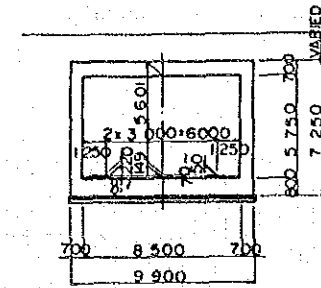
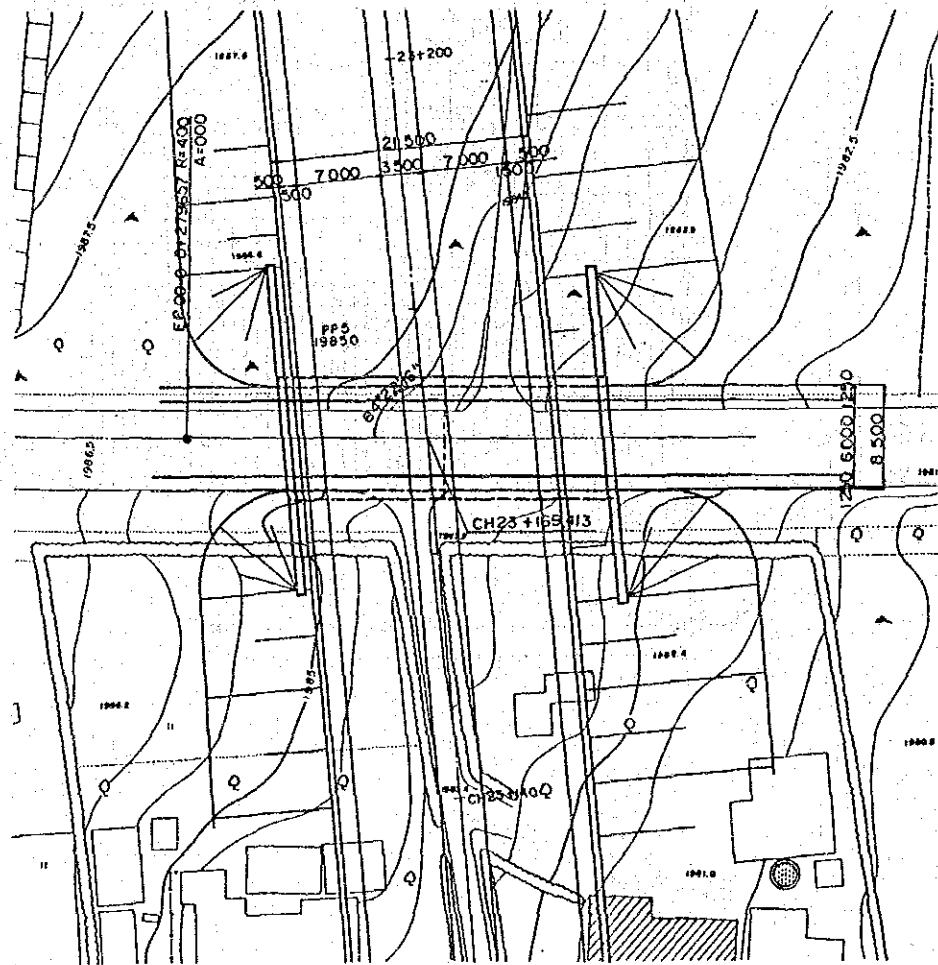


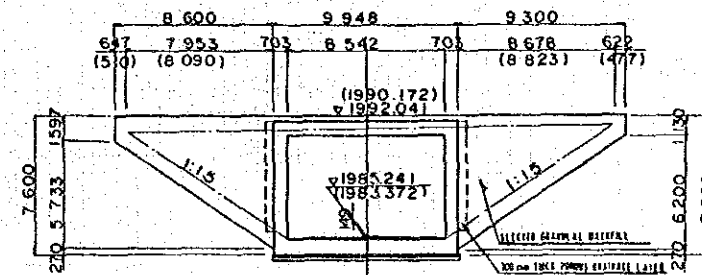
PROFILE SCALE 1:300



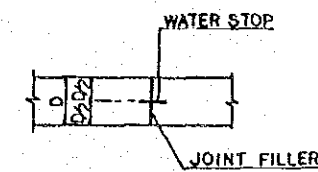
CROSS SECTION SCALE 1:200



PLAN SCALE 1:300



LEFT WING (RIGHT WING)
ELEVATION OF WINGWALL SCALE 1:200



DETAIL OF JOINTS

NO 4 BOX CULVERT FOR ROAD

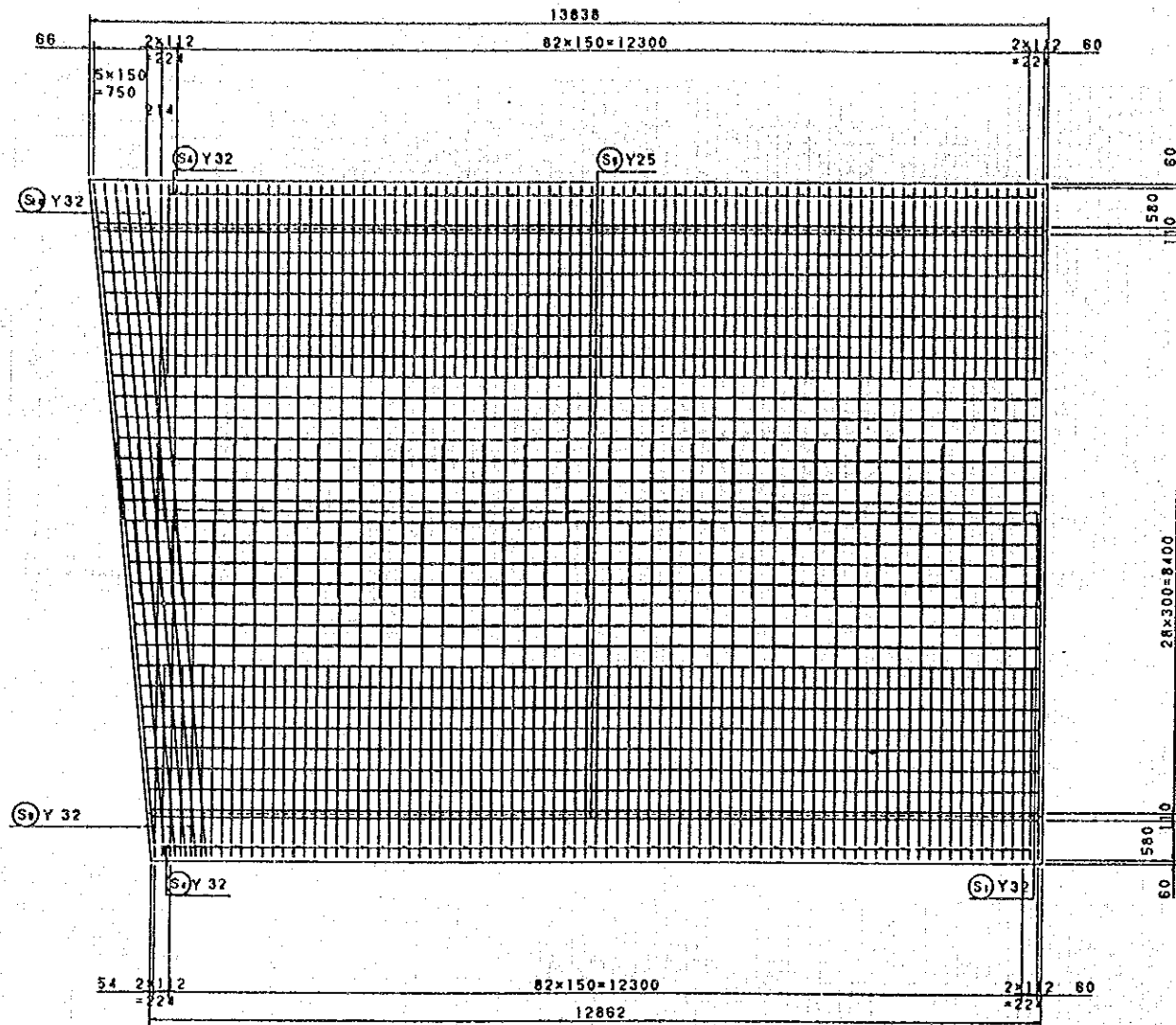
AERIAL PHOTO BY	SURVEYED BY
MAPPING BY	TRACED BY
LOCATION BY	CHECKED BY

MOPW ROADS DEPT DRG NO.

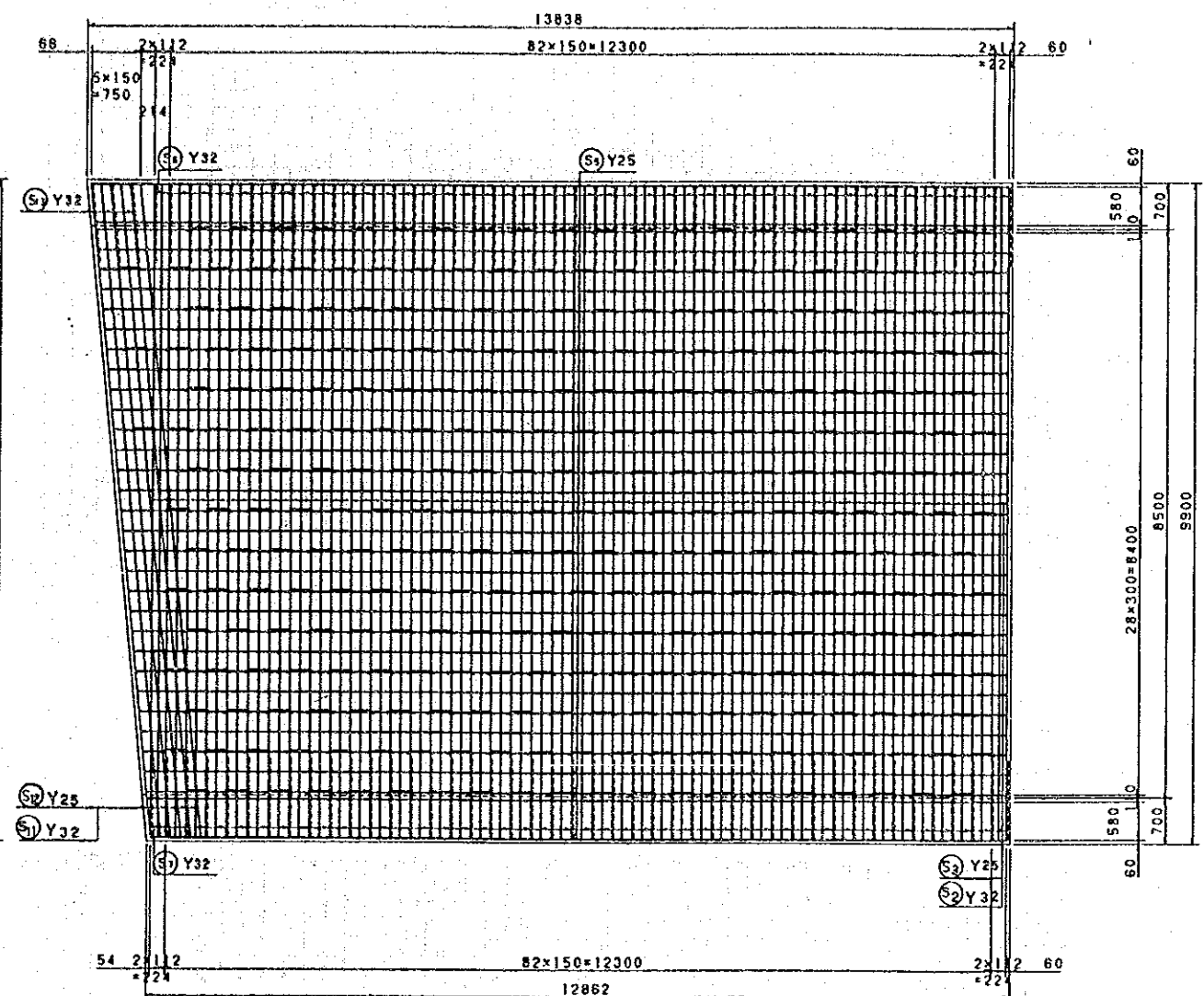
REVISIONS		JAPAN INTERNATIONAL COOPERATION AGENCY	CHIEF ENGINEER (ROADS)	SEN SUPT. ENG (DESIGN)	SCALES	NAIROBI BYPASS	Q
DESCRIPTION	DATE						

SURVEYED BY
 MAPPING BY
 LOCATION BY
 TRACED BY
 CHECKED BY

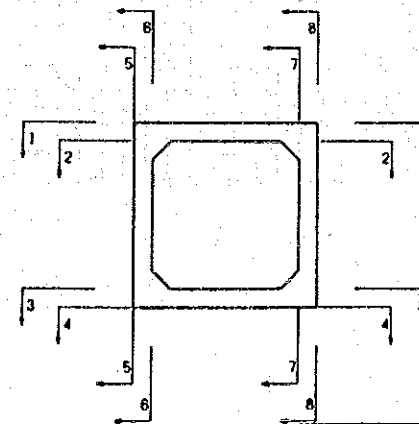
MOPW ROADS DEPT DRG NO



1 — 1



2 — 2



REVISIONS	
DESCRIPTION	DATE

JAPAN INTERNATIONAL
COOPERATION AGENCY

CHIEF ENGINEER (ROADS)
CHIEF SUPT ENG (DESIGN)

SEN SUPT ENG (DESIGN)
SUPT ENGINEER (DESIGN)
PROJECT ENGINEER

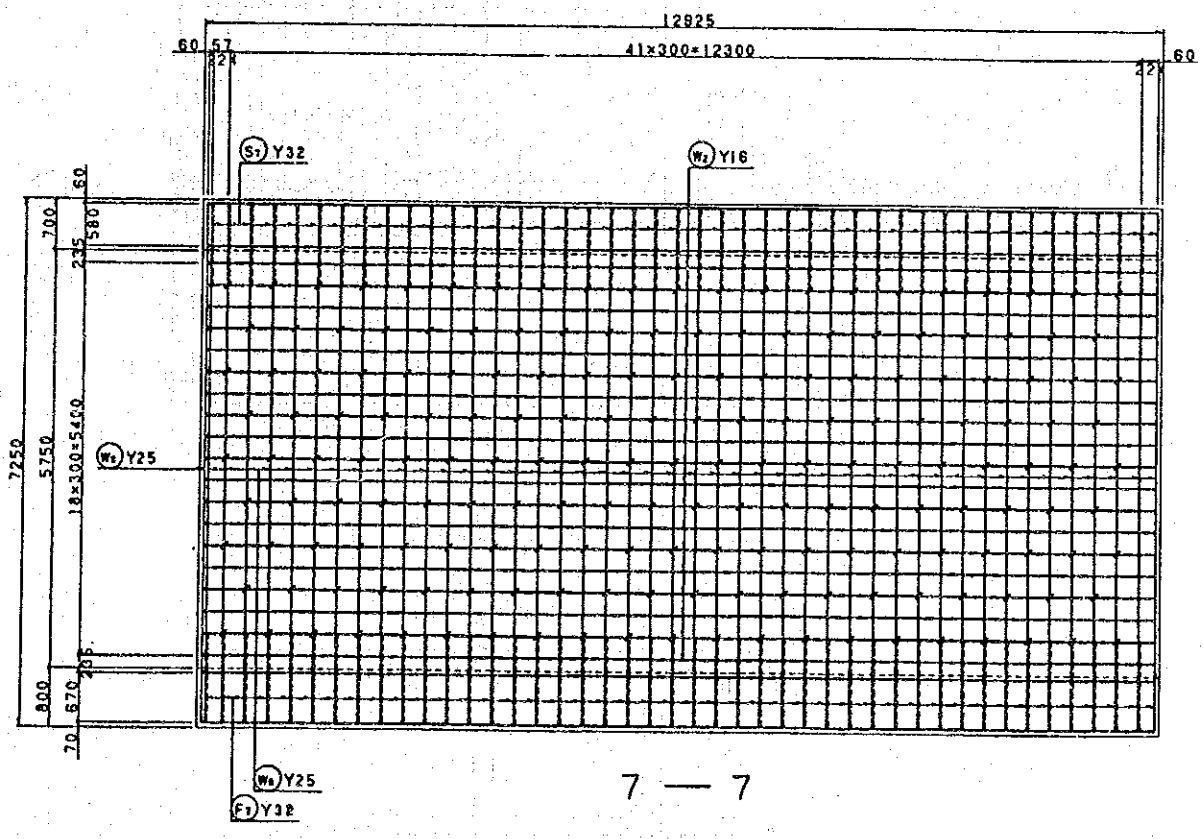
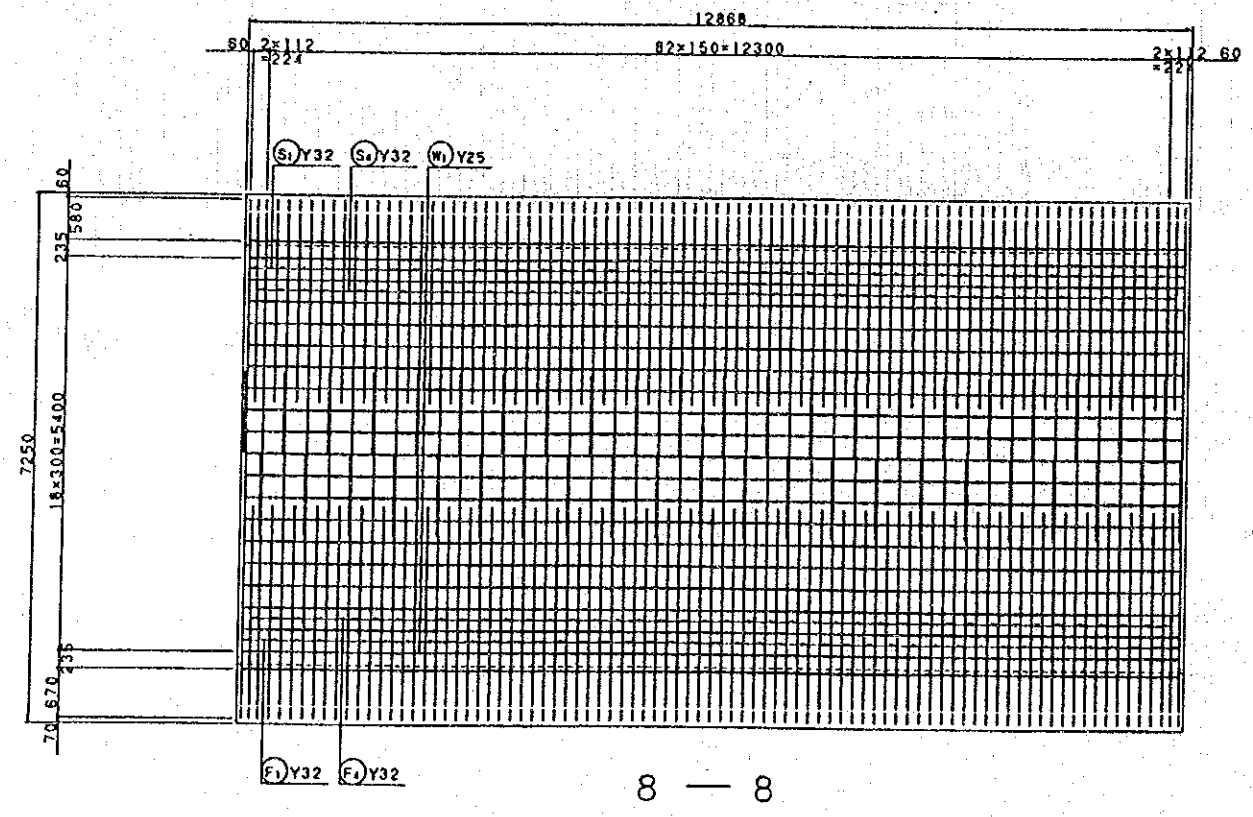
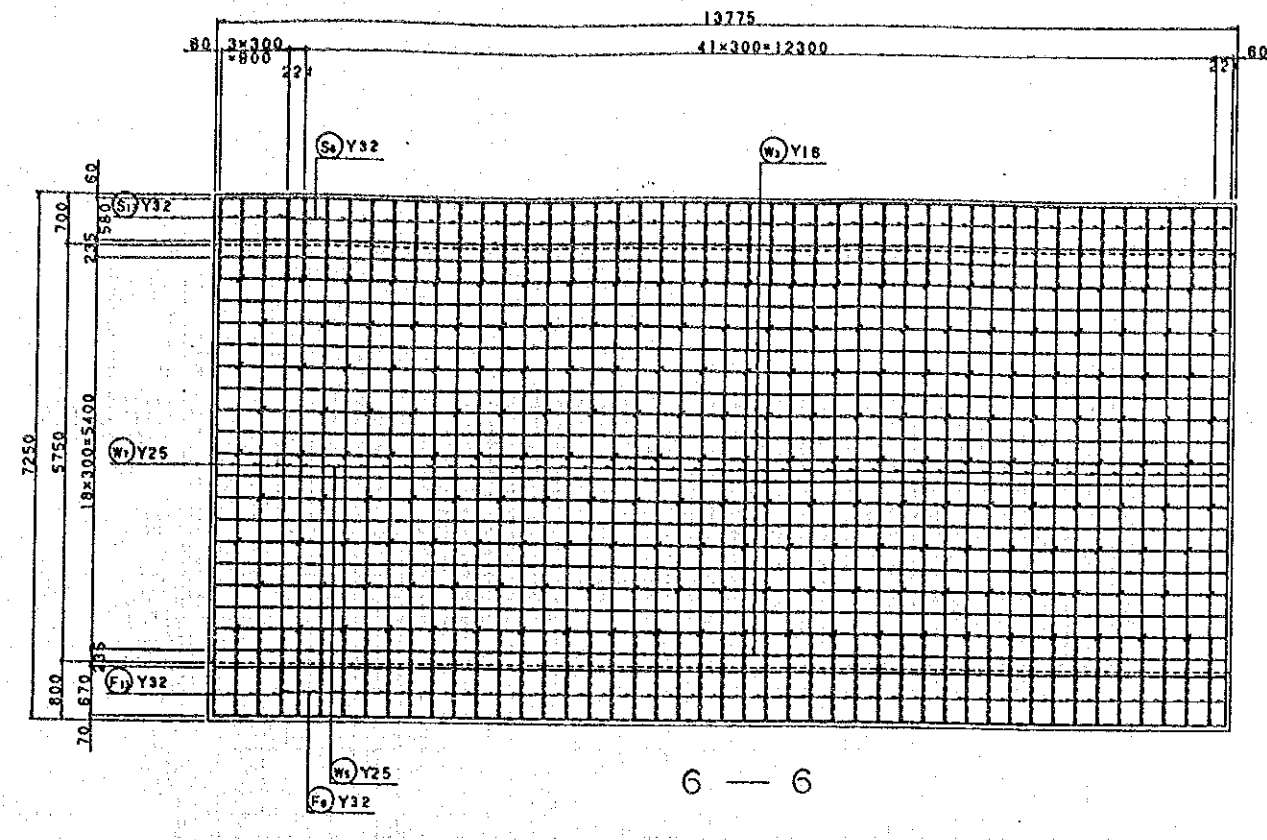
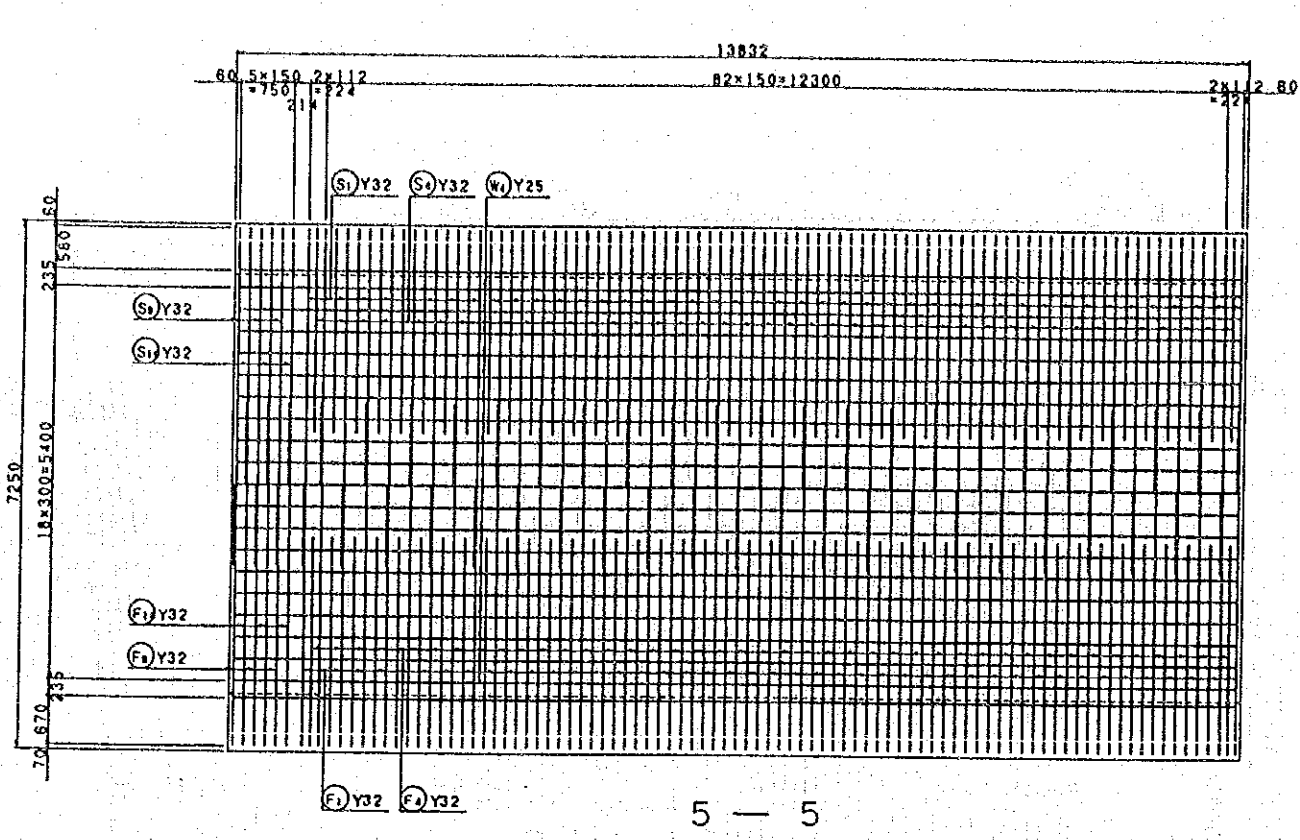
SCALES
1:50

NAIROBI BYPASS
VEHICLE BOX CULVERTS
CN 23-185, 41 8-2.50 B-4.75 (2)

Q
SHEET 4 OF 183

AERIAL PHOTO BY: SURVEYED BY:
 MAPPING BY: TRACED BY:
 LOCATION BY: CHECKED BY:

MOPW ROADS DEPT DRG NO.



REVISIONS	
DESCRIPTION	DATE

JAPAN INTERNATIONAL COOPERATION AGENCY	CHIEF ENGINEER (ROADS)
	CHIEF SUPT ENG (DESIGN)

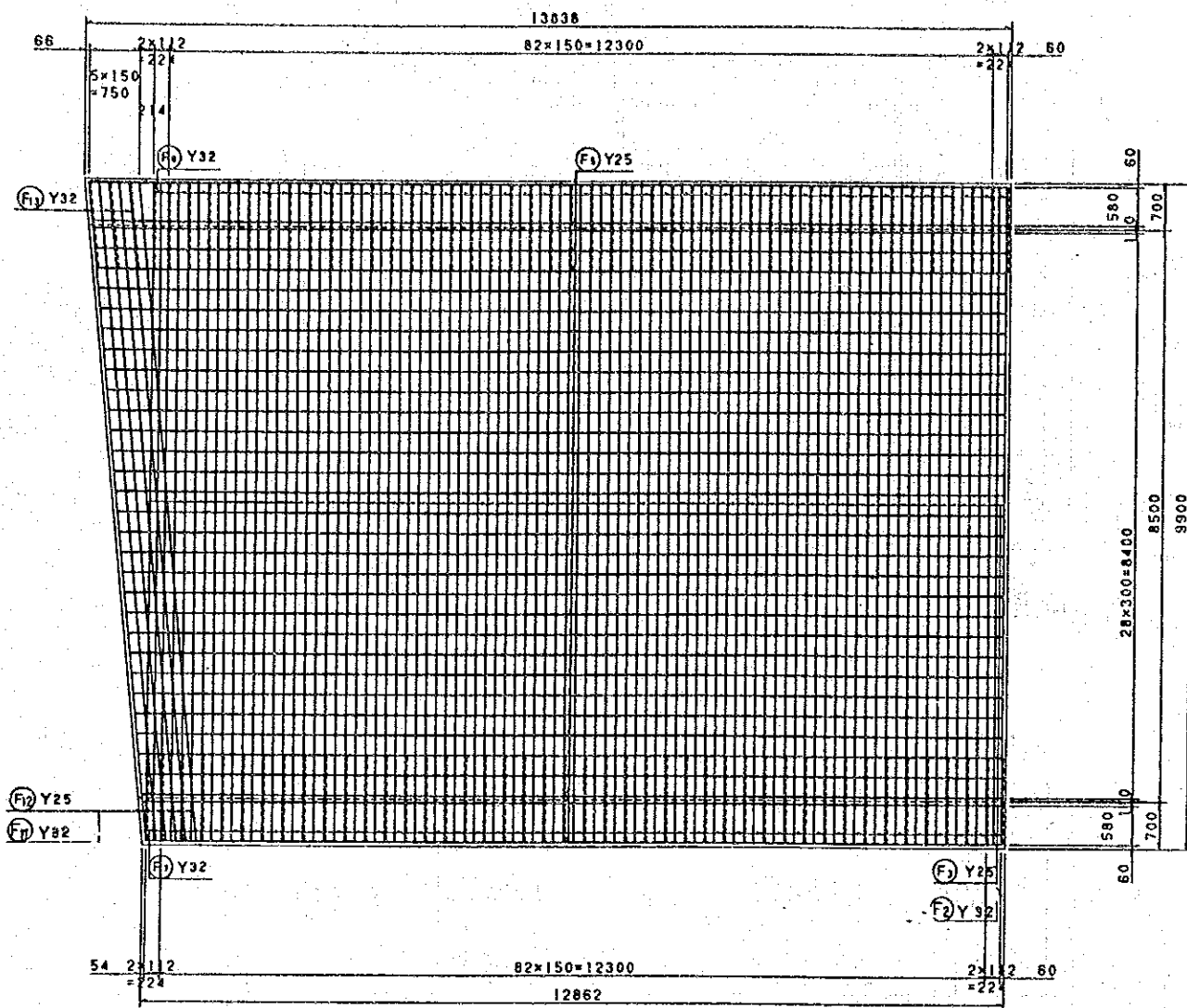
SEN SUPT. ENG (DESIGN)	
SUPT ENGINEER (DESIGN)	
PROJECT ENGINEER	

SCALES
1:50

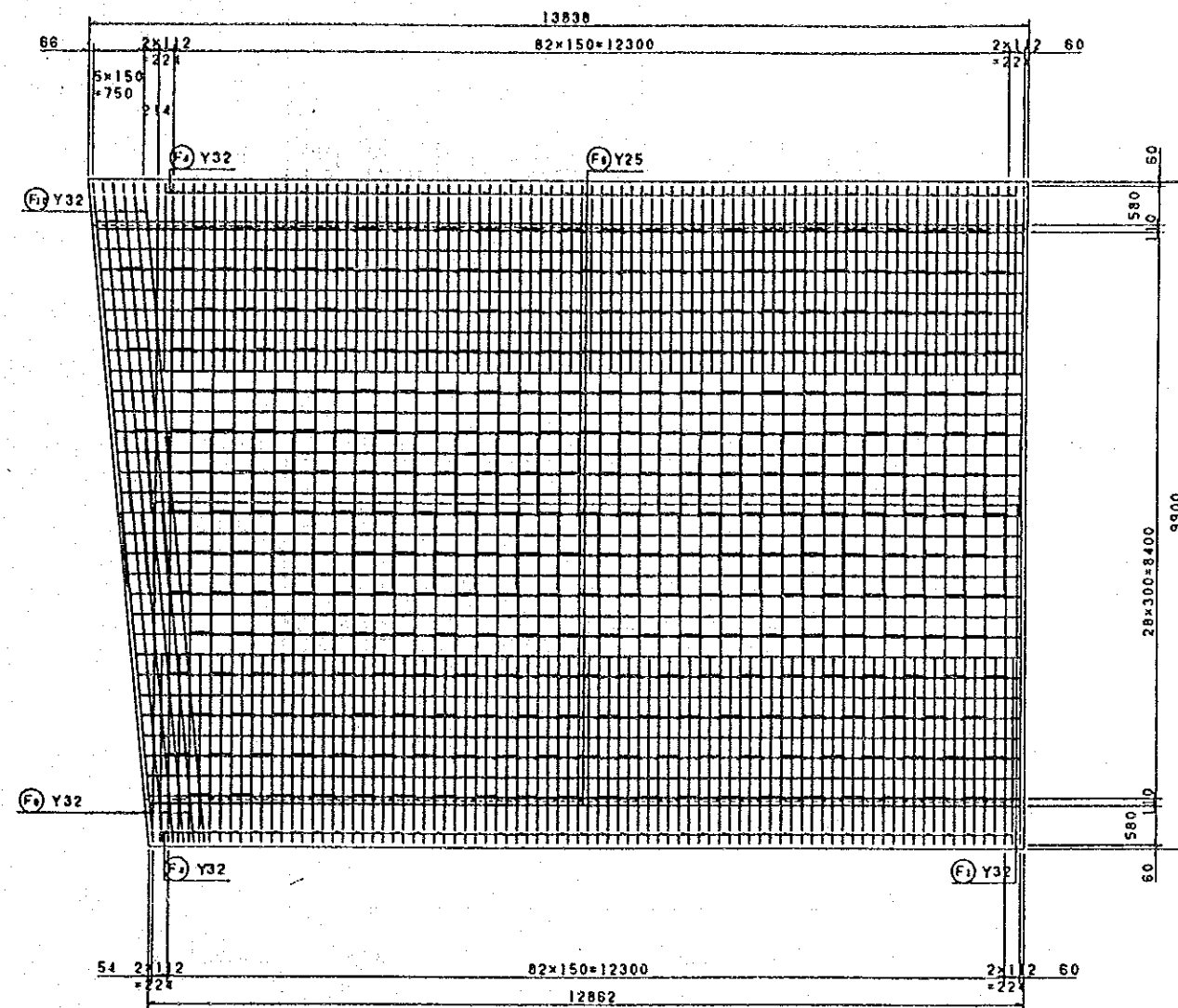
NAIROBI BYPASS
 VEHICLE BOX CULVERTS
 CH 23+189.41 V=+1.60 R=+5.76 (1)

AERIAL PHOTO BY	SURVEYED BY
MAPPING BY	TRACED BY
LOCATION BY	CHECKED BY

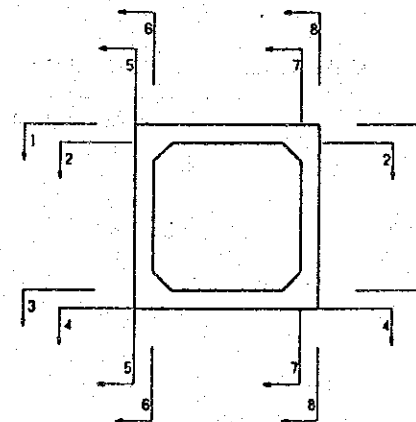
M.C.P.W. ROADS DEPT DRG NO.



3 — 3



4 — 4



REVISIONS	
DESCRIPTION	DATE

JAPAN INTERNATIONAL COOPERATION AGENCY

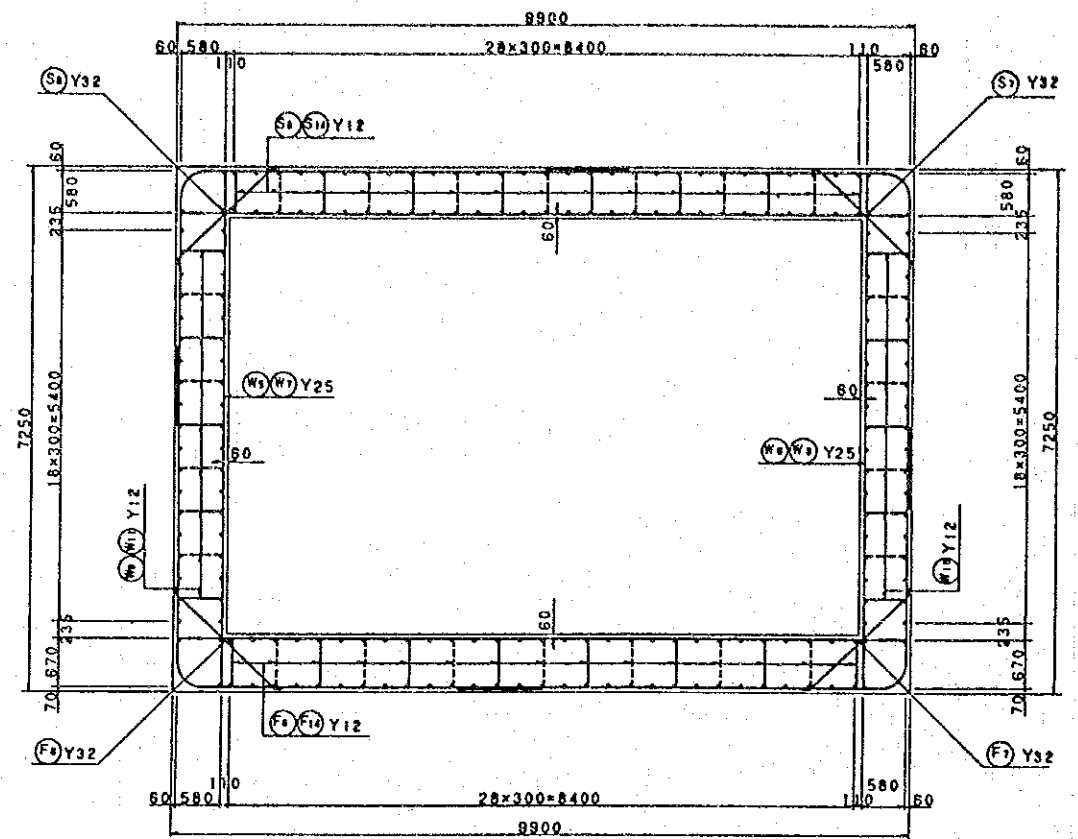
CHIEF ENGINEER (ROADS)
CHIEF SUPT ENG (DESIGN)

SEN SUPT ENG (DESIGN)
SUPT ENGINEER (DESIGN)
PROJECT ENGINEER

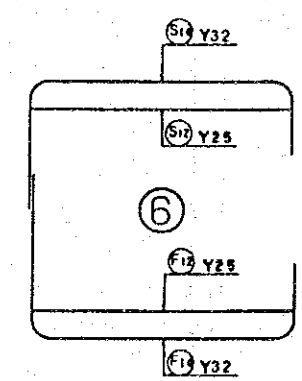
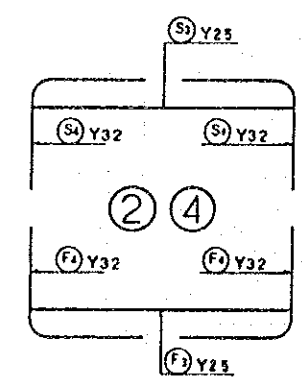
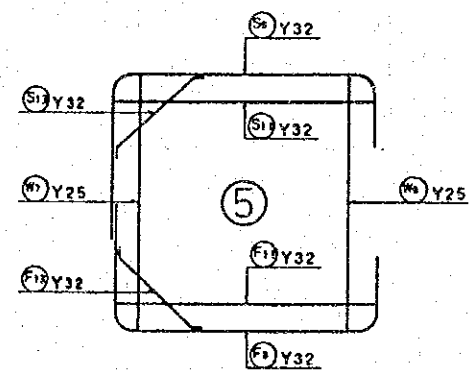
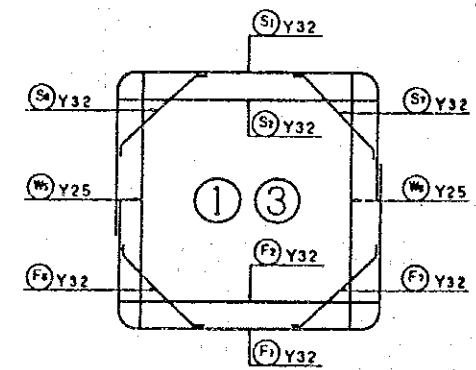
SCALES
1:50

NAIROBI BYPASS
VEHICLE BOX CULVERTS
CR 23-169, 41 8+3.60 8+5.75 (4)

Q
SHEET 6 OF 18 2



SECTION



MARK	DIA	a	b	L	REMARK
S 8	Y12	345	625	1785	
S14	Y12	345	625	1785	
F 8	Y12	345	715	1875	
F14	Y12	345	715	1875	
W 9	Y12	---	622	822	
W10	Y12	---	622	822	
W11	Y12	---	624	824	

MARK	DIA	a	H	L	NUMBER
S 6	Y32	1690	1195	1890	44
S 7	Y32	1690	1195	1890	44
S13	Y32	1694	1198	1894	4
F 6	Y32	1817	1285	2017	44
F 7	Y32	1817	1285	2017	44
F13	Y32	1822	1288	2022	4

MARK	DIA	a	b	c	L = a + b	LAP. NUMBER
S 5	Y25	10000	3623- 4587(4105)	875	13623- 14581(14105)	1 64
F 5	Y25	10000	3623- 4587(4105)	875	13623- 14581(14105)	1 64
W 1	Y25	10000	3623	875	13623	1 19
W 2	Y16	10000	3365	560	13365	1 19
W 3	Y16	10000	4215	560	14215	1 19
W 4	Y25	10000	4587	875	14587	1 19

AERIAL PHOTO BY _____ SURVEYED BY _____
 MAPPING BY _____ TRACED BY _____
 LOCATION BY _____ CHECKED BY _____

MCPW ROADS DEPT DRG NO.

REVISIONS	
DESCRIPTION	DATE

JAPAN INTERNATIONAL COOPERATION AGENCY
 CHIEF ENGINEER (ROADS)
 CHIEF SUPT ENG (DESIGN)

SEN SUPT ENG (DESIGN)
 SUPT ENGINEER (DESIGN)
 PROJECT ENGINEER

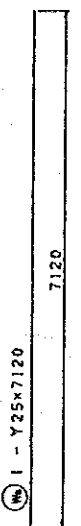
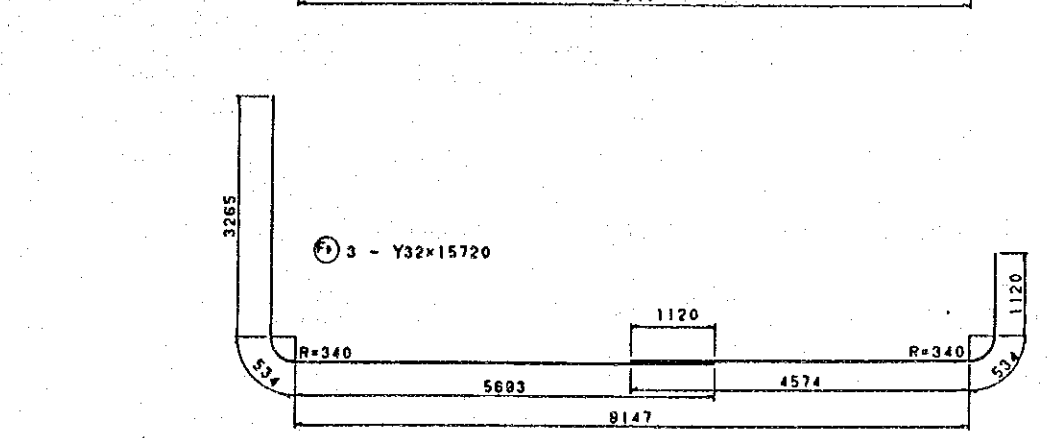
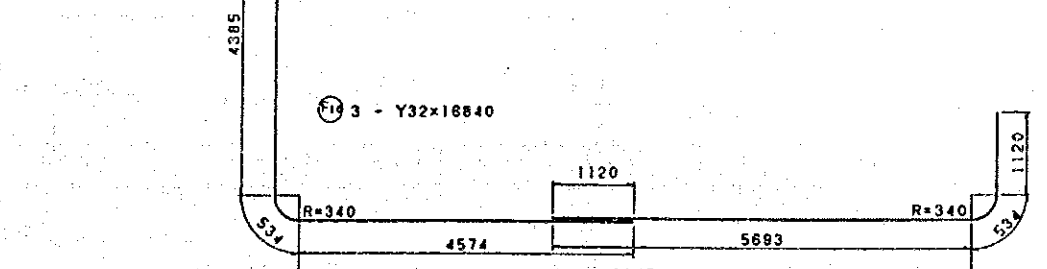
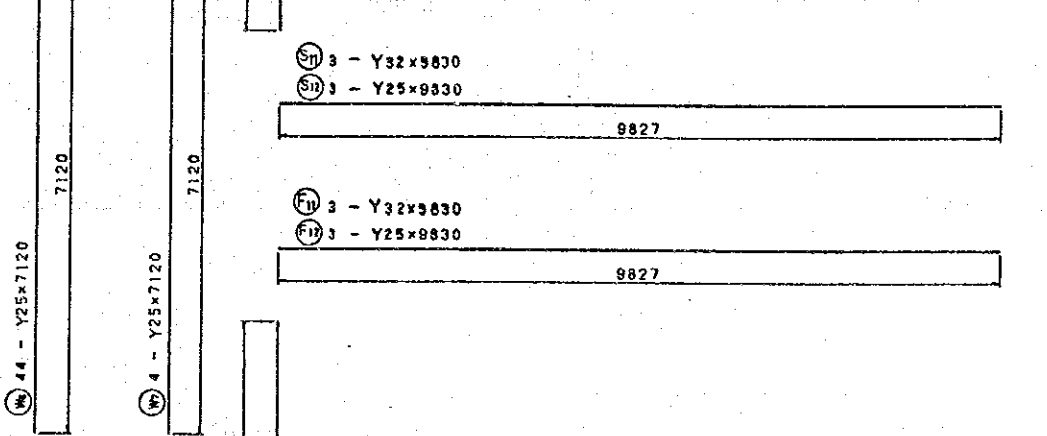
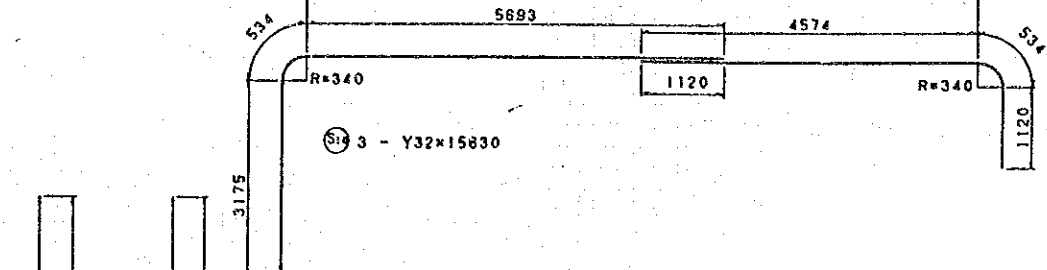
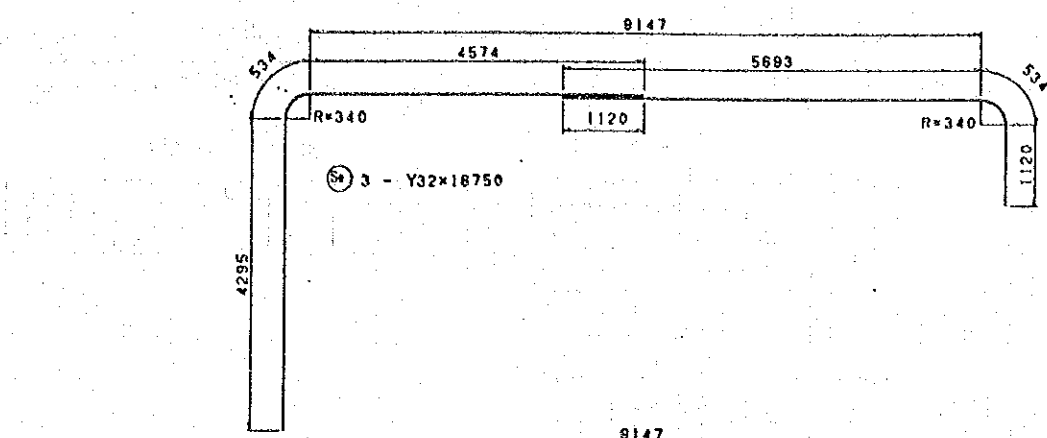
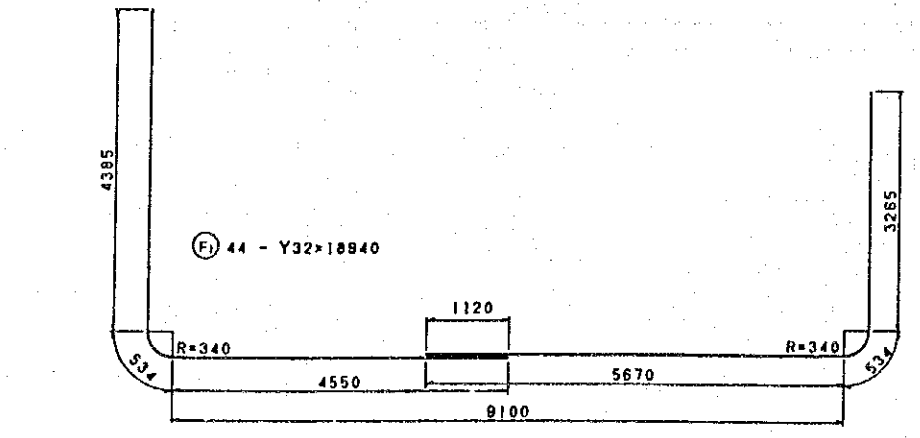
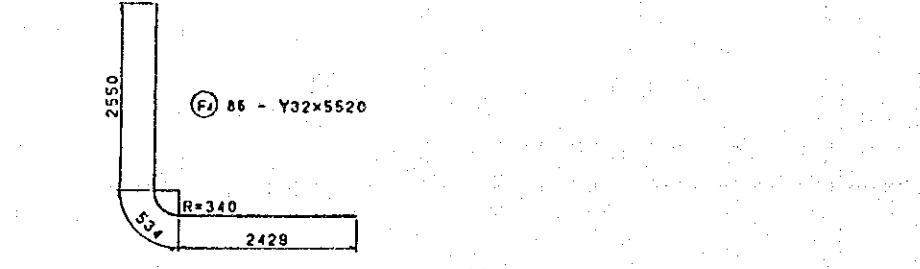
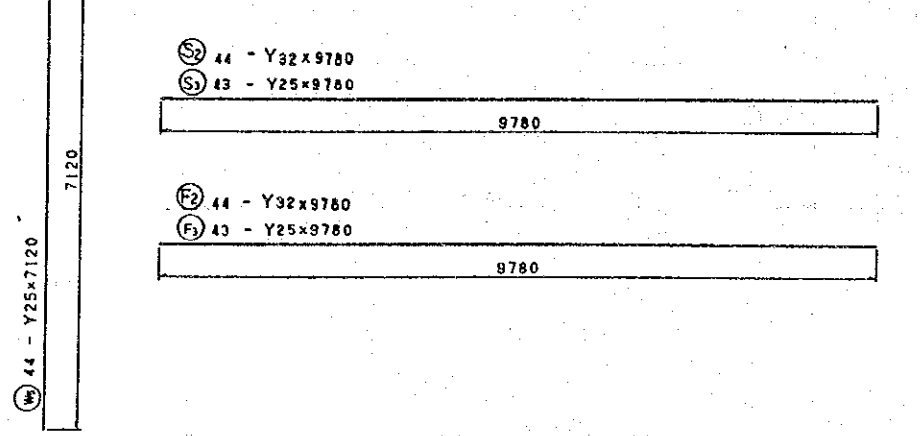
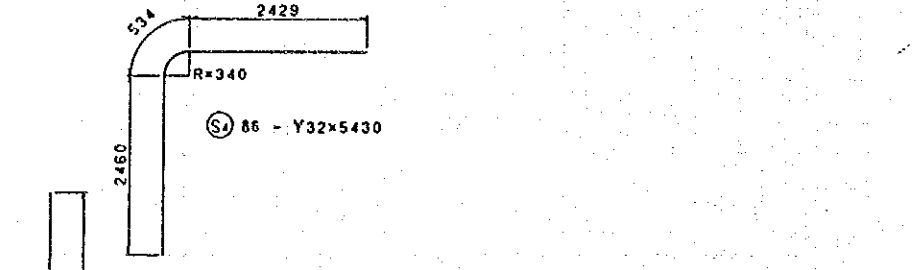
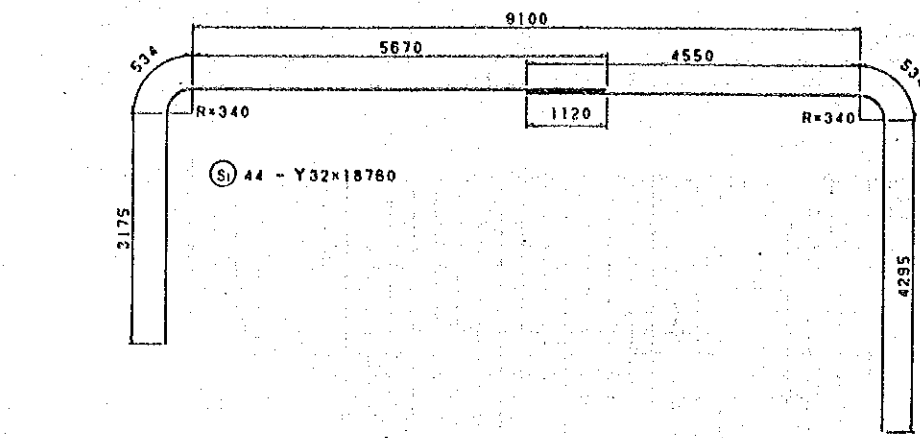
SCALES
 1:50

NAIROBI BYPASS
 VEHICLE BOX CULVERTS
 CH 23+168.41 R=4.60 H=5.76 (5)

AERIAL PHOTO BY
MAPPING BY
LOCATION BY

SURVEYED BY
TRACED BY
CHECKED BY

M.O.P.W. ROADS DEPT DRG NO.



REVISIONS	
DESCRIPTION	DATE

JAPAN INTERNATIONAL
COOPERATION AGENCY

CHIEF ENGINEER (ROADS)
CHIEF SUPY ENG (DESIGN)

SEN SUPT ENG (DESIGN)
SUPT ENGINEER (DESIGN)
PROJECT ENGINEER

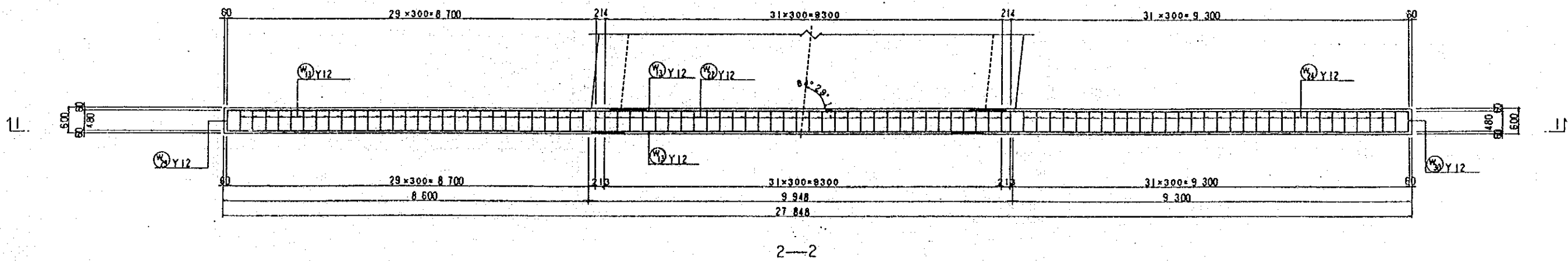
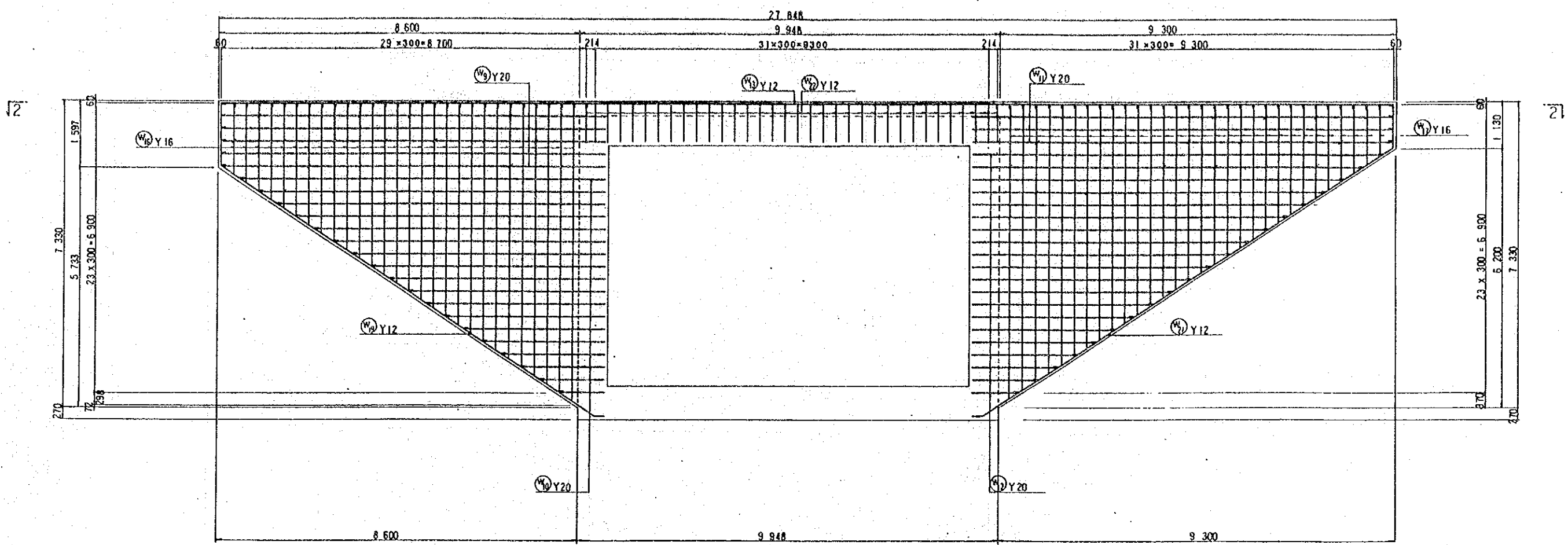
SCALES
1:50

NAIROBI BYPASS
VEHICLE BOX CULVERTS
CR 23+149.41 R=8.50 R+4.75 (R)

Q
SHEET 5 OF 10 3

AERIAL PHOTO BY _____ SURVEYED BY _____
 MAPPING BY _____ TRACED BY _____
 LOCATION BY _____ CHECKED BY _____

MOPW ROADS DEPT DRG NO.



REVISIONS	
DESCRIPTION	DATE

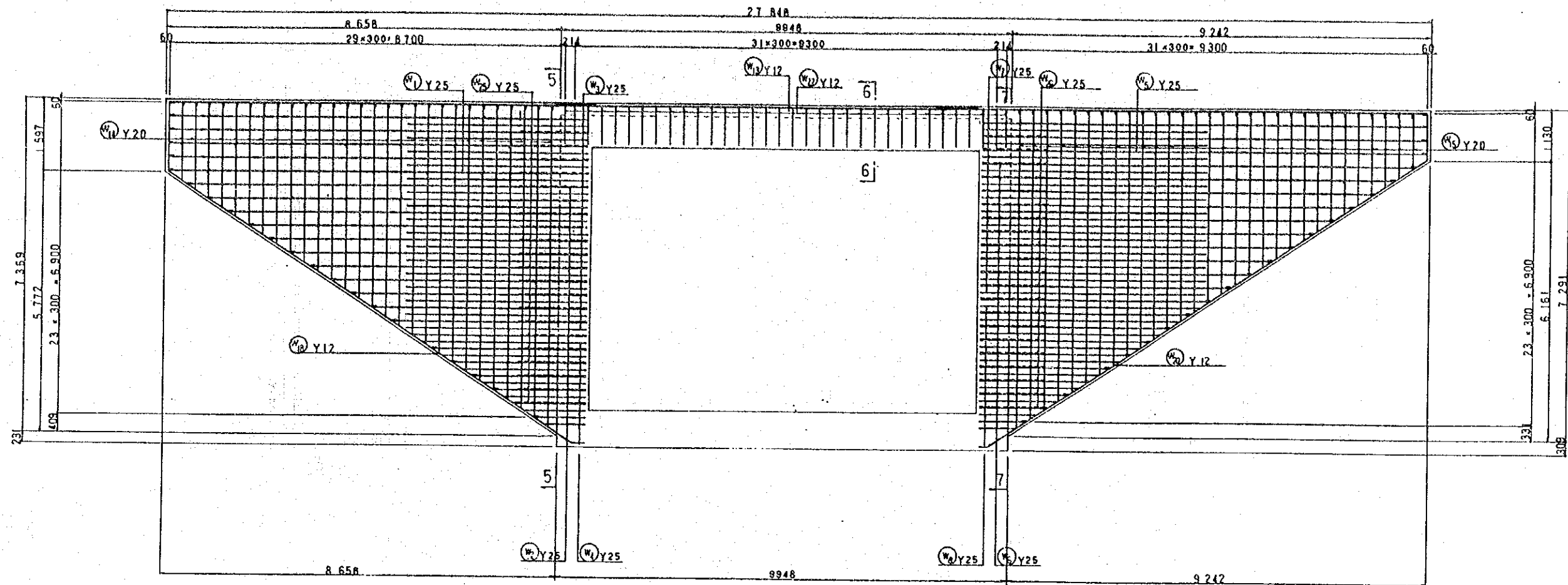
JAPAN INTERNATIONAL COOPERATION AGENCY
 CHIEF ENGINEER (ROADS)
 CHIEF SUPT ENG (DESIGN)

SEN SUPT ENG (DESIGN)
 SUPT ENGINEER (DESIGN)
 PROJECT ENGINEER

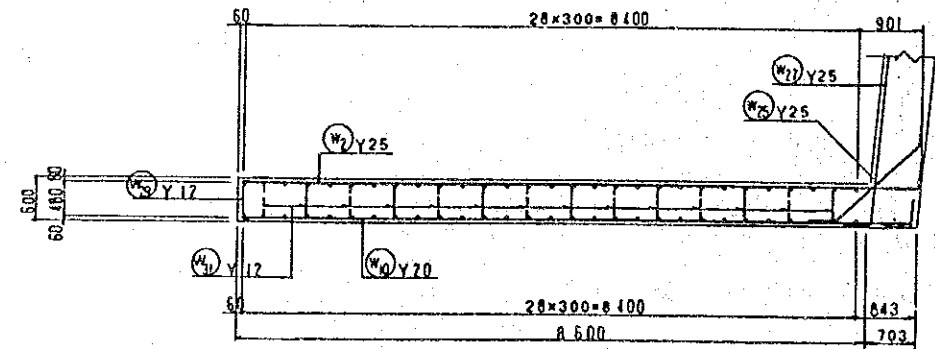
SCALES
 1:50

NAIROBI BYPASS
 VEHICLE BOX CULVERTS
 CR 23-180, 41 W-2, 50 W-1, 74 (7)

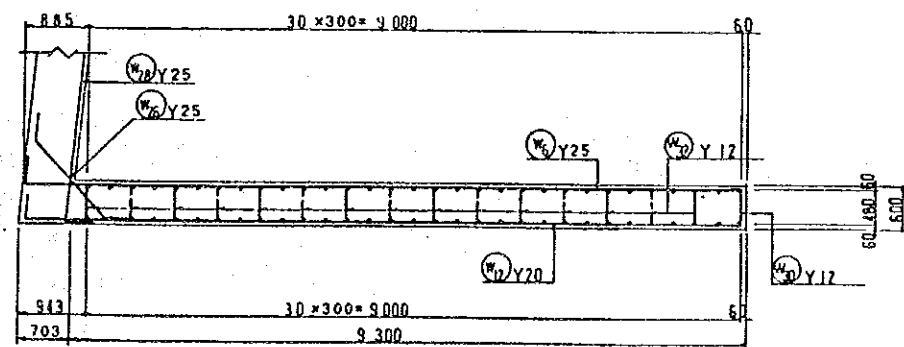
SHEET 59 OF 183



3-3



4-4



AERIAL PHOTO BY	SURVEYED BY
MAPPING BY	TRACED BY
LOCATION BY	CHECKED BY

M.O.P.W. ROADS DEPT. DRG. NO.

REVISIONS	
DESCRIPTION	DATE

JAPAN INTERNATIONAL COOPERATION AGENCY

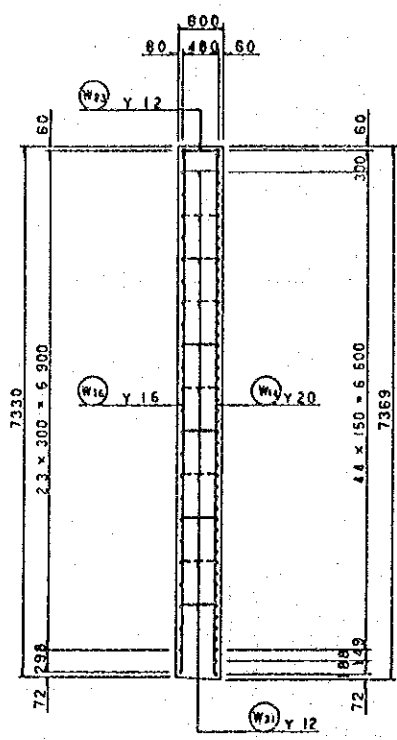
CHIEF ENGINEER (ROADS)
CHIEF SUPT. ENG. (DESIGN)

SEN. SUPT. ENG. (DESIGN)
SUPT. ENGINEER (DESIGN)
PROJECT ENGINEER

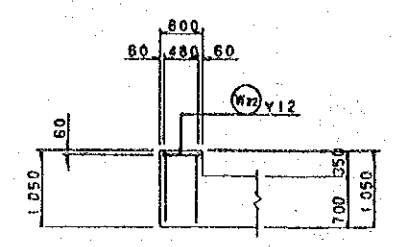
SCALES
1:50

NAIROBI BYPASS
VEHICLE BOX CULVERTS
CN 23x169, 41 W=8.50 H=6.75 (4)

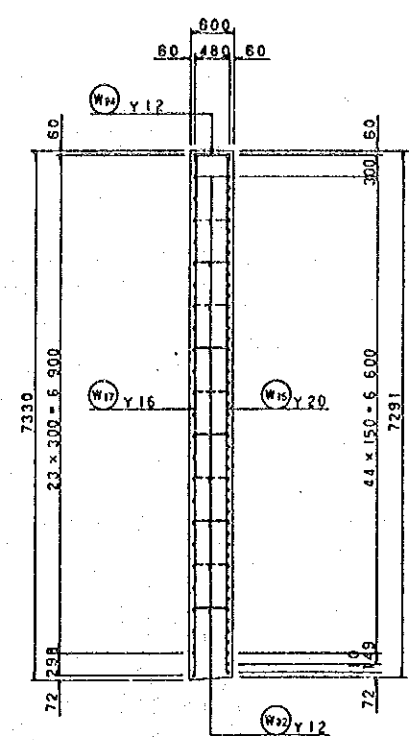
Q
SHEET 60 OF 183



5 — 5

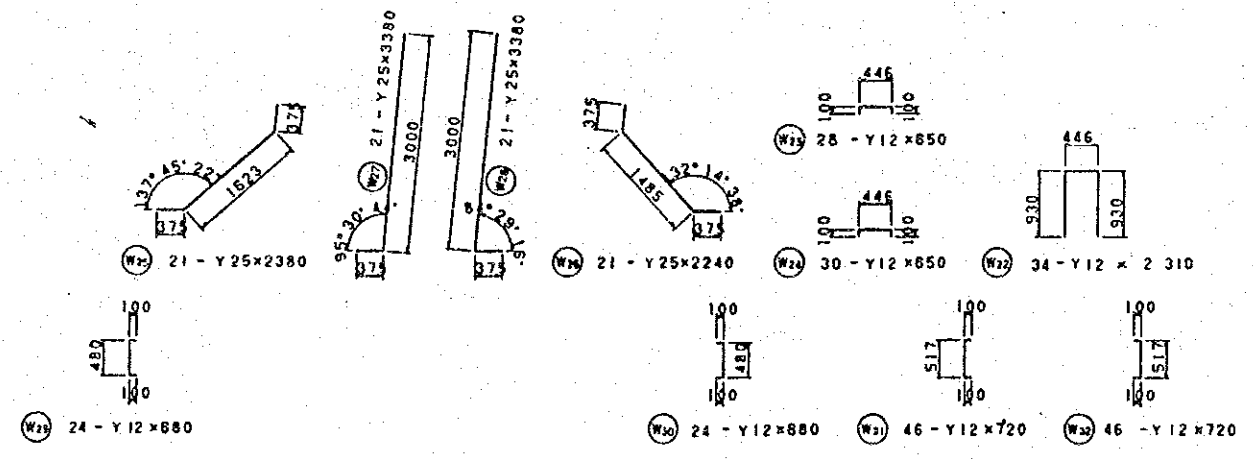


6 — 6



7 — 7

AERIAL PHOTO BY	SURVEYED BY
MAPPING BY	TRACED BY
LOCATION BY	CHECKED BY



M.O.P.W. ROADS DEPT. DRG. NO.

REVISIONS	
DESCRIPTION	DATE

JAPAN INTERNATIONAL COOPERATION AGENCY

CHIEF ENGINEER (ROADS)
CHIEF SUPT. ENG. (DESIGN)

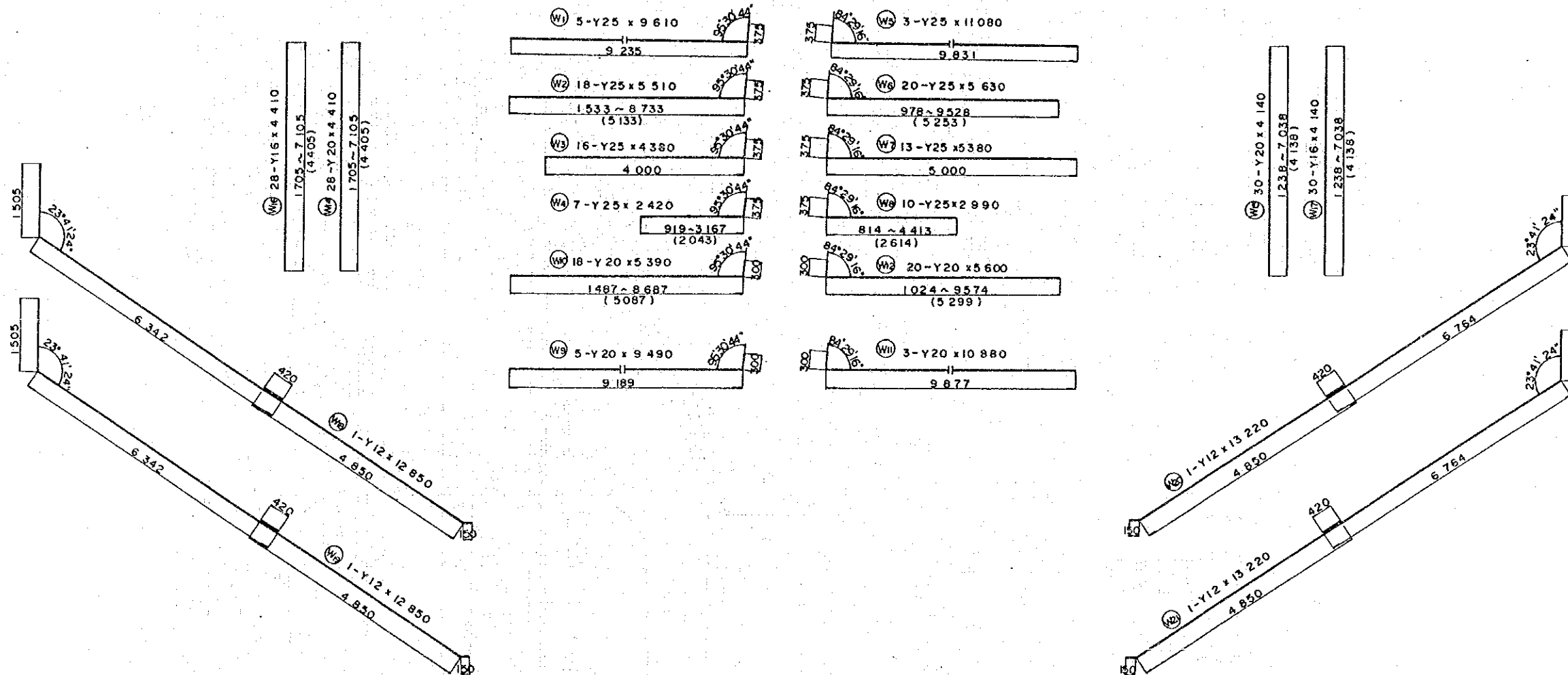
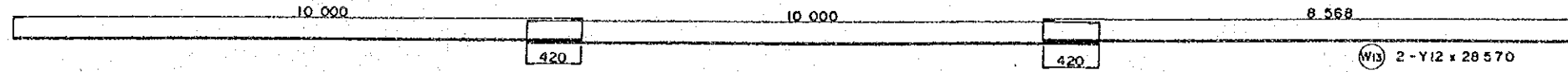
SEN SUPT. ENG. (DESIGN)
SUPT. ENGINEER (DESIGN)
PROJECT ENGINEER

SCALES
1:50

NAIROBI BYPASS
VEHICLE BOX CULVERTS
CR 23-159, 41 W-4.60 H-5.75 (8)

AERIAL PHOTO BY	SURVEYED BY
MAPPING BY	TRACED BY
LOCATION BY	CHECKED BY

M.C.P.W. ROADS DEPT DRG NO.



REVISIONS	
DESCRIPTION	DATE

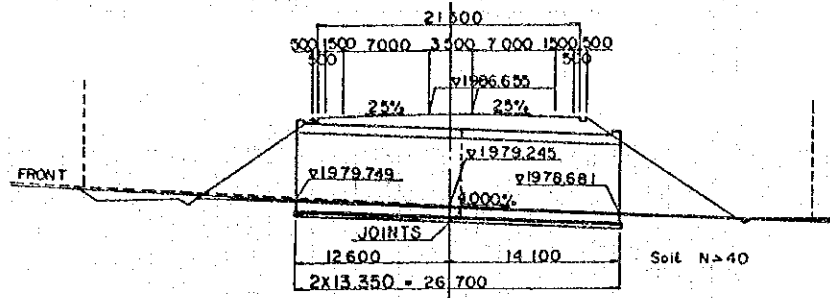
JAPAN INTERNATIONAL
COOPERATION AGENCY

CHIEF ENGINEER (ROADS)
CHIEF SUPT. ENG (DESIGN)

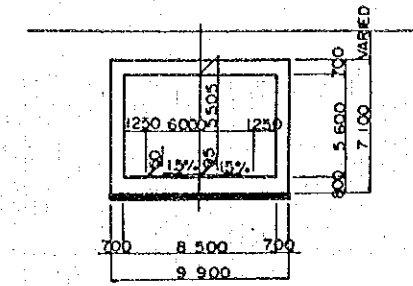
SEN SUPT. ENG (DESIGN)
SUPT. ENGINEER (DESIGN)
PROJECT ENGINEER

SCALES
1:50

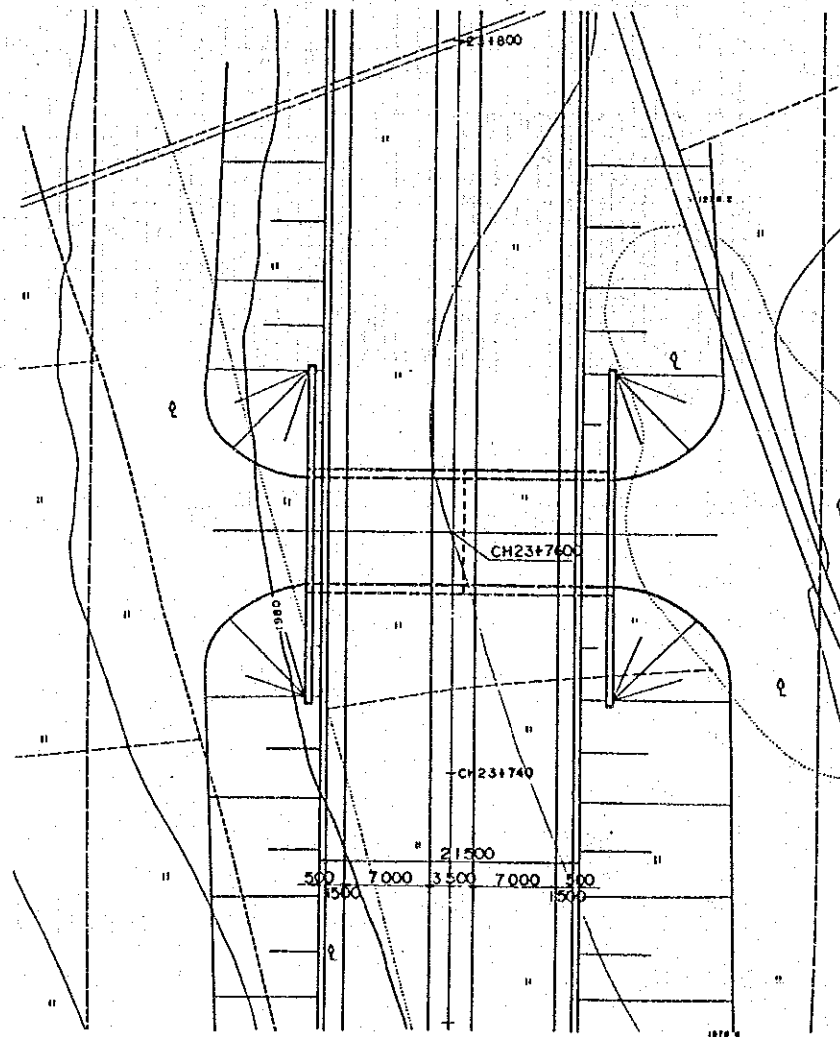
NAIROBI BYPASS
VEHICLE BOX CULVERTS
CN 23-169.01 R=6.50 H=6.75 (10)



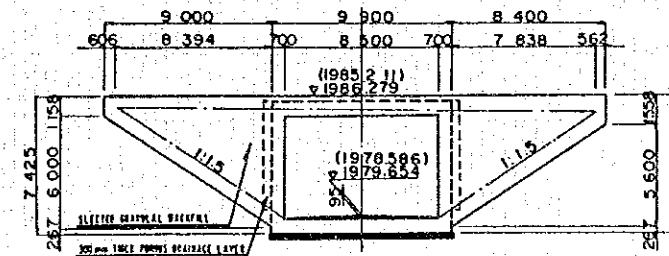
PROFILE SCALE 1:300



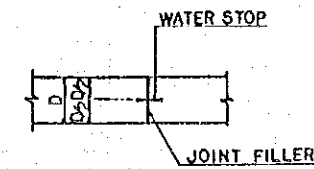
CROSS SECTION SCALE 1:200



PLAN SCALE 1:300



LEFT WING (RIGHT WING)
ELEVATION OF WINGWALL SCALE 1:200



DETAIL OF JOINTS

NO 5 BOX CULVERT FOR ROAD

AERIAL PHOTO BY	SURVEYED BY
MAPPING BY	TRACED BY
LOCATION BY	CHECKED BY

M.C.P.W. ROADS DEPT DRG NO

REVISIONS	
DESCRIPTION	DATE

JAPAN INTERNATIONAL
COOPERATION AGENCY

CHIEF ENGINEER (ROADS)
CHIEF SUPT ENG (DESIGN)

SEN SUPT. ENG (DESIGN)
SUPT ENGINEER (DESIGN)
PROJECT ENGINEER

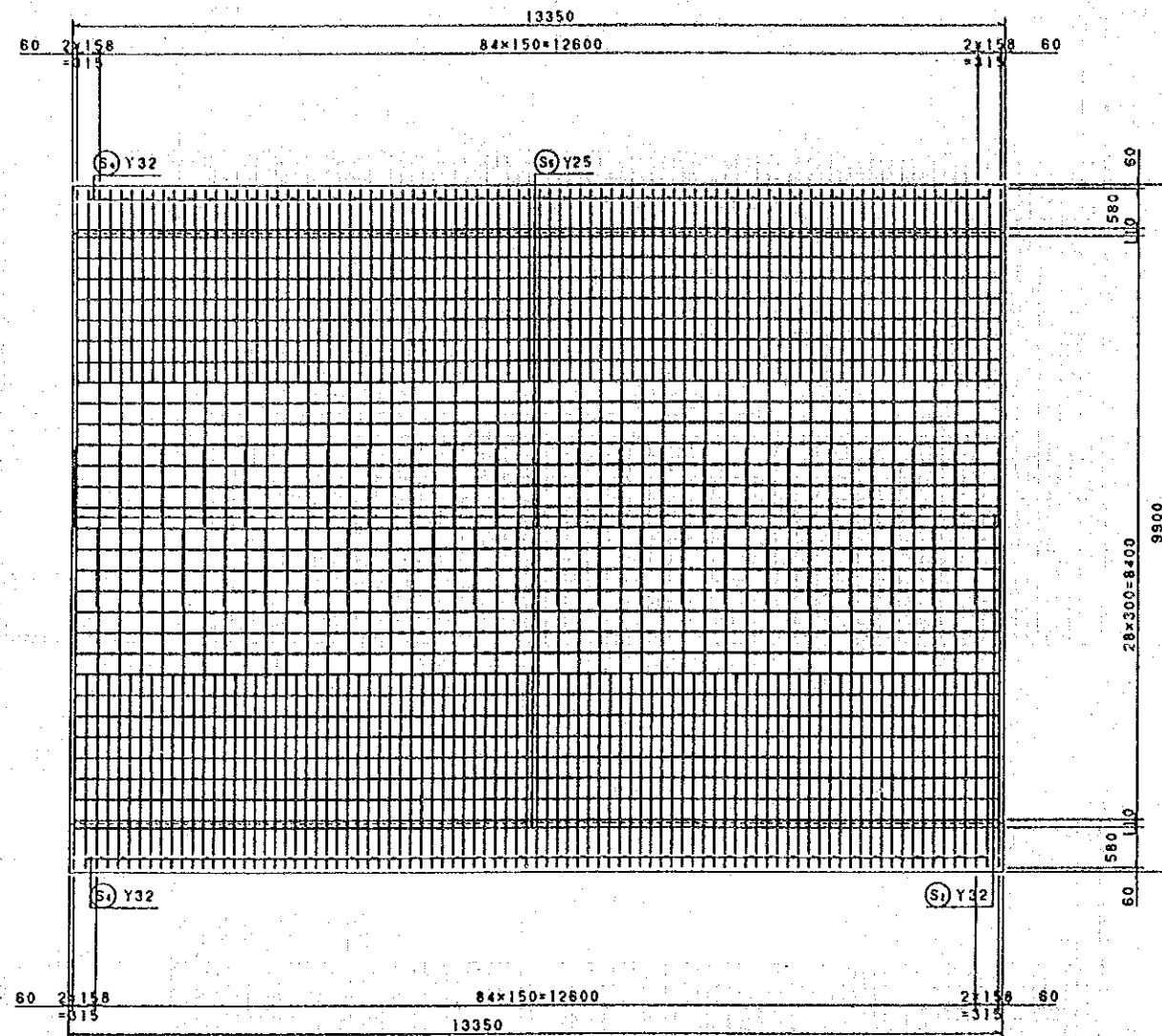
SCALES
1:200, 300

NAIROBI BYPASS
VEHICLE BOX CULVERTS
CR 23+740.00 9+1.60 9+4.60 (1)

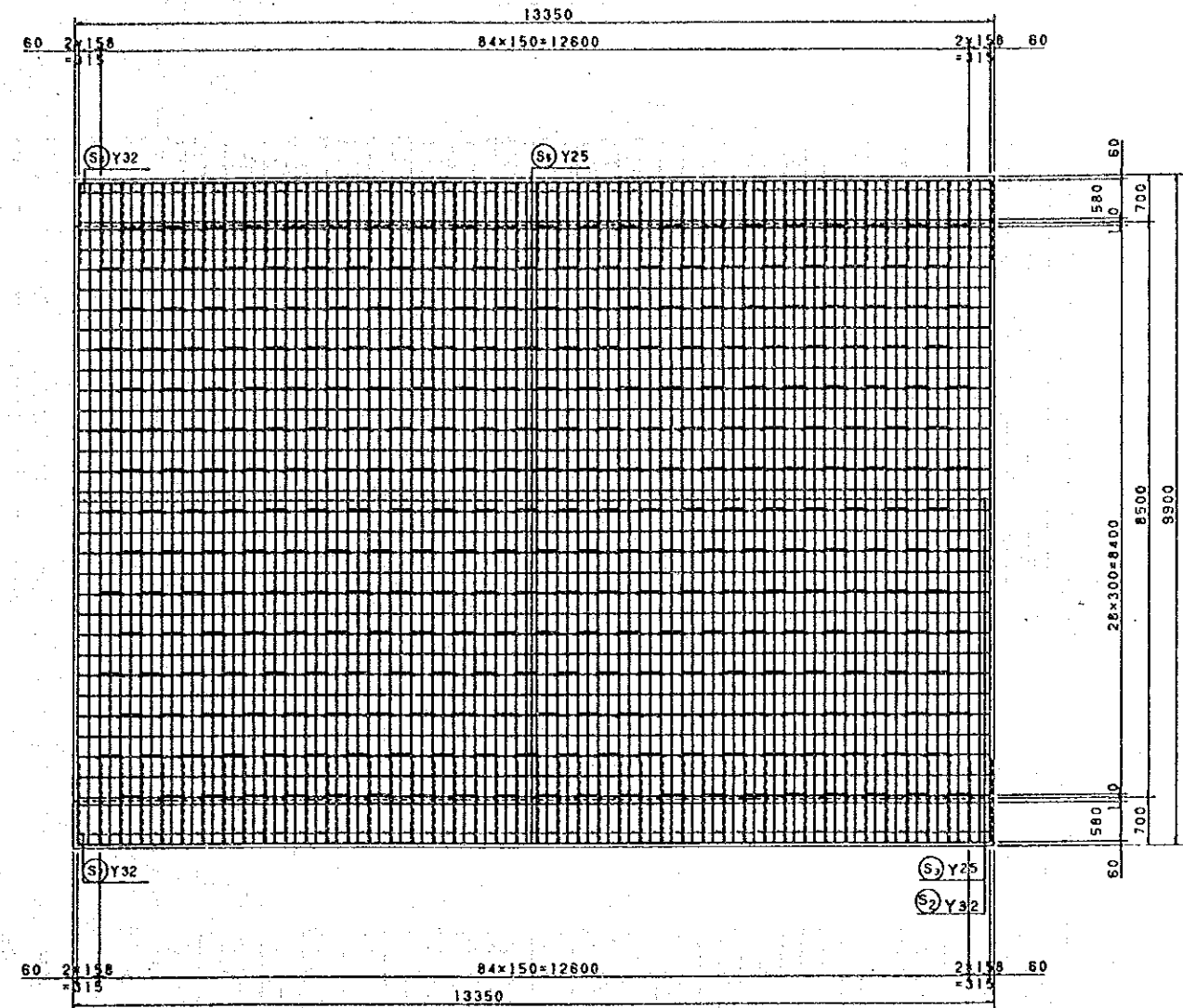
Q
SHEET 63 OF 183

AERIAL PHOTO BY	SURVEYED BY
MAPPING BY	TRACED BY
LOCATION BY	CHECKED BY

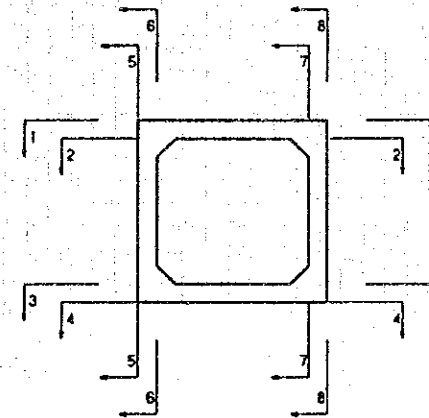
MOPW ROADS DEPT DRG NO.



1 — 1



2 — 2



REVISIONS	
DESCRIPTION	DATE

JAPAN INTERNATIONAL COOPERATION AGENCY

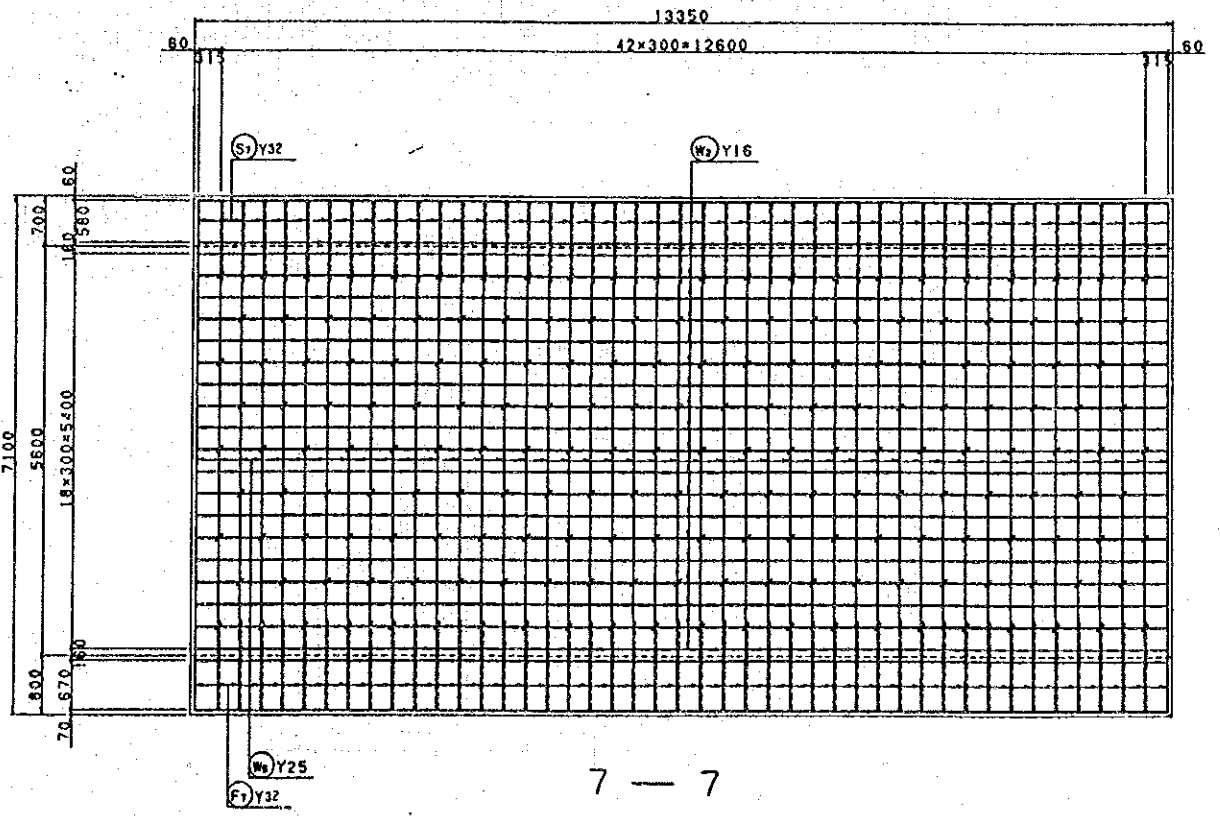
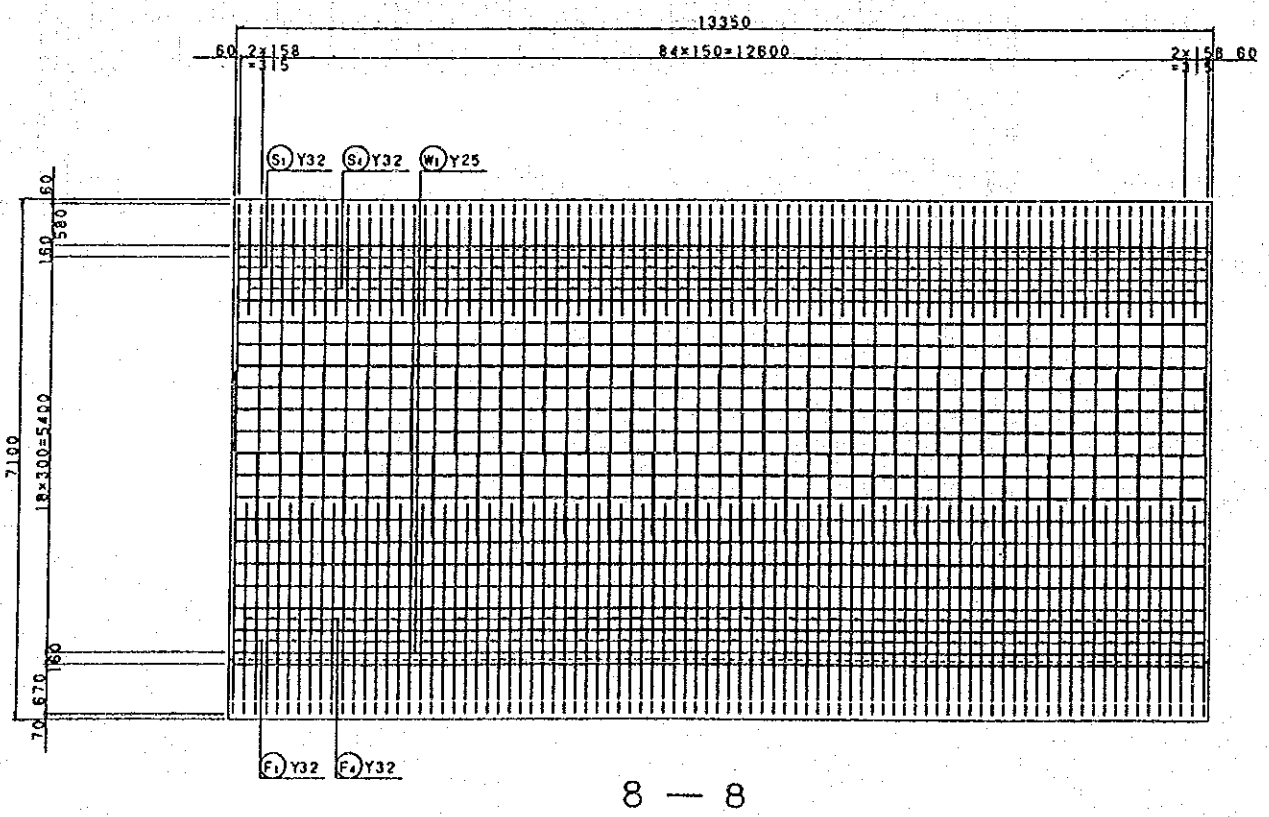
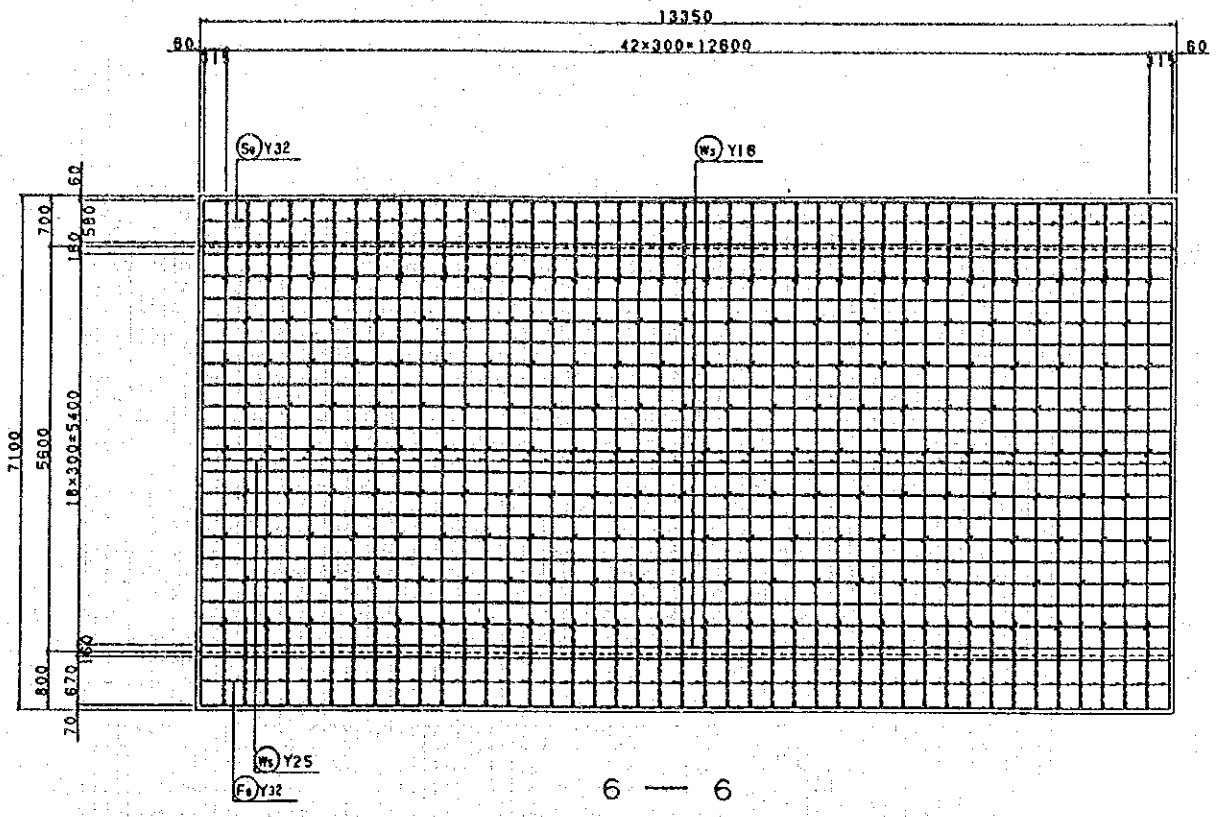
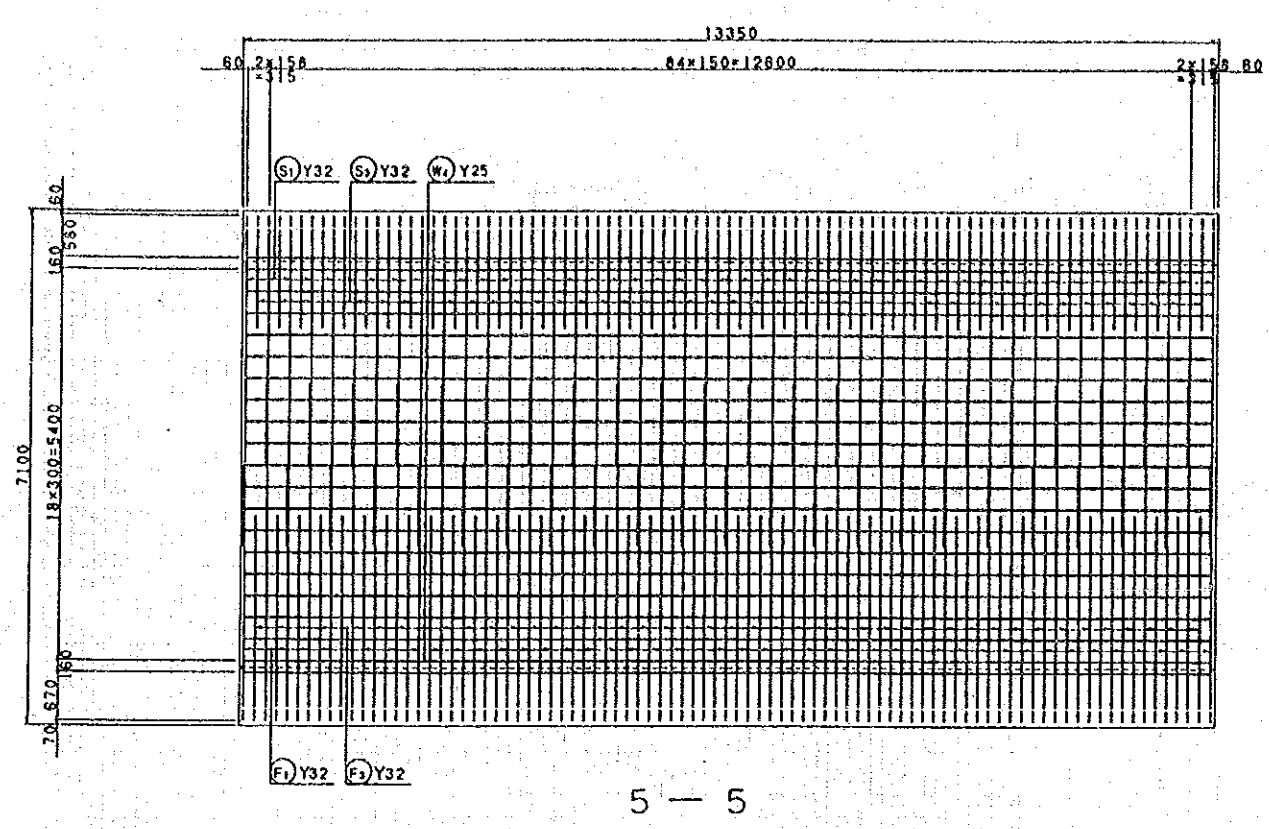
CHIEF ENGINEER (ROADS)
CHIEF SUPT ENG (DESIGN)

SEN SUPT ENG (DESIGN)
SUPT ENGINEER (DESIGN)
PROJECT ENGINEER

SCALES
1:50

NAIROBI BYPASS
VEHICLE BOX CULVERTS
CR 23+780.00 R=6.50 H=5.00 (3)

Q
SHEET 6 OF 11



AERIAL PHOTO BY	SURVEYED BY
MAPPING BY	TRACED BY
LOCATION BY	CHECKED BY

M.O.P.W. ROADS DEPT. DRG. NO.

REVISIONS	
DESCRIPTION	DATE

JAPAN INTERNATIONAL COOPERATION AGENCY	CHIEF ENGINEER (ROADS)
	CHIEF SUPT. ENG. (DESIGN)

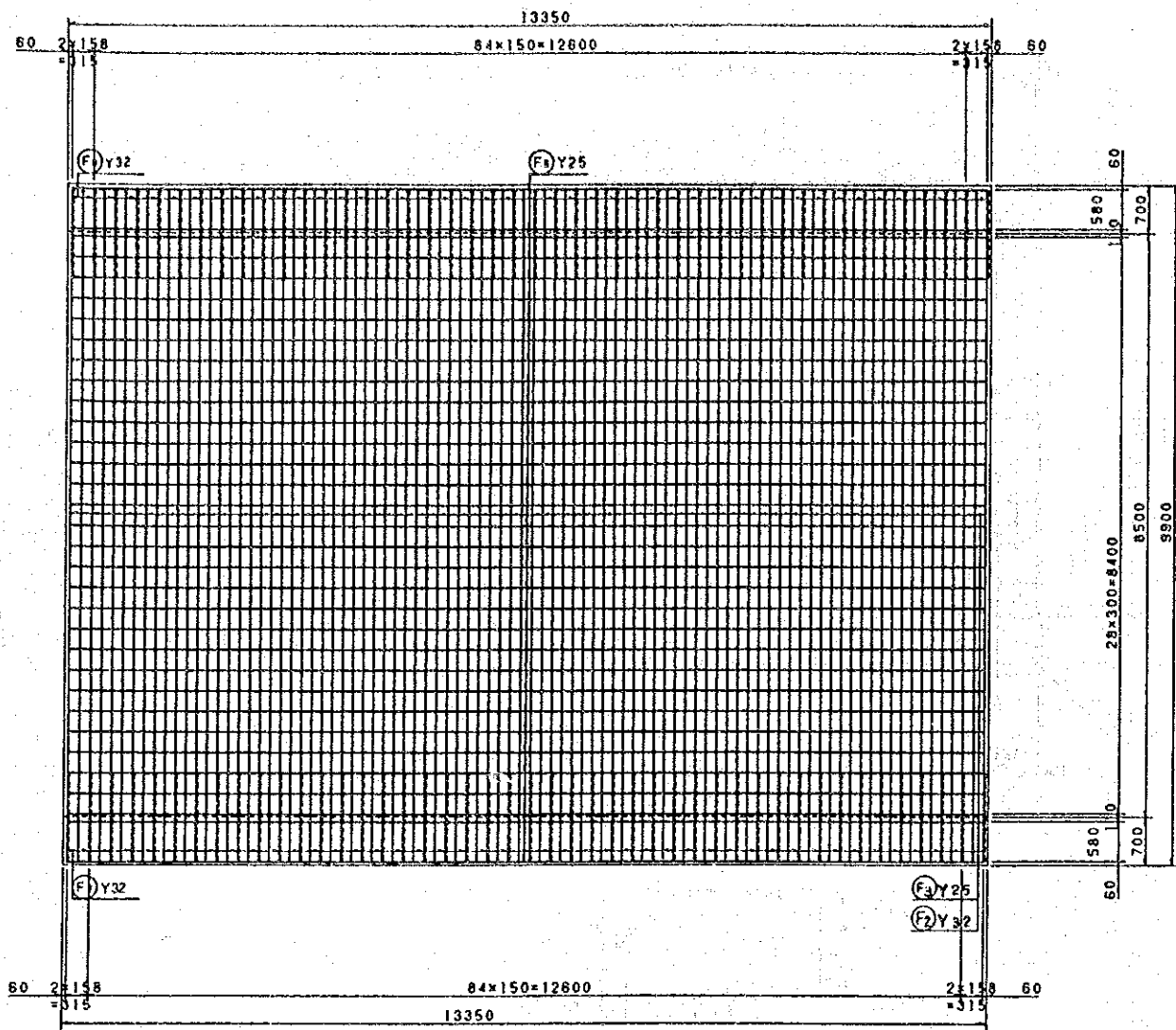
SEN SUPT. ENG. (DESIGN)	
SUPT. ENGINEER (DESIGN)	
PROJECT ENGINEER	

SCALES
1:50

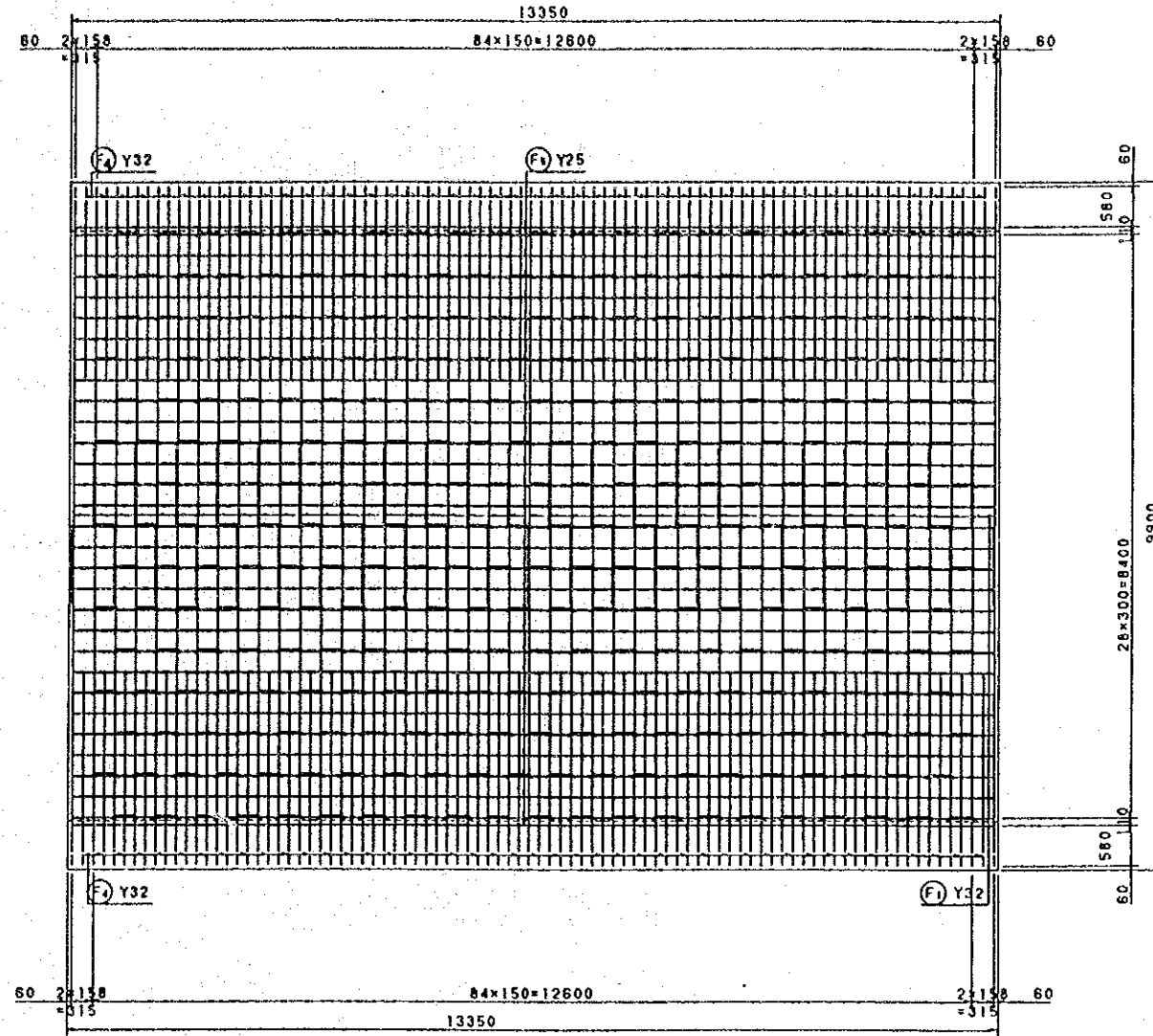
NAIROBI BYPASS
VEHICLE BOX CULVERTS
CN 23+180.00 V=2.50 R=6.60 (3)

AERIAL PHOTO BY	SURVEYED BY
MAPPING BY	TRACED BY
LOCATION BY	CHECKED BY

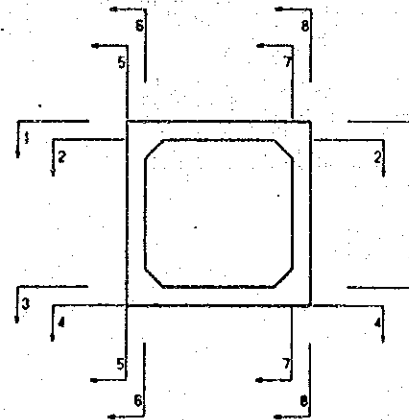
MOPW ROADS DEPT DRG NO.



3 - 3



4 - 4



REVISIONS	
DESCRIPTION	DATE

JAPAN INTERNATIONAL COOPERATION AGENCY

CHIEF ENGINEER (ROADS)
CHIEF SUPT ENG (DESIGN)

SEN SUPT ENG (DESIGN)
SUPT ENGINEER (DESIGN)
PROJECT ENGINEER

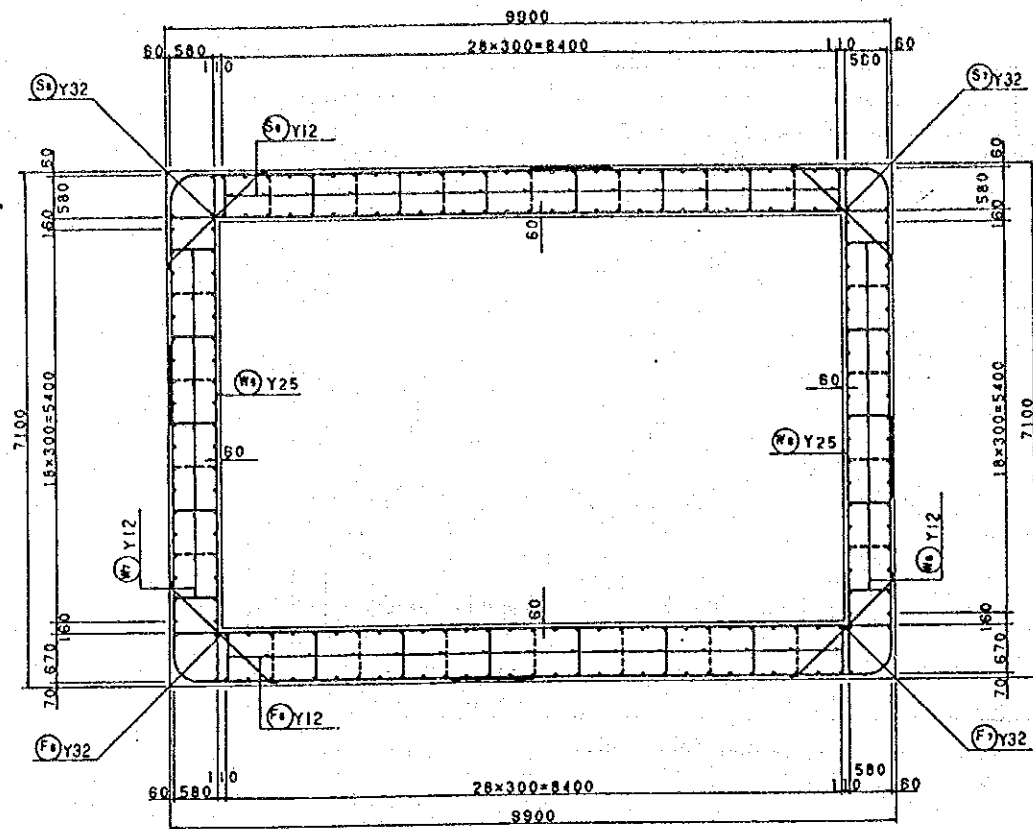
SCALES
1:50

NAIROBI BYPASS
VEHICLE BOX CULVERTS
(N 23x280, 60 8x3.60 8x5.60 (4))

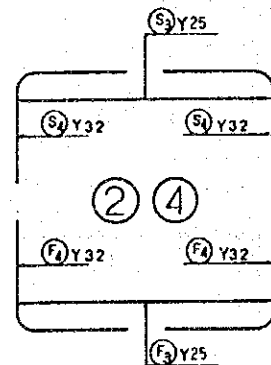
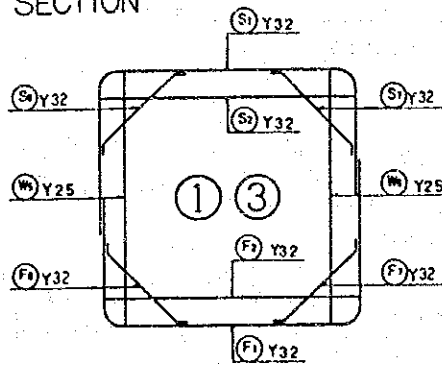
Q
SHEET 6 OF 18

AERIAL PHOTO BY _____ SURVEYED BY _____
 MAPPING BY _____ TRACED BY _____
 LOCATION BY _____ CHECKED BY _____

M.O.P.W. ROADS DEPT. DRG. NO.



SECTION



MARK	DIA	a	b	L	REMARK
S 8	Y12	345	825	1785	
F 8	Y12	345	715	1875	
W 7	Y12	—	822	822	
W 8	Y12	—	822	822	

MARK	DIA	a	H	L	NUMBER
S 8	Y32	1690	1195	1890	45
S 7	Y32	1690	1195	1890	45
F 6	Y32	1817	1285	2017	45
F 7	Y32	1817	1285	2017	45

MARK	DIA	a	b	c	L = a + b	LAP-PL	NUMBER
S 5	Y25	10000	4105	875	14105	1	64
F 5	Y25	10000	4105	875	14105	1	64
W 1	Y25	10000	3780	875	14105	1	19
W 2	Y18	10000	3780	560	13790	1	19
W 3	Y18	10000	3780	560	13790	1	19
W 4	Y25	10000	3780	875	14105	1	19

REVISIONS	
DESCRIPTION	DATE

JAPAN INTERNATIONAL
COOPERATION AGENCY

CHIEF ENGINEER (ROADS)
CHIEF SUPT ENG (DESIGN)

SEN SUPT ENG (DESIGN)
SUPT ENGINEER (DESIGN)
PROJECT ENGINEER

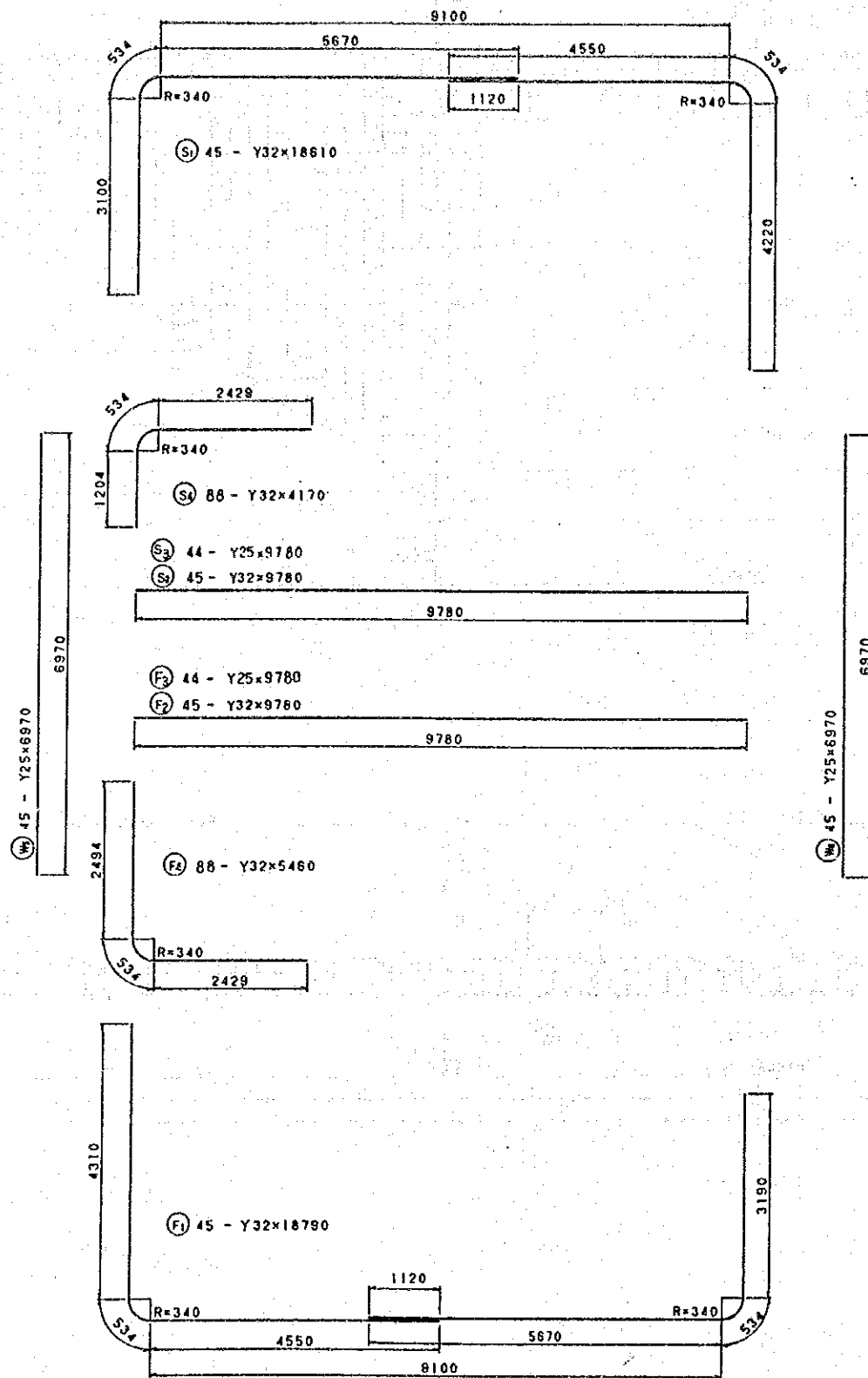
SCALES
1:50

NAIROBI BYPASS
VEHICLE BOX CULVERTS
CW 23*180.00 W*1.50 H*5.00 (S)

Q
SHEET 07 OF 183

AERIAL PHOTO BY	SURVEYED BY
MAPPING BY	TRACED BY
LOCATION BY	CHECKED BY

M.O.P.W. ROADS DEPT DRG NO.



REVISIONS	
DESCRIPTION	DATE

JAPAN INTERNATIONAL
COOPERATION AGENCY

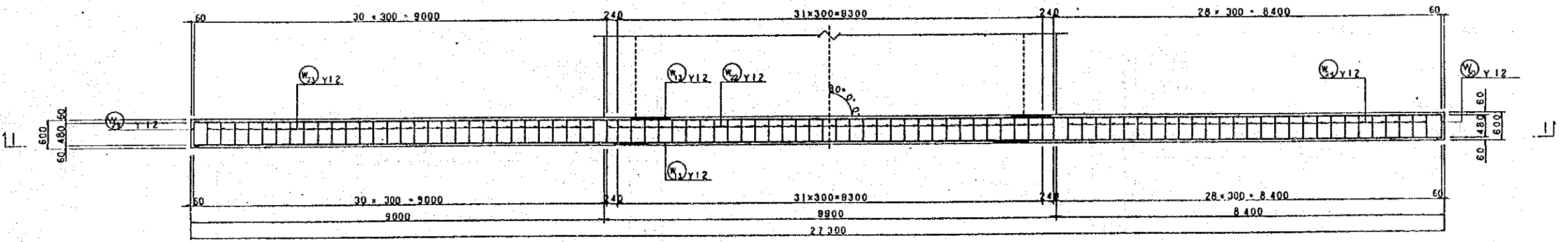
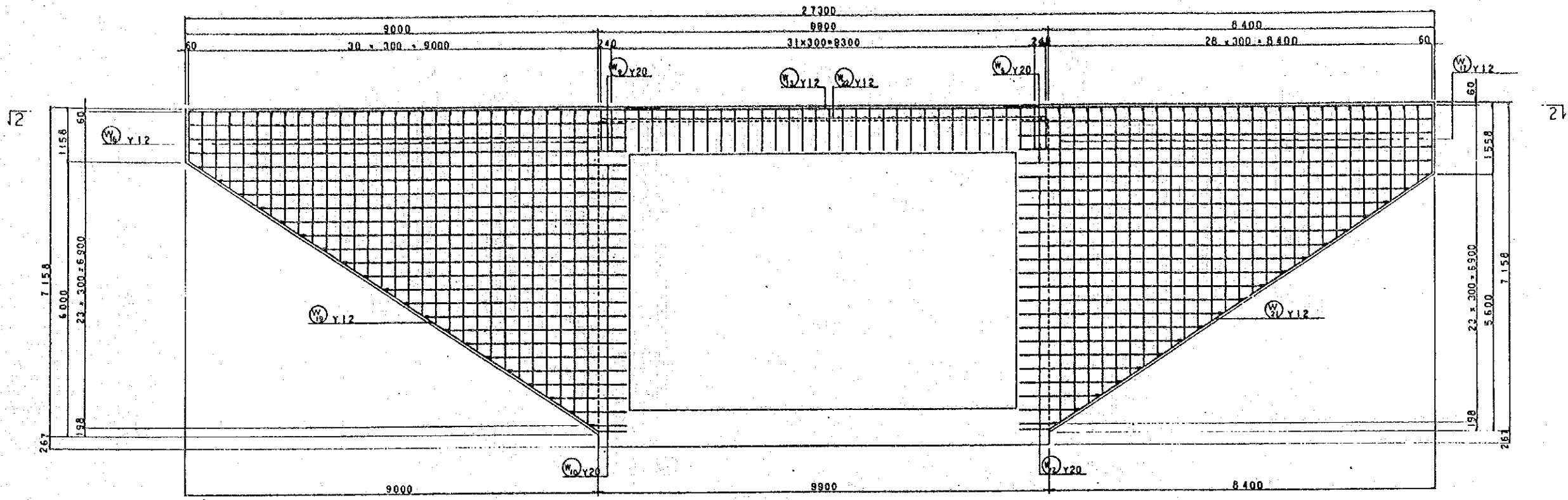
CHIEF ENGINEER (ROADS)
CHIEF SUPT ENG (DESIGN)

SEN SUPT. ENG (DESIGN)
SUPT ENGINEER (DESIGN)
PROJECT ENGINEER

SCALES
1:50

NAIROBI BYPASS
VEHICLE BOX CULVERTS
CN 23x780.00 W=1.50 H=5.00 (S)

Q
SHEET 6 OF 183



1-1

2-2

AERIAL PHOTO BY
MAPPING BY
LOCATION BY

SURVEYED BY
TRACED BY
CHECKED BY

MOPW ROADS DEPT DRG NO.

REVISIONS	
DESCRIPTION	DATE

JAPAN INTERNATIONAL
COOPERATION AGENCY

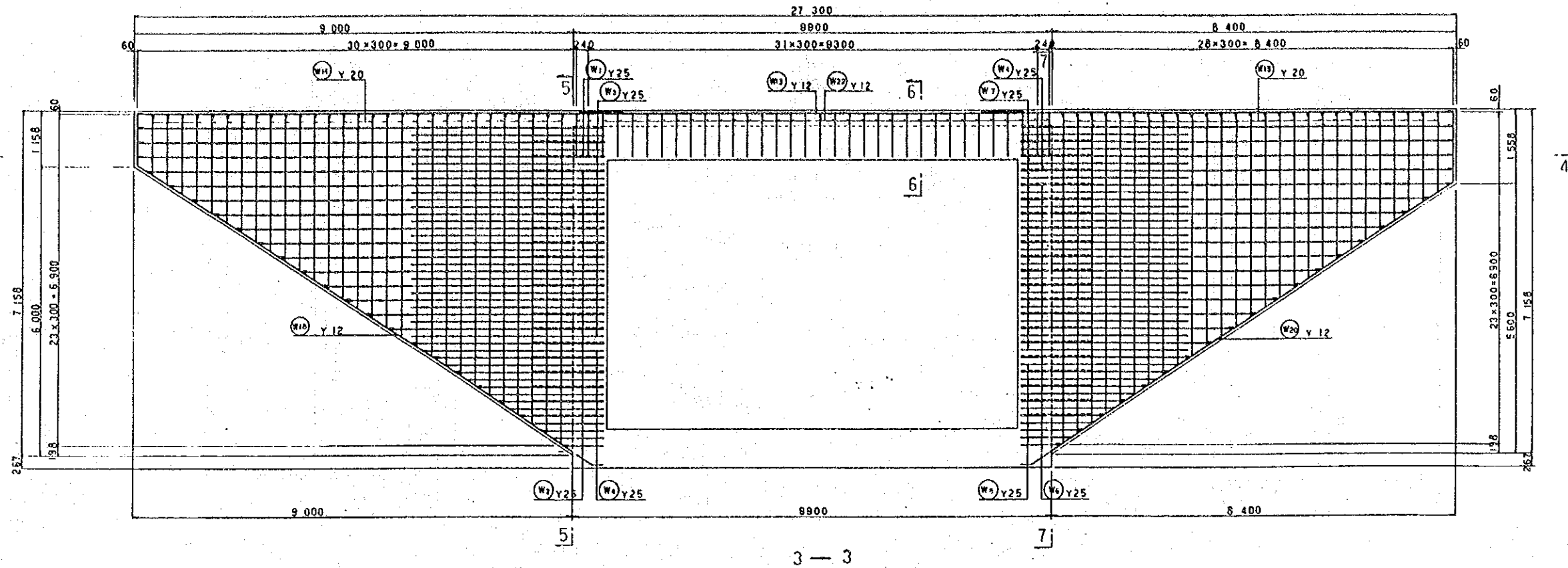
CHIEF ENGINEER (ROADS)
CHIEF SUPT ENG (DESIGN)

SEN SUPT ENG (DESIGN)
SUPT ENGINEER (DESIGN)
PROJECT ENGINEER

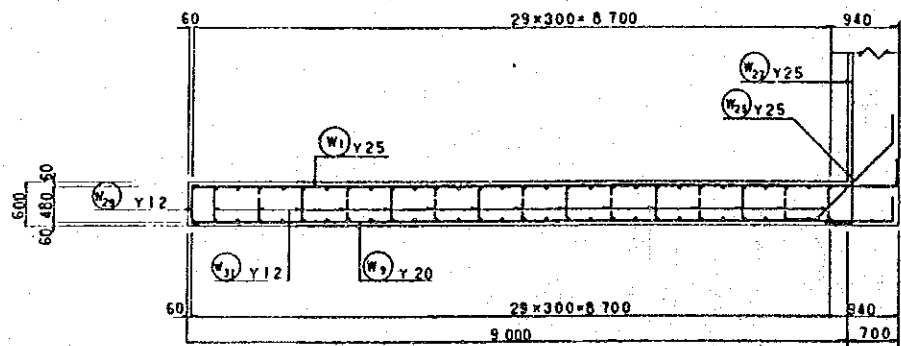
SCALES
1:50

NAIROBI BYPASS
VEHICLE BOX CULVERTS
CB 23-180.00 W-2.50 H-1.60 (1)

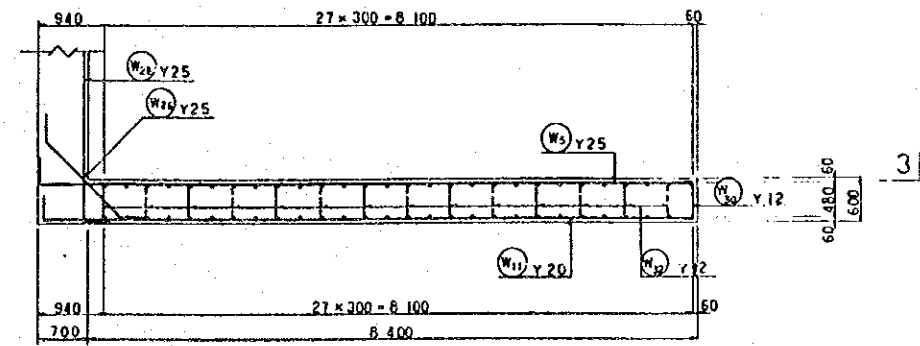
Q
SHEET 69 OF 183



3 - 3



4 - 4



AERIAL PHOTO BY	SURVEYED BY
MAPPING BY	TRACED BY
LOCATION BY	CHECKED BY

MOPW ROADS DEPT DRG NO.

REVISIONS	
DESCRIPTION	DATE

JAPAN INTERNATIONAL COOPERATION AGENCY

CHIEF ENGINEER (ROADS)
CHIEF SUPT ENG (DESIGN)

SEN SUPT ENG (DESIGN)
SUPT ENGINEER (DESIGN)
PROJECT ENGINEER

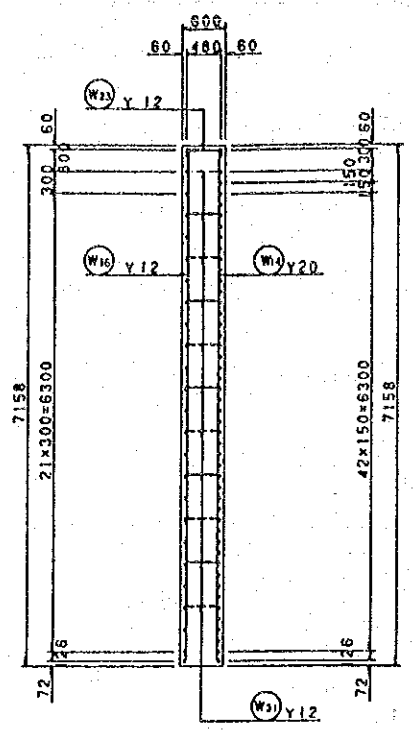
SCALES
1:50

NAIROBI BYPASS
VEHICLE BOX CULVERTS
CN 23*740.00 R=8.50 W=5.50 (4)

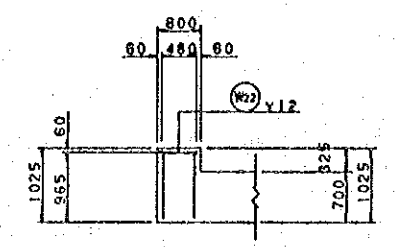
Q
SHEET 70 OF 183

AERIAL PHOTO BY	SURVEYED BY
MAPPING BY	TRACED BY
LOCATION BY	CHECKED BY

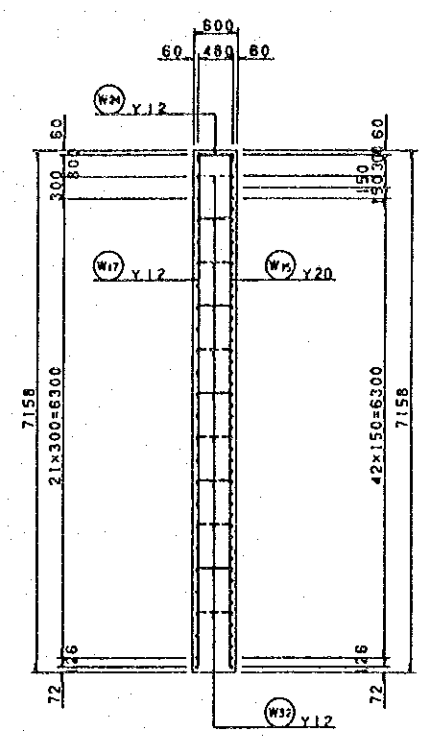
MCPW ROADS DEPT DRG NO.



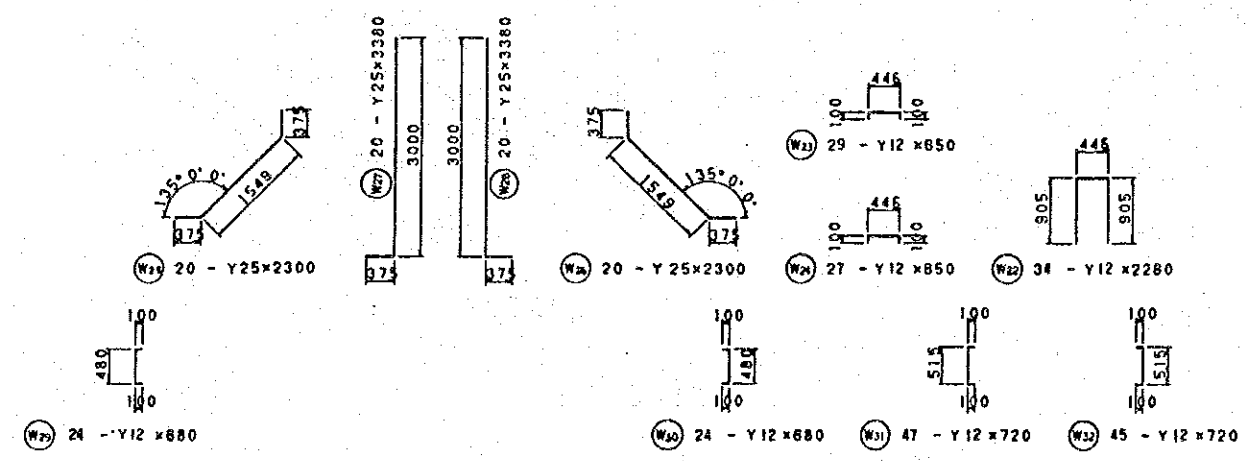
5-5



6-6



7-7



REVISIONS	
DESCRIPTION	DATE

JAPAN INTERNATIONAL COOPERATION AGENCY

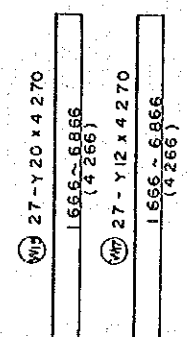
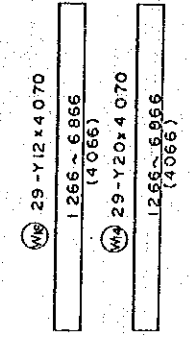
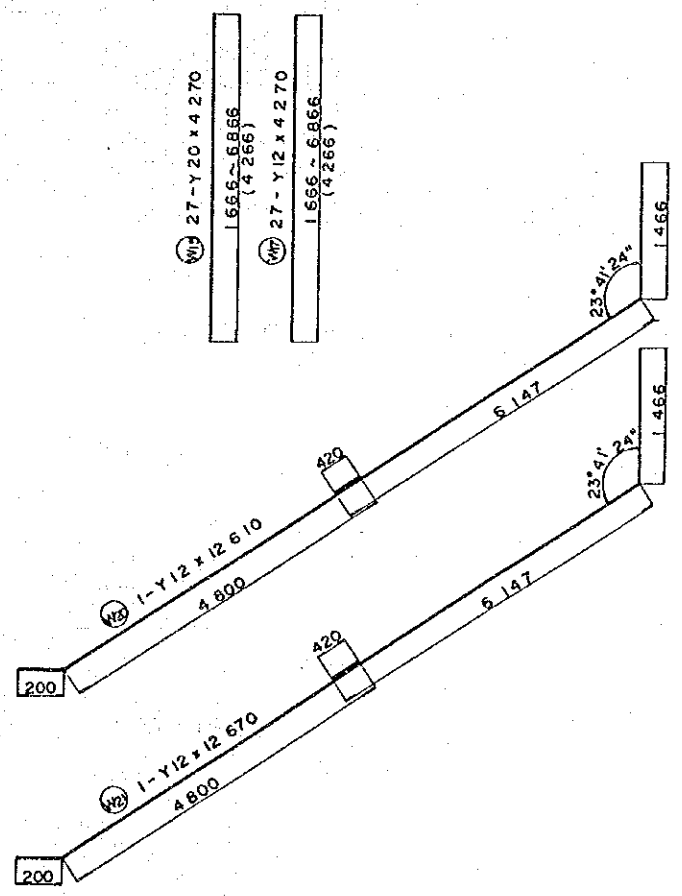
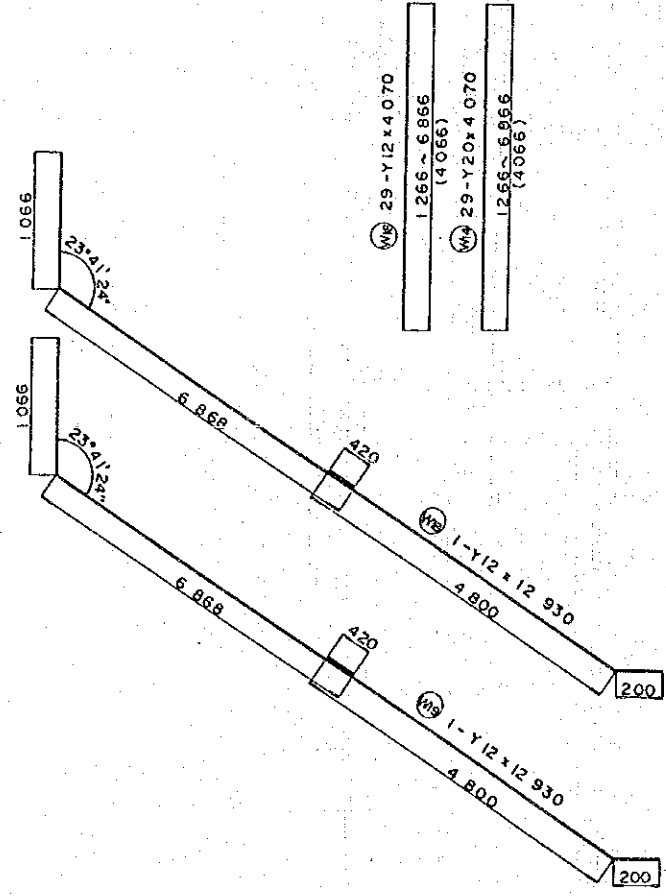
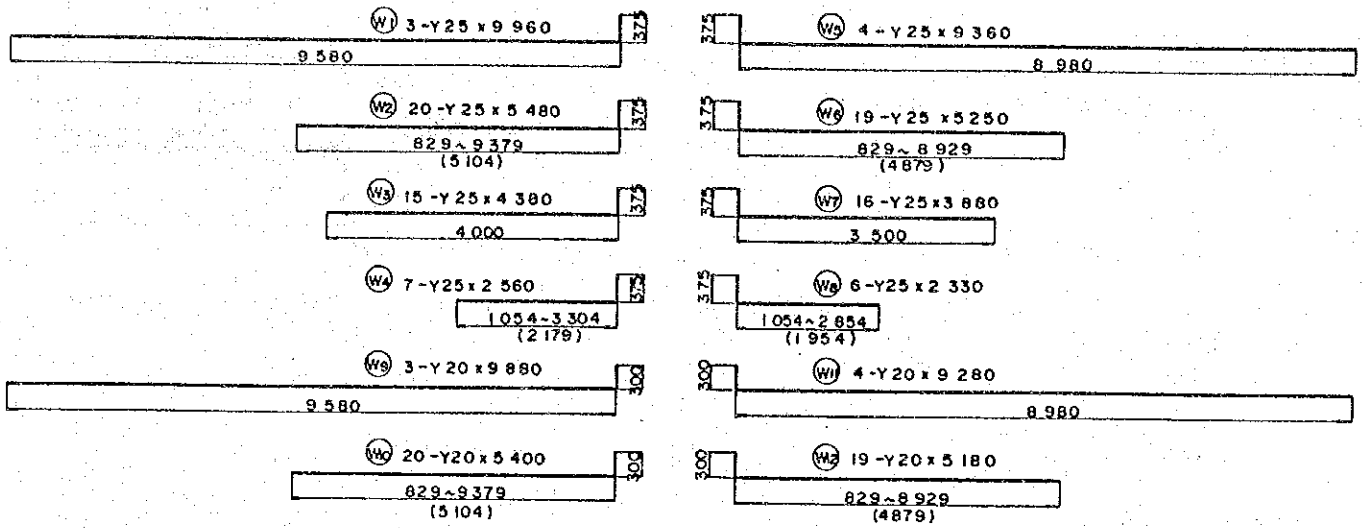
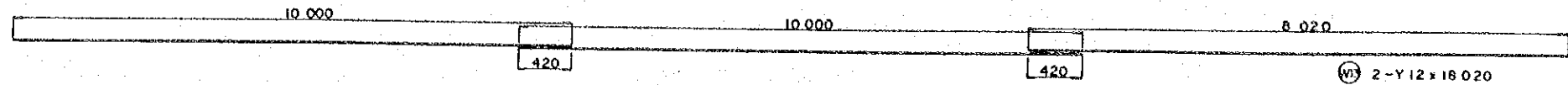
CHIEF ENGINEER (ROADS)
CHIEF SUPT ENG (DESIGN)

SEN SUPT ENG (DESIGN)
SUPT ENGINEER (DESIGN)
PROJECT ENGINEER

SCALES
1:50

NAIROBI BYPASS
VEHICLE BOX CULVERTS
CR 23+760.00 R+1.60 R+1.60 (R)

Q
SHEET 71 OF 183



AERIAL PHOTO BY	SURVEYED BY
MAPPING BY	TRACED BY
LOCATION BY	CHECKED BY

MOPW ROADS DEPT. DRG NO.

REVISIONS	
DESCRIPTION	DATE

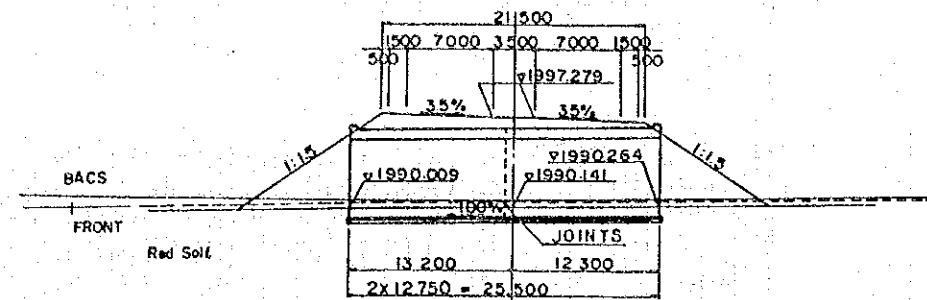
JAPAN INTERNATIONAL COOPERATION AGENCY

CHIEF ENGINEER (ROADS)
CHIEF SUPT ENG (DESIGN)

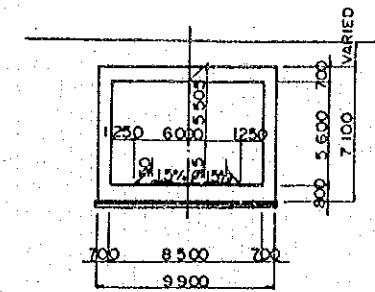
SEN SUPT. ENG (DESIGN)
SUPT ENGINEER (DESIGN)
PROJECT ENGINEER

SCALES
1:50

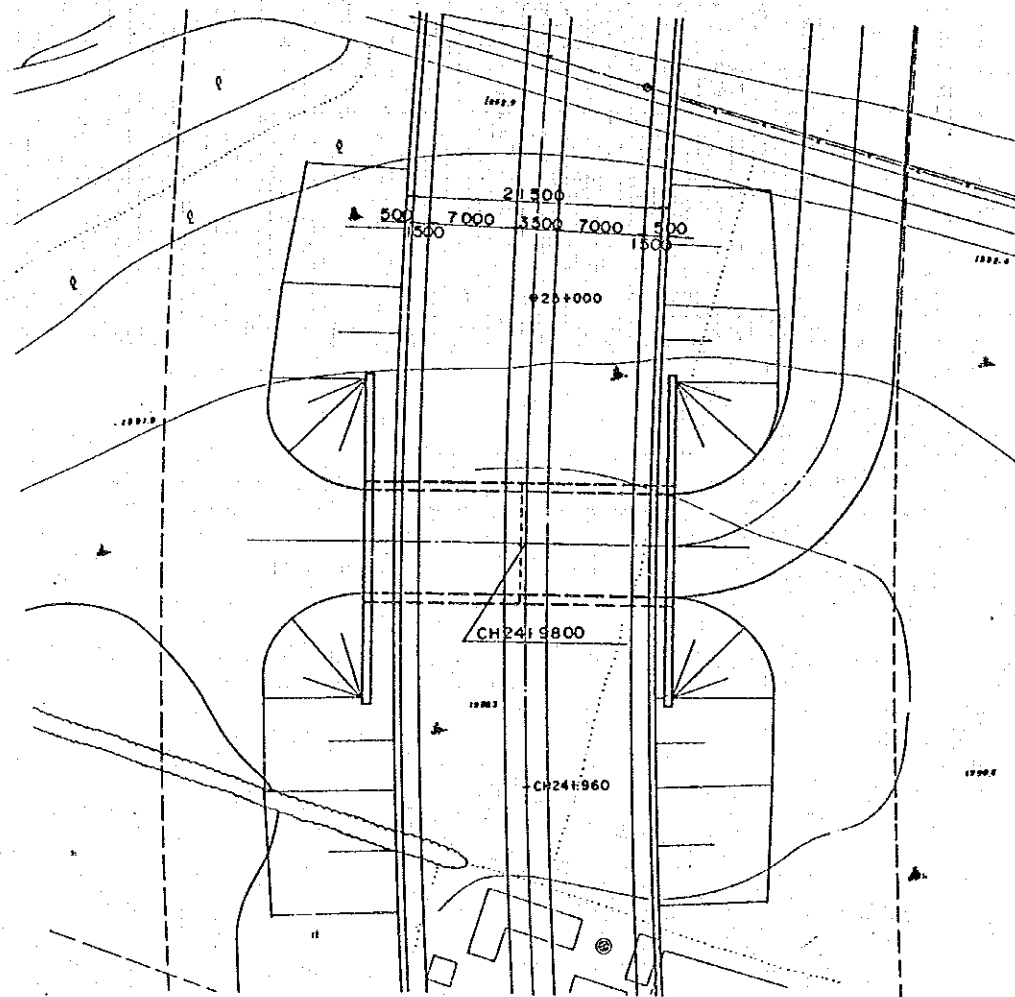
NAIROBI BYPASS
VEHICLE BOX CULVERTS
CN 23-760.00 W=1.50 S=5.80 (10)



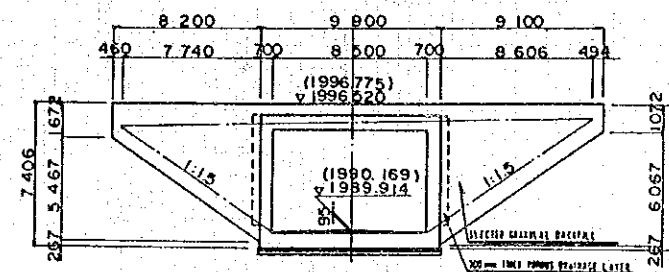
PROFILE SCALE 1:300



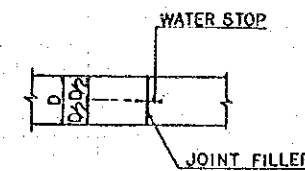
CROSS SECTION SCALE 1:200



PLAN SCALE 1:300



LEFT WING (RIGHT WING)
ELEVATION OF WINGWALL SCALE 1:200



DETAIL OF JOINTS

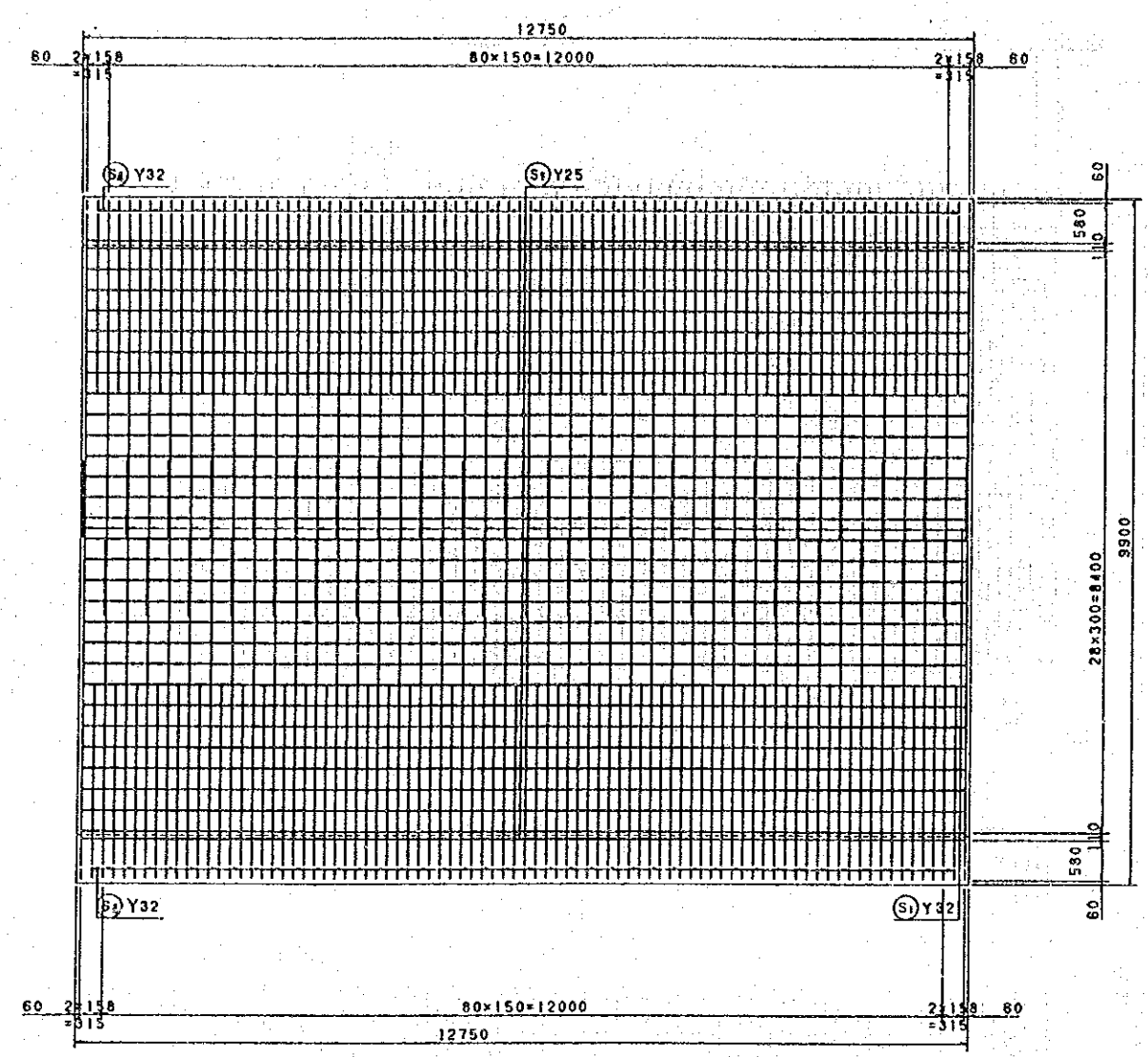
NO⑥ BOX CULVERT FOR ROAD

AERIAL PHOTO BY	SURVEYED BY
MAPPING BY	TRACED BY
LOCATION BY	CHECKED BY

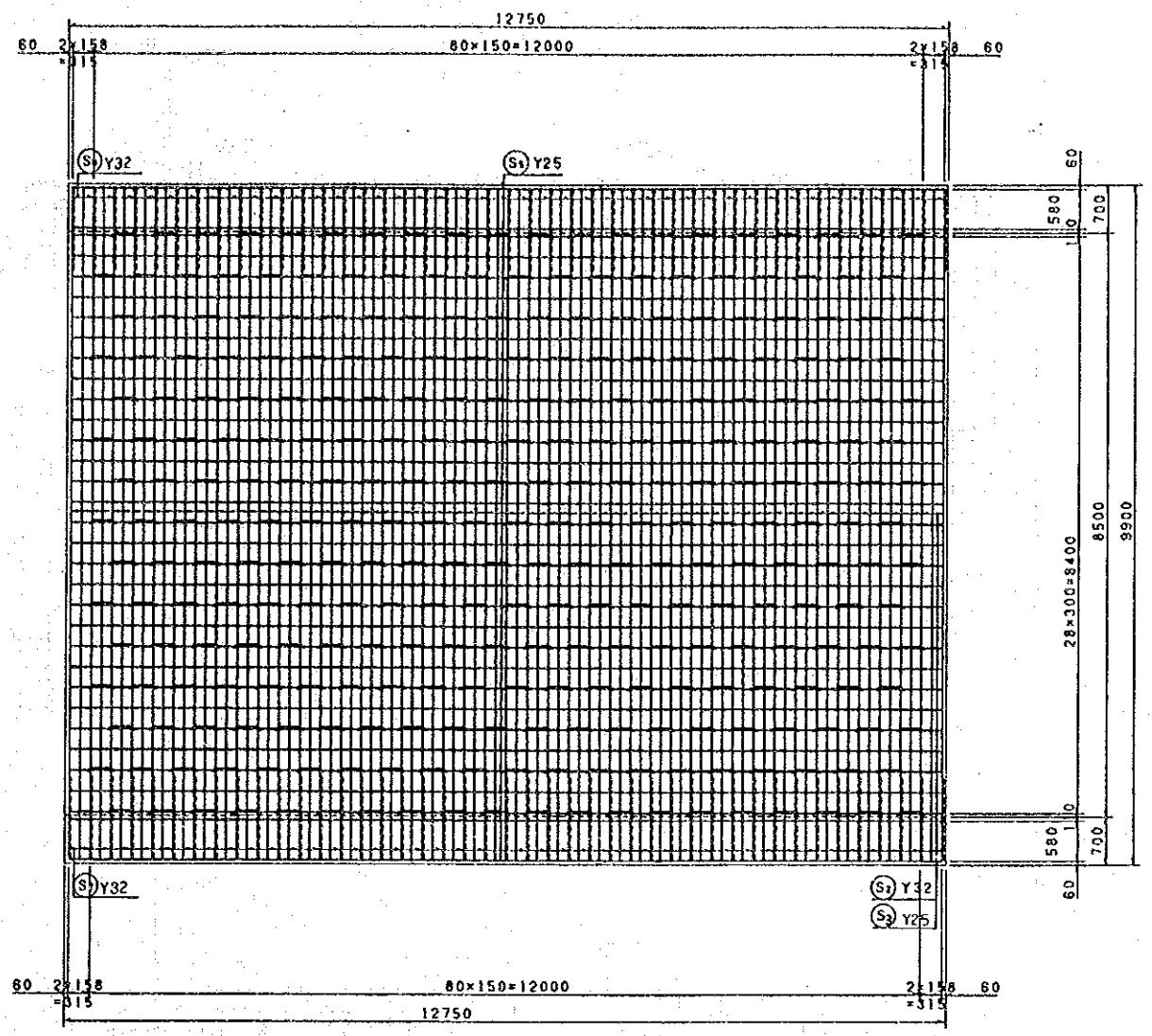
M.O.P. W. ROADS DEPT. DRG. NO.

REVISIONS		JAPAN INTERNATIONAL COOPERATION AGENCY	CHIEF ENGINEER (ROADS)	SEN SUPT. ENG. (DESIGN)	SCALES	NAIROBI BYPASS	Q
DESCRIPTION	DATE						
			CHIEF SUPT. ENG. (DESIGN)	SUPT. ENGINEER (DESIGN)	1:200, 300	VEHICLE BOX CULVERTS CH 24+980.00 D=2.60 B=5.80 (1)	SHEET 3 OF 14

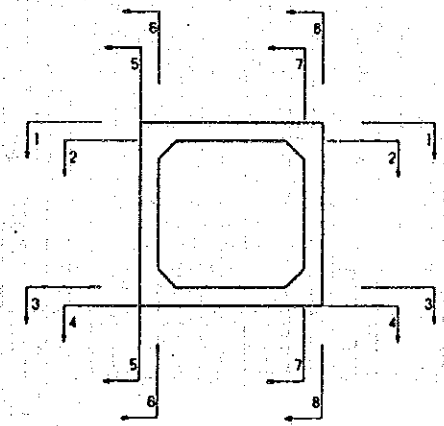
SURVEYED BY
 TRACED BY
 CHECKED BY
 AERIAL PHOTO BY
 MAPPING BY
 LOCATION BY



1 — 1



2 — 2



M.C.P.W. ROADS DEPT DRG NO.

REVISIONS	
DESCRIPTION	DATE

JAPAN INTERNATIONAL
COOPERATION AGENCY

CHIEF ENGINEER (ROADS)
CHIEF SUPT ENG (DESIGN)

SEN SUPT ENG (DESIGN)
SUPT ENGINEER (DESIGN)
PROJECT ENGINEER

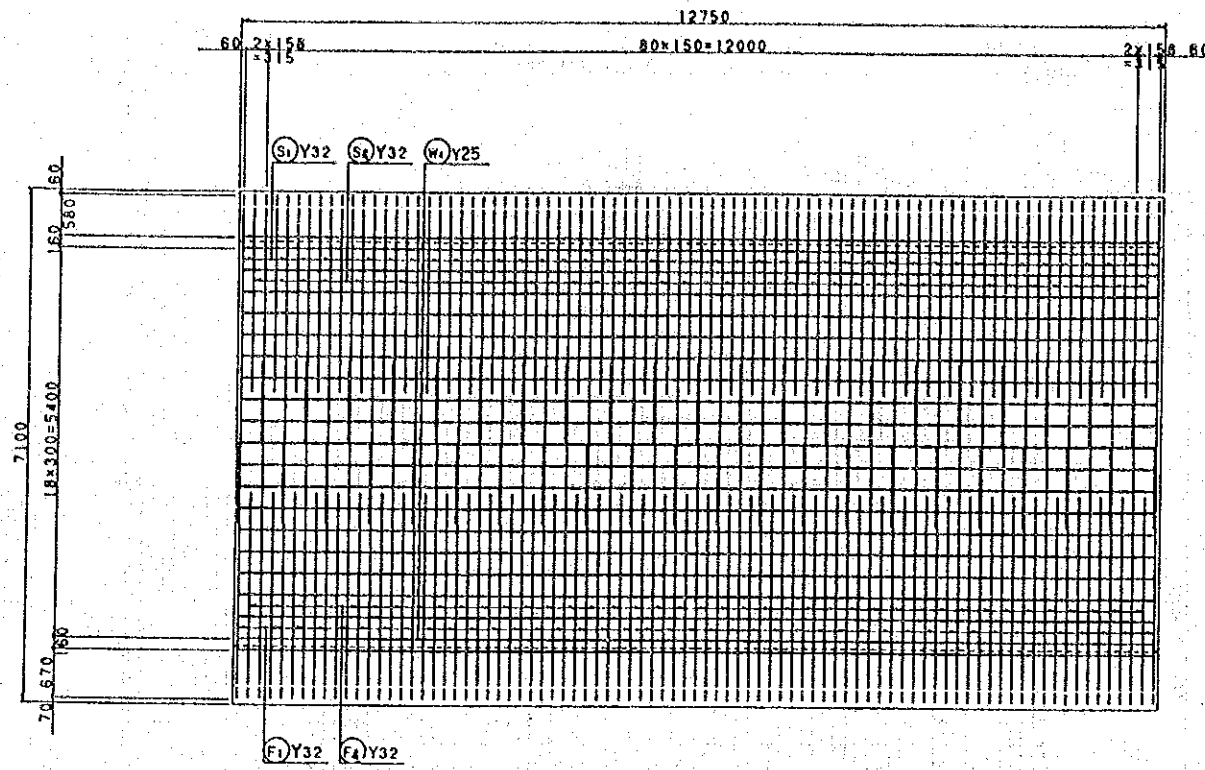
SCALES
1:50

NAIROBI BYPASS
VEHICLE BOX CULVERTS
CN 24-910.00 V-4.50 E-5.60 (1)

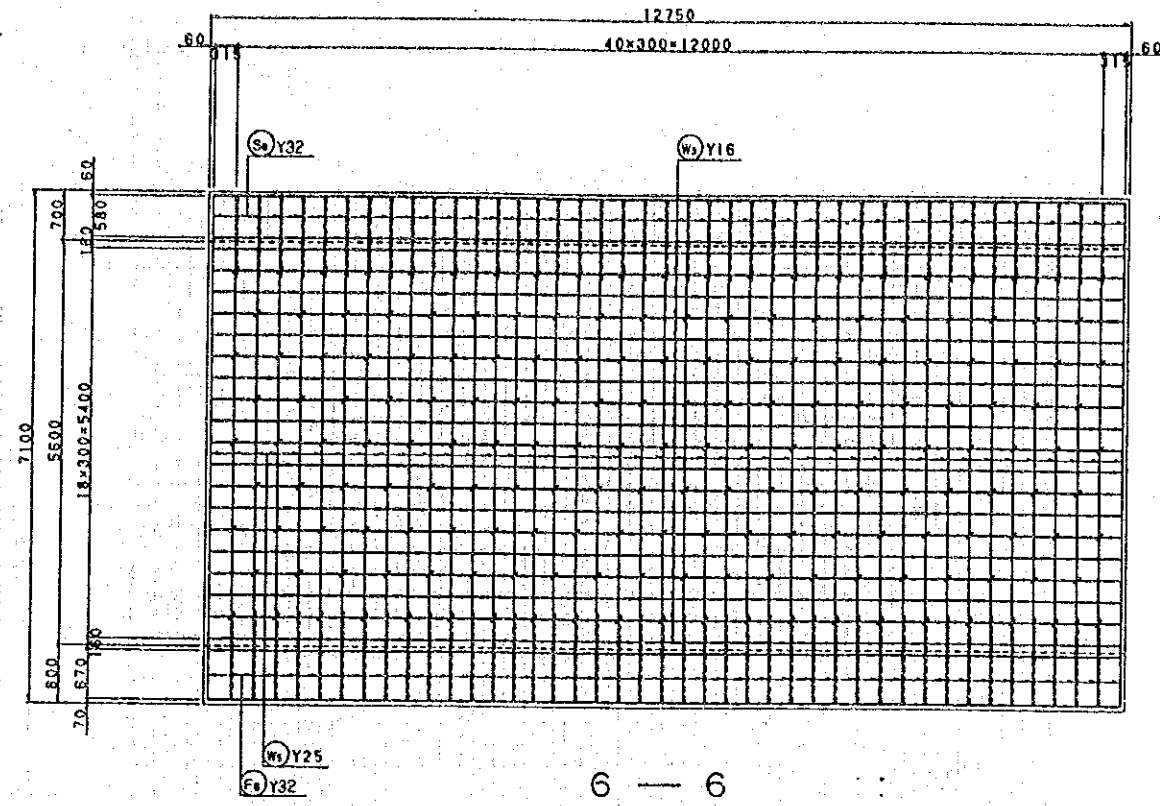
Q
SHEET 74 OF 183

AERIAL PHOTO BY	SURVEYED BY
MAPPING BY	TRACED BY
LOCATION BY	CHECKED BY

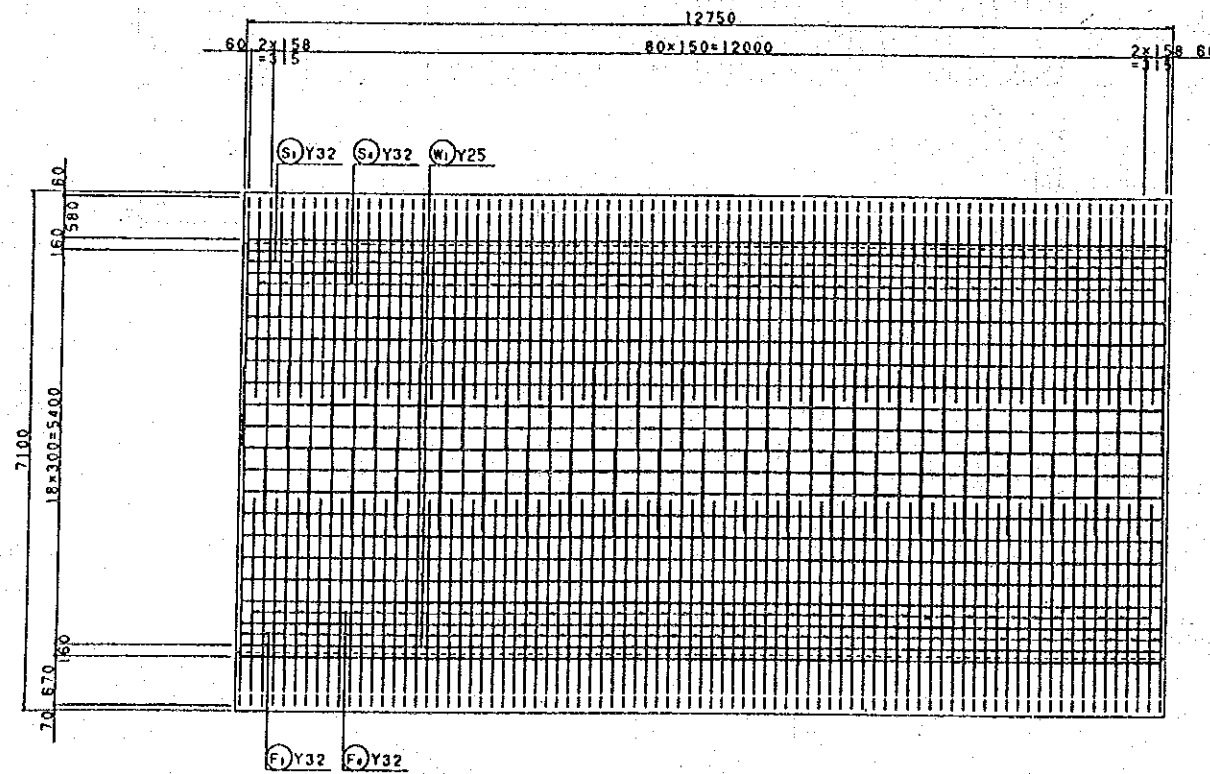
MOPW ROADS DEPT DRG NO.



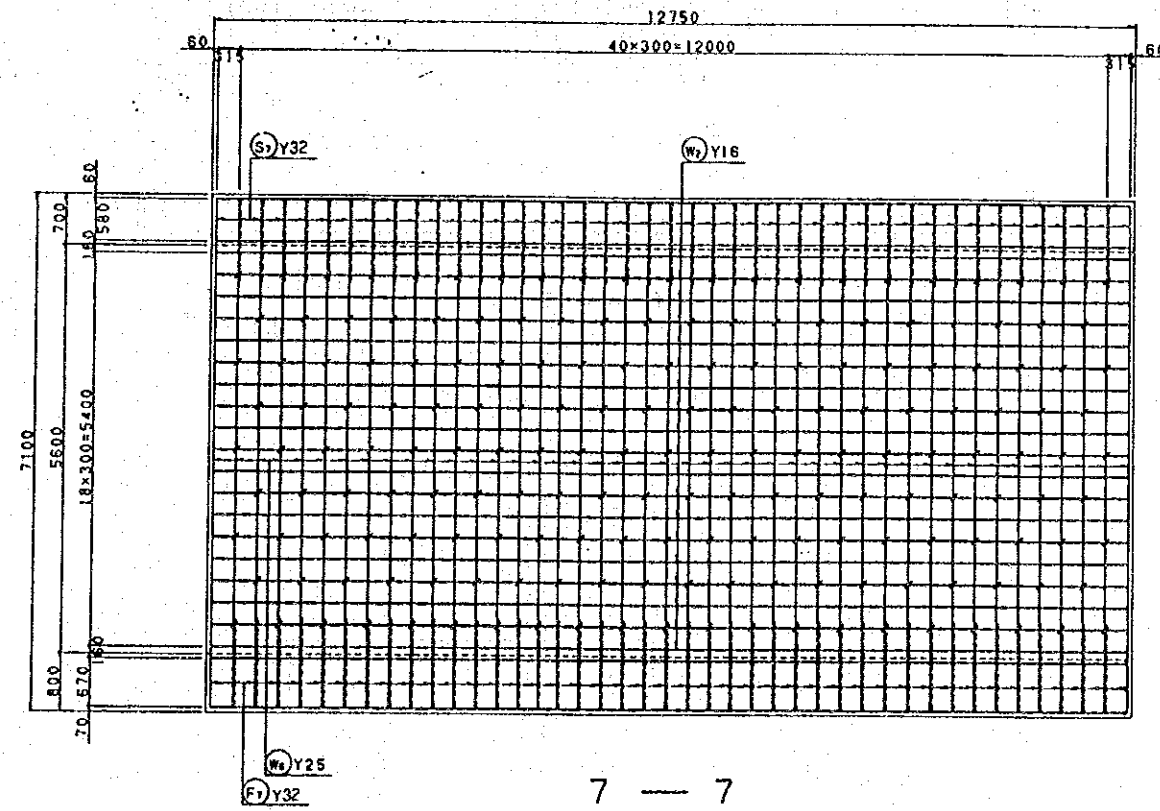
5 — 5



6 — 6



8 — 8



7 — 7

REVISIONS	
DESCRIPTION	DATE

JAPAN INTERNATIONAL COOPERATION AGENCY

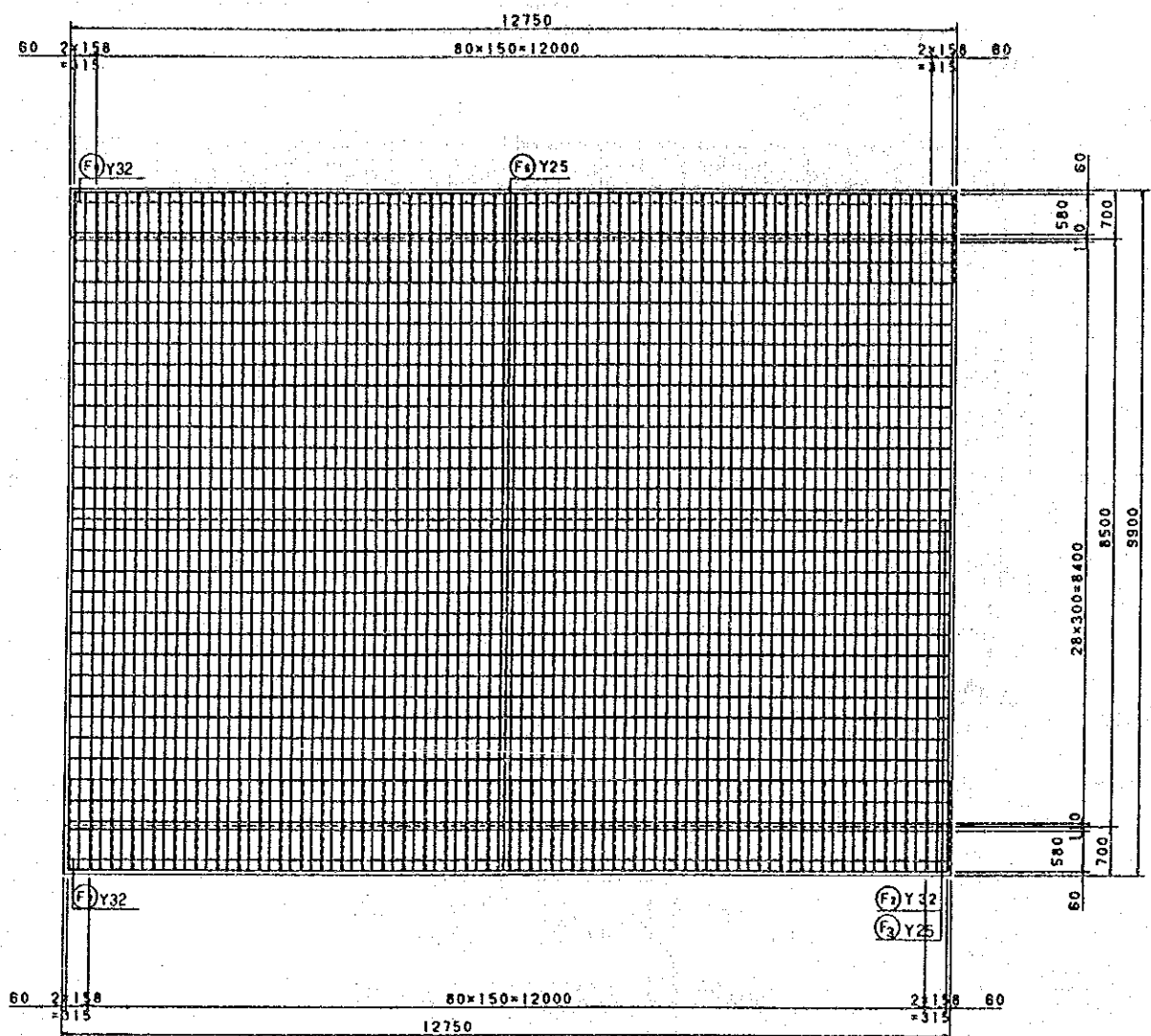
CHIEF ENGINEER (ROADS)
CHIEF SUPT ENG (DESIGN)

SEN SUPT. ENG (DESIGN)
SUPT ENGINEER (DESIGN)
PROJECT ENGINEER

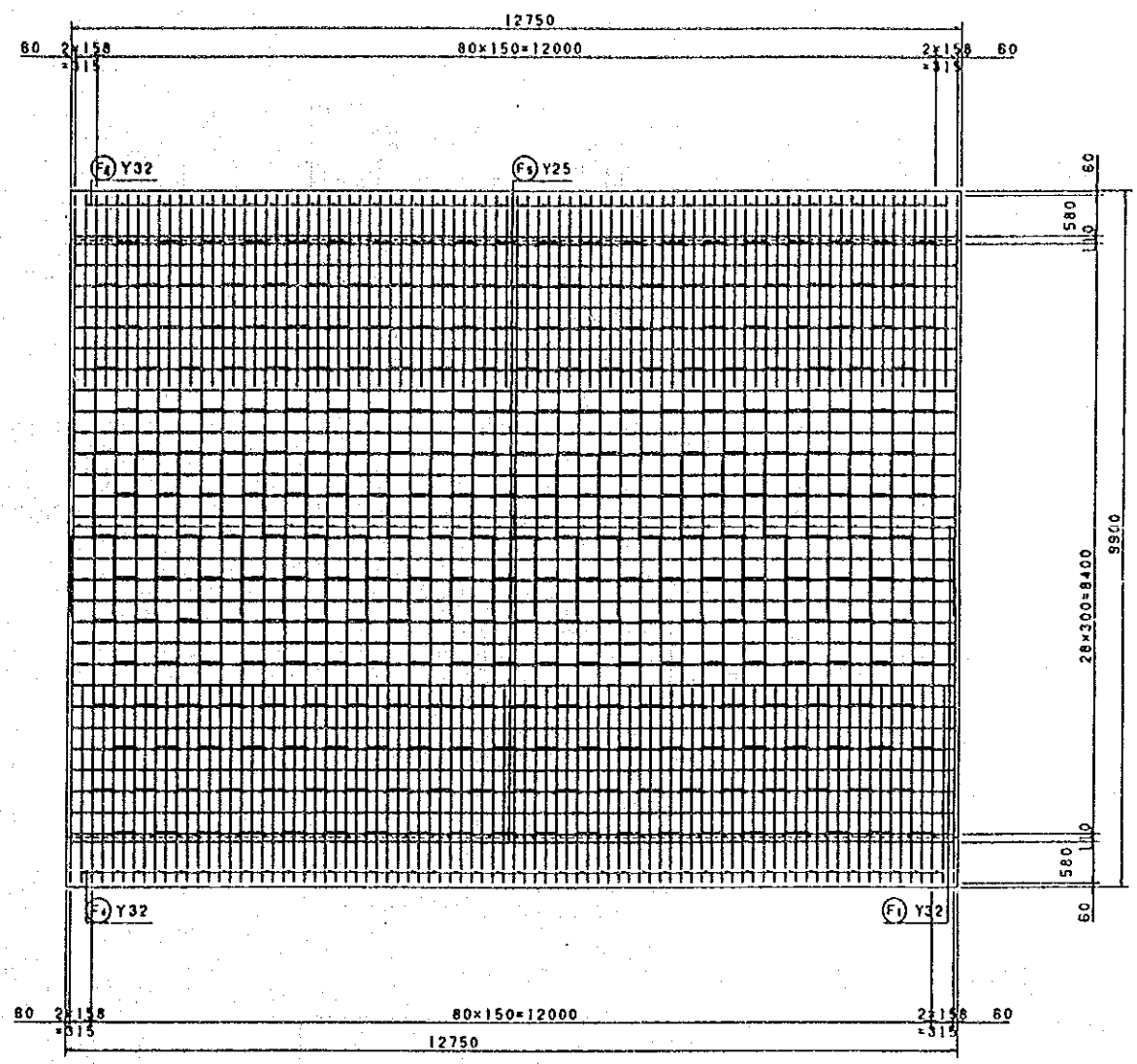
SCALES
1:50

NAIROBI BYPASS
VEHICLE BOX CULVERTS
CR 24+880.00 W=4.50 H=5.60 (3)

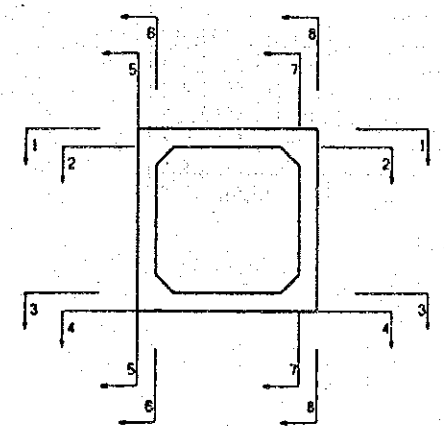
Q
SHEET 75 OF 183



7 - 7



8 - 8



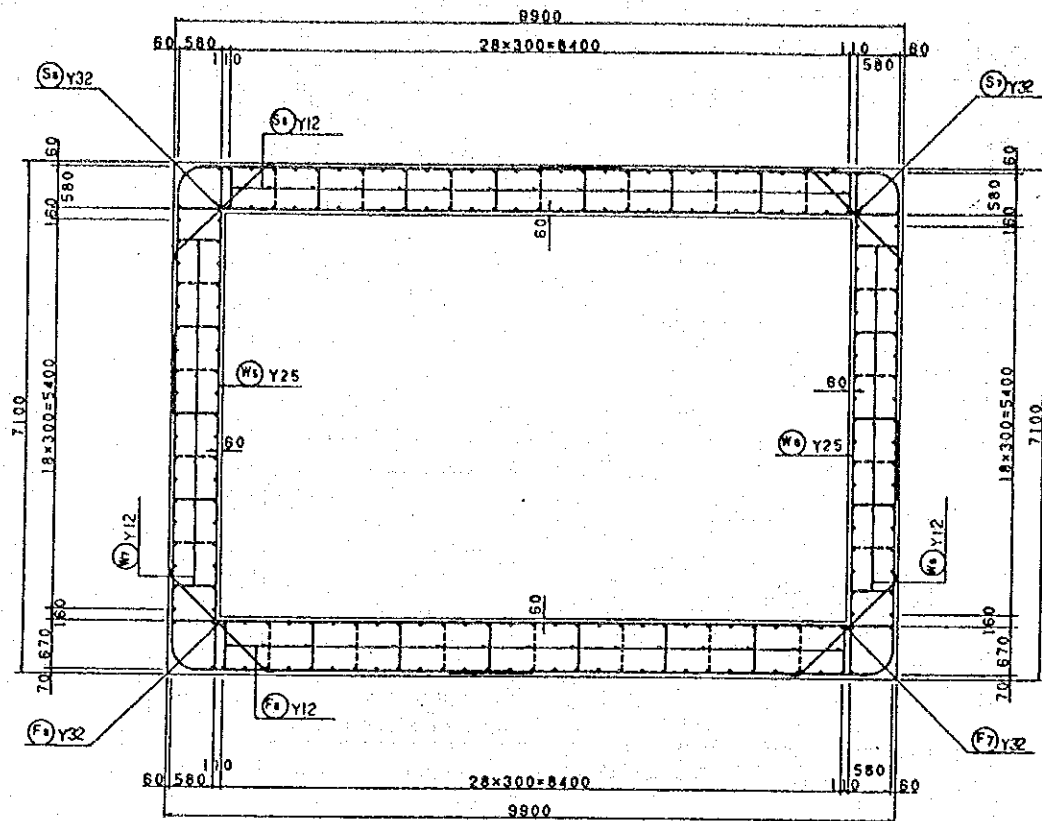
SURVEYED BY
 TRACED BY
 CHECKED BY
 AERIAL PHOTO BY
 MAPPING BY
 LOCATION BY

M.O.P.W. ROADS DEPT. DRG. NO.

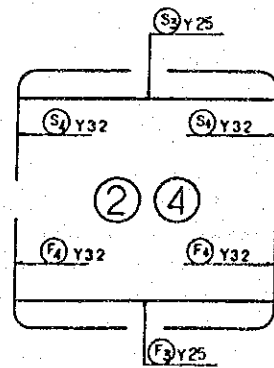
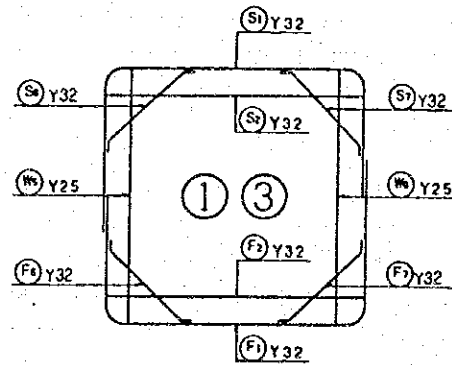
REVISIONS		JAPAN INTERNATIONAL COOPERATION AGENCY	CHIEF ENGINEER (ROADS)	SEN SUPT. ENG (DESIGN)	SCALES	NAIROBI BYPASS	Q
DESCRIPTION	DATE						
			CHIEF SUPT. ENG (DESIGN)	SUPT. ENGINEER (DESIGN)	1:50	VEHICLE BOX CULVERTS CR 24+980.00 N=4.50 R=5.80 (4)	SHEET 70 OF 183

AERIAL PHOTO BY _____ SURVEYED BY _____
 MAPPING BY _____ TRACED BY _____
 LOCATION BY _____ CHECKED BY _____

M.C.P.W. ROADS DEPT. DRG. NO.



SECTION



MARK	DIA	a	b	L	REMARK
S 8	Y12	345	625	1785	
F 8	Y12	345	715	1975	
W 7	Y12	—	622	822	
W 8	Y12	—	622	822	

MARK	DIA	a	H	L	NUMBER
S 6	Y32	1690	1195	1890	43
S 7	Y32	1690	1195	1880	43
F 6	Y32	1817	1285	2017	43
F 7	Y32	1817	1285	2017	43

MARK	DIA	a	b	c	L = a + b	LAP NUMBER
S 5	Y25	10000	3505	875	13505	1 64
F 5	Y25	10000	3505	875	13505	1 64
W 1	Y25	10000	3190	875	13505	1 19
W 2	Y16	10000	3190	560	13190	1 19
W 3	Y16	10000	3190	560	13190	1 19
W 4	Y25	10000	3190	875	13505	1 19

REVISIONS	
DESCRIPTION	DATE

JAPAN INTERNATIONAL COOPERATION AGENCY

CHIEF ENGINEER (ROADS)
CHIEF SUPT. ENG. (DESIGN)

SEN SUPT. ENG. (DESIGN)
SUPT. ENGINEER (DESIGN)
PROJECT ENGINEER

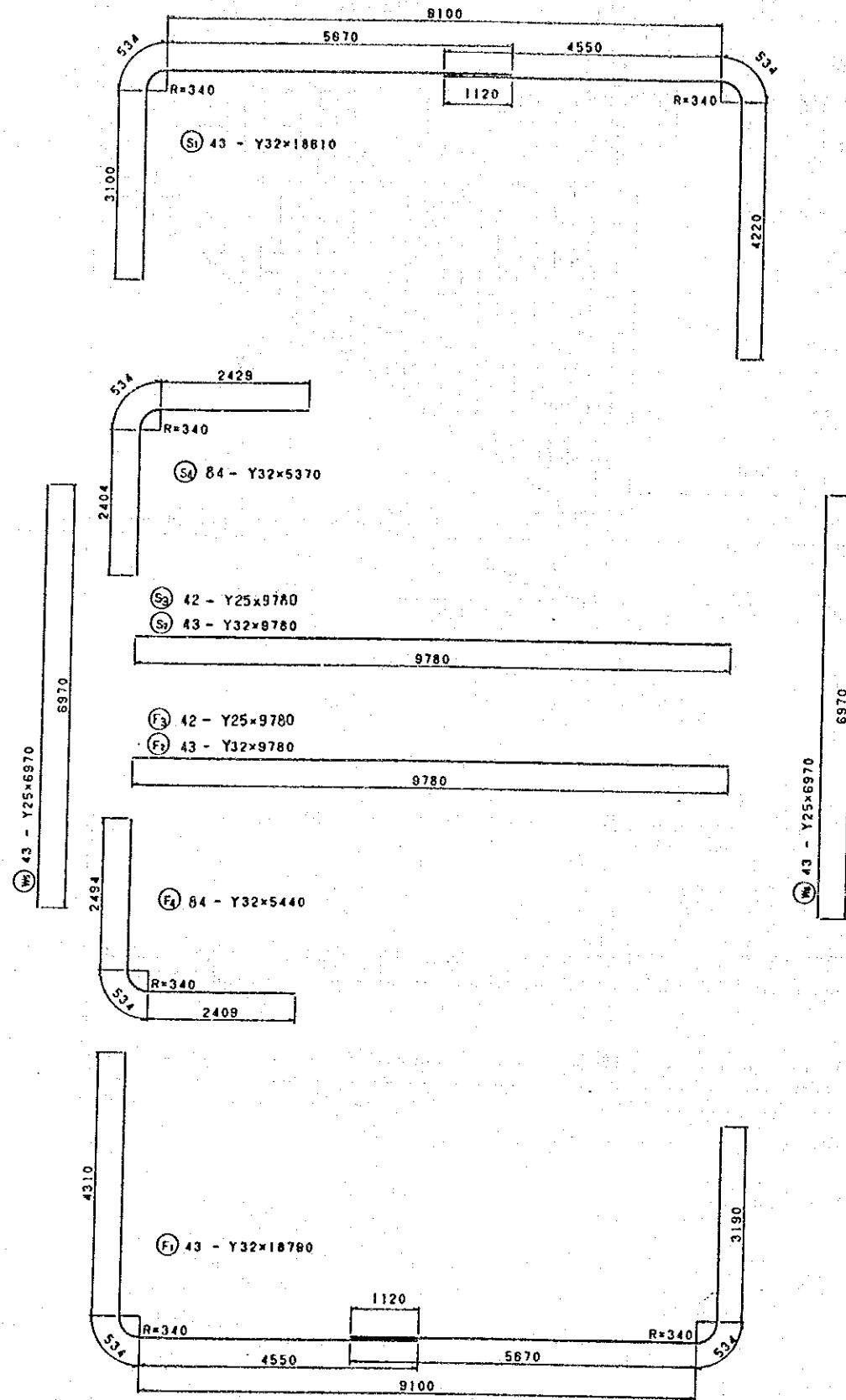
SCALES
1:50

NAIROBI BYPASS
VEHICLE BOX CULVERTS
CP 24x300.00 W-1.50 H-1.60 (S)

Q
SHEET 77 OF 183

AERIAL PHOTO BY	SURVEYED BY
MAPPING BY	TRACED BY
LOCATION BY	CHECKED BY

M.O.P.W. ROADS DEPT. DRG. NO.



REVISIONS	
DESCRIPTION	DATE

JAPAN INTERNATIONAL COOPERATION AGENCY

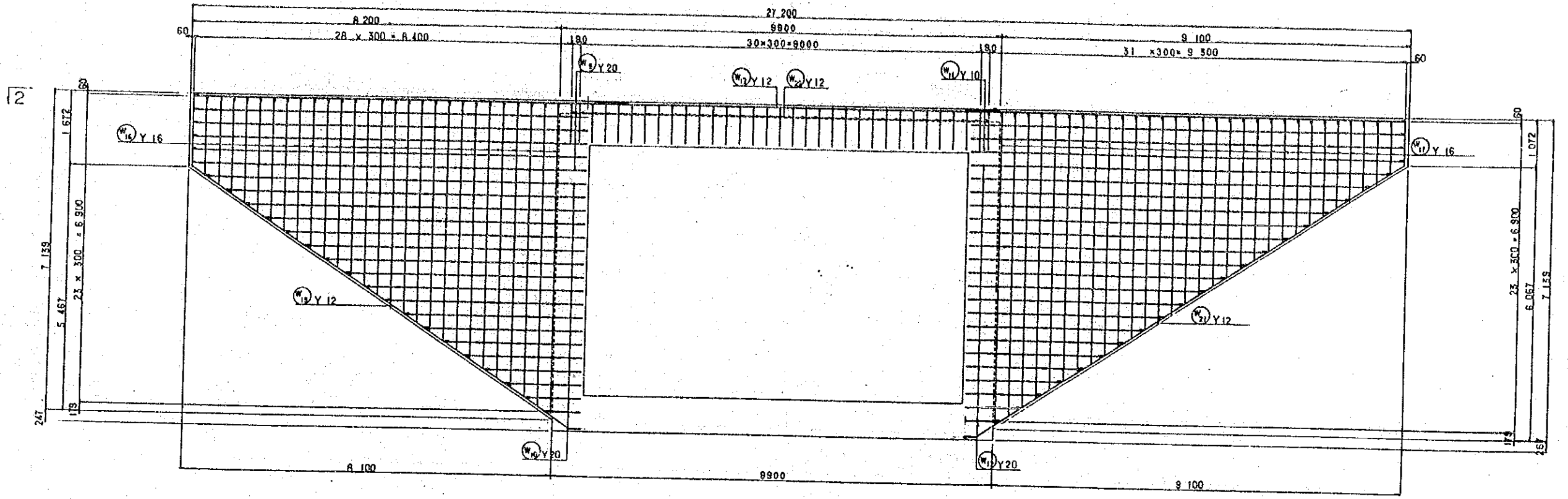
CHIEF ENGINEER (ROADS)
CHIEF SUPT. ENG. (DESIGN)

SEN. SUPT. ENG. (DESIGN)
SUPT. ENGINEER (DESIGN)
PROJECT ENGINEER

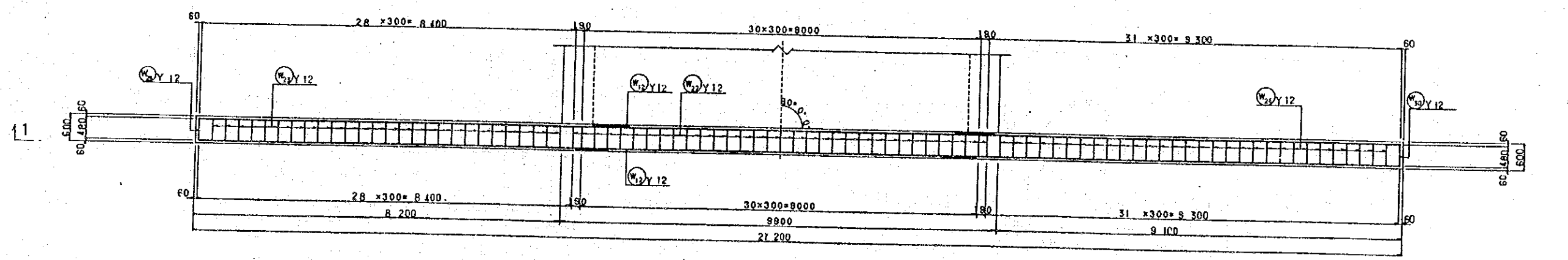
SCALES
1:50

NAIROBI BYPASS
VEHICLE BOX CULVERTS
CW 24x910.00 W=8.50 H=5.80 (6)

Q
SHEET 78 OF 183



1 — 1



2 — 2

AERIAL PHOTO BY _____ SURVEYED BY _____
 MAPPING BY _____ TRACED BY _____
 LOCATION BY _____ CHECKED BY _____

MDPW ROADS DEPT DRG NO.

REVISIONS	
DESCRIPTION	DATE

JAPAN INTERNATIONAL COOPERATION AGENCY

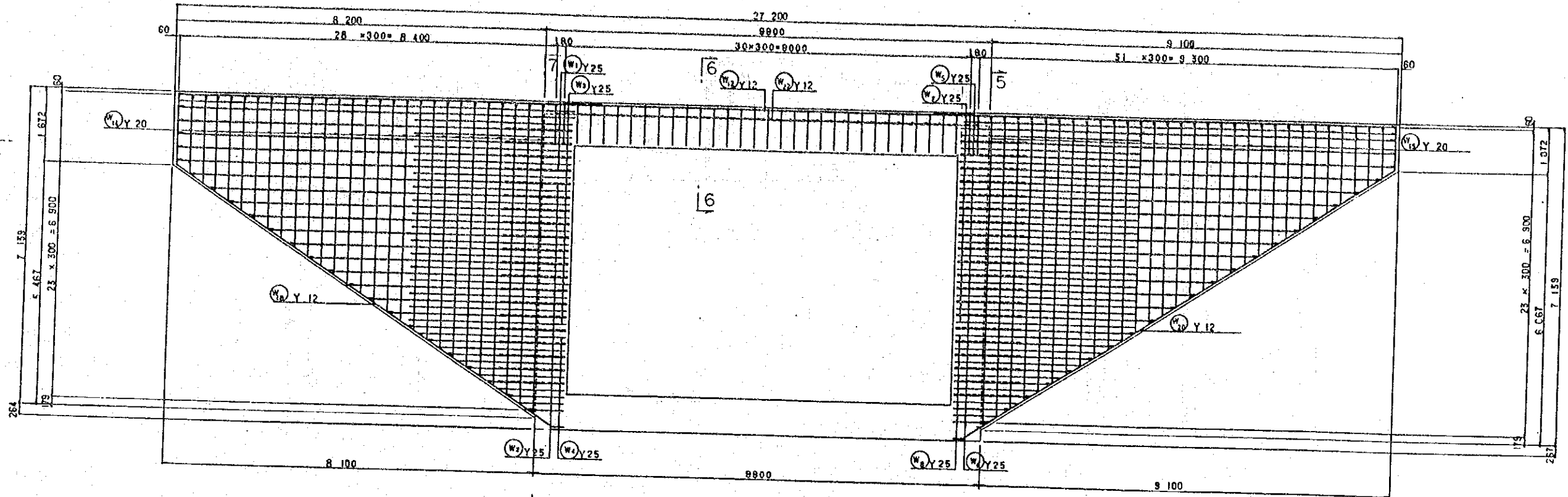
CHIEF ENGINEER (ROAD)
 CHIEF SUPT ENG (DESIGN)

SEN SUPT. ENG (DESIGN)
 SUPT ENGINEER (DESIGN)
 PROJECT ENGINEER

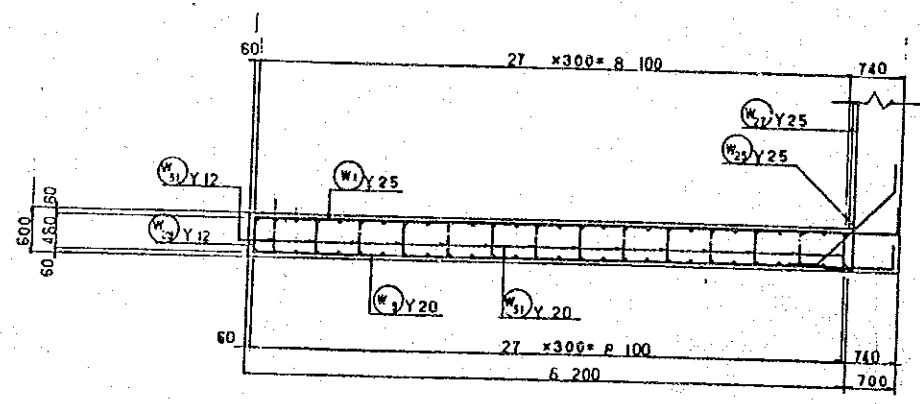
SCALES
 1: 50

NAIROBI BYPASS
 VEHICLE BOX CULVERTS
 CH 24*970.00 W*8.50 H*1.80 (1)

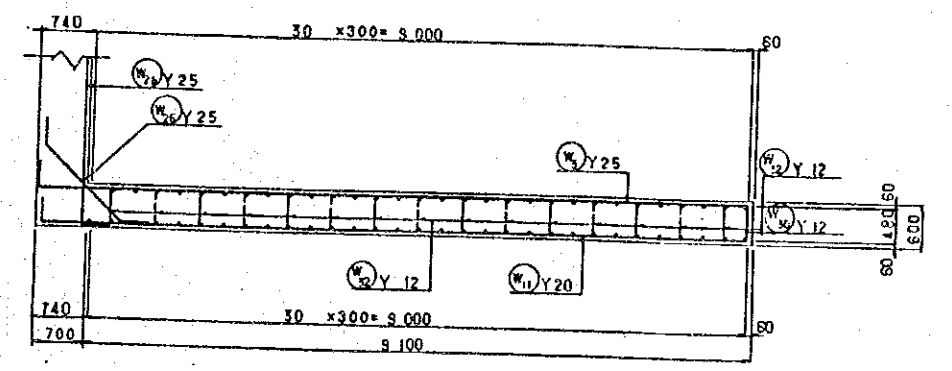
Q
 SHEET 79 OF 108



3 — 3



4 — 4



3

AERIAL PHOTO BY
MAPPING BY
LOCATION BY

SURVEYED BY
TRACED BY
CHECKED BY

MOPW ROADS DEPT DRG NO.

REVISIONS	
DESCRIPTION	DATE

JAPAN INTERNATIONAL COOPERATION AGENCY	CHIEF ENGINEER (ROADS)
	CHIEF SUPT ENG (DESIGN)

SEN SUPT. ENG. (DESIGN)	
SUPT ENGINEER (DESIGN)	
PROJECT ENGINEER	

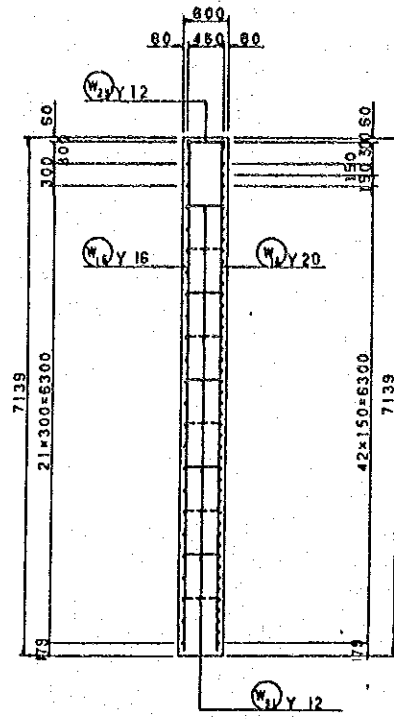
SCALES	
1:50	

NAIROBI BYPASS	
VEHICLE BOX CULVERTS	
CR 24+880.00 R+1.50 W+5.00 (4)	

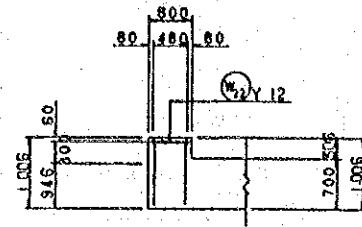
Q	
SHEET 8 OF 183	

AERIAL PHOTO BY	SURVEYED BY
MAPPING BY	TRACED BY
LOCATION BY	CHECKED BY

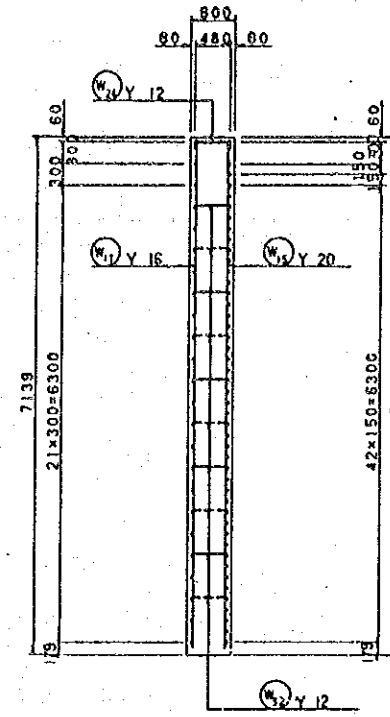
MOPW ROADS DEPT DRG NO.



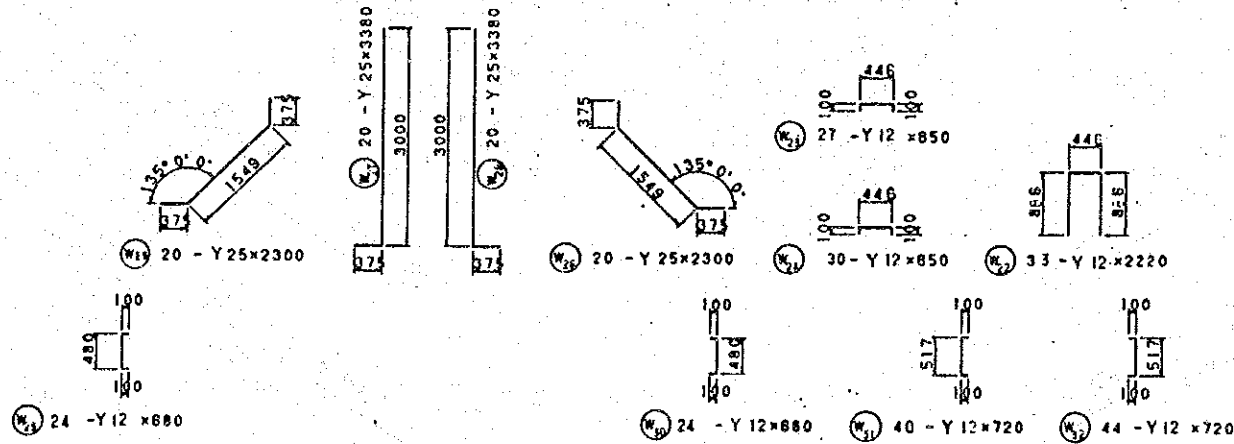
5 — 5



6 — 6



7 — 7



REVISIONS	
DESCRIPTION	DATE

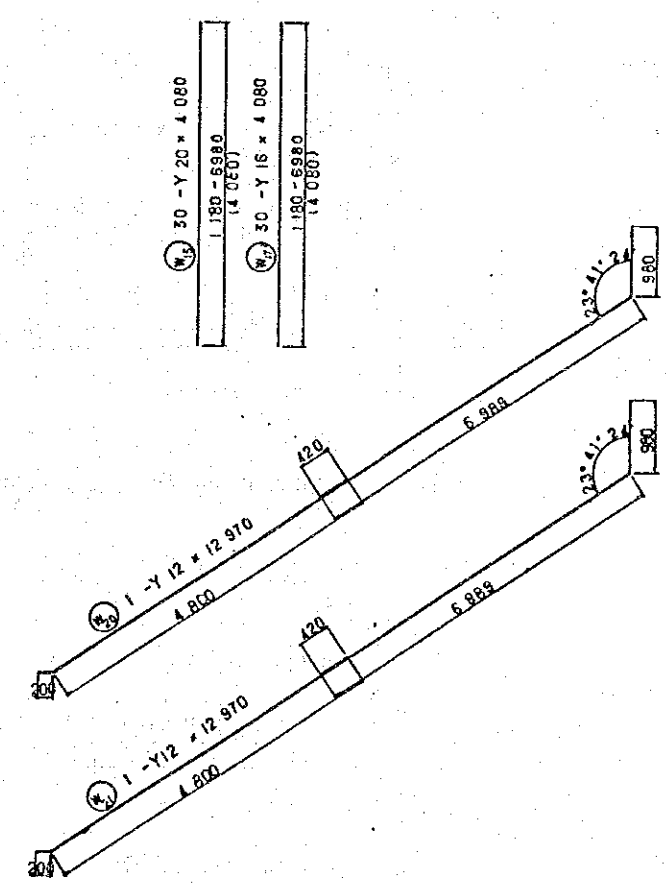
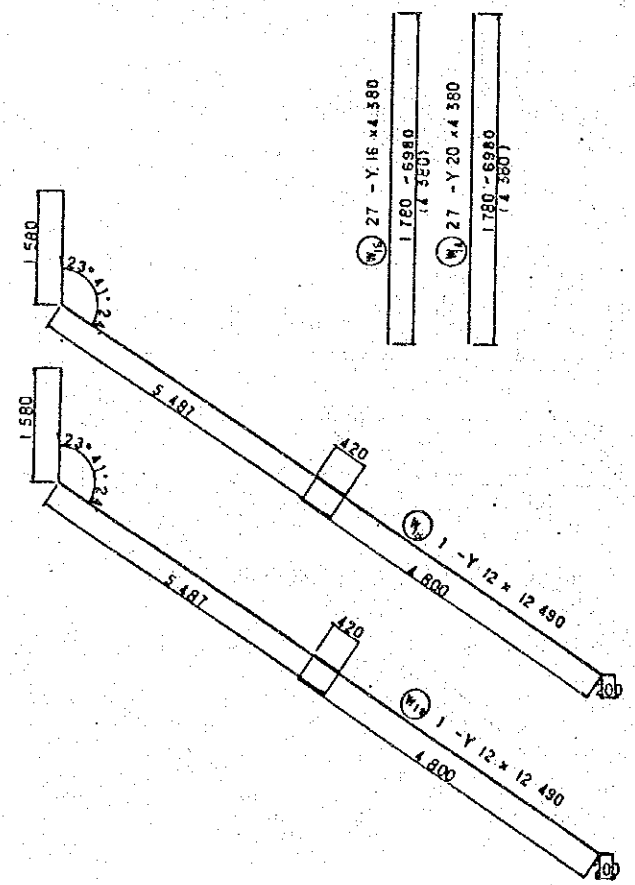
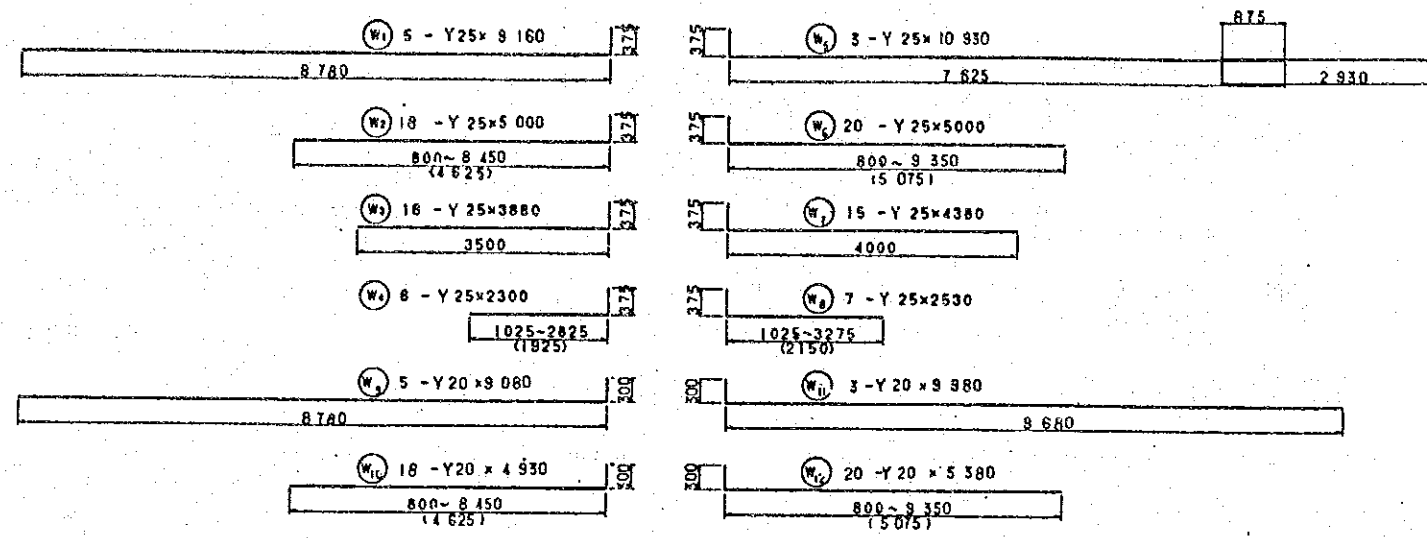
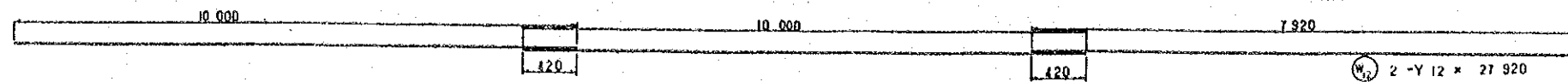
JAPAN INTERNATIONAL COOPERATION AGENCY	CHIEF ENGINEER (ROADS)
	CHIEF SUPT ENG (DESIGN)

SEN SUPT. ENG (DESIGN)	
SUPT ENGINEER (DESIGN)	
PROJECT ENGINEER	

SCALES	
1:50	

NAIROBI BYPASS	
VEHICLE BOX CULVERTS	
CS 24x300.00 W=4.50 H=5.00 (2)	

Q	
SHEET 81 OF 183	



AERIAL PHOTO BY	SURVEYED BY
MAPPING BY	TRACED BY
LOCATION BY	CHECKED BY

MCPW ROADS DEPT DRG NO.

REVISIONS	
DESCRIPTION	DATE

JAPAN INTERNATIONAL COOPERATION AGENCY

CHIEF ENGINEER (ROADS)
CHIEF SUPT ENG (DESIGN)

SEN SUPT. ENG (DESIGN)
SUPT ENGINEER (DESIGN)
PROJECT ENGINEER

SCALES
1:50

NAIROBI BYPASS
VEHICLE BOX CULVERTS
CN 24+920.00 W=3.00 B=6.00 (10)