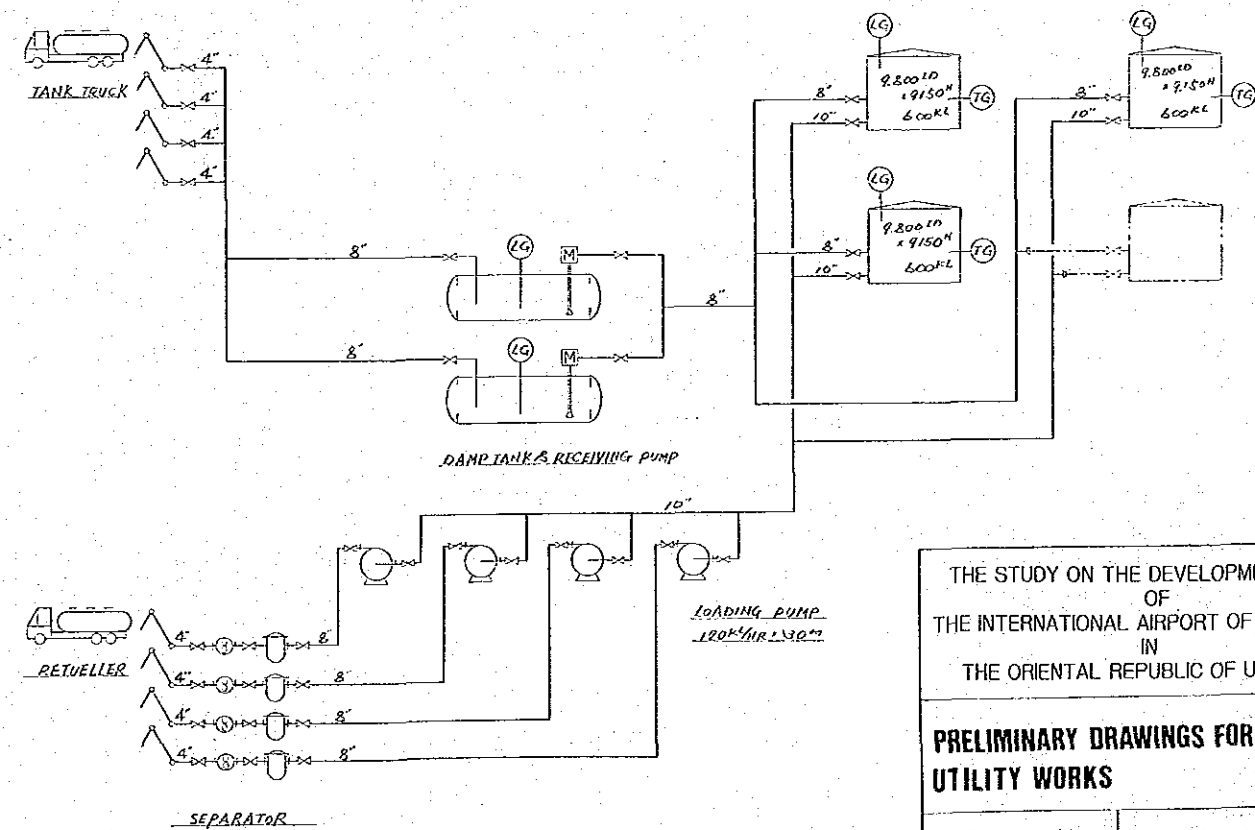
Incinerator, Experimental Incineration in Shuang Factory, SGH-1100
Date: October 2, 1979
Measured point: At the measuring hole of the stack
Combustion fuel: 42kg/h
Wastes: Hospital Wastes

Exhaust gas temperature	450°C
Exhaust gas pressure	-2.0mmAq
Exhaust gas velocity (average)	4.80m/sec
Moisture content (average)	1.76%
Exhaust gas flow	16.98m ³ /min
Exhaust gas flow	6.22Nm ³ /min
Dust density (average)	0.05g/Nm ³
Dust content	18.66g/h

Incinerator body

Part	SGH							
	100	200	300	400	500	600	700	800
Combustion capacity (kg/h)	35	52	84	114	156	208	242	374
Front	1.20	1.52	1.91	2.43				
Side	1.90	2.30	2.38	2.83	3.37	3.84		
Height	1.34	1.75	2.17					
Inverts	0.25	0.30	0.35	0.40	0.45	0.50	0.55	0.60
Height	7.25	7.24	7.73	7.71	8.29	8.28	8.34	8.33
Open door size (mm)	0.40x0.49	0.50x0.60	0.58x0.72					
Capacity (m ³)	0.71	0.93	1.15	1.56	1.47	1.90	1.98	1.99
Combustion efficiency (%)	0.79	1.02	1.72	2.33	3.20	4.22	4.95	6.21
Blower	0.75kW	0.45kW	0.75kW	1.50kW				
Feeding motor (power)	×110V	×110V	×220V	×220V				
Weight (kg)	4.20	4.80	7.80	8.90	12.6	15.0	16.5	18.5

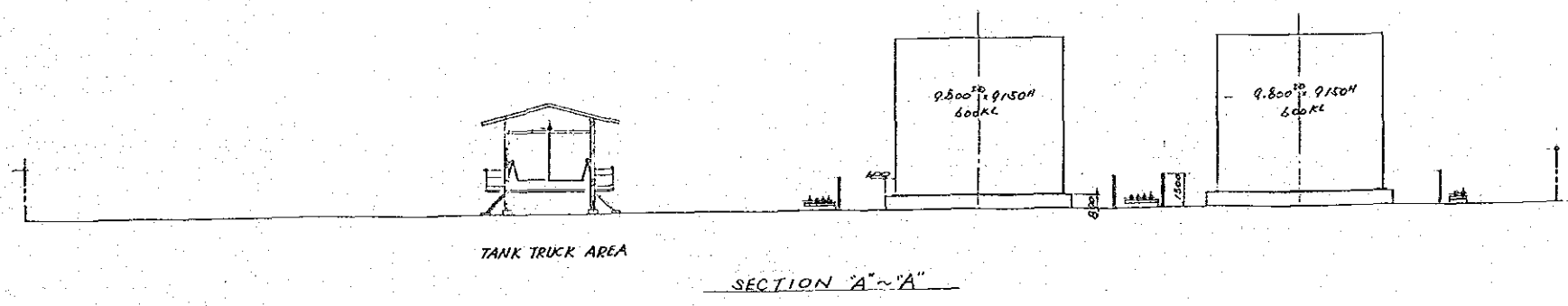
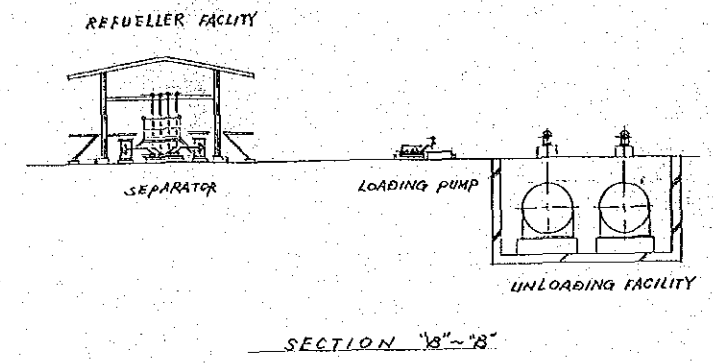
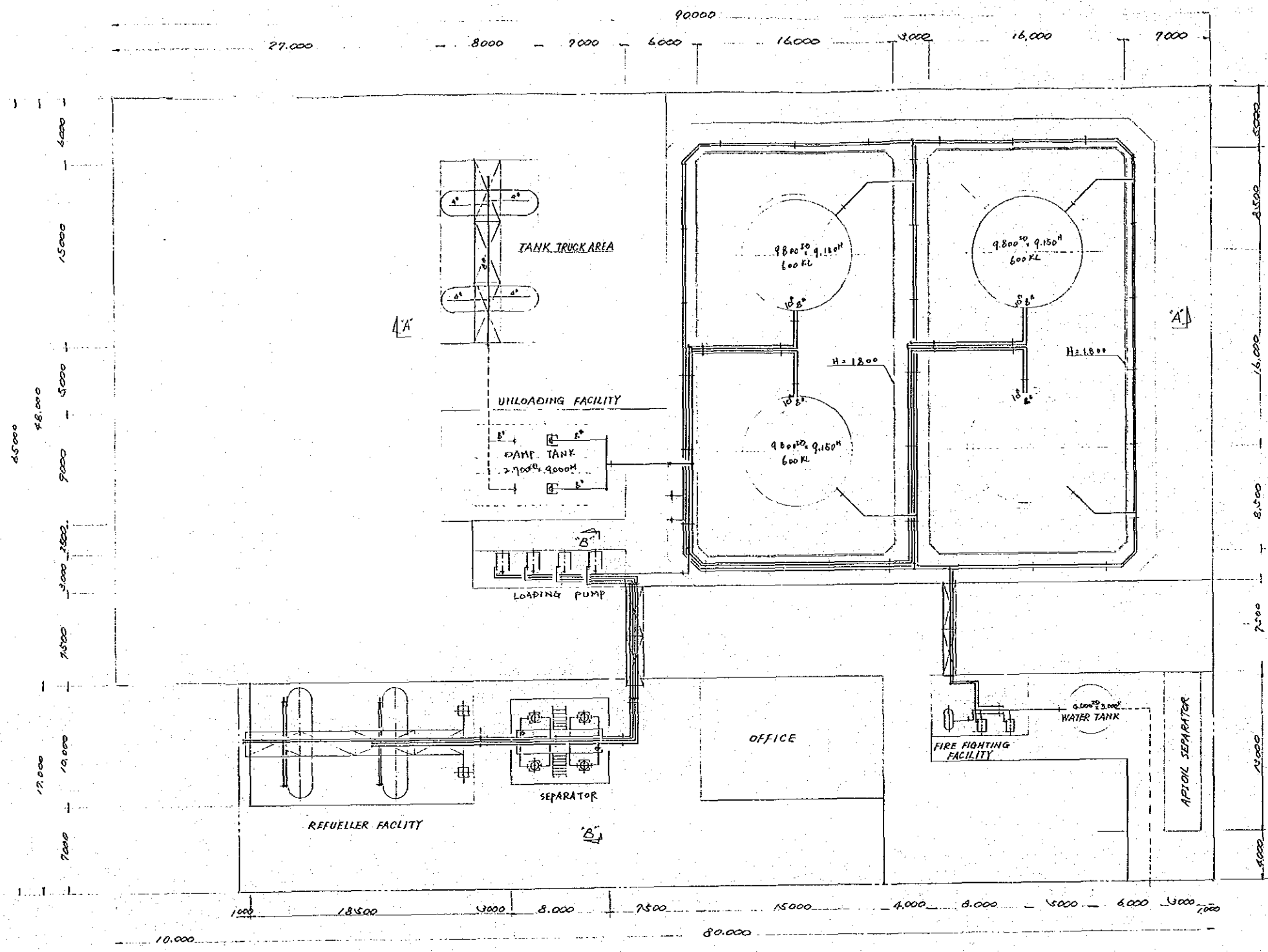
FUEL OIL FLOW



THE STUDY ON THE DEVELOPMENT PLAN OF THE INTERNATIONAL AIRPORT OF CARRASCO IN THE ORIENTAL REPUBLIC OF URUGUAY

PRELIMINARY DRAWINGS FOR PUBLIC UTILITY WORKS

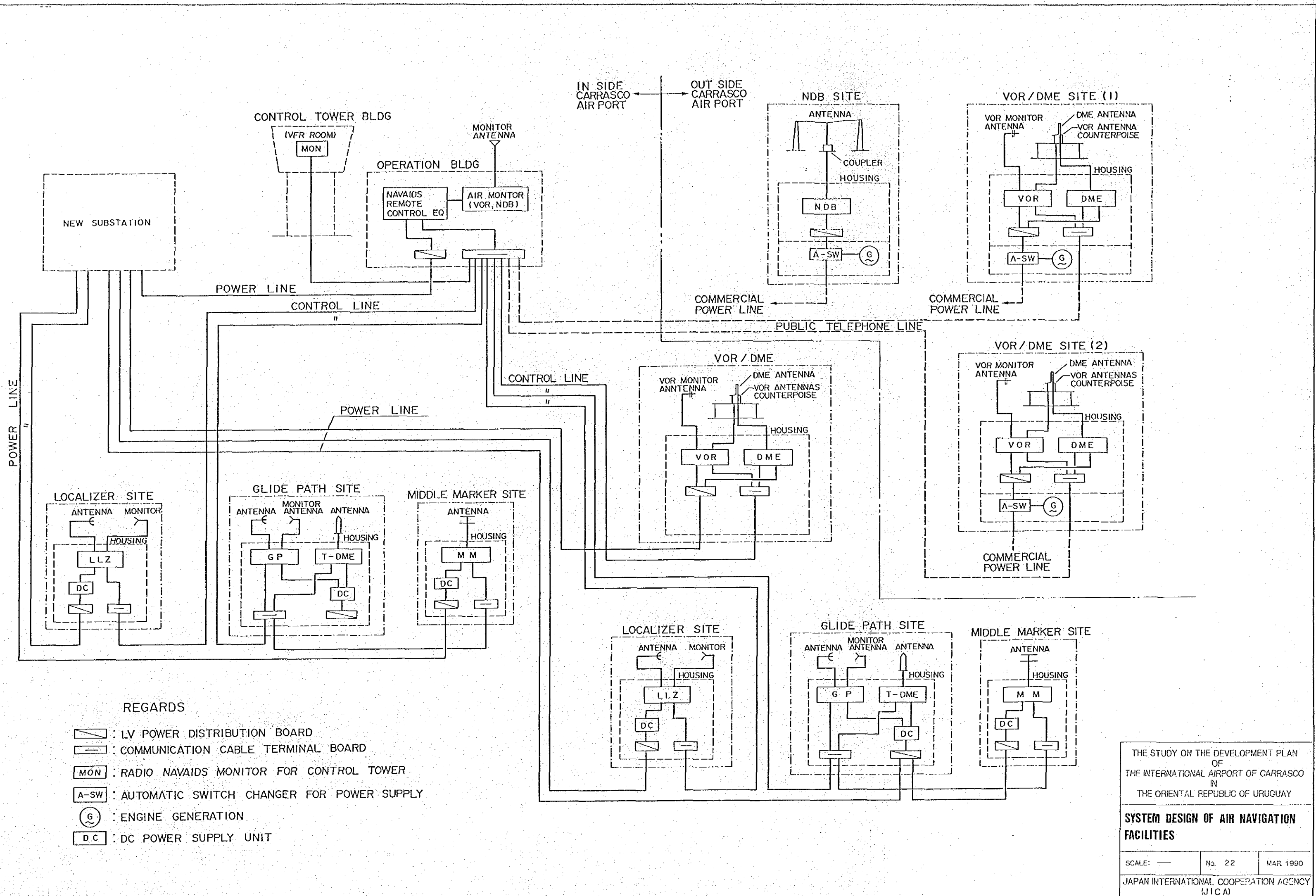
SCALE: Not to Scale No. 20 MAR. 1990
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)









THE STUDY ON THE DEVELOPMENT PLAN
OF
THE INTERNATIONAL AIRPORT OF CARRASCO
IN
THE ORIENTAL REPUBLIC OF URUGUAY

FUEL DIL FACILITY

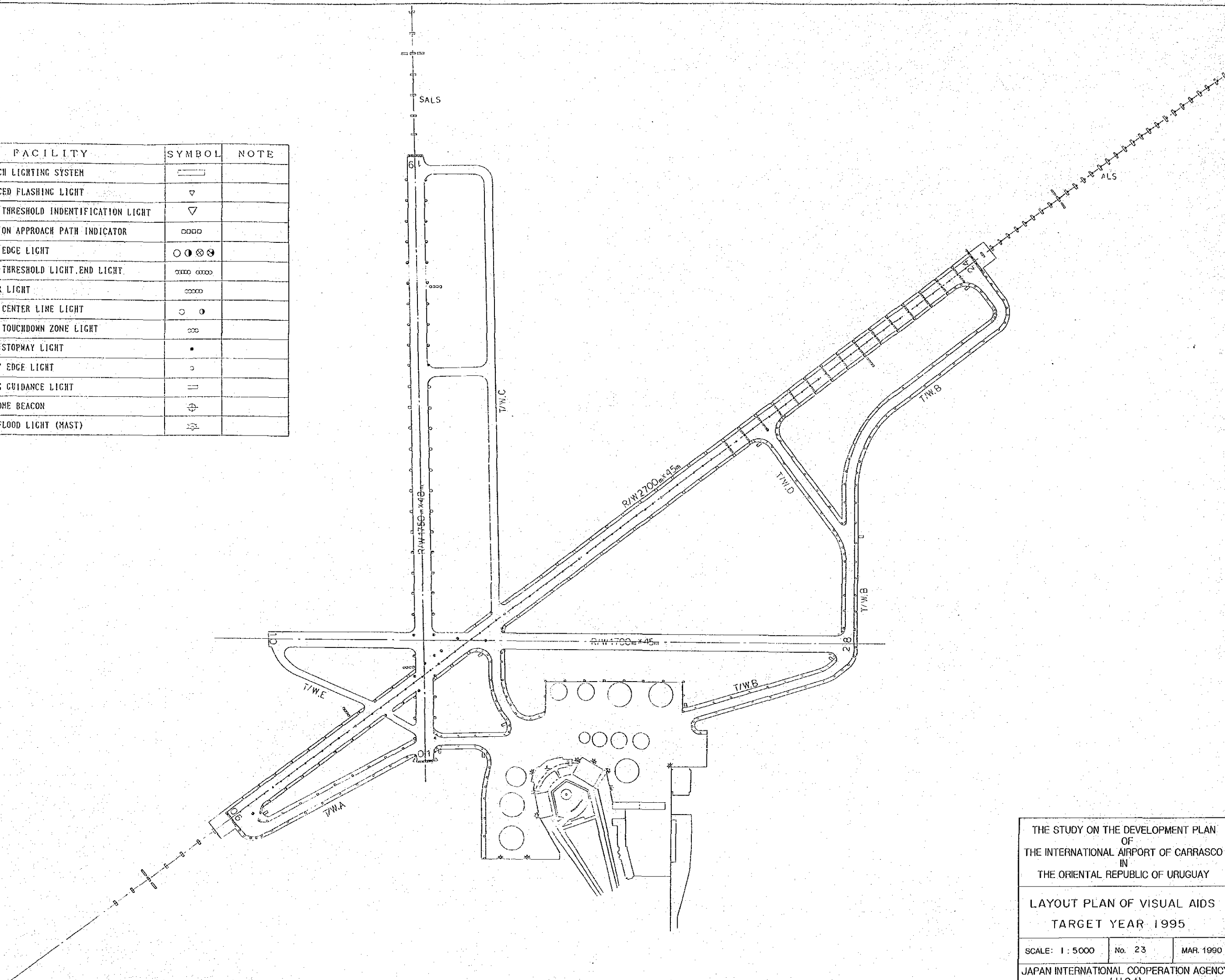
SCALE: Not to Scale.	No. 21	MAR. 1990
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)		



REGARDS

-  : LV POWER DISTRIBUTION BOARD
-  : COMMUNICATION CABLE TERMINAL BOARD
-  : RADIO NAVAIDS MONITOR FOR CONTROL TOWER
-  : AUTOMATIC SWITCH CHANGER FOR POWER SUPPLY
-  : ENGINE GENERATION
-  : DC POWER SUPPLY UNIT

FACILITY	SYMBOL	NOTE
APPROACH LIGHTING SYSTEM	—	
SEQUENCED FLASHING LIGHT	▽	
RUNWAY THRESHOLD IDENTIFICATION LIGHT	▽	
PRECISION APPROACH PATH INDICATOR	□□□□	
RUNWAY EDGE LIGHT	○●⊗⊗	
RUNWAY THRESHOLD LIGHT, END LIGHT	□□□□ □□□□	
WINGBAR LIGHT	□□□□	
RUNWAY CENTER LINE LIGHT	○ ○	
RUNWAY TOUCHDOWN ZONE LIGHT	□□	
RUNWAY STOPWAY LIGHT	•	
TAXYWAY EDGE LIGHT	○	
TAXIING GUIDANCE LIGHT	—	
AERODROME BEACON	⊕	
APRON FLOOD LIGHT (MAST)	⊕	



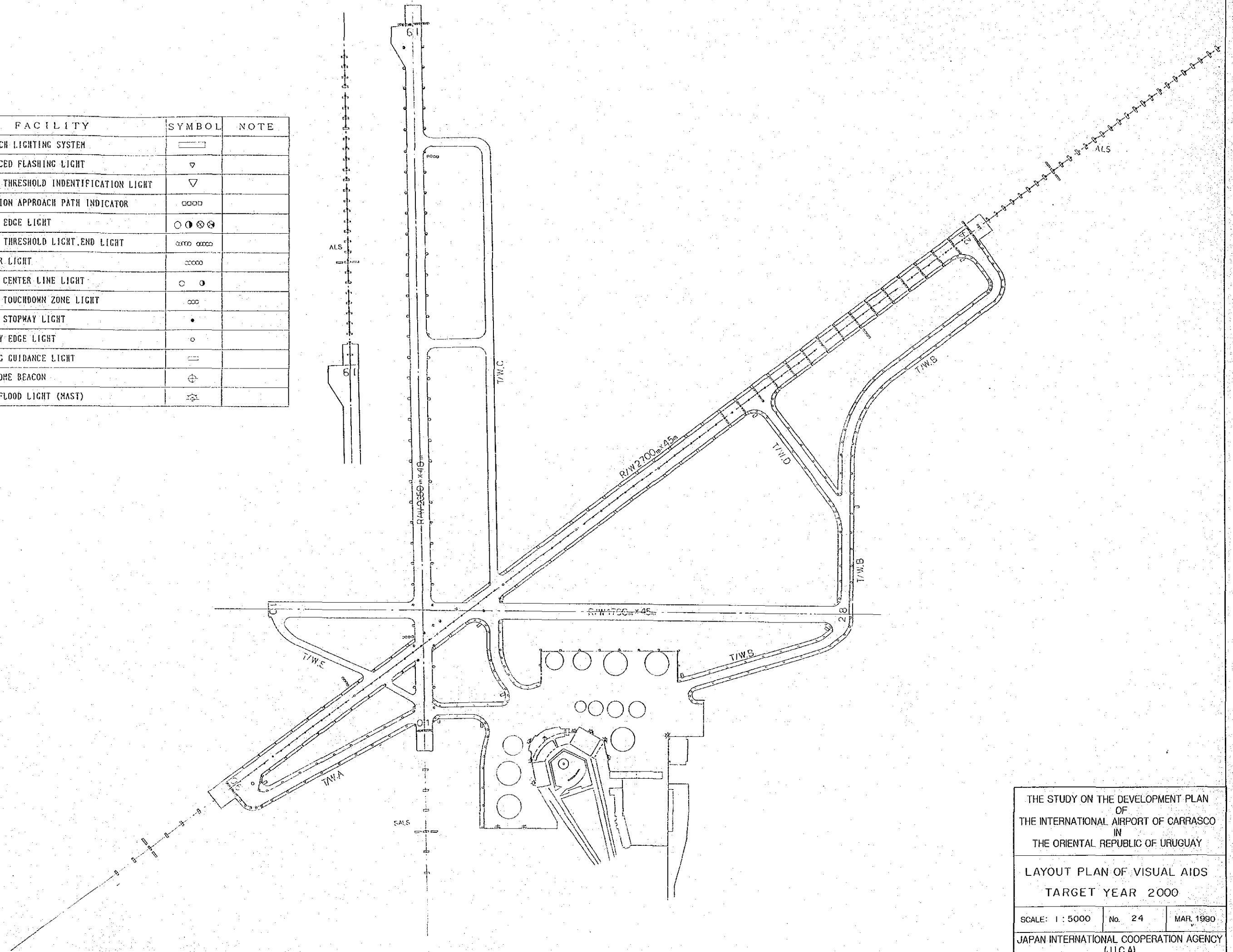
THE STUDY ON THE DEVELOPMENT PLAN
 OF
 THE INTERNATIONAL AIRPORT OF CARRASCO
 IN
 THE ORIENTAL REPUBLIC OF URUGUAY

LAYOUT PLAN OF VISUAL AIDS
 TARGET YEAR 1995

SCALE: 1 : 5000 No. 23 MAR. 1990

JAPAN INTERNATIONAL COOPERATION AGENCY
 (JICA)

FACILITY	SYMBOL	NOTE
APPROACH LIGHTING SYSTEM	—	
SEQUENCED FLASHING LIGHT	▽	
RUNWAY THRESHOLD IDENTIFICATION LIGHT	▽	
PRECISION APPROACH PATH INDICATOR	□□□□	
RUNWAY EDGE LIGHT	○ ● ⊗ ⊙	
RUNWAY THRESHOLD LIGHT, END LIGHT	□□□□ □□□□	
MINGBAR LIGHT	□□□□	
RUNWAY CENTER LINE LIGHT	○ ●	
RUNWAY TOUCHDOWN ZONE LIGHT	□□□	
RUNWAY STOPWAY LIGHT	●	
TAXYWAY EDGE LIGHT	○	
TAXIING GUIDANCE LIGHT	—	
AERODROME BEACON	⊕	
APRON FLOOD LIGHT (MAST)	⊗	

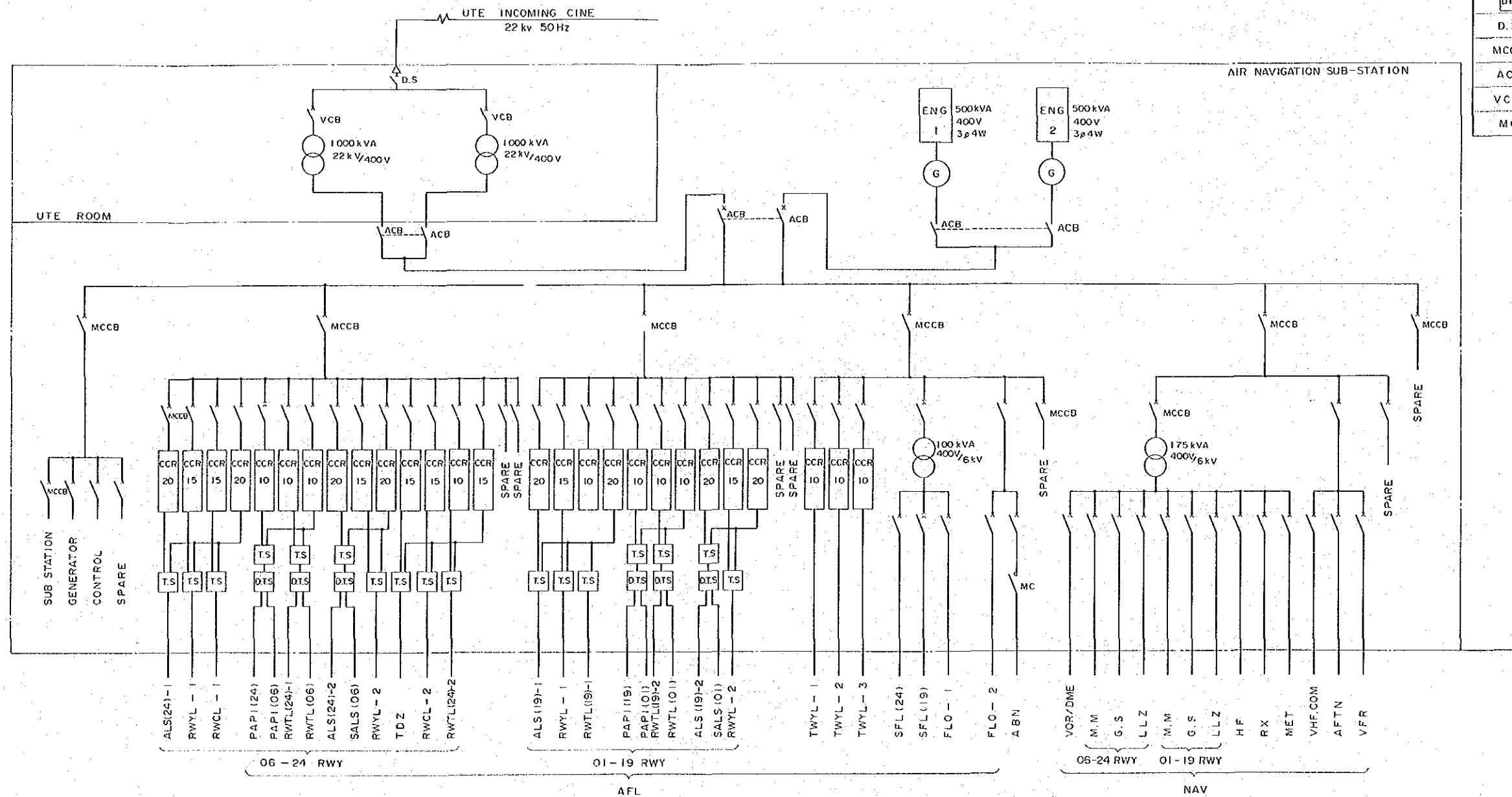


THE STUDY ON THE DEVELOPMENT PLAN
OF
THE INTERNATIONAL AIRPORT OF CARRASCO
IN
THE ORIENTAL REPUBLIC OF URUGUAY

LAYOUT PLAN OF VISUAL AIDS
TARGET YEAR 2000

SCALE: 1 : 5000 No. 24 MAR. 1980

JAPAN INTERNATIONAL COOPERATION AGENCY
(JICA)



SYMBOL	DESCRIPTION
	TRANSFORMER
	DIESEL ENGINE
	GENERATOR
	CONSTANT CURRENT REGULATOR
	TRANSFER SWITCH
	DIRECTION TRANSFER SWITCH
	DISCONNECTING SWITCH
	MOLDED CASE CIRCUIT BREAKER
	AIR CIRCUIT BREAKER
	VACUUM CIRCUIT BREAKER
	ELECTROMAGNETIC CONTACTOR

UTE : USINA TRANSMISION ELECTRICA

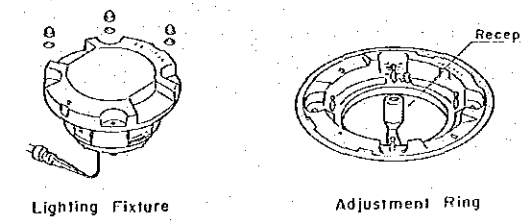
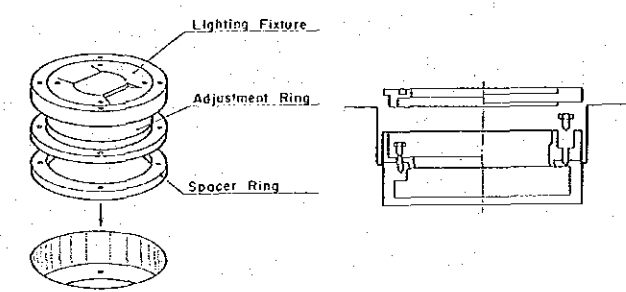
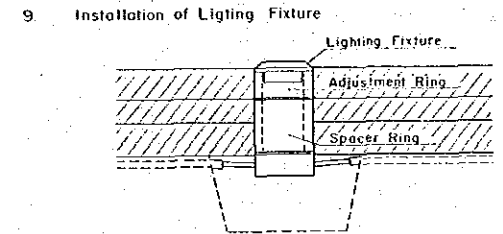
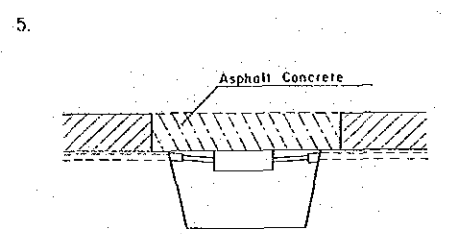
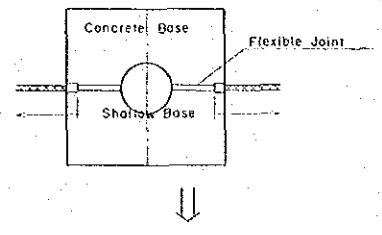
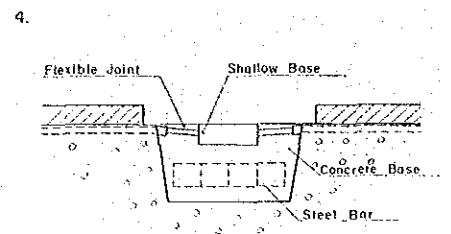
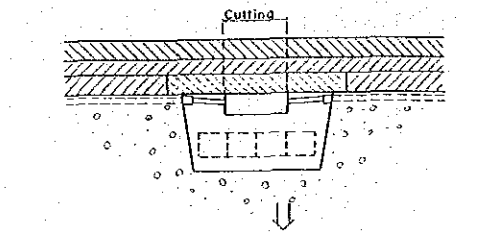
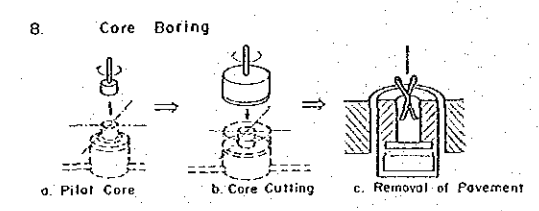
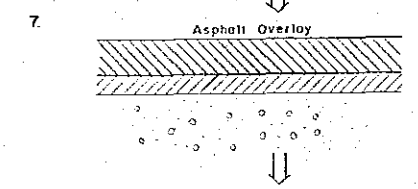
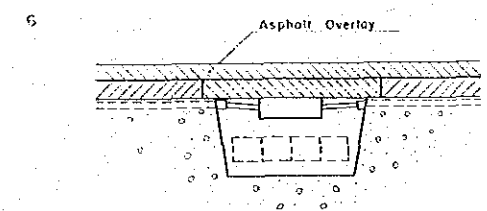
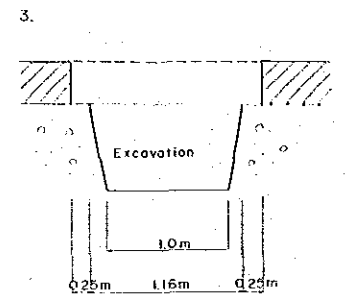
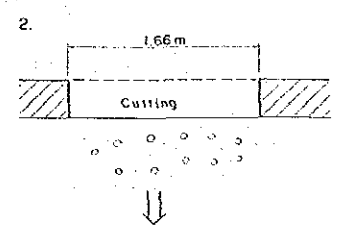
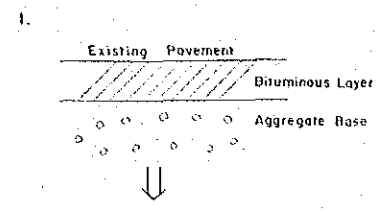
THE STUDY ON THE DEVELOPMENT PLAN OF THE INTERNATIONAL AIRPORT OF CARRASCO IN THE ORIENTAL REPUBLIC OF URUGUAY

ELECTRIC POWER SUPPLY CONNECTION DIAGRAM

SCALE: — No. 25 MAR 1990

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

26 INSTALLATION OF AIRFIELD LIGHTS by BASE and CONDUIT SYSTEM



THE STUDY ON THE DEVELOPMENT PLAN
OF
THE INTERNATIONAL AIRPORT OF CARRASCO
IN
THE ORIENTAL REPUBLIC OF URUGUAY
INSTALLATION OF AIRFIELD LIGHTS
BY BASE AND CONDUIT SYSTEM

SCALE: — No. 26 MAR. 1990
JAPAN INTERNATIONAL COOPERATION AGENCY
(JICA)

