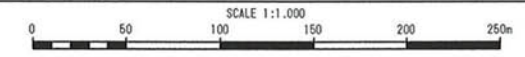


LEGEND:

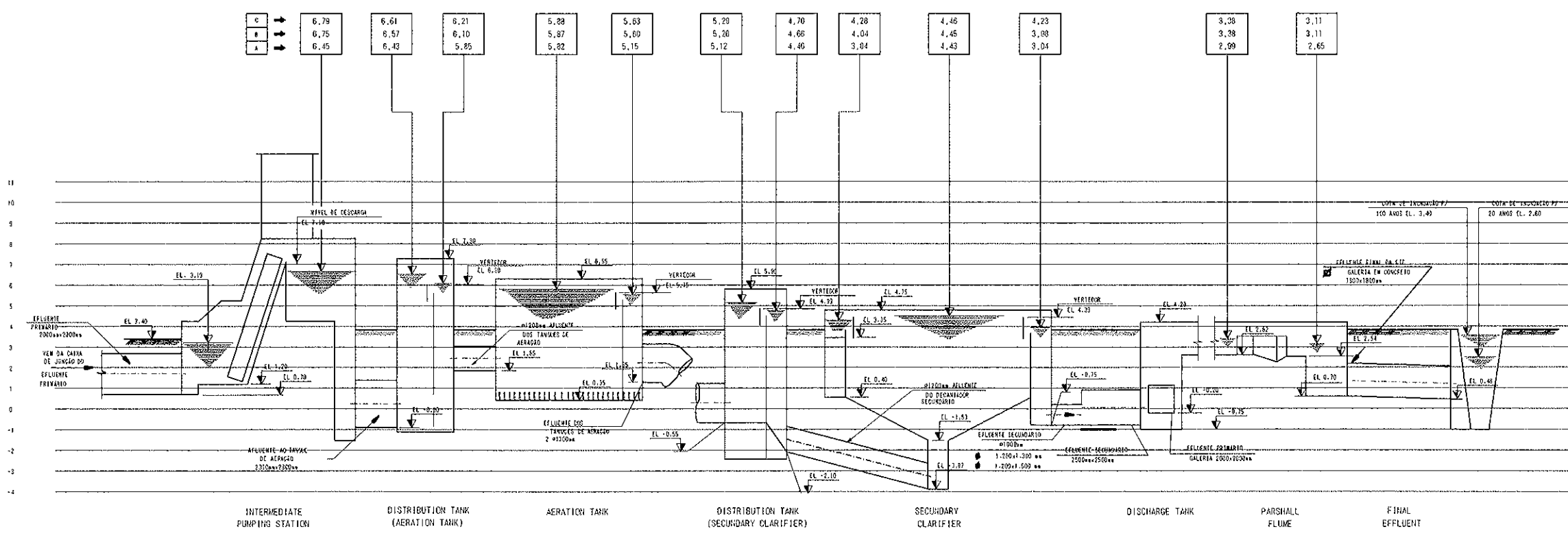
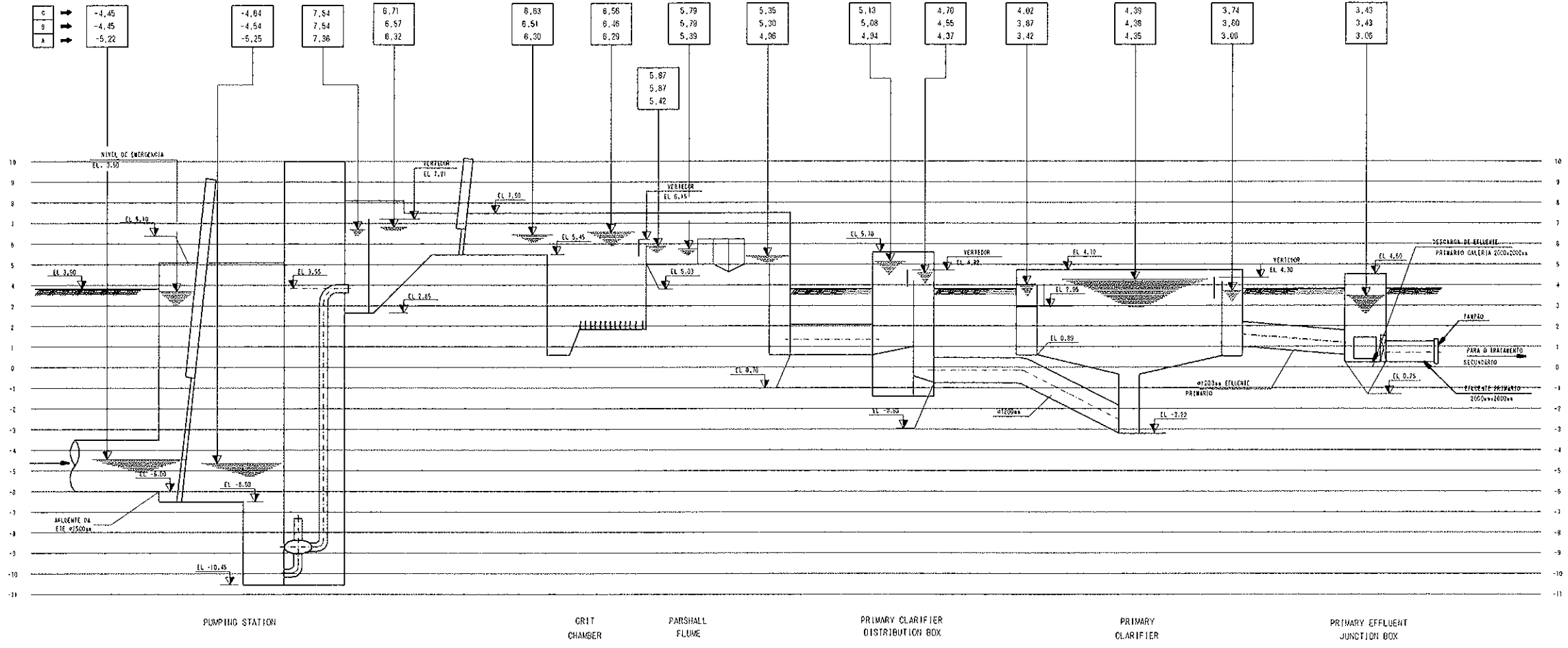
 UNITS ALREADY IMPLEMENTED-PDBG 1	 UNITS FOR EQUIPMENTS INSTALATION-FS	 UNITS TOBE CONSTRUCTED-FS	 FUTURE STAGE
1 INLET PUMPING STATION	2 GRIT CHAMBER	3 PRIMARY CLARIFIER	4 DISTRIBUTION TANK
5 PRIMARY SLUDGE PUMPING STATION	6 SUBSTATION SE-1	7 SUBSTATION SE-2	8 WATTMETER
9 RECEPTION / TRUCK SCALE	10 ADMINISTRATION/LABORATORY BUILDING	11 WORKSHOP	12 CHEMICAL FEEDER (FE CL3)
13 SLUDGE BUILDING	14 THERMAL DRYER BUILDING	15 WATER STORAGE TANK	16 INTERMEDIATE PUMPING STATION
17 DISTRIBUTION TANK	18 AREATATION TANK	19 SECONDARY CLARIFIER	20 DISTRIBUTION TANK
21 RETURN ACTIVATED SLUDGE PUMPING STATION	22 PARSHALL FLUME	23 SUBSTATION SE-3	



NOTE:
1 - ELEVATION E DIMENSION IN METER.
REFERENCE DRAW:
DE-3.380-010.100-HSC-14-001

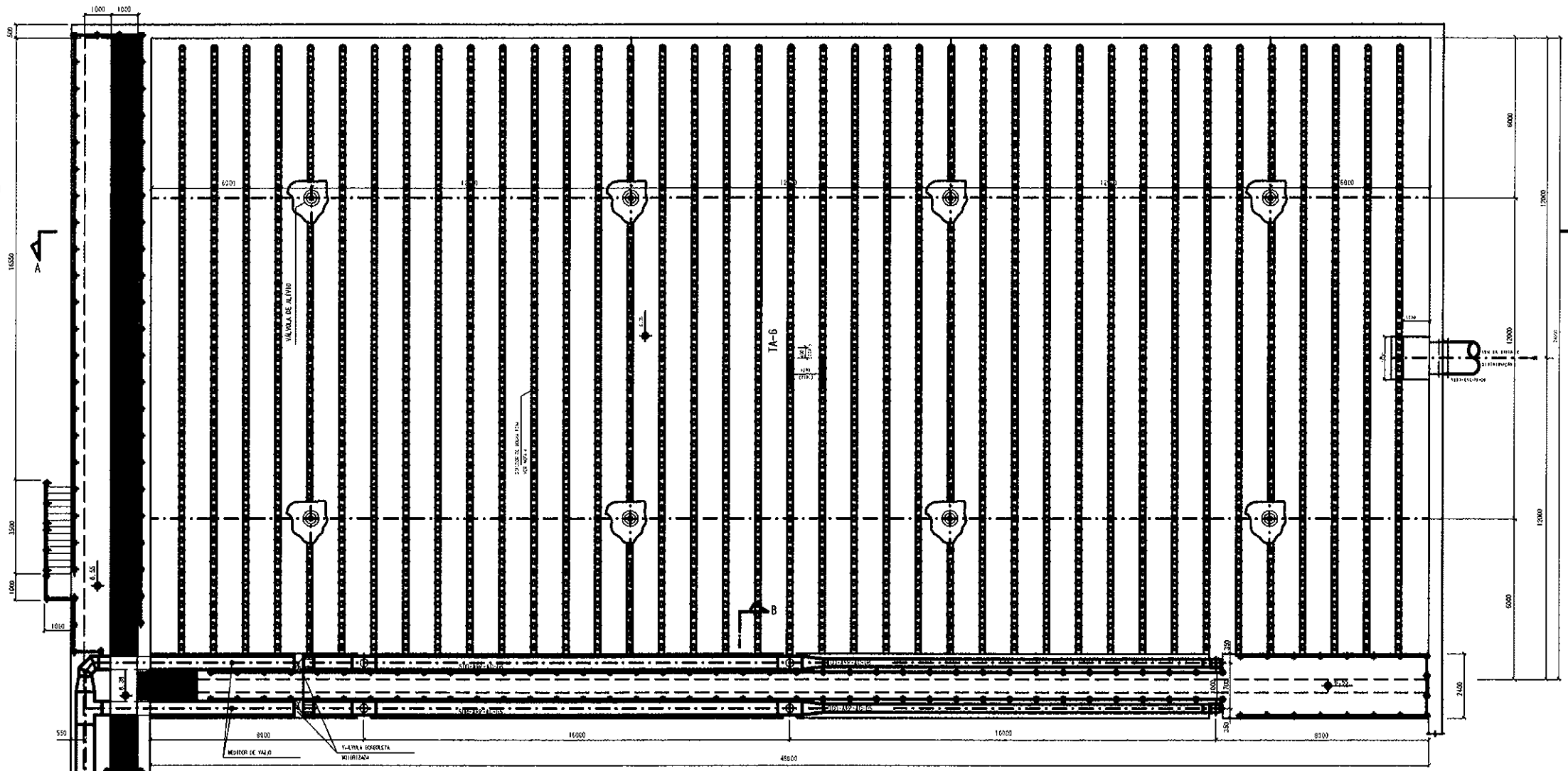
DRAW. 4.3	THE STUDY ON MANAGEMENT AND IMPROVEMENT OF THE ENVIRONMENTAL CONDITIONS OF GUANABARA BAY IN RIO DE JANEIRO	TITLE SARAPUI - WWTP LAYOUT PLAN
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)		

C → CONDITION "C" - MAX FLOW AFLUENT (Q=4,8m³/s) ONE FACILITY INS'T OPERATING.
 B → CONDITION "B" - MAX FLOW AFLUENT (Q=4,8m³/s) WITH ALL FACILITIES IN OPERATION.
 A → CONDITION "A" - MAX FLOW AFLUENT (Q=1,5m³/s) WITH ALL FACILITIES IN OPERATION.

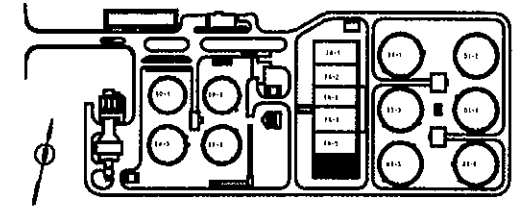


REFERENCE DRAW: 92-1-305-016-103-930-00-004

DRAW. 4.4	THE STUDY ON MANAGEMENT AND IMPROVEMENT OF THE ENVIRONMENTAL CONDITIONS OF GUANABARA BAY IN RIO DE JANEIRO	TITLE SARAPUI - WWTP HYDRAULIC PROFILE
	JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	

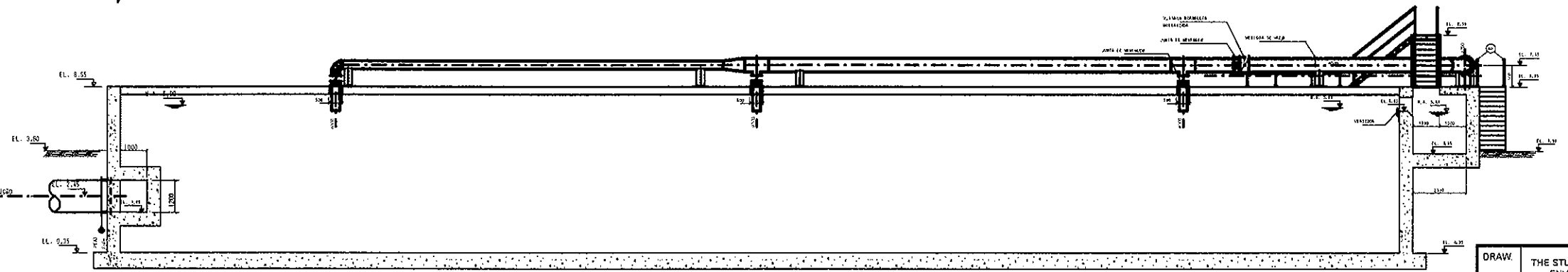
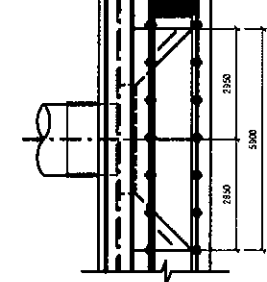


PLAN
SCALE 1:100

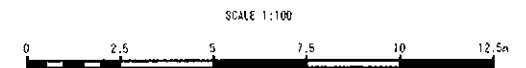


KEY PLAN
1/7 SCALE

1900-ETA-AG1-02



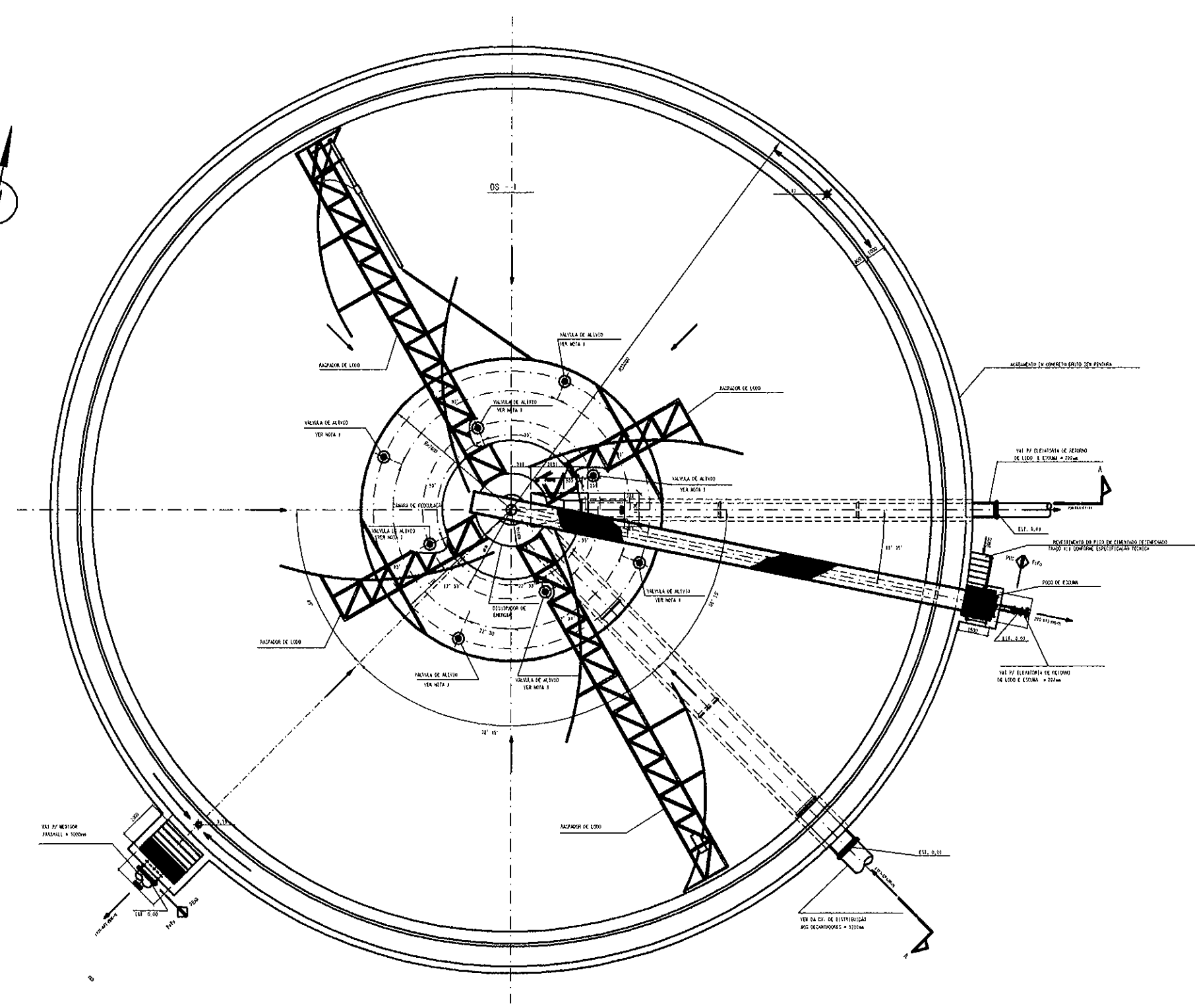
SECTION
SCALE 1:100



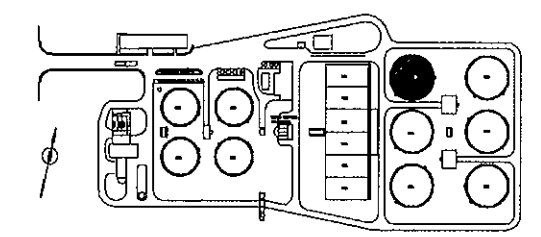
SCALE 1:100

NOTE:
1 - ELEVATION & DIMENSION IN METER.
REFERENCE DRAW:
DE-3-267-01-D-102-MSD-00-007

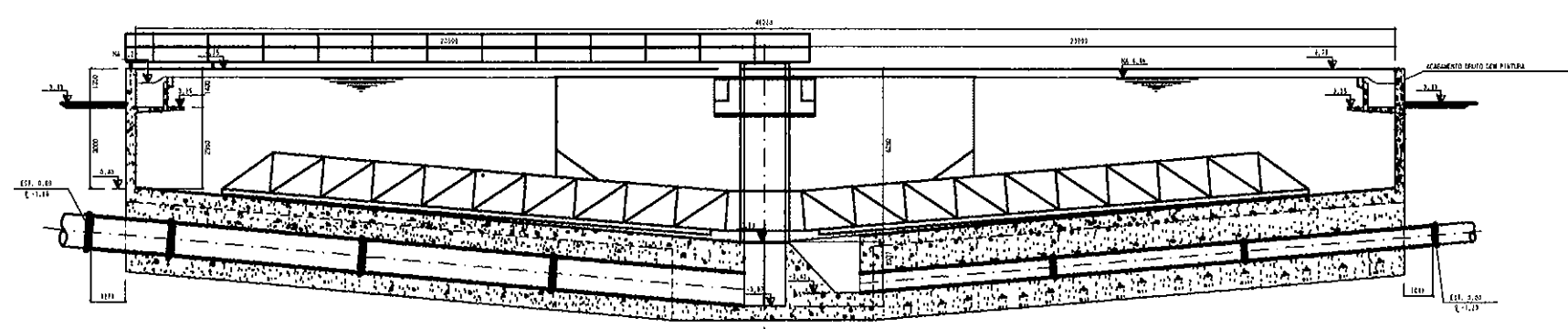
DRAW 4.6	THE STUDY ON MANAGEMENT AND IMPROVEMENT OF THE ENVIRONMENTAL CONDITIONS OF GUANABARA BAY IN RIO DE JANEIRO	TITLE
	JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SARAPUI - WWTP AERATION TANK



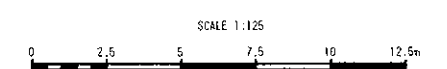
PLAN
SCALE 1:125



KEY PLAN
S/ SCALE



SECTION
SCALE 1:125



NOTE:
1 - ELEVATION & DIMENSION IN METER.
REFERENCE DRAW:
DE-3-388-019-100-MSG-00-001
DE-3-388-019-100-MSG-00-002

DRAW. 4.7	THE STUDY ON MANAGEMENT AND IMPROVEMENT OF THE ENVIRONMENTAL CONDITIONS OF GJANABARA BAY IN RIO DE JANEIRO	TITLE
	JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SARAPUI - WWTP SECONDARY CLARIFIER