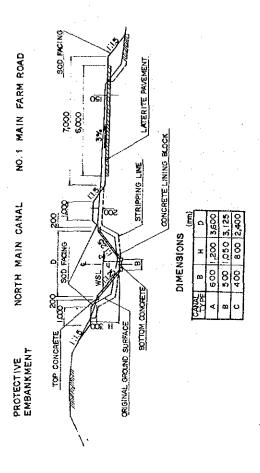


- NOTE : 1) 10 NOS. OF FOOT PATH BRIDGE SHALL BE PROVIDED ON NORTH MAIN CANAL.
 - 2) EXISTING PROTECTIVE EMBANKMENT AND ROAD WILL NOT BE OUT IF THEIR ELEVATIONS ARE HIGHER THAN THE PROPOSED ONES.



LEGEND

PROPOSED PROTECTIVE EMBANKMENT ROAD SURFACE WATER SURFACE CANAL BASE EXISTING PROTECTIVE EMBANKMENT LEFT BANK OF CANAL ROAD SURFACE CANAL BASE N - 1 TO (1-N1) NAME OF TURNOUT (BRANCH CANAL)
N -3 CS CHECK STRUCTURE N -3 CS SIDE SPILLWAY N-2 \$\$

SCALE 200 300 400 500^M

LAO PEOPLE'S DEMOCRATIC REPUBLIC

THA NGON REHABILITATION AND RURAL DEVELOPMENT PROJECT

TITLE OF DRAWING

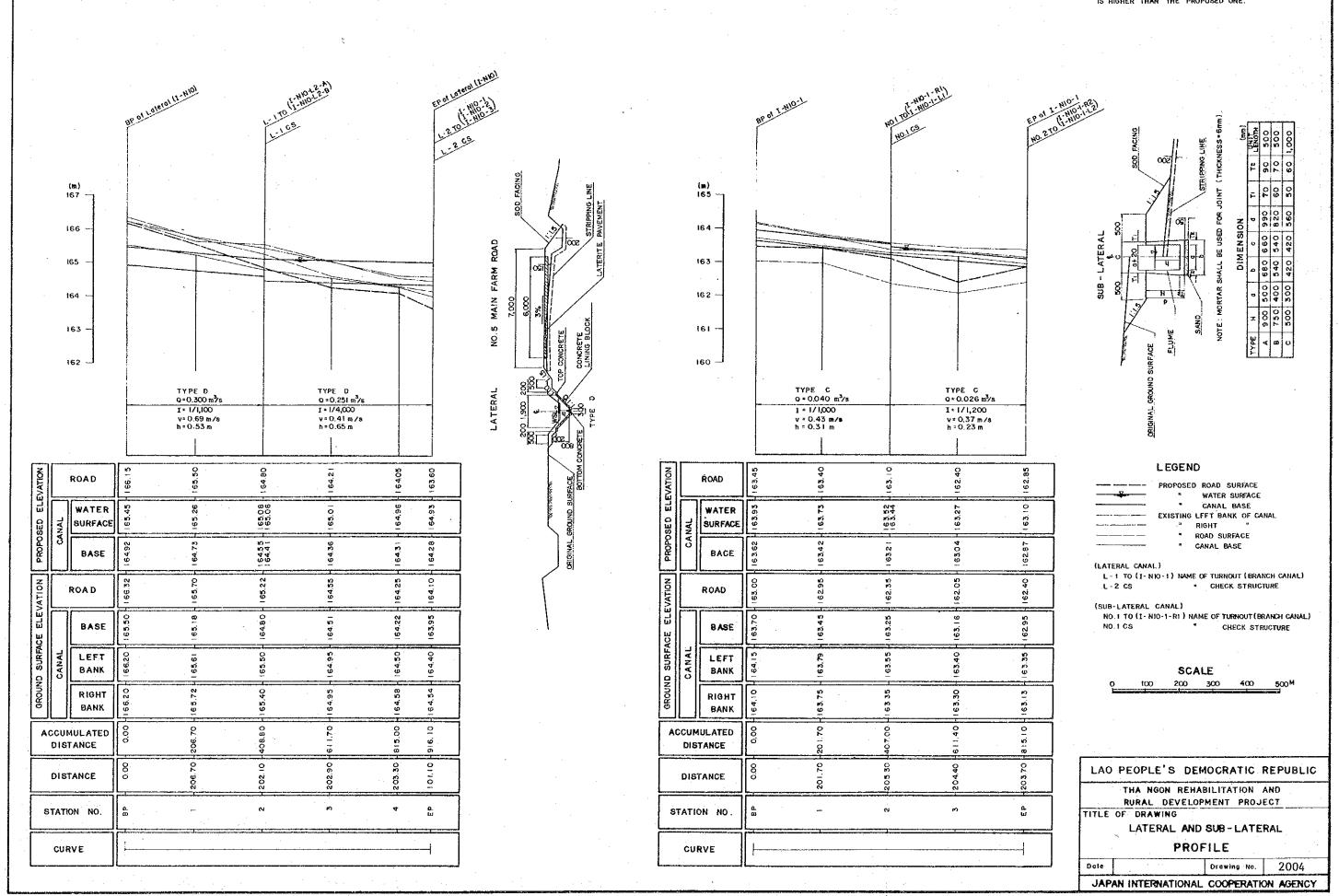
N -3 WS(L)

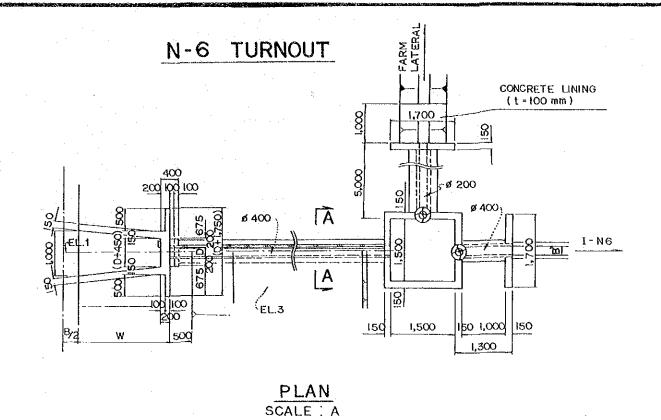
NORTH MAIN CANAL.

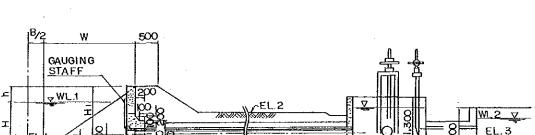
PROFILE (3/3)

JAPAN INTERNATIONAL COOPERATION AGENCY

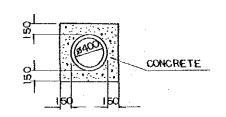
Drawing 20.







PROFILE SCALE: A

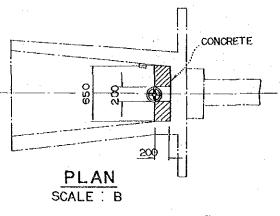


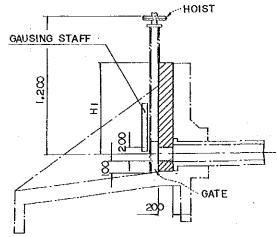
SECTION A-A SCALE : B

DIMENSION OF TURNOUT

		DIMENSION OF TURNOUT												(mm)									
	NO.	D	EL I	EL 2	EL3	EL4	WL I	WL2	Н	h	W	Hi	H2	ΔН	Δħ	в,	w'	Į.	lг	q	đ	t	PIPE L
- 1	N - 6	400	165.68	08.99	166.14		16667	166.47	990	260	2,000	490			460	400		_	1	. -	-	-	9,000
	L-2 (R)	300	164,28	166.15	163.62	163.28	164.93	163.73	650	150	1,130	550	850	1,000	0	300	500	1,000	1,000	1,000	340	100	9,000

INLET OF TO.N-1, N-2, N-3

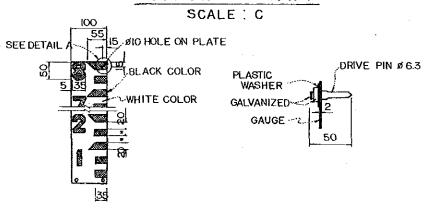




TO NAME	н
N - I	720
N - 2	740
N - 3	680

PROFILE SCALE : B

GAUGING STAFF



1,000 2,000 3,000 mm SCALE: A

SCALE : B

SCALE : C

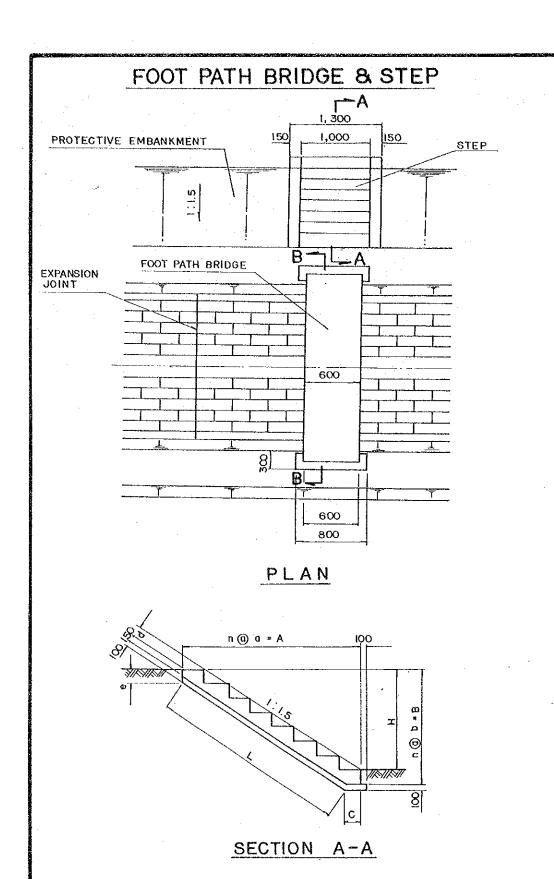
LAO PEOPLE'S DEMOCRATIC REPUBLIC

THA NGON REHABILITATION AND RURAL DEVELOPMENT PROJECT

TITLE OF DRAWING NORTH MAIN CANAL

TURNOUT/GAUGING STAFF

Drawing No.



DIMENSION OF STEP FOR FOOTPATH

420 300

162

5 2,100 1,500

1,500 6 2,550 1,800 425 300 162

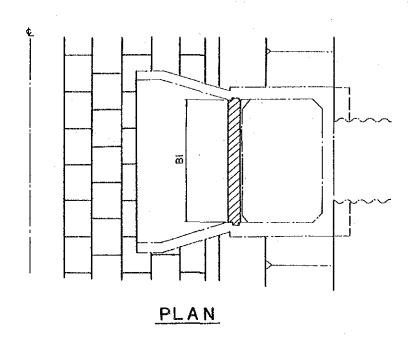
1,200

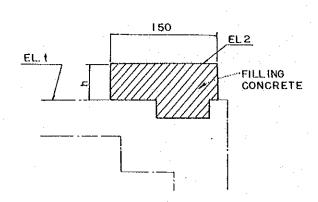
(mm)

244 208 2,329

245 208 2,870

SIDE SPILLWAY

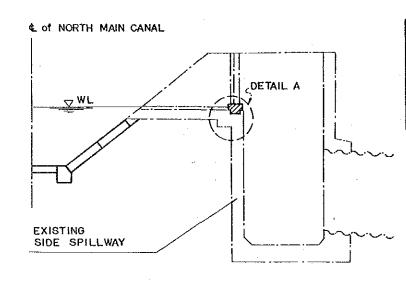




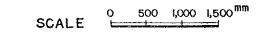
DETAIL A

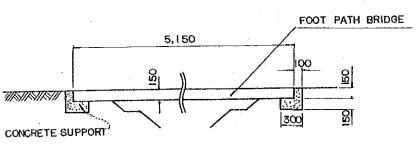
DIMENSION OF SIDE SPILLWAY

					(mm)
NO.	WL.	ВΙ	EL.I	EL.2	h
N - 1	166.89	1,500	166.60	166.94	340
N-2	166.55	1,500	166.32	166.60	280
N - 3	166.35	1,500	166.18	166.40	220
N - 4	166.00	1,000	165.89	166.05	160
N - 5	165.81	1,000	165.68	166.86	180



PROFILE



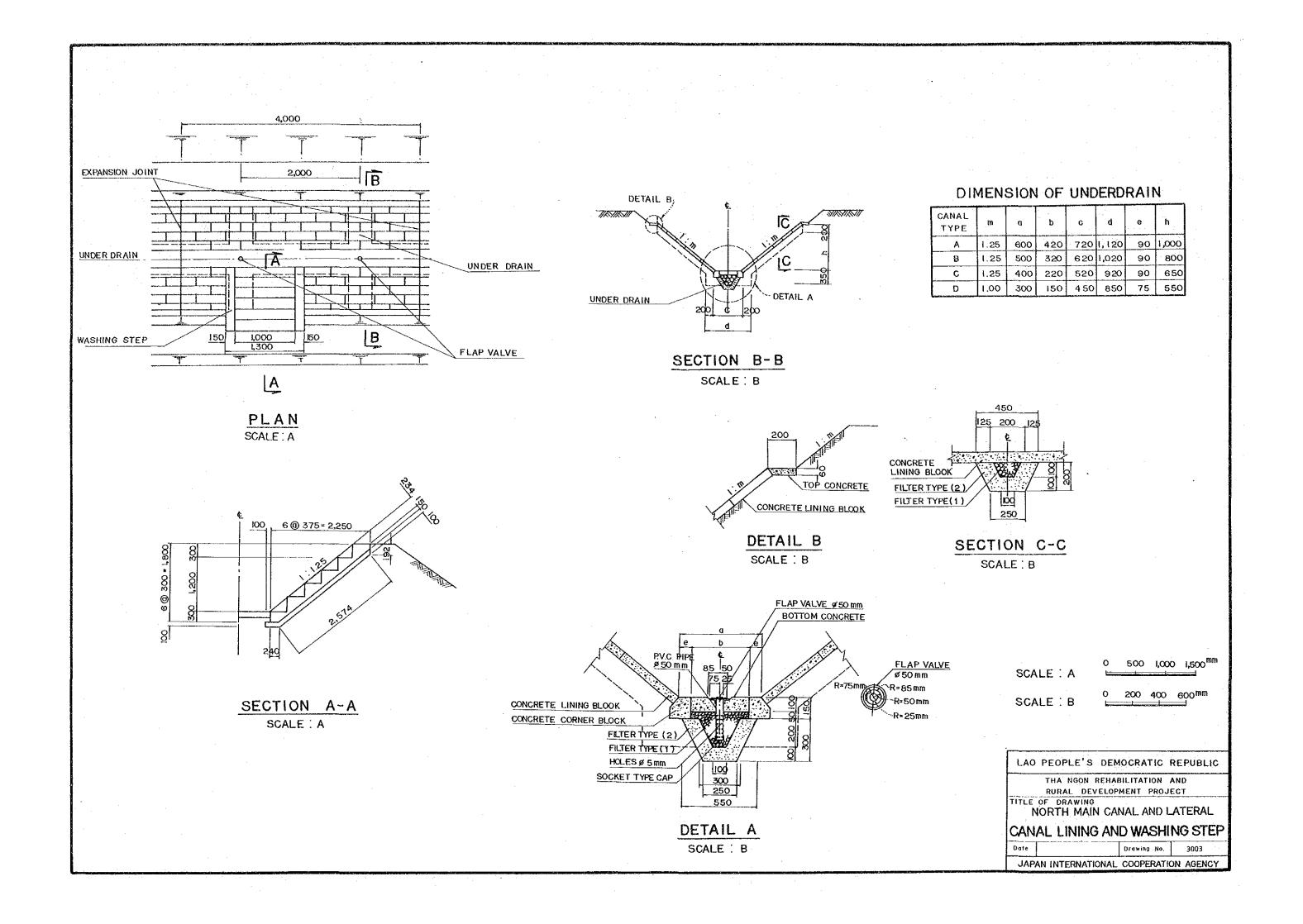


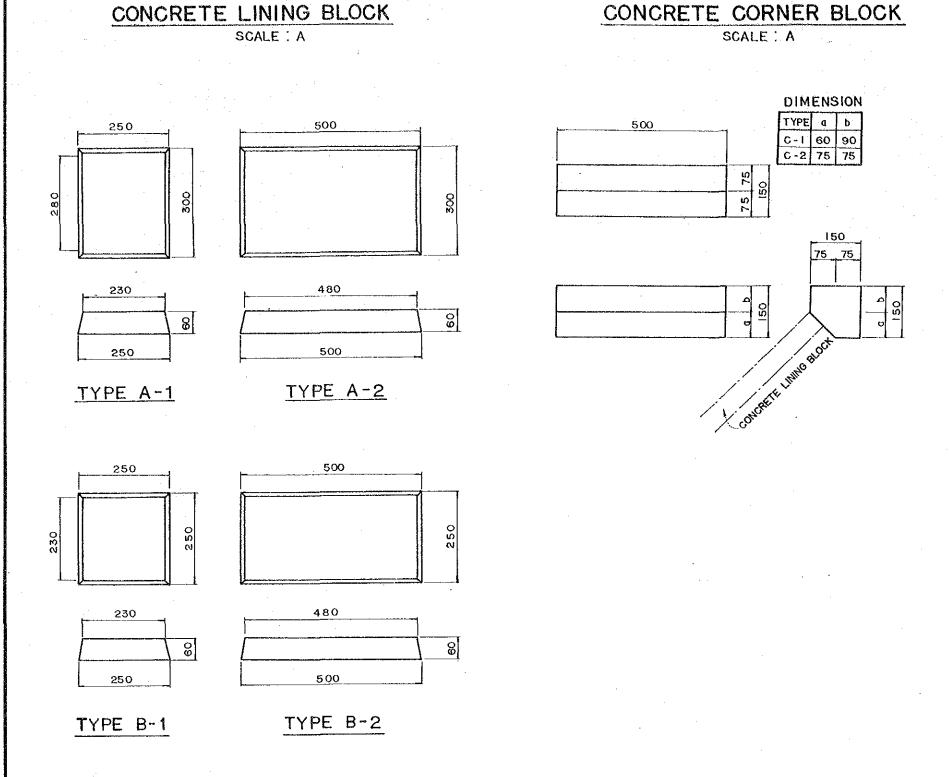
SECTION B-B

THA NGON REHABILITATION AND RURAL DEVSLOPMENT PROJECT
TITLE OF DRAWING NORTH MAIN CANAL FOOT PATH BRIDGE AND SIDE SPILLWAY

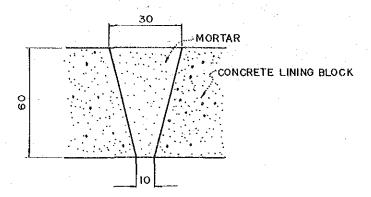
Date Drawing No. 3002

JAPAN INTERNATIONAL COOPERATION AGENCY

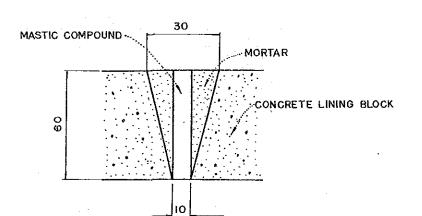




JOINT SCALE:B



EXPANSION JOINT SCALE: B



SCALE : A 0 100 200 300 mm

SCALE : B 0 20 40 60 m

REQUIRED NOS OF BLOCKS

PER 4 METERS

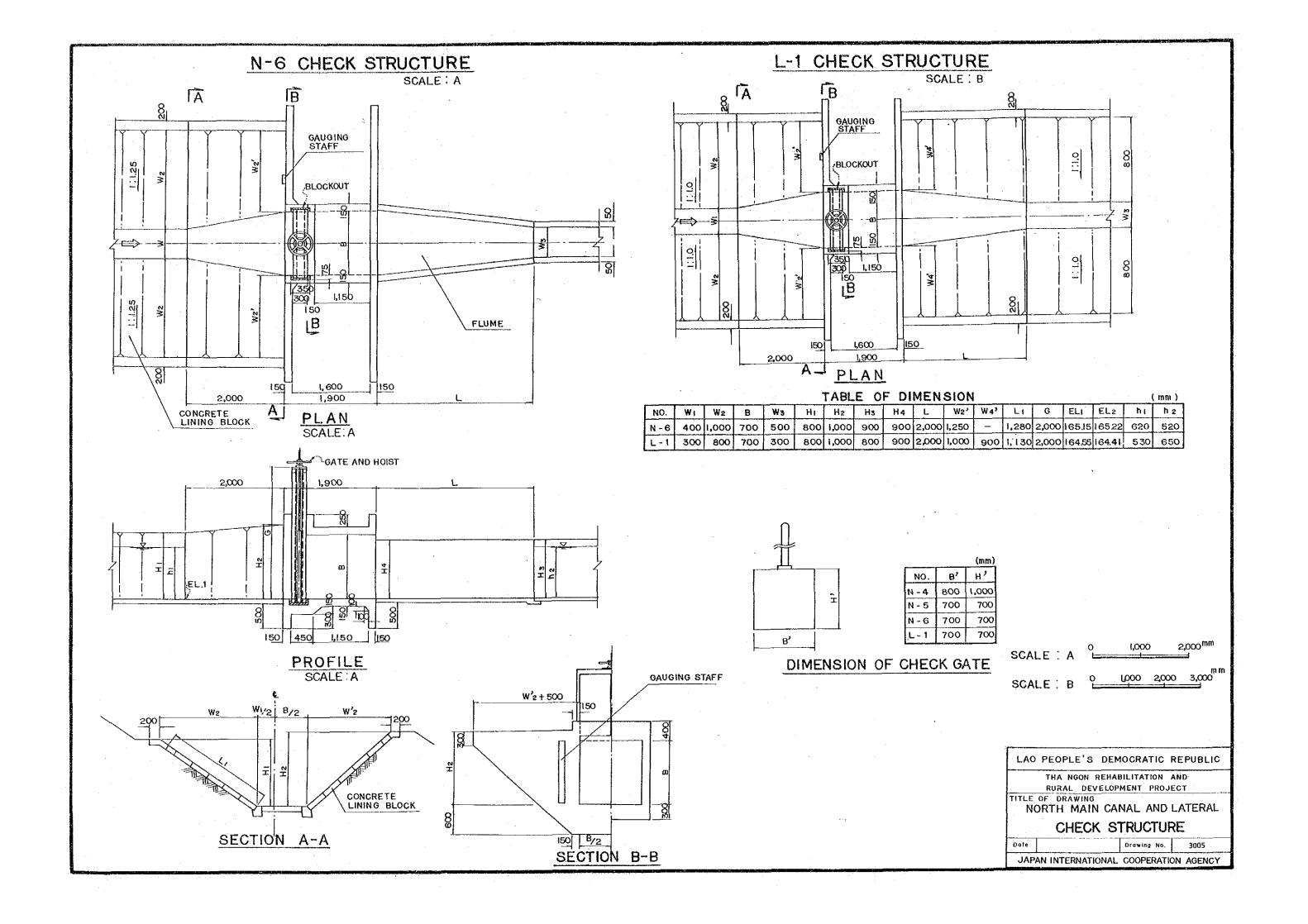
CANAL	CANAL	SLOPE	PC	LININ	G BLC	CK	PC CORN	AR BLOCK
TYPE	HEIGHT	LENGTH	A- I	A-2	8 - I	8-2	c - 1	C - 2
Α	1,200	1,920	8	76	4	14	16_	
В	1,050	1,680	8	76			16	
С	800	1,280	4	46	4	14	16	
D	800	1,131	4	14	-4	46		16

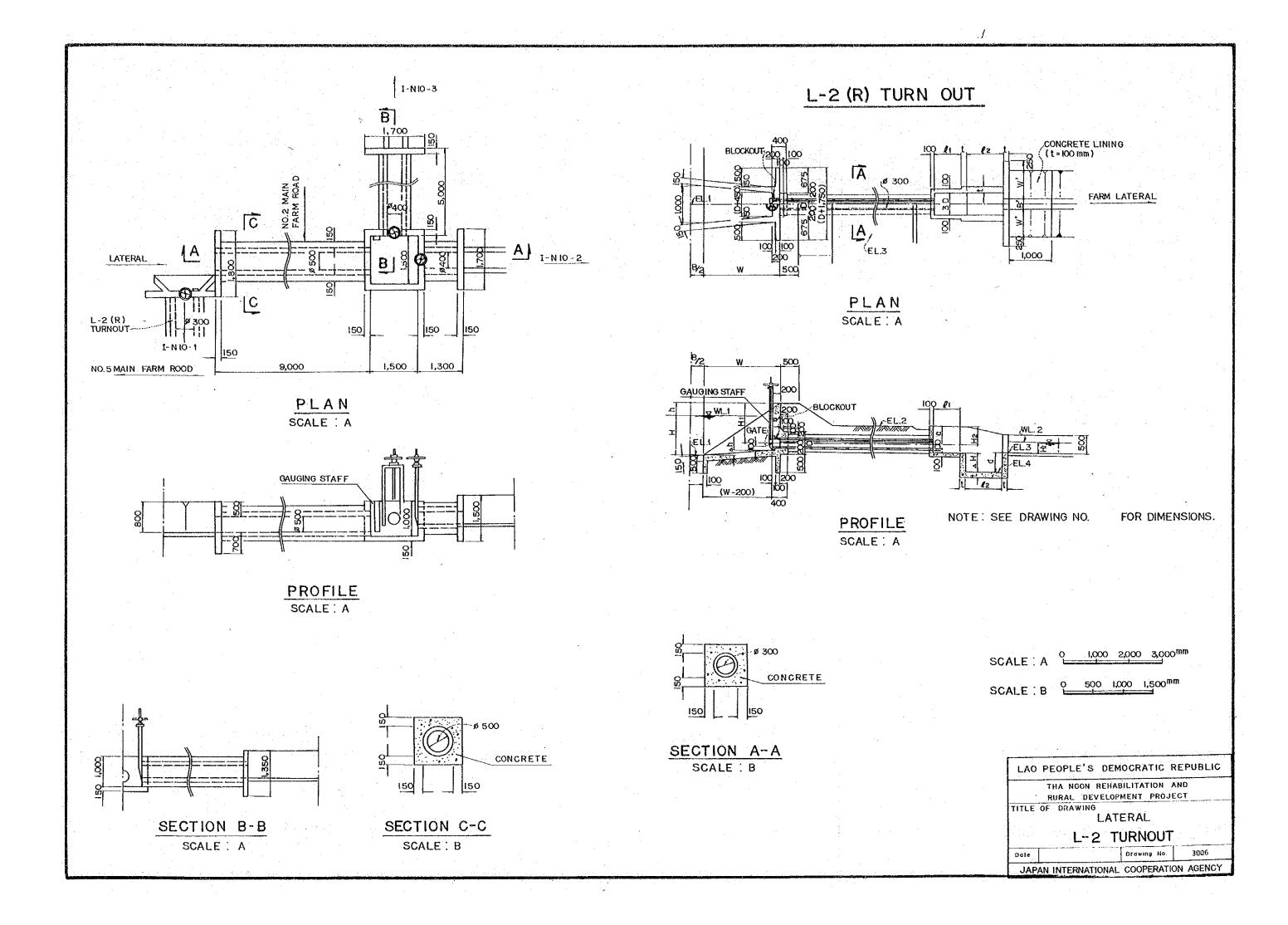
LAO PEOPLE'S DEMOCRATIC REPUBLIC

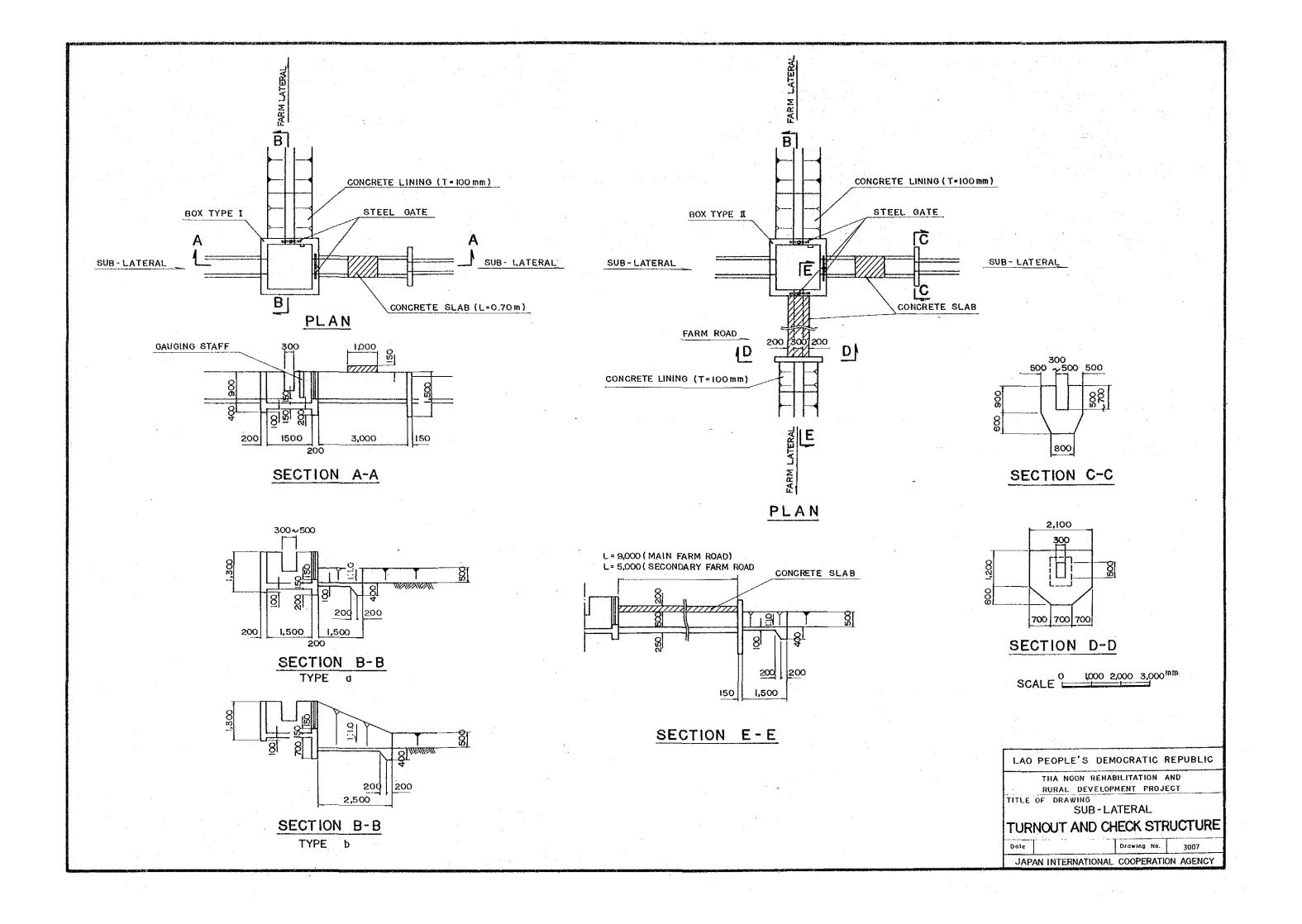
THA NGON REHABILITATION AND
RURAL DEVELOPMENT PROJECT
TLE OF DRAWING

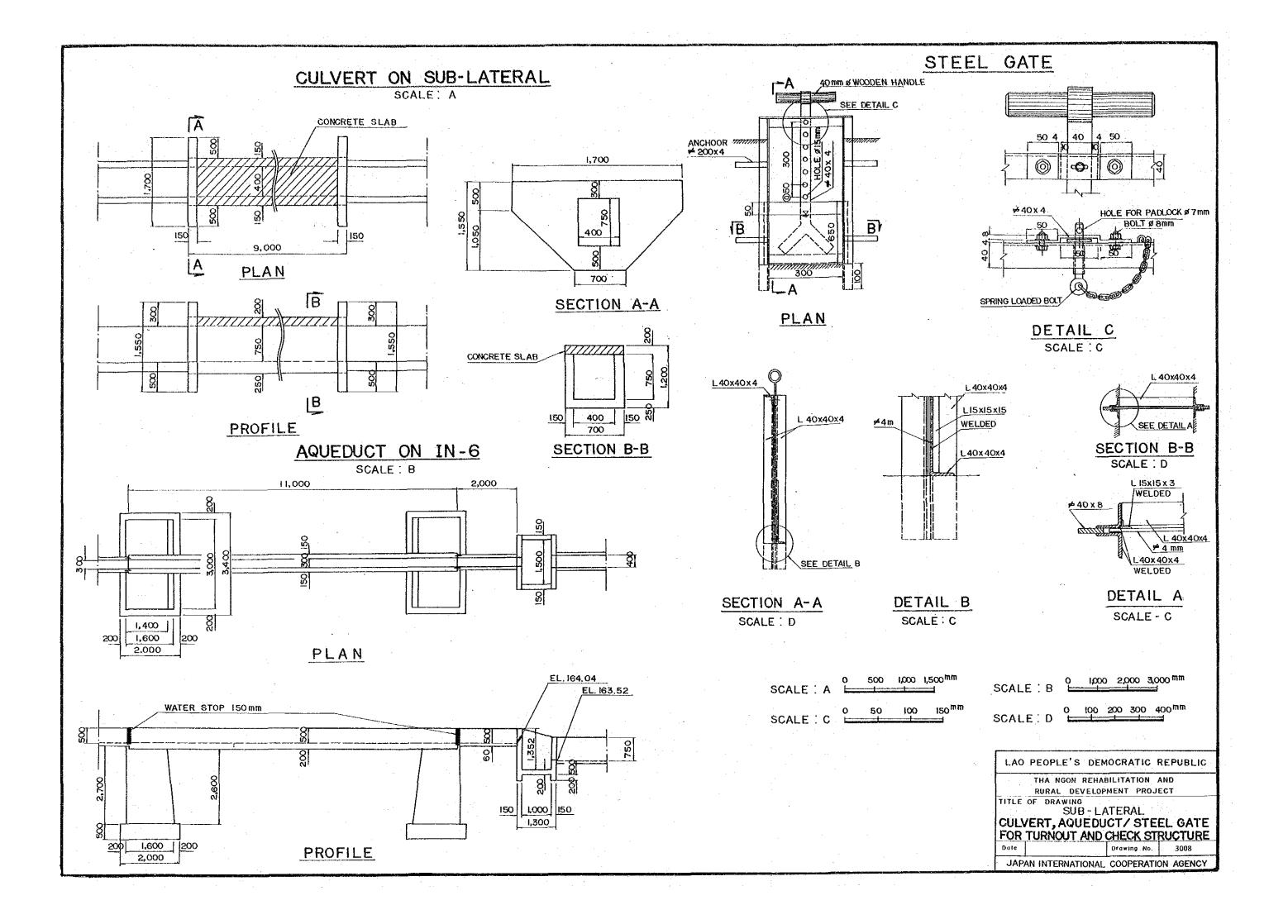
NORTH MAIN CANAL AND LATELAL
CONCRETE BLOCK AND JOINT FOR
CANAL LINING

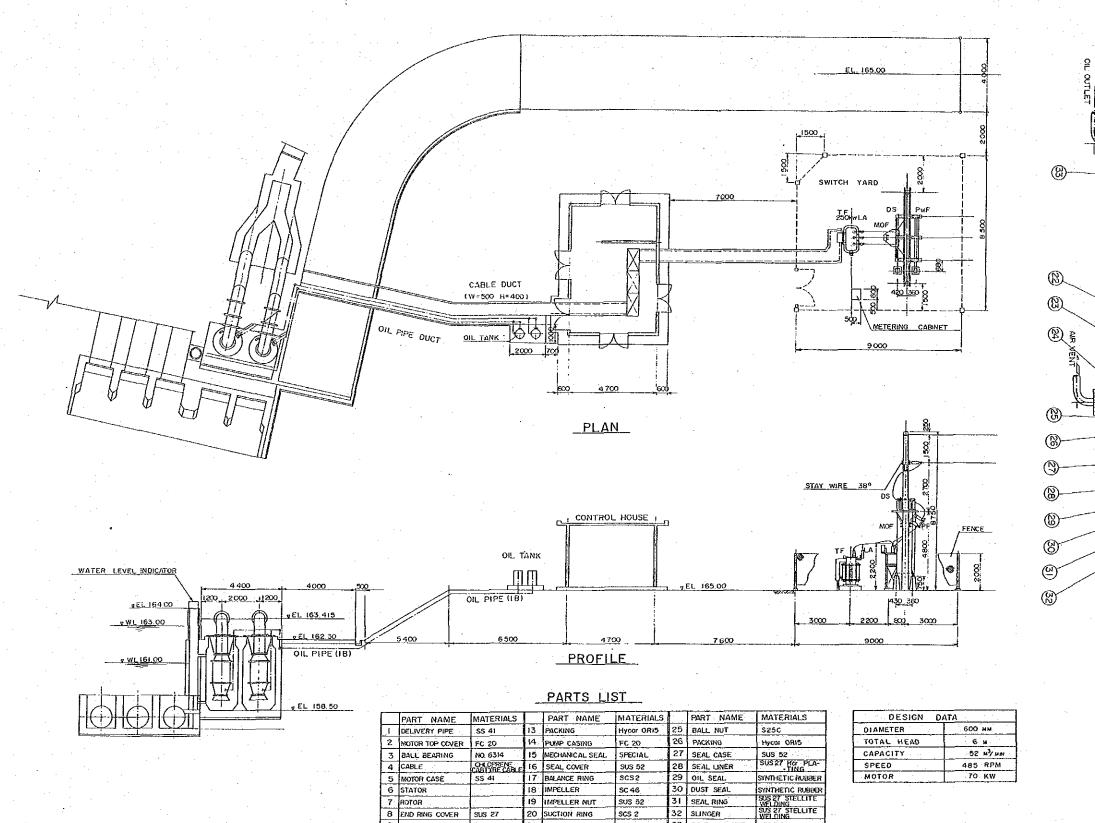
Date Drawing No. 300











MPELLER NUT

SUCTION RING

BELL MOUTH

23 BEARING COVER

22 SHAFT

NO. 7320 OF 24 WOTOR BUTTCH COVER FC 20

8 END RING COVER SUS 27 9 TERMINAL COVER SS 41 10 TERMINAL CASE SS 41

55 41

SUS 52

SCS 2

FC 20

S35C

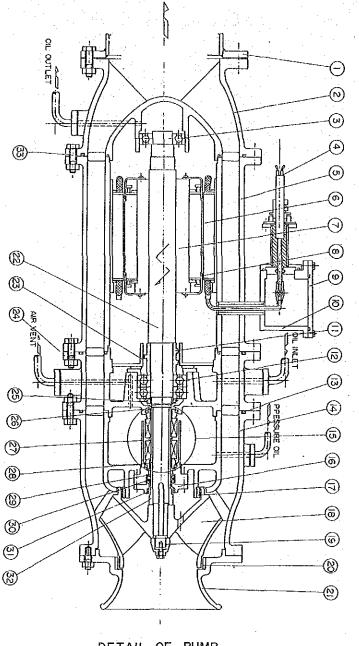
SUS 27

I SEAL RING

SLINGER

BOLT AND NUT

525 C



DETAIL OF PUMP

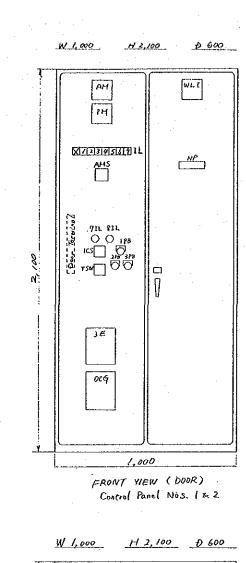
THA NGON REHABILITATION AND RURAL DEVELOPMENT PROJECT

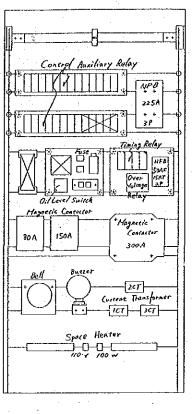
TITLE OF DRAWING

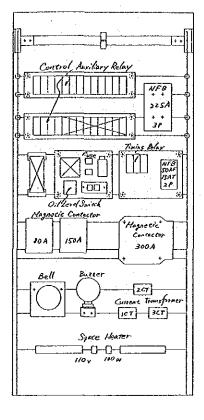
4001 Drawing No. JAPAN INTERNATIONAL COOPERATION AGENCY

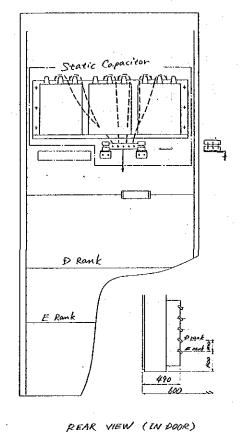
LAO PEOPLE'S DEMOCRATIC REPUBLIC

DRAINAGE PUMP STATION GENERAL ARRANGEMENT









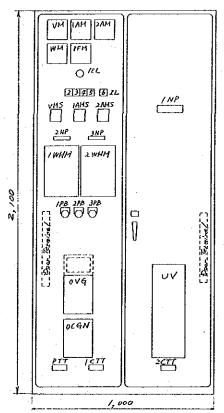
Control Panel Nos. 1 & 2

Description Name place 1 IL Lamp for 3E eripping 110 × 2 W Rod " NFB tripping 3 7L " low water level grounding " low level oil Orange 6IL " Spare 11L " STOP Green 81L " Run Red 914 и зраге Orange 200/5A 1.5 class AM AC Ammeter AMS Smitch for anneter 3 pt transfer WIL Water level indicator W.L 158.5 ~ WL 163.5 ICS Control switch Stop - O -- Scart Manual - Auto TSW Change over switch 1 PB Push buron for trouble rese 2 PB " bell stop 3 PB u butter stop 5A 50/60Hz 0.5 A 50Hz 3E relay OCG Over custent ground relay

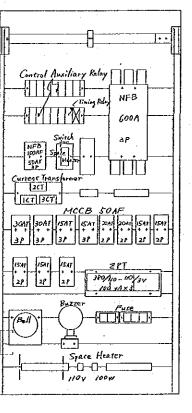
Raring

FRONT VIEW (IN DOOR) Control Panel No. 1

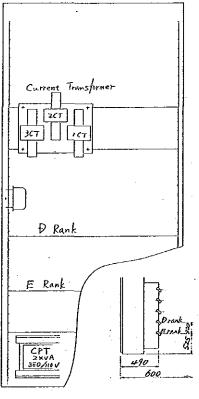
- FRONT VIEW (IN DOOR) Concrol Panel No. 2



FRONT VIEW (DOOR) Distribution Panel



FRONT VIEW (IN DOOR) Distribution Panel

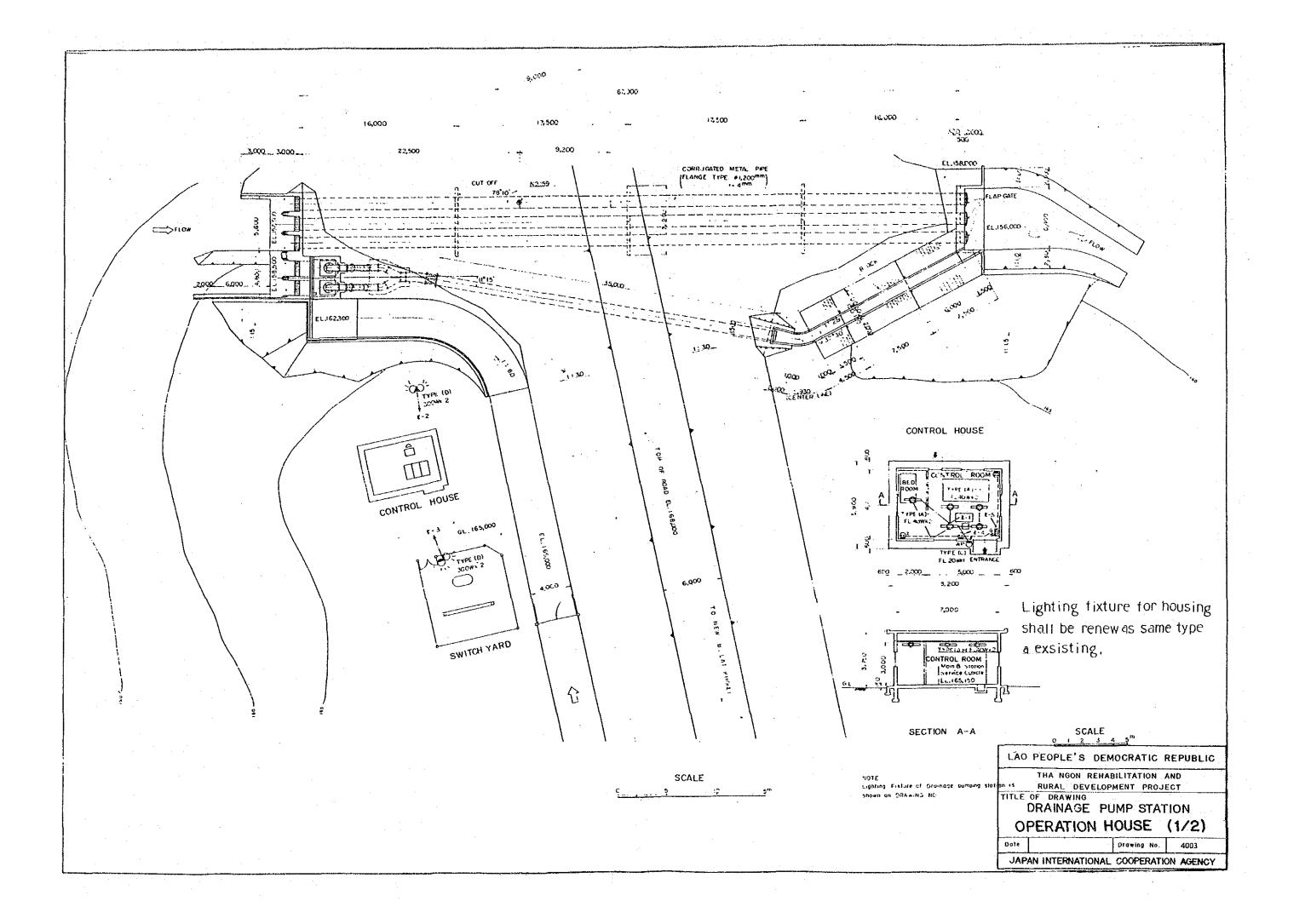


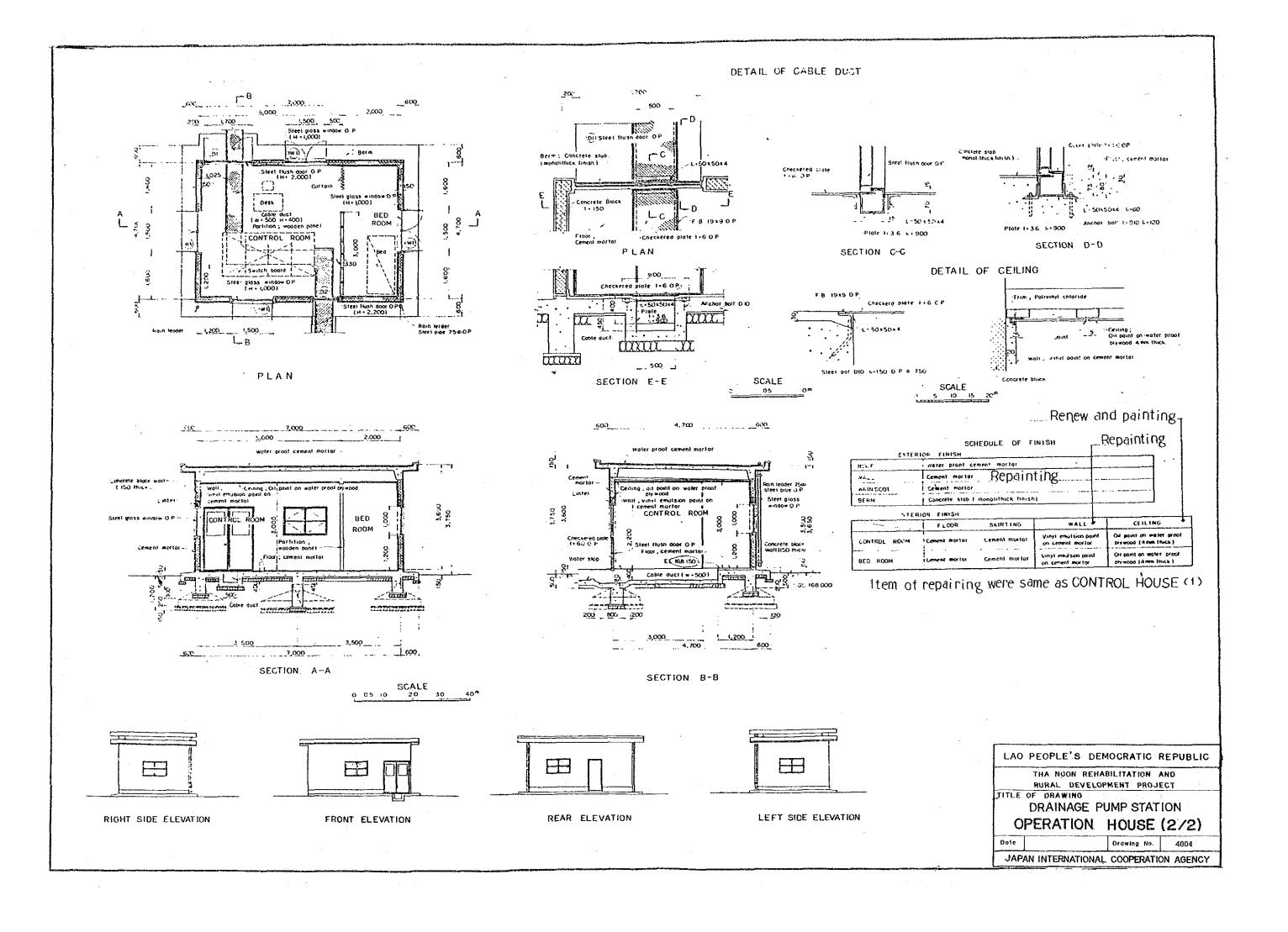
REAR VIEW (IN BOOR) Distribution Panel

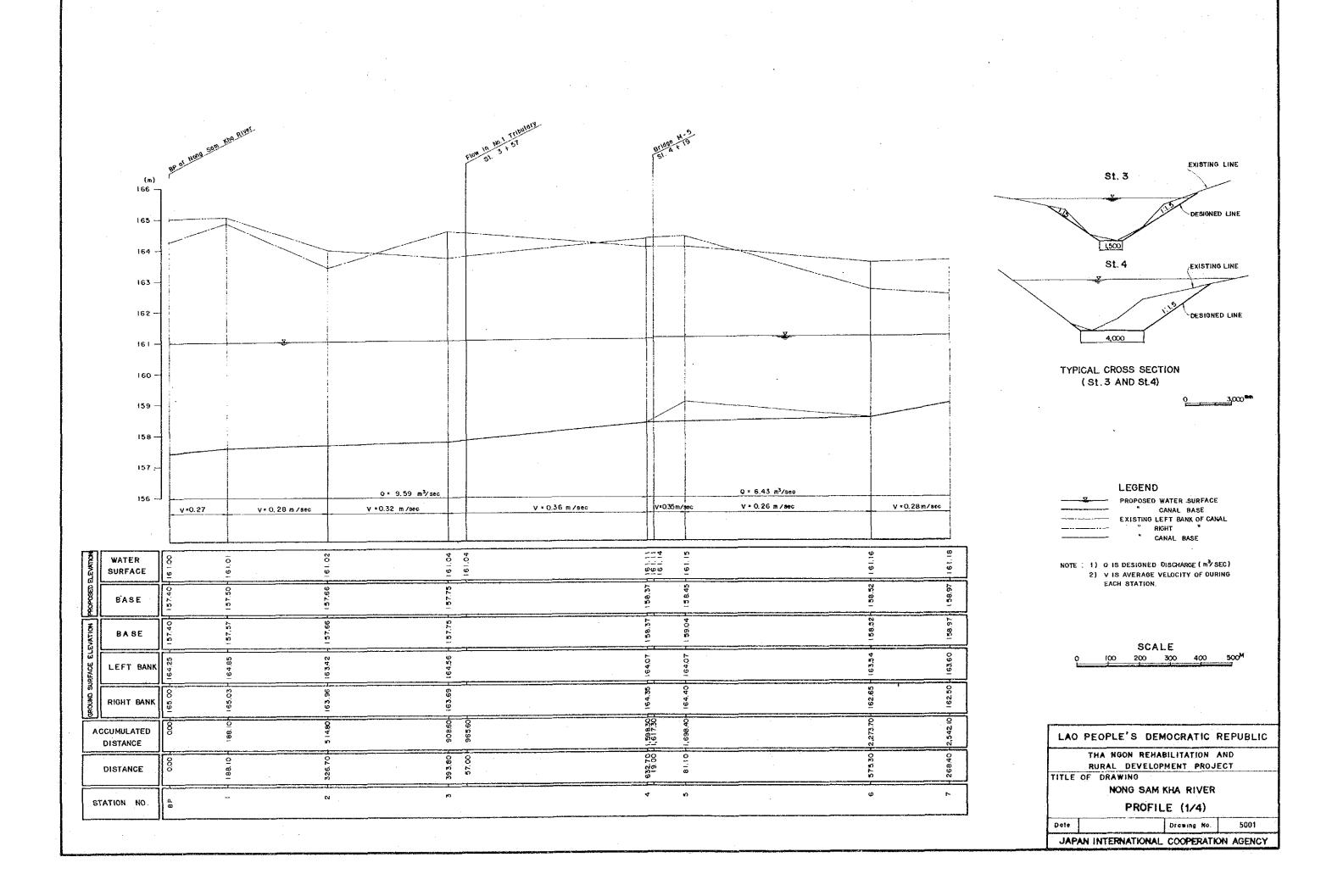
Cole	Description	Rating
/ NP	Name plate	
2 NP	"	MAIN
3 NP	"	STATION
1 IL	Lamp for power source	110 y zw white
2 IL	- under voltage	" Red
37L	" NFB tripping	" "
4IL	" high temp of trans.	
S IL	n grounding	6 ,,
6 I L	" open permit of 0.5	" Whire
VM	AC Volemeter	518/150 1.5 class
IAM	AC Anneter	500/5A "
2 <i>AM</i>	11	75/5A "
VHS	Switch for volcheter	3\$ transfer
AHS	ii armeter	1,
AHS	., "	. "
PFH	3 ¢	110/13 SA + 50% 1.5 class
WM	3%	PT 380/110 V CT 500/5A
IWH11	3 pd	-
2 <i>WHH</i>	39	
/ PB	Push button for bell stop	
2 PB	" buzzer stop	
3 PB .	" trouble reset	
UV	11 1 6 1 1 1 6 1	
04	Under voltage relay Over voltage ground relay	
009	Over custent neutral	-
		-
CTT	Test terminal for voltage	

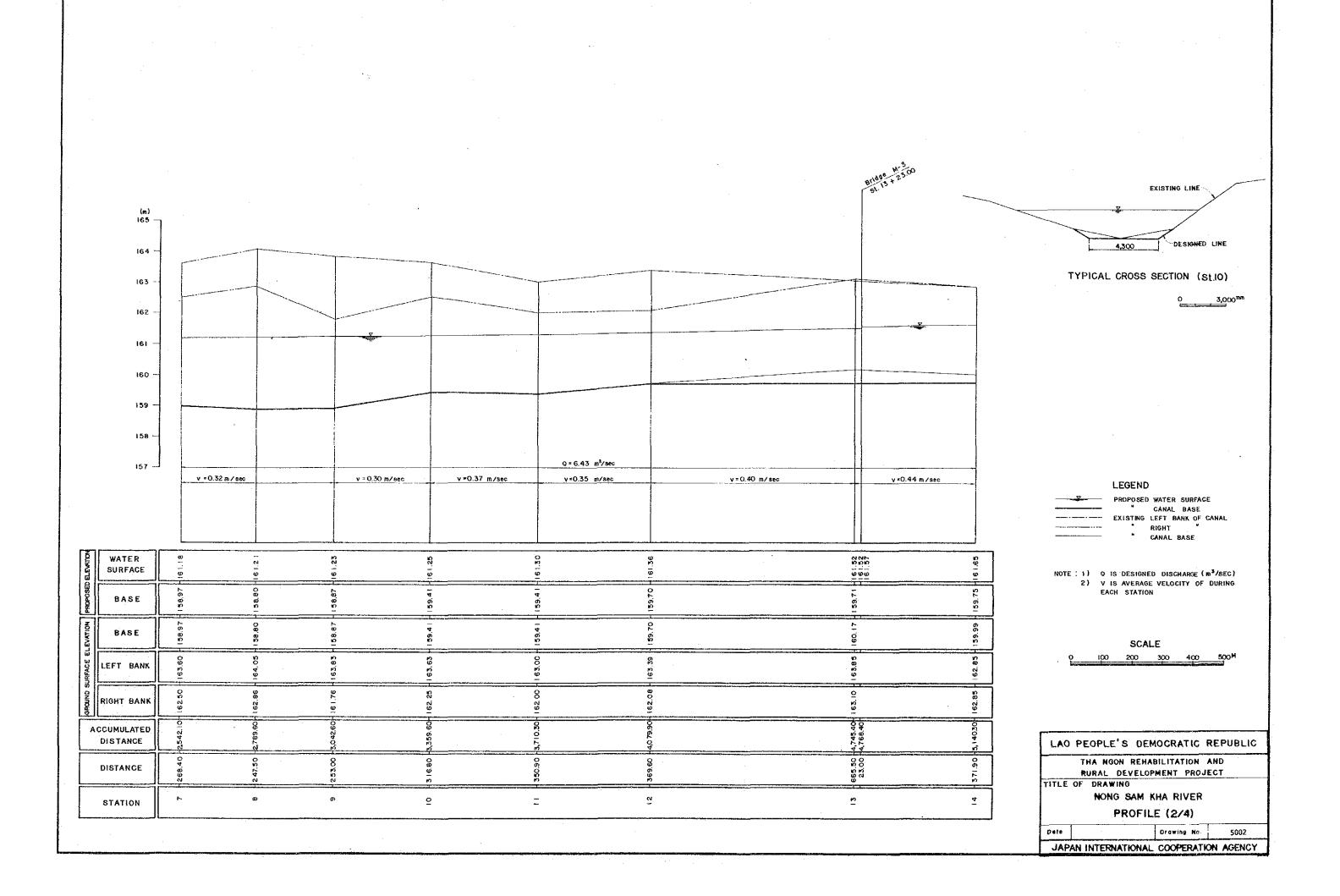
LAO	PEOPLE'S DEMOCRATIC REPUBLIC
-	THA NGON REHABILITATION AND RURAL DEVELOPMENT PROJECT
ITLE	OF DRAWING DRAINAGE PUMP STATION
	PANELS

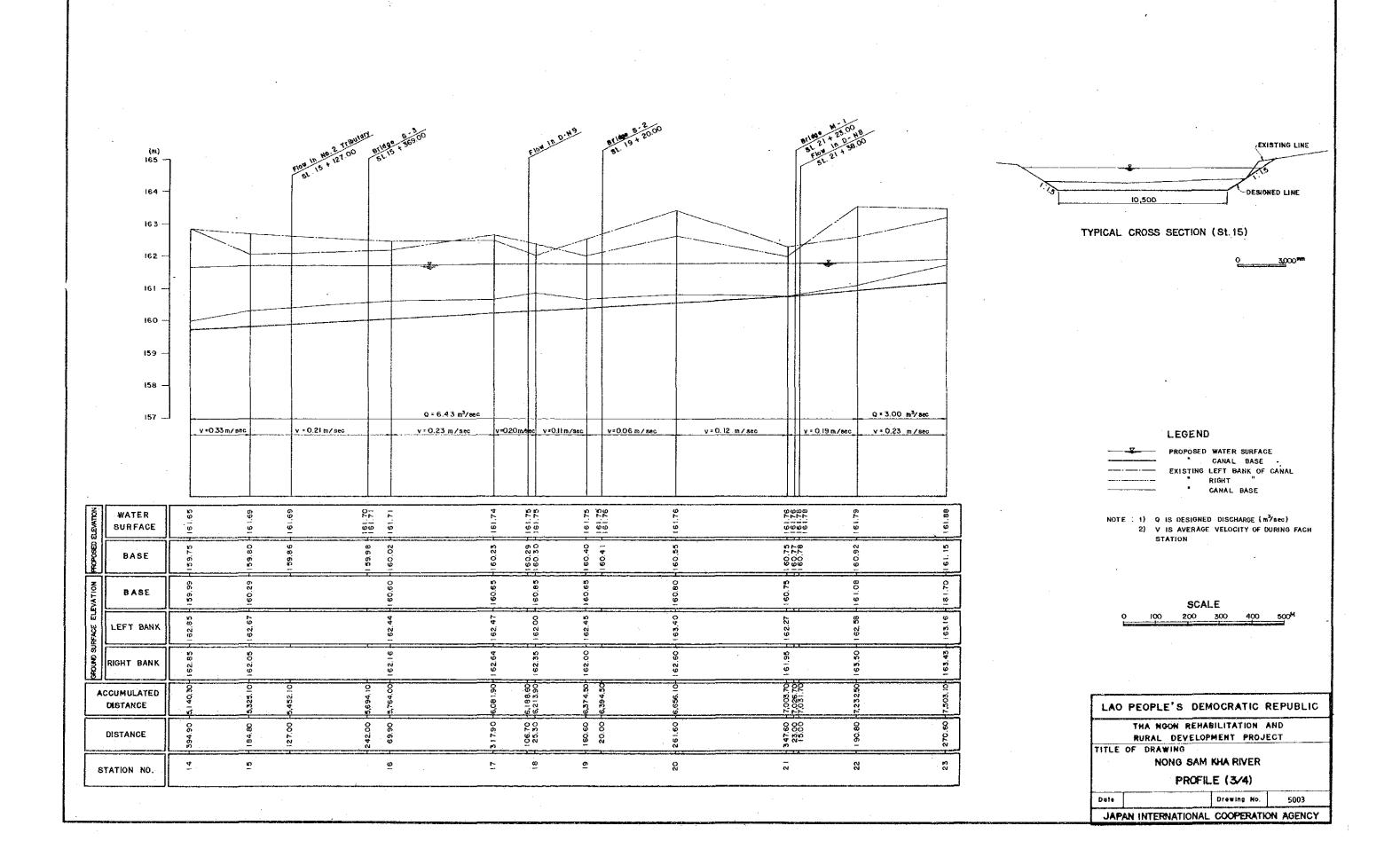
Date		Drawing No.	4002
JAP	AN INTERNATIONAL	COOPERATIO	N AGENCY

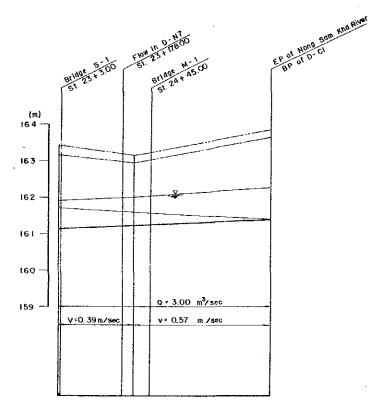




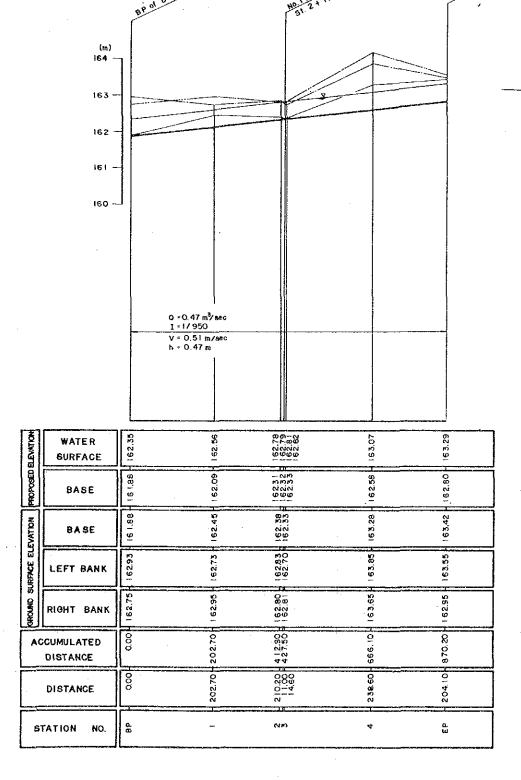


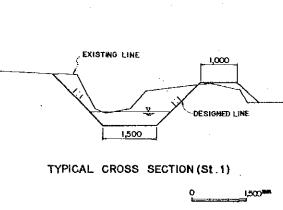






PROPOSED ELEVATION	WATER SURFACE	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	62:00 66:09 66:00 66:00 66:00 66:00	162.26
PROPOSED	BASE	0.0 	161.22	04.180
ELEVATION	BASE	161.70	09.1-01	. 61.40
SURFACE EL	LEFT BANK	163.16	62.95	163.67
GROUND SU	RIGHT BANK	163,43	6 5 5	638
A	CCUMULATED DISTANCE	7.508.10 7.506.10	7,754.90	-0£060'8
DISTANCE		270.60	28.80 28.80 45.00	335.60
STATION NO.		23	2	ē.





LEGEND

PROPOSED WATER SURFACE
CANAL BASÉ
EXISTING LEFT BANK OF CANAL
RIGHT

" CANAL BASE

NOTE : 1) Q IS DESIGNED DISCHARGE (m3/SEC) 2) V IS AVERAGE VELOCITY OF DURING EACH STATION.

SCALE

0 100 200 300 400 500^h

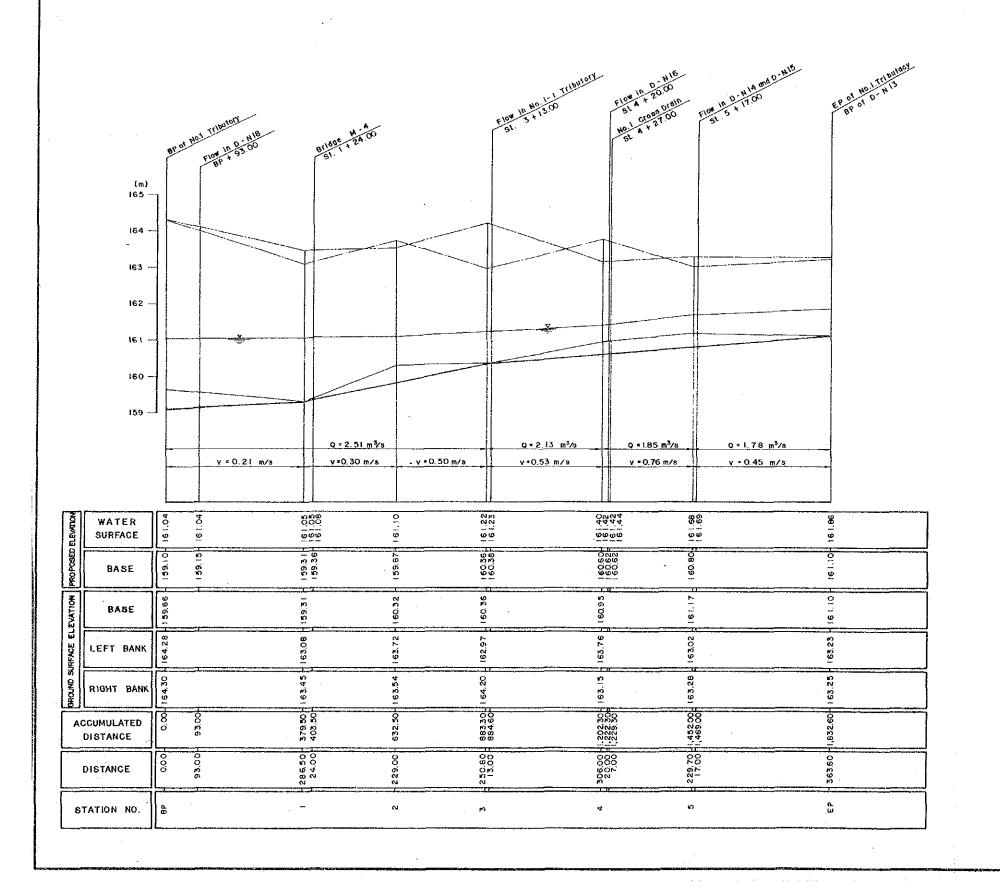
LAO PEOPLE'S DEMOCRATIC REPUBLIC

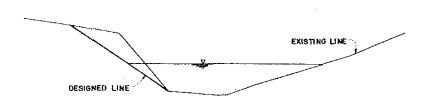
THA MGON REHABILITATION AND RURAL DEVELOPMENT PROJECT

TITLE OF DRAWING

NON SAM KHA RIVER

PROFILE (4/4) AND D-N12 PROFILE





TYPICAL CROSS SECTION (St.1)



PROPOSED WATER SURFACE

CANAL BASE

EXISTING LEFT BANK OF CANAL

RIGHT

CANAL BASE

NOTE [1) Q IS DESIGNED DISCHARGE (m3/SEC)
2) V IS AVERAGE VELOCITY OF DURING EACH STATION

SCALE 100 200 300 400 500^M

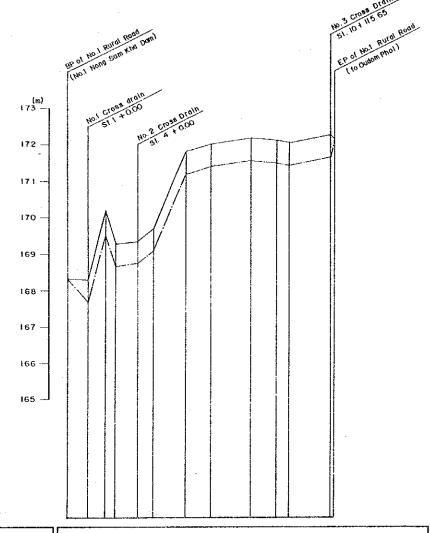
LAO PEOPLE'S DEMOCRATIC REPUBLIC

THA NGON REHABILITATION AND
RURAL DEVELOPMENT PROJECT

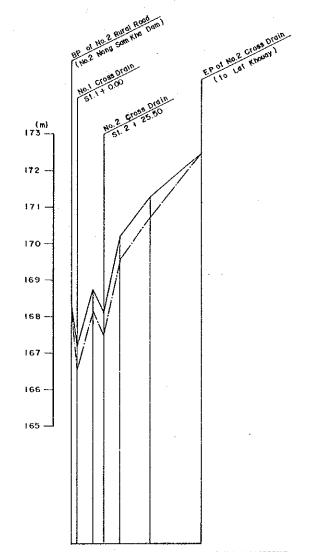
TITLE OF DRAWING
NO.1 TRIBUTARY
PROFILE

Date Drawing No. 5005

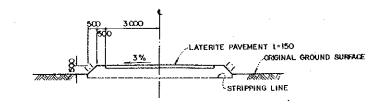
JAPAN INTERNATIONAL COOPERATION AGENCY



	٠		<u> </u>		l						
PROPOSED ELEVATION	168.33	168.28	170.18	69 33	169,69	171.77	171.98	172.16	172.10	172.14	
GROUND SURFACE ELEVATION	168.33	167.67	169.57	168.74	169.08	171.16	171.37	171.55	171.49	171.64	
ACCUMULATED DISTANCE	80.0	54.05	13 1.05	191.70	232.95	324.50	39 4,05	505.15	57 5.30 6 10.25	725.90 735.90	
DISTANCE	00.0	54.05	28.60	60 65	41.25	<u>ق</u> ق	69.55	0	34.95	15.65	
STATION	3p		rv m	4	ĸ,	vo	۸.	σ,	φç	<u>a</u>	
CURVE	ıΔ	0°-30	A 2º44' 1A7°-	1 50 IA		P-26' 3' \ A29°32' 1			1A 6°-1 1A 50°-47	I'	



PROPOSED ELEVATION	16.8.29 16.8.75 16.8.06 170.18	72.43
GROUND SURFACE ELEVATION	1682 1682 163.4 163.4 169.5 170.65	72.45
ACCUMULATED DISTANCE	00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	00 P.
DISTANCE	0004- 8.2.8.5.00 00.1.8.00 00.1.8.00 00.1.8.00 00.1.8.00 00.1.8.00	0.07.750
STATION	8 и н 4	a. W
CURVE _	IA 30°-57' IA 22°39'	_



TYPICAL CROSS SECTION OF RURAL ROAD

Q 3,000 B

SCALE 0 100 200 300 400 500^M

LAO PEOPLE'S DEMOCRATIC REPUBLIC

THA NGON REHABILITATION AND
RURAL DEVELOPMENT PROJECT

TITLE OF DRAWING
NO.1 AND NO.2 RURAL ROAD
PROFILE

Date Drawing No. 6001

