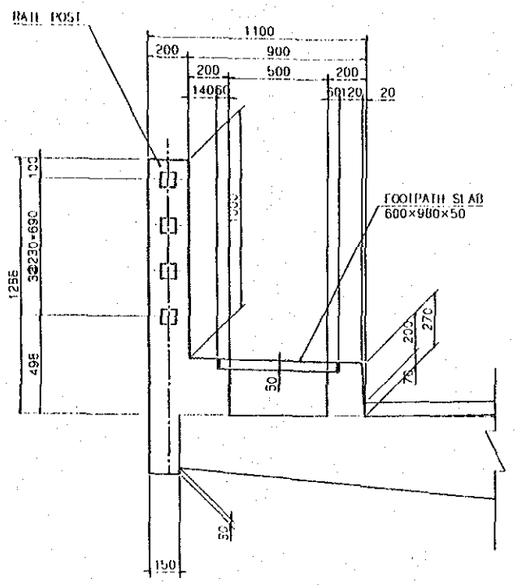
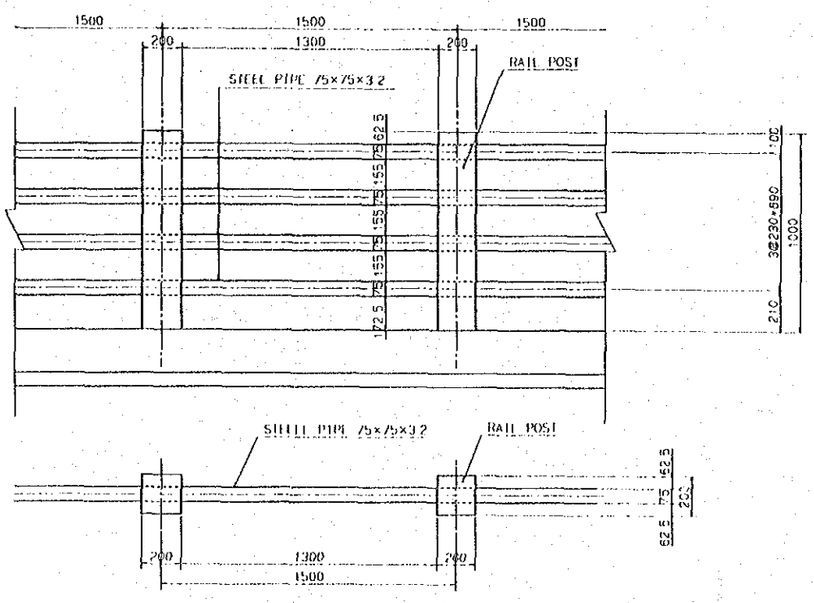
BRIDGE ANCILLARIES (1)

RAILING SCALE 1:30

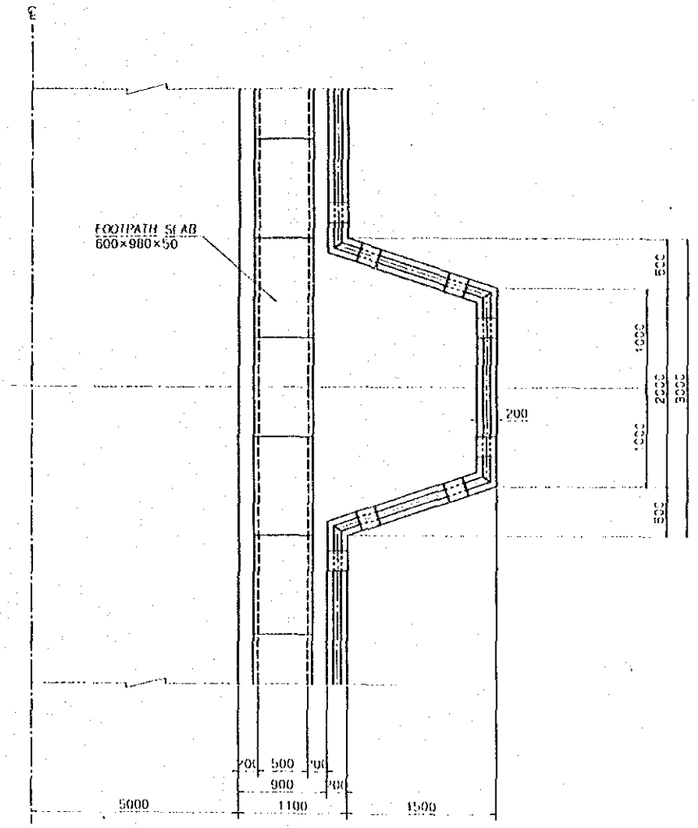




DATAIL OF STEEL PIPE SCALE 1:10

BALCONY SCALE 1:60

PLAN

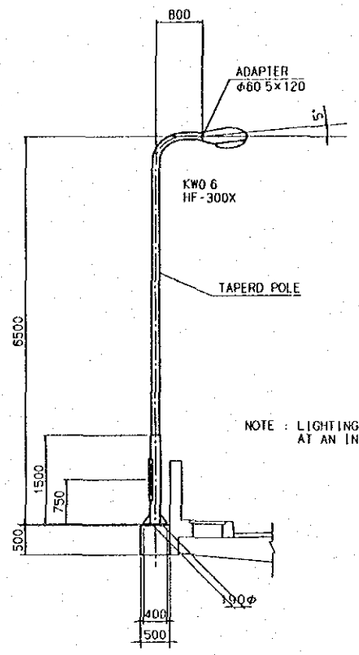


JAPAN INTERNATIONAL COOPERATION AGENCY	BASIC DESIGN STUDY REPORT ON *THE PROJECT FOR* CONSTRUCTION OF A BRIDGE OVER THE MEKONG RIVER IN THE KINGDOM OF CAMBODIA	BRIDGE ANCILLARIES (1) RAILING, BALCONY	SCALE AS SHOWN	DWG No. 5

BRIDGE ANCILLARIES (2)

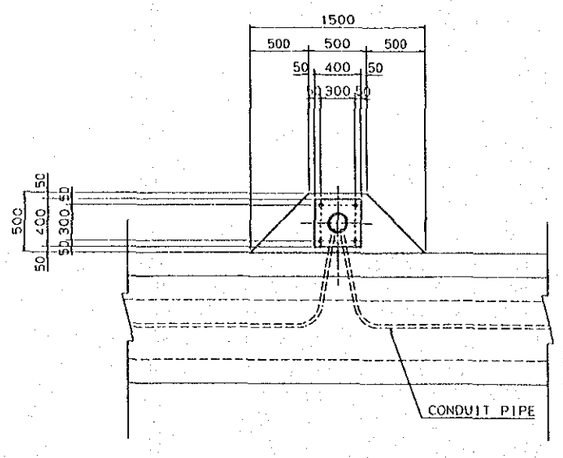
LIGHTING

FRONT ELEVATION SCALE 1:100



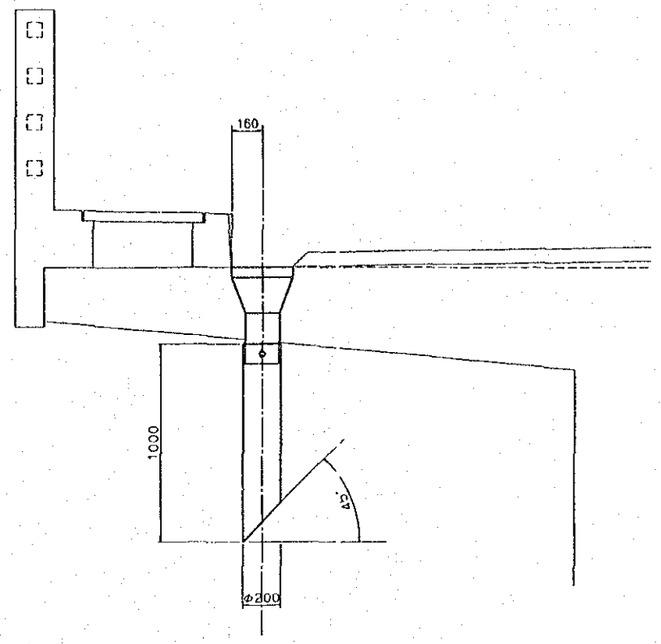
NOTE : LIGHTINGS WILL BE PROVIDED ON BOTH SIDES AT AN INTERNAL OF 60 METERS

PLAN SCALE 1:50

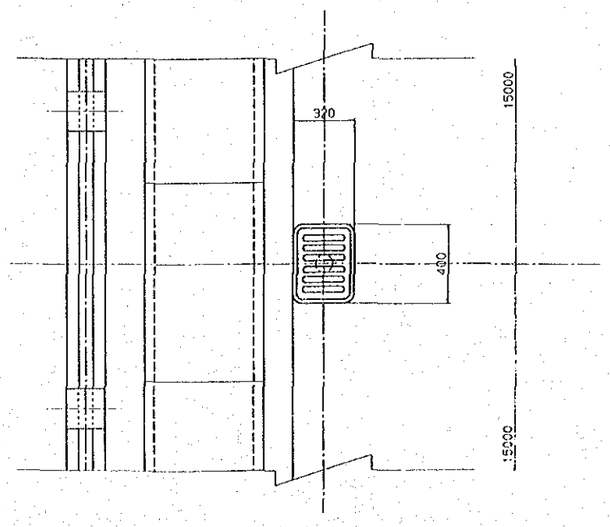


DRAIN PIPE

FRONT ELEVATION SCALE 1:30



PLAN SCALE 1:30



NOTE DRAIN PIPES WILL BE PROVIDE ON BOTH SIDES AT AN INTERVAL OF 15 METERS

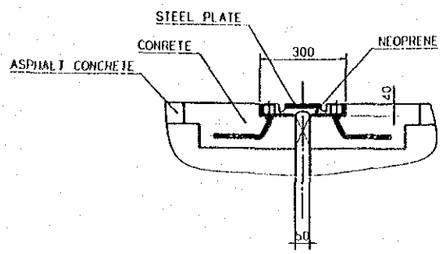
JAPAN INTERNATIONAL COOPERATION AGENCY	BASIC DESIGN STUDY REPORT ON THE PROJECT FOR CONSTRUCTION OF A BRIDGE OVER THE MEKONG RIVER IN THE KINGDOM OF CAMBODIA	BRIDGE ANCILLARIES (2) LIGHTING. DRAIN PIPE	SCALE AS SHOWN	DWG No 6

BRIDGE ANCILLARIES (3)

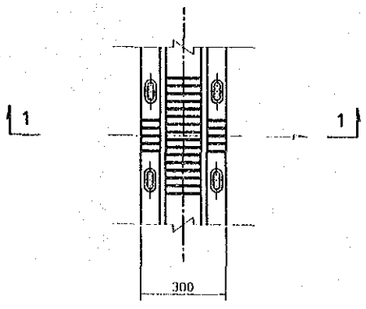
EXPANSION JOINTS SCALE 1:20

TYPE-EJ1

1-1 SECTION

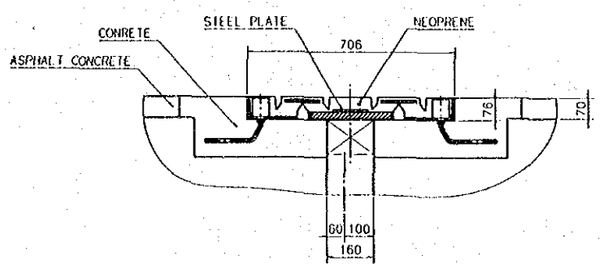


PLAN

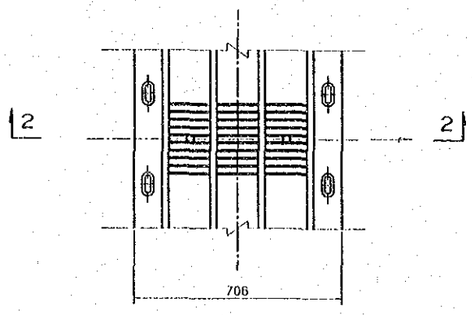


TYPE-EJ2

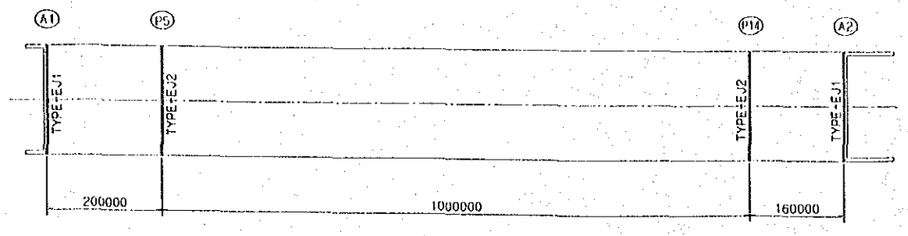
2-2 SECTION



PLAN

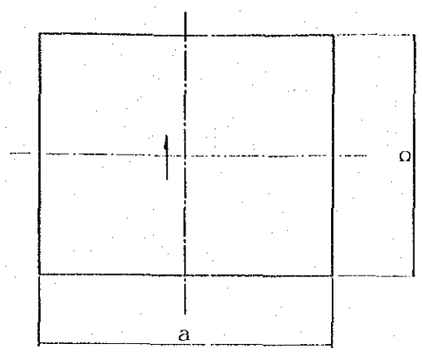


MARKING DIAGRAM

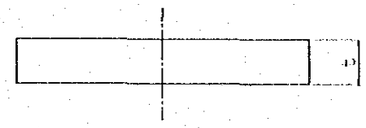


BEARINGS SCALE 1:20

PLAN

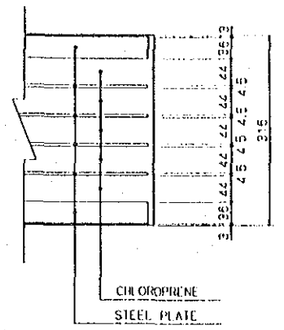


SECTION



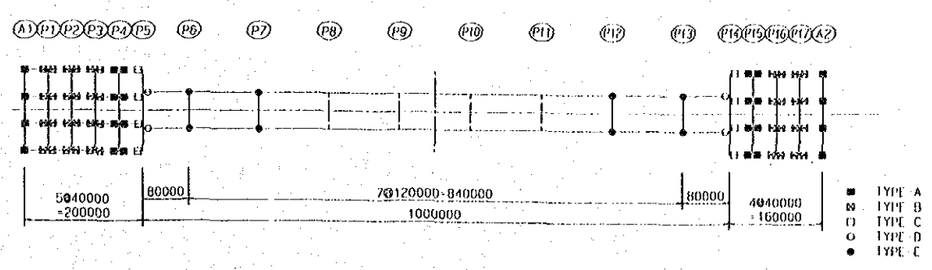
DETAIL OF TYPE-E

SCALE 1:10



	R(tf)	a(mm)	b(mm)	t(mm)
TYPE-A	185	600	450	41
TYPE-B	175	650	450	21
TYPE-C	160	600	550	61
TYPE-D	500	920	870	192
TYPE-E	2.200	2.120	1470	316

MARKING DIAGRAM



JAPAN INTERNATIONAL COOPERATION AGENCY	BASIC DESIGN STUDY REPORT ON THE PROJECT FOR CONSTRUCTION OF A BRIDGE OVER THE MEKONG RIVER IN THE KINGDOM OF CAMBODIA	BRIDGE ANCILLARIES (3) EXPANSION JOINTS BEARINGS	SCALE AS SHOWN	DWG No. 7

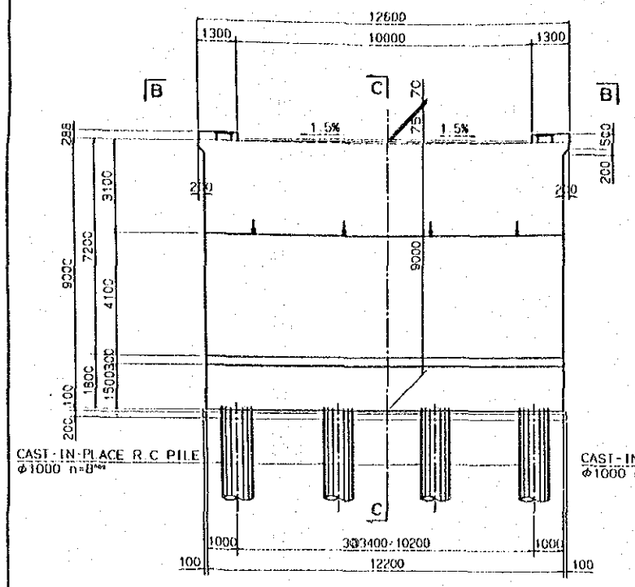
SUBSTRUCTURE (1)

SCALE 1 200

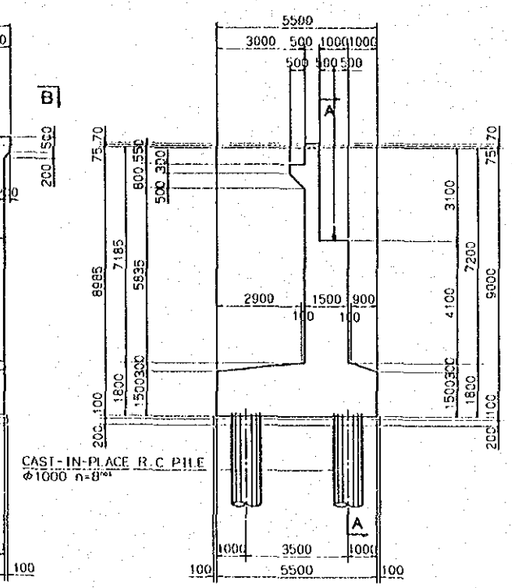
A1

A2

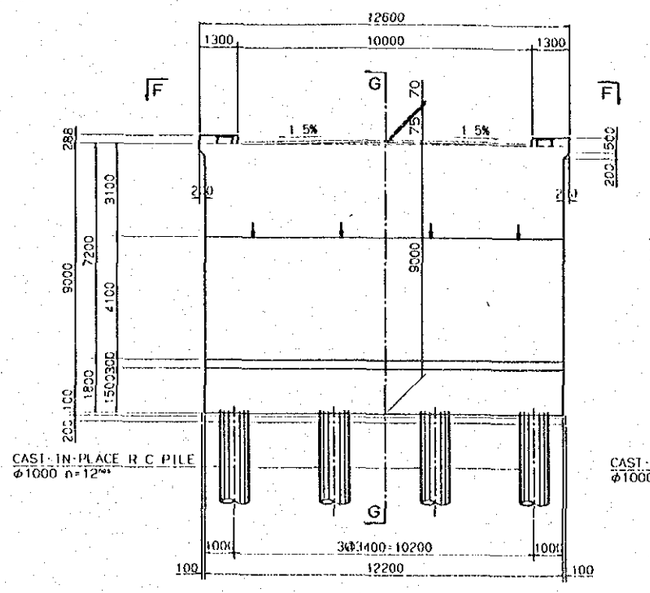
A-A CROSS SECTION



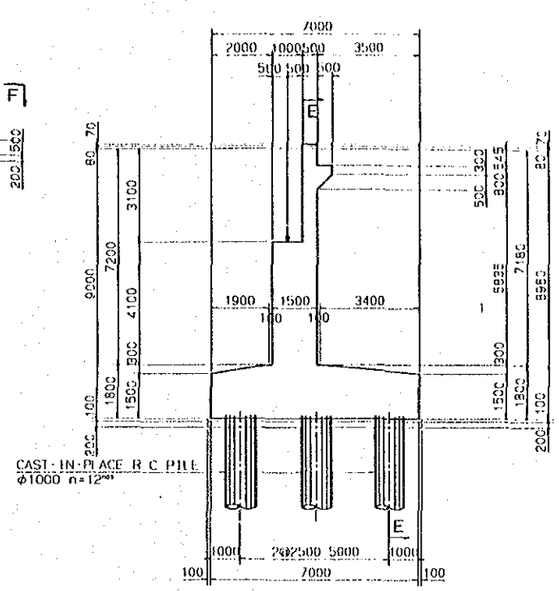
C-C CROSS SECTION



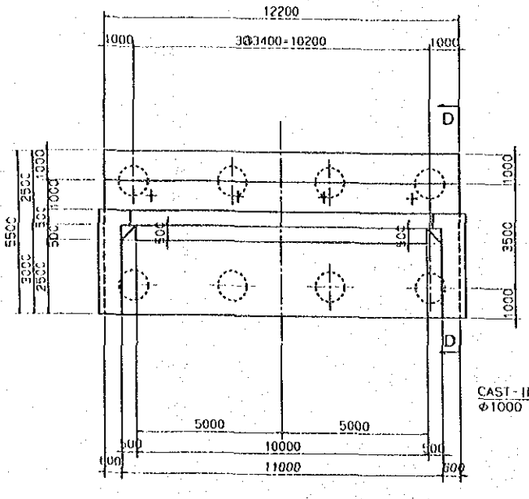
E-E CROSS SECTION



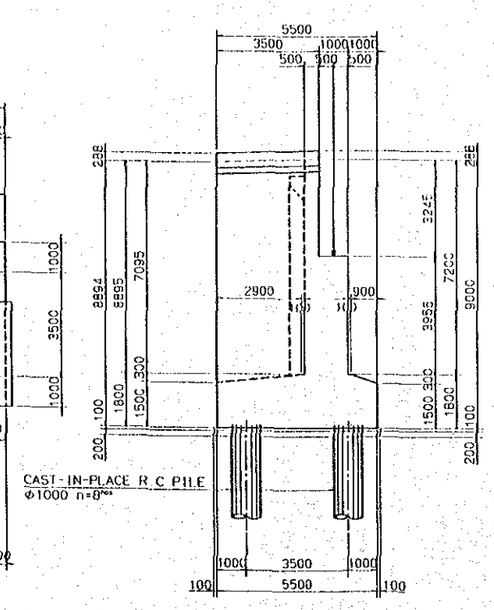
G-G CROSS SECTION



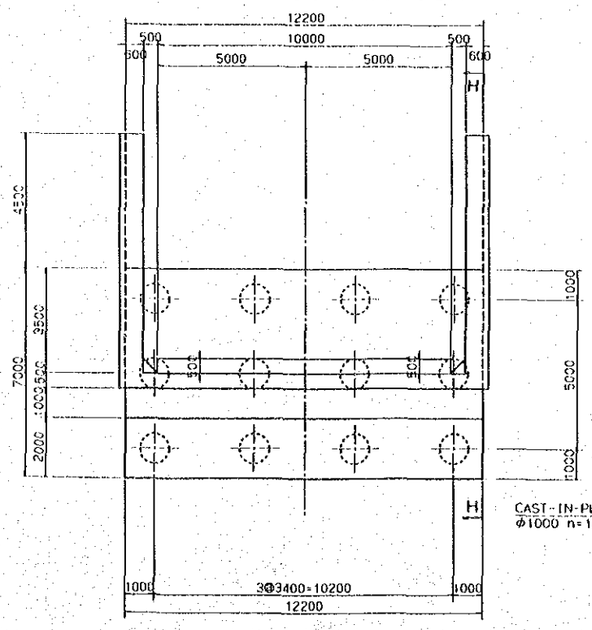
B-B CROSS SECTION



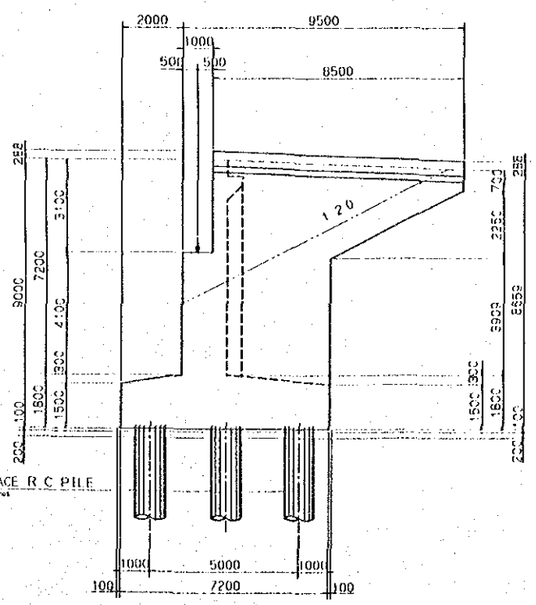
D-D CROSS SECTION



F-F CROSS SECTION



H-H CROSS SECTION

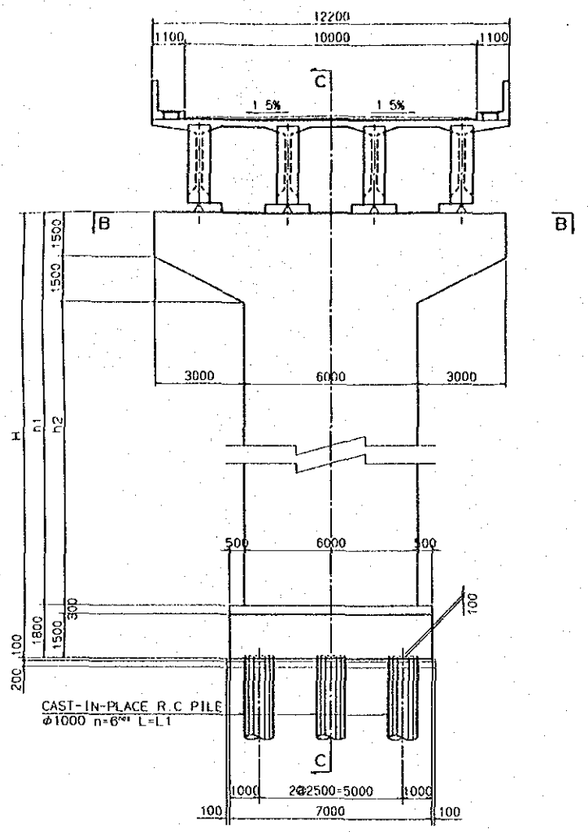


JAPAN INTERNATIONAL COOPERATION AGENCY	BASIC DESIGN STUDY REPORT ON THE PROJECT FOR CONSTRUCTION OF A BRIDGE OVER THE MEKONG RIVER IN THE KINGDOM OF CAMBODIA	SUBSTRUCTURE (1) A1, A2	SCALE AS SHOWN	DWG No. 8

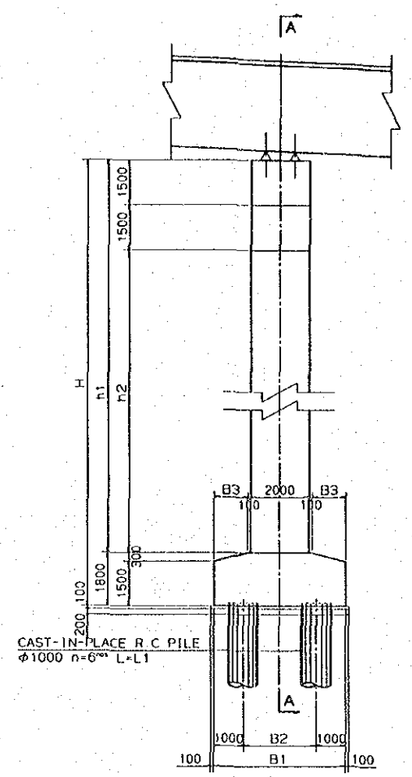
SUBSTRUCTURE (2) SCALE 1:200

(P1) ~ (P4), (P15) ~ (P17)

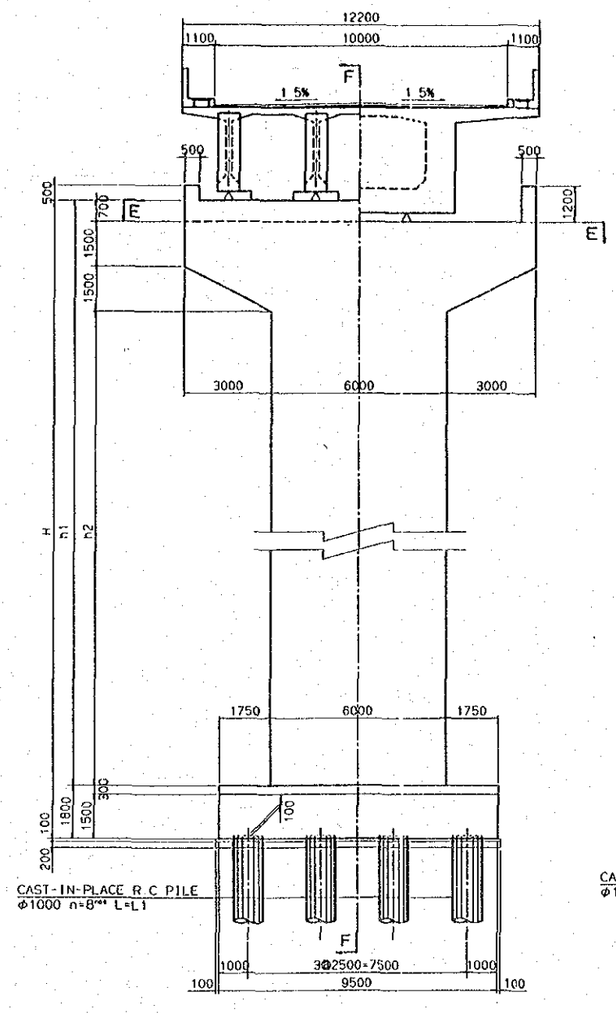
A-A CROSS SECTION



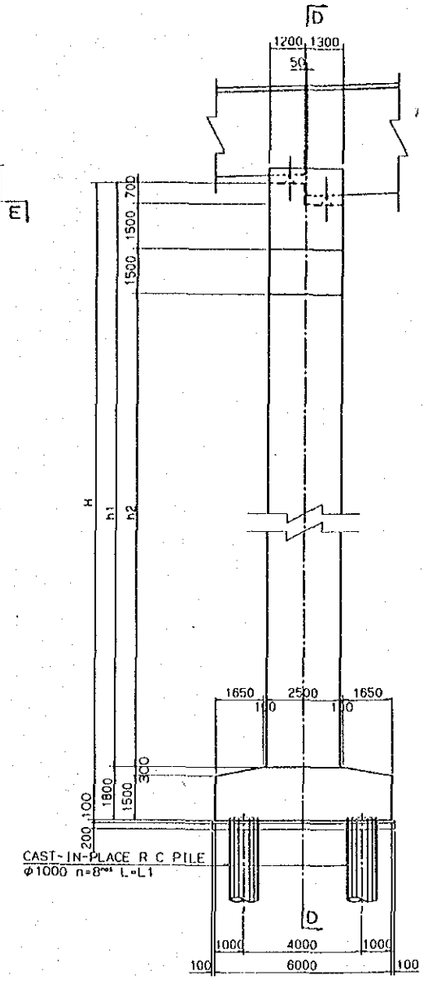
C-C CROSS SECTION



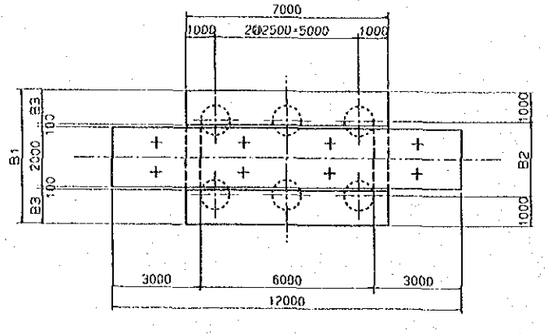
D-D CROSS SECTION



F-F CROSS SECTION

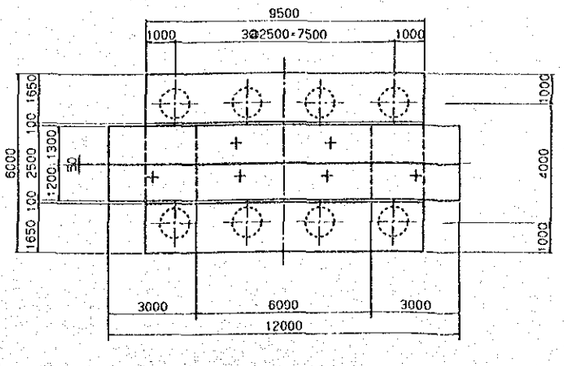


B-B CROSS SECTION



PIER No	COLOUMN						PILE
	H	h1	h2	B1	B2	B3	L1
P1	8000	6200	3200	4500	2500	1150	28000
P2	9000	7200	4200	6000	4000	1900	28000
P3	10000	8200	5200	4500	2500	1150	28000
P4	13000	11200	8200	4500	2500	1150	28000
P15	19000	17200	14200	4500	2500	1150	27000
P16	9000	7200	4200	4500	2500	1150	35000
P17	7000	5200	2200	5000	3000	1400	35000

E-E CROSS SECTION



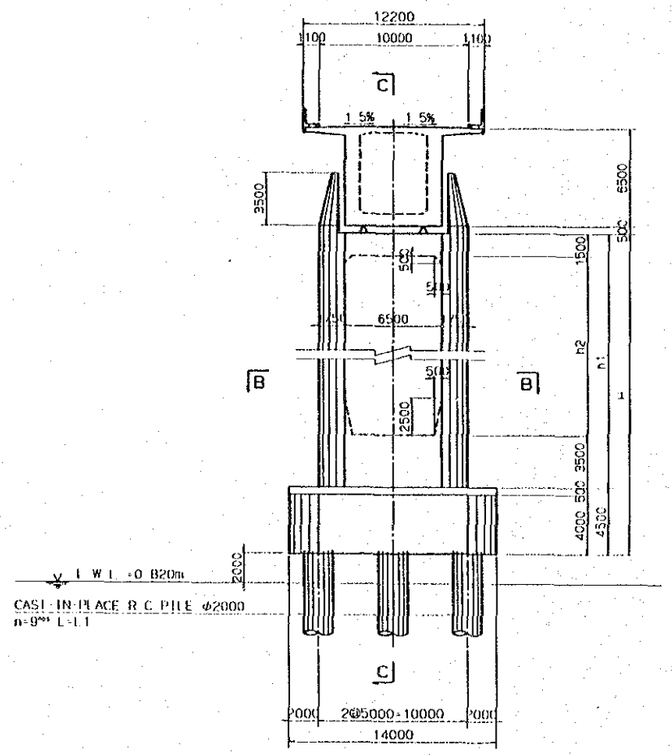
PIER No	COLOUMN			PILE
	H	h1	h2	L1
P5	24700	22300	19200	41000
P14	25700	23900	20200	34000

JAPAN INTERNATIONAL COOPERATION AGENCY	BASIC DESIGN STUDY REPORT ON THE PROJECT FOR CONSTRUCTION OF A BRIDGE OVER THE MEKONG RIVER IN THE KINGDOM OF CAMBODIA	SUBSTRUCTURE (2) P1~P5, P14~P17	SCALE AS SHOWN	DWG No. 9

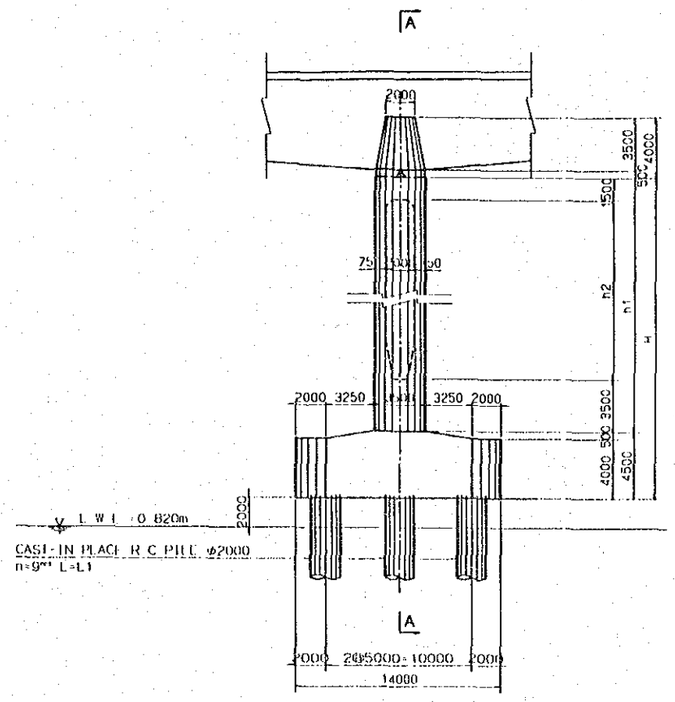
SUBSTRUCTURE (3) SCALE 1:400

(P6) (P13)

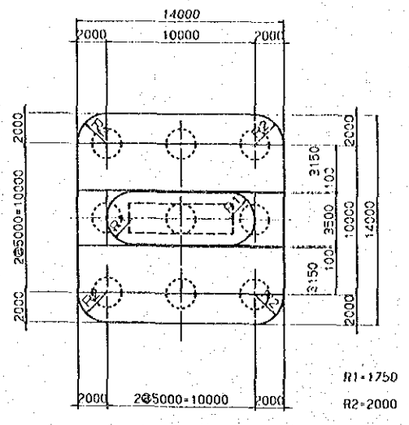
A-A CROSS SECTION



C-C CROSS SECTION



B-B CROSS SECTION



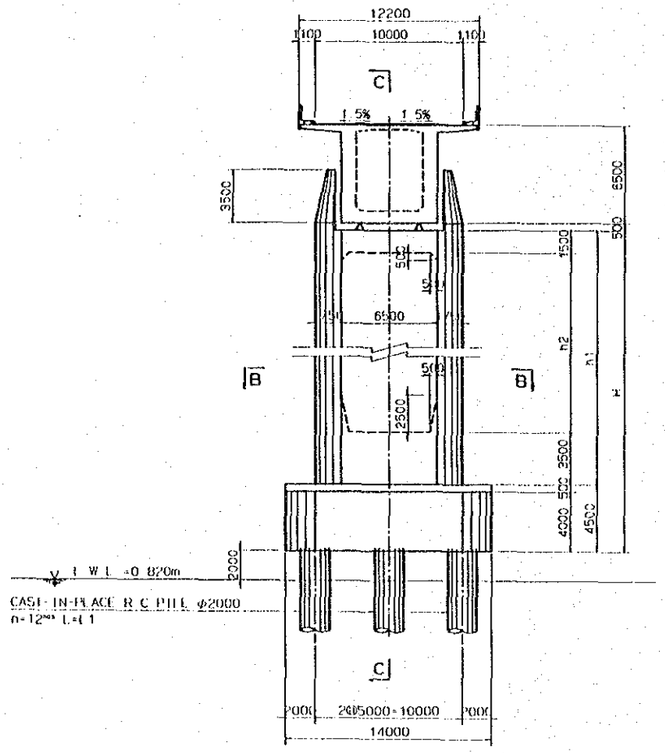
PIER No	COLUMN			PILE
	H	h1	h2	L1
P6	20500	16000	11000	46000
P13	19500	15000	10000	43000

JAPAN INTERNATIONAL COOPERATION AGENCY	BASIC DESIGN STUDY REPORT ON THE PROJECT FOR CONSTRUCTION OF A BRIDGE OVER THE MEKONG RIVER IN THE KINGDOM OF CAMBODIA	SUBSTRUCTURE (3) P6, P13	SCALE AS SHOWN	DWG No. 10

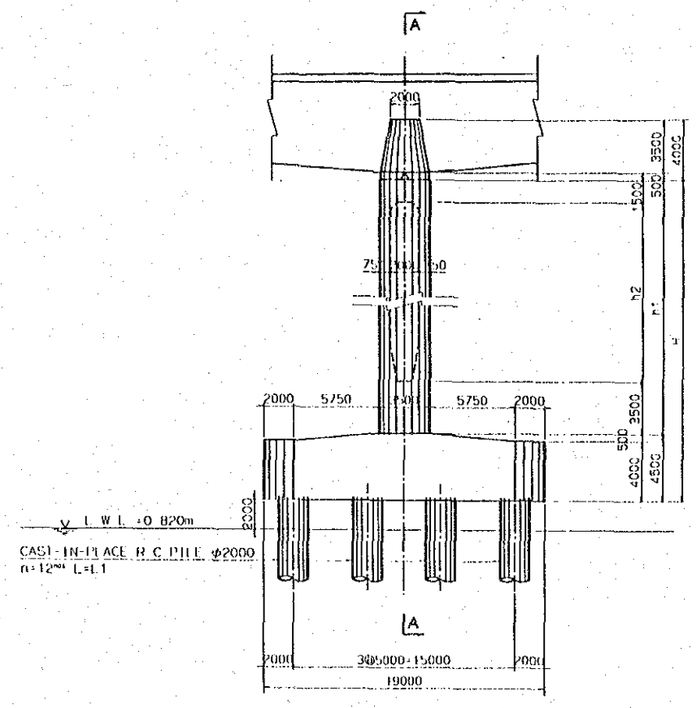
SUBSTRUCTURE (4) SCALE 1:400

(P7) (P12)

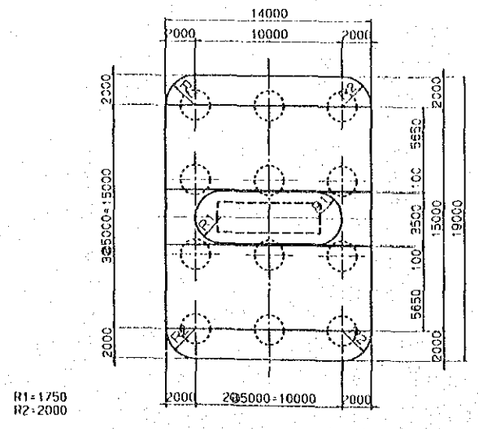
A-A CROSS SECTION



C-C CROSS SECTION



B-B CROSS SECTION



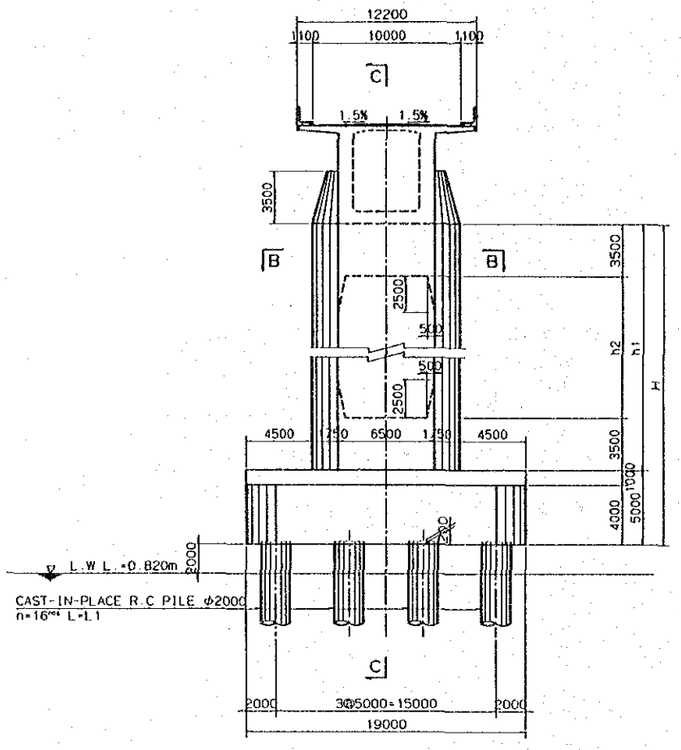
PIER No	COLOUMN			PILE
	H	h1	h2	L1
P7	23500	19000	14000	47000
P12	22700	18200	13200	44000

JAPAN INTERNATIONAL COOPERATION AGENCY	BASIC DESIGN STUDY REPORT ON THE PROJECT FOR CONSTRUCTION OF A BRIDGE OVER THE MEKONG RIVER IN THE KINGDOM OF CAMBODIA	SUBSTRUCTURE (4) P7, P12	SCALE AS SHOWN	DWG No. 11

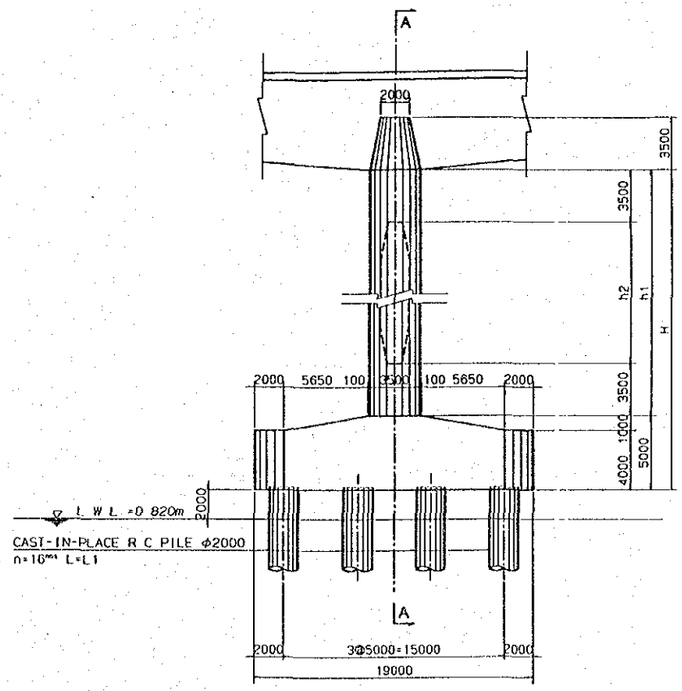
SUBSTRUCTURE (5) SCALE 1:400

(P8) ~ (P11)

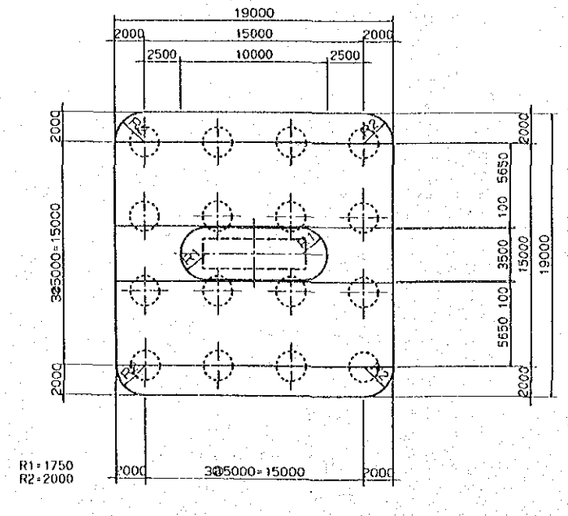
A-A CROSS SECTION



C-C CROSS SECTION

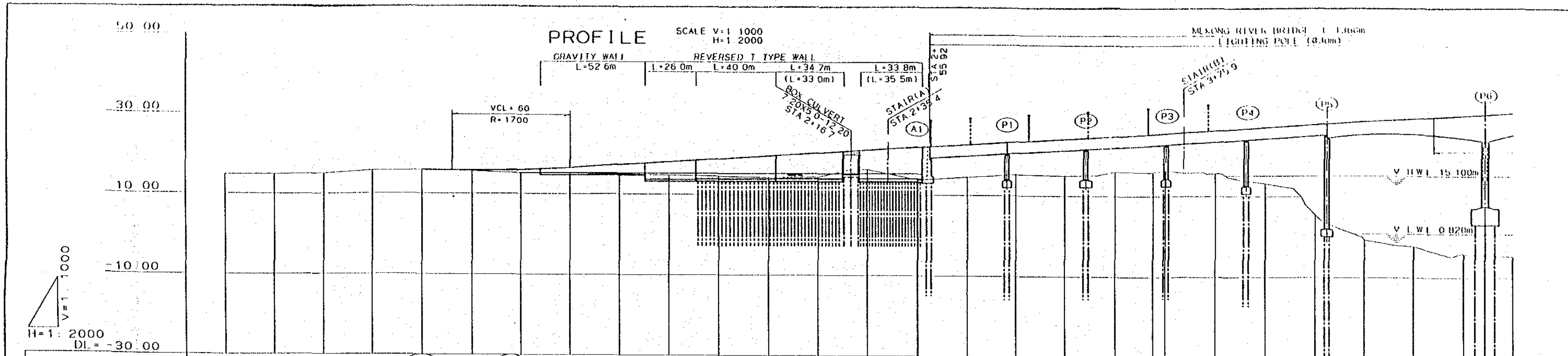


B-B CROSS SECTION



PIER No	COLOUMN			PILE
	H	h1	h2	L1
P8	25800	20800	13800	47000
P9	26700	21700	14700	47000
P10	26500	21500	14500	47000
P11	25400	20400	13400	44000

JAPAN INTERNATIONAL COOPERATION AGENCY	BASIC DESIGN STUDY REPORT ON THE PROJECT FOR CONSTRUCTION OF A BRIDGE OVER THE MEKONG RIVER IN THE KINGDOM OF CAMBODIA	SUBSTRUCTURE (5) P8~P11	SCALE AS SHOWN	DWG.No. 12

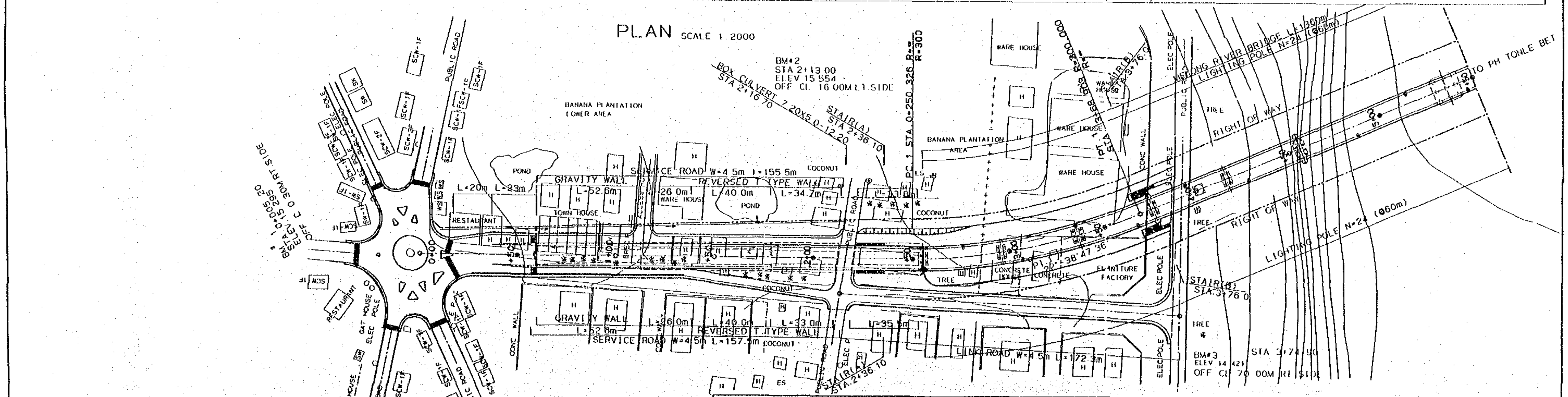


STATION	DISTANCE	ACCUMULATED DISTANCE	EXISTING LEVEL	DESIGN HIGHT
	0.000	-100.00	14 73	
-75	25 000	-75.00	14 84	
-50	25 000	-50.00	15 06	
-25	25.000	-25.00	15 70	
0+ 0	25.000	0.00	15 75	15.900
+25	25.000	25.00	15 63	15 803
+50	25 000	50.00	15 11	16 006
+75	25 000	75.00	15 13	16 573
1+ 0	25.000	100.00	14 96	17 323
+25	25 000	125.00	14 76	18 073
+50	25 000	150.00	14 50	18 823
+75	25 000	175.00	14 21	19 573
2+ 0	25 000	200.00	14 34	20 323
+25	25 000	225.00	16 27	21 073
+50 / PC	25 000 / 0 326	250.00 / 250.35	13 75	21 823 / 21 823
+75	24 674	275.00	14 53	22 573
3+ 0	25 000	300.00	15 24	23 323
+25	25 000	325.00	15 01	24 073
+50	25 000	350.00	16 03	24 823
PT / +75	18 903 / 6 097	368.90 / 375.00	16 31	25 390 / 25.573
4+ 0	25 000	400.00		26 323
+25	25 000	425.00	13 20	27 073
+50	25 000	450.00	7 00	27 823
+75	25 000	475.00	-0 70	28 573
5+ 0	25 000	500.00	-2 30	29 323
+25	25 000	525.00	-4 20	30 065
+50	25 000	550.00	-4 70	30 767

GRADIENT: 15.900 — i=0 504 % L=45.000 — 15.673 — i=3 000 % L=965 000 — 30 823

CURVEELEMENT: R=∞ L=350 326 — R=300 L=118 577 — R=∞ L=1329 405

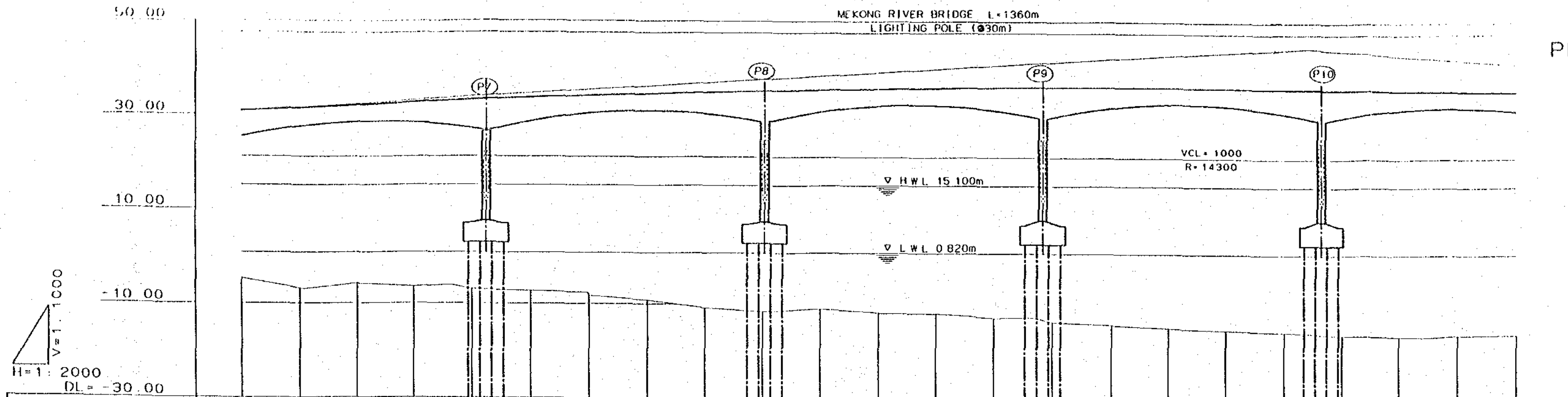
SUPERELEVATION: -2 0 % — 1/139 — 1/222 — 3.0% — 1/148



JAPAN INTERNATIONAL COOPERATION AGENCY	BASIC DESIGN STUDY REPORT ON THE PROJECT FOR CONSTRUCTION OF A BRIDGE OVER THE MEKONG RIVER IN THE KINGDOM OF CAMBODIA	PLAN AND PROFILE (1) STA.0+00~STA.5+50	SCALE AS SHOWN	DWG No. 13

PROFILE

SCALE V 1:1000
H 1:2000



GRADIENT: 30.823 — i=3.000 % L=965.000 — 44.623 — i=4.000 % L=705.000 — 41.023

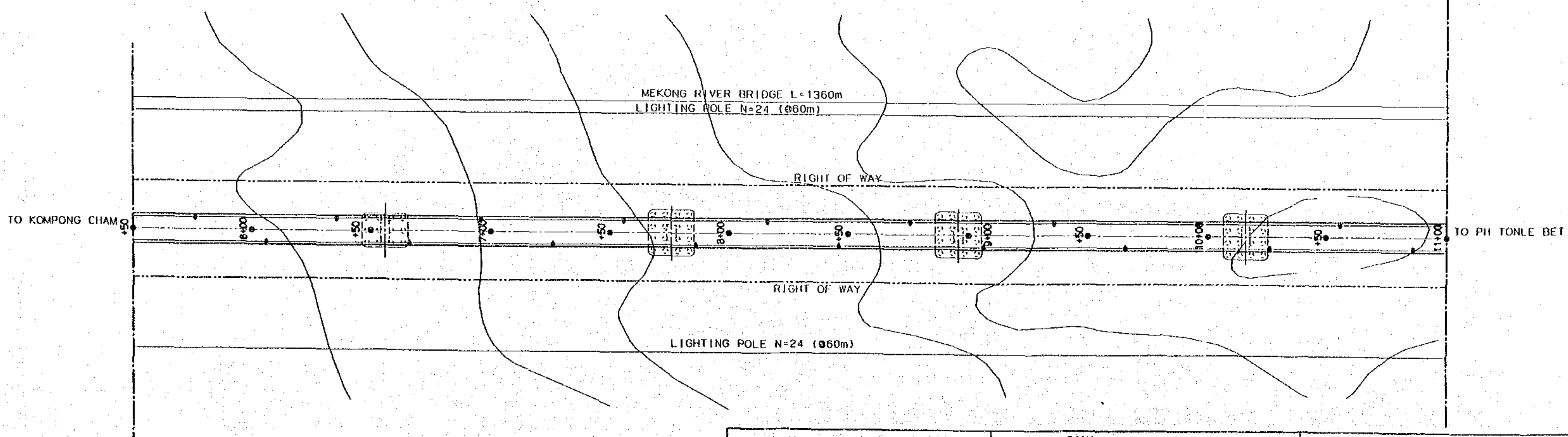
STATION	DESIGN HIGHT	EXISTING LEVEL	ACCUMULATED DISTANCE	DISTANCE
5+50	30.767	-4.70	550.00	25.000
+75	31.425	-6.80	575.00	25.000
6+0	32.040	-5.80	600.00	25.000
+25	32.610	-6.50	625.00	25.000
+50	33.137	-7.00	650.00	25.000
+75	33.620	-7.30	675.00	25.000
7+0	34.060	-6.30	700.00	25.000
+25	34.455	-9.20	725.00	25.000
+50	34.807	-10.80	750.00	25.000
+75	35.115	-11.60	775.00	25.000
8+0	35.380	-11.00	800.00	25.000
+25	35.600	-11.80	825.00	25.000
+50	35.777	-11.90	850.00	25.000
+75	35.910	-12.80	875.00	25.000
9+0	36.000	-13.60	900.00	25.000
+25	36.045	-14.20	925.00	25.000
+50	36.047	-14.80	950.00	25.000
+75	36.005	-15.20	975.00	25.000
10+0	35.920	-15.50	1000.00	25.000
+25	35.790	-16.10	1025.00	25.000
+50	35.617	-16.30	1050.00	25.000
+75	35.400	-16.10	1075.00	25.000
11+0	35.140	-16.00	1100.00	25.000

CURVE ELEMENT: R=∞ L=1329.405

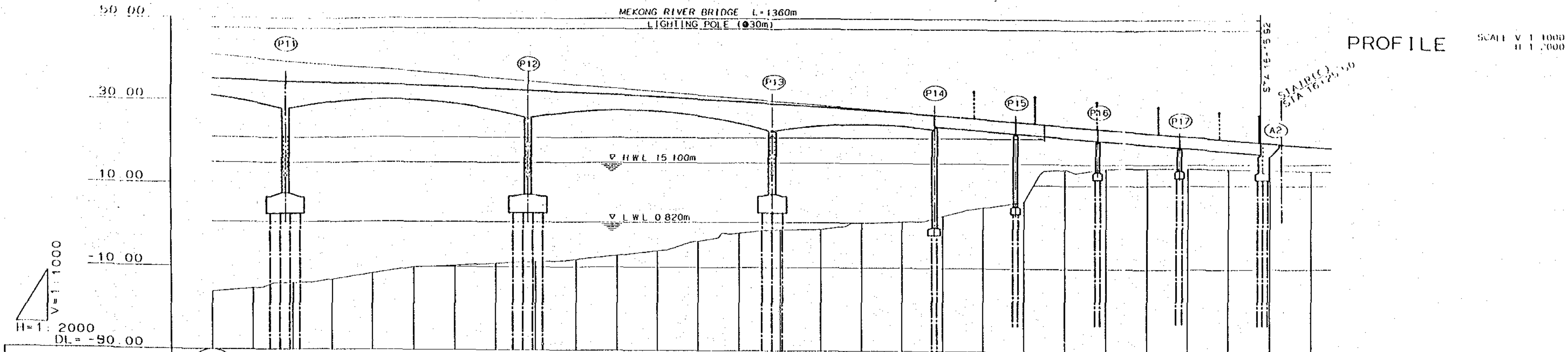
SUPERELEVATION: -1.5%

PLAN

SCALE 1:2000



JAPAN INTERNATIONAL COOPERATION AGENCY	BASIC DESIGN STUDY REPORT ON THE PROJECT FOR CONSTRUCTION OF A BRIDGE OVER THE MEKONG RIVER IN THE KINGDOM OF CAMBODIA	PLAN AND PROFILE(2) STA.5+50~11+00	SCALE AS SHOWN	DWG.No. 14

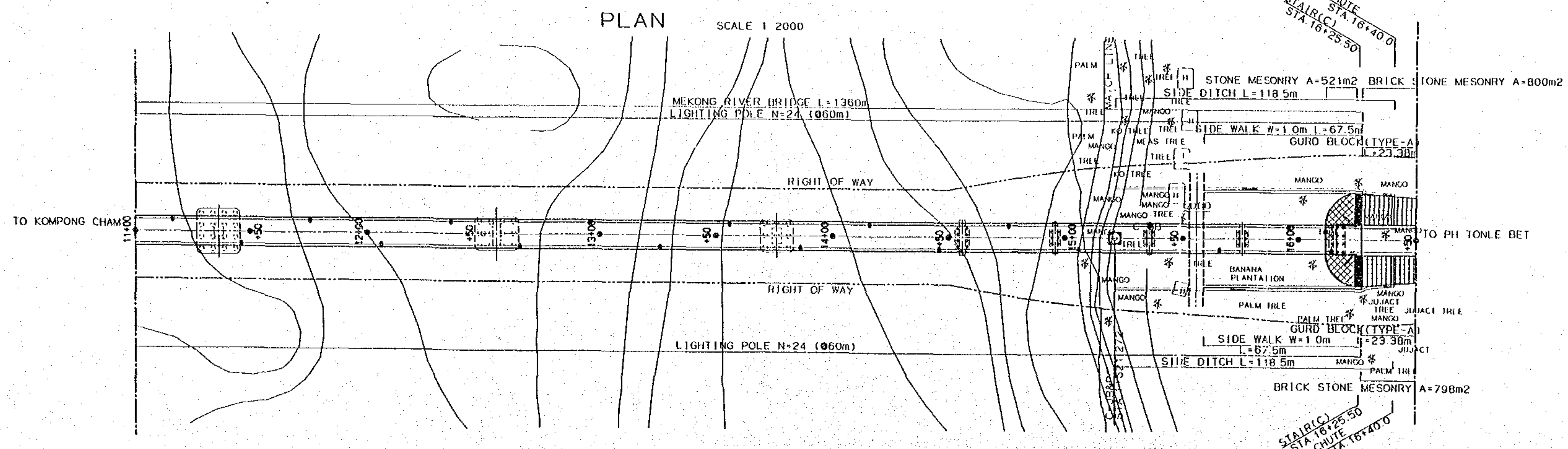


STATION	DESIGNHIGHT	EXISTINGLEVEL	ACCUMULATED DISTANCE	DISTANCE
11+ 0	35.140	-16.00	1100.00	20.000
+20	34.900		1120.00	20.000
+40	34.532		1140.00	20.000
+60	34.336		1160.00	20.000
+80	34.012		1180.00	20.000
12+ 0	33.650	-10.10	1200.00	20.000
+20	33.280		1220.00	20.000
+40	32.872		1240.00	20.000
+60	32.436		1260.00	20.000
+80	31.972		1280.00	20.000
13+ 0	31.480	-7.20	1300.00	20.000
+20	30.960		1320.00	20.000
+40	30.412		1340.00	20.000
+60	29.836		1360.00	20.000
+80	29.232		1380.00	20.000
14+ 0	28.600	-0.80	1400.00	20.000
+20	27.940		1420.00	20.000
+40	27.252		1440.00	20.000
+60	26.536		1460.00	20.000
+80	25.792		1480.00	20.000
15+ 0	25.020	6.00	1500.00	20.000
+20	24.223		1520.00	20.000
+40	23.423		1540.00	20.000
+60	22.623		1560.00	20.000
+80	21.823		1580.00	20.000
16+ 0	21.023	13.95	1600.00	20.000
+20	20.223		1620.00	20.000
+40	19.423		1640.00	20.000

GRADIENT: 41.023 — I=4.000% L=705.000 — 19.023

CURVEELEMENT: R=∞ L=1329.405

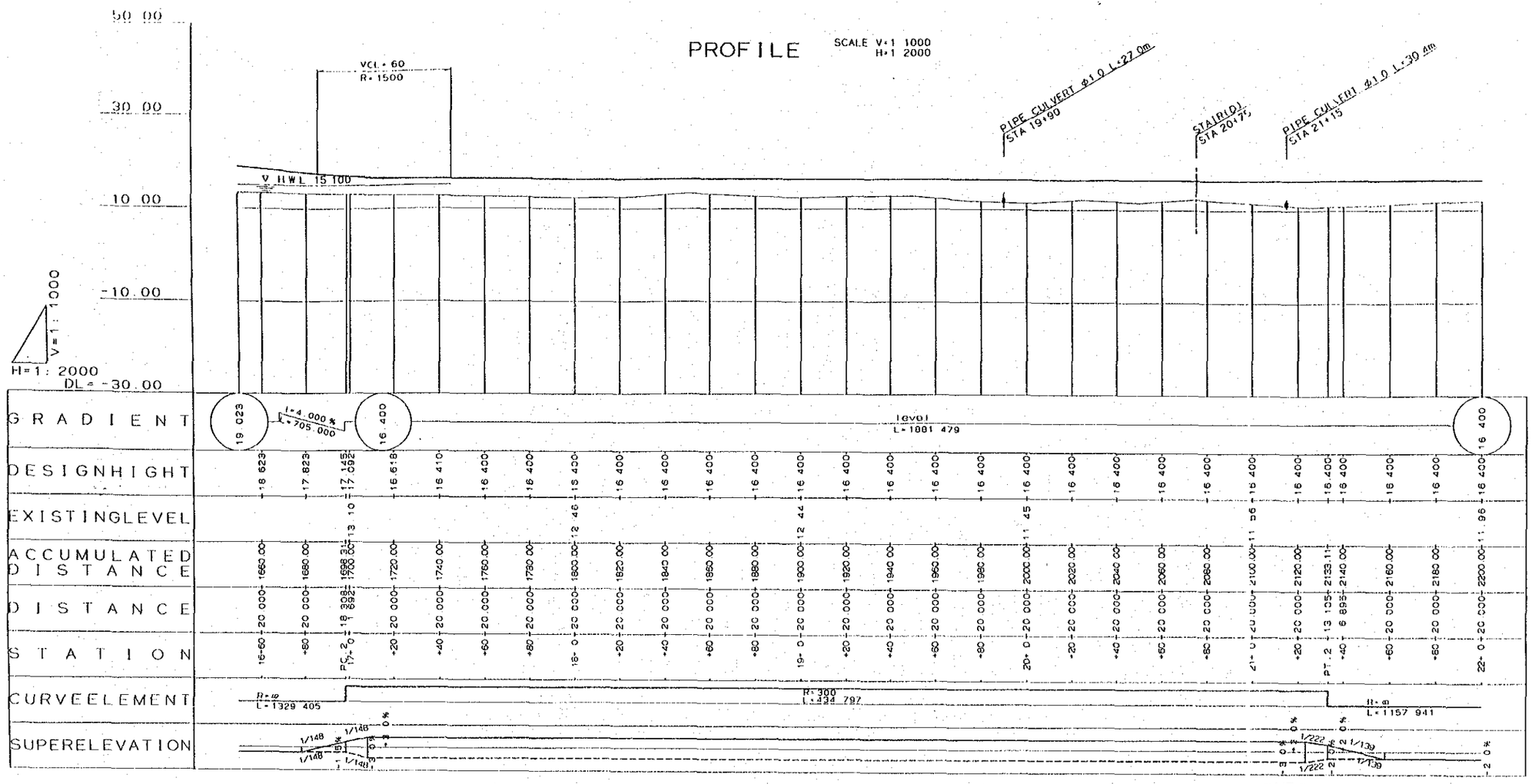
SUPERELEVATION: 1.5%



JAPAN INTERNATIONAL COOPERATION AGENCY	BASIC DESIGN STUDY REPORT ON THE PROJECT FOR CONSTRUCTION OF A BRIDGE OVER THE MEKONG RIVER IN THE KINGDOM OF CAMBODIA	PLAN AND PROFILE(3) STA.11+00~16+40	SCALE AS SHOWN	DWG No. 15

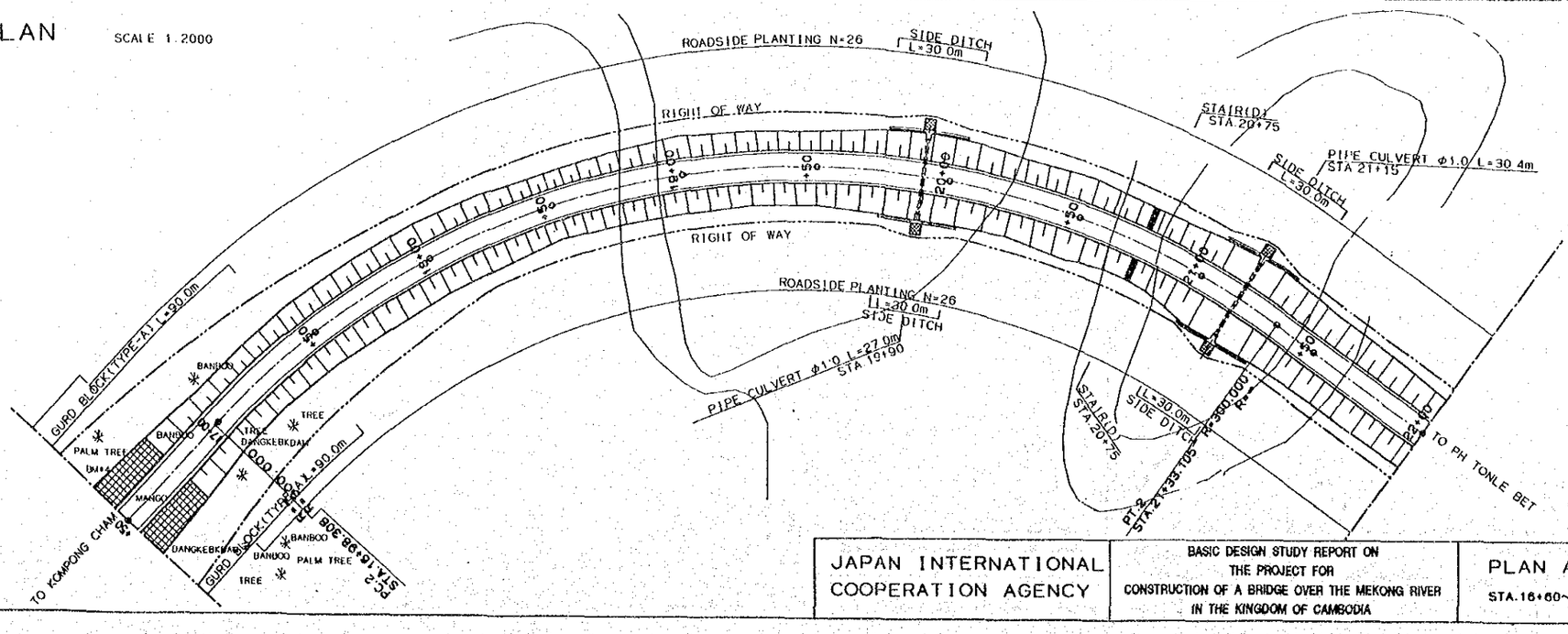
PROFILE

SCALE V=1 1000
H=1 2000



PLAN

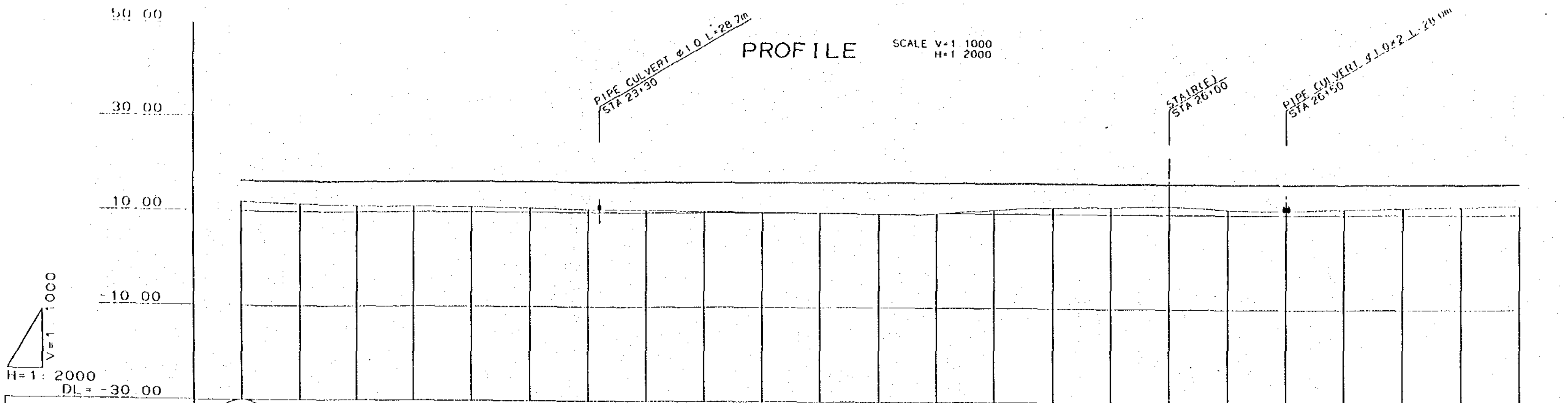
SCALE 1 2000



JAPAN INTERNATIONAL COOPERATION AGENCY	BASIC DESIGN STUDY REPORT ON THE PROJECT FOR CONSTRUCTION OF A BRIDGE OVER THE MEKONG RIVER IN THE KINGDOM OF CAMBODIA	PLAN AND PROFILE(4) STA.16+60~22+00	SCALE AS SHOWN / DWG No. 16

PROFILE

SCALE V=1 1000 H=1 2000



GRADIENT: 16.400 — level L=1881.479 — 16.400

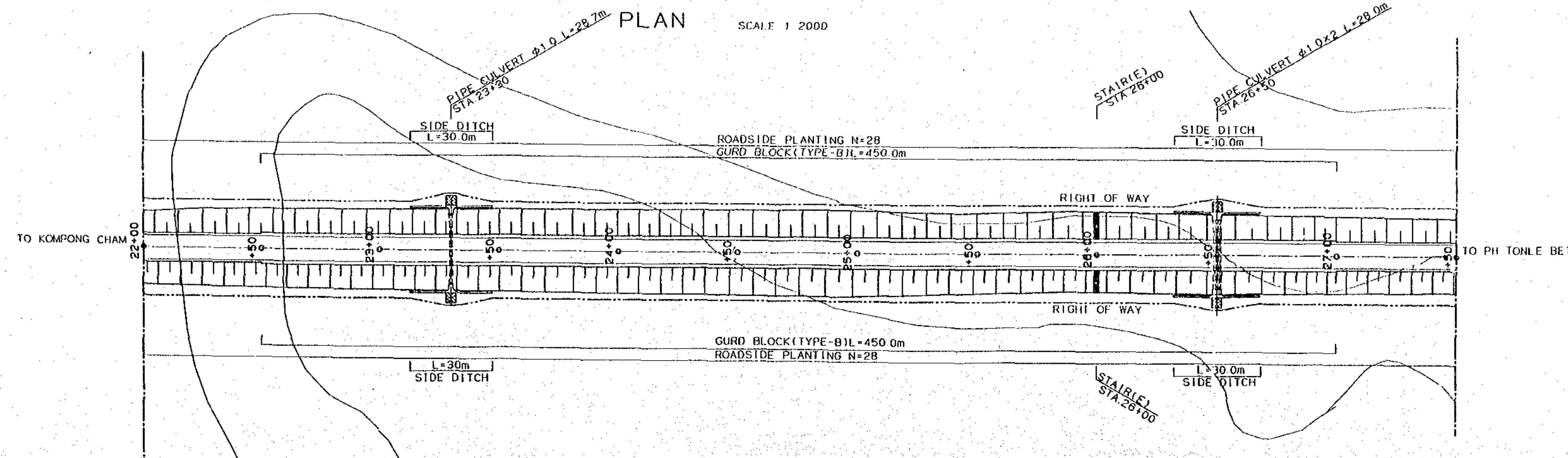
STATION	DISTANCE	ACCUMULATED DISTANCE	EXISTING LEVEL	DESIGN HIGHT
22+0	25.000	2200.00	11.96	16.400
+25	25.000	2225.00	11.66	16.400
+50	25.000	2250.00	11.21	16.400
+75	25.000	2275.00	11.17	16.400
23+0	25.000	2300.00	11.00	16.400
+25	25.000	2325.00	10.63	16.400
+50	25.000	2350.00	10.66	16.400
+75	25.000	2375.00	10.49	16.400
24+0	25.000	2400.00	10.32	16.400
+25	25.000	2425.00	10.15	16.400
+50	25.000	2450.00	9.98	16.400
+75	25.000	2475.00	9.80	16.400
25+0	25.000	2500.00	9.95	16.400
+25	25.000	2525.00	10.75	16.400
+50	25.000	2550.00	11.35	16.400
+75	25.000	2575.00	11.56	16.400
26+0	25.000	2600.00	11.53	16.400
+25	25.000	2625.00	11.15	16.400
+50	25.000	2650.00	10.95	16.400
+75	25.000	2675.00	11.21	16.400
27+0	25.000	2700.00	11.46	16.400
+25	25.000	2725.00	11.73	16.400
+50	25.000	2750.00	11.89	16.400

CURVEELEMENT: R=∞ L=1157.941

SUPERELEVATION: -2.0%

PLAN

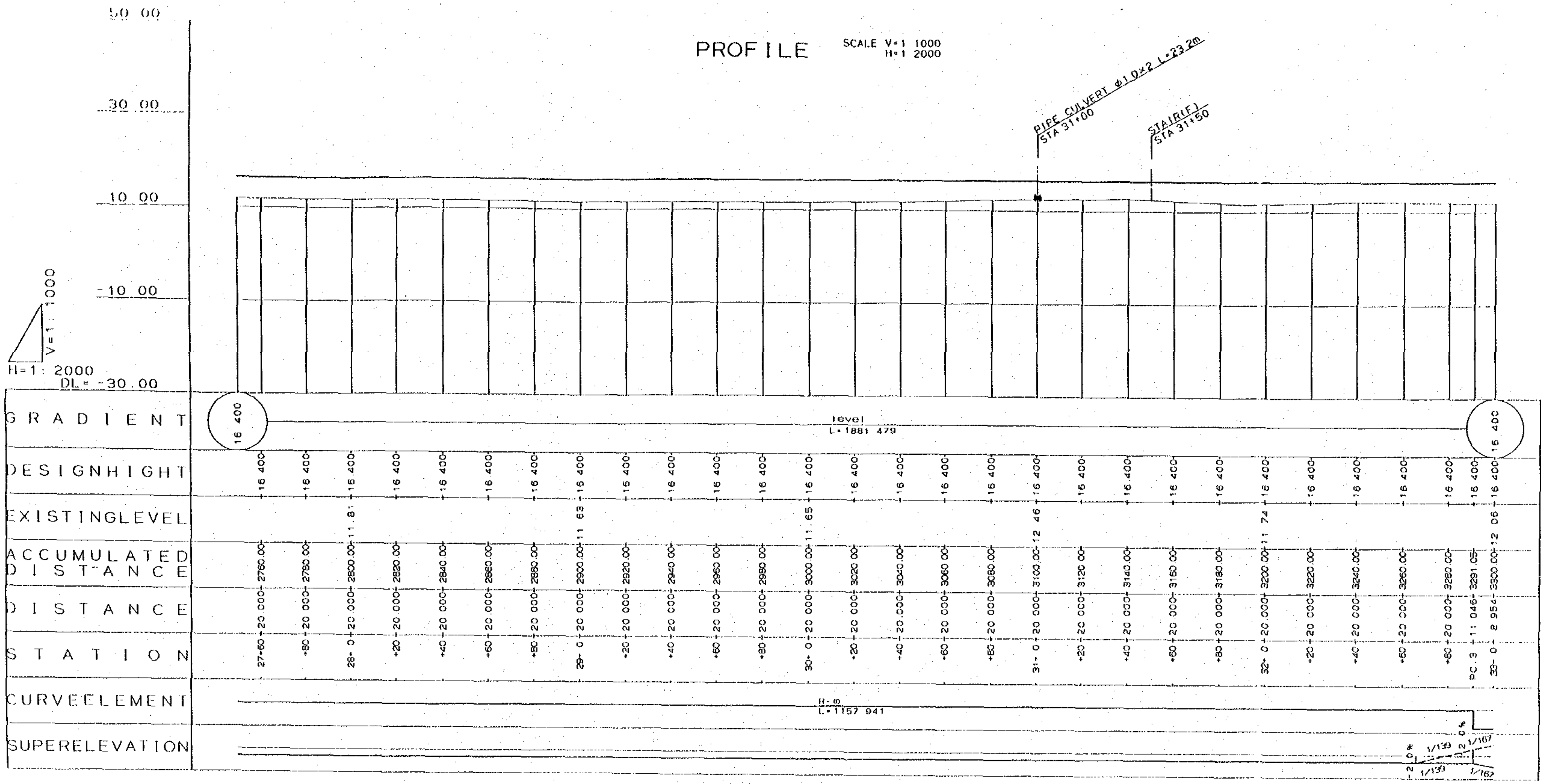
SCALE 1 2000



JAPAN INTERNATIONAL COOPERATION AGENCY	BASIC DESIGN STUDY REPORT ON THE PROJECT FOR CONSTRUCTION OF A BRIDGE OVER THE MEKONG RIVER IN THE KINGDOM OF CAMBODIA	PLAN AND PROFILE(5) STA.22+00~27+50	SCALE AS SHOWN	DWG No. 17

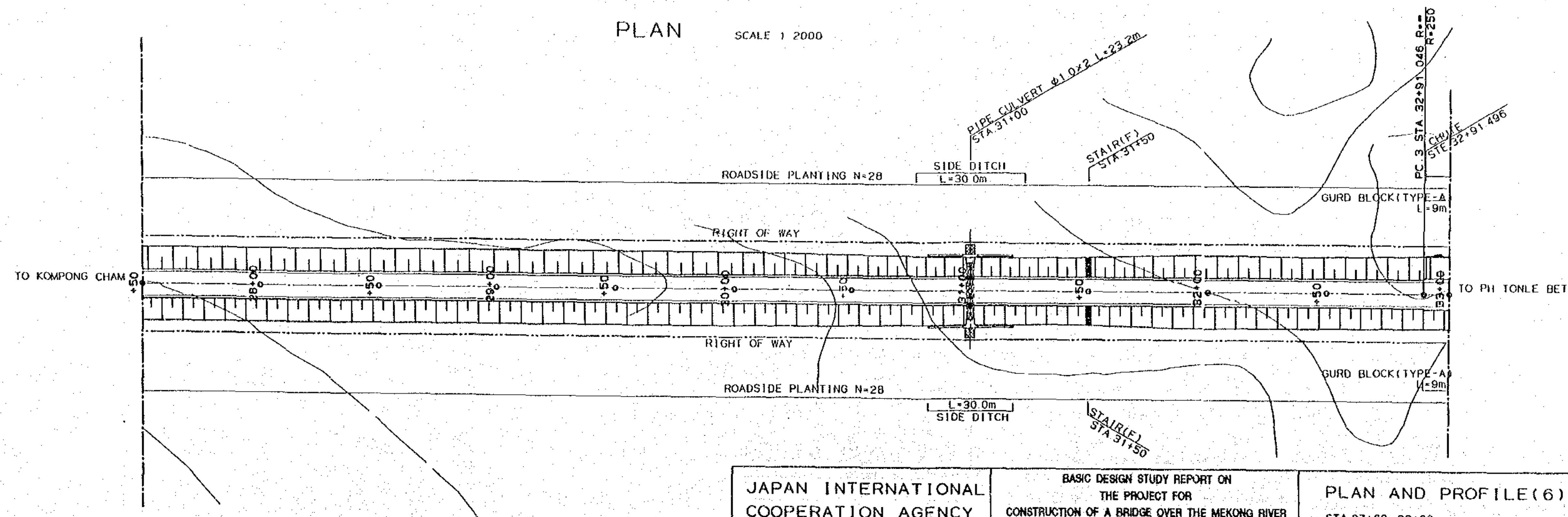
PROFILE

SCALE V=1:1000 H=1:2000



PLAN

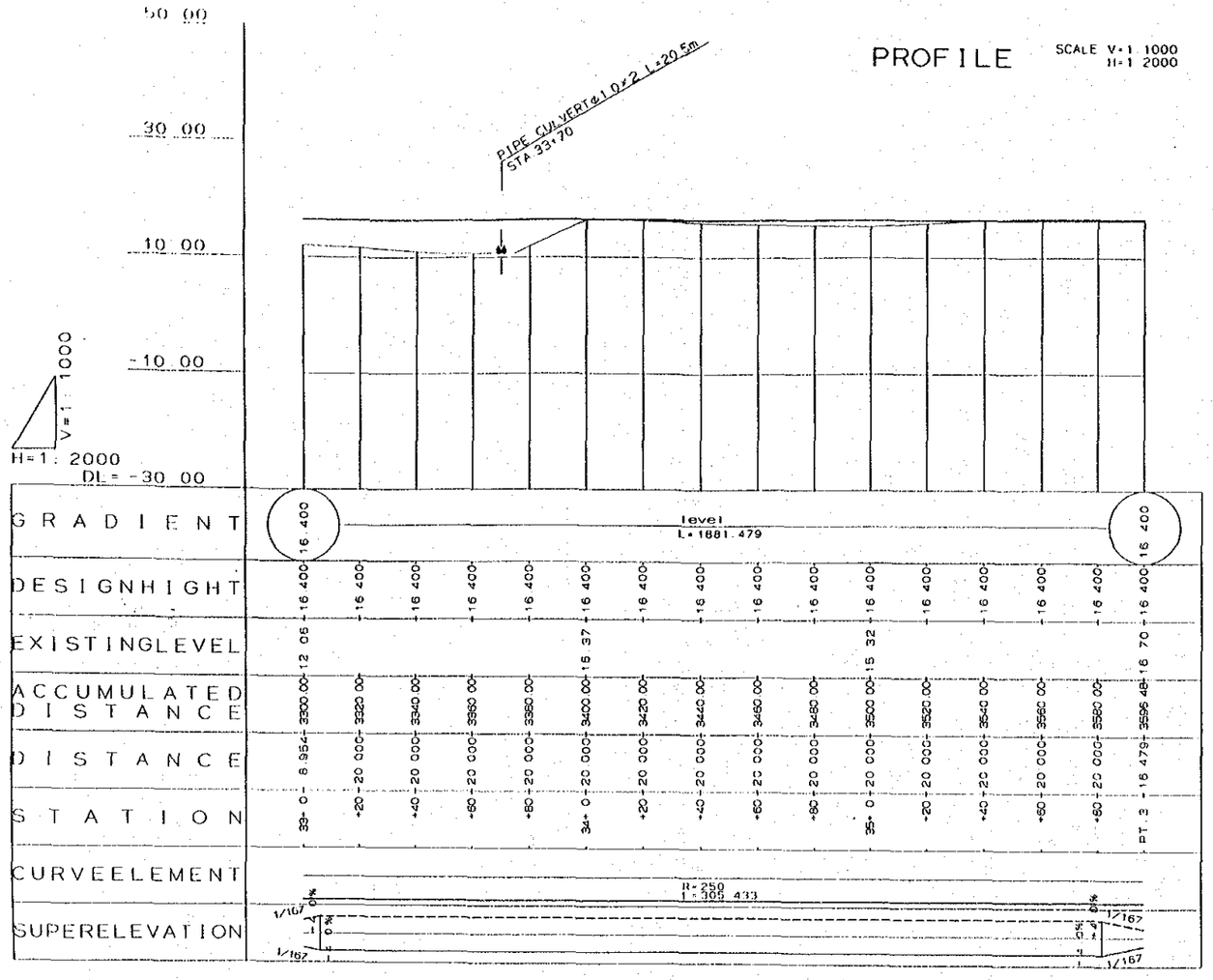
SCALE 1:2000



JAPAN INTERNATIONAL COOPERATION AGENCY	BASIC DESIGN STUDY REPORT ON THE PROJECT FOR CONSTRUCTION OF A BRIDGE OVER THE MEKONG RIVER IN THE KINGDOM OF CAMBODIA	PLAN AND PROFILE(6) STA.27+60~33+60	SCALE AS SHOWN	DWG NO. 18

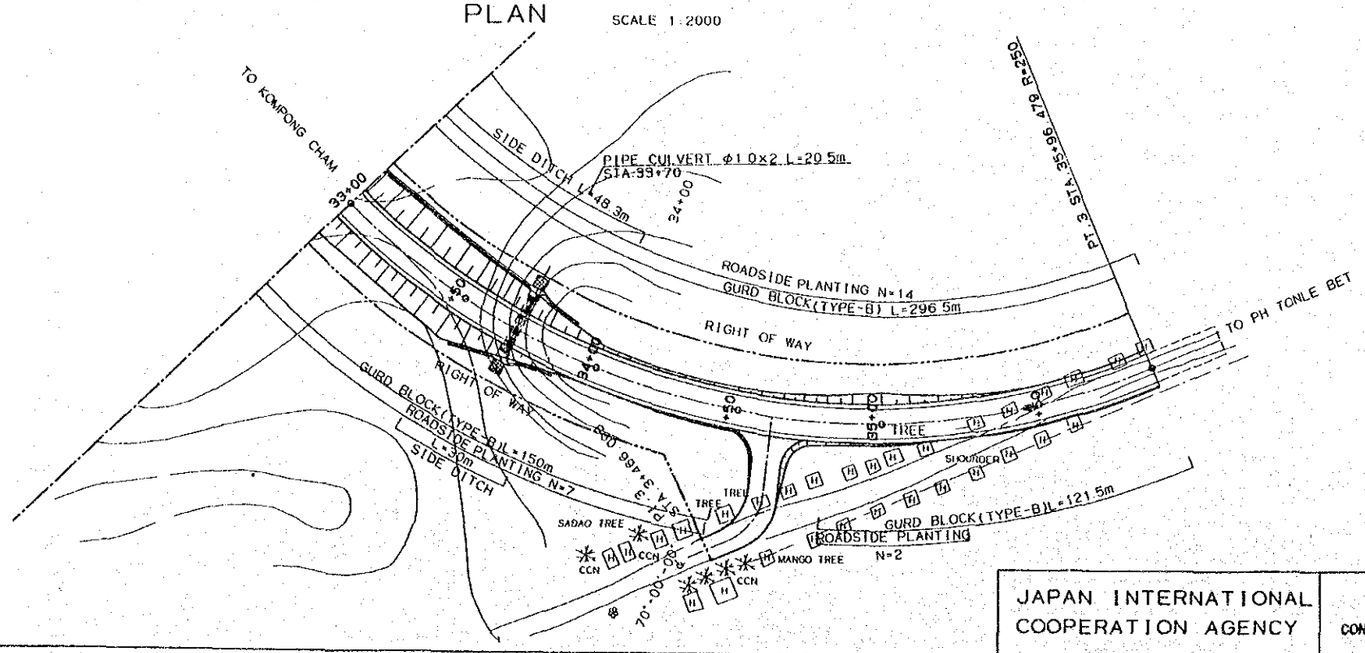
PROFILE

SCALE V:1/1000 H:1/2000



PLAN

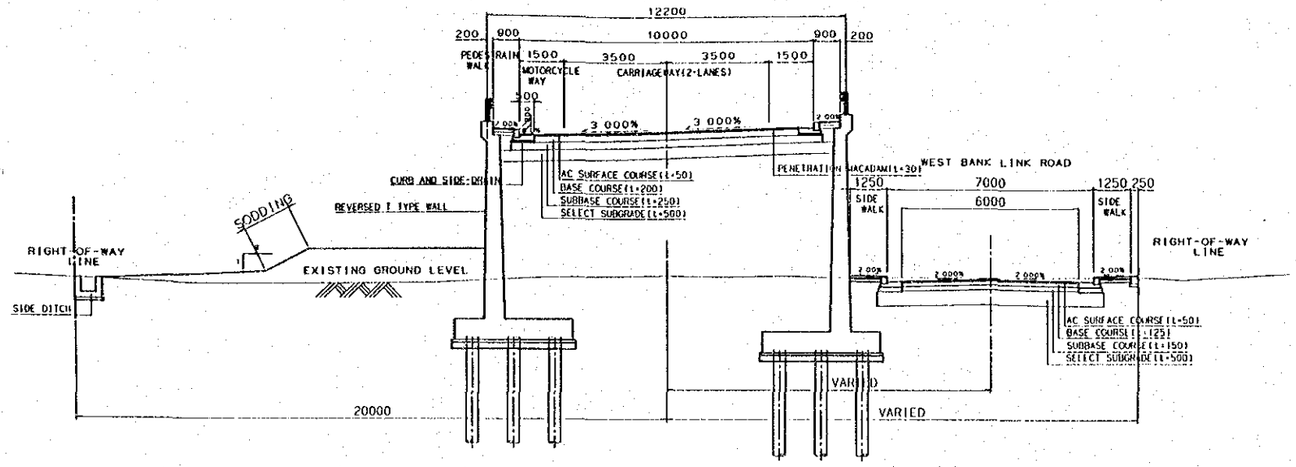
SCALE 1:2000



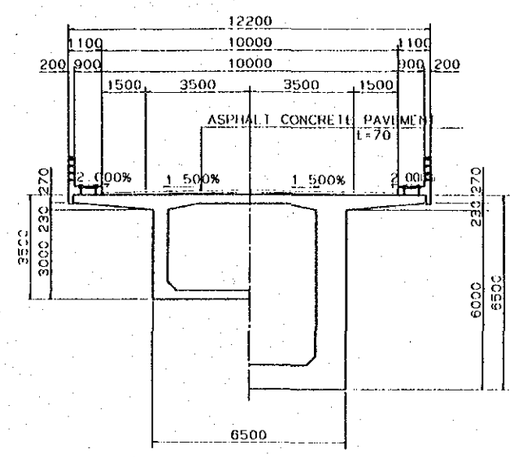
JAPAN INTERNATIONAL COOPERATION AGENCY	BASIC DESIGN STUDY REPORT ON THE PROJECT FOR CONSTRUCTION OF A BRIDGE OVER THE MEKONG RIVER IN THE KINGDOM OF CAMBODIA	PLAN AND PROFILE(7) STA.33+00~35+96.48	SCALE AS SHOWN	DWG No. 19

TYPICAL CROSS SECTION (1) SCALE 1:100

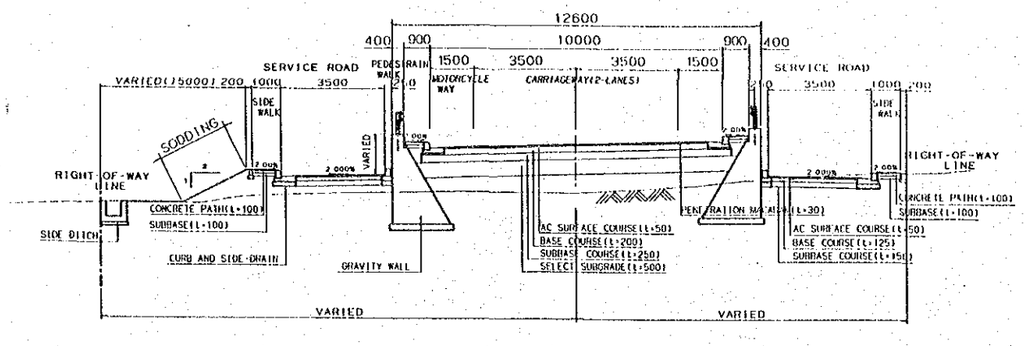
WEST BANK APPROACH ROAD AND LINK ROAD

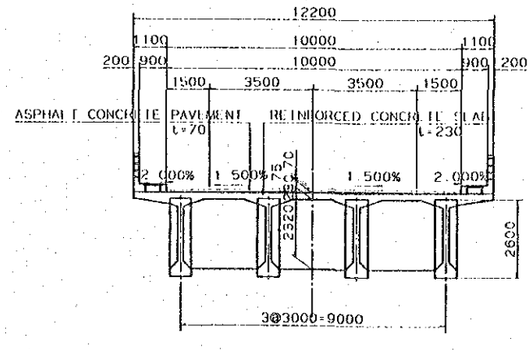


BRIDGE SECTION



WEST BANK APPROACH ROAD AND SERVICE ROAD



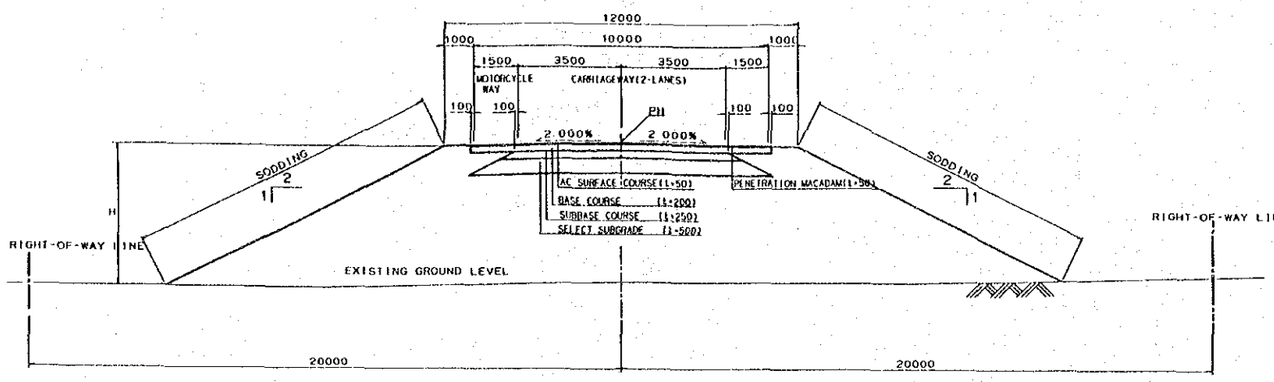


JAPAN INTERNATIONAL COOPERATION AGENCY	BASIC DESIGN STUDY REPORT ON THE PROJECT FOR CONSTRUCTION OF A BRIDGE OVER THE MEKONG RIVER IN THE KINGDOM OF CAMBODIA	TYPICAL CROSS SECTION (1)	SCALE 1:100	DWG No. 20

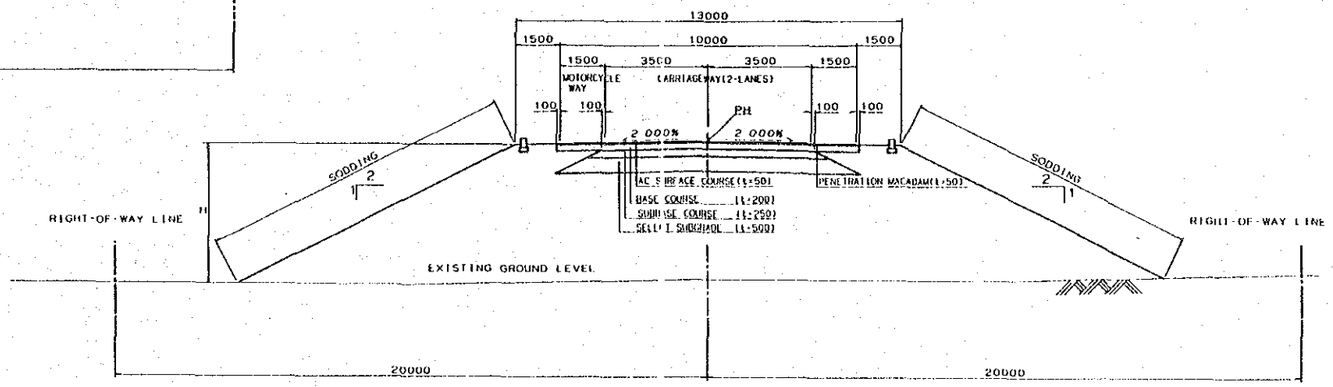
TYPICAL CROSS SECTION (2) SCALE 1:100

EAST BANK APPROACH ROAD

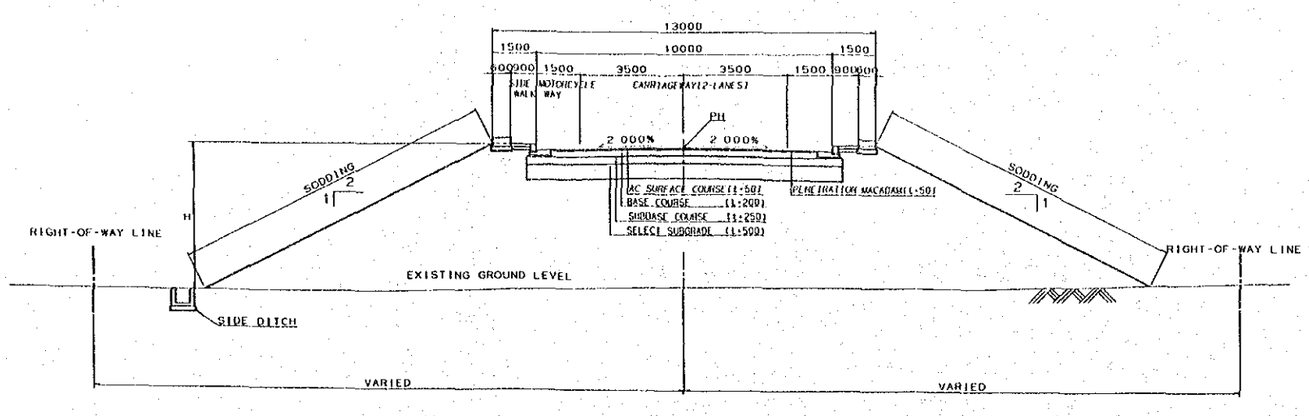
STA.17+40~STA.22+50.
STA.27+ 0~STA.32+91.046
(H(5m)



STA.22+50~STA.27+0
(H)5m)
STA.32+91.046~STA35+96.479



STA.16+15.920~STA.17+40.

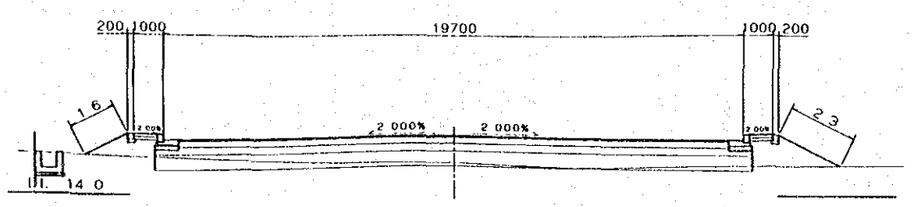


JAPAN INTERNATIONAL COOPERATION AGENCY	BASIC DESIGN STUDY REPORT ON THE PROJECT FOR CONSTRUCTION OF A BRIDGE OVER THE MEKONG RIVER IN THE KINGDOM OF CAMBODIA	TYPICAL CROSS SECTION (2)	SCALE 1:100	DWG.No. 21

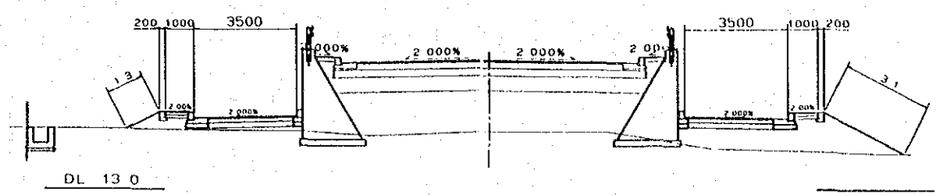
2000/OCT

CROSS SECTION (1) SCALE 1:200

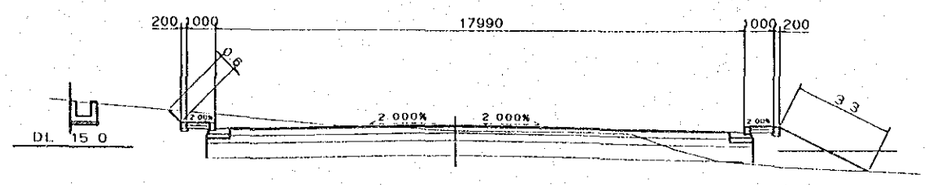
STA. 0+50
GH=15.1
PH=16.006



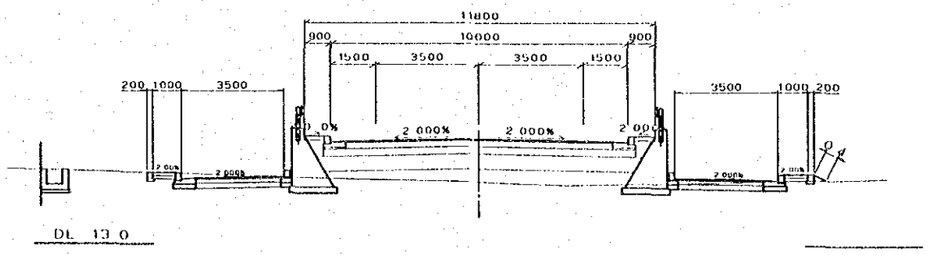
STA. 1
GH=15.0
PH=17.323



STA. 0+25
GH=15.6
PH=15.803



STA. 0+75
GH=15.1
PH=16.573



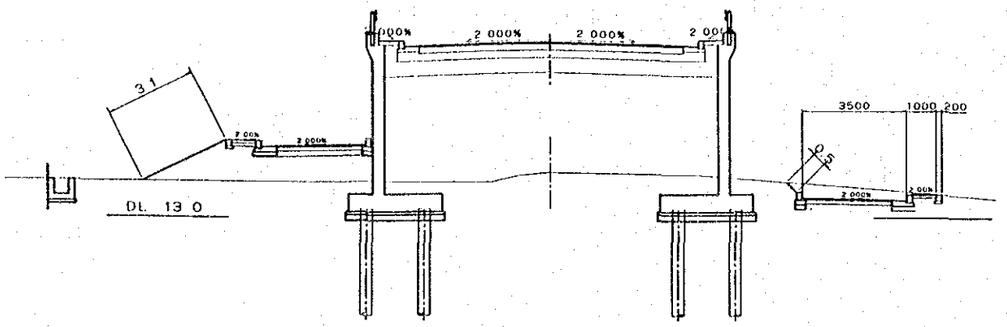
STA. 0
GH=15.7
PH=15.900

DL. 15.0

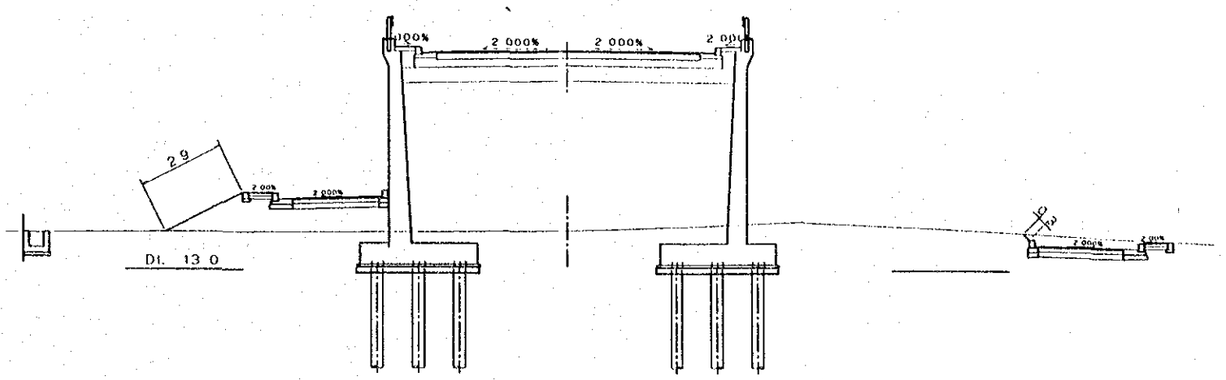
JAPAN INTERNATIONAL COOPERATION AGENCY	BASIC DESIGN STUDY REPORT ON THE PROJECT FOR CONSTRUCTION OF A BRIDGE OVER THE MEKONG RIVER IN THE KINGDOM OF CAMBODIA	CROSS SECTION (1)	SCALE 1:200	DWG.No. 22

CROSS SECTION (2) SCALE 1 200

STA. 1+50
GH=14 5
PH=18 823

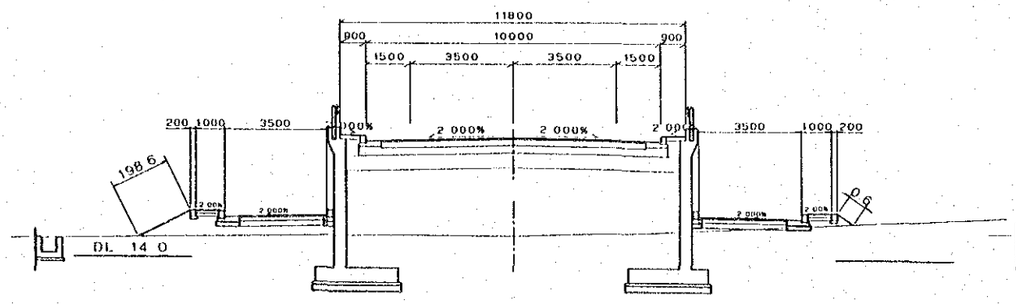


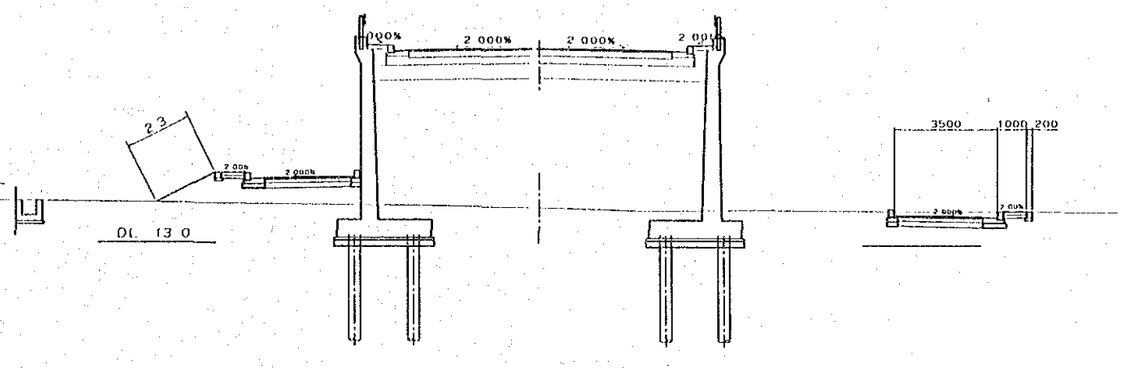
STA. 2
GH=14 3
PH=20 323



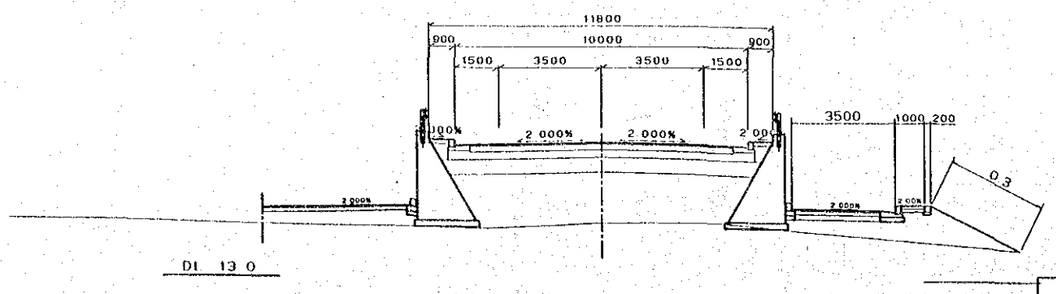
STA. 1+75
GH 14 2
PH 19 573

STA. 1+25
GH=14 8
PH=18 073





STA. 1+9.2
GH=14 9
PH=17 600

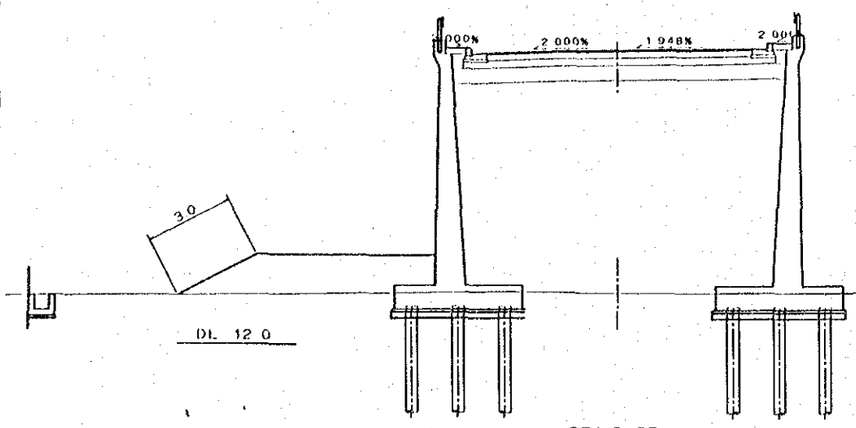


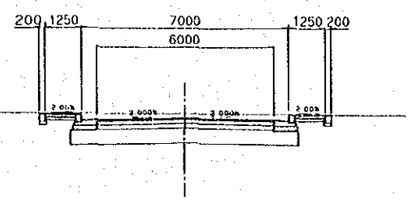
JAPAN INTERNATIONAL COOPERATION AGENCY	BASIC DESIGN STUDY REPORT ON THE PROJECT FOR CONSTRUCTION OF A BRIDGE OVER THE MEKONG RIVER IN THE KINGDOM OF CAMBODIA	CROSS SECTION (2)	SCALE 1:200	DWG No. 23

CROSS SECTION (3)

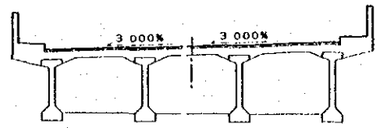
SCALE 1 200

STA. 2+50
GH=13 7
PH=21 823



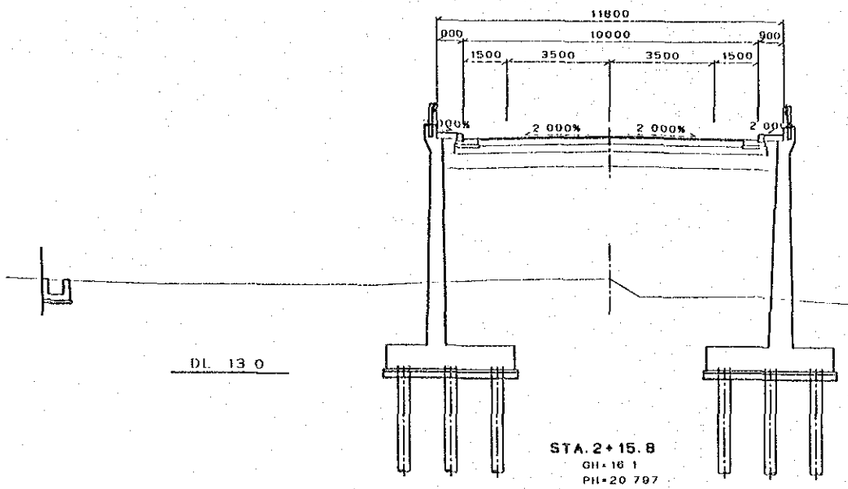


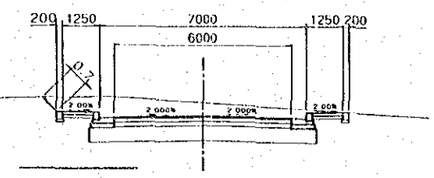
STA. 3
GH=15 2
PH=23 323



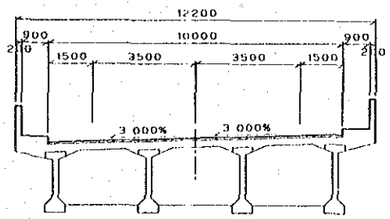
DL 15.0

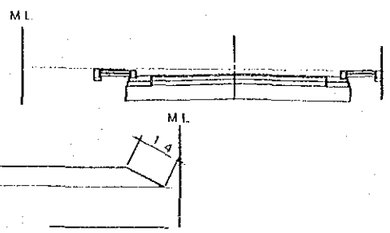
STA. 2+25
GH=16 3
PH=21 073



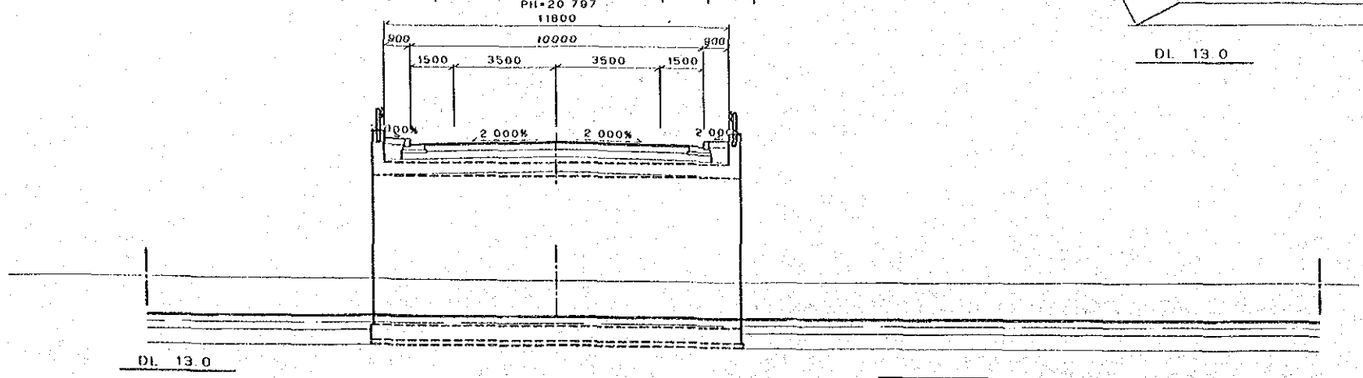


STA. 2+75
GH=14 5
PH=22 573





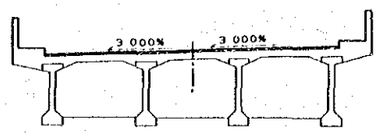
STA. 2+15.8
GH=16 1
PH=20 797



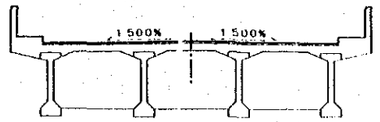
JAPAN INTERNATIONAL COOPERATION AGENCY	BASIC DESIGN STUDY REPORT ON THE PROJECT FOR CONSTRUCTION OF A BRIDGE OVER THE MEKONG RIVER IN THE KINGDOM OF CAMBODIA	CROSS SECTION (3)	SCALE 1:200	DWG No. 24

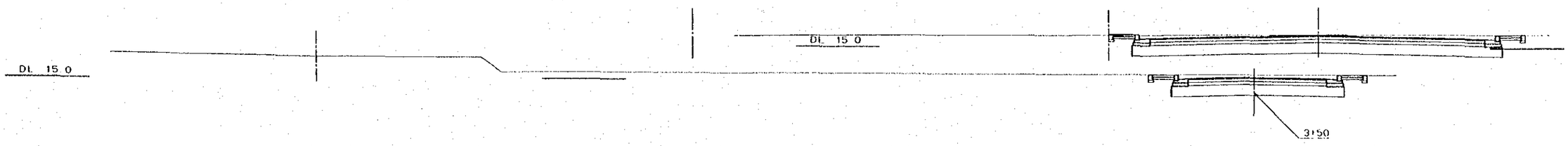
CROSS SECTION (4) SCALE 1 200

STA. 3+50
GH=16 0
PH=24 823



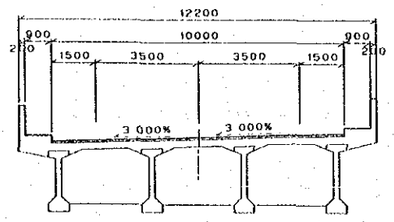
STA. 3+95.7
GH=15 6
PH=26 193

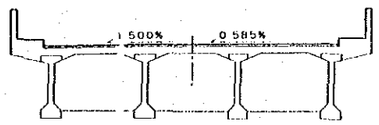


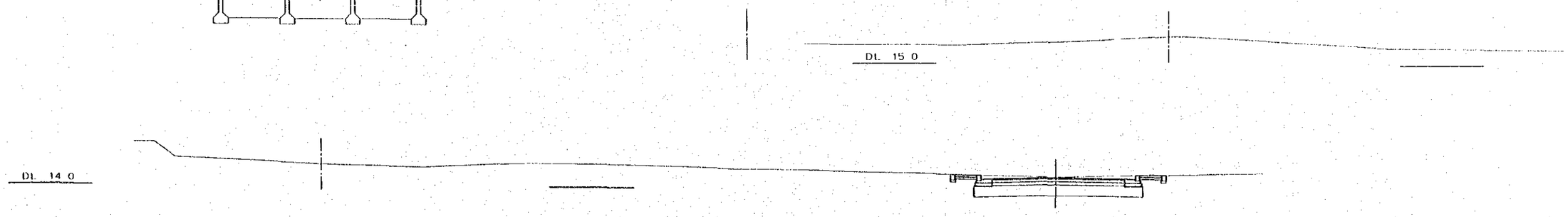


STA. 3+75
GH=16 3
PH=25 573

STA. 3+25
GH=15 0
PH=24 073





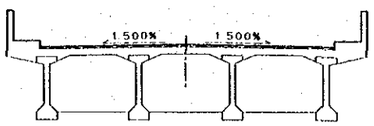


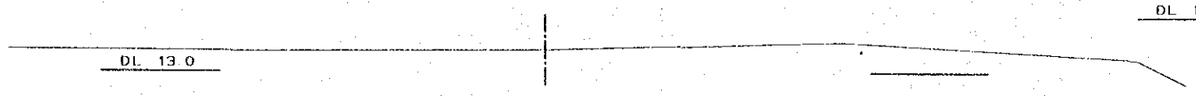
JAPAN INTERNATIONAL COOPERATION AGENCY	BASIC DESIGN STUDY REPORT ON THE PROJECT FOR CONSTRUCTION OF A BRIDGE OVER THE MEKONG RIVER IN THE KINGDOM OF CAMBODIA	CROSS SECTION (4)	SCALE 1:200	DWG No. 25

NE-0-24

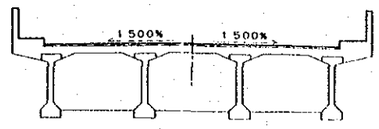
CROSS SECTION (5) SCALE 1 200

STA. 15+21.3
GH=13 8
PH=24 172



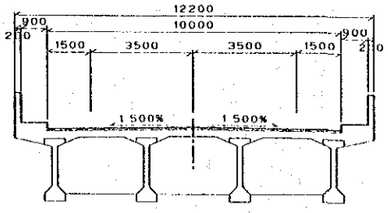


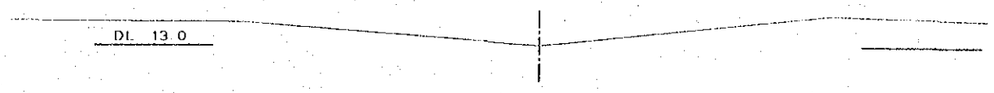
STA. 15+50
GH=14 2
PH=23 023

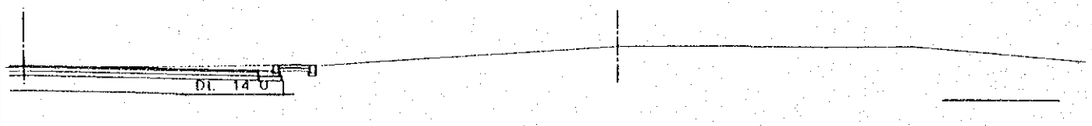


STA. 15+25
GH=13 0
PH=24 023

STA. 4+0.9
GH=15 7
PH=26 351



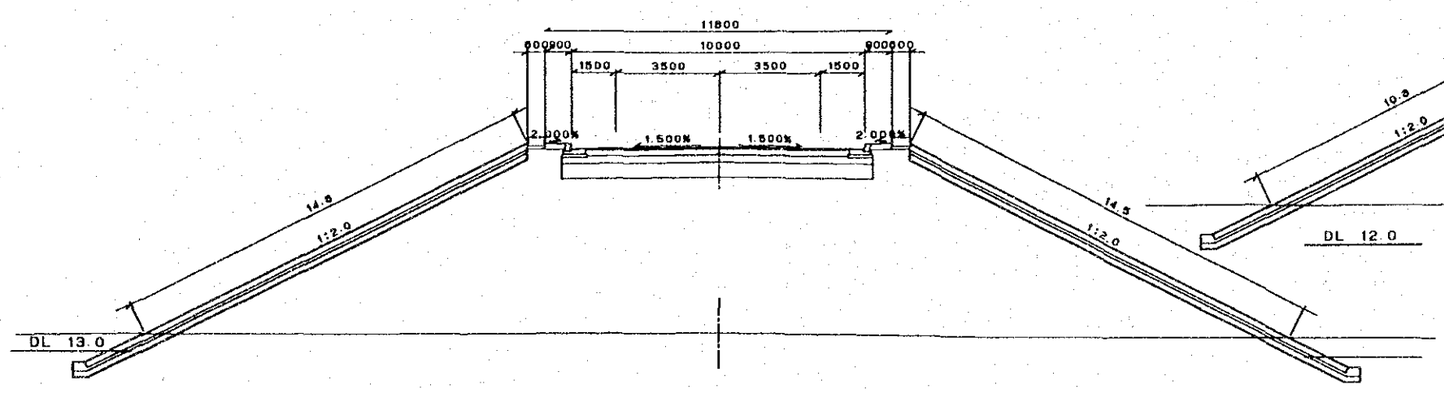




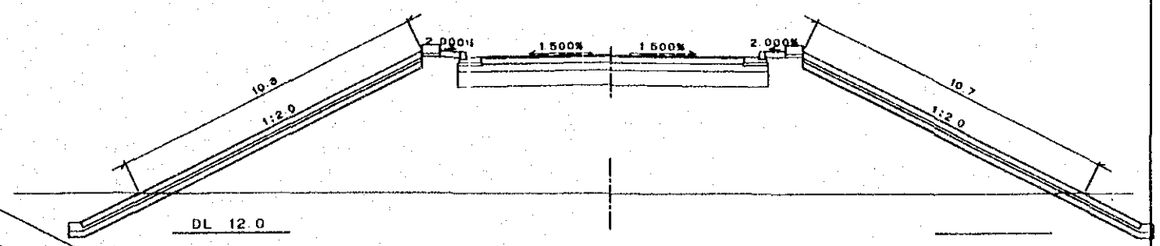
JAPAN INTERNATIONAL COOPERATION AGENCY	BASIC DESIGN STUDY REPORT ON THE PROJECT FOR CONSTRUCTION OF A BRIDGE OVER THE MEKONG RIVER IN THE KINGDOM OF CAMBODIA	CROSS SECTION (5)	SCALE 1:200	DWG No. 26

CROSS SECTION (6) SCALE 1:200

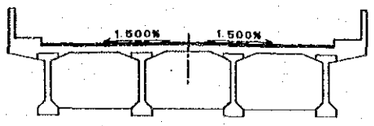
STA. 16+25
GH=13.7
PH=20.023



STA. 16+75
GH=13.4
PH=18.023

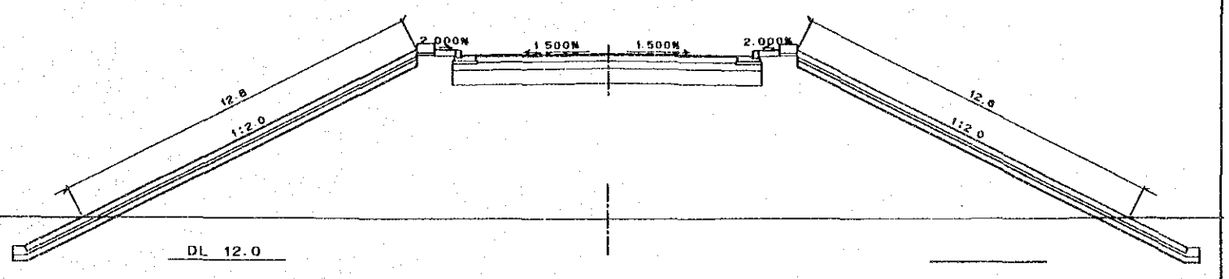


STA. 16
GH=13.9
PH=21.023



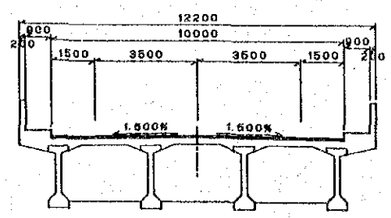
DL 13.0

STA. 16+50
GH=13.4
PH=19.023



DL 12.0

STA. 15+75
GH=14.2
PH=22.023



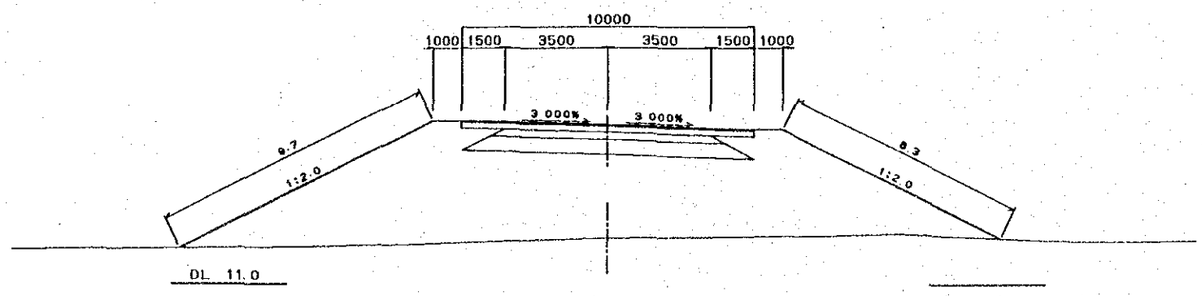
DL 13.0

JAPAN INTERNATIONAL COOPERATION AGENCY	BASIC DESIGN STUDY REPORT ON THE PROJECT FOR CONSTRUCTION OF A BRIDGE OVER THE MEKONG RIVER IN THE KINGDOM OF CAMBODIA	CROSS SECTION (6)	SCALE 1:200	DWG.No. 27

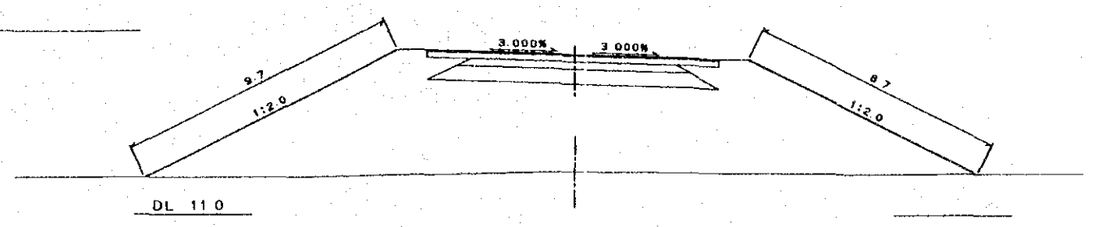
VE-CUDS

CROSS SECTION (7) SCALE 1:200

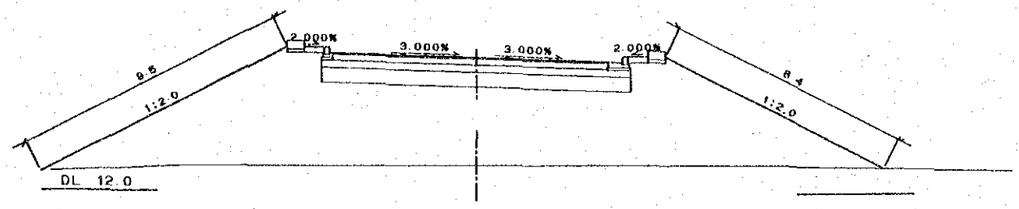
STA. 17+50
GH=12.6
PH=16.400



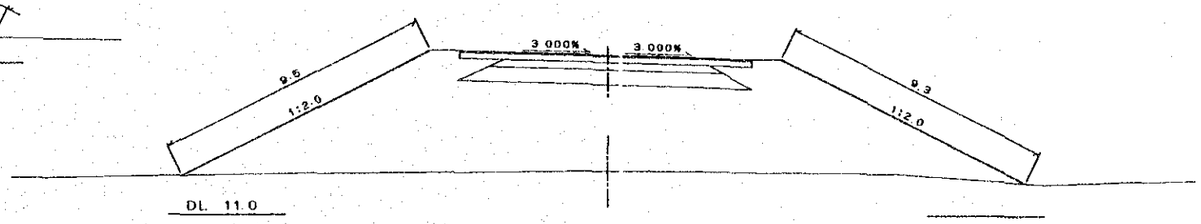
STA. 18
GH=12.5
PH=16.400



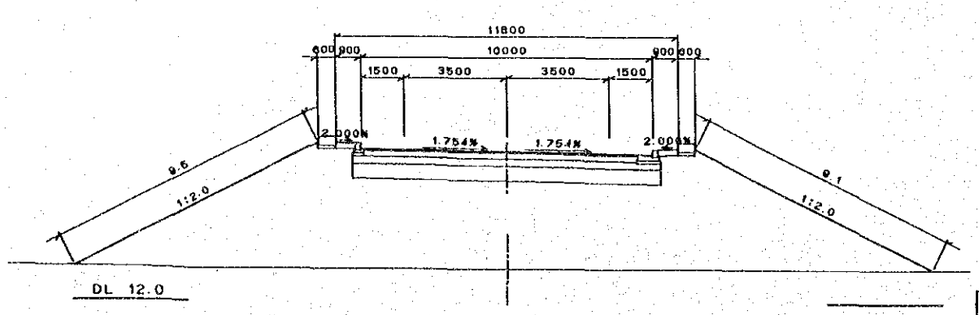
STA. 17+25
GH=12.9
PH=16.541



STA. 17+75
GH=13.5
PH=16.400



STA. 17
GH=13.1
PH=17.092

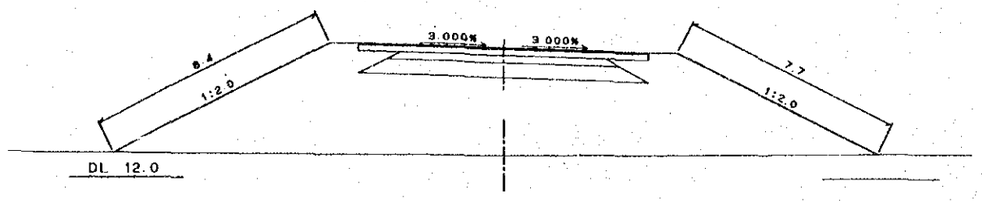


JAPAN INTERNATIONAL COOPERATION AGENCY	BASIC DESIGN STUDY REPORT ON THE PROJECT FOR CONSTRUCTION OF A BRIDGE OVER THE MEKONG RIVER IN THE KINGDOM OF CAMBODIA	CROSS SECTION (7)	SCALE 1:200	DWG.No. 28

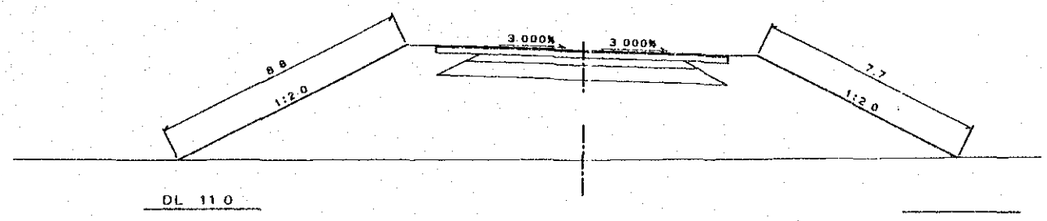
MS-0007

CROSS SECTION (8) SCALE 1:200

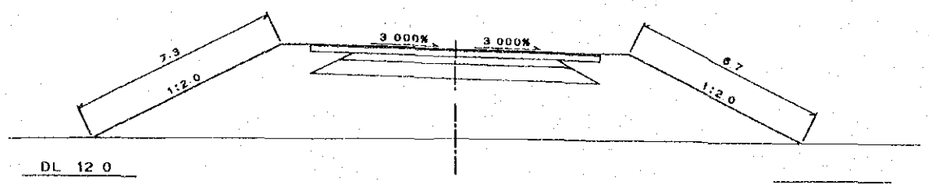
STA. 18+75
GH=12.8
PH=16.400



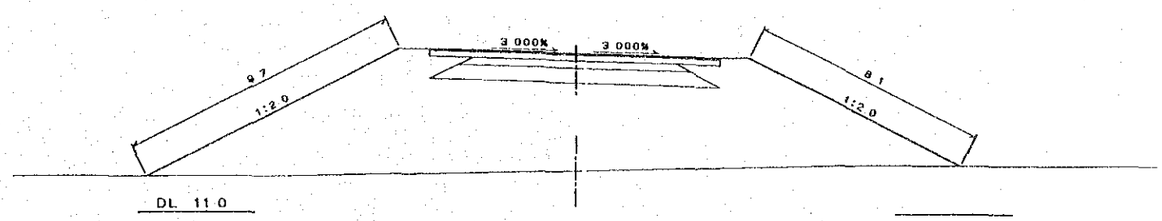
STA. 19+25
GH=12.7
PH=16.400



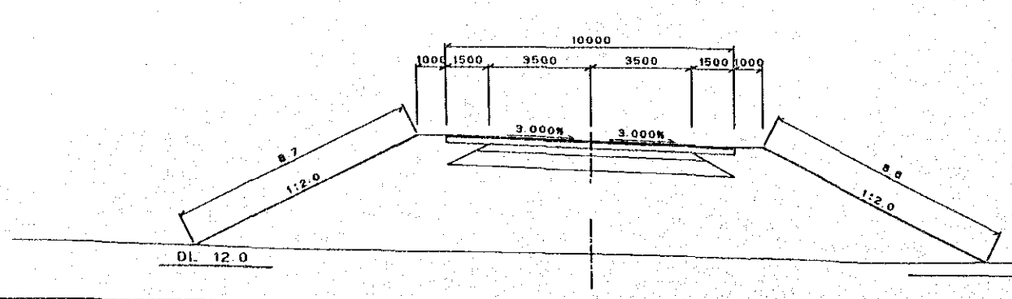
STA. 18+50
GH=13.4
PH=16.400



STA. 19
GH=12.4
PH=16.400



STA. 18+25
GH=12.6
PH=16.400

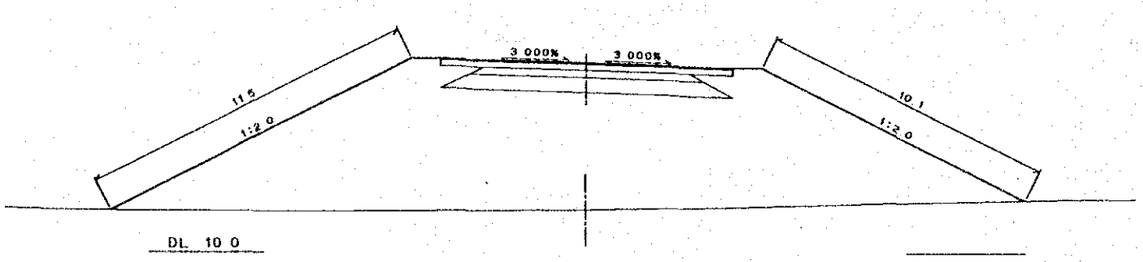


JAPAN INTERNATIONAL COOPERATION AGENCY	BASIC DESIGN STUDY REPORT ON THE PROJECT FOR CONSTRUCTION OF A BRIDGE OVER THE MEKONG RIVER IN THE KINGDOM OF CAMBODIA	CROSS SECTION (8)	SCALE 1:200	DWG No. 29

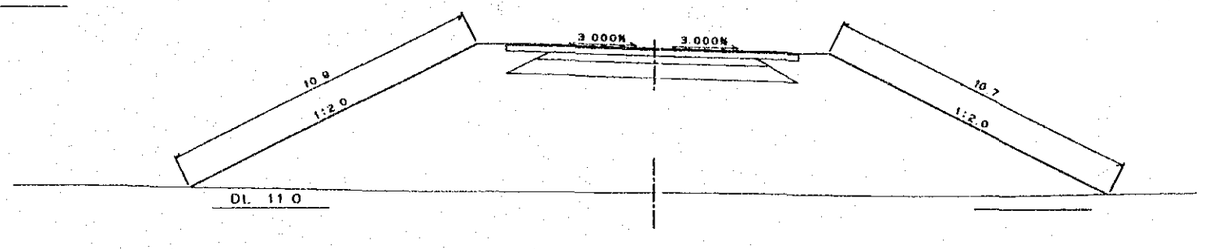
ME-DWG8

CROSS SECTION (9) SCALE 1:200

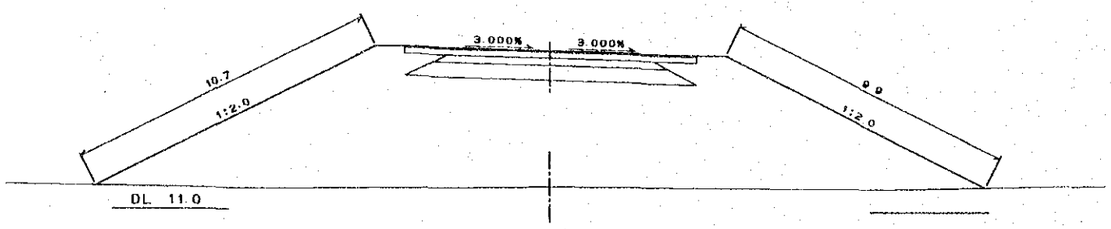
STA. 20
GH=11.5
PH=16.400



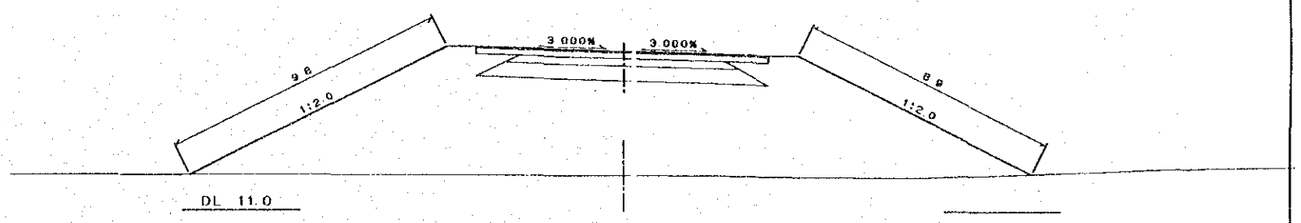
STA. 20+50
GH=11.6
PH=16.400



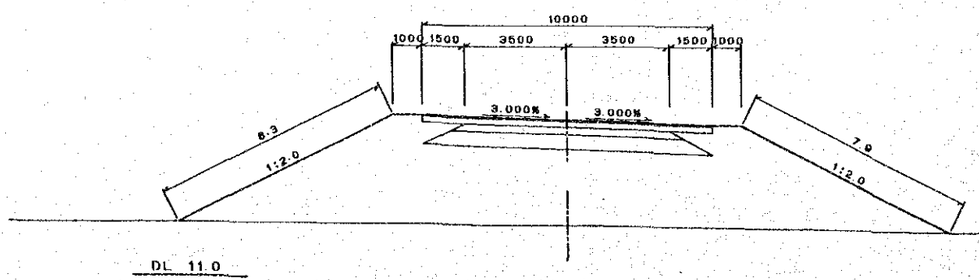
STA. 19+75
GH=11.8
PH=16.400



STA. 20+25
GH=11.2
PH=16.400



STA. 19+50
GH=12.0
PH=16.400

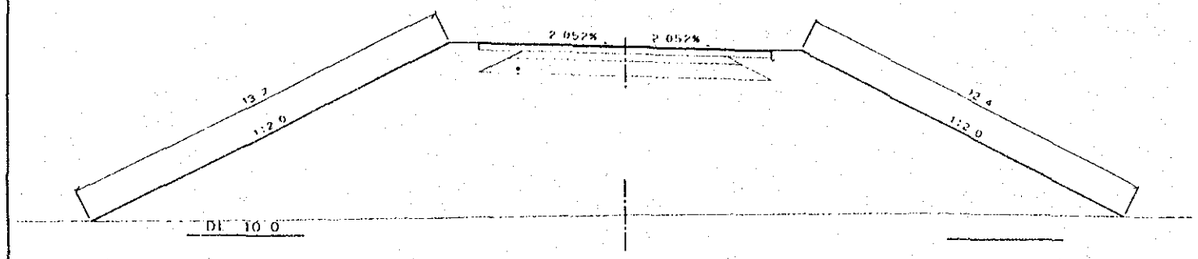


JAPAN INTERNATIONAL COOPERATION AGENCY	BASIC DESIGN STUDY REPORT ON THE PROJECT FOR CONSTRUCTION OF A BRIDGE OVER THE MEKONG RIVER IN THE KINGDOM OF CAMBODIA	CROSS SECTION (9)	SCALE 1:200	DWG.No. 30

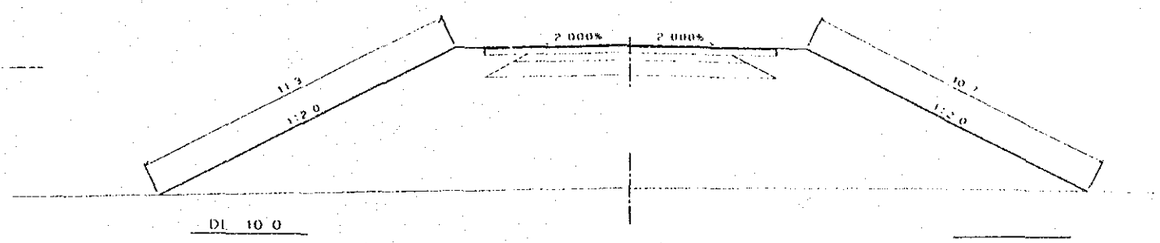
ME-DWG

CROSS SECTION (10) SCALE 1:200

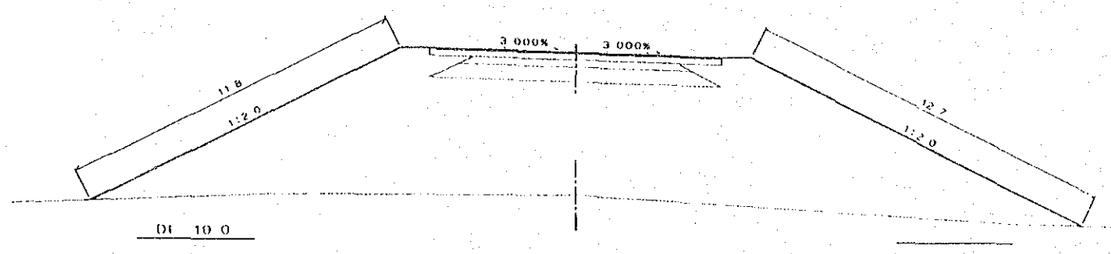
STA. 21+25
GH= 10 8
PH= 16 400



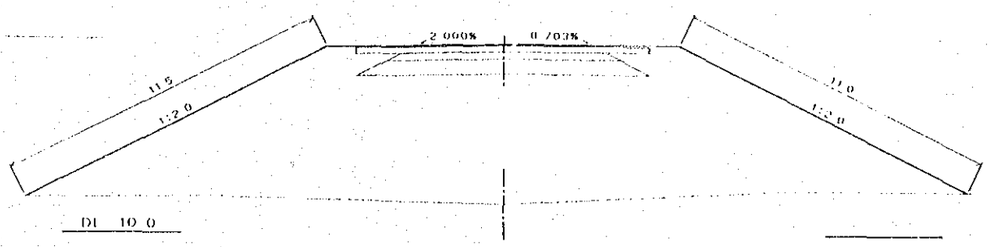
STA. 21+75
GH= 11 6
PH= 16 400



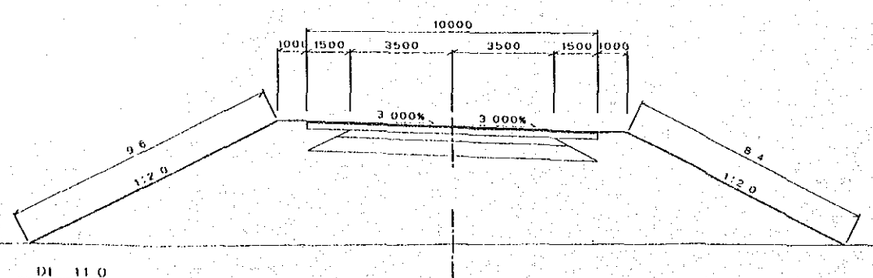
STA. 21
GH= 11 6
PH= 16 400



STA. 21+50
GH= 1 0
PH= 16 400



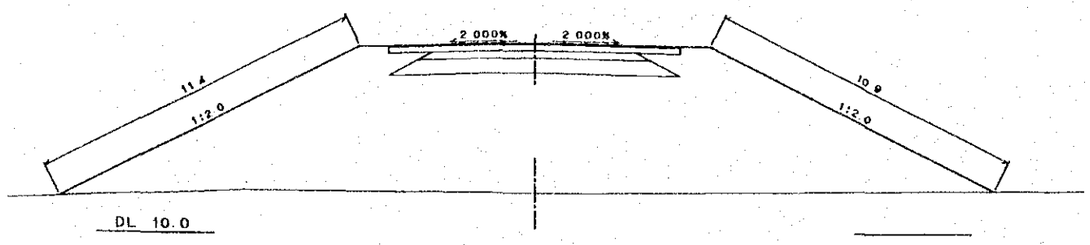
STA. 20+75
GH= 12 4
PH= 16 400



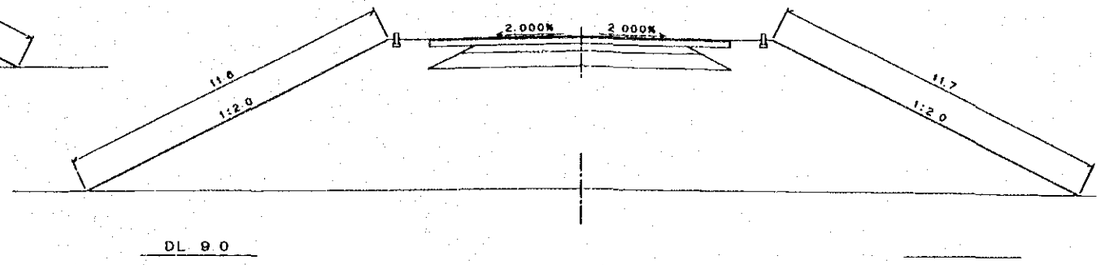
JAPAN INTERNATIONAL COOPERATION AGENCY	BASIC DESIGN STUDY REPORT ON THE PROJECT FOR CONSTRUCTION OF A BRIDGE OVER THE MEKONG RIVER IN THE KINGDOM OF CAMBODIA	CROSS SECTION (10)	SCALE 1:200	DWG No 31

CROSS SECTION (11) SCALE 1:200

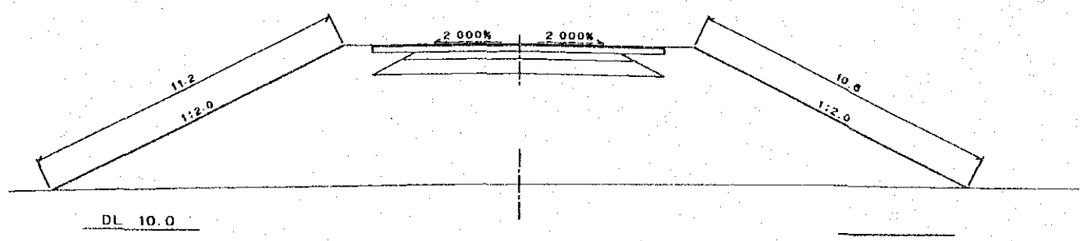
STA. 22+48.3
GH=11.4
PH=16.400



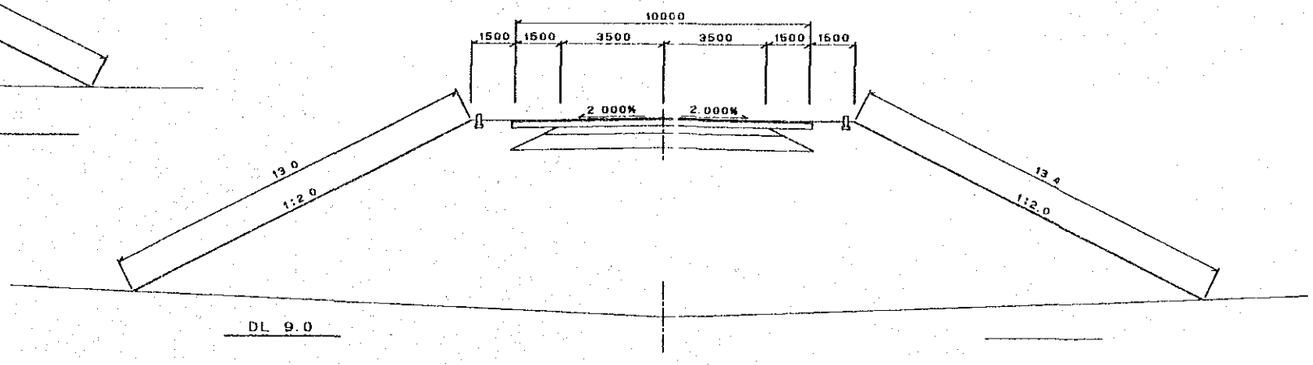
STA. 25+41.8
GH=11.3
PH=16.400



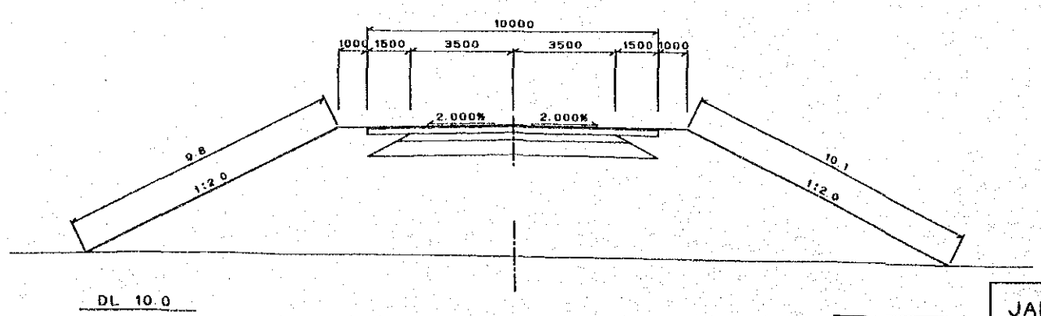
STA. 22+25
GH=11.7
PH=16.400



STA. 24+91.8
GH=9.7
PH=16.400



STA. 22
GH=12.0
PH=16.400

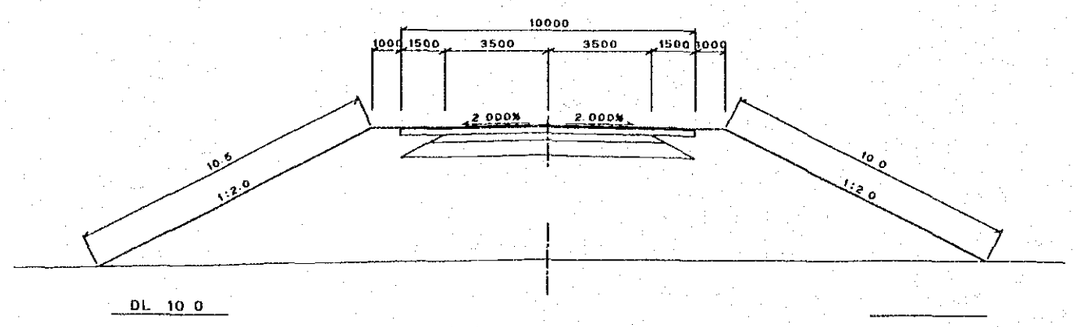


JAPAN INTERNATIONAL COOPERATION AGENCY	BASIC DESIGN STUDY REPORT ON THE PROJECT FOR CONSTRUCTION OF A BRIDGE OVER THE MEKONG RIVER IN THE KINGDOM OF CAMBODIA	CROSS SECTION (11)	SCALE 1:200	DWG.No. 32

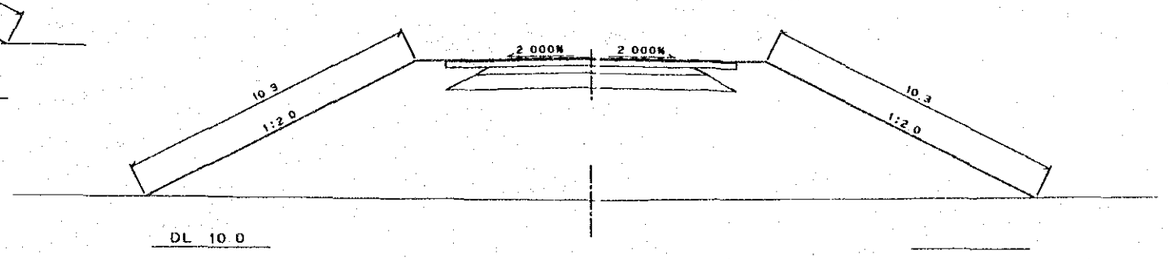
MF-DWG11

CROSS SECTION (12) SCALE 1:200

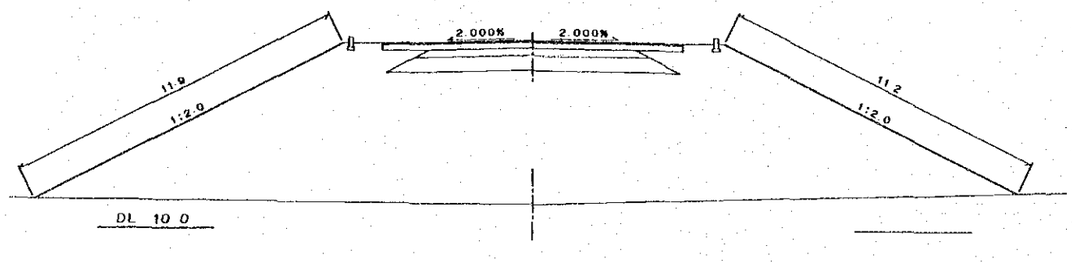
STA. 27+41.8
GH=11.9
PH=16.400



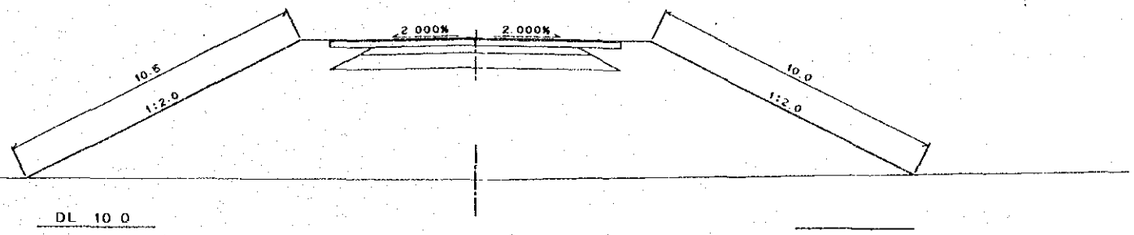
STA. 28+41.8
GH=11.9
PH=16.400



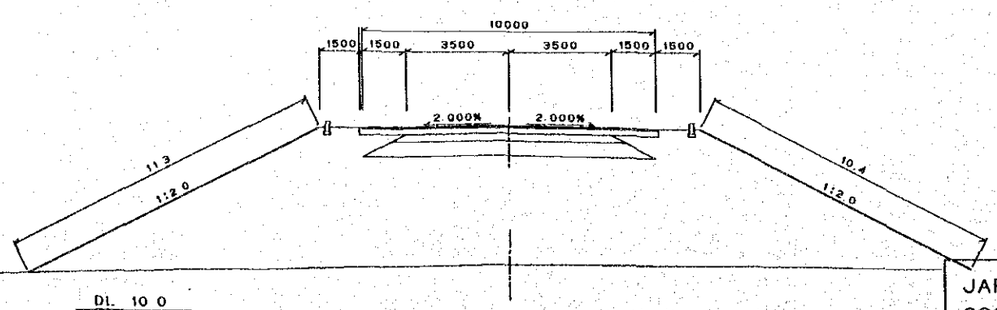
STA. 26+41.8
GH=10.9
PH=16.400



STA. 29+41.8
GH=11.6
PH=16.400



STA. 25+81.8
GH=11.7
PH=16.400

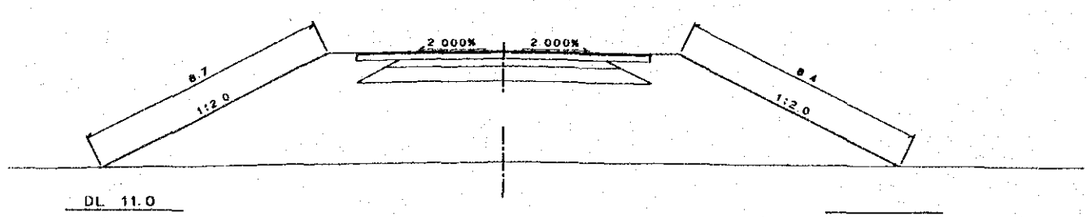


JAPAN INTERNATIONAL COOPERATION AGENCY	BASIC DESIGN STUDY REPORT ON THE PROJECT FOR CONSTRUCTION OF A BRIDGE OVER THE MEKONG RIVER IN THE KINGDOM OF CAMBODIA	CROSS SECTION (12)	SCALE 1:200	DWG No. 33

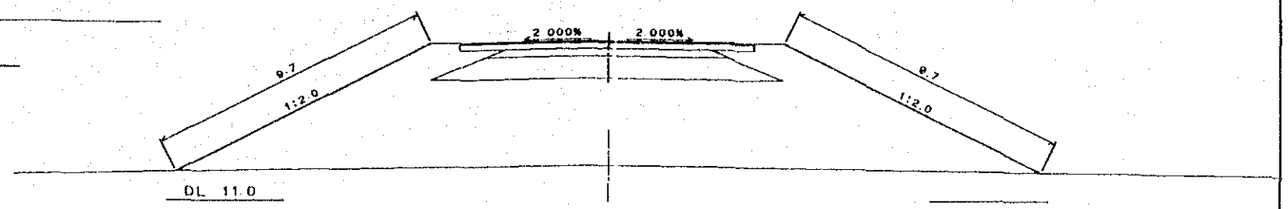
VE-ON212

CROSS SECTION (13) SCALE 1:200

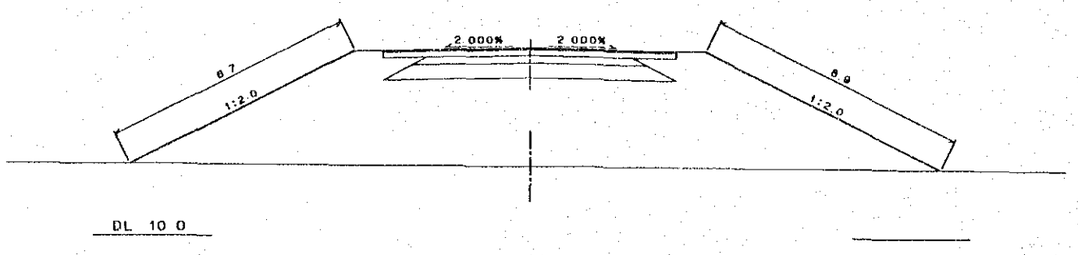
STA. 31+41.8
GH=12.7
PH=16.400



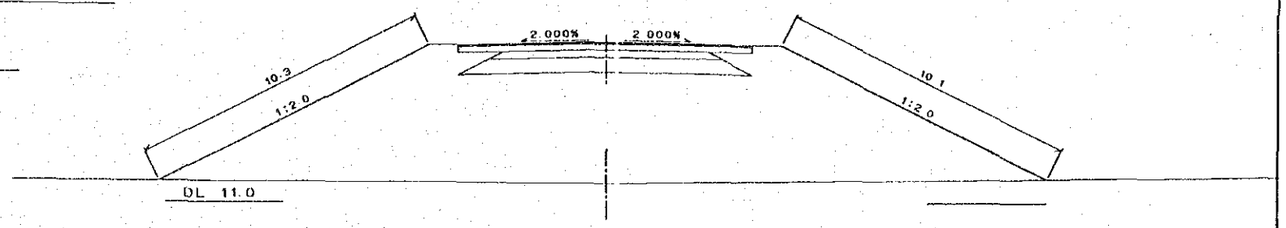
STA. 32-41.8
GH= 2.2
PH=18.400



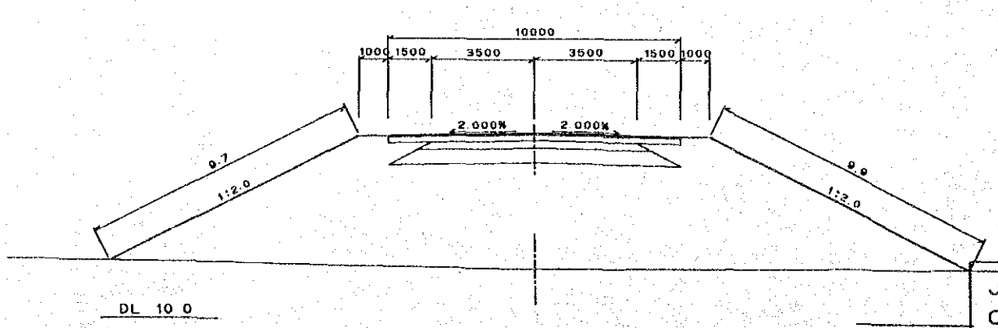
STA. 30+91.8
GH=12.4
PH=16.400



STA. 31+91.8
GH=11.7
PH=16.400



STA. 30+41.8
GH=11.8
PH=16.400

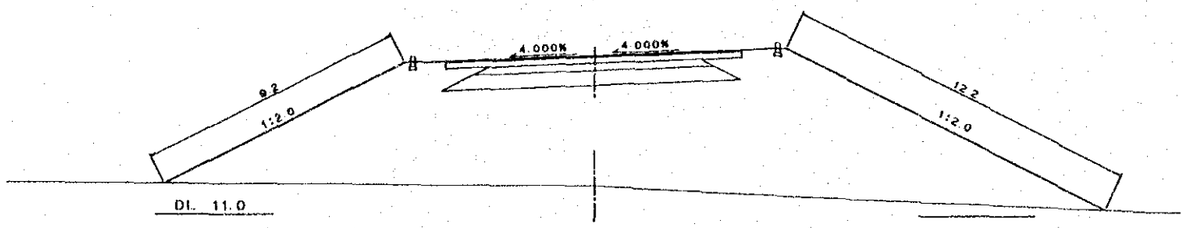


JAPAN INTERNATIONAL COOPERATION AGENCY	BASIC DESIGN STUDY REPORT ON THE PROJECT FOR CONSTRUCTION OF A BRIDGE OVER THE MEKONG RIVER IN THE KINGDOM OF CAMBODIA	CROSS SECTION (13)	SCALE 1:200	DWG No. 34

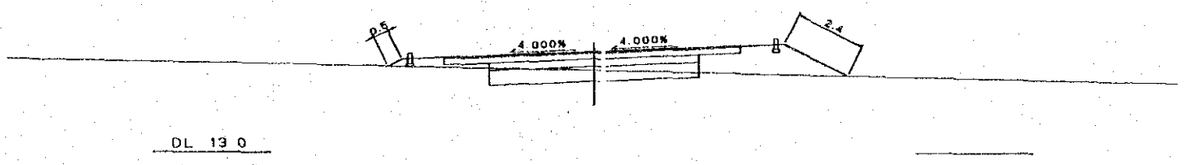
MS-DW213

CROSS SECTION (14) SCALE 1:200

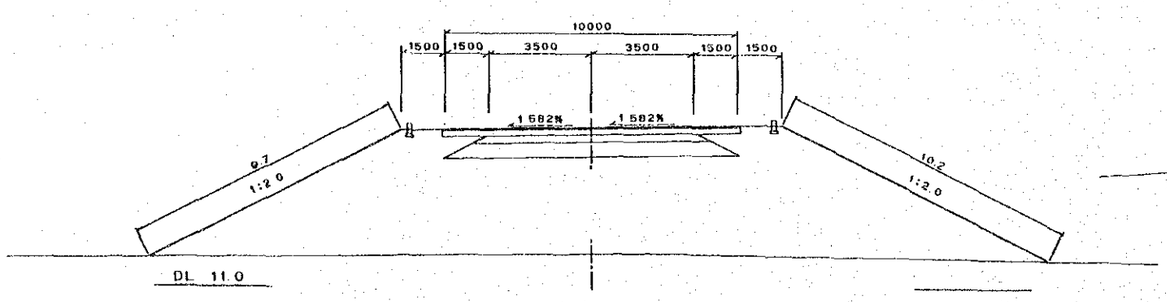
STA. 33+50
GH=12.0
PH=16.400



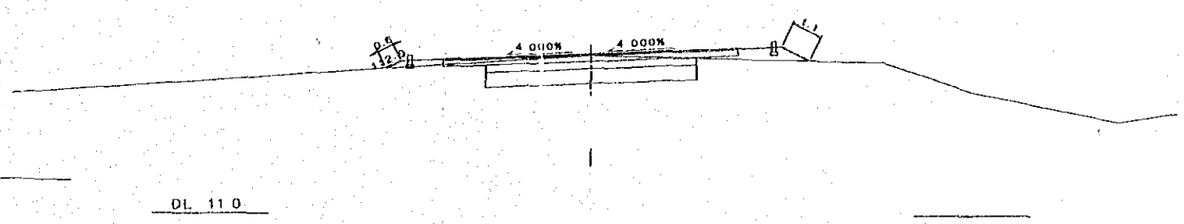
STA. 34+50
GH=11.6
PH=16.400



STA. 33
GH=12.1
PH=16.400



STA. 34
GH=10.4
PH=16.400

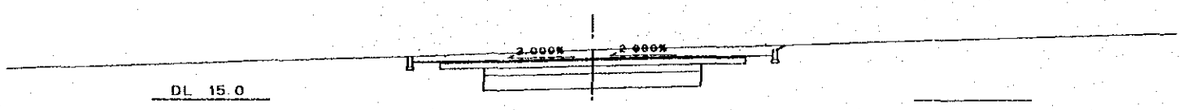


JAPAN INTERNATIONAL COOPERATION AGENCY	BASIC DESIGN STUDY REPORT ON THE PROJECT FOR CONSTRUCTION OF A BRIDGE OVER THE MEKONG RIVER IN THE KINGDOM OF CAMBODIA	CROSS SECTION (14)	SCALE 1:200	DWG.No. 35

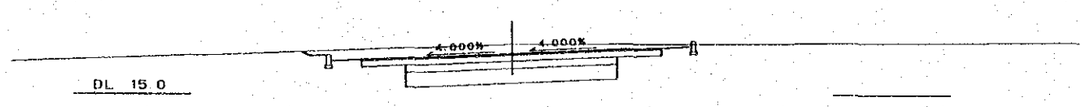
ME-CWD14

CROSS SECTION (15) SCALE 1:200

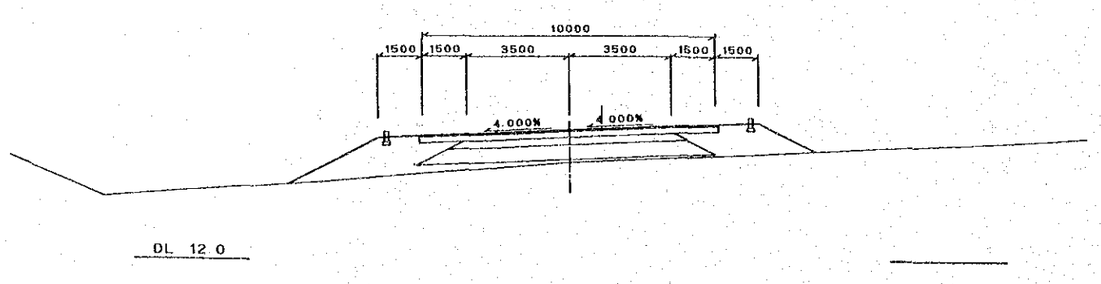
STA. 35+96.5
GH=16.7
PH=16.400



STA. 35+50
GH=16.7
PH=16.400



STA. 35
GH=15.3
PH=16.400

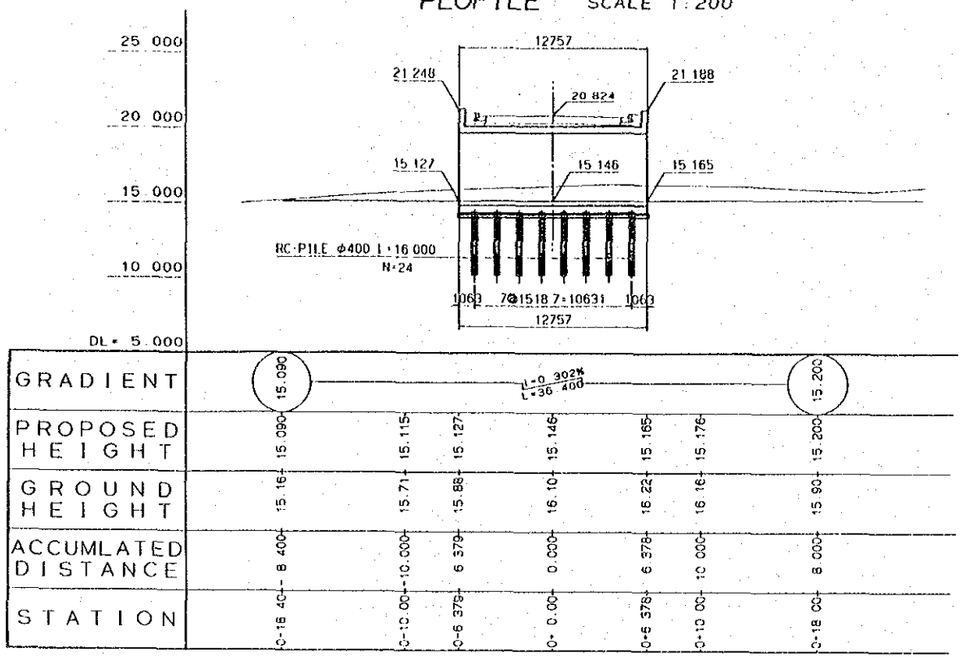


JAPAN INTERNATIONAL COOPERATION AGENCY	BASIC DESIGN STUDY REPORT ON THE PROJECT FOR CONSTRUCTION OF A BRIDGE OVER THE MEKONG RIVER IN THE KINGDOM OF CAMBODIA	CROSS SECTION (15)	SCALE 1:200	DWG.No. 36

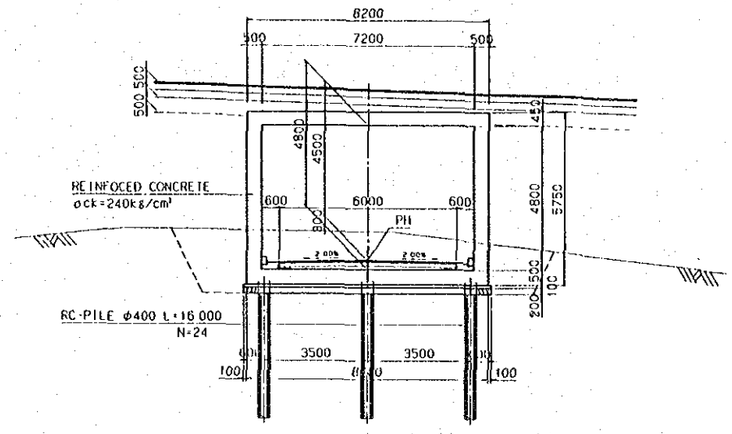
ME-CUD15

GENERAL LAYOUT OF BOX-CULVERT

PLOFILE SCALE 1:200



A - A SECTION SCALE 1:100



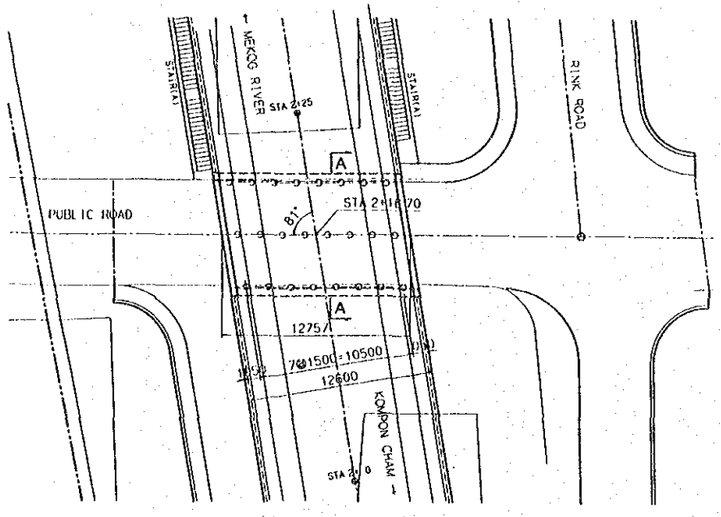
DESIGN CONDITION

INSIDE LENGTH	WIDTH	W=7.200m
	HEIGHT	H=5.000m
EARTH COVERING	DEPTH	D 0.500~3.070m
VERTICAL LOAD	EARTH PRESSURE	By EARTH COVERING
	LIVE LOAD	By TRUCK
HORIZONTAL LOAD	EARTH PRESSURE	EARTH PRESSURE AT REST
	LOAD	1.0t/m²
UNIT WEIGHT	SOIL	1.800t/m³
	REINFOCED CONCRETE	2.500t/m³
IMPACT COEFFICIENT		0.0~0.3
TEMPERATURE CHANGE COEFFICIENT		———
SEISMIC COEFFICIENT		———
PATICULAR LOAD		———
ANGLE OF SKEW		81°00'00"

MATERIAL STRENGTH

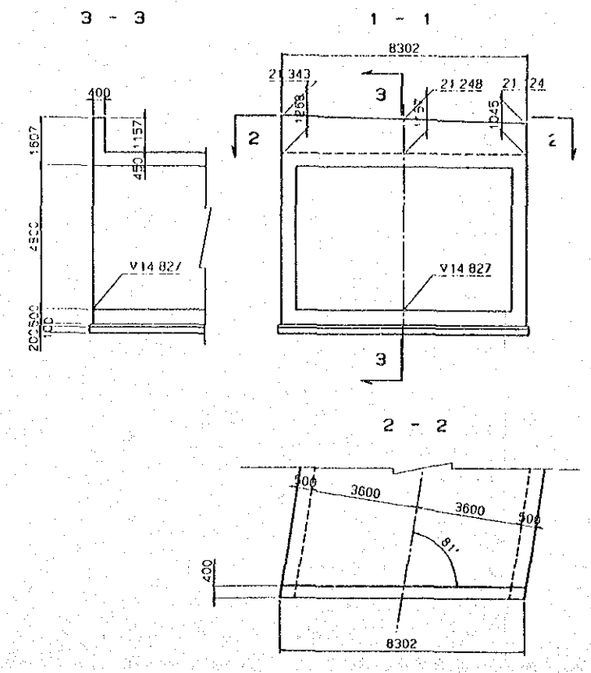
CONCRETE	
COMPRESSIVE STRENGTH AT 28 DAYS	240 kg/cm²
ALLOWABLE BENDING COMPRESSIVE STRESS	80 kg/cm²
ALLOWABLE SHAERING STRESS	3.9 kg/cm²
ALLOWABLE BONDING STRESS	16 kg/cm²
MAXIMUM SIZE OF GRAVEL	25 mm
REINFOCEMENT BAR	
TENSILE STRENGTH AT YIELD POINT	3.000 kg/cm²
ALLOWABLE TENSILE STRESS	1.800 kg/cm²

P L A N SCALE 1:200



W I N G SCALE 1:100

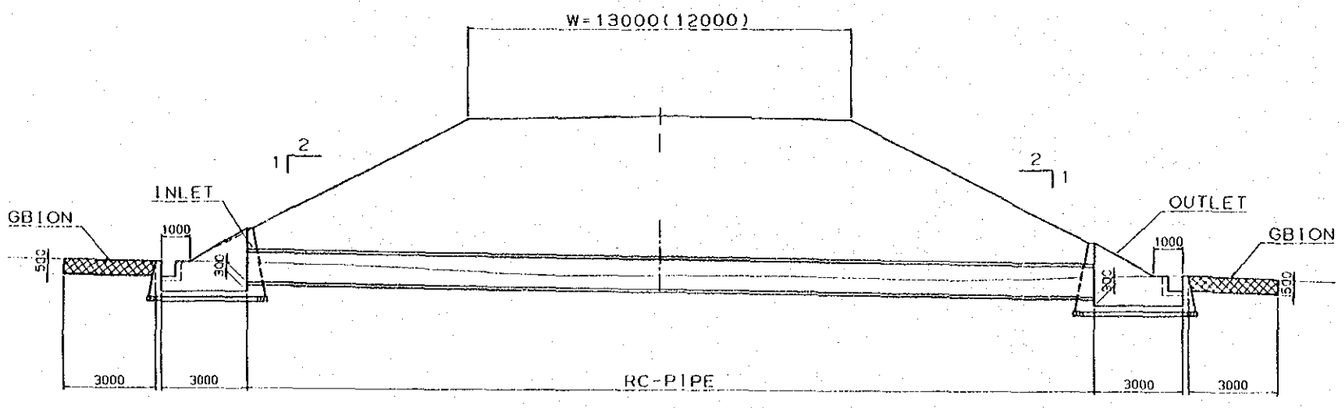
LEFT SIDE



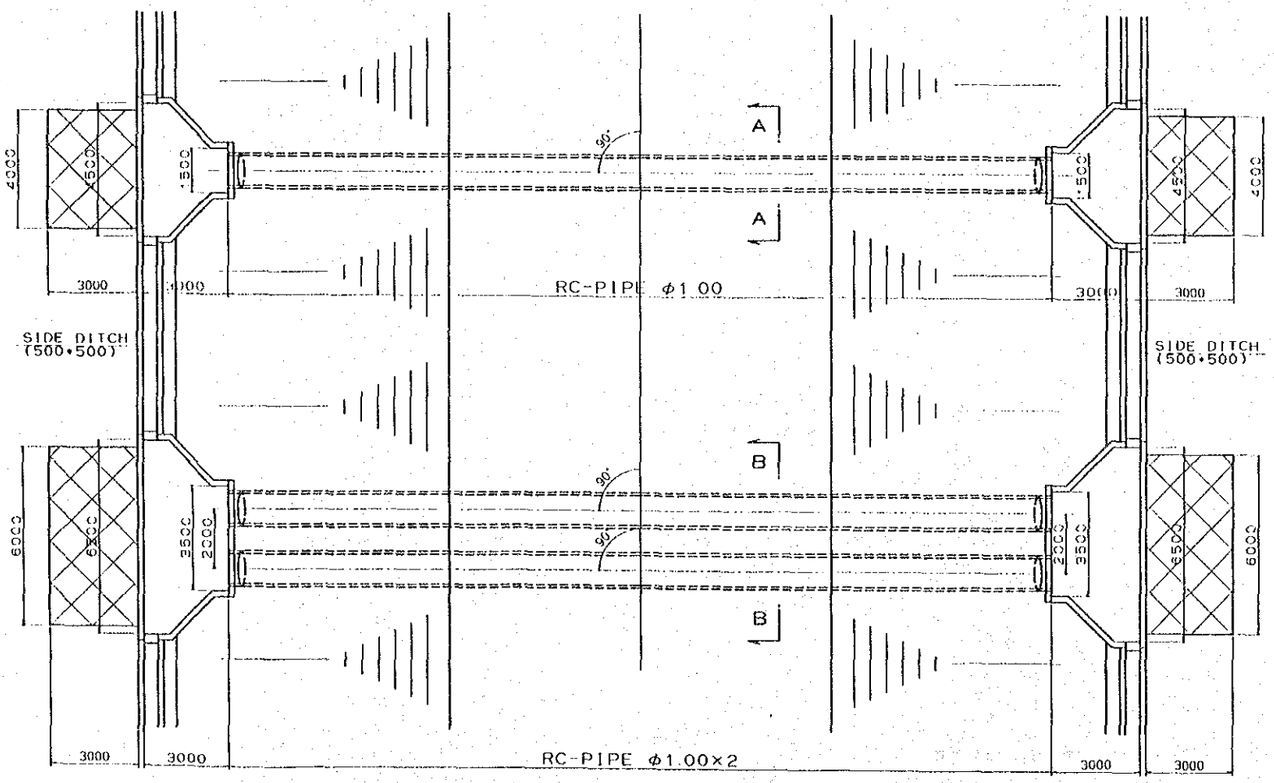
JAPAN INTERNATIONAL COOPERATION AGENCY	BASIC DESIGN STUDY REPORT ON THE PROJECT FOR CONSTRUCTION OF A BRIDGE OVER THE MEKONG RIVER IN THE KINGDOM OF CAMBODIA	GENERAL LAYOUT OF BOX-CULVERT	SCALE AS SHOWN	DWG.No. 37

GENERAL LAYOUT OF PIPE-CULVERT

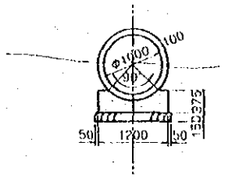
PLOFILE SCALE 1/100



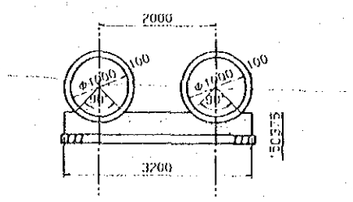
P L A N SCALE 1/100



A-A SECTION SCALE 1/50



B-B SECTION SCALE 1/50



LIST OF PIPE-CULVERT

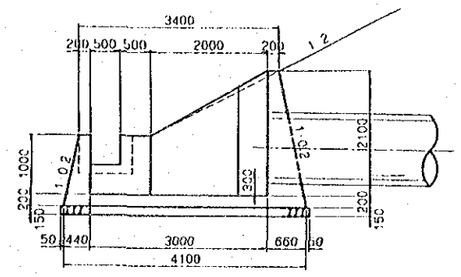
STATION	TYPE	PIPE LENGTH	REMARKS
STA 19+90	SIGLE	27.0m	
STA 21+15	SIGLE	30.4m	
STA.23+30	SIGLE	28.7m	
STA 26+50	DOUBLE	28.0•2=56.0m	
STA.31+ 0	DOUBLE	23.2•2=46.4m	
STA.33+70	DOUBLE	20.5•2=41.0m	

JAPAN INTERNATIONAL COOPERATION AGENCY	BASIC DESIGN STUDY REPORT ON THE PROJECT FOR CONSTRUCTION OF A BRIDGE OVER THE MEKONG RIVER IN THE KINGDOM OF CAMBODIA	GENERAL LAYOUT OF PIPE-CULVERT	SCALE AS SHOWN	DWG No. 38

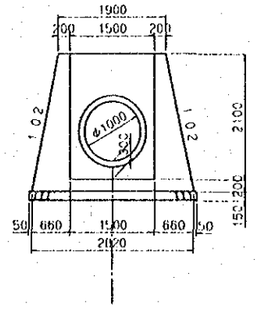
DETAILE OF PIPE-CULVERT SCALE 1:50
INLET/OUTLET

RC-PIPE φ1.00×1

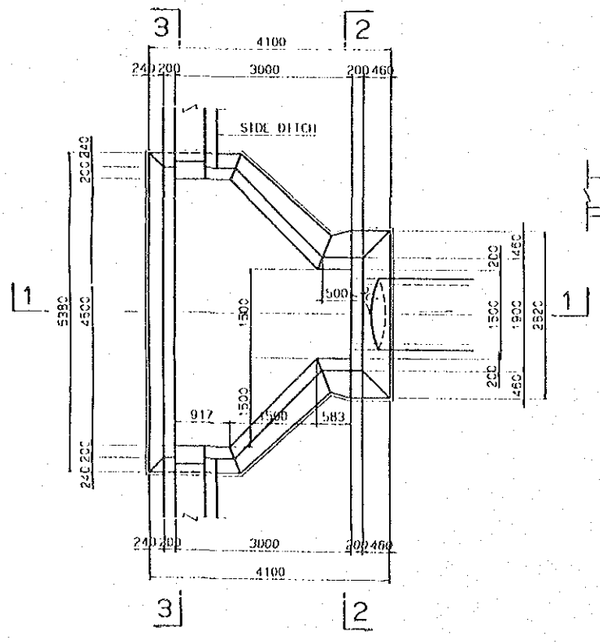
1 - 1



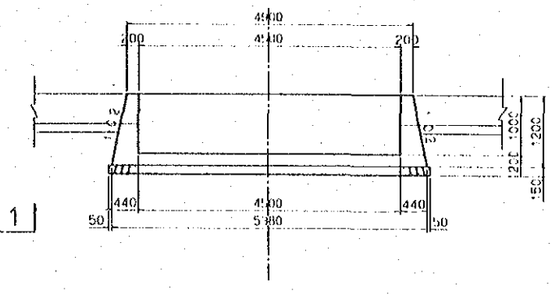
2 - 2



PLAN

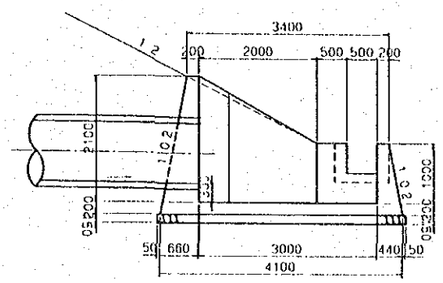


3 - 3

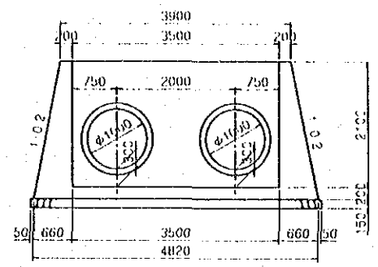


RC-PIPE φ1.00×2

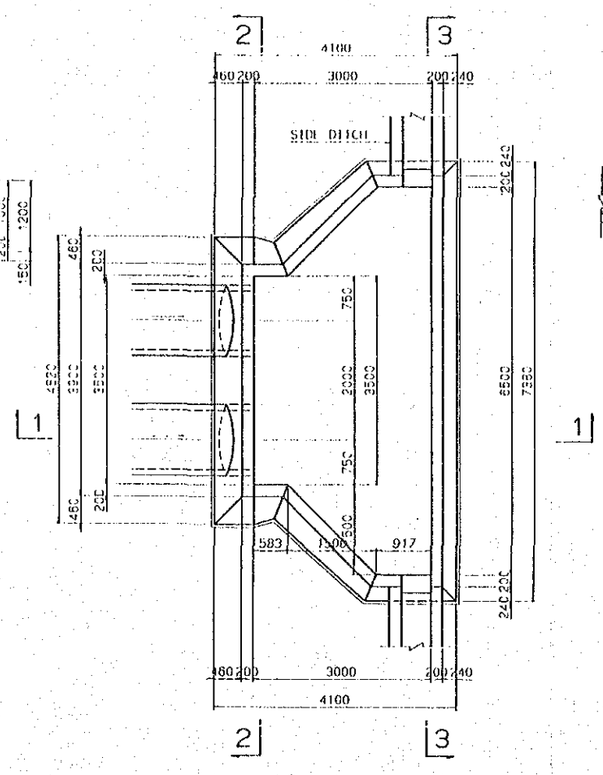
1 - 1



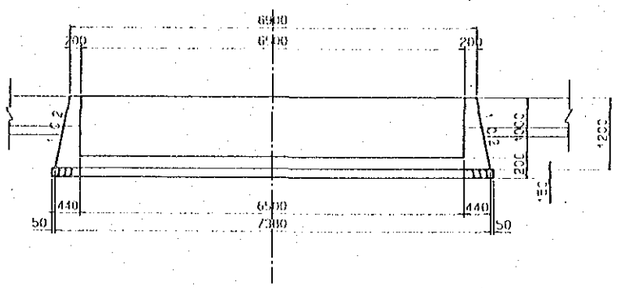
2 - 2



PLAN



3 - 3



JAPAN INTERNATIONAL COOPERATION AGENCY	BASIC DESIGN STUDY REPORT ON THE PROJECT FOR CONSTRUCTION OF A BRIDGE OVER THE MEKONG RIVER IN THE KINGDOM OF CAMBODIA	DETAIL OF PIPE-CULVERT	SCALE 1:50	DWG No. 39