

THE DEFINITE PLAN REPORT
ON THE
SAN MIGUEL-ALANGALANG RICE & CROPS
PRODUCTION CENTER IN THE PHILIPPINES

DRAWINGS

SEPTEMBER 1968

OVERSEAS TECHNICAL COOPERATION AGENCY
GOVERNMENT OF JAPAN

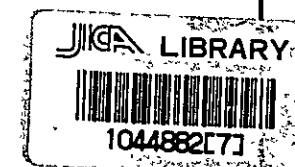
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国際協力事業団	
受入 月日 84.5.25	1518
登録No. 07958	816
	A.F.

LIST OF DRAWINGS

DRAWING NO.	TITLE	
101	Location map.	
102	Layout map.	
D - 1	Diversion dams and Link canal.	General location.
D - 2	Diversion dam No.1	Plan and profile.
D - 3	" " scouring sluice way.	Sections.
D - 4	" " "	Reinforcement sheet (1)
D - 5	" " "	" " (2)
D - 6	" " intake	Plan profile and sections.
D - 7	" " "	Reinforcement sheet.
D - 8	" " "	Details of hand rail and trash rack.
D - 9	" " "	Install assembly of gates.
D - 10	" " retaining wall.	Reinforcement sheet.
D - 11	" " No.2	Plan and profile.
D - 12	" " "	Sections.
D - 13	" " scouring sluice way.	Reinforcement sheet (1)
D - 14	" " "	" " (2)
D - 15	" " intake.	Plan profile and sections.
D - 16	" " "	Reinforcement sheet.
D - 17	" " "	Detail of hand rail and trash rack.
D - 18	" " "	Install assembly of gates.
D - 19	" " retaining wall.	Reinforcement sheet (1)
D - 20	" " "	" " (2)
D - 21	Diversion dams.	Plan of construction work.
D - 22	Chute of link canal.	Plan, profile and section.

DRAWING NO.	TITLE	
D-23	Link canal.	Profile
D-24	Main canal.	"
D-25	Link and main canal.	Typical cross sections.
D-26	Elevated flume.	Plan, profile and sections.
D-27	" "	Reinforcement sheet.
D-28	Main wastway.	Plan and sections.
D-29	" "	Reinforcement sheet.
D-30	Maintenance bridge.	Plan, profile and sections.
D-31	Main siphon.	" "
D-32	" "	Reinforcement sheet.
A - 1	Laterals.	General location.
A - 2	Lateral A.	Profile (1)
A - 3	"	" (2)
A - 4	"	" (3)
A - 5	"	" (4)
A - 6	"	" (5)
A - 7	Lateral A1.	" (1)
A - 8	"	" (2)
A - 9	"	" (3)
A-10	Lateral B.	" (1)
A-11	"	" (2)
A-12	Lateral A.	Typical cross sections.
A-13	Lateral A1 and B.	" "
A-14	Small siphon No. 1.	Plan and sections.
A-15	" No. 2.	"
A-16	Division work No.1.	Plan, profile and sections.
A-17	" "	Sections.
A-18	" No.2.	Plan, profile and sections.
A-19	" No.3.	Plan and sections.
A-20	" No.3.	Reinforcement sheet.
A-21	" No.3.	Install assembly of gates.
A-22	Drop type A.	Plan and sections.
A-23	" B.	"
A-24	" C.	"
A-25	" D.	"
A-26	" E and F.	"
A-27	" G.	"
A-28	" H.	"
A-29	" I.	"

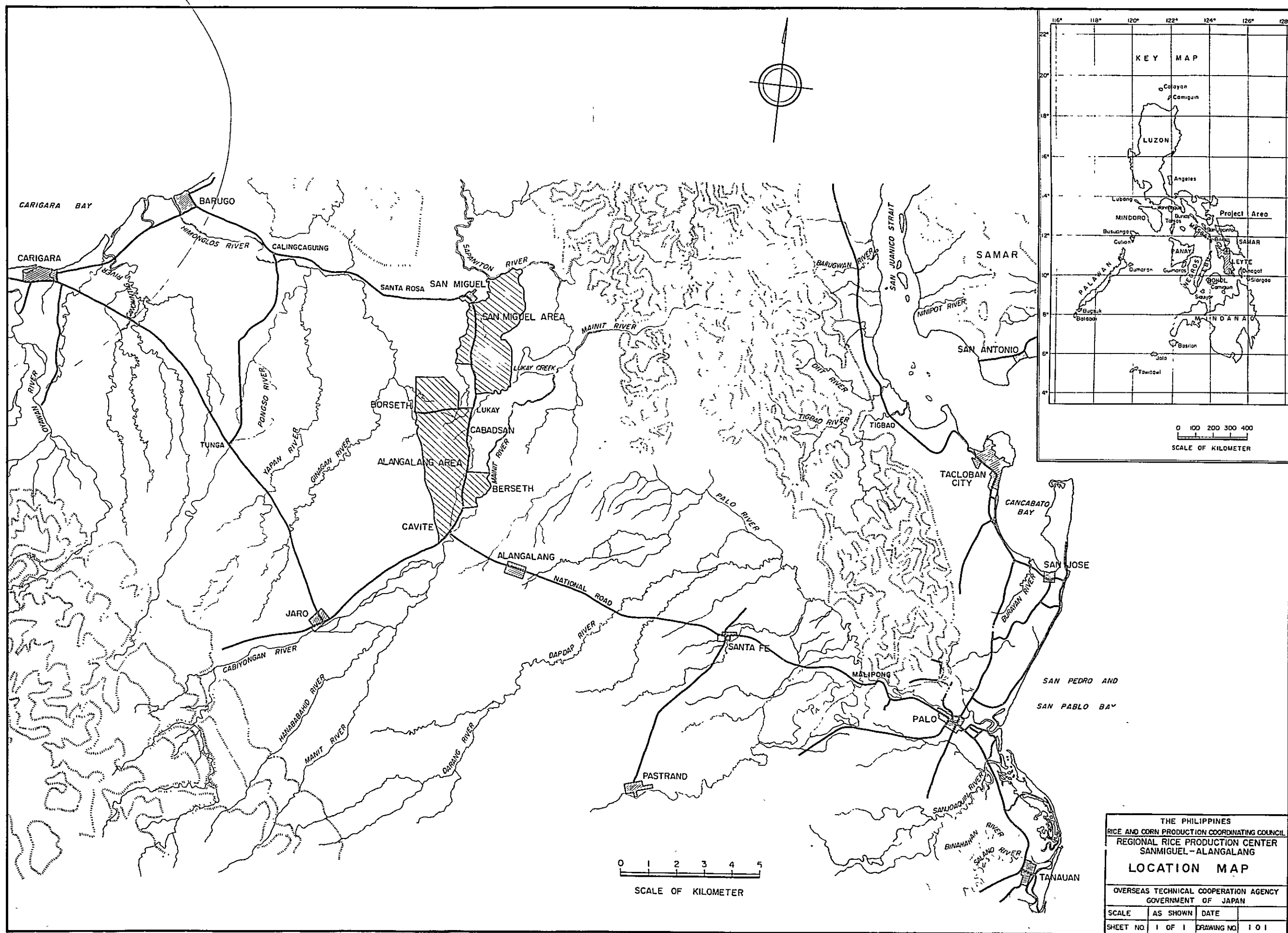


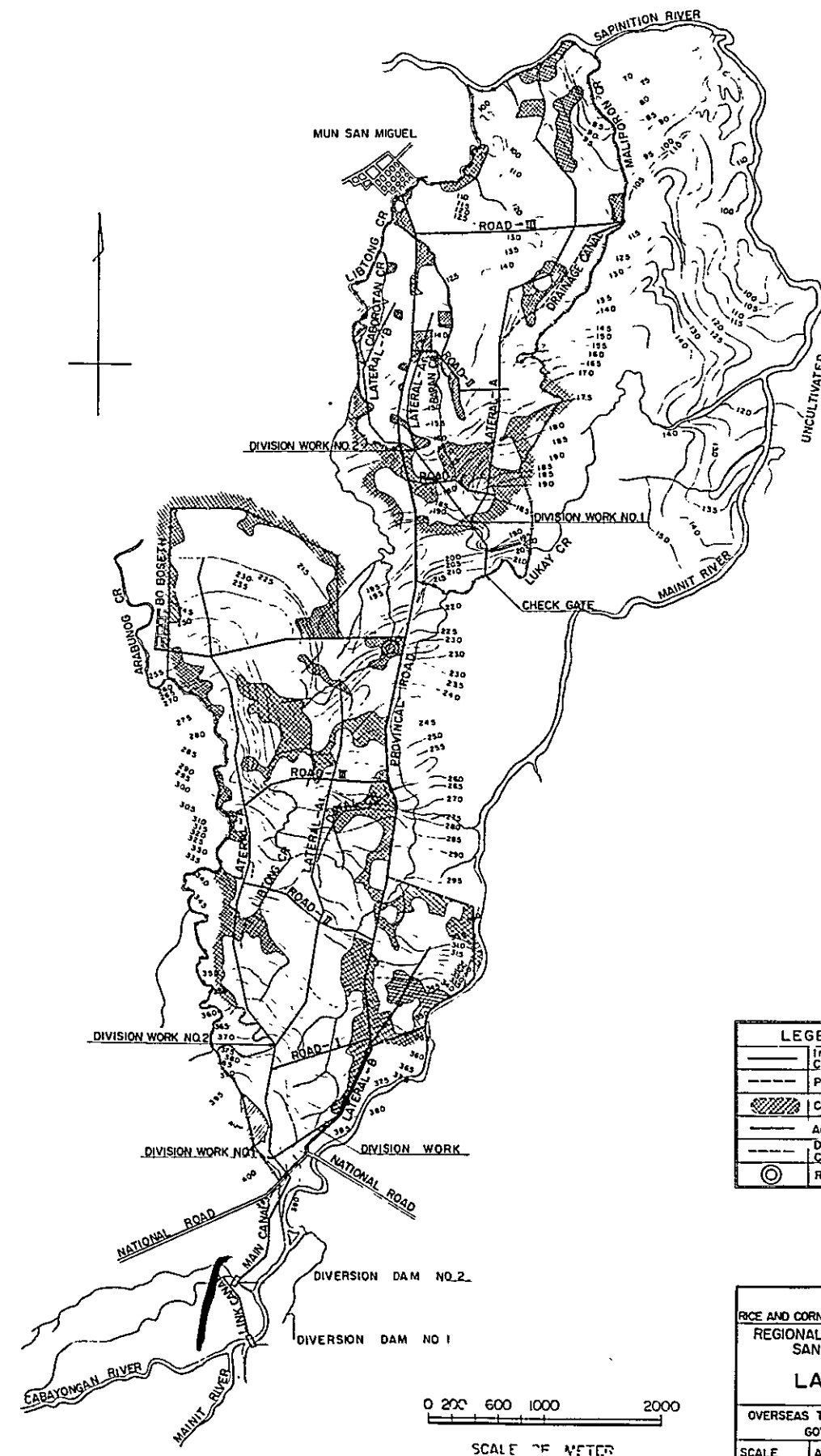
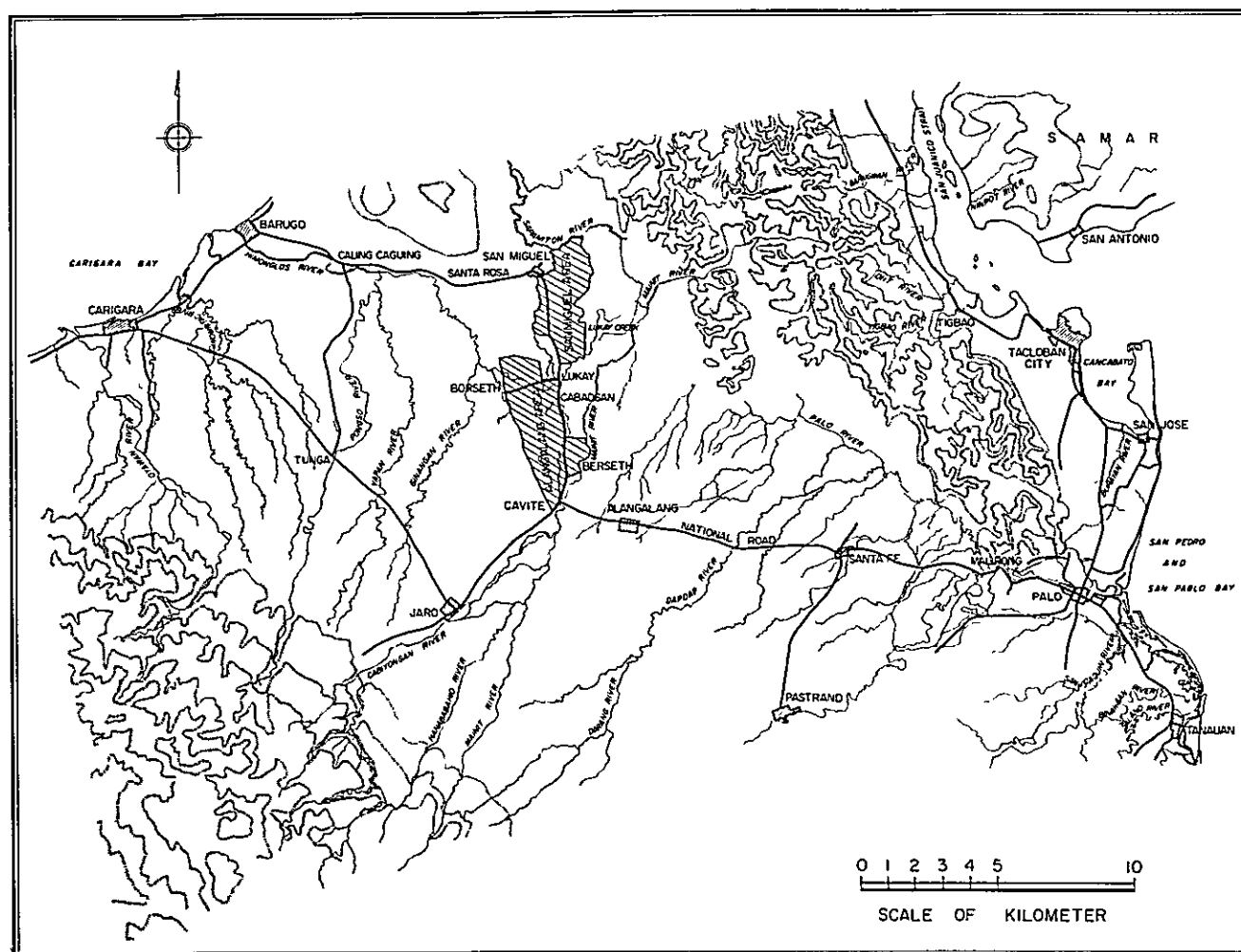
DRAWING NO.	TITLE	
A-30	Drop type J.	Plan and sections.
A-31	" K and L.	"
A-32	Wasteway No. 1.	"
A-33	No. 2.	"
A-34	No. 3.	"
A-35	No. 4.	"
A-36	No. 5.	"
A-37	No. 6.	"
A-38	No. 7.	"
A-39	Turnout type A and B.	Plan, profile and sections.
A-40	" C.	" "
A-41	Access road I.	Profile.
A-42	" II.	"
A-43	" III.	"
A-44	Farm bridges.	Plan, profile and details.
A-45	Culvert No.1, No. 2 and No. 3	Plan and profile.
A-46	Culvert No.4 and No.5.	"
A-47	Housing of rice processing center.	Plan and views.
A-48	" "	Framing plan and elevation.
A-49	" "	Details.
A-50	Generator room of rice processing center.	Plan and views.
S-1	Laterals.	General location.
S-2	Check gate.	General plan and section.
S-3	Check gate fixed weir and wooden mattress.	Plan and section.
S-4	Check gate sluice way.	"
S-5	Check gate intake and retaining wall.	"
S-6	Check gate retaining wall and intake.	Reinforcement sheet.
S-7	Check gate	Install assembly of gate.
S-8	"	Excavation and embankment(1)
S-9	"	" " (2)
S-10	"	" " (3)

DRAWING NO.	TITLE	
S-11	Check gate.	Temporary works.
S-12	Lateral A.	Profile (1)
S-13	"	" (2)
S-14	"	" (3)
S-15	Lateral A ₁	" (1)
S-16	"	" (2)
S-17	Lateral B	" (1)
S-18	"	" (2)
S-19	Lateral A, A ₁ , B and drainage canal.	Typical cross section.
S-20	Flume and transition.	Plan, section and details.
S-21	Division work No. 1.	Plan and section.
S-22	" "	Reinforcement sheet.
S-23	" No. 2.	Plan and section.
S-24	" "	Reinforcement sheet.
S-25	Lateral B siphon.	Plan, section and details.
S-26	Lateral A drop No.1, No.2.	Plan and section.
S-27	" "	Reinforcement sheet.
S-28	" No.3.	Plan and section.
S-29	" No.3.	Reinforcement sheet.
S-30	" No.4.	Plan and section.
S-31	" No.4.	Reinforcement sheet.
S-32	Lateral B drop.	Plan and section.
S-33	Lateral A wastway No. 1.	"
S-34	" No.2.	"
S-35	" No.3.	"
S-36	" No.4.	"
S-37	Lateral A ₁ wastway No.1.	"
S-38	" No.2.	"
S-39	" No.3.	"
S-40	Lateral B wastway No.1.	"
S-41	" No.2.	"
S-42	Lateral A culvert No.1.	"
S-43	" No.2.	"
S-44	" No.3.	"
S-45	Lateral A ₁ culvert No.1 and No.2.	"
S-46	Turnout	"
S-47	"	Install assembly of gates.

DRAWING NO.	TITLE	
S-48	Drinage canal.	Profile.
S-49	Drinage canal drop.	Plan and section.
S-50	" "	Reinforcement sheet.
S-51	Access road I.	Profile.
S-52	" II.	"
S-53	" III.	" (1)
S-54	" III.	" (2)
S-55	Access road II bridge.	Plan and section.
S-56	Access road I culvert.	"
<p style="text-align: center;"><u>NOTES</u></p> <p>D----- General drawing.</p> <p>A----- Alangalang area.</p> <p>S----- San miguel area.</p>		

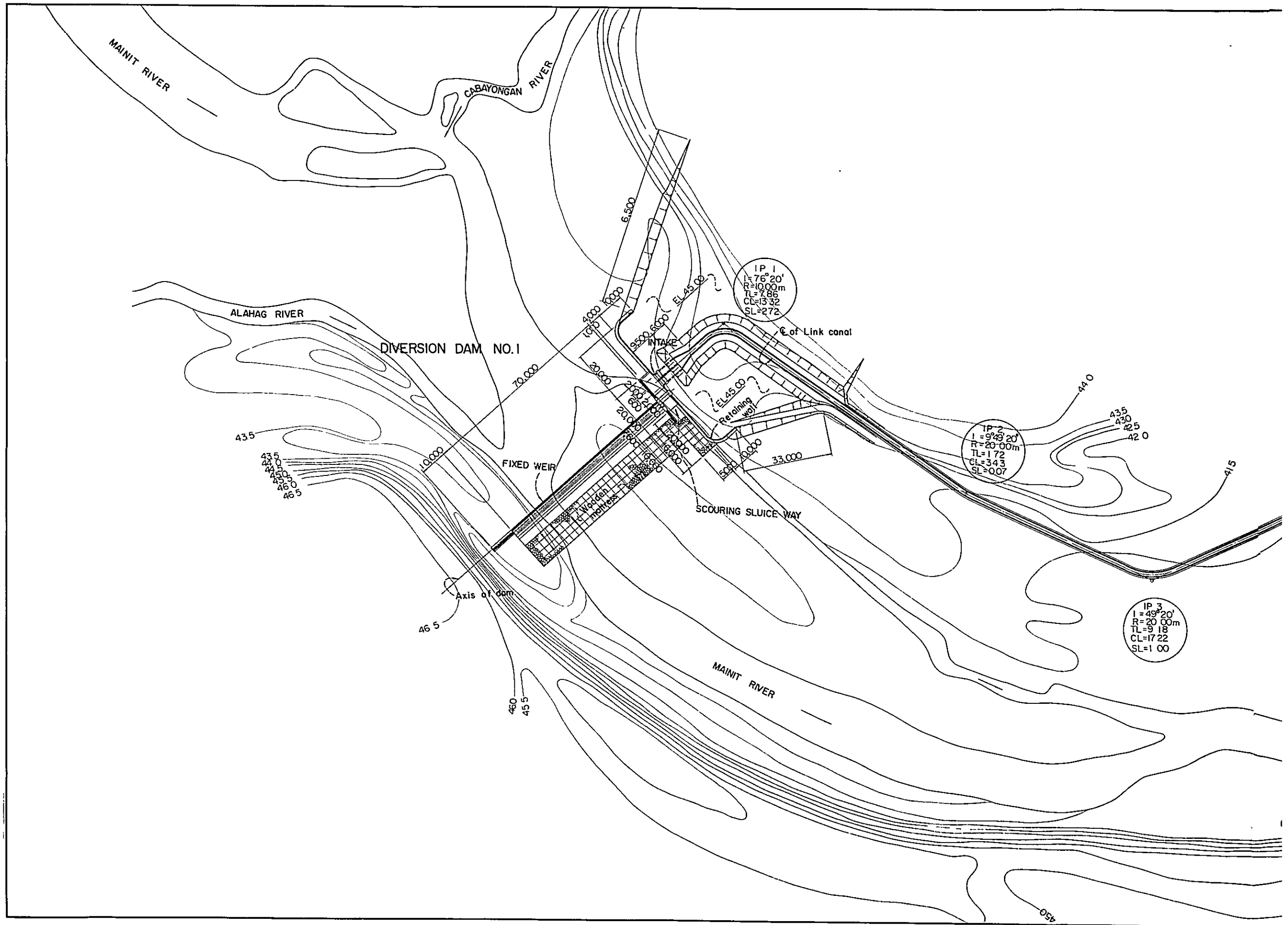
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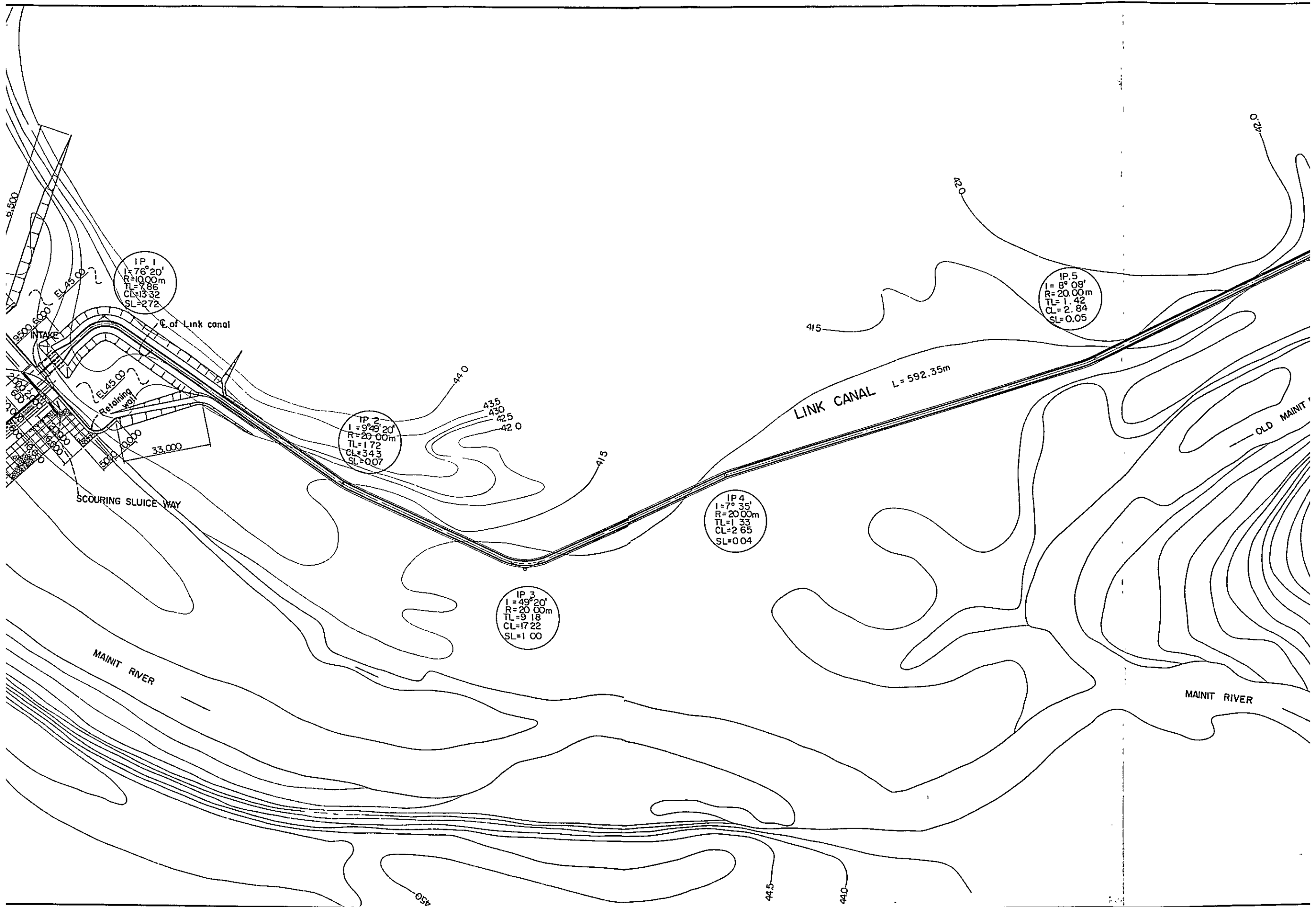


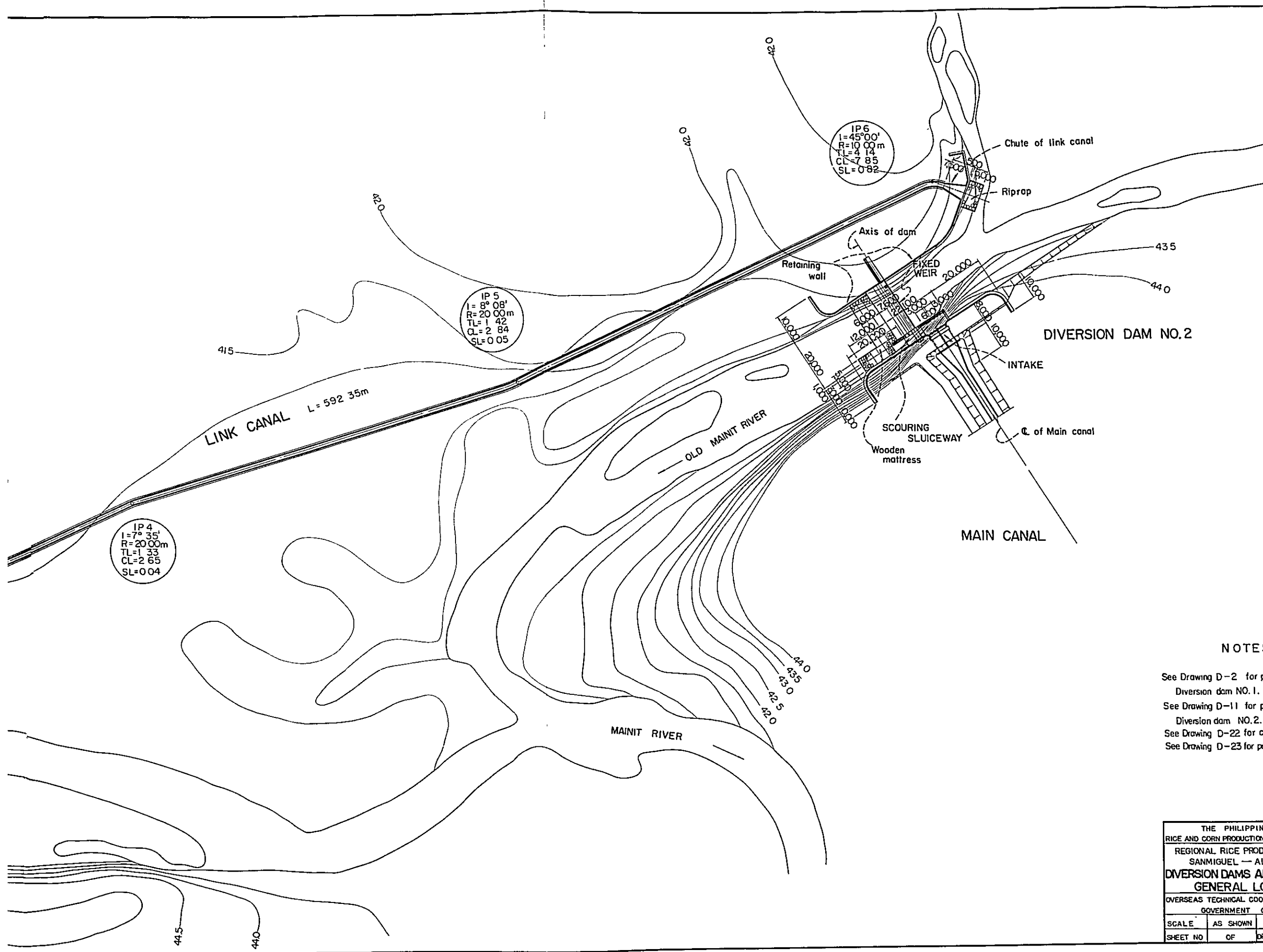


LEGEND	
	Irrigation Canal
	Project Area
	Coconut Area
	Access Road
	Drainage Canal
	Rice Center

THE PHILIPPINES RICE AND CORN PRODUCTION COORDINATING COUNCIL			
REGIONAL RICE PRODUCTION CENTER SAN MIGUEL-ALANGALANG			
LAYOUT MAP			
OVERSEAS TECHNICAL COOPERATION AGENCY GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO.	1 OF 1	DRAWING NO.	102



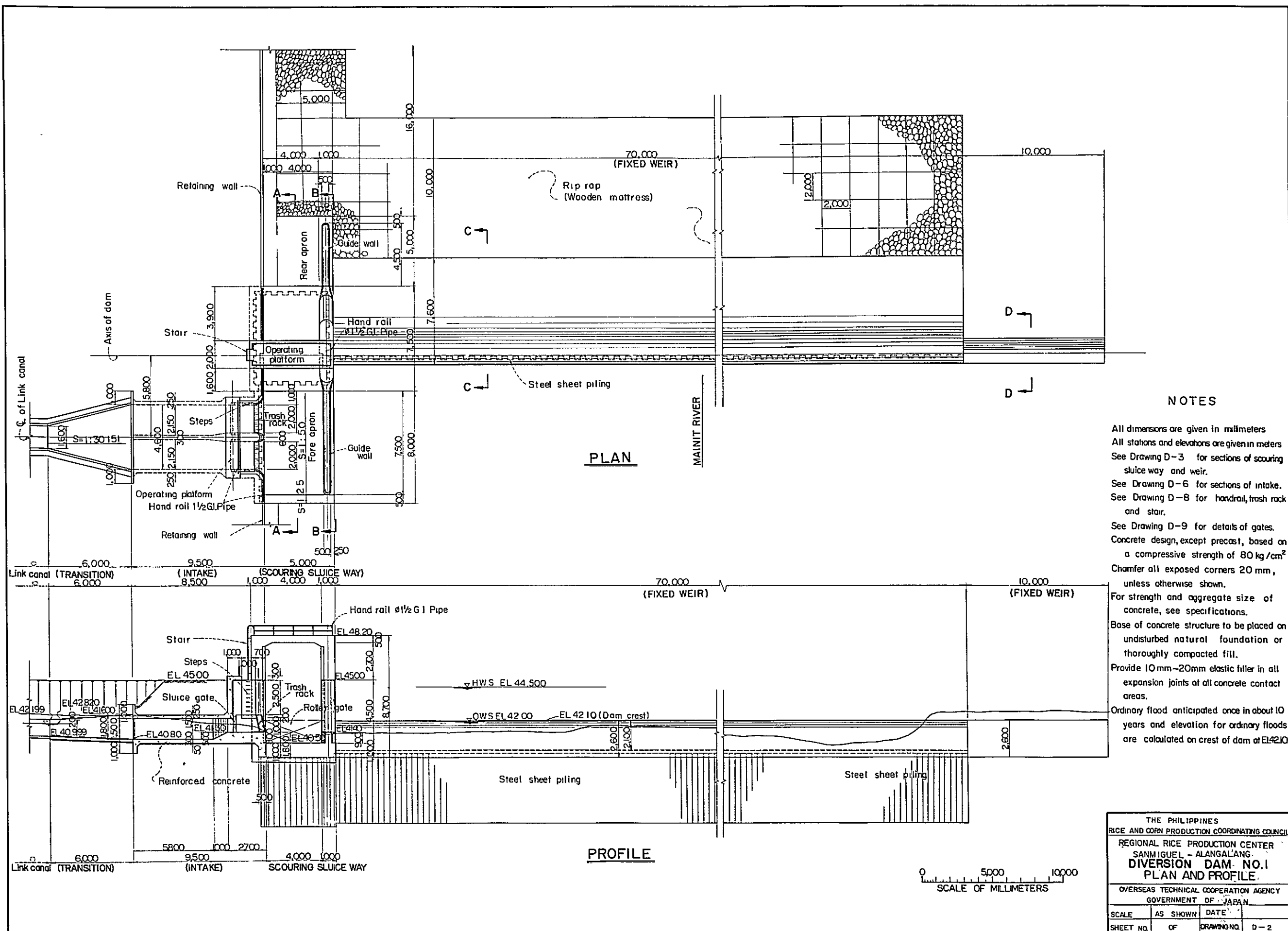


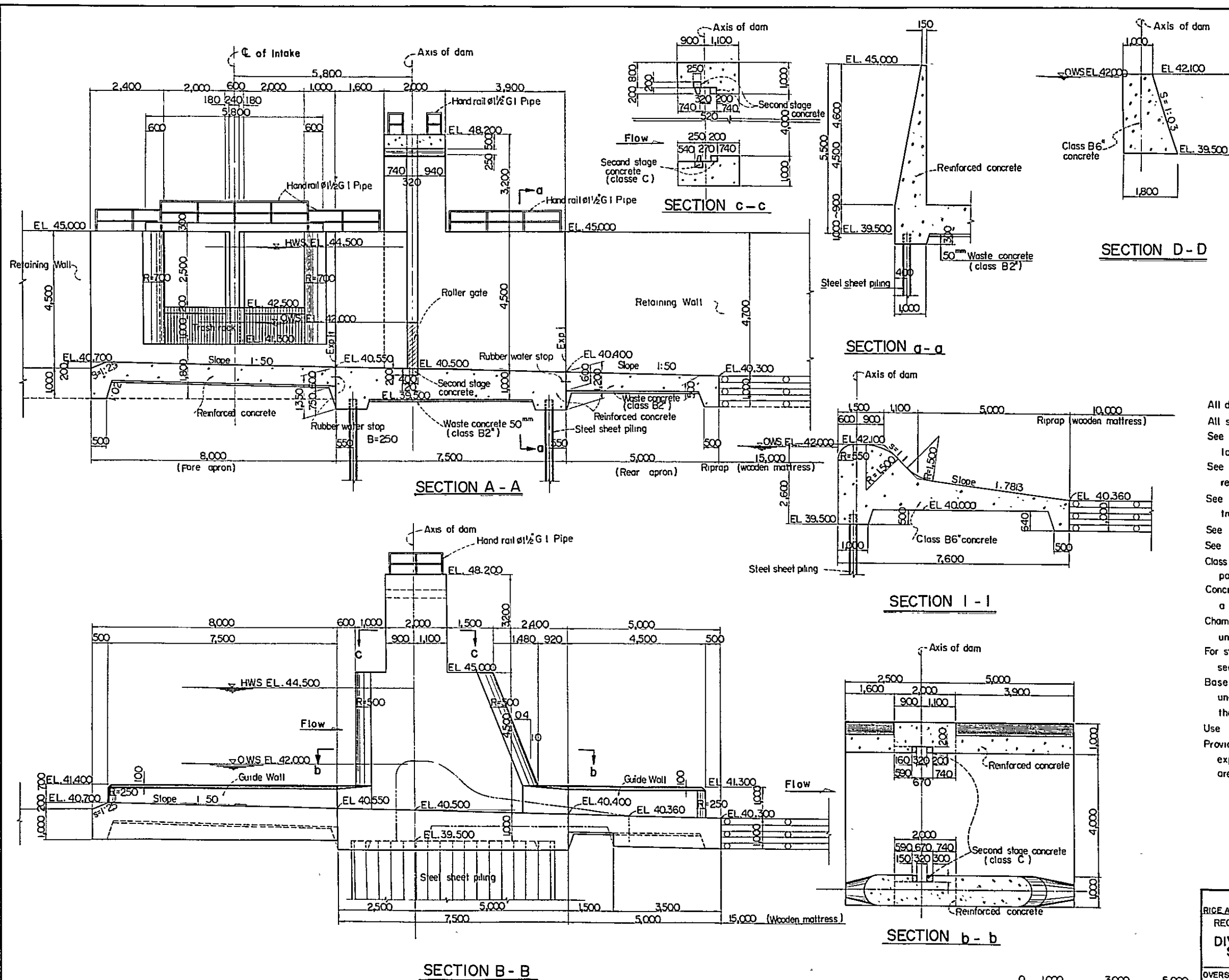


NOTES

See Drawing D-2 for plan and profile of
Diversion dam NO. 1.
See Drawing D-11 for plan and profile of
Diversion dam NO. 2.
See Drawing D-22 for chute of Link canal
See Drawing D-23 for profile of Link canal

THE PHILIPPINES			
RICE AND CORN PRODUCTION COORDINATING COUNCIL			
REGIONAL RICE PRODUCTION CENTER			
SANMIGUEL — ALANGALANG			
DIVERSION DAMS AND LINK CANAL			
GENERAL LOCATION			
OVERSEAS TECHNICAL COOPERATION AGENCY			
GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO	OF	DRAWING NO	D-1



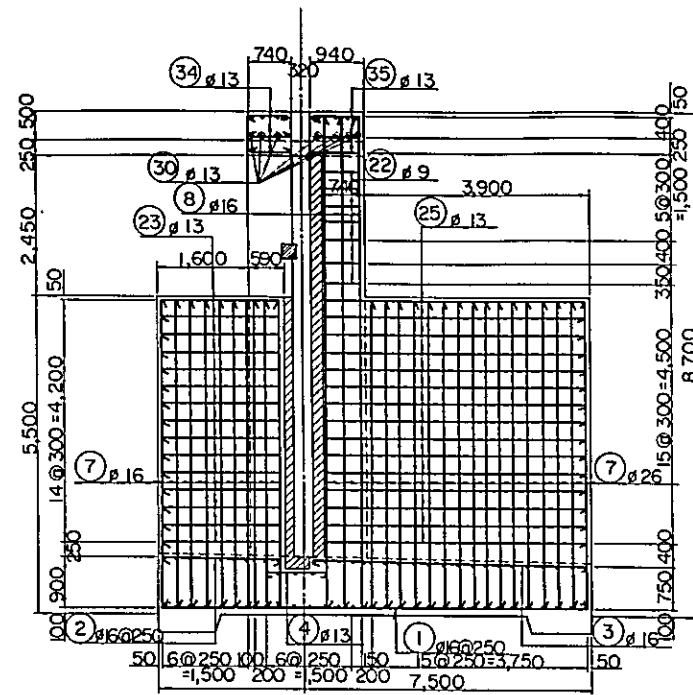


NOTES

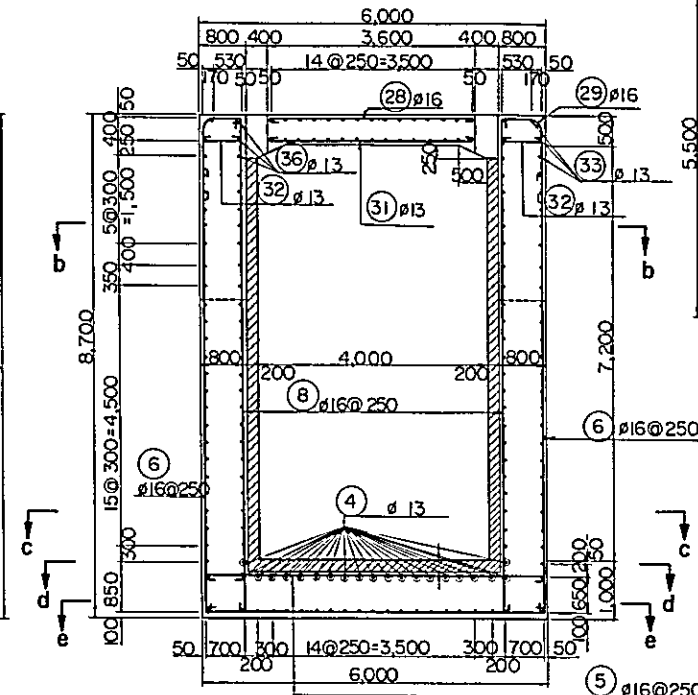
- All dimensions are given in millimeters.
- All stations and elevations are given in meters.
- See plan and profile for the general location of Diversion dam NO.1.
- See Drawing D-4 and D-5 for reinforcement.
- See Drawing D-8 for handrail and trash rack.
- See Drawing D-9 for details of gates.
- See Drawing D-10 for retaining walls.
- Class "A" concrete to be placed at all portion unless otherwise shown.
- Concrete design, except precast, based on a compressive strength of 80 kg/cm².
- Chamfer all exposed corners 20mm, unless otherwise shown.
- For strength and aggregate size of concrete, see specifications.
- Base of concrete structure to be placed on undisturbed natural foundation or thoroughly compacted fill.
- Use 250mm rubber water stop.
- Provide 10mm-20mm elastic filler in all expansion joints at all concrete contact areas.

THE PHILIPPINES			
REGIONAL RICE PRODUCTION COORDINATING COUNCIL			
REGIONAL RICE PRODUCTION CENTER			
SAN MIGUEL - ALANGALANG			
DIVERSION DAM NO. 1			
SCOURING SLUICE WAY			
SECTIONS			
OVERSEAS TECHNICAL COOPERATION AGENCY			
GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO.	OF	DRAWING NO.	D-3

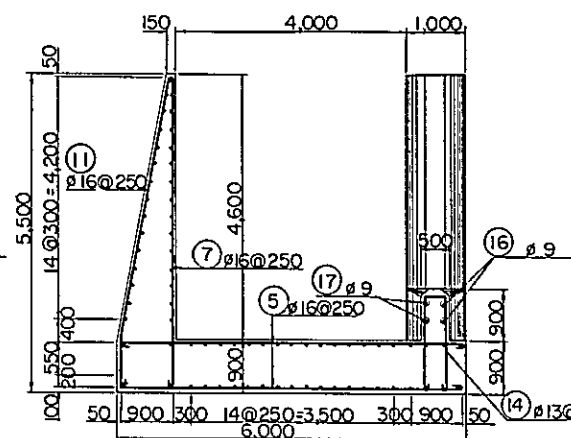
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SCALE OF MILLIMETERS



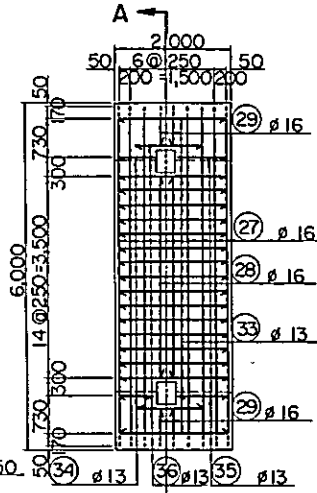
SECTION f-f



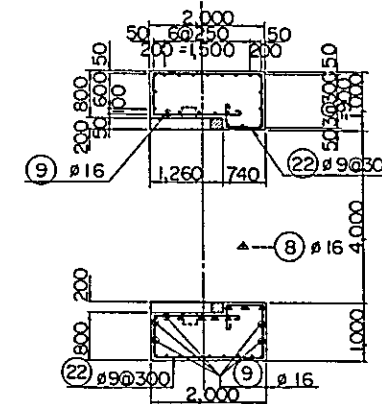
SECTION A-A



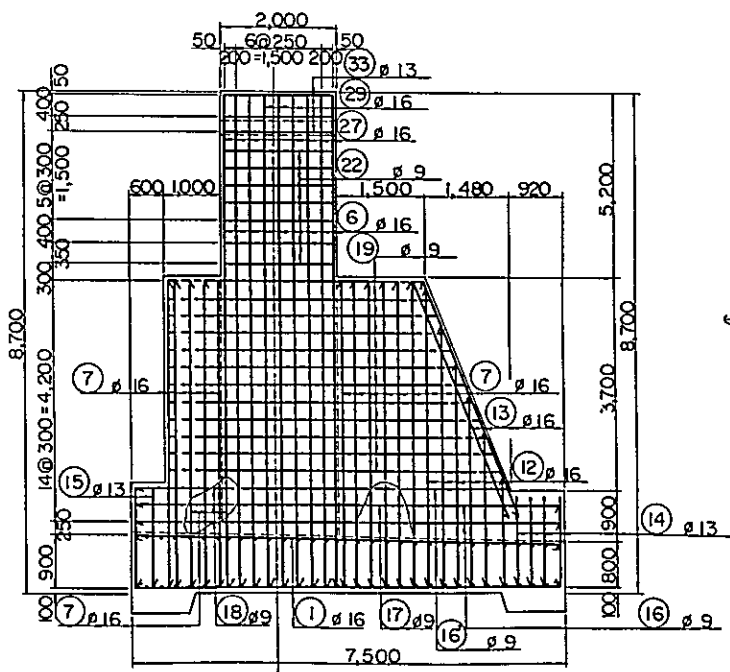
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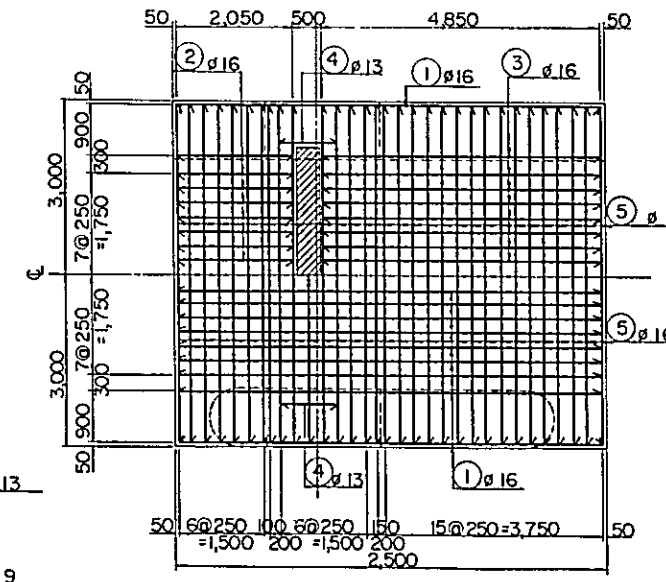
PLAN



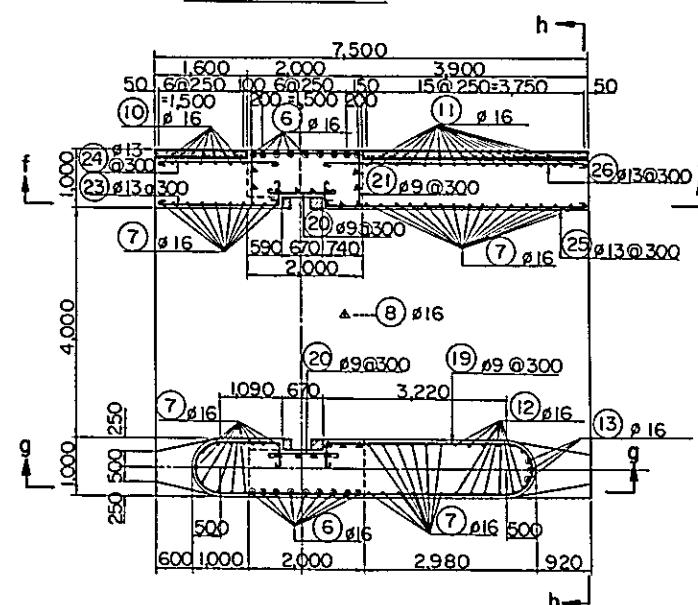
SECTION b-b



SECTION g-g



SECTION d-d



SECTION c-c

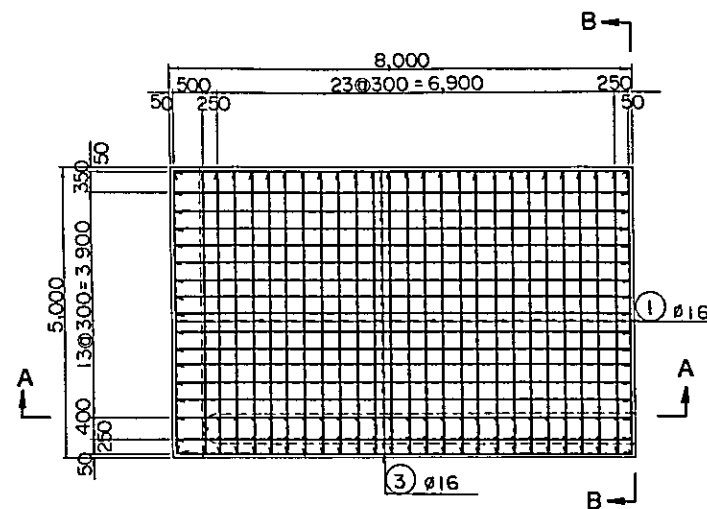
NOTES

- All dimensions are given in millimeters
- See Drawing D-3 for plan and sections
- Unless otherwise shown, place reinforcement so that the clear distance between face of concrete and the nearest reinforcement is 50mm except provide a clear distance of 100mm from face of concrete placed against earth
- Lap all bars 30 diameters at splices.
- All reinforcing steel to be plain bar with standard hook each end in addition to length shown.
- Hook with 180° bends, lengths of 10 bar diameters to be provided where shown.
- Use 10.5 bar diameter radii for bends of main reinforcement at the corner of rigid frame or Rahmen.

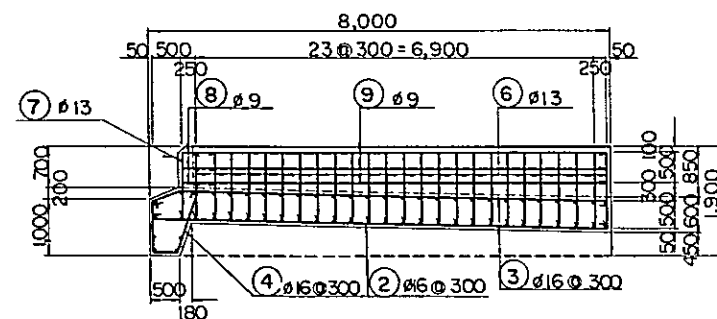
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SCALE OF MILLIMETERS

THE PHILIPPINES RICE AND CORN PRODUCTION COORDINATING COUNCIL			
REGIONAL RICE PRODUCTION CENTER SANMIGUEL - ALANGALANG			
DIVERSION DAM NO. 1 SCOURING SLUICE WAY REINFORCEMENT SHEET (1)			
OVERSEAS TECHNICAL COOPERATION AGENCY GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO.	1 OF 2	DRAWING NO.	D-4

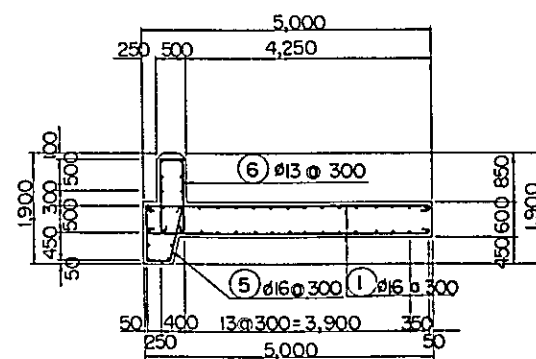
REINFORCEMENT OF FORE APRON



PLAN

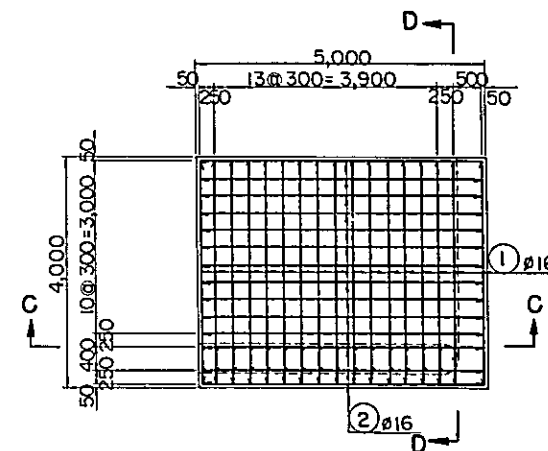


SECTION A-A

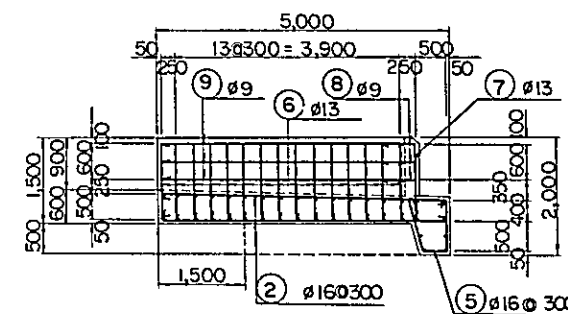


SECTION B-B

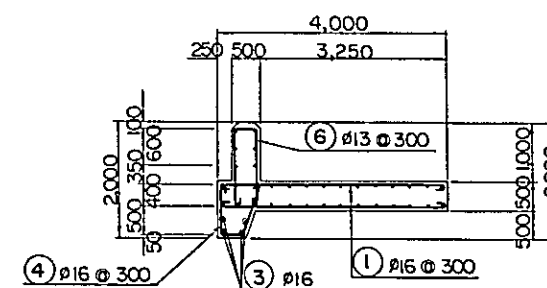
REINFORCEMENT OF REAR APRON



PLAN



SECTION C-C



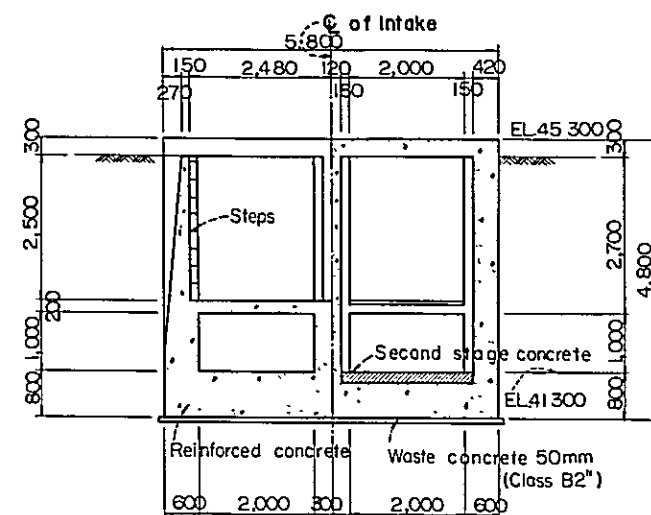
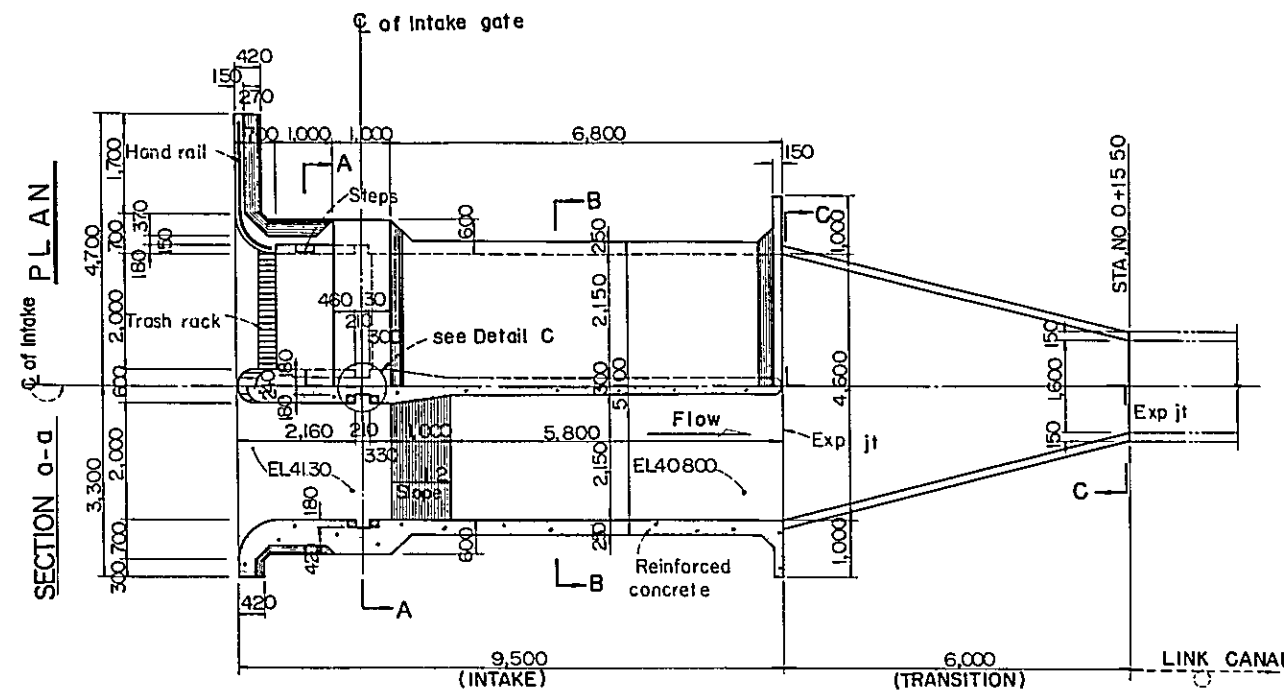
SECTION D-D

NOTES

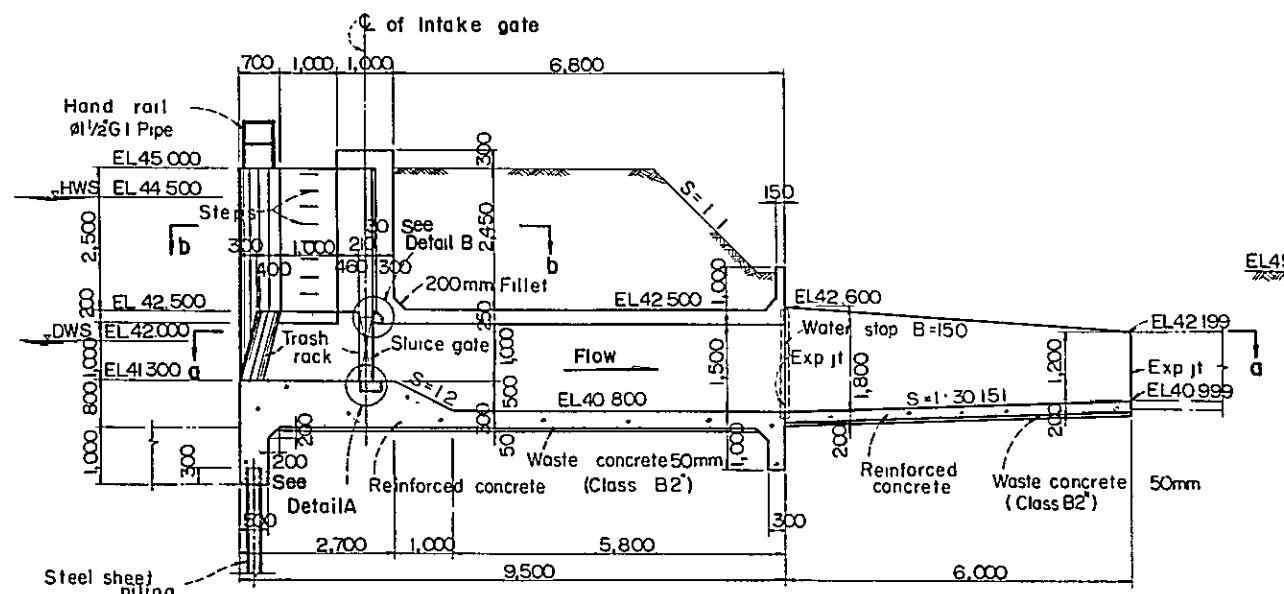
All dimensions are given in millimeters.
See Drawing D-2 for plan and profile
and Drawing D-3 for sections.
Unless otherwise shown, place reinforcement
so that the clear distance between
face of concrete and the nearest
reinforcement is 50mm except provide a
clear distance of 100mm from face of
concrete placed against earth.
Lap all bars 30 diameters at splices.
All reinforcing steel to be plain bar with
standard hook each end in addition to
length shown.
Hook with 180° bends, lengths of 10 bar
diameters to be provided where shown

0 1000 3000 5000
SCALE OF MILLIMETERS

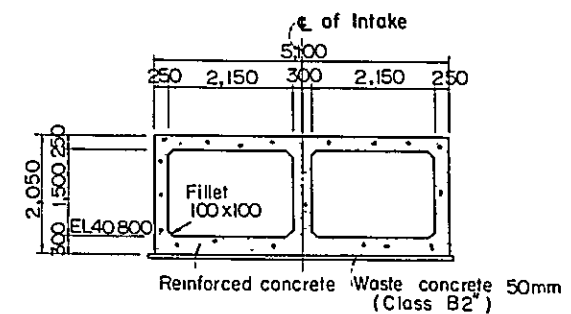
THE PHILIPPINES RICE AND CORN PRODUCTION COORDINATING COUNCIL			
REGIONAL RICE PRODUCTION CENTER SAN MIGUEL - ALANGALANG			
DIVERSION DAM NO. 1 SCOURING SLUICE WAY			
REINFORCEMENT SHEET (2)			
OVERSEAS TECHNICAL COOPERATION AGENCY GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO.	2 OF 2	DRAWING NO.	D-5



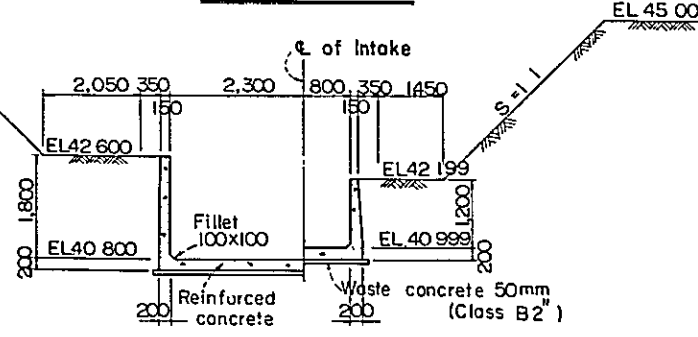
SECTION A-A



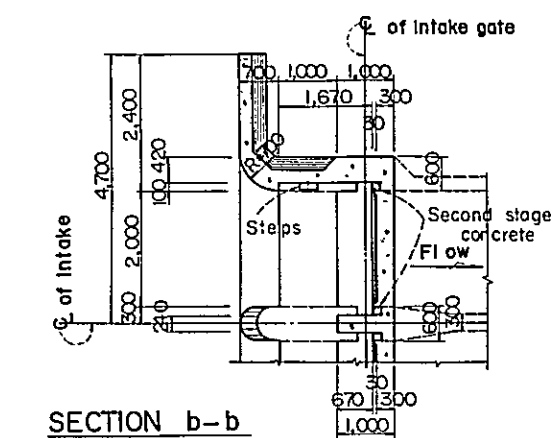
PROFILE



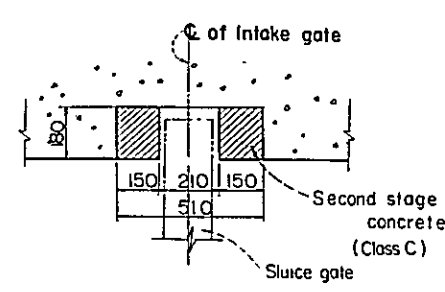
SECTION B-B



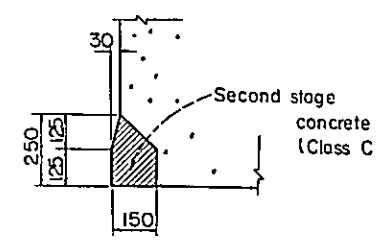
SECTION C-C



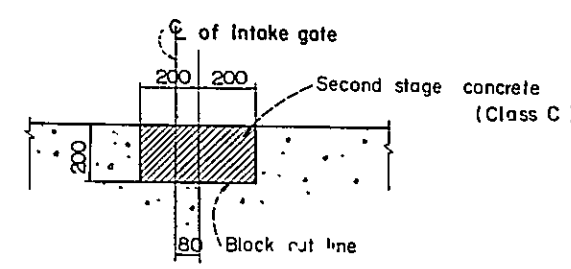
SECTION b-b



DETAIL C



DETAIL B



DETAIL A

NOTES

- All dimensions are given in millimeters
- All stations and elevations are given in meters.
- See Drawing D-7 for reinforcement.
- Concrete design, except precast, based on a compressive strength of 80 kg/cm².
- Chamfer all exposed corners 20mm, unless otherwise shown.
- For strength and aggregate size of concrete, see specifications
- Base of concrete structure to be placed on undisturbed natural foundation or thoroughly compacted fill.
- Class "A" concrete to be placed at all portion, unless otherwise shown.
- Use 250mm rubber water stop
- Provide 10mm ~ 20mm elastic filler in all expansion joints at all concrete contact areas

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SCALE OF MILLIMETERS

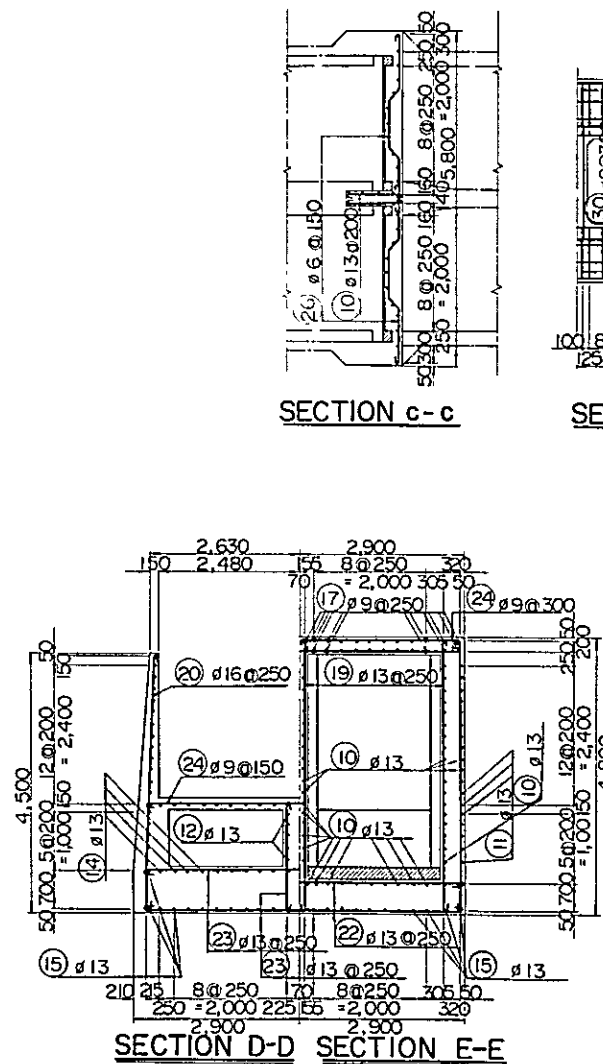
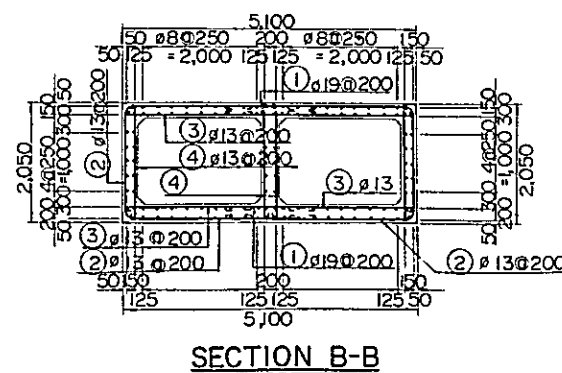
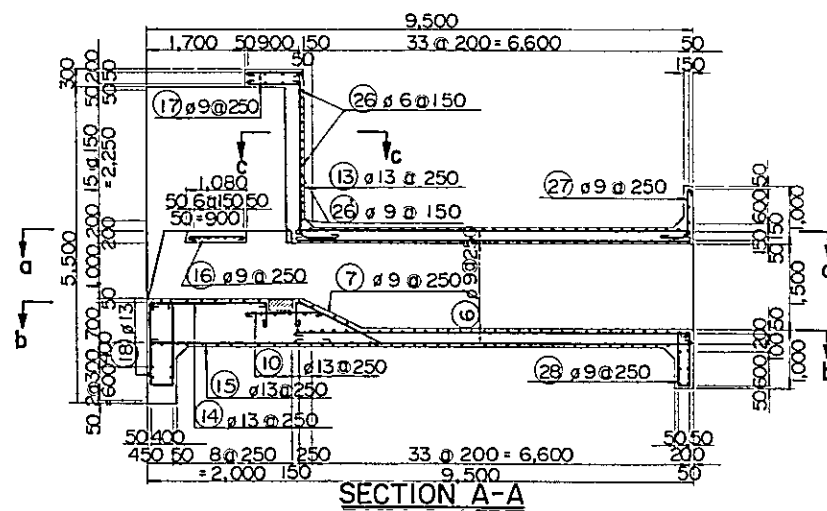
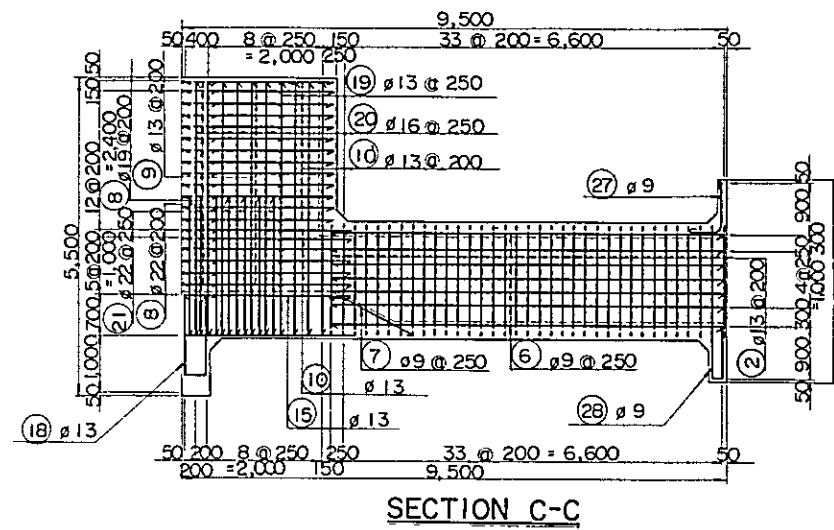
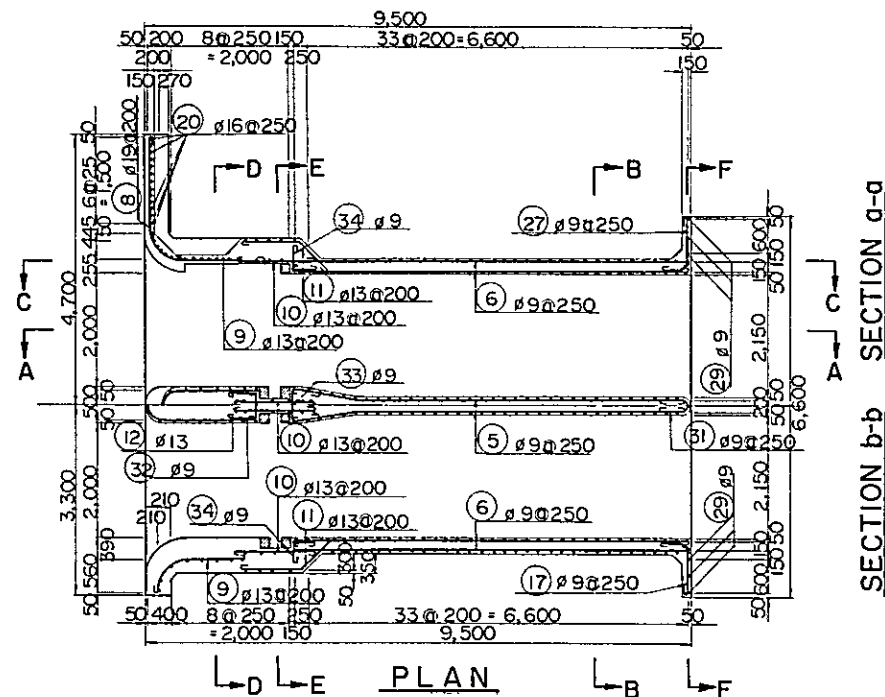
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SCALE OF MILLIMETERS

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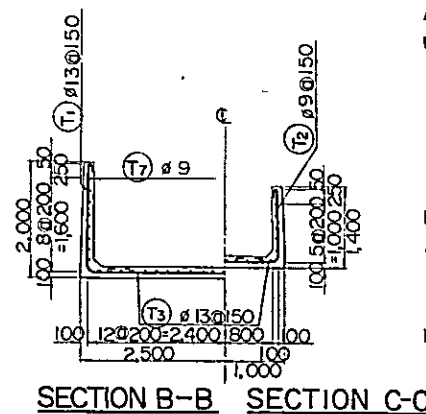
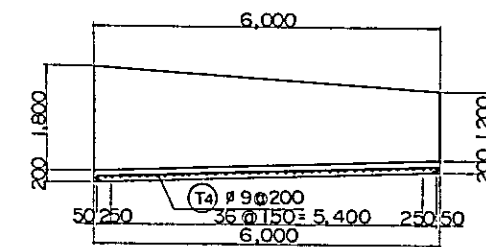
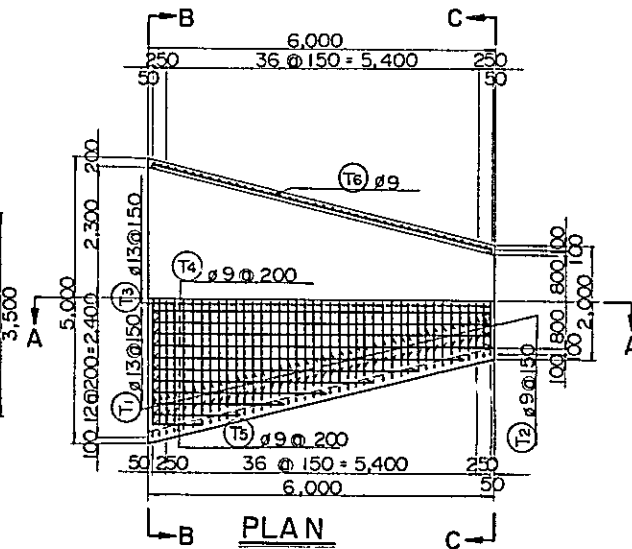
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SCALE OF MILLIMETERS

THE PHILIPPINES RICE AND CORN PRODUCTION COORDINATING COUNCIL		
REGIONAL RICE PRODUCTION CENTER SANMIGUEL- ALANGALANG		
DIVERSION DAM NO.1 INTAKE PLAN, PROFILE AND SECTIONS		
OVERSEAS TECHNICAL COOPERATION AGENCY GOVERNMENT OF JAPAN		
SCALE	AS SHOWN	DATE
SHEET NO.	OF	DRAWING NO. D-6

REINFORCEMENT OF INTAKE



REINFORCEMENT OF TRANSITION

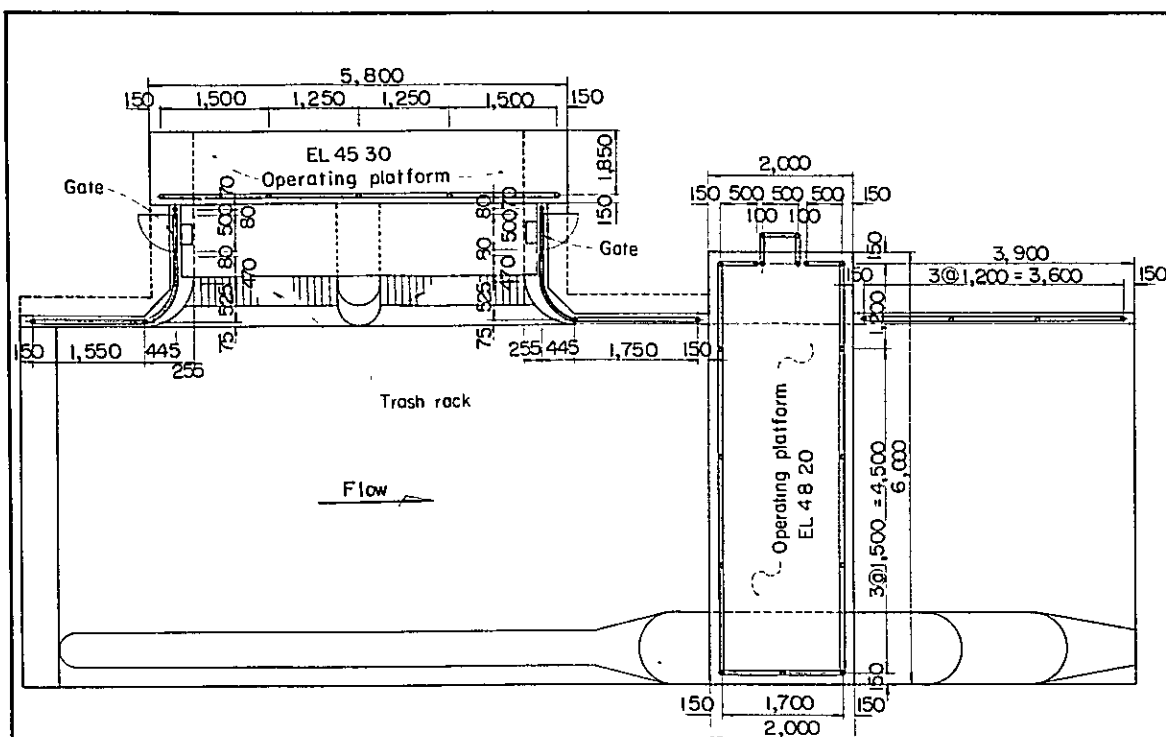


NOTES

- All dimensions are given in millimeters.
- Unless otherwise shown, place reinforcement so that the clear distance between face of concrete and the nearest reinforcement is 50mm except provide a clear distance of 100mm from face of concrete placed against earth.
- Lap all bars 30 diameters at splices.
- All reinforcing steel to be plain bar with standard hook each end in addition to length shown.
- Hook with 180° bends, lengths of 10 bar diameters to be provided where shown.
- Use 10.5 bar diameter radii for bends of main reinforcement at the corner of rigid frame or Rahmen.
- See Drawing D-6 for plan and profile.

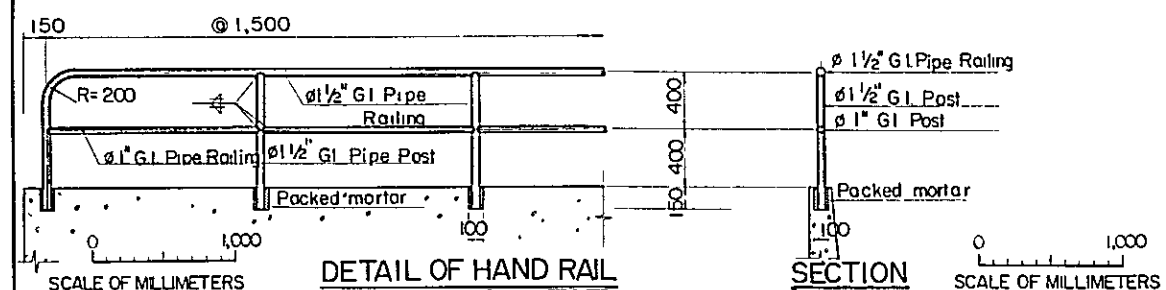
0 1,000 3,000 5,000
SCALE OF MILLIMETERS

THE PHILIPPINES RICE AND CORN PRODUCTION COORDINATING COUNCIL			
REGIONAL RICE PRODUCTION CENTER - SANMIGUEL - ALANGALANG			
DIVERSION DAM NO. 1 INTAKE REINFORCEMENT SHEET			
OVERSEAS TECHNICAL COOPERATION AGENCY GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO.	OF	DRAWING NO.	D-7

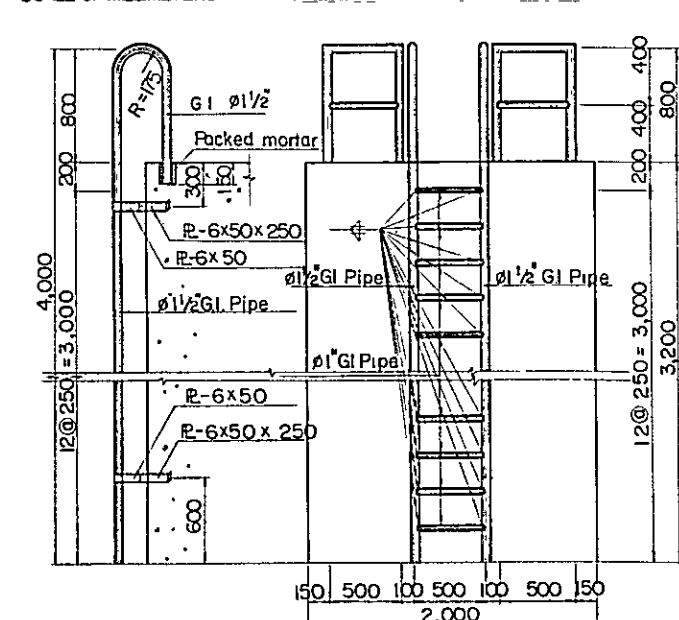


PLAN OF HAND RAIL

0 2000
SCALE OF MILLIMETERS



DETAIL OF HAND RAIL

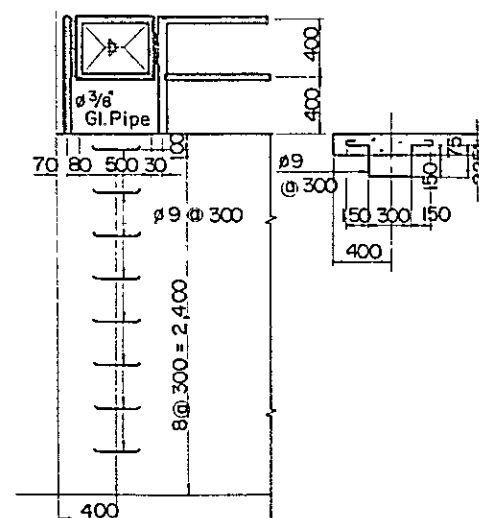


SIDE VIEW OF STAIR

0 1000
SCALE OF MILLIMETERS

FRONT VIEW OF STAIR

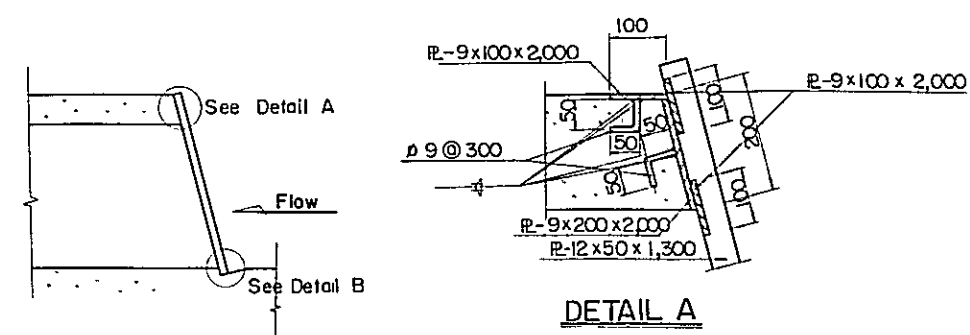
0 1000
SCALE OF MILLIMETERS



FRONT VIEW OF STEP AND GATE

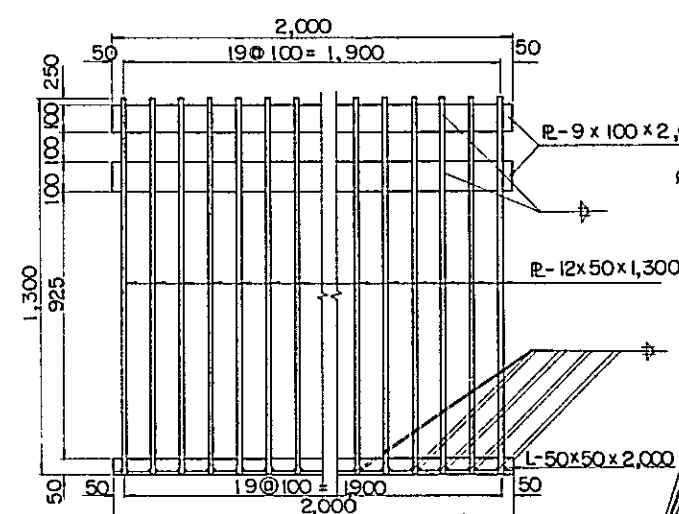
0 1000
SCALE OF MILLIMETERS

TRASH RACK



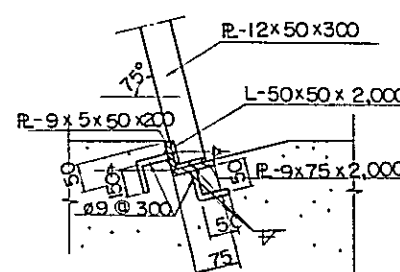
PROFILE

0 1000
SCALE OF MILLIMETERS



FRONT VIEW OF TRASH RACK

0 500
SCALE OF MILLIMETERS

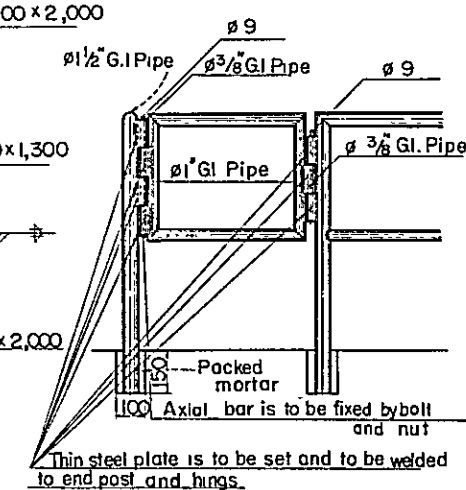


DETAIL B

0 250
SCALE OF MILLIMETERS

DETAIL A

0 250
SCALE OF MILLIMETERS



DETAIL OF GATE

0 500
SCALE OF MILLIMETERS

NOTES

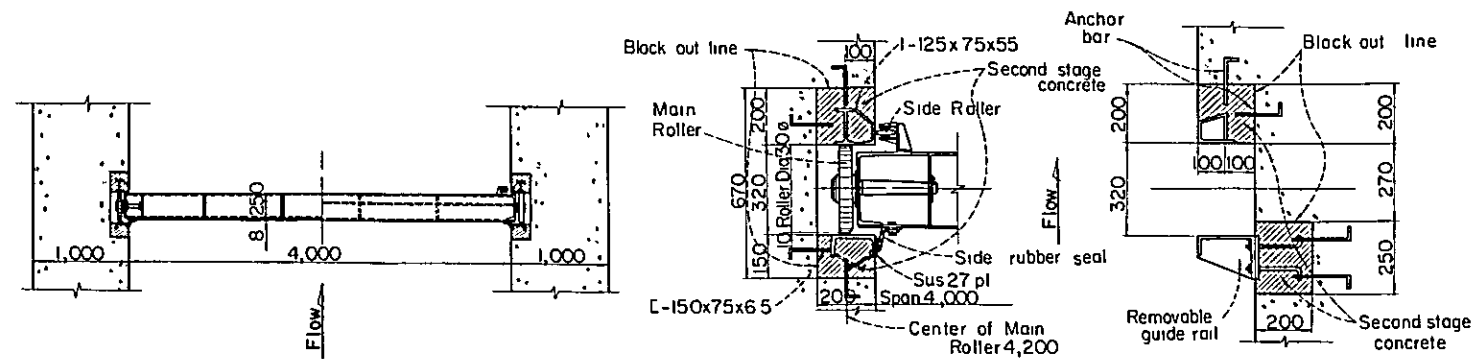
- All dimensions are given in millimeters.
- All welds to be full penetration continuous and smooth.
- Non-corrosive studs and nuts.

EXPLANATIONS

- /F; Edge-fillet welds.
- /V; Single-V butt joint welds both side.

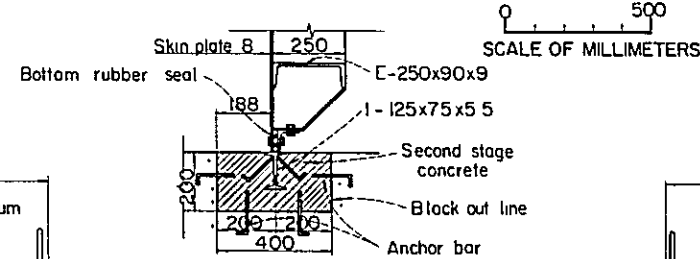
THE PHILIPPINES			
RICE AND CORN PRODUCTION COORDINATING COUNCIL			
REGIONAL RICE PRODUCTION CENTER			
SAN MIGUEL - ALANGAL ANG			
DIVERSION DAM NO. 1			
DETAILS OF HAND RAIL			
AND TRASH RACK			
OVERSEAS TECHNICAL COOPERATION AGENCY			
GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO.	OF	DRAWING NO.	D - 8

SCOURING SLUICE WAY GATE



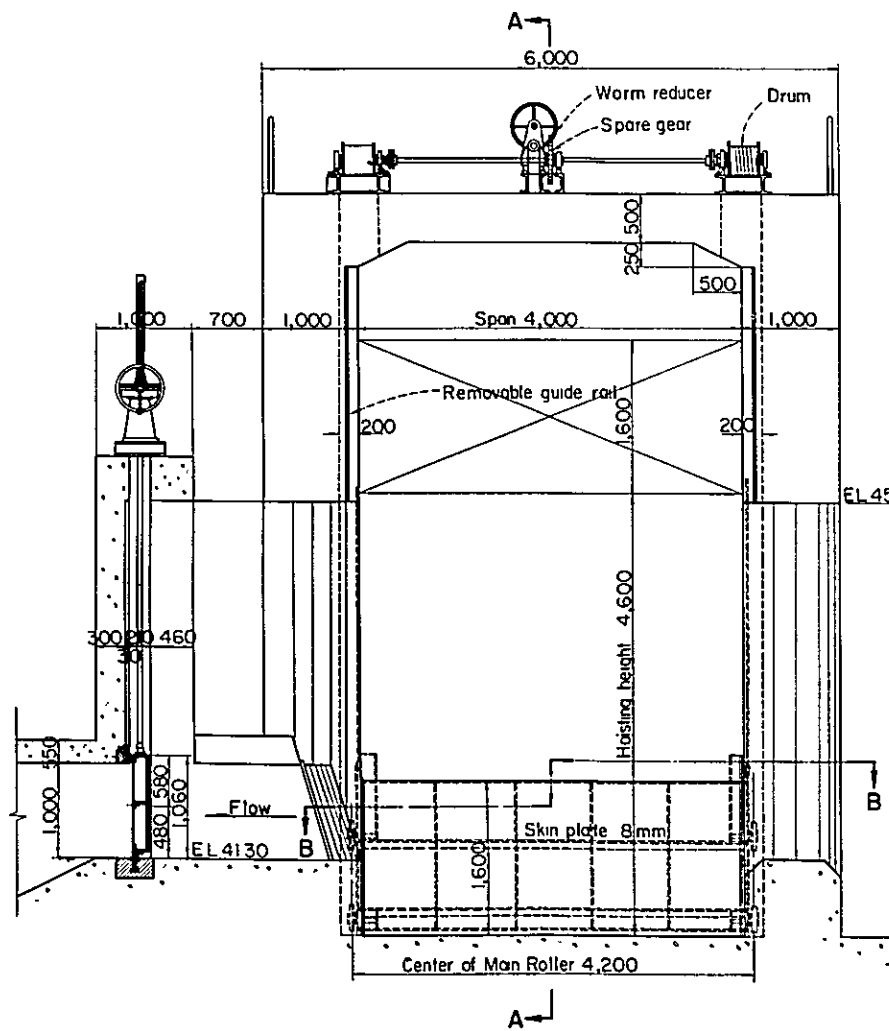
SECTION B-B

DETAIL OF SIDE SEAL

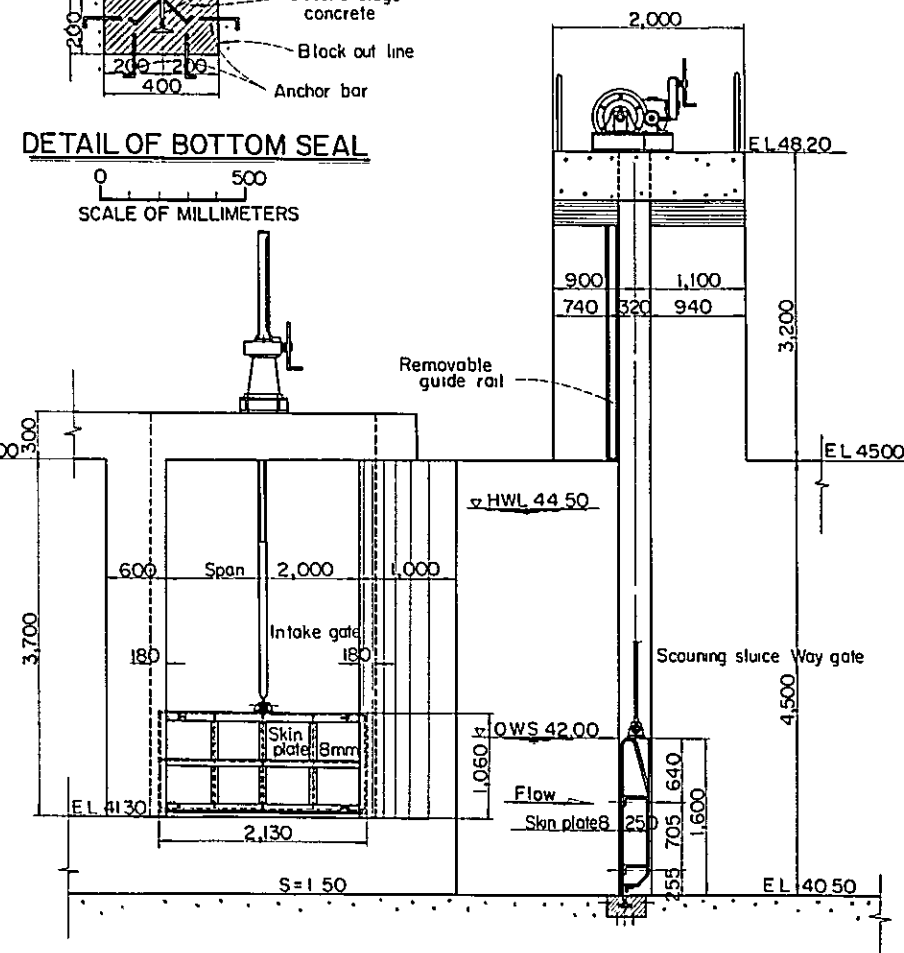


DETAIL OF BOTTOM SEAL

SCALE OF MILLIMETERS

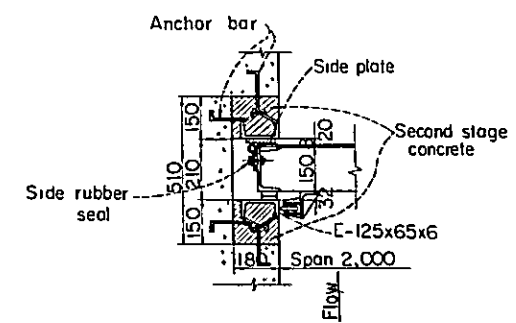


FRONT VIEW OF SLUICE WAY GATE



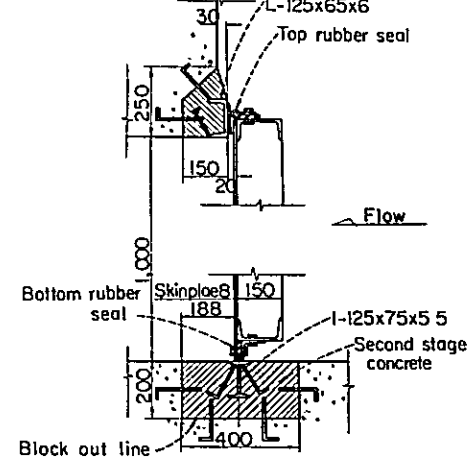
SECTION A-A

INTAKE GATE



DETAIL OF SIDE SEAL

SCALE OF MILLIMETERS



DETAIL OF TOP AND BOTTOM SEAL

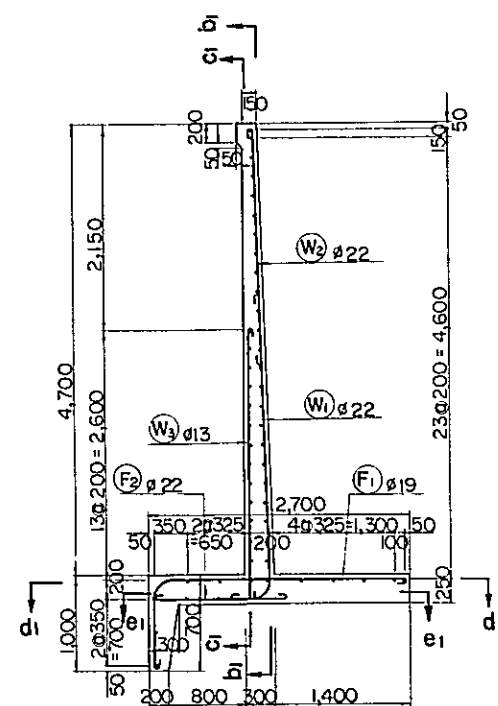
SCALE OF MILLIMETERS

NOTES

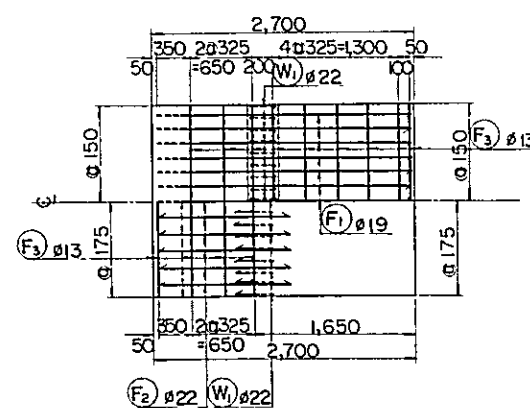
All dimensions are given in millimeters
All stations and elevations are given in meters
All welds to be full penetration continuous and smooth
Welding H-beam and etc. shown in this drawing may be substituted by H-beam and etc with adequate market size.

SCALE OF MILLIMETERS

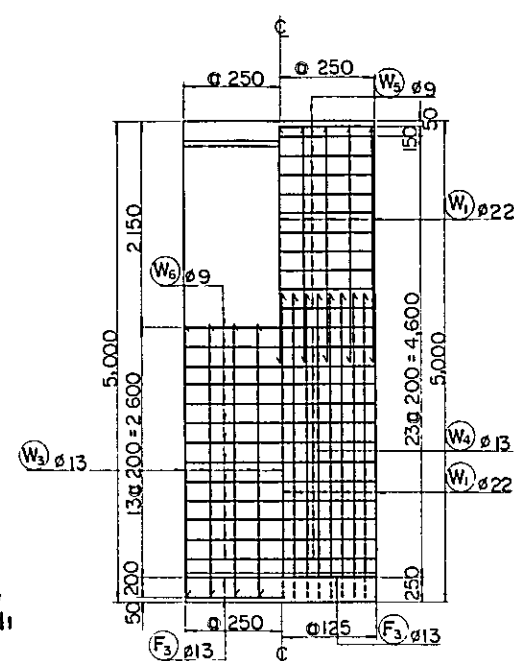
THE PHILIPPINES RICE AND CORN PRODUCTION COORDINATING COUNCIL			
REGIONAL RICE PRODUCTION CENTER SANMIGUEL - ALANGALANG			
DIVERSION DAM NO. 1 INSTALL ASSEMBLY OF GATES			
OVERSEAS TECHNICAL COOPERATION AGENCY GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO.	OF	DRAWING NO.	D-9



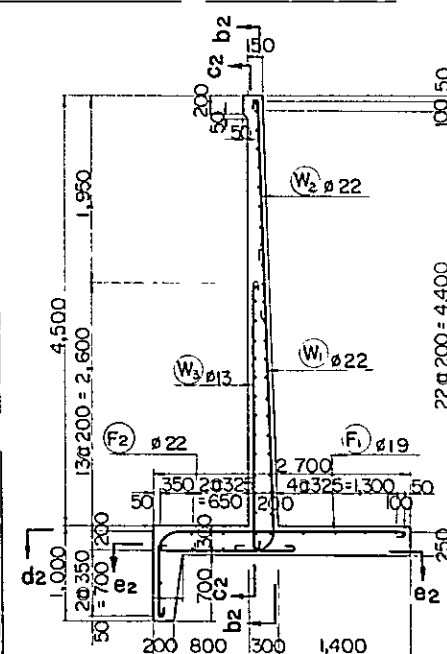
SECTION A1-A1



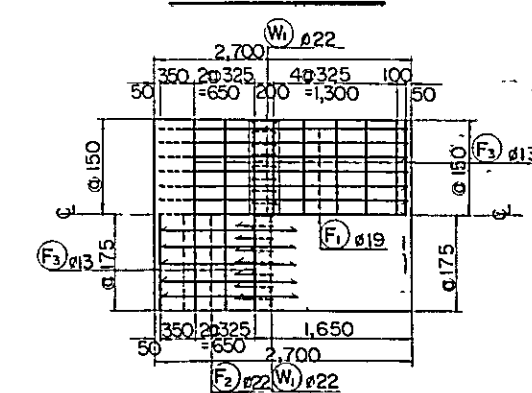
SECTION e1-e1



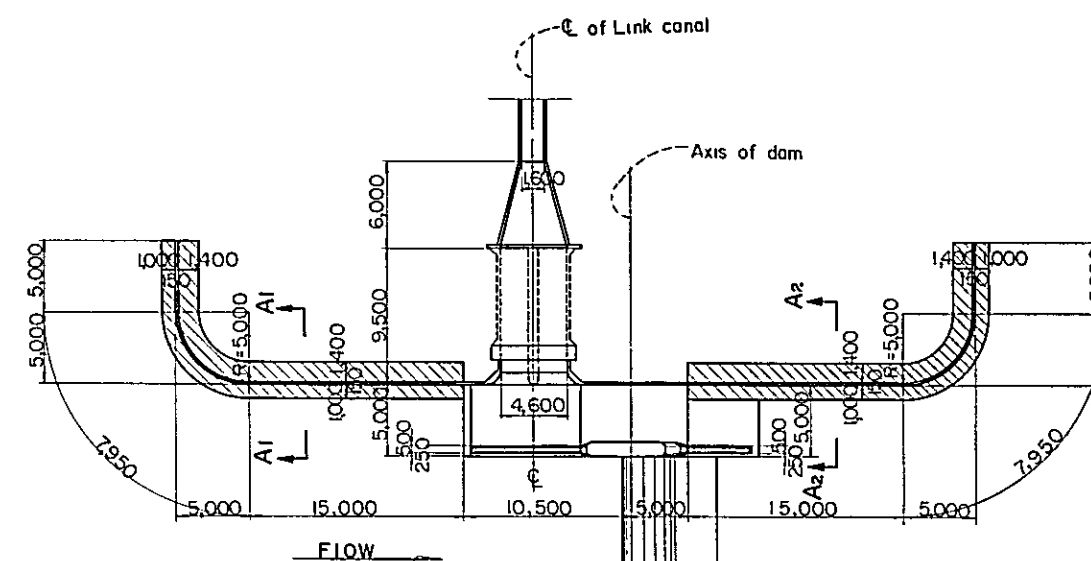
SECTION c1-c1



SECTION A2-A2



SECTION e2-e2



KEY PLAN

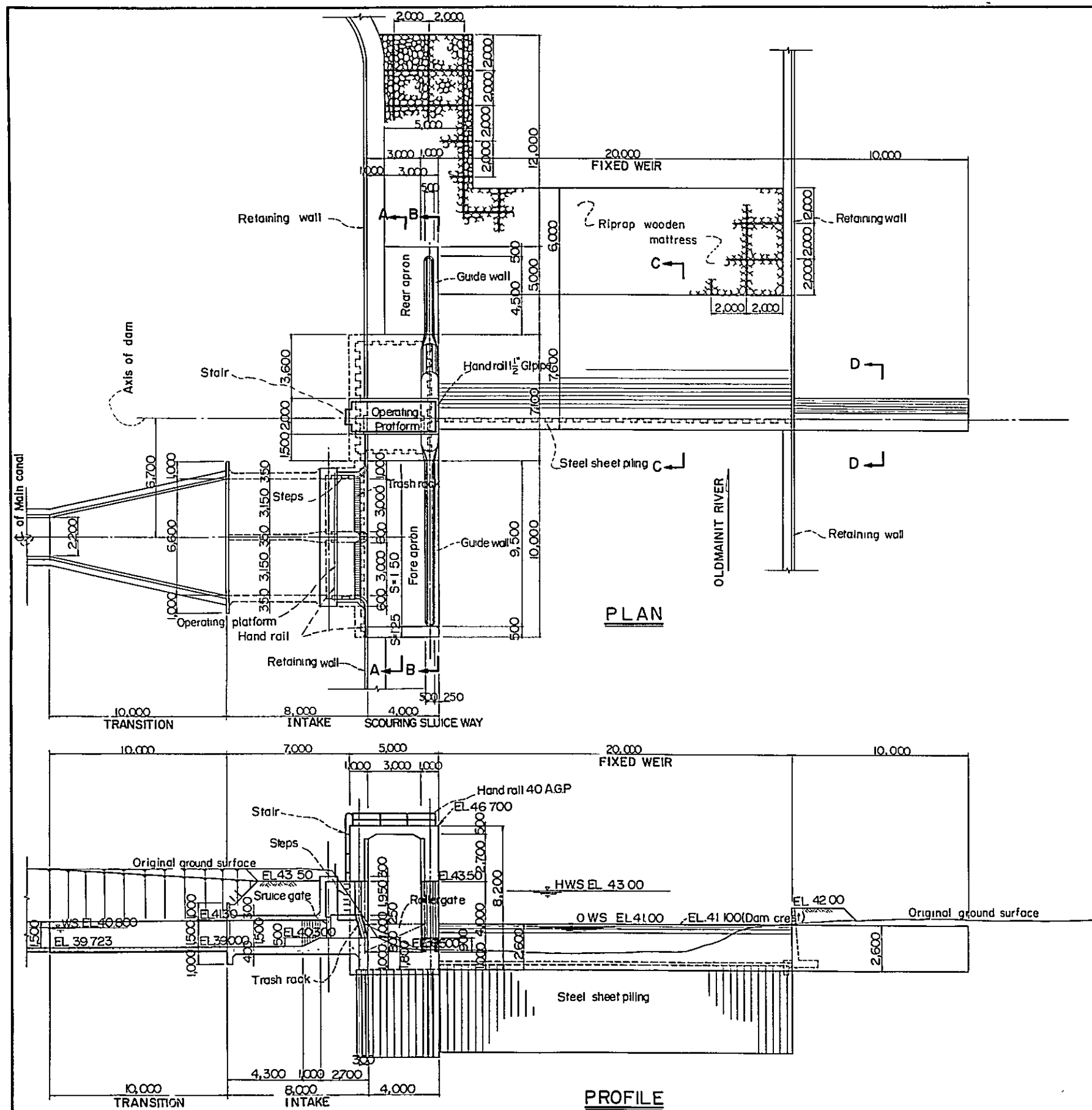
0 10,000
SCALE OF MILLIMETERS

NOTES

- All dimensions are given in millimeters
- Reinforcements in the hatched portion are shown in this sheet
- Concrete design, except precast, based on a compressive strength of 80 kg/cm²
- Chamfer all exposed corners 20mm, unless otherwise shown
- For strength and aggregate size of concrete, see specifications
- Unless otherwise shown, place reinforcement so that the clear distance between face of concrete and the nearest reinforcement is 50mm except provide a clear distance of 100mm from face of concrete placed against earth
- Lap all bars 30 diameters at splices
- All reinforcing steel to be plain bar with standard hook each end in addition to length shown
- Hook with 180° bends, lengths of 10 bar diameters to be provided where shown
- Base of concrete structure to be placed on undisturbed natural foundation or thoroughly compacted fill
- Provide 10mm ~ 20mm elastic filler in all expansion joints at all concrete contact areas
- Use 10.5 bar diameter radii for bends of main reinforcement at the corner of rigid frame or Rahmen.

0 1000 3,000
SCALE OF MILLIMETERS

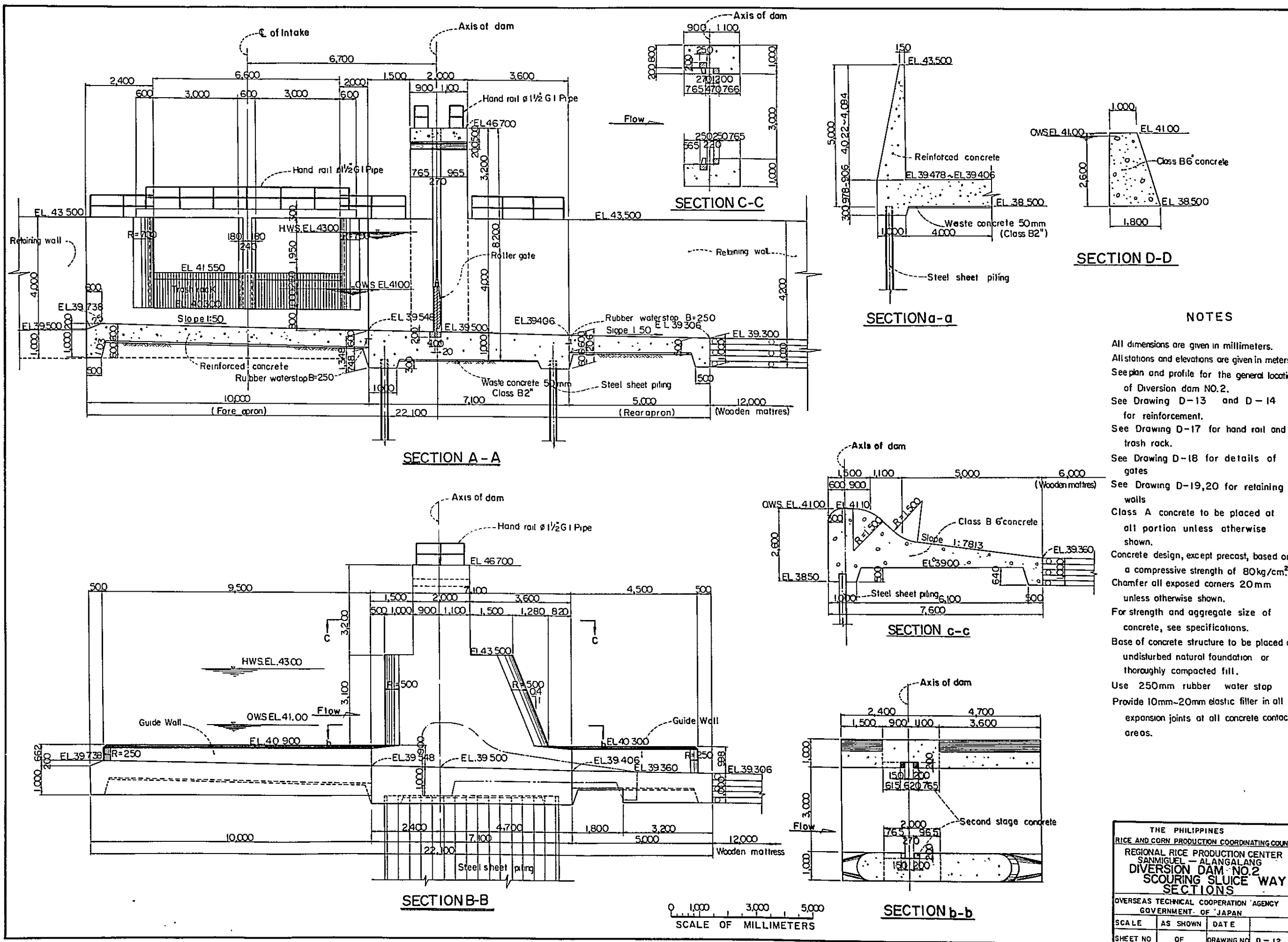
THE PHILIPPINES	
RICE AND CORN PRODUCTION COORDINATING COUNCIL	
REGIONAL RICE PRODUCTION CENTER	
SAN MIGUEL - ALANGALANG	
DIVERSION DAM NO. 1	
RETAINING WALL	
REINFORCEMENT SHEET	
OVERSEAS TECHNICAL COOPERATION AGENCY	
GOVERNMENT OF JAPAN	
SCALE	AS SHOWN DATE
SHEET NO	OF DRAWING NO. D-10

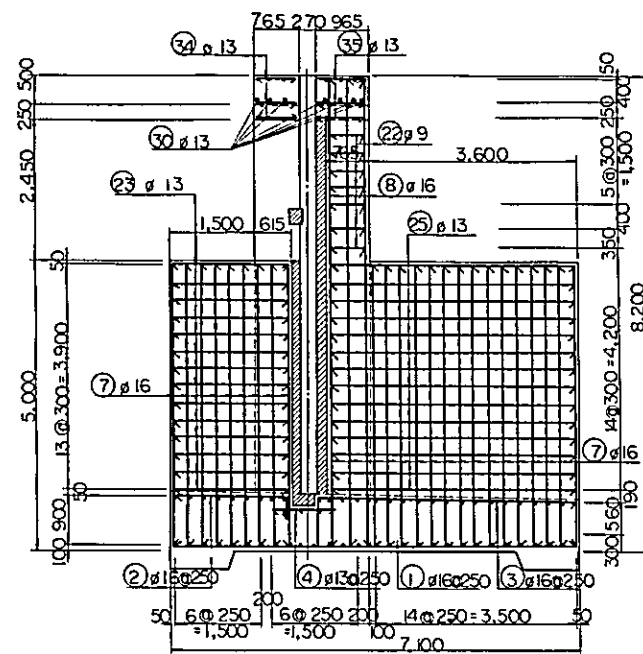


NOTES

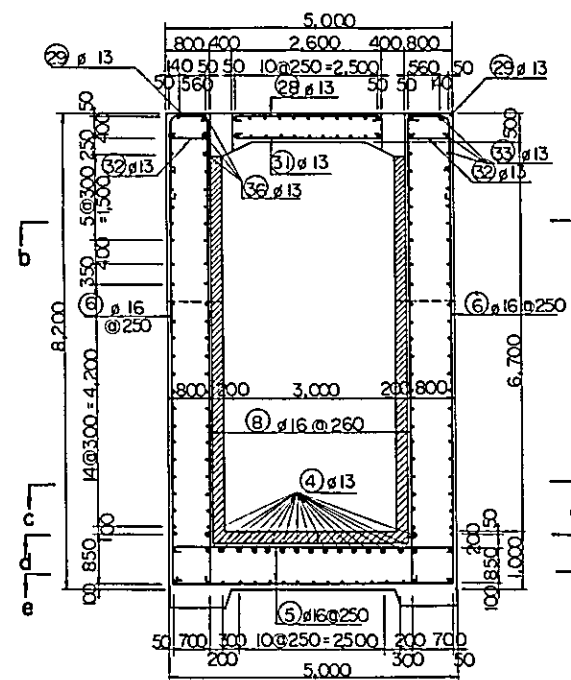
- All dimensions are given in millimeters.
- All stations and elevations are given in meters.
- Concrete design, except precast, based on a compressive strength of 80 kg/cm².
- Chamfer all exposed corners 20 mm, unless otherwise shown.
- For strength and aggregate size of concrete, see specifications.
- Base of concrete structure to be placed on undisturbed natural foundation or thoroughly compacted fill.
- Class "A" concrete to be placed at all portion unless otherwise shown.
- See Drawing D-12 for sections of scouring sluiceway and weir.
- See Drawing D-15 for sections of intake.
- See Drawing D-18 for details of gate.
- See Drawing D-17 for hand rail, stair and trash rack.
- See Drawing D-19 and D-20 for retaining wall.
- Ordinary flood anticipated once in about 10 years and elevation for ordinary floods are calculated on crest of dam at EL. 41.10.

THE PHILIPPINES			
RICE AND CORN PRODUCTION COORDINATING COUNCIL			
REGIONAL RICE PRODUCTION CENTER			
SAN MIGUEL - ALANGALANG			
DIVERSION DAM NO. 2			
PLAN AND PROFILE			
OVERSEAS TECHNICAL COOPERATION AGENCY			
GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO.	OF	DRAWING NO.	D - 11

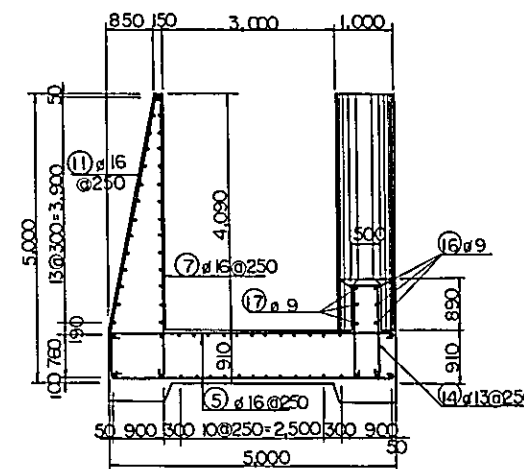




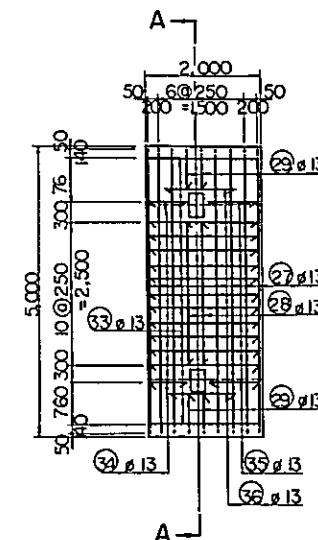
SECTION f-f



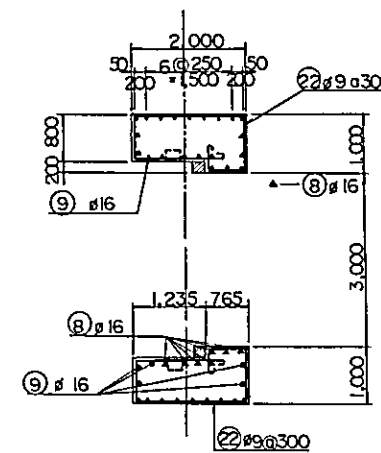
SECTION A-A



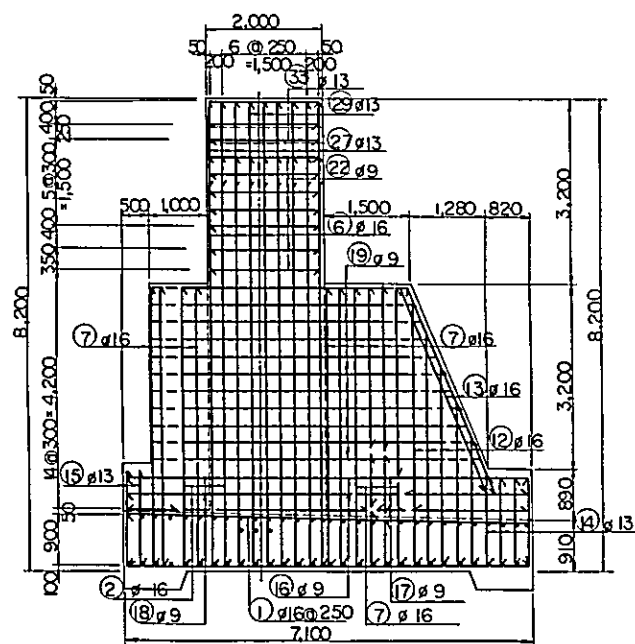
SECTION h-h



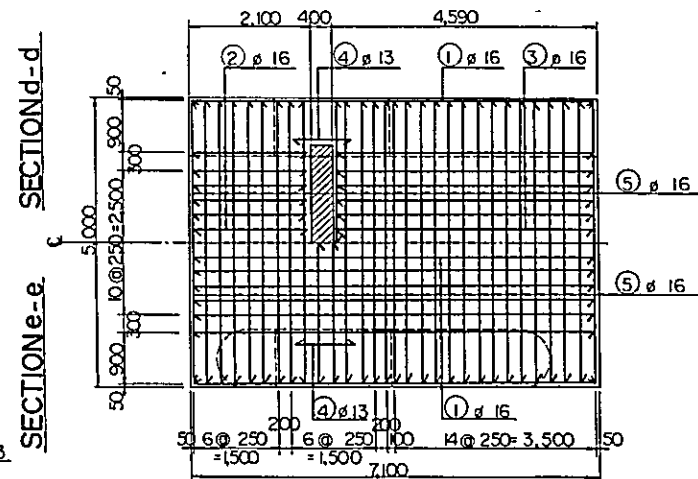
PLAN



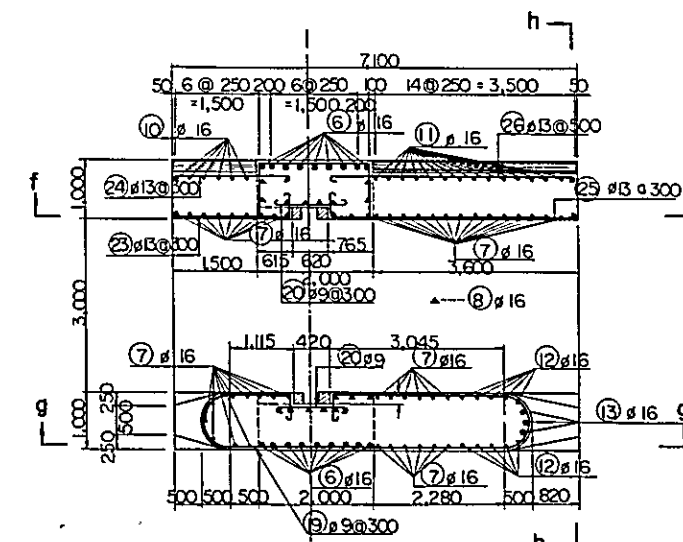
SECTION b-b



SECTION g-g



SECTION d-d



SECTION C-C

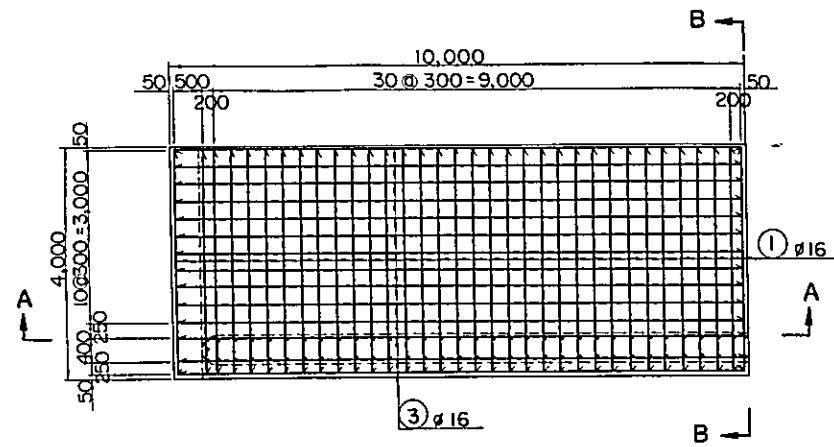
NOTES

- All dimensions are given in millimeters.
- All stations and elevations are given in meters.
- See Drawing D-12 for plan and profile.
- Unless otherwise shown, place reinforcement so that the clear distance between face of concrete and the nearest reinforcement is 50mm except provide a clear distance of 100mm from face of concrete placed against earth.
- Lap all bars 30 diameters at splices.
- All reinforcing steel to be plain bar with standard hook each end in addition to length shown.
- Hook with 180° bends, lengths of 10 bar diameters to be provided where shown.
- Use 10.5 bar diameter radii for bends of main reinforcement at the corner of rigid frame or Rahmen.

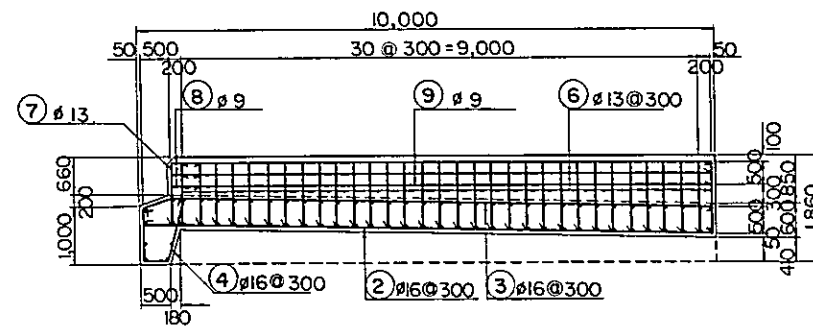
<p>THE PHILIPPINES RICE AND CORN PRODUCTION COORDINATING COUNCIL REGIONAL RICE PRODUCTION CENTER - SANMIGUEL - ALANGALANG DIVERSION DAM NO. 2 SCOURING SLUICE WAY REINFORCEMENT SHEET (1) OVERSEAS TECHNICAL COOPERATION AGENCY GOVERNMENT OF JAPAN</p>			
SCALE	AS SHOWN	DATE	
SHEET NO.	1 OF 2	DRAWING NO.	D-13

SCALE OF MILLIMETERS

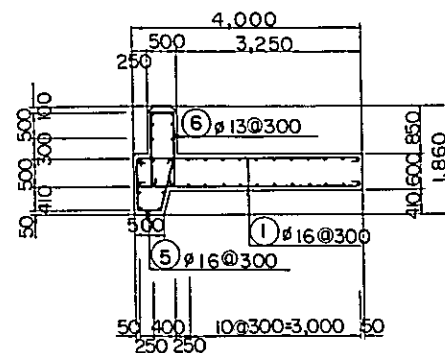
REINFORCEMENT OF FORE APRON



PLAN

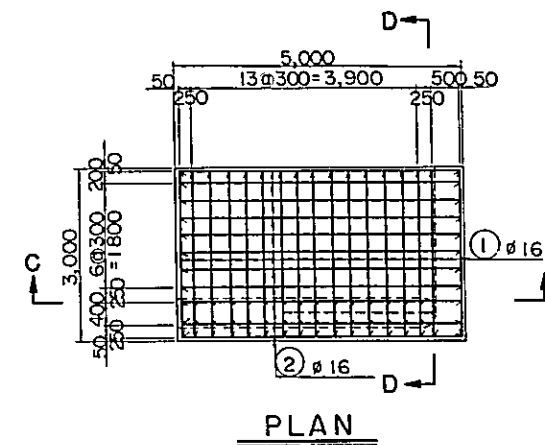


SECTION A-A

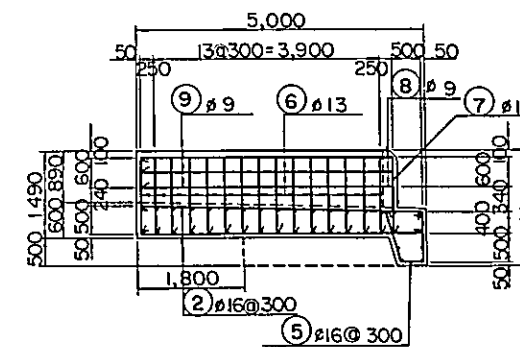


SECTION B-B

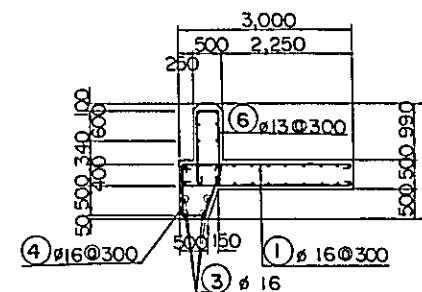
REINFORCEMENT OF REAR APRON



PLAN



SECTION C-C



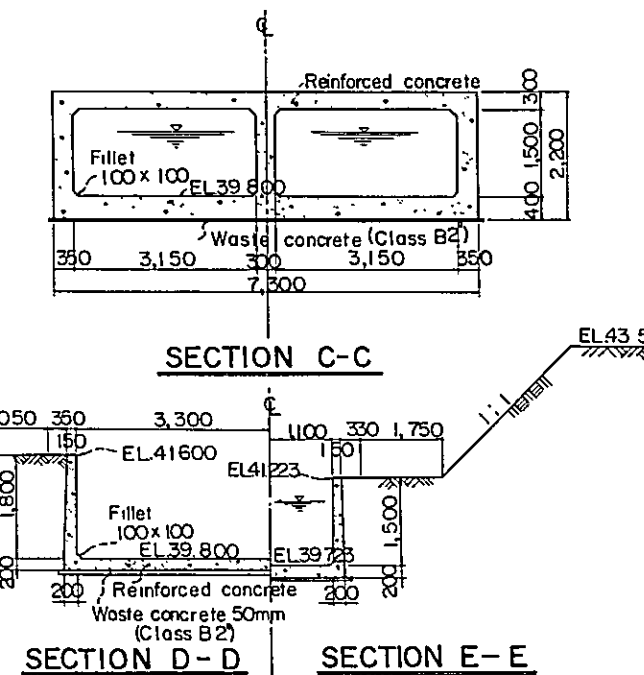
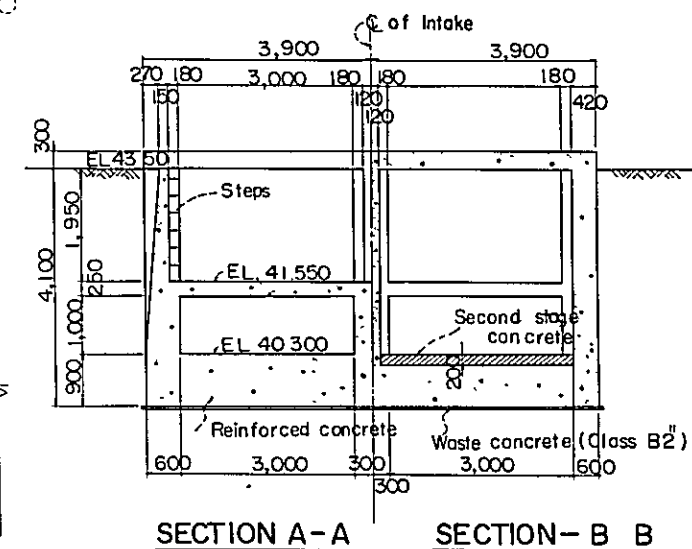
SECTION D-D

NOTES

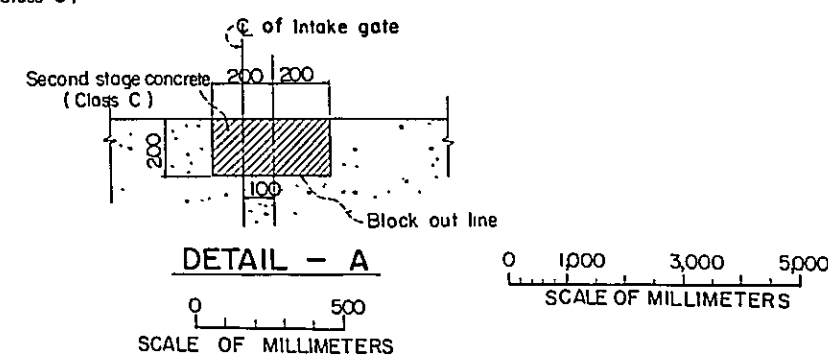
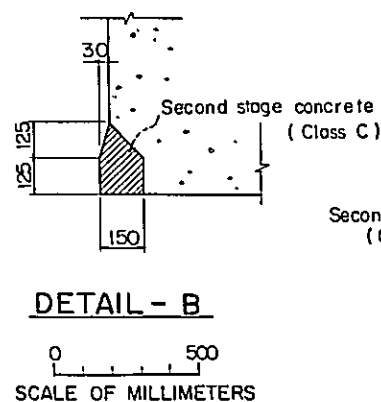
All dimensions are given in millimeters.
See Drawing D-11 for plan and profile and Drawing D-12 for sections.
Unless otherwise shown, place reinforcement so that the clear distance between face of concrete and the nearest reinforcement is 50mm except provide a clear distance of 100mm from face of concrete placed against earth.
Lap all bars 30 diameters at splices.
All reinforcing steel to be plain bar with standard hook each end in addition to length shown.
Hook with 180° bends, lengths of 10 bar diameters to be provided where shown.

0 1,000 3,000 5,000
SCALE OF MILLIMETERS

THE PHILIPPINES			
RICE AND CORN PRODUCTION COORDINATING COUNCIL			
REGIONAL RICE PRODUCTION CENTER			
SANMIGUEL - ALANGALANG			
DIVERSION DAM NO. 2			
SCOURING SLUICE WAY			
REINFORCEMENT SHEET (2)			
OVERSEAS TECHNICAL COOPERATION AGENCY			
GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO	2 OF 2	DRAWING NO	D-14

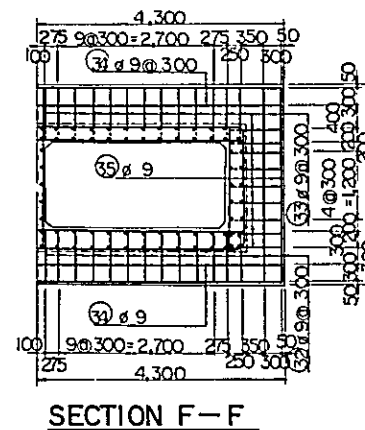
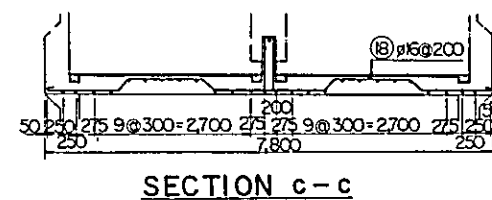
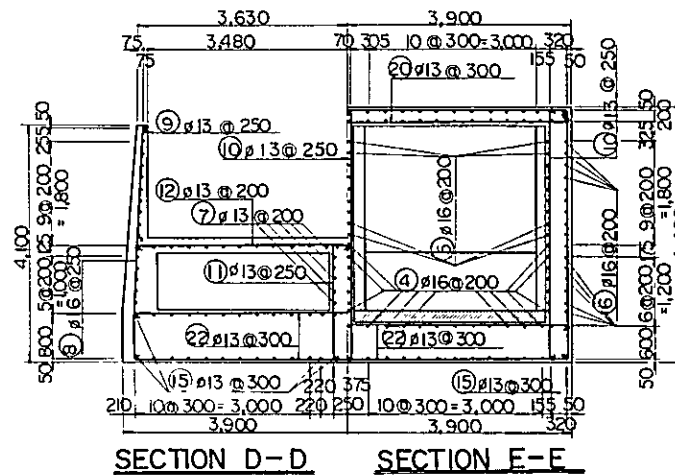
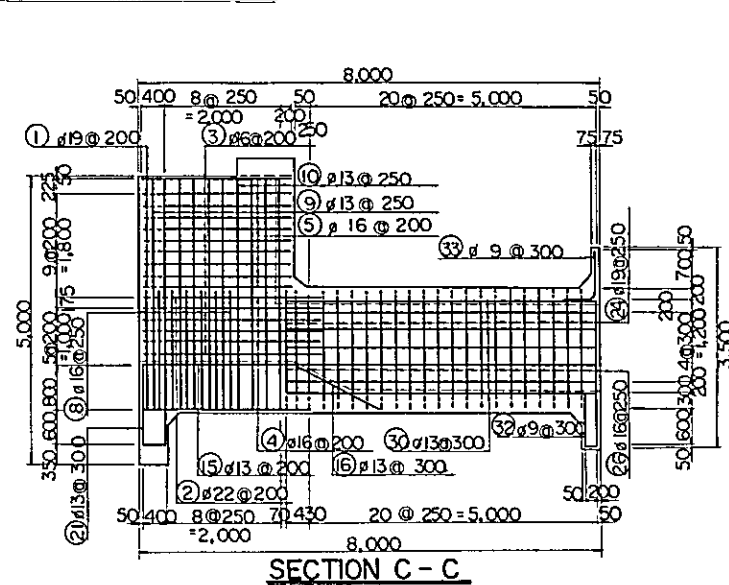
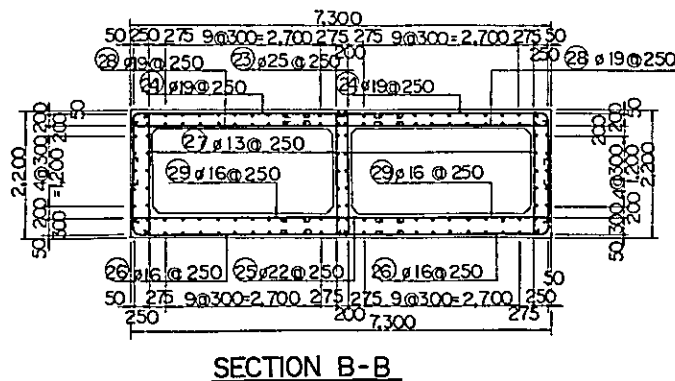
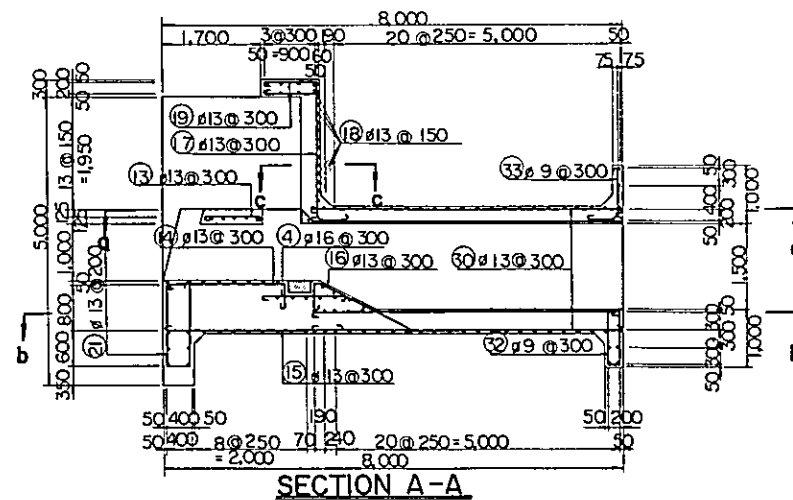
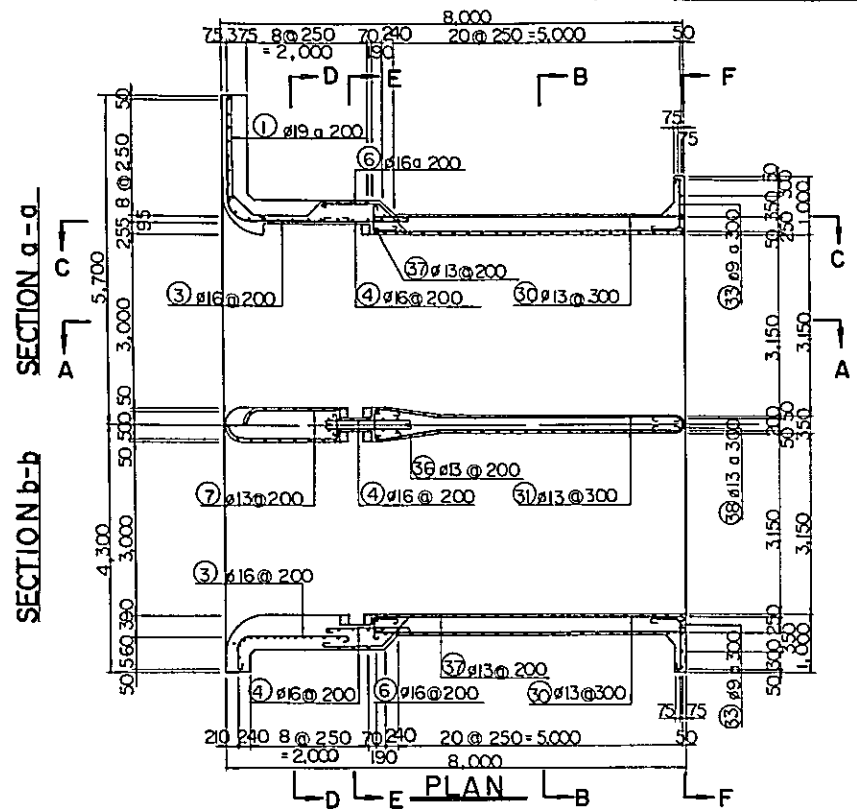


All dimensions are given in millimeters.
All stations and elevations are given in meters.
Concrete design, except precast, based on
a compressive strength of 80 kg/cm².
Chamfer all exposed corners 20 mm,
unless otherwise shown.
For strength and aggregate size of
concrete, see specifications.
Base of concrete structure to be placed on
undisturbed natural foundation or
thoroughly compacted fill.
Use 250 mm rubber water stop.
Provide 10 mm-20 mm elastic filler in all
expansion joints at all concrete contact
areas.
Class 'A' concrete to be placed at all portion
unless otherwise shown.
See Drawing D-II for the general location
of intake
See Drawing D-16 for reinforcement

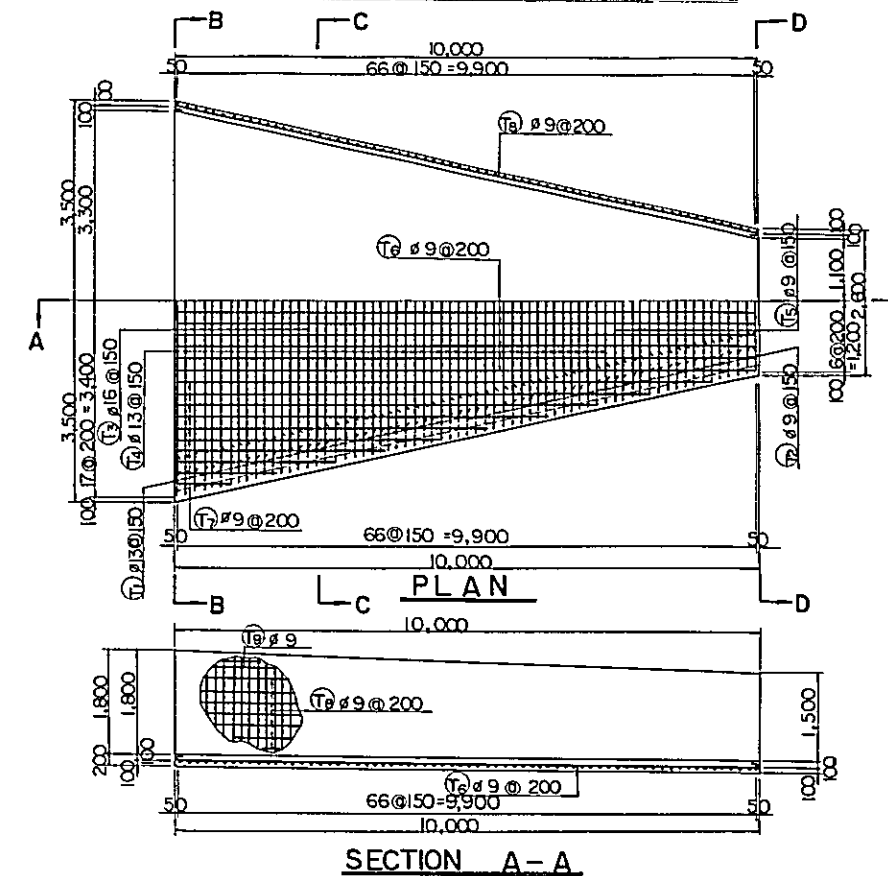


THE PHILIPPINES			
RICE AND CORN PRODUCTION COORDINATING COUNCIL			
REGIONAL RICE PRODUCTION CENTER			
SANMIGUEL - ALANGALANG			
DIVERSION DAM NO.2 INTAKE			
PLAN, PROFILE AND SECTIONS			
OVERSEAS TECHNICAL COOPERATION AGENCY			
GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO	OF	DRAWING NO	D - 15

REINFORCEMENT OF INTAKE

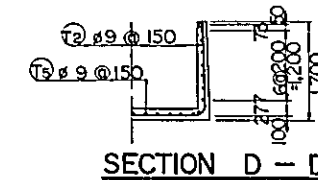
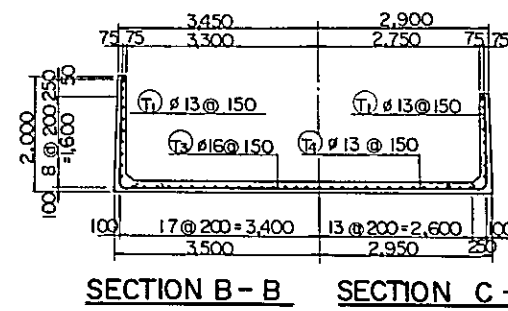


REINFORCEMENT OF TRANSITION



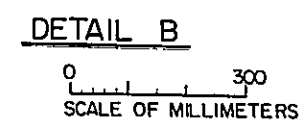
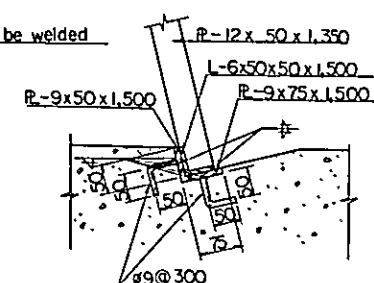
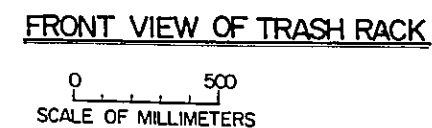
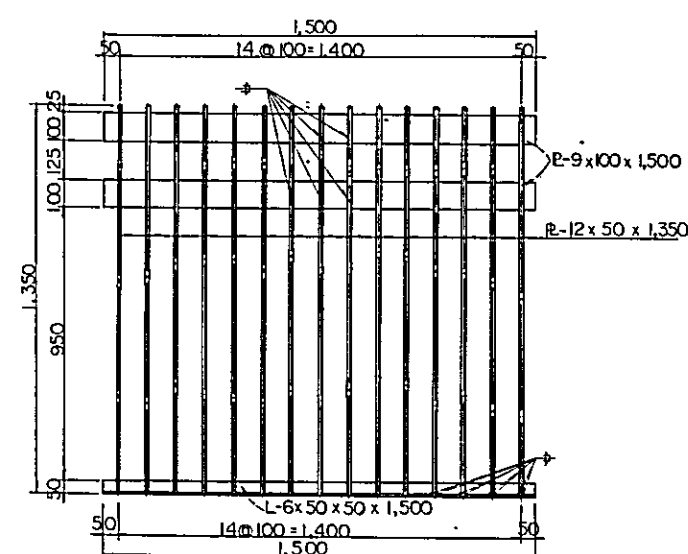
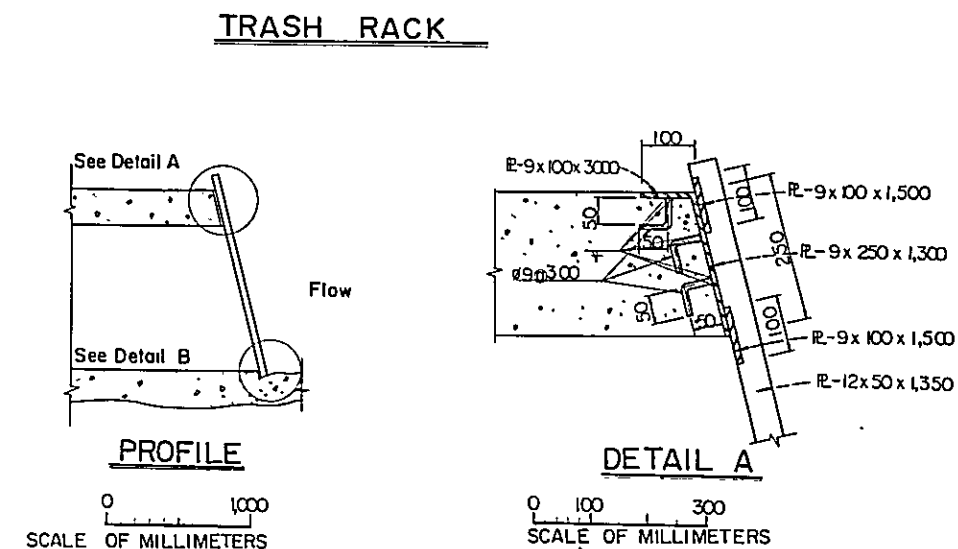
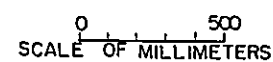
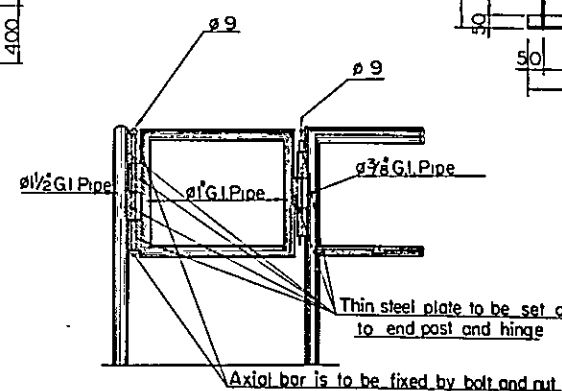
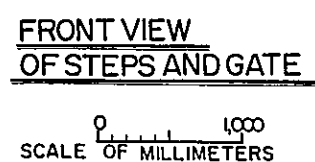
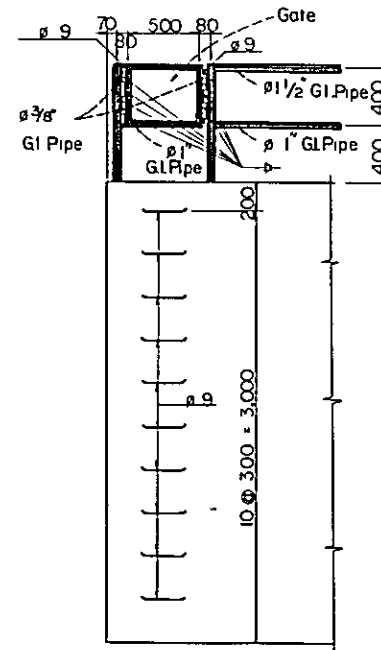
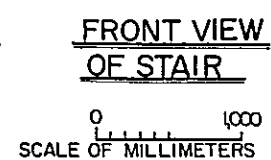
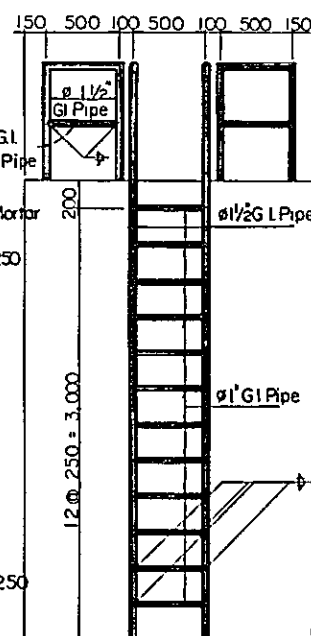
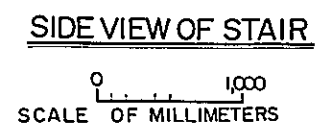
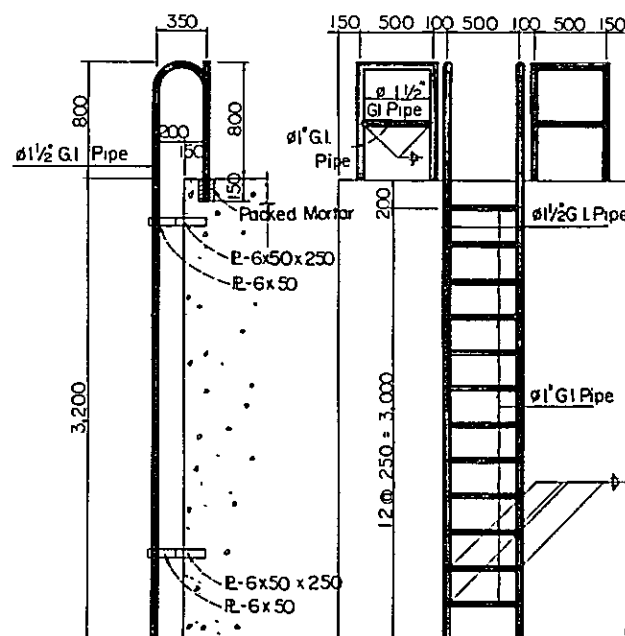
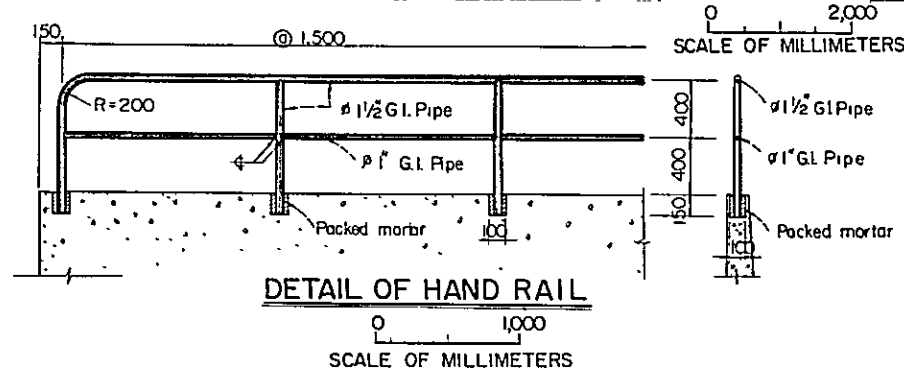
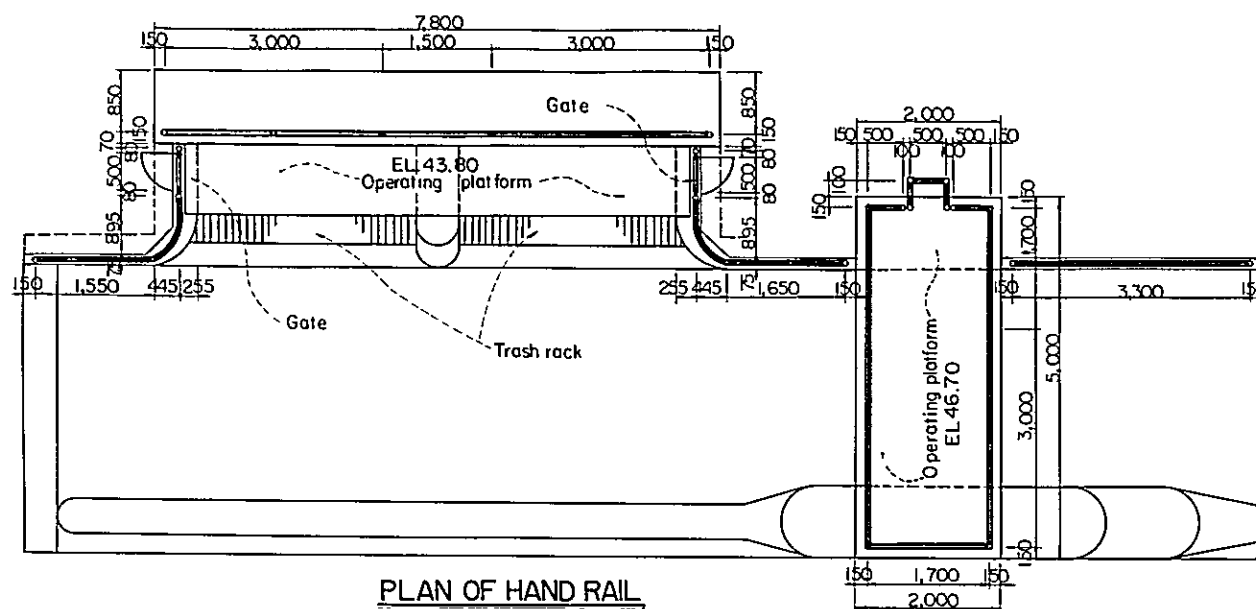
NOTES

- All dimensions are given in millimeters
- See Drawing D-15 for plan and profile.
- Unless otherwise shown, place reinforcement so that the clear distance between face of concrete and the nearest reinforcement is 50mm except provide a clear distance of 100mm from face of concrete placed against earth
- Lap all bars 30 diameters at splices
- All reinforcing steel to be plain bar with standard hook each end in addition to length shown
- Hook with 180° bends, lengths of 10 bar diameters to be provided where shown.
- Use 10.5 bar diameter radii for bends of main reinforcement at the corner of rigid frame or Rahmen.



0 1000 5000
SCALE OF MILLIMETERS


THE PHILIPPINES		
RICE AND CORN PRODUCTION COORDINATING COUNCIL		
REGIONAL RICE PRODUCTION CENTER		
SANMIGUEL - ALANGALANG		
DIVERSION DAM NO. 2 INTAKE		
REINFORCEMENT SHEET		
OVERSEAS TECHNICAL COOPERATION AGENCY		
GOVERNMENT OF JAPAN		
SCALE	AS SHOWN	DATE
SHEET NO	OF	DRAWING NO D-16



NOTES

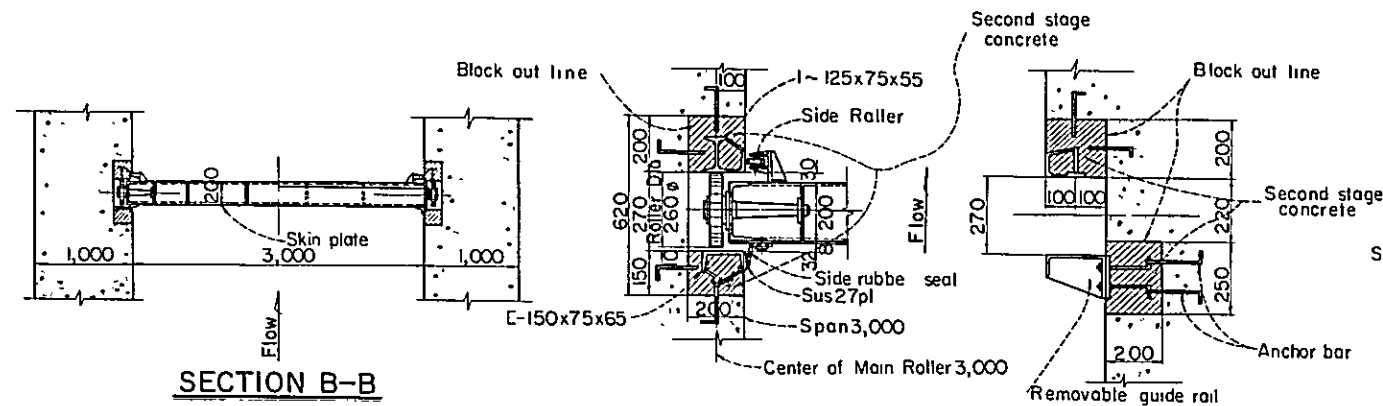
All dimensions are given in millimeters.
All welds to be full penetration continuous
and smooth.
Non-corrosive studs and nuts

EXPLANATIONS

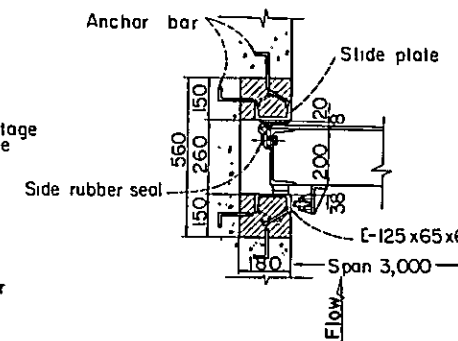
 : Edge-fillet welds.

THE PHILIPPINES			
RICE AND CORN PRODUCTION COORDINATING COUNCIL			
REGIONAL RICE PRODUCTION CENTER			
SANMIGUEL - ALANGALANG			
DIVERSION DAM NO.2			
DETAILS OF HAND RAIL			
AND TRASH RACK			
OVERSEAS TECHNICAL COOPERATION AGENCY			
GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO.	OF	DRAWING NO.	0 - 17

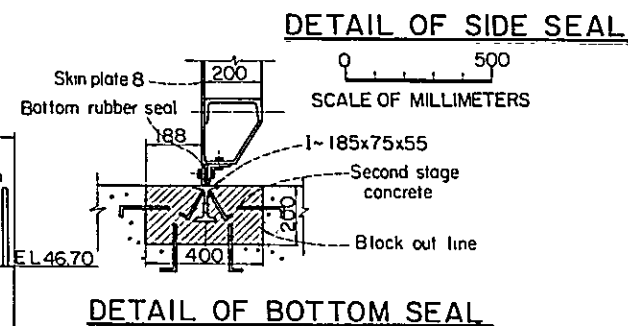
INTAKE GATE



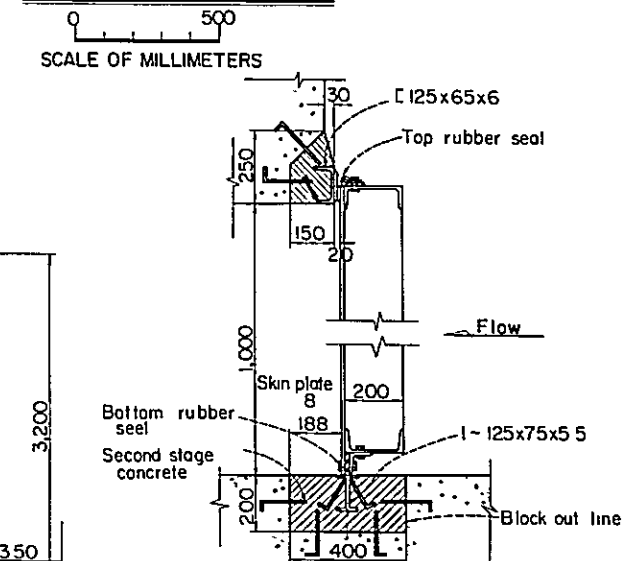
SECTION B-B



DETAIL OF SIDE SEAL

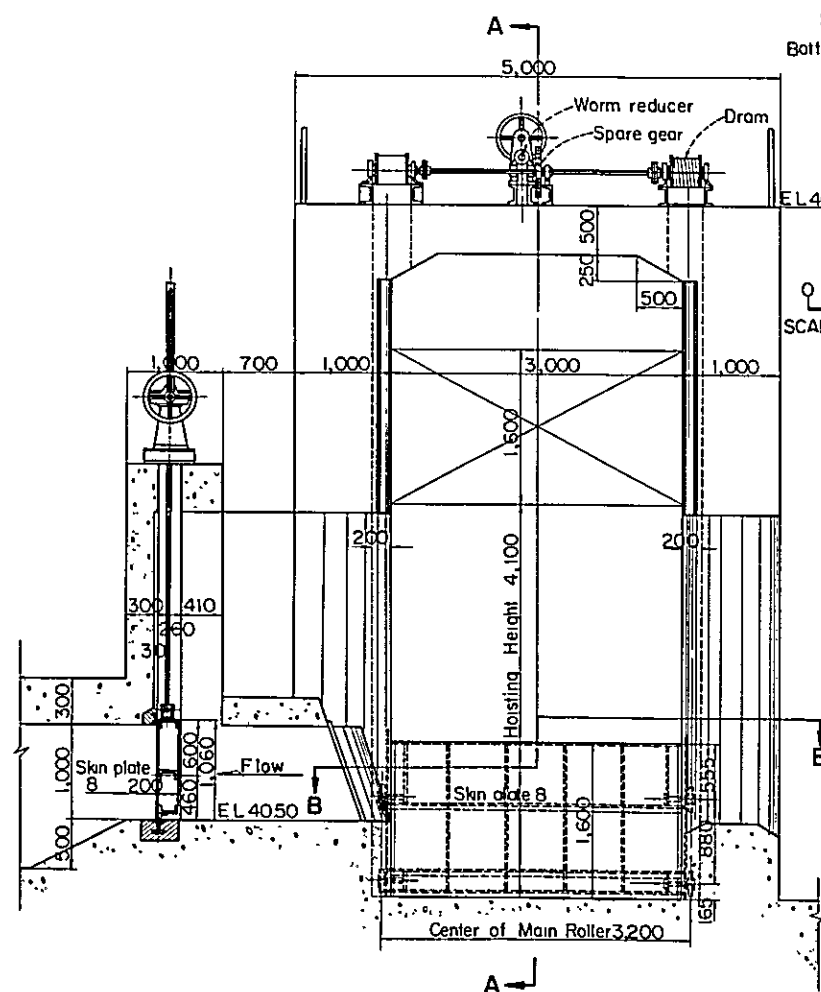


DETAIL OF SIDE SEAL

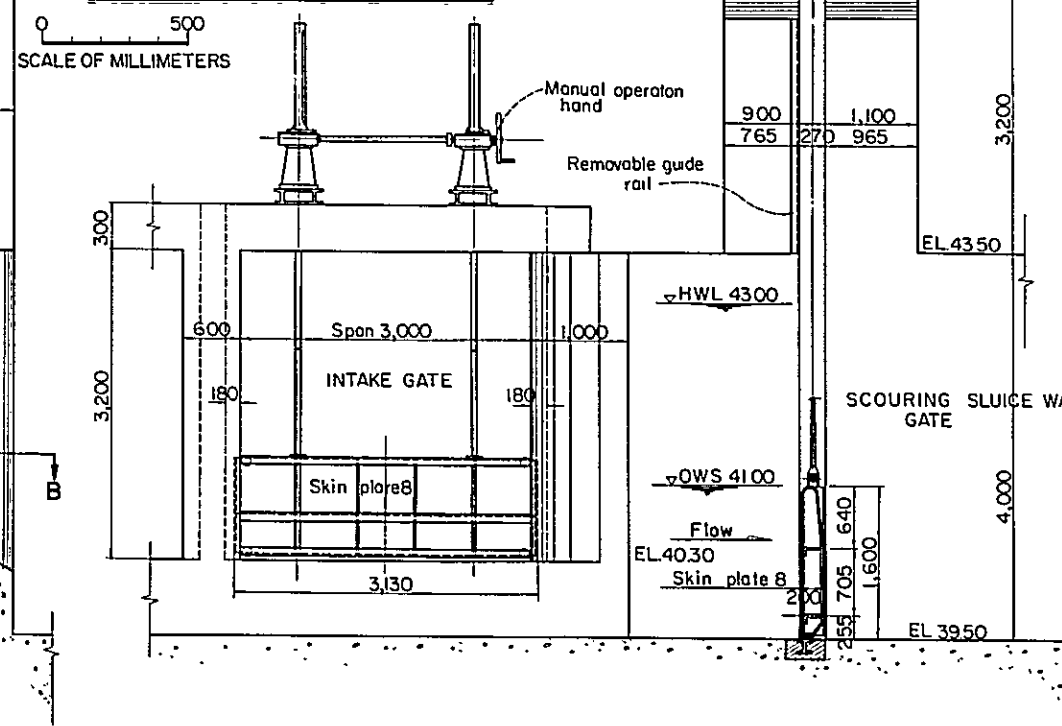


DETAIL OF TOP AND BOTTOM SEAL

NOTES



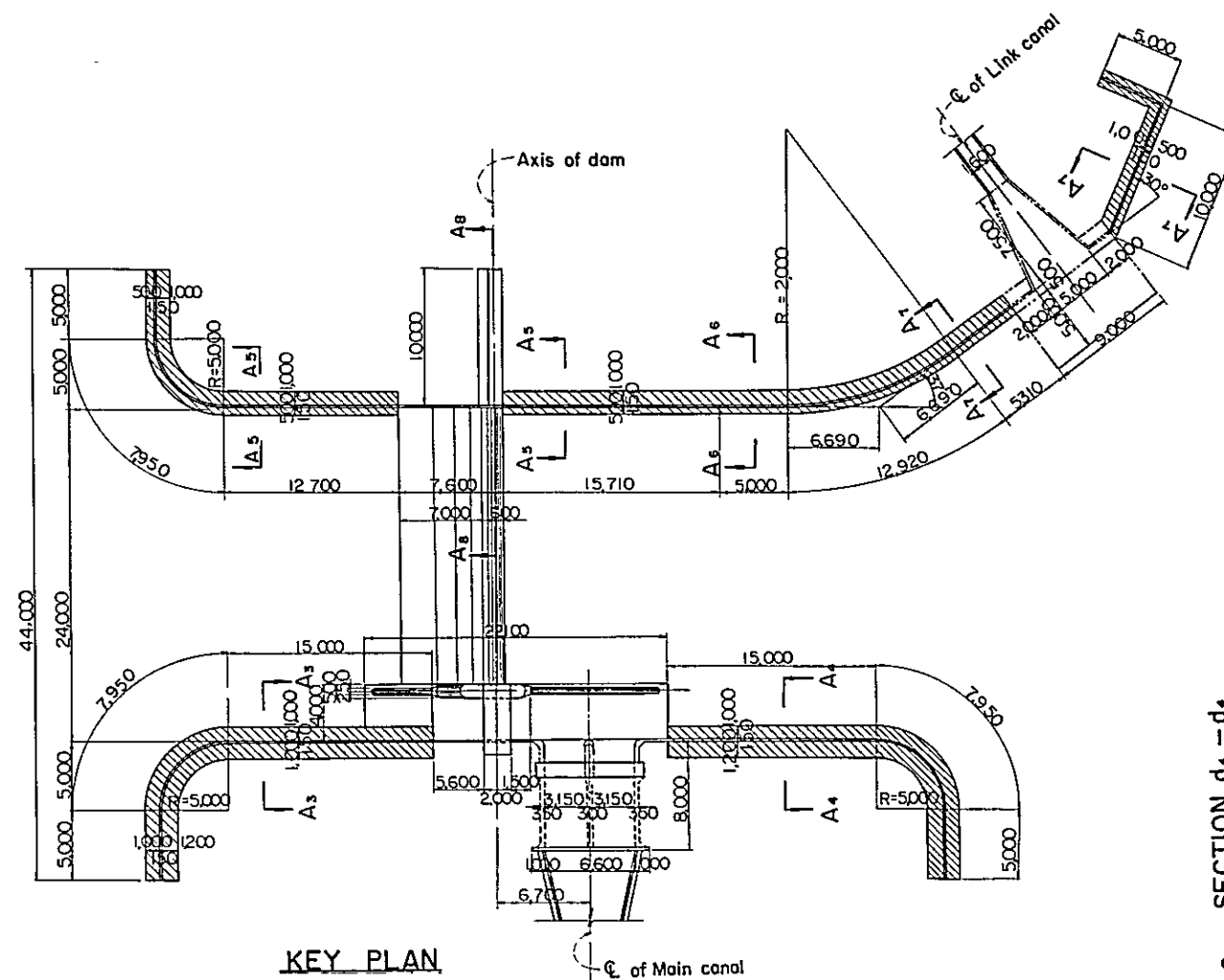
FRONT VIEW OF SLUICeway GATE



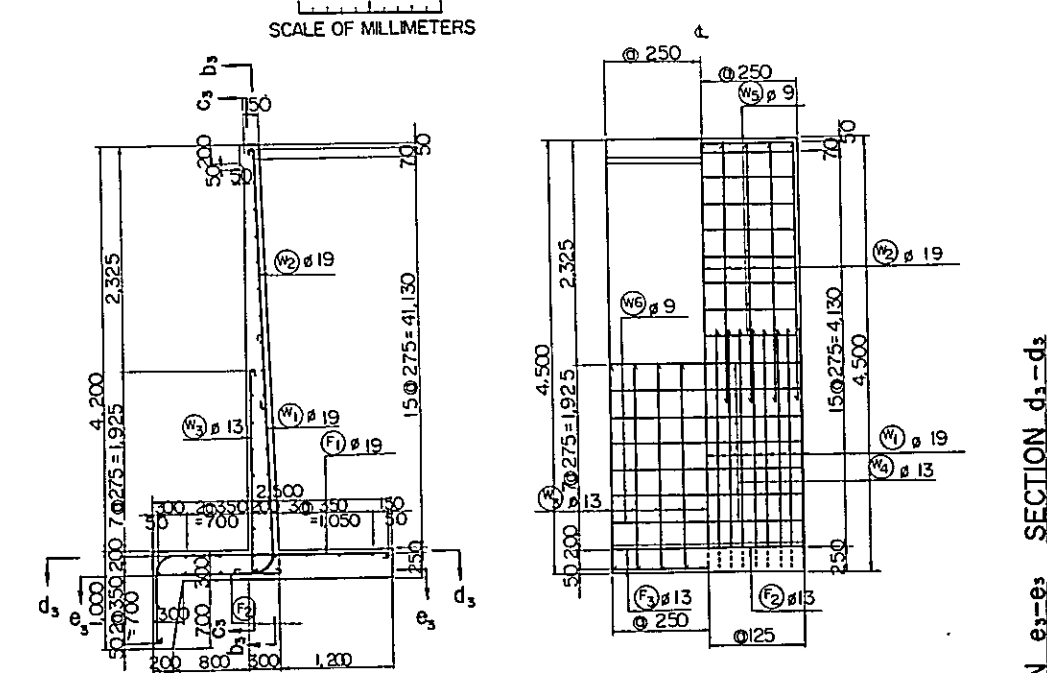
SECTION A-A

All dimensions are given in millimeters
All stations and elevations are given in meters
Welding H-beam and etc. shown in this
drawing may be substituted by H-beam
and etc. with adequate market size.
All welds to be full penetration continuous
and smooth

THE PHILIPPINES			
RICE AND CORN PRODUCTION COORDINATING COUNCIL			
REGIONAL RICE PRODUCTION CENTER			
SANMIGUEL — ALANGALANG			
DIVERSION DAM NO. 2			
INSTALL ASSEMBLY OF GATES			
OVERSEAS TECHNICAL COOPERATION AGENCY			
GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO	OF	DRAWING NO	D - 18



KEY PLAN
0 10,000
SCALE OF MILLIMETERS

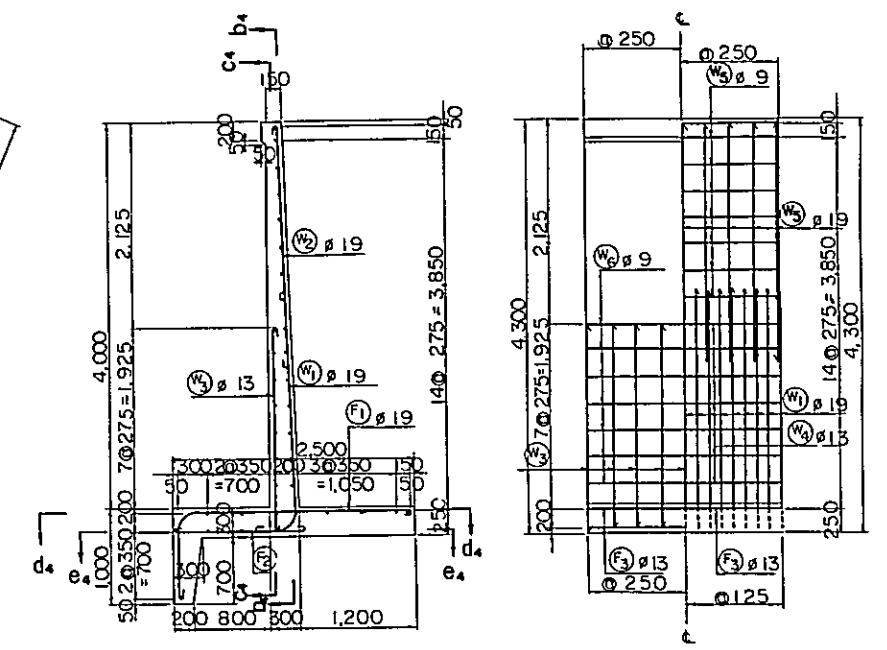
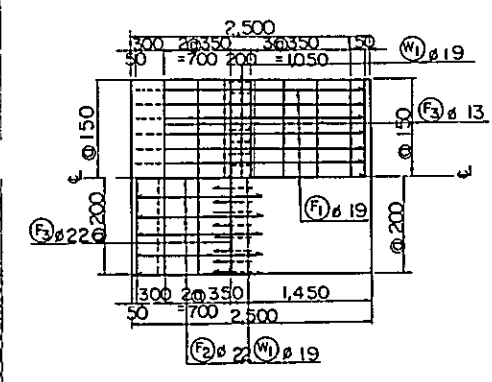


SECTION A₁-A₁

SECTION C₁-C₁

SECTION B₁-B₁

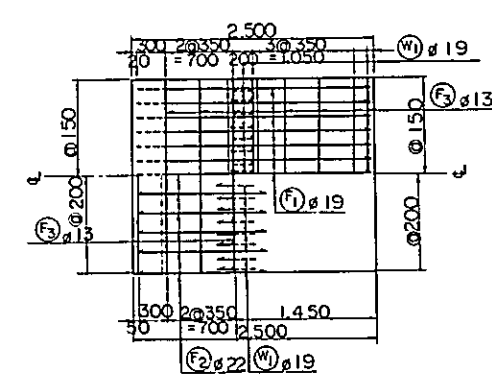
SECTION d₁-d₁



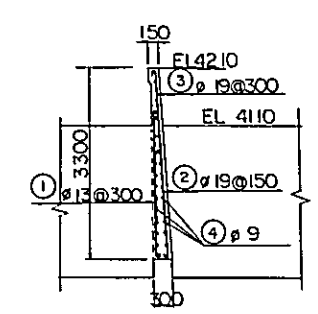
SECTION A₂-A₂

SECTION C₂-C₂

SECTION B₂-B₂



SECTION d₂-d₂



SECTION A₃-A₃

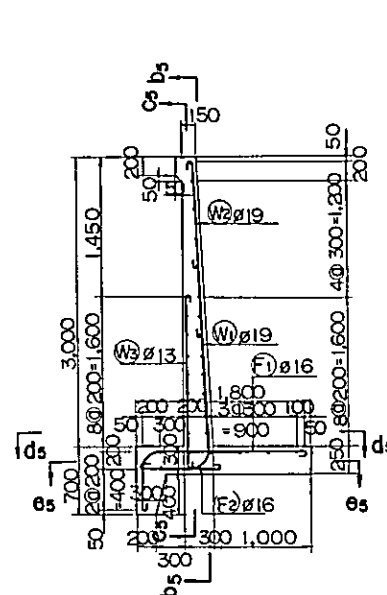
0 1,000 3,000
SCALE OF MILLIMETERS

0 1,000 3,000
SCALE OF MILLIMETERS

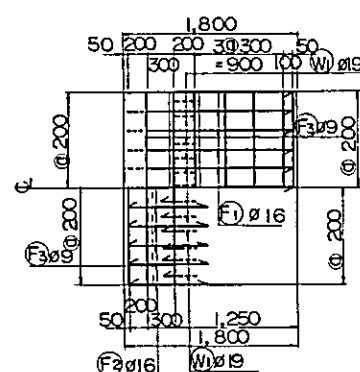
NOTES

- All dimensions are given in millimeters.
- Reinforcements in the hatched portion are shown in this sheet.
- Concrete design, except precast, based on a compressive strength of 80 kg/cm².
- Chamfer all exposed corners 20mm, unless otherwise shown.
- For strength and aggregate size of concrete, see specifications.
- Base of concrete structure to be placed on undisturbed natural foundation or thoroughly compacted fill.
- See Drawing D-20 for other section.
- Unless otherwise shown, place reinforcement so that the clear distance between face of concrete and the nearest reinforcement is 50 mm except provide a clear distance of 100 mm from face of concrete placed against earth.
- Lap all bars 30 diameters at splices.
- All reinforcing steel to be plain bar with standard hook each end in addition to length shown.
- Hook with 180° bends, lengths of 10 bar diameters to be provided where shown.
- Use 10.5 bar diameter radii for bends of main reinforcement at the corner of rigid frame or Rahmen.
- Provide 10mm~20mm elastic filler in all expansion joints at all concrete contact areas.

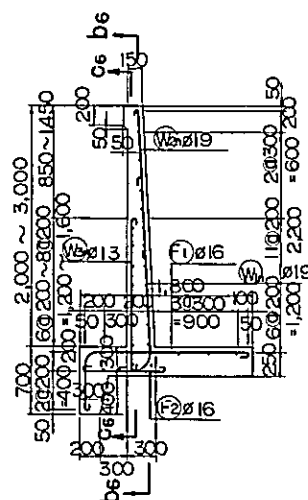
THE PHILIPPINES			
RICE AND CORN PRODUCTION COORDINATING COUNCIL			
REGIONAL RICE PRODUCTION CENTER			
SAN MIGUEL - ALANGALANG			
DIVERSION DAM NO. 2			
RETAINING WALL			
REINFORCEMENT SHEET (I)			
OVERSEAS TECHNICAL COOPERATION AGENCY			
GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO	1 OF 2	DRAWING NO	D-19



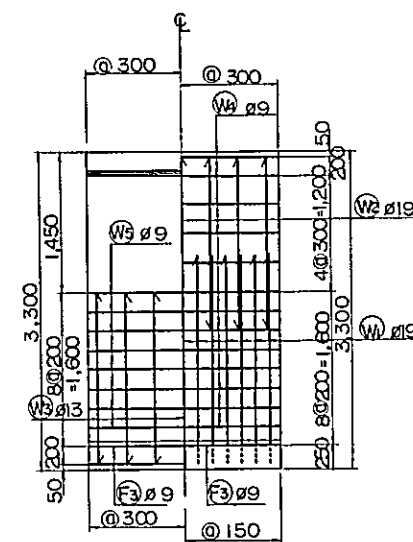
SECTION A5 - A5



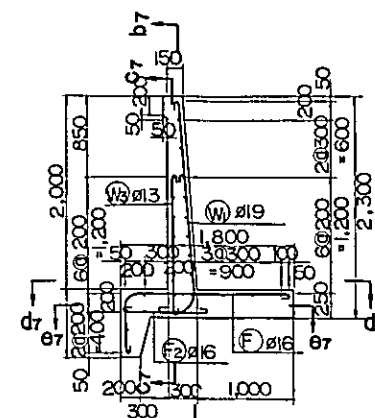
SECTION ds - ds



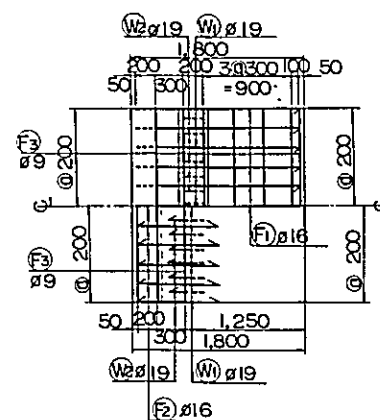
SECTION A6 - A6



SECTION c5-c5 SECTION b5-b5

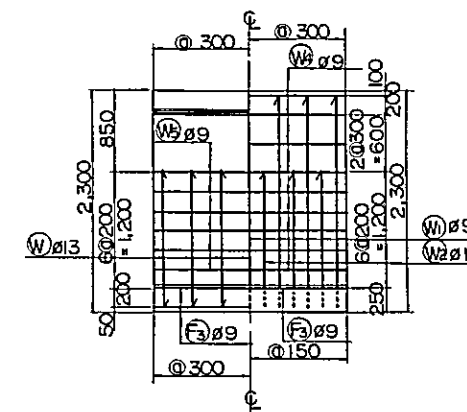


SECTION A7-A7

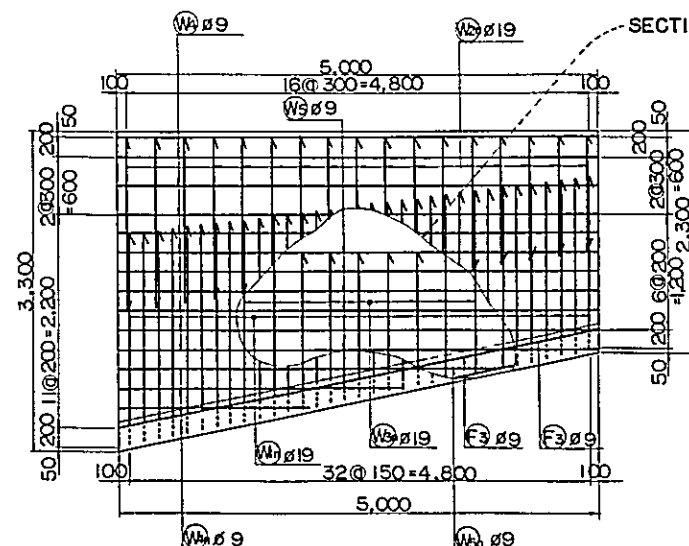


SECTION d7-d7

SECTION e7-e7



SECTION c7-c7 SECTION b7-b7

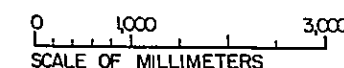


SECTION c6-c6

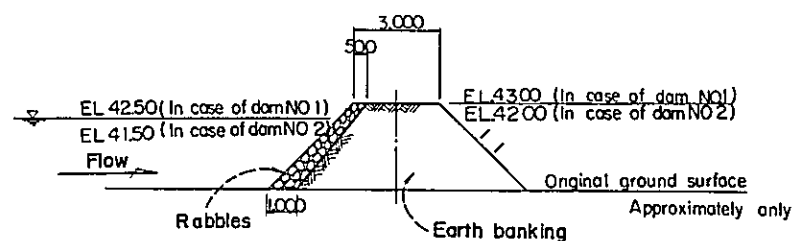
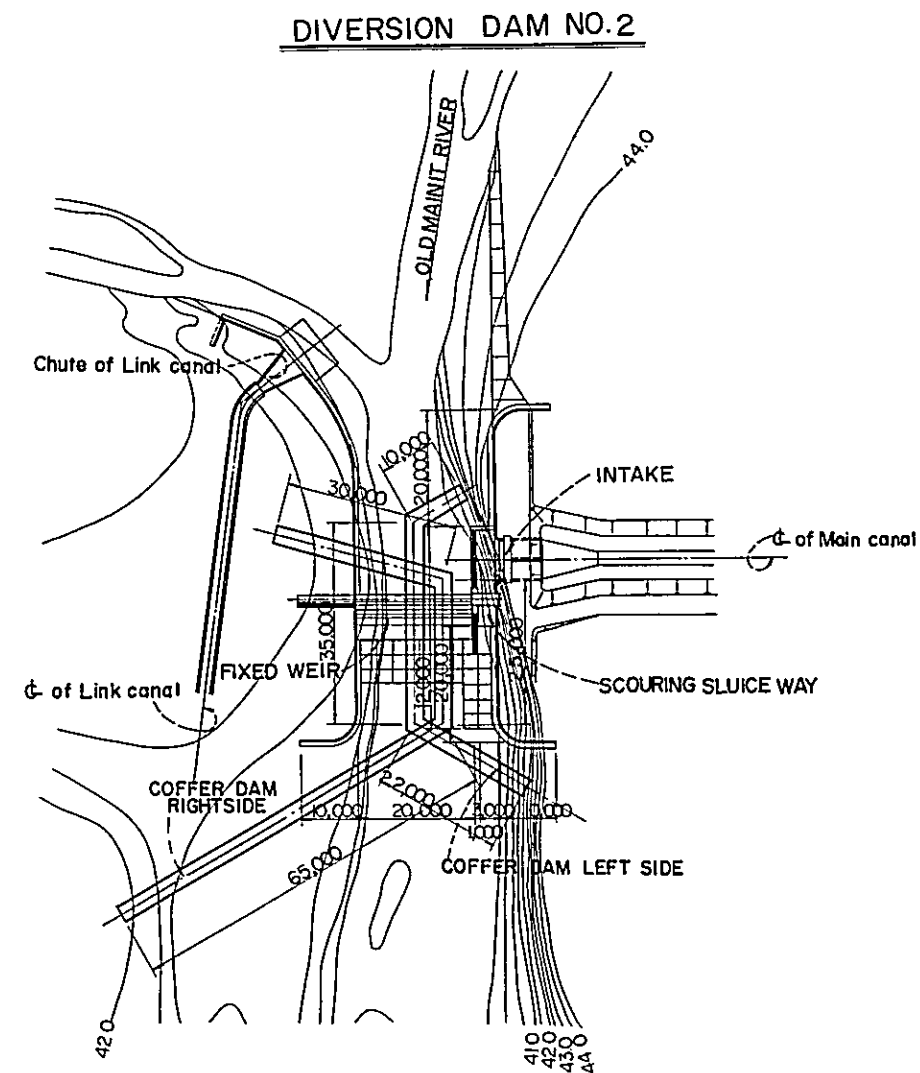
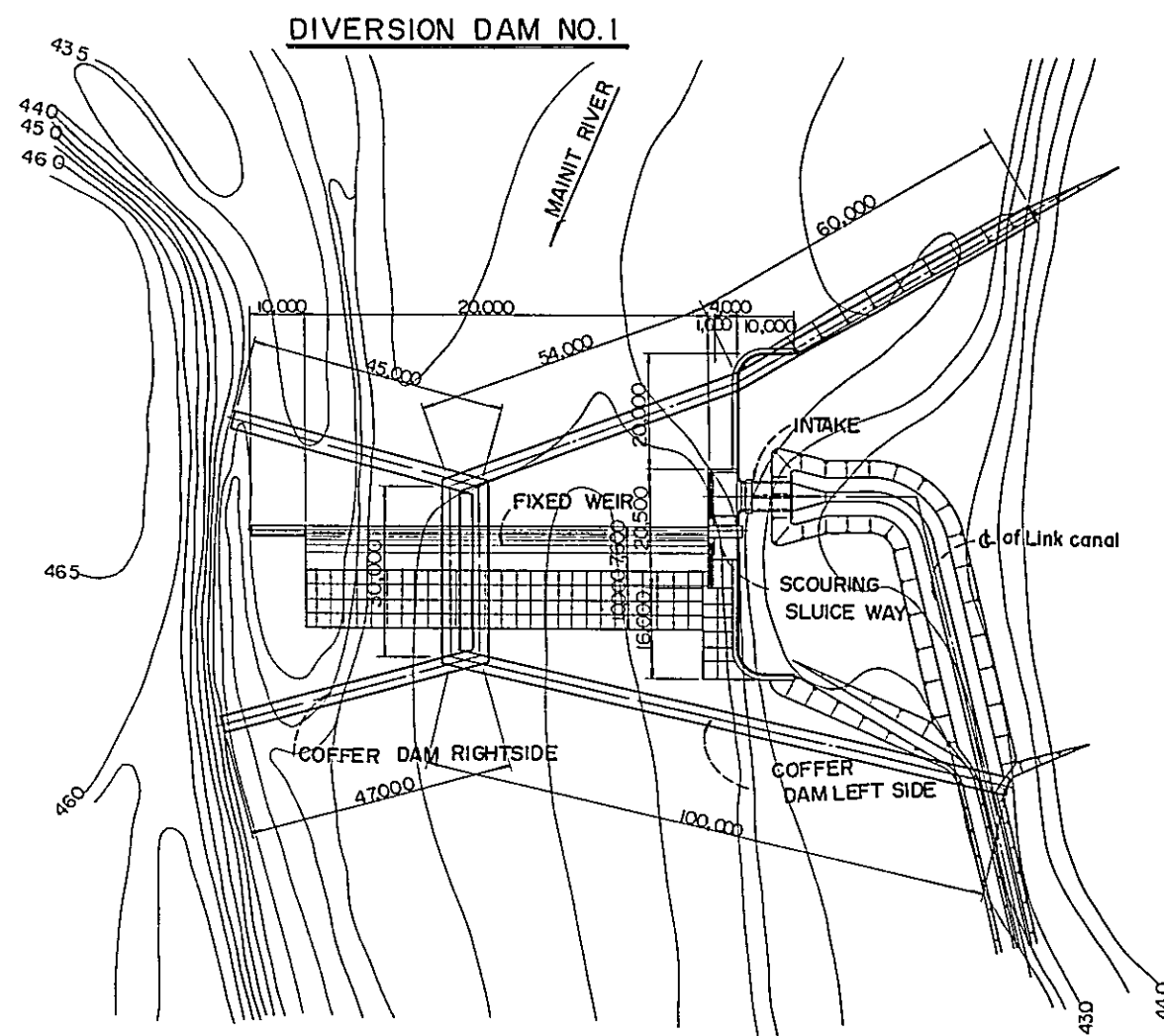
SECTION b6-b6

NOTES

- All dimensions are given in millimeters. See Drawing D-19 for key plan.
- Concrete design, except precast, based on a compressive strength of 80 kg/cm².
- Chamfer all exposed corners 20 mm, unless otherwise shown.
- For strength and aggregate size of concrete, see specifications.
- Unless otherwise shown, place reinforcement so that the clear distance between face of concrete and the nearest reinforcement is 50 mm except provide a clear distance of 100 mm from face of concrete placed against earth.
- Lap all bars 30 diameters at splices.
- All reinforcing steel to be plain bar with standard hook each end in addition to length shown.
- Hook with 180° bends, lengths of 10 bar diameters to be provided where shown.
- Base of concrete structure to be placed on undisturbed natural foundation or thoroughly compacted fill.
- Provide 10 mm - 20 mm elastic filler in all expansion joints at all concrete contact areas.
- Use 10.5 bar diameter radii for bends of main reinforcement at the corner of rigid frame or Rahmen.



THE PHILIPPINES			
RICE AND CORN PRODUCTION COORDINATING COUNCIL			
REGIONAL RICE PRODUCTION CENTER			
SAN MIGUEL - ALANGALANG			
DIVERSION DAM NO. 2			
RETAINING WALL			
REINFORCEMENT SHEET (2)			
OVERSEAS TECHNICAL COOPERATION AGENCY			
GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO	2 OF 2	DRAWING NO	D-20



TYPICAL SECTION OF COFFER DAM

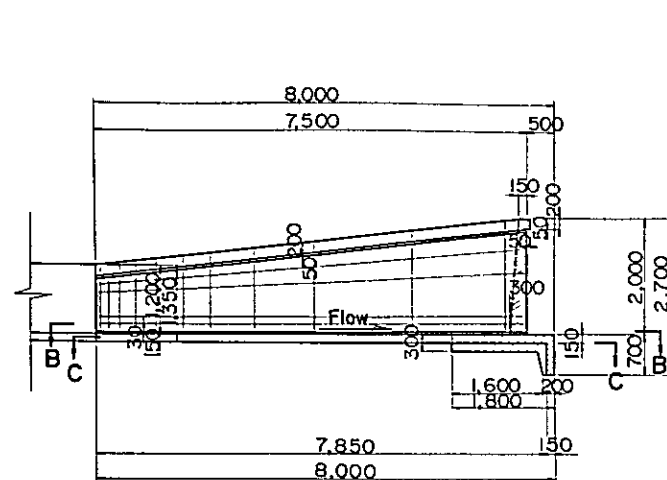
0 5,000 10,000
SCALE OF MILLIMETERS

NOTES

All dimensions are given in millimeters
All stations and elevations are given in meters.

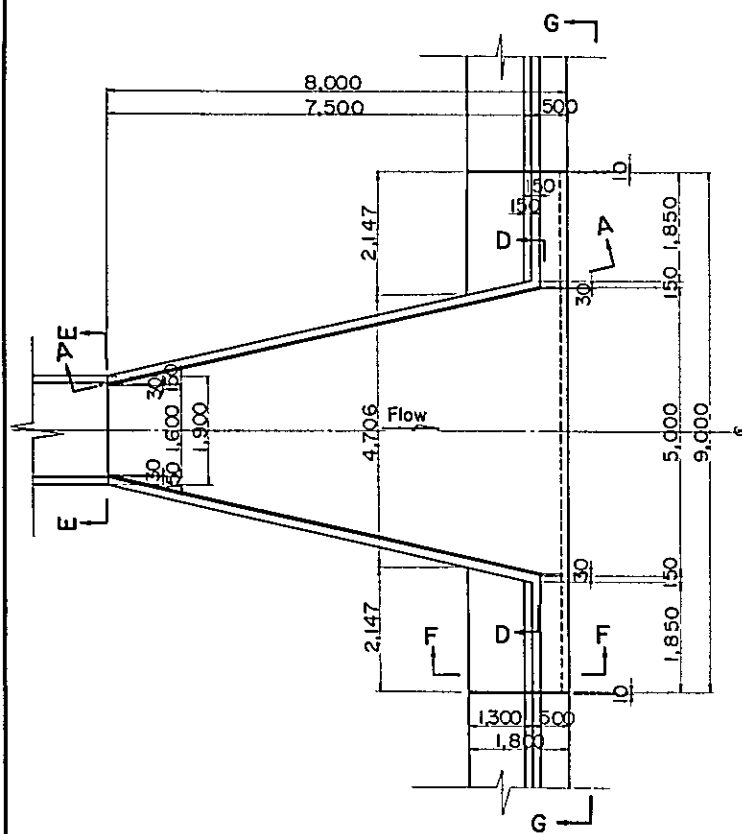
0 10 20 30 40 50
SCALE OF METERS

THE PHILIPPINES			
RICE AND CORN PRODUCTION COORDINATING COUNCIL			
REGIONAL RICE PRODUCTION CENTER			
SANMIGUEL — ALANGALANG			
DIVERSION DAMS			
PLAN OF CONSTRUCTION WORK			
OVERSEAS TECHNICAL COOPERATION AGENCY			
GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO.	OF	DRAWING	D-21



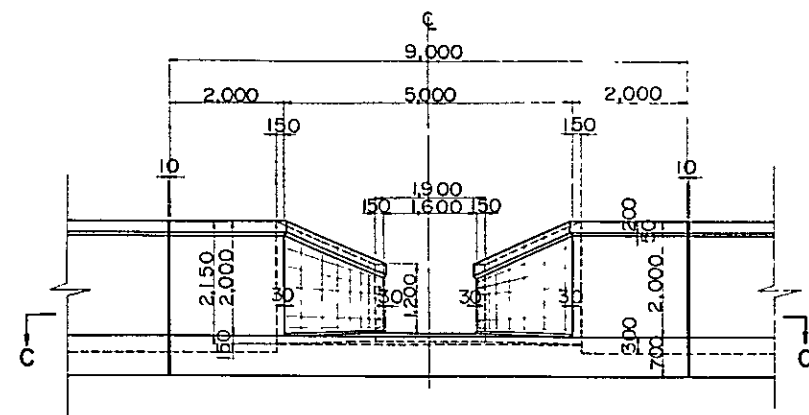
PROFILE

0 3,000
SCALE OF MILLIMETERS



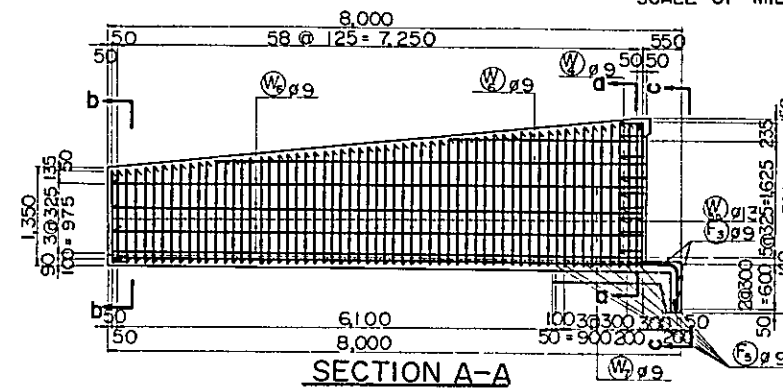
PLAN

0 3,000
SCALE OF MILLIMETERS

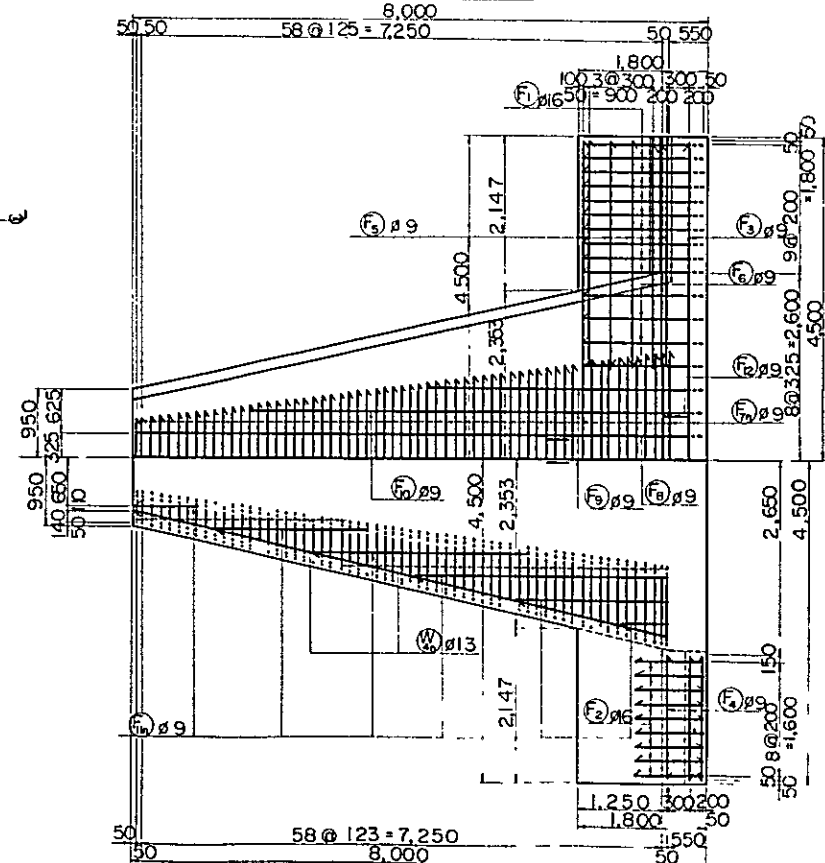


FRONT VIEW

0 2,000
SCALE OF MILLIMETERS

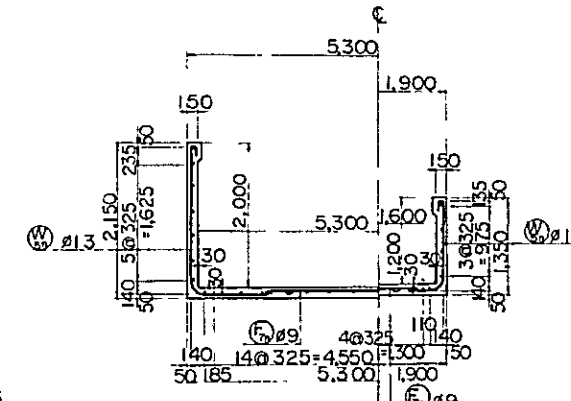


SECTION A-A



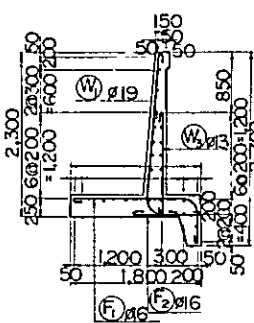
SECTION B-B

SECTION C-C

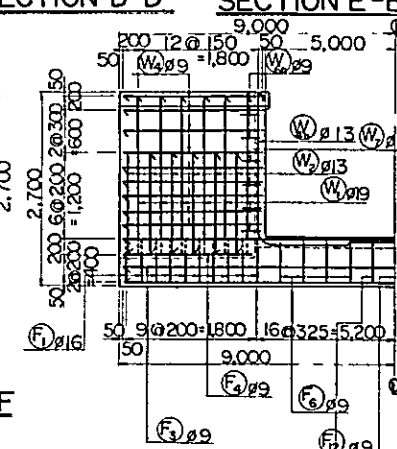


SECTION D-D

SECTION E-E



SECTION F-F

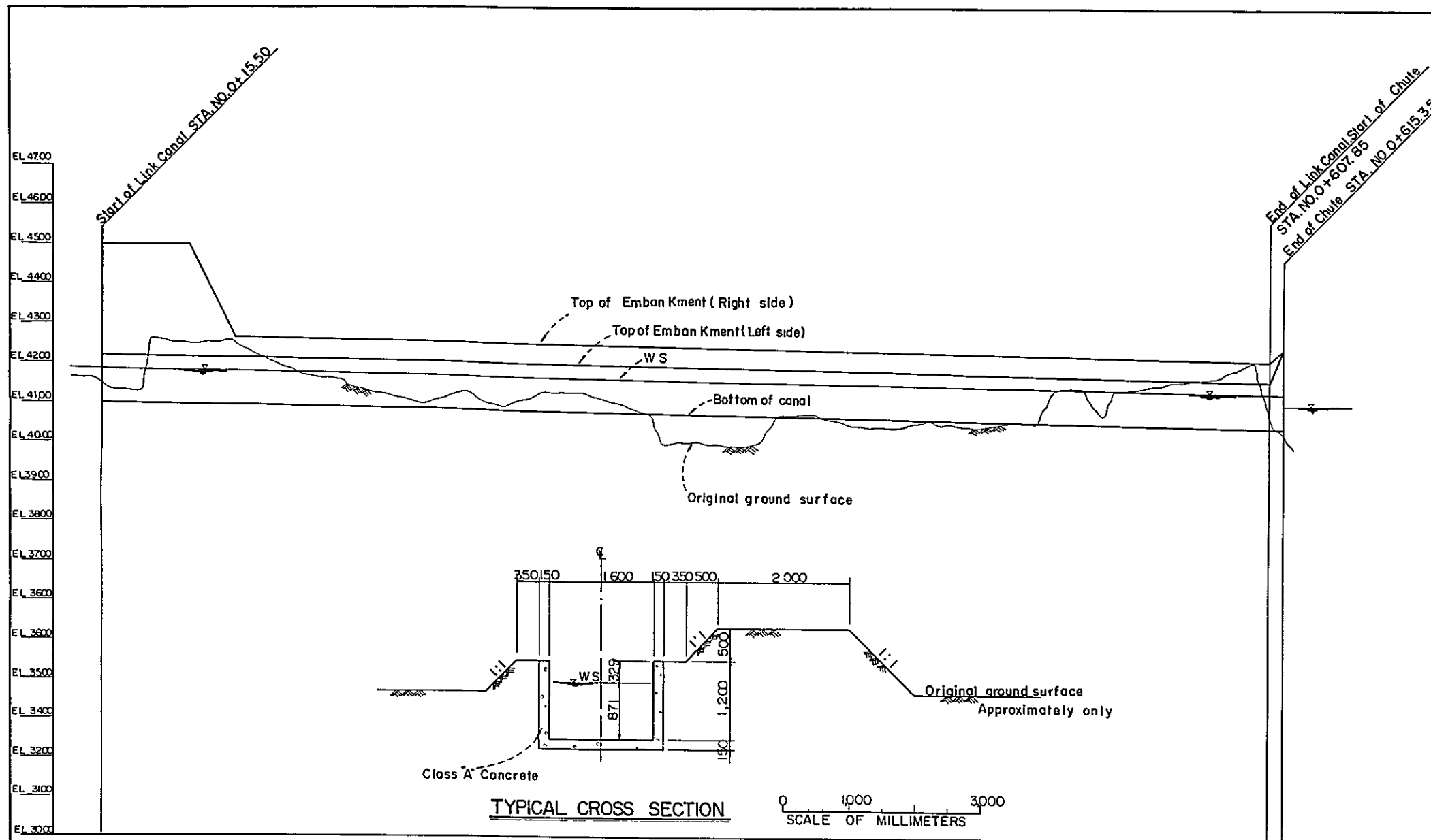


SECTION G-G

NOTES

All dimensions are given in millimeters.
See Drawing D-1 for the general location of chute of Link canal.
Concrete design, except precast, based on a compressive strength of 80 kg/cm².
Chamfer all exposed corners 20 mm, unless otherwise shown.
For strength and aggregate size of concrete, see specifications.
Unless otherwise shown, place reinforcement so that the clear distance between face of concrete and the nearest reinforcement is 50 mm except provide a clear distance of 100 mm from face of concrete placed against earth.
Lap all bars 30 diameters at splices.
All reinforcing steel to be plain bar with standard hook each end in addition to length shown.
Hook with 180° bends, lengths of 10 bar diameters to be provided where shown.
Use 10.5 bar diameter radii for bends of main reinforcement at the corner of rigid frame or Rahmen.
Base of concrete structure to be placed on undisturbed natural foundation or thoroughly compacted fill.
Class 'A' concrete to be placed at all portion unless otherwise shown.

0 1,000 4,000
SCALE OF MILLIMETERS



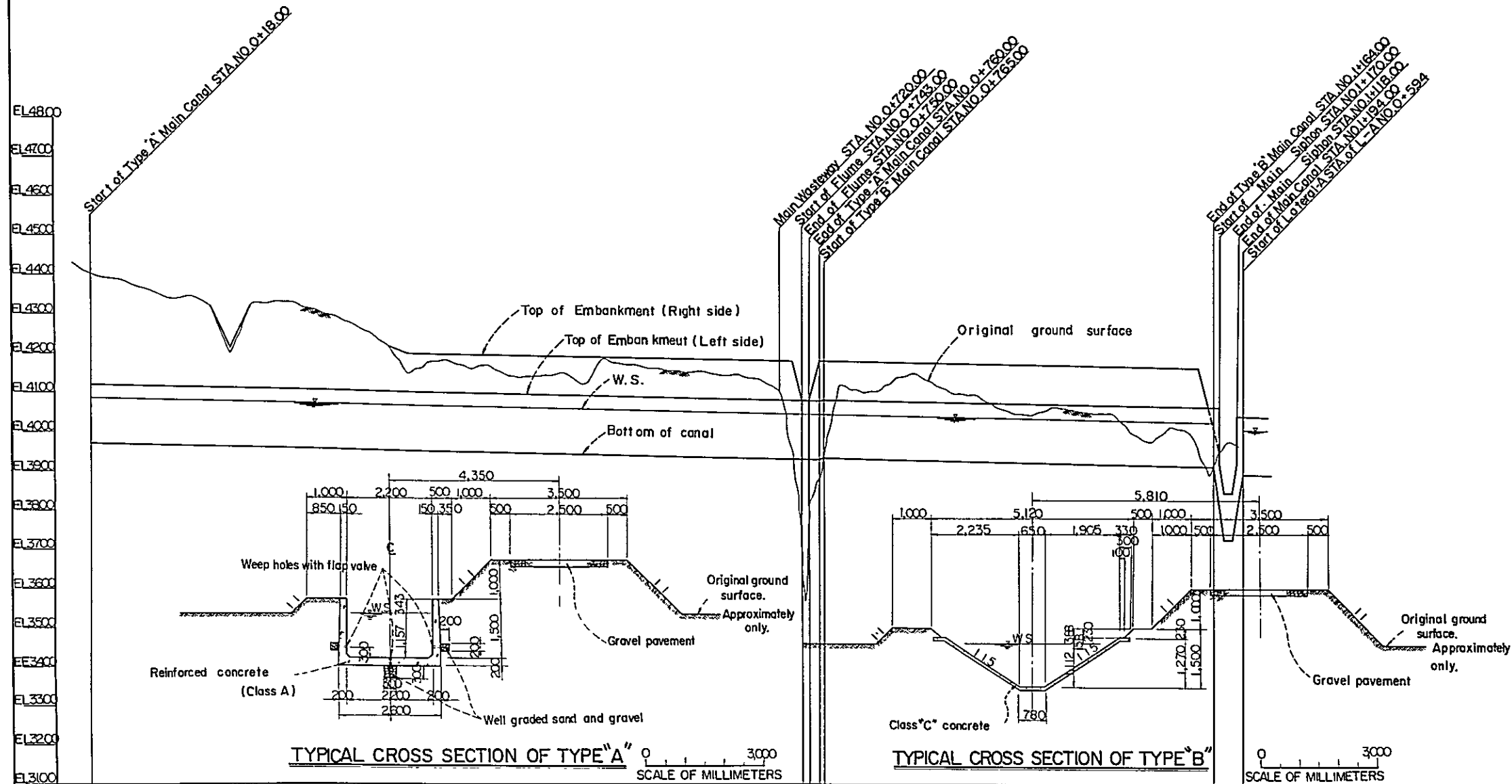
NOTES

All dimensions are given in millimeters.
All stations and elevations are given in meters

Horizontal scale 0 50
SCALE OF METERS
Vertical scale 0 1 2
SCALE OF METERS

THE PHILIPPINES			
RICE AND CORN PRODUCTION COORDINATING COUNCIL			
REGIONAL RICE PRODUCTION CENTER			
SANMIGUEL-ALANGALANG			
LINK CANAL			
PROFILE			
OVERSEAS TECHNICAL COOPERATION AGENCY			
GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO.	OF	DRAWING NO.	D-23

STATION	INTAKE OF DIVERSION DAM NO.1	LINK CANAL	CHUTE
0+00	0+00	0+00	0+00
0+10	0+10	0+10	0+10
0+20	0+20	0+20	0+20
0+30	0+30	0+30	0+30
0+40	0+40	0+40	0+40
0+50	0+50	0+50	0+50
0+60	0+60	0+60	0+60
0+70	0+70	0+70	0+70
0+80	0+80	0+80	0+80
0+90	0+90	0+90	0+90
0+100	0+100	0+100	0+100
0+110	0+110	0+110	0+110
0+120	0+120	0+120	0+120
0+130	0+130	0+130	0+130
0+140	0+140	0+140	0+140
0+150	0+150	0+150	0+150
0+160	0+160	0+160	0+160
0+170	0+170	0+170	0+170
0+180	0+180	0+180	0+180
0+190	0+190	0+190	0+190
0+200	0+200	0+200	0+200
0+210	0+210	0+210	0+210
0+220	0+220	0+220	0+220
0+230	0+230	0+230	0+230
0+240	0+240	0+240	0+240
0+250	0+250	0+250	0+250
0+260	0+260	0+260	0+260
0+270	0+270	0+270	0+270
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0+320	0+320	0+320	0+320
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0+350	0+350	0+350	0+350
0+360	0+360	0+360	0+360
0+370	0+370	0+370	0+370
0+380	0+380	0+380	0+380
0+390	0+390	0+390	0+390
0+400	0+400	0+400	0+400
0+410	0+410	0+410	0+410
0+420	0+420	0+420	0+420
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0+950	0+950	0+950	0+950
0+960	0+960	0+960	0+960
0+970	0+970	0+970	0+970
0+980	0+980	0+980	0+980
0+990	0+990	0+990	0+990
0+1000	0+1000	0+1000	0+1000



NOTES

All dimensions are given in millimeters
All stations and elevations are given in meters

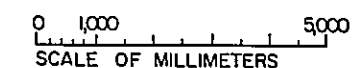
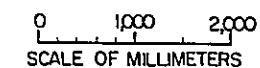
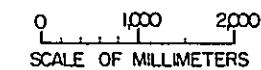
Horizontal scale 0 50 100
SCALE OF METERS
Vertical scale 0 1 2
SCALE OF METERS

THE PHILIPPINES RICE AND CORN PRODUCTION COORDINATING COUNCIL REGIONAL RICE PRODUCTION CENTER SANMIGUEL - ALANGAL ANG MAIN CANAL PROFILE OVERSEAS TECHNICAL COOPERATION AGENCY GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO	OF	DRAWING NO	D - 24

GRADU	INTAKE OF DAM No 2	MAIN CANAL TYPE "A"	FLUME TRANSITION	MAIN CANAL TYPE "B"	MAIN SYPHON
	$I = 1/1800$	$L = 725.00$		$I = 1/800$	$L = 399.00$
HEIGHT OF EMBANKMENT					
DEPTH OF EXCAVATION					
ELEV. OF W.S.					
GRADU					
STATION					
ACCUM. DIST.					
CURVE					



NAME OF CANAL	HYDRAULIC DEPTH	HYDRAULIC GRADIENT	SIDE SLOPE	BOTTOM WIDTH	VELOCITY	DIS-CHARGE	REMARKS
LINK CANAL	0.871	1/1,800	1 : 0	1.600	1.177	1,640	
MAIN CANAL TYPE 'A'	1.157	1/1,800	1 : 0	2.200	1.073	2,730	
" " TYPE 'B'	1.112	1/1,800	1 : 1.5	0.650	1.059	2,730	



All dimensions are given in millimeters

Concrete design, except precast, based on a compressive strength of 80kg/cm^2

Chamfer all exposed corners 20 mm , unless otherwise shown

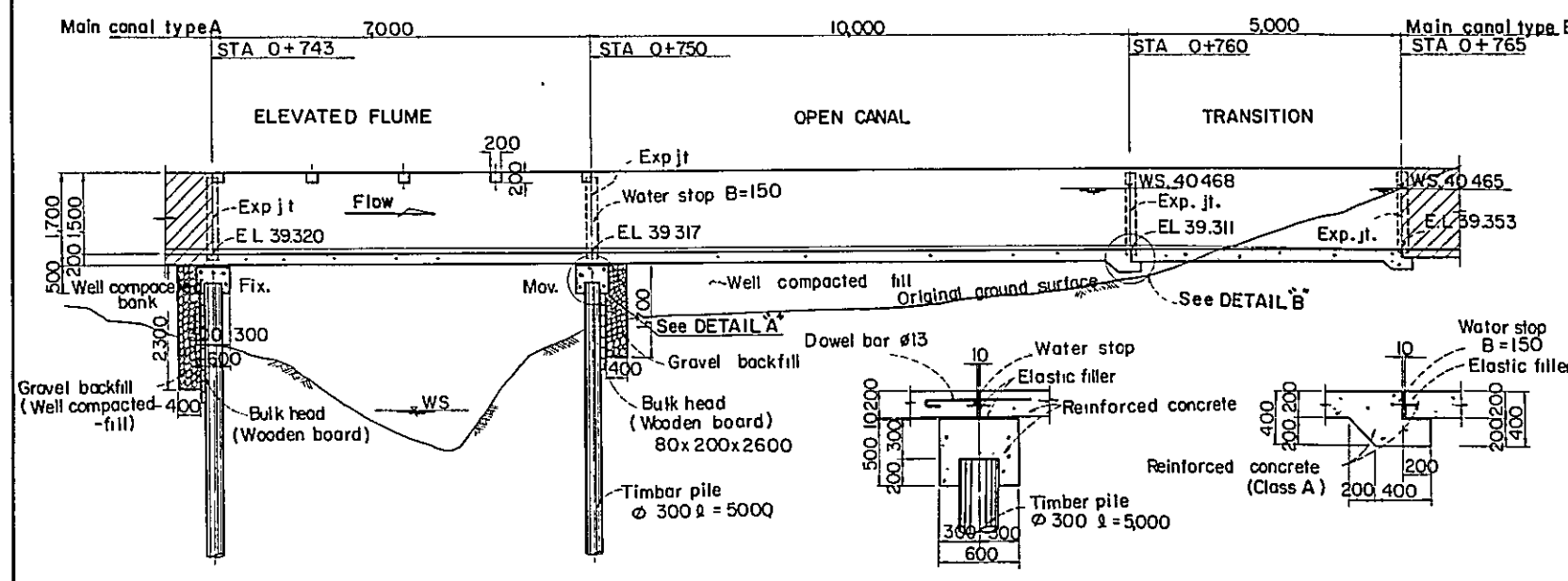
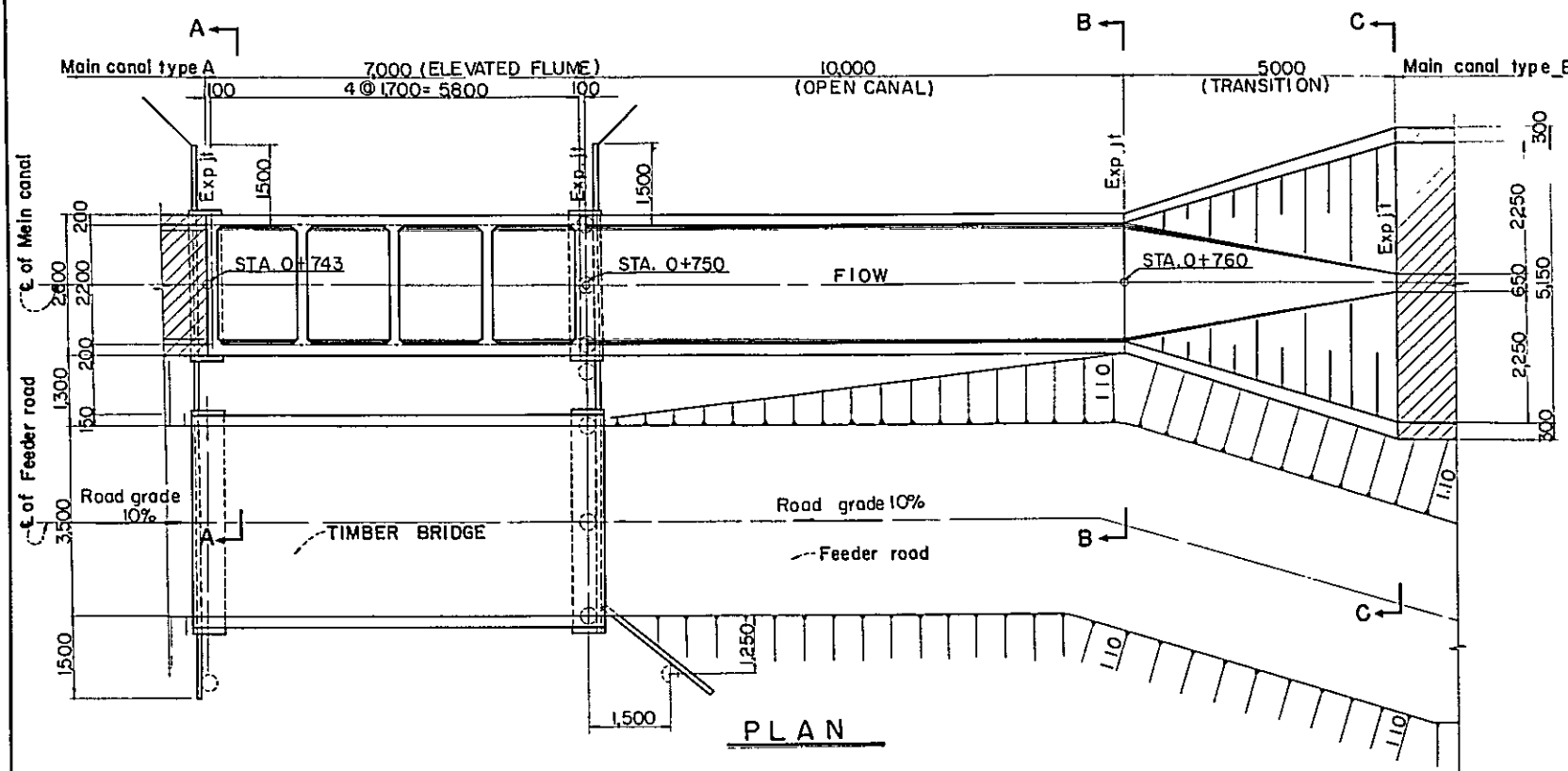
For strength and aggregate size of concrete, see specifications.

Base of concrete structure to be placed on undisturbed natural foundation or thoroughly compacted fill

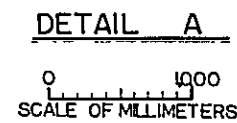
Provide 10mm~20mm elastic filler in all expansion joints at all concrete contact areas

Non corrosive studs and nuts on flapvalves.

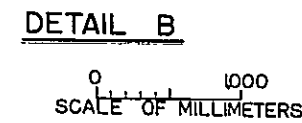
Transverse joints consist of contraction joint (c.j) and expansion joint (Exp.jt) the former is to be used at every meter and the later is to be used at every meter



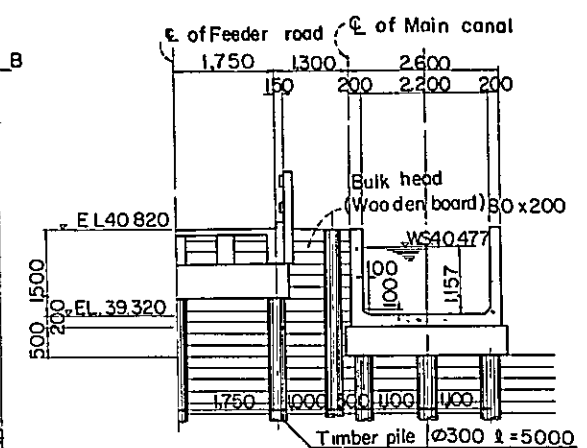
PROFILE



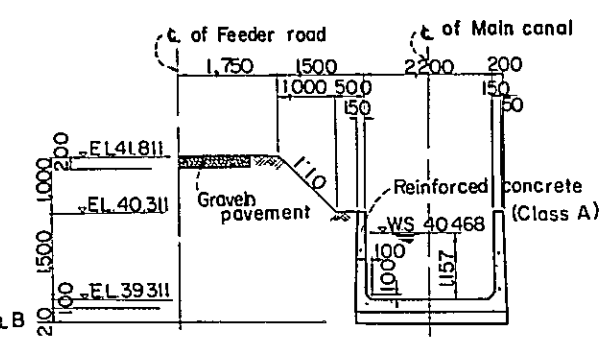
DETAIL A



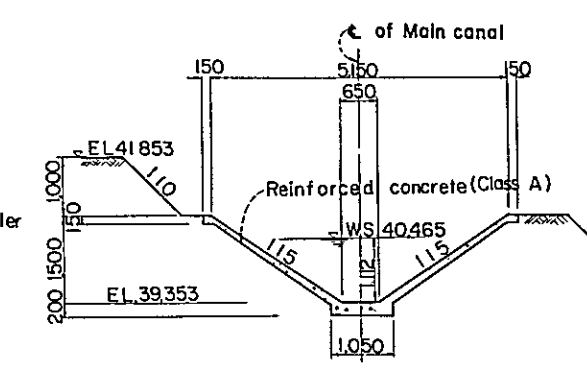
DETAIL B



SECTION A-A



SECTION B-B



SECTION C-C

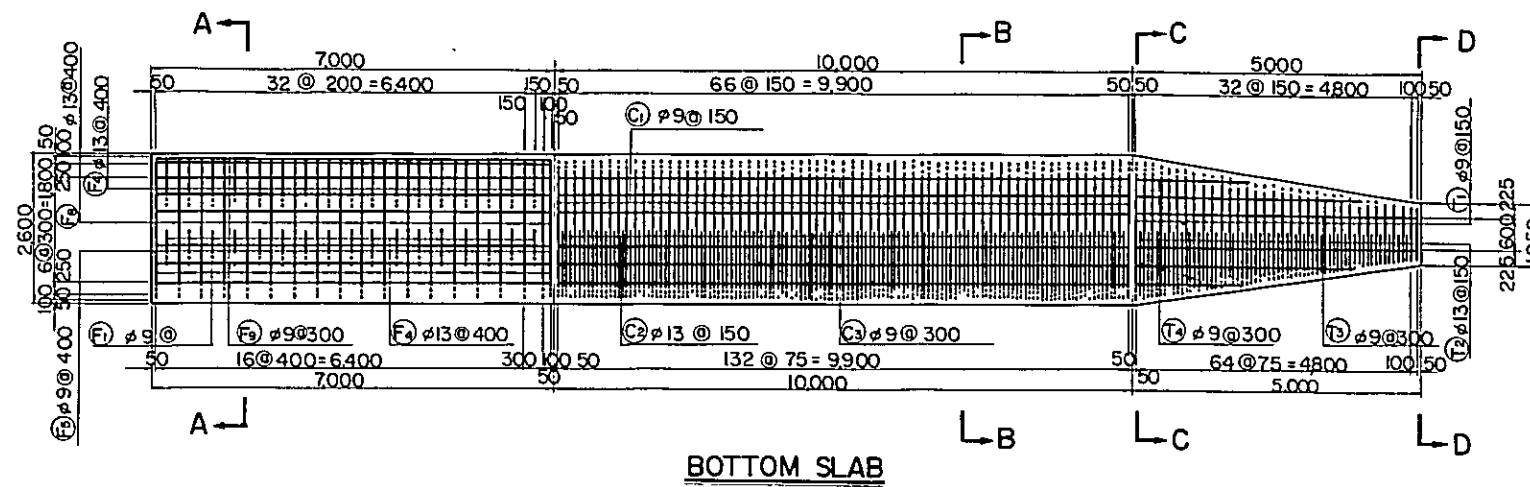
0 1000 2000
SCALE OF MILLIMETERS

0 1000 3000 5000
SCALE OF MILLIMETERS

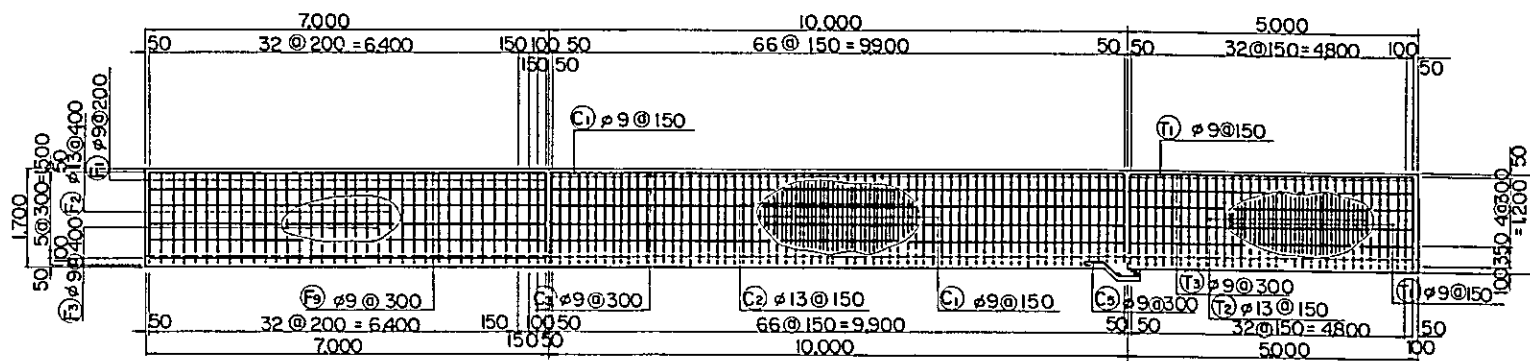
NOTES

- All dimensions are given in millimeters.
- All stations and elevations are given in meters.
- See Drawing D-27 for reinforcement.
- See Drawing D-28 for TIMBER BRIDGE.
- Concrete design, except precast, based on a compressive strength of 80 kg/cm².
- Chamfer all exposed corners, 20 mm, unless otherwise shown.
- For strength and aggregate size of concrete, see specifications.
- Base of concrete structure to be placed on undisturbed natural foundation or thoroughly compacted fill.
- Use 150mm rubber water stop.
- Provide 10mm~20mm elastic filler in all expansion joints at all concrete contact areas.

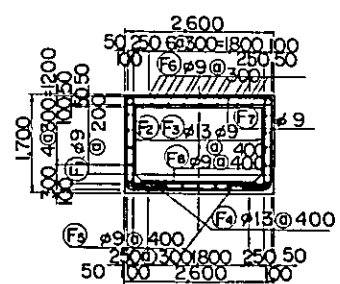
THE PHILIPPINES			
RICE AND CORN PRODUCTION COORDINATING COUNCIL			
REGIONAL RICE PRODUCTION CENTER			
SANMIGUEL - A LANGALANG			
ELEVATED FLUME			
PLAN, PROFILE AND SECTIONS			
OVERSEAS TECHNICAL COOPERATION AGENCY			
GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO.	OF	DRAWING NO.	D-26



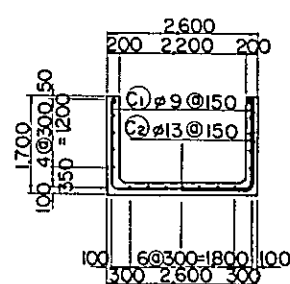
BOTTOM SLAB



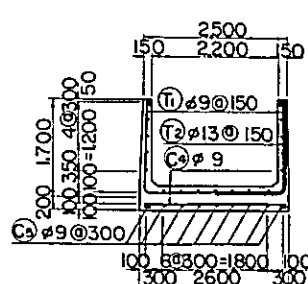
SIDE WALL



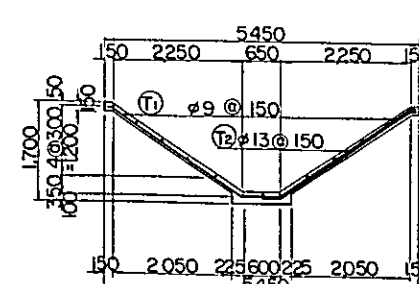
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

NOTES

- All dimensions are given in millimeters.
See Drawing D-26 for plan and sections.
Unless otherwise shown, place reinforcement so that the clear distance between face of concrete and the nearest reinforcement is 50mm except provide a clear distance of 100mm from face of concrete placed against earth.
Lap all bars 30 diameters at splices.
All reinforcing steel to be plain bar with standard hook each end in addition to length shown.
Hook with 180° bends, lengths of 10 bar diameters to be provided where shown.
Use 10.5 bar diameter radii for bends of main reinforcement at the corner of rigid frame or Rahmen.

0 1000 3000 5000
SCALE OF MILLIMETERS

THE PHILIPPINES RICE AND CORN PRODUCTION COORDINATING COUNCIL			
REGIONAL RICE PRODUCTION CENTER SANMIGUEL - ALANGALANG			
ELEVATED FLUME REINFORCEMENT SHEET			
OVERSEAS TECHNICAL COOPERATION AGENCY GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO.	OF	DRAWING NO.	D-27



0 1,000

SCALE OF MILLIMETERS



0 1000
SCALE OF MILLIMETERS

All dimensions are given in millimeters
All stations and elevations are given in meters
Bridge designed for one lane of T-6 loading
All lumber to be treated.
Unit stress of timber and lumber

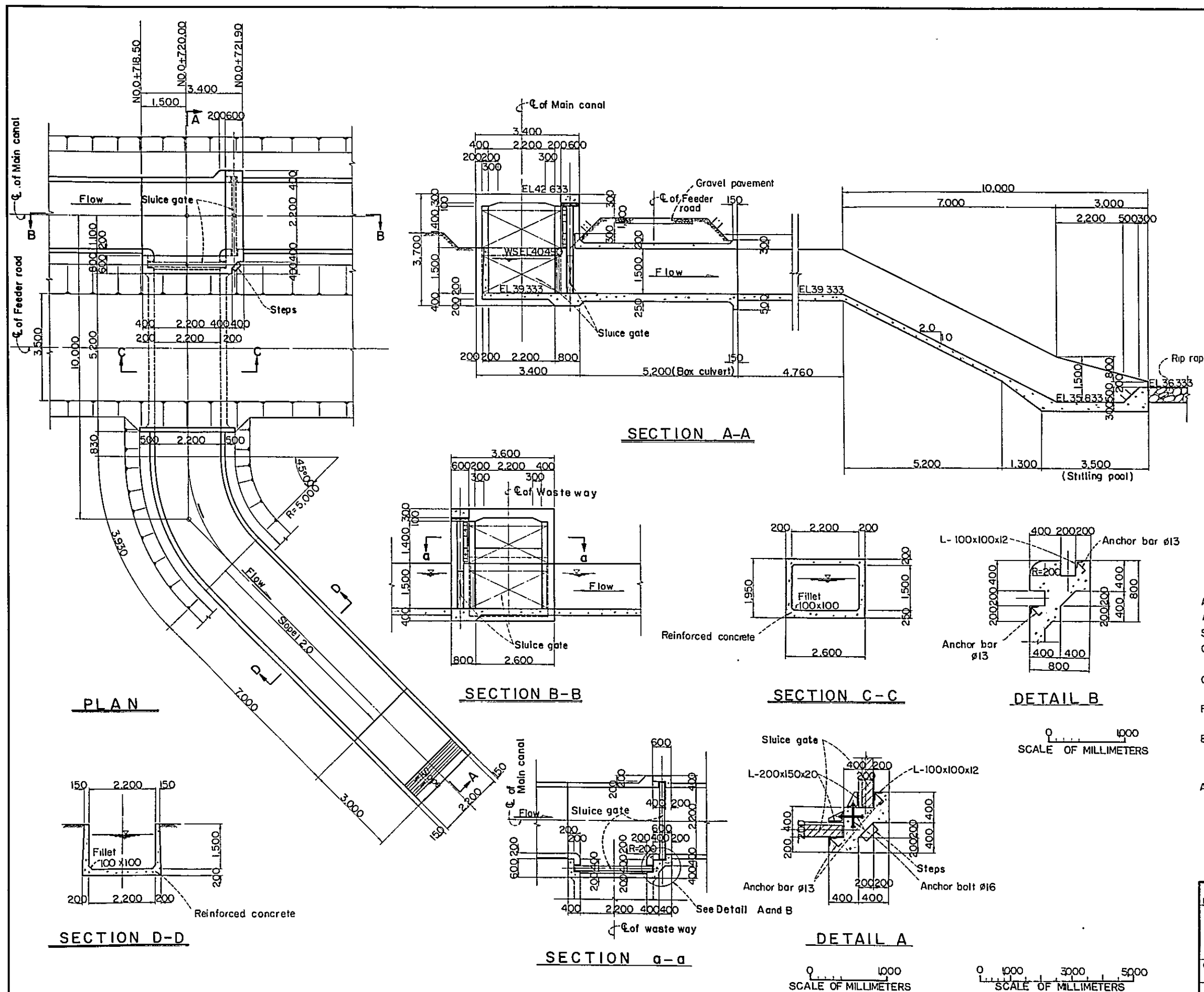
Bending	90 kg/cm ²
Compression (columns)	70 kg/cm ²
Bearing	20 kg/cm ²
Horizontal shear	8 kg/cm ²

Non-corrosive studs and nuts

THE PHILIPPINES
RICE AND CORN PRODUCTION COORDINATING COUNCIL
REGIONAL RICE PRODUCTION CENTER
SANMIGUEL - ALANGALANG
MAINTENANCE BRIDGE
PLAN, PROFILE AND DETAILS
OVERSEAS TECHNICAL COOPERATION AGENCY
GOVERNMENT OF JAPAN

SCALE AS SHOWN DATE
SHEET NO. OF DRAWING NO. D-28

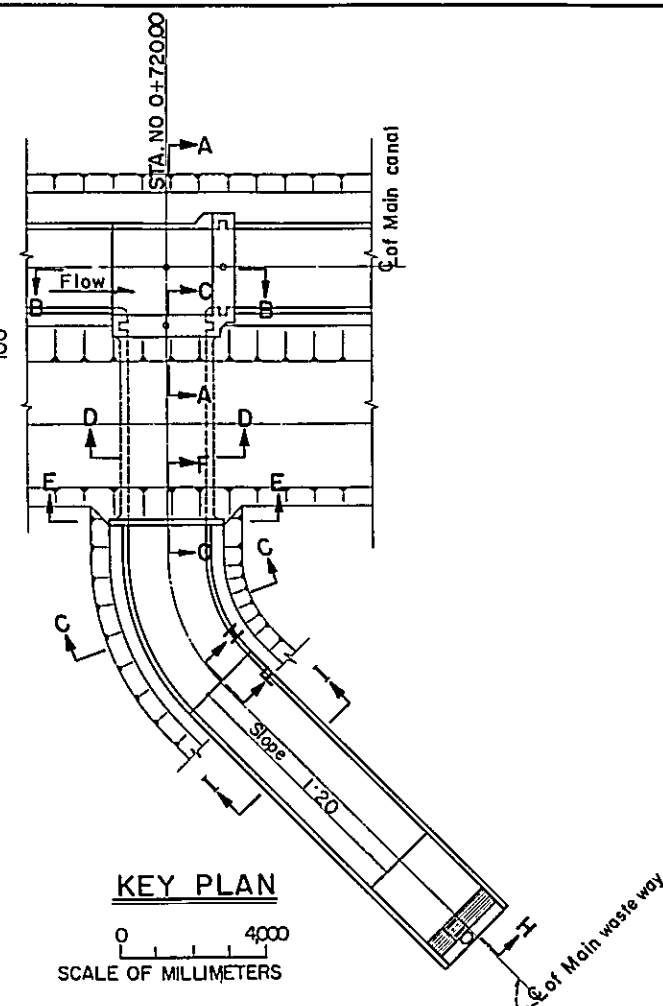
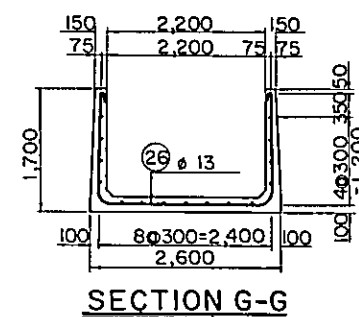
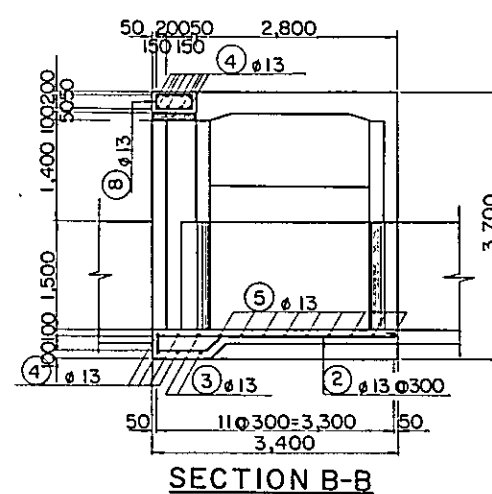
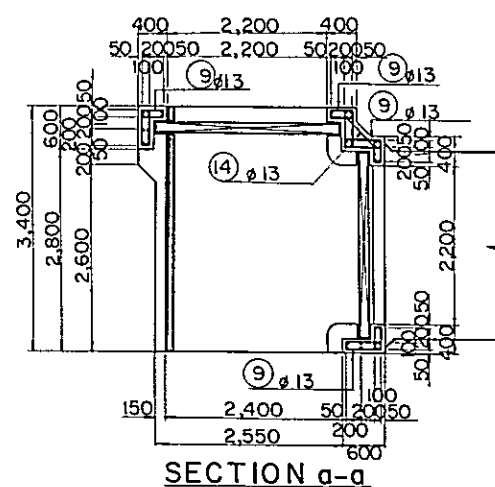
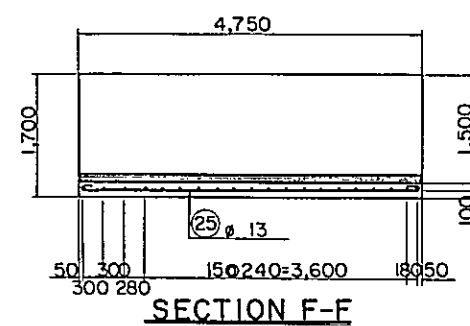
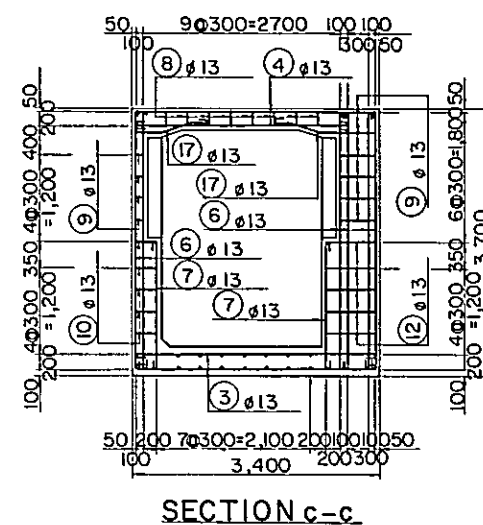
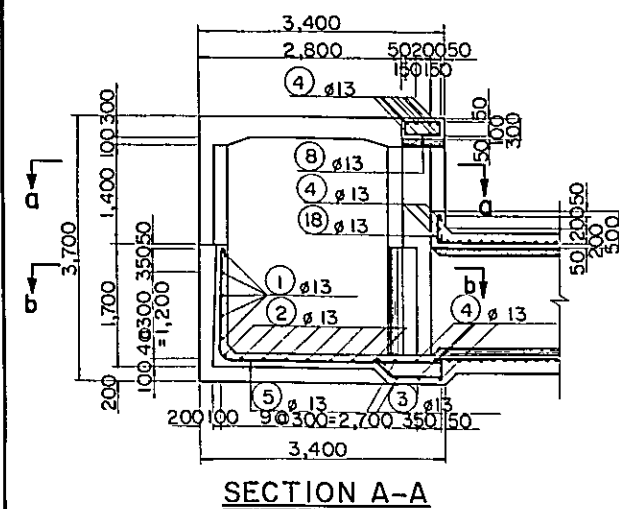
0 1,000 3,000 5,000
SCALE OF MILLIMETERS



NOTES

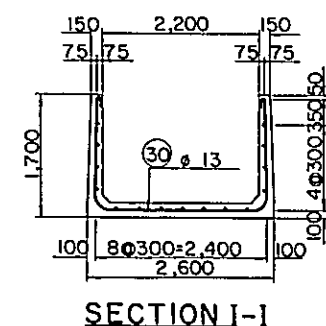
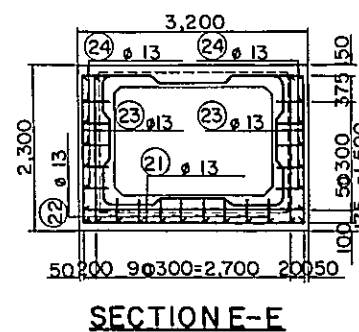
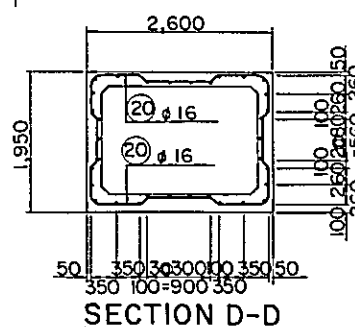
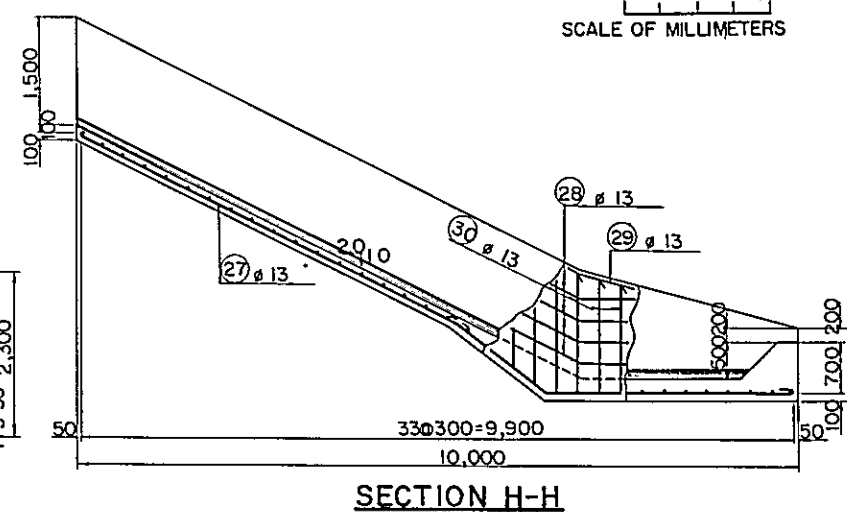
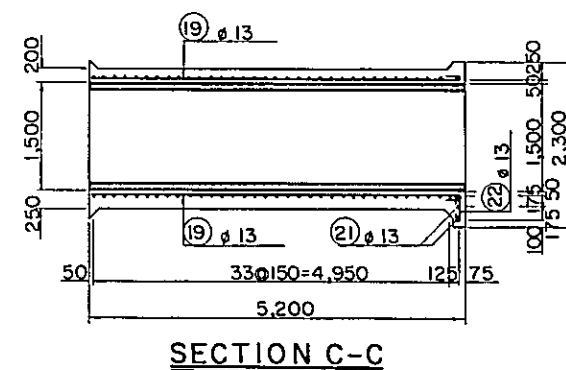
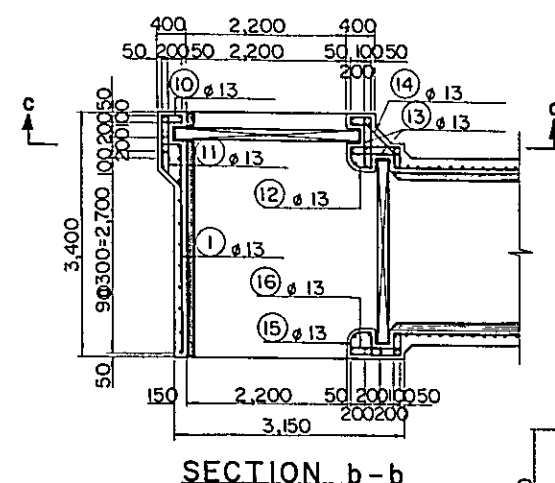
All dimensions are given in millimeters
 All stations and elevations are given in meters
 See Drawing D-30 for reinforcement.
 Concrete design, except precast, based on a compressive strength of 80 kg/cm².
 Chamfer all exposed corners 20mm, unless otherwise shown.
 For strength and aggregate size of concrete, see specifications
 Base of concrete structure to be placed on undisturbed natural foundation or thoroughly compacted fill
 All welds to be full penetration continuous and smooth.

THE PHILIPPINES RICE AND CORN PRODUCTION COORDINATING COUNCIL			
REGIONAL RICE PRODUCTION CENTER SAN MIGUEL - ALANGALANG			
MAIN WASTE WAY PLAN AND SECTIONS			
OVERSEAS TECHNICAL COOPERATION AGENCY GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO.	OF	DRAWING NO.	D-29



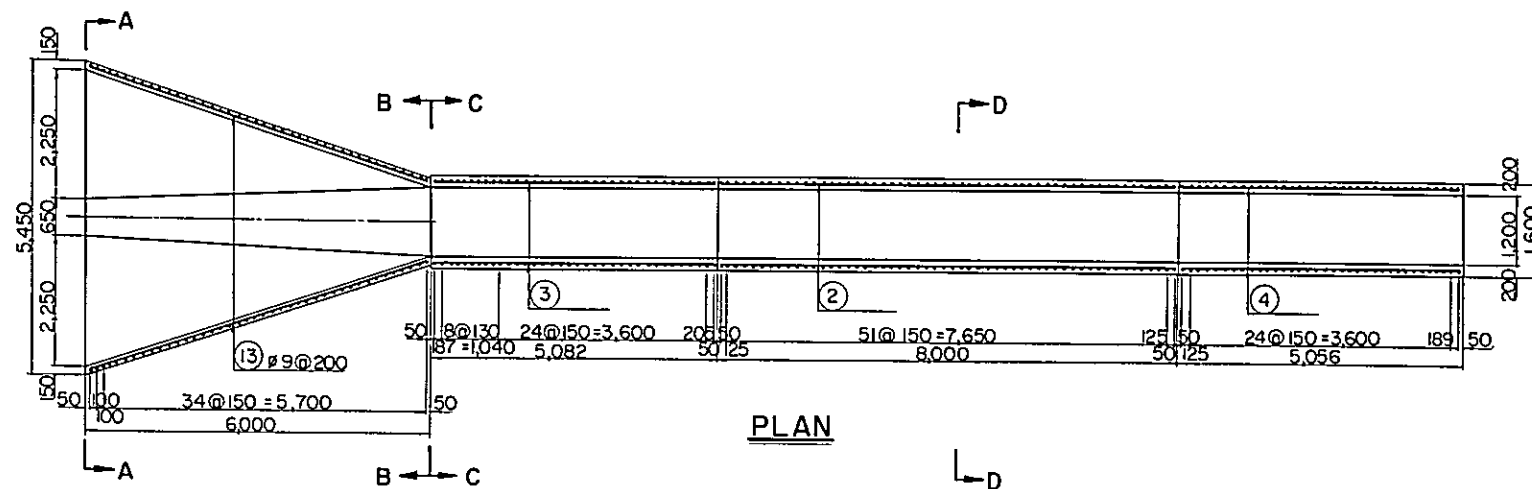
NOTES

All dimensions are given in millimeters
Unless otherwise shown, place reinforcement
so that the clear distance between
face of concrete and the nearest
reinforcement is 50mm except provide a
clear distance of 100mm from face of
concrete placed against earth
Lap all bars 30 diameters at splices
All reinforcing steel to be plain bar with
standard hook each end in addition to
length shown.
Hook with 180° bends, lengths of 10 bar
diameters to be provided where shown.
Use 10.5 bar diameter radii for bends of
main reinforcement at the corner of
rigid frame or Rahmen

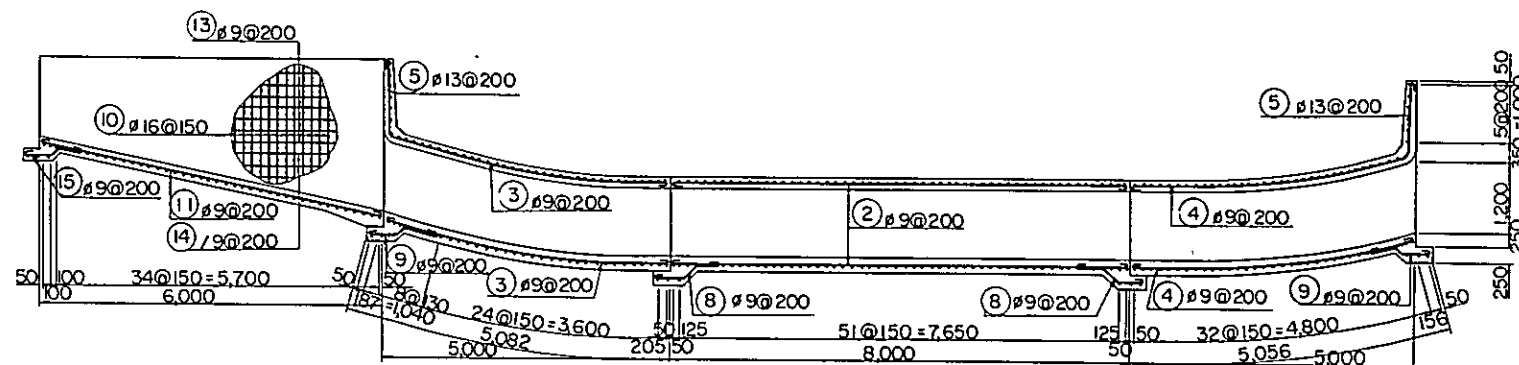


0 1,000 4,000
SCALE OF MILLIMETERS

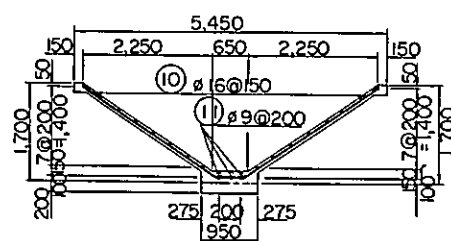
THE PHILIPPINES			
RICE AND CORN PRODUCTION COORDINATING COUNCIL			
REGIONAL RICE PRODUCTION CENTER			
SANMIGUEL - ALANGALANG			
MAIN WASTE WAY			
REINFORCEMENT SHEET			
OVERSEAS TECHNICAL COOPERATION AGENCY			
GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO	OF	DRAWING NO	D-30



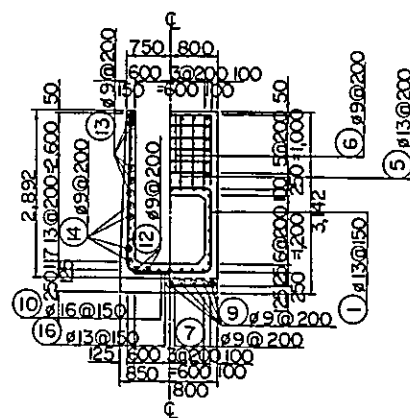
PLAN



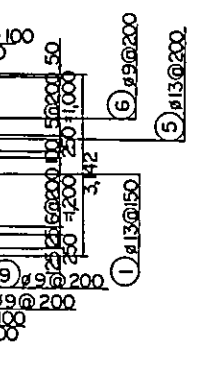
PROFILE



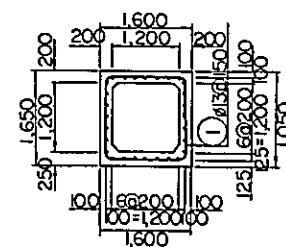
SECTION A-A



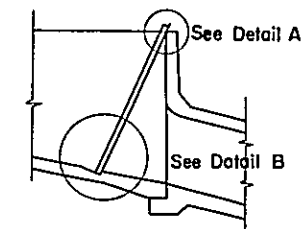
SECTION B-B



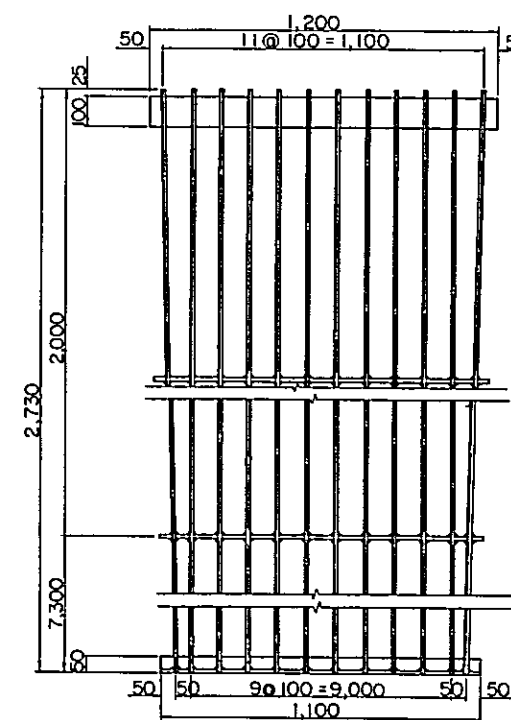
SECTION C-C



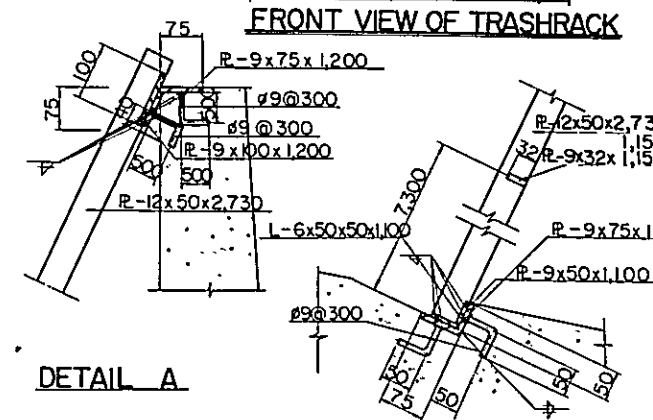
SECTION D-D



PROFILE OF TRASHRACK



FRONT VIEW OF TRASHRACK



SCALE OF MILLIMETERS

SCALE OF MILLIMETERS

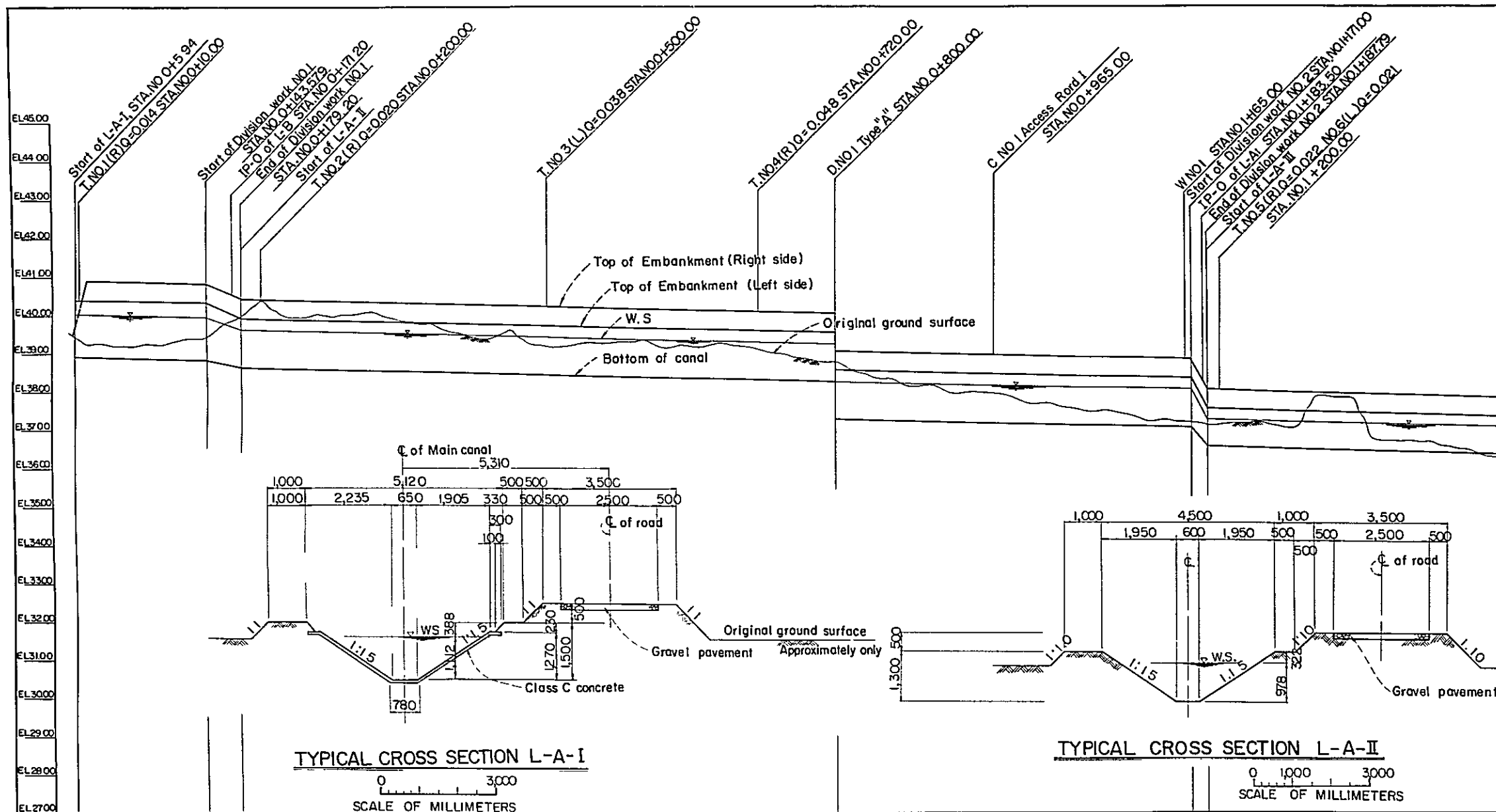
SCALE OF MILLIMETERS

NOTES

- All dimensions are given in millimeters.
- Unless otherwise shown, place reinforcement so that the clear distance between face of concrete and the nearest reinforcement is 50mm except provide a clear distance of 100mm from face of concrete placed against earth.
- Lap all bars 30 diameters at splices.
- All reinforcing steel to be plain bar with standard hook each end in addition to length shown.
- Hook with 180° bends, lengths of 10 bar diameters to be provided where shown.
- Use 105 bar diameter radii for bends of main reinforcement at the corner of rigid frame or Rahmen.
- For the fan reinforcement, all transverse steel to be placed in fanlike, so that spacing of bar not exceed the design pitch at outside.
- All welds to be full penetration continuous and smooth.

THE PHILIPPINES RICE AND CORN PRODUCTION COORDINATING COUNCIL			
REGIONAL RICE PRODUCTION CENTER SAN MIGUEL - ALANGALANG			
MAIN SIPHON REINFORCEMENT SHEET			
OVERSEAS TECHNICAL COOPERATION AGENCY GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO.	OF	DRAWING NO.	D-32



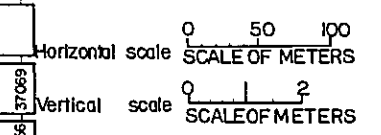


NOTES

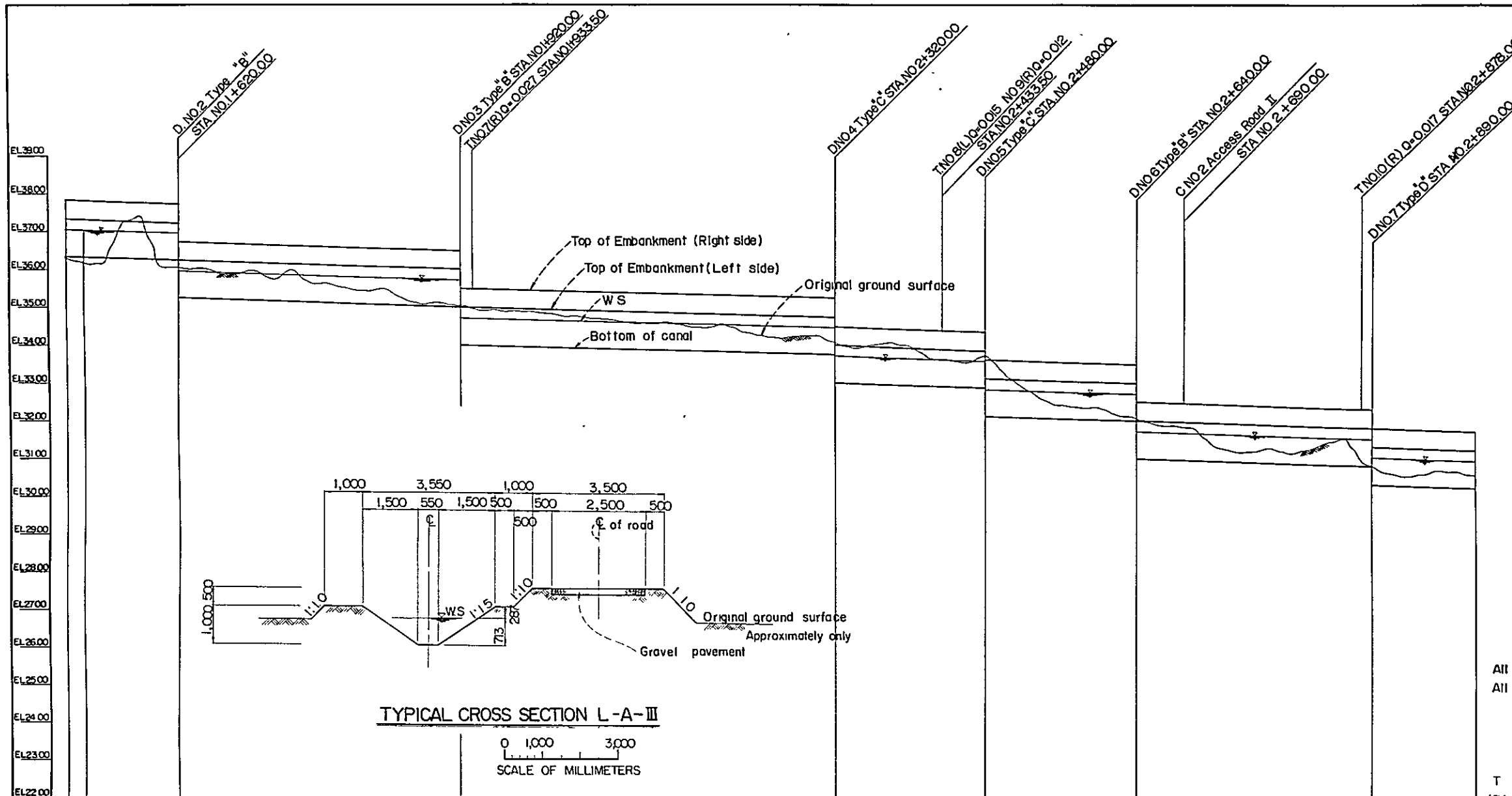
All dimensions are given in millimeters
All stations and elevations are given in meters

EXPLANATIONS

T = Turnout
(R) = Right side of Lateral
(L) = Left side of Lateral
D = Drop
W = Waste way
C = Culvert
Q = Discharge through turnout pipe.



CURVE	S.T.A.	DIST. BETWEEN S.T.A.	ACCU. DIST.	GROUND ELEV.	STATION OF CANAL	ELEV. OF W.S.	DEPTH OF EXCA.	GRAD.	DIVISION WORK NO 1			DIVISION WORK NO 2		
									L-A-I	L=137.639	I=1/1800	L-A-II	L=992.00	I=1/1,700
IP1 45° 52'	NO. 1	0.00	0.00	0.00	38.940	38.940	0.00	0.00	L=137.639	I=1/1800	L=992.00	I=1/1,700	L=2,565.72	I=1/1,400
	+20.00	14.08	20.00	39.24	38.932	40.044	0.308	0.00	L=137.639	I=1/1800	L=992.00	I=1/1,700	L=2,565.72	I=1/1,400
	+40.00	20.00	40.00	39.25	38.921	40.033	0.329	0.00	L=137.639	I=1/1800	L=992.00	I=1/1,700	L=2,565.72	I=1/1,400
	+60.00	20.00	60.00	39.19	38.910	40.022	0.280	0.00	L=137.639	I=1/1800	L=992.00	I=1/1,700	L=2,565.72	I=1/1,400
	+80.00	20.00	80.00	39.27	38.899	40.011	0.371	0.00	L=137.639	I=1/1800	L=992.00	I=1/1,700	L=2,565.72	I=1/1,400
	+100.00	20.00	100.00	39.26	38.888	40.000	0.372	0.00	L=137.639	I=1/1800	L=992.00	I=1/1,700	L=2,565.72	I=1/1,400
	+120.00	20.00	120.00	39.38	38.877	39.988	0.503	0.00	L=137.639	I=1/1800	L=992.00	I=1/1,700	L=2,565.72	I=1/1,400
	+140.00	20.00	140.00	39.41	38.865	39.978	0.544	0.00	L=137.639	I=1/1800	L=992.00	I=1/1,700	L=2,565.72	I=1/1,400
	+160.00	16.21	160.00	39.76	38.853	39.961	1.348	0.00	L=137.639	I=1/1800	L=992.00	I=1/1,700	L=2,565.72	I=1/1,400
	+179.20	19.20	179.20	40.01	38.842	39.952	1.739	0.00	L=137.639	I=1/1800	L=992.00	I=1/1,700	L=2,565.72	I=1/1,400
	+200.00	20.00	200.00	40.39	38.831	39.9629	1.739	0.00	L=137.639	I=1/1800	L=992.00	I=1/1,700	L=2,565.72	I=1/1,400
	+220.00	20.00	220.00	40.06	38.839	39.917	1.421	0.00	L=137.639	I=1/1800	L=992.00	I=1/1,700	L=2,565.72	I=1/1,400
	+240.00	20.00	240.00	39.94	38.827	39.605	1.313	0.00	L=137.639	I=1/1800	L=992.00	I=1/1,700	L=2,565.72	I=1/1,400
	+260.00	20.00	260.00	40.03	38.815	39.592	1.415	0.00	L=137.639	I=1/1800	L=992.00	I=1/1,700	L=2,565.72	I=1/1,400
	+280.00	20.00	280.00	39.98	38.804	39.582	1.376	0.00	L=137.639	I=1/1800	L=992.00	I=1/1,700	L=2,565.72	I=1/1,400
IP2 19° 45'	+300.00	20.00	300.00	40.03	39.592	39.570	1.438	0.00	L=137.639	I=1/1800	L=992.00	I=1/1,700	L=2,565.72	I=1/1,400
	+320.00	20.00	320.00	40.08	38.580	39.558	1.500	0.00	L=137.639	I=1/1800	L=992.00	I=1/1,700	L=2,565.72	I=1/1,400
	+340.00	20.00	340.00	39.90	38.568	39.546	1.332	0.00	L=137.639	I=1/1800	L=992.00	I=1/1,700	L=2,565.72	I=1/1,400
	+360.00	20.00	360.00	39.81	38.557	39.535	1.253	0.00	L=137.639	I=1/1800	L=992.00	I=1/1,700	L=2,565.72	I=1/1,400
	+380.00	20.00	380.00	39.76	38.545	39.523	1.215	0.00	L=137.639	I=1/1800	L=992.00	I=1/1,700	L=2,565.72	I=1/1,400
	+400.00	20.00	400.00	39.55	38.533	39.511	1.017	0.00	L=137.639	I=1/1800	L=992.00	I=1/1,700	L=2,565.72	I=1/1,400
	+420.00	20.00	420.00	39.44	38.521	39.499	0.919	0.00	L=137.639	I=1/1800	L=992.00	I=1/1,700	L=2,565.72	I=1/1,400
	+440.00	20.00	440.00	39.38	38.510	39.488	0.870	0.00	L=137.639	I=1/1800	L=992.00	I=1/1,700	L=2,565.72	I=1/1,400
	+460.00	20.00	460.00	39.62	38.498	39.476	1.122	0.00	L=137.639	I=1/1800	L=992.00	I=1/1,700	L=2,565.72	I=1/1,400
	+480.00	20.00	480.00	39.27	38.486	39.464	0.784	0.00	L=137.639	I=1/1800	L=992.00	I=1/1,700	L=2,565.72	I=1/1,400
	+500.00	20.00	500.00	39.18	38.474	39.452	0.706	0.00	L=137.639	I=1/1800	L=992.00	I=1/1,700	L=2,565.72	I=1/1,400
	+520.00	20.00	520.00	39.18	38.463	39.446	0.717	0.00	L=137.639	I=1/1800	L=992.00	I=1/1,700	L=2,565.72	I=1/1,400
	+540.00	20.00	540.00	39.29	38.451	39.429	0.839	0.00	L=137.639	I=1/1800	L=992.00	I=1/1,700	L=2,565.72	I=1/1,400
	+560.00	20.00	560.00	39.28	38.439	39.417	0.841	0.00	L=137.639	I=1/1800	L=992.00	I=1/1,700	L=2,565.72	I=1/1,400
	+580.00	20.00	580.00	39.32	38.427	39.405	0.893	0.00	L=137.639	I=1/1800	L=992.00	I=1/1,700	L=2,565.72	I=1/1,400
IP3 22° 45'	+600.00	20.00	600.00	39.36	38.415	39.393	0.945	0.00	L=137.639	I=1/1800	L=992.00	I=1/1,700	L=2,565.72	I=1/1,400
	+620.00	20.00	620.00	39.25	38.404	39.382	0.746	0.00	L=137.639	I=1/1800	L=992.00	I=1/1,700	L=2,565.72	I=1/1,400
	+640.00	20.00	640.00	39.14	38.392	39.370	0.648	0.00	L=137.639	I=1/1800	L=992.00	I=1/1,700	L=2,565.72	I=1/1,400
	+660.00	20.00	660.00	39.15	38.380	39.358	0.770	0.00	L=137.639	I=1/1800	L=992.00	I=1/1,700	L=2,565.72	I=1/1,400
	+680.00	20.00	680.00	39.26	38.368	39.346	0.892	0.00	L=137.639	I=1/1800	L=992.00	I=1/1,700	L=2,565.72	I=1/1,400
	+700.00	20.00	700.00	39.19	38.357	39.335	0.833	0.00	L=137.639	I=1/1800	L=992.00	I=1/1,700	L=2,565.72	I=1/1,400
	+720.00	20.00	720.00	39.12	38.345	39.323	0.775	0.00	L=137.639	I=1/1800	L=992.00	I=1/1,700	L=2,565.72	I=1/1,400
	+740.00	20.00	740.00	39.01	38.333	39.311	0.677	0.00	L=137.639	I=1/1800	L=992.00	I=1/1,700	L=2,565.72	I=1/1,400
	+760.00	20.00	760.00	38.89	38.321	39.299	0.659	0.00	L=137.639	I=1/1800	L=992.00	I=1/1,700	L=2,565.72	I=1/1,400
	+780.00	20.00	780.00	38.82	38.310	39.288	0.510	0.00	L=137.639	I=1/1800	L=992.00	I=1/1,700	L=2,565.72	I=1/1,400
	+800.00	20.00	800.00	38.81	38.298	39.276	0.512	0.00	L=137.639	I=1/1800	L=992.00	I=1/1,700	L=2,565.72	I=1/1,400
	+820.00	20.00	820.00	38.82	37.286	38.264	2.34	0.00	L=137.639	I=1/1800	L=992.00	I=1/1,700	L=2,565.72	I=1/1,400
	+840.00	20.00	840.00	38.37	37.274	38.252	1.096	0.00	L=137.639	I=1/1800	L=992.00	I=1/1,700	L=2,565.72	I=1/1,400
	+860.00	20.00	860.00	38.33	37.263	38.241	1.067	0.00	L=137.639	I=1/1800	L=992.00	I=1/1,700	L=2,565.72	I=1/1,400
	+880.00	20.00	880.00	38.12	37.251	38.229	0.869	0.00	L=137.639	I=1/1800	L=992.00	I=1/1,700	L=2,565.72	I=1/1,400
IP4 46° 11'	+900.00	20.00	900.00	38.19	37.239	38.217	0.951	0.00	L=137.639	I=1/1800	L=992.00	I=1/1,700	L=2,565.72	I=1/1,400
	+920.00	20.00	920.00	37.97	37.227	38.205	0.743	0.00	L=137.639	I=1/1800	L=992.00	I=1/1,700	L=2,565.72	I=1/1,400
	+940.00	20.00	940.00	38.00	37.216	38.194	0.784	0.00	L=137.639	I=1/1800	L=992.00	I=1/1,700	L=2,565.72	I=1/1,400
	+960.00	20.00	960.00	37.98	37.204	38.182	0.776	0.00	L=137.639	I=1/1800	L=992.00	I=1/1,700	L=2,565.72	I=1/1,400
	+980.00	20.00	980.00	37.90	37.192	38.170	0.708	0.00	L=137.639	I=1/1800	L=992.00	I=1/1,700	L=2,565.72	I=1/1,400
	NO. 1	20.00	1000.00	37.69	37.180	38.158	0.510	0.00	L=137.639	I=1/1800	L=992.00	I=1/1,700	L=2,565.72	I=1/1,400
	+2000.00	20.00	1000.00	37.70	37.169	38.147	0.531	0.00	L=137.639	I=1/1800	L=992.00	I=1/1,700	L=2,565.72	I=1/1,400
	+4000.00	20.00	1000.00	37.72	37.158	38.136	0.454	0.00	L=137.639	I=1/1800	L=992.00	I=1/1,700	L=2,565.72	I=1/1,400
	+779.20	19.20	1000.00	37.18	36.579	37.256	0.970	0.00	L=137.639	I=1/1800	L=992.00	I=1/1,700	L=2,565.72	I=1/1,400
	+187.79	7.79	1000.00	37.14	36.570	37.283	0.970	0.00	L=137.639	I=1/1800	L=992.00	I=1/1,700	L=2,565.72	I=1/1,400
	+2200.00	12.21	1000.00	37.17	36.556	37.269	0.614	0.00	L=137.639	I=1/1800	L=992.00	I=1/1,700	L=2,565.72	I=1/1,400
	+2400.00	20.00	1000.00	37.19	36.542	37.255	0.448	0.00	L=137.639	I=1/1800	L=992.00	I=1/1,700	L=2,565.72	I=1/1,400
	+2600.00	20.00	1000.00	37.09	36.527	37.240	0.563	0.00	L=137.639	I=1/1800	L=992.00	I=1/1,700	L=2,565.72	I=1/1,400
	+2800.00	20.00	1000.00	37.04	36.513	37.226	0.527	0.00	L=137.639	I=1/1800	L=992.00	I=1/1,700	L=2,565.72	I=1/1,400
	+3000.00	20.00	1000.00	37.08	36.499	37.212	1.381	0.00	L=137.639	I=1/1800	L=992.00	I=1/1,700	L=2,565.72	I=1/1,400
IP5 46° 11'	+3200.00	20.00	1000.00	36.74	36.442	37.155	0.298	0.00	L=137.639	I=1/1800	L=992.00	I=1/1,700	L=2,565.72	I=1/1,400
	+3400.00	20.00	1000.00	36.76	36.428	37.169	0.304	0.00	L=137.639	I=1/1800	L=992.00	I=1/1,700	L=2,565.72	I=1/1,400
	+3600.00	20.00	1000.00	36.74	36.414	37.183	1.360	0.00	L=137.639	I=1/1800	L=992.00	I=1/1,700	L=2,565.72	I=1/1,400
	+3800.00	20.00	1000.00	36.74	36.400	37.199	0.304	0.00	L=137.639	I=1/1800	L=992.00	I=1/1,700	L=2,565.72	I=1/1,400
	+4000.00	20.00	1000.00	36.74	36.386	37.215	0.310	0.00	L=137.639	I=1/1800	L=992.00	I=1/1,700	L=2,565.72	I=1/1,400
	+4200.00	20.00	1000.00	36.74	36.372	37.231	0.316	0.00	L=137.639	I=1/1800	L=992.00	I=1/1,700	L=2,565.72	I=1/1,400
	+4400.00	20.00	1000.00	36.56	36.358	37.247	0.322	0.00	L=137.639	I=1/1800	L=992.00	I=1/1,700	L=2,565.72	I=1/1,400
	+4600.00	20.00	1000.00	36.49	36.344	37.263	0.328	0.00	L=137.639	I=1/1800	L=992.00	I=1/1,700	L=2,565.72	I=1/1,400



NOTES

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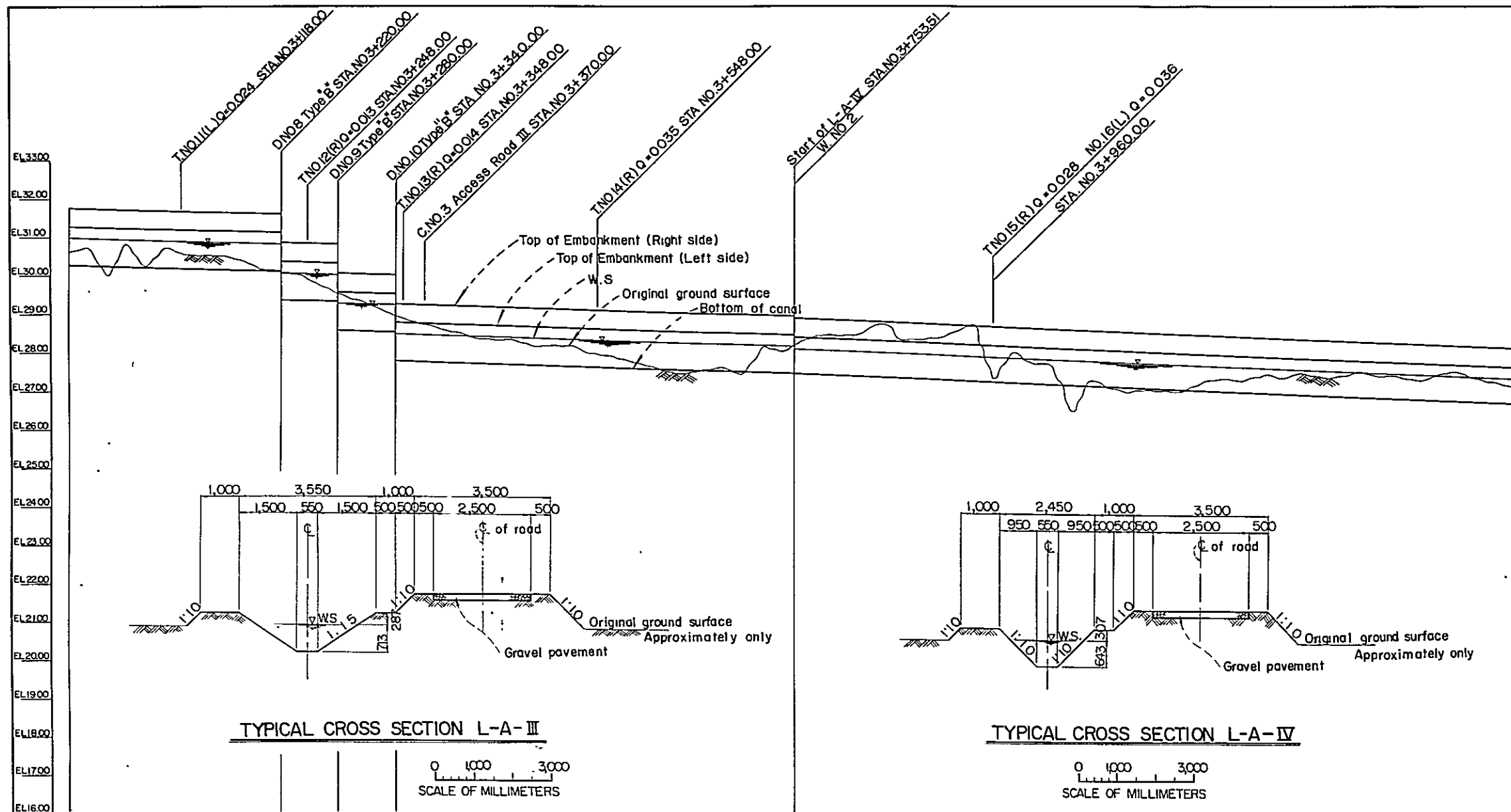
EXPLANATIONS

T = Turnout
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D = Drop
W = Waste way
C = Culvert
Q = Discharge through turnout pipe

Horizontal scale 0 50 100
SCALE OF METERS
Vertical scale 0 1 2
SCALE OF METERS

THE PHILIPPINES
RICE AND CORN PRODUCTION COORDINATING COUNCIL
REGIONAL RICE PRODUCTION CENTER
SANMIGUEL - ALANGALANGS
LATERAL A
PROFILE (2)
OVERSEAS TECHNICAL COOPERATION AGENCY
GOVERNMENT OF JAPAN
SCALE AS SHOWN DATE
SHEET NO 2 OF 5 DRAWING NO A-3

STA	DIS. STA	ACUM. DIST.	GROUND ELEV.	BOTTOM OF CANAL	ELEV. OF W.S.	DEPTH OF CANAL	GRAD.
NO 1	0+00	0.00	36.30	36.36	37.069	0.056	
	0+20	20.00	36.17	36.32	37.055	0.172	
	0+40	40.00	36.16	36.37	37.040	0.167	
	0+60	60.00	36.16	36.35	37.026	0.927	
	0+80	80.00	36.11	36.28	37.012	1.131	
	1+00	100.00	36.07	36.25	36.998	0.175	
	1+20	120.00	36.05	36.23	36.983	0.200	
	1+40	140.00	35.95	35.24	36.954	0.794	
	1+60	160.00	35.88	35.22	36.940	0.709	
	1+80	180.00	35.88	35.22	36.940	0.653	
	2+00	200.00	35.88	35.22	36.940	0.787	
	2+20	220.00	35.75	35.19	36.912	0.551	
	2+40	240.00	35.67	35.17	36.887	0.836	
	2+60	260.00	35.67	35.17	36.883	0.500	
	2+80	280.00	35.66	35.15	36.869	0.504	
	3+00	300.00	35.52	35.14	36.854	0.379	
	3+20	320.00	35.47	35.12	36.840	0.343	
	3+40	340.00	35.51	35.11	36.826	0.397	
	3+60	360.00	35.25	35.10	36.813	0.150	
	3+80	380.00	35.10	35.08	36.797	0.016	
	4+00	400.00	35.15	35.07	36.783	0.080	
	4+20	420.00	35.07	35.05	36.769	0.014	
	4+40	440.00	34.96	34.96	36.754	0.919	
	4+60	460.00	34.95	34.95	36.740	0.923	
	4+80	480.00	34.92	34.91	36.726	0.907	
	5+00	500.00	34.91	34.91	36.713	0.910	
	5+20	520.00	34.84	34.84	36.697	0.886	
	5+40	540.00	34.81	34.81	36.683	0.840	
	5+60	560.00	34.73	34.73	36.669	0.774	
	5+80	580.00	34.71	34.71	36.654	0.769	
	6+00	600.00	34.62	34.62	36.640	0.693	
	6+20	620.00	34.59	34.59	36.626	0.677	
	6+40	640.00	34.63	34.63	36.612	0.731	
	6+60	660.00	34.54	34.54	36.597	0.656	
	6+80	680.00	34.47	34.47	36.583	0.600	
	7+00	700.00	34.58	34.58	36.569	0.724	
	7+20	720.00	34.37	34.37	36.554	0.529	
	7+40	740.00	34.31	34.31	36.540	0.483	
	7+60	760.00	34.21	34.21	36.526	0.397	
	7+80	780.00	34.26	34.26	36.512	0.461	
	8+00	800.00	34.28	34.28	36.497	0.496	
	8+20	820.00	34.10	34.10	36.483	0.330	
	8+40	840.00	33.95	33.95	36.469	0.944	
	8+60	860.00	34.11	34.11	36.454	1.049	
	8+80	880.00	34.01	34.01	36.440	1.133	
	9+00	900.00	33.68	33.68	36.426	0.731	
	9+20	920.00	33.62	33.62	36.412	0.686	
	9+40	940.00	33.56	33.56	36.397	0.640	
	9+60	960.00	33.76	33.76	36.383	0.854	
	9+80	980.00	33.30	33.30	36.369	1.158	
	10+00	1000.00	32.89	32.89	36.354	0.763	
	10+20	1020.00	32.89	32.89	36.340	0.477	
	10+40	1040.00	32.59	32.59	36.326	0.341	
	10+60	1060.00	32.44	32.44	36.312	0.285	
	10+80	1080.00	32.37	32.37	36.298	0.300	
	11+00	1100.00	32.37	32.37	36.284	0.124	
	11+20	1120.00	32.18	32.18	36.269	0.038	
	11+40	1140.00	32.08	32.08	36.255	0.892	
	11+60	1160.00	31.92	31.92	36.241	0.877	
	11+80	1180.00	31.89	31.89	36.226	0.841	
	12+00	1200.00	31.84	31.84	36.212	0.405	
	12+20	1220.00	31.39	31.39	36.198	0.269	
	12+40	1240.00	31.24	31.24	36.184	0.274	
	12+60	1260.00	31.25	31.25	36.169	0.378	
	12+80	1280.00	31.32	31.32	36.155	0.272	
	13+00	1300.00	31.20	31.20	36.141	0.357	
	13+20	1320.00	31.27	31.27	36.126	0.571	
	13+40	1340.00	31.47	31.47	36.112	0.735	
	13+60	1360.00	31.62	31.62	36.098	0.669	
	13+80	1380.00	31.62	31.62	36.084	0.363	
	14+00	1400.00	30.94	30.94	36.070	0.257	
	14+20	1420.00	30.72	30.72	36.056	0.322	
	14+40	1440.00	30.60	30.60	36.042	0.436	
	14+60	1460.00	30.65	30.65	36.028	0.420	
	14+80	1480.00	30.75	30.75	36.014	0.315	
	15+00	1500.00	30.72	30.72	36.000	0.285	
	15+20	1520.00	30.60	30.60	35.986	0.315	



NOTES

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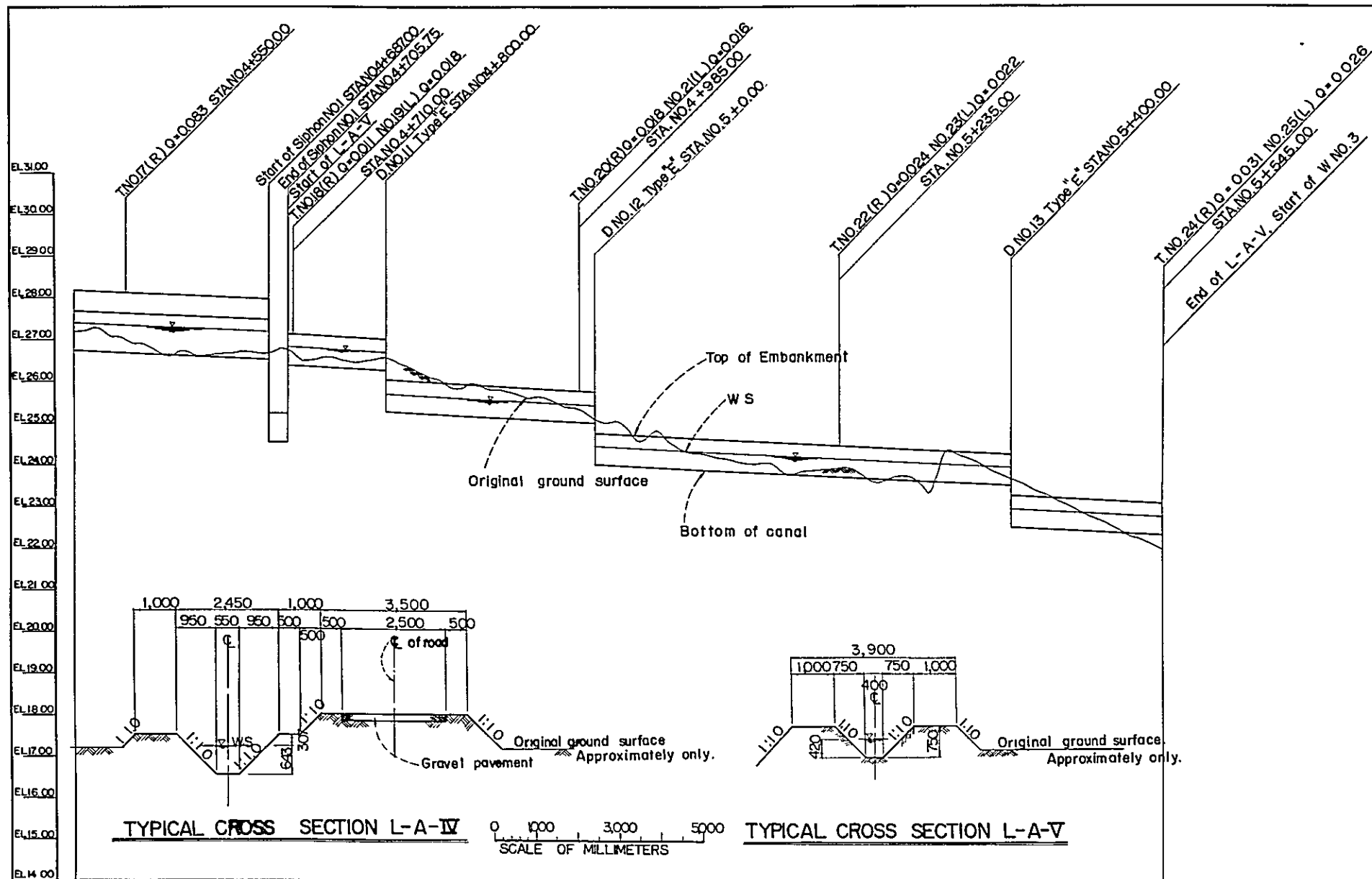
EXPLANATIONS

T = Turn out
(R) = Right side of Lateral
(L) = Left side of Lateral
D = Drop
W = Waste way
C = Culvert
O = Discharge through turnout pipe

Horizontal scale 0 50 100
SCALE OF METERS
Vertical scale 0 1 2
SCALE OF METERS

THE PHILIPPINES			
RICE AND CORN PRODUCTION COORDINATING COUNCIL			
REGIONAL RICE PRODUCTION CENTER			
SAN MIGUEL - ALANGALANG			
LATERAL A			
PROFILE (3)			
OVERSEAS TECHNICAL COOPERATION AGENCY			
GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO	3 OF 5	DRAWING NO	A - 4

STATION	D.I.S.T. (M)	ACCUM. DIST. (M)	GROUND ELEV. (M)	BOTTOM CANAL ELEV. (M)	ELEV. W.S. (M)	DEPTH (M)	GRAD. (%)	L - A - III		L - A - IV	
								2.56572	1.1400	933.49	1.100
NO 3	0.00	0.00	30.60	30.285	30.998	0.315					
+2000	20.00	3200.00	30.75	30.271	30.994	0.479					
+4000	40.00	3600.00	30.01	30.256	30.969	0.608					
+6000	60.00	3960.00	30.85	30.242	30.954	0.012					
+8000	80.00	4080.00	30.24	30.228	30.941	0.012					
+10000	100.00	4100.00	30.74	30.214	30.927	0.026					
+12000	120.00	4120.00	30.57	30.199	30.912	0.371					
+14000	140.00	4140.00	30.55	30.185	30.898	0.365					
+16000	160.00	4160.00	30.52	30.171	30.884	0.349					
+18000	180.00	4180.00	30.41	30.156	30.869	0.254					
+20000	200.00	4200.00	30.17	30.142	30.855	0.028					
+22000	220.00	4220.00	30.08	30.128	30.841	0.636					
+24000	240.00	4240.00	30.02	30.114	30.827	0.431					
+26000	260.00	4260.00	29.78	30.099	30.812	0.195					
+28000	280.00	4280.00	29.53	30.085	30.798	0.759					
+30000	300.00	4300.00	29.37	30.071	30.784	0.614					
+32000	320.00	4320.00	29.17	30.057	30.769	0.408					
+34000	340.00	4340.00	28.95	30.043	30.755	1.022					
+36000	360.00	4360.00	28.80	30.029	30.741	0.927					
+38000	380.00	4380.00	28.69	30.015	30.727	0.791					
+40000	400.00	4400.00	28.54	30.001	30.713	0.665					
+42000	420.00	4420.00	28.40	29.987	30.699	0.619					
+44000	440.00	4440.00	28.34	29.973	30.685	0.654					
+46000	460.00	4460.00	28.36	29.959	30.671	0.654					
+48000	480.00	4480.00	28.22	29.945	30.657	0.528					
+50000	500.00	4500.00	28.20	29.931	30.643	0.522					
+52000	520.00	4520.00	28.22	29.917	30.629	0.557					
+54000	540.00	4540.00	28.00	29.903	30.615	0.351					
+56000	560.00	4560.00	27.95	29.889	30.601	0.315					
+58000	580.00	4580.00	27.85	29.875	30.587	0.229					
+60000	600.00	4600.00	27.71	29.861	30.573	0.104					
+62000	620.00	4620.00	27.55	29.847	30.559	0.042					
+64000	640.00	4640.00	27.47	29.833	30.545	0.108					
+66000	660.00	4660.00	27.37	29.819	30.531	0.007					
+68000	680.00	4680.00	27.65	29.805	30.517	0.101					
+70000	700.00	4700.00	27.46	29.791	30.503	0.075					
+72000	720.00	4720.00	27.46	29.777	30.489	0.659					
+74000	740.00	4740.00	28.05	29.763	30.475	0.544					
+76000	760.00	4760.00	28.32	29.749	30.461	0.829					
+78000	780.00	4780.00	28.49	29.735	30.447	1.017					
+80000	800.00	4800.00	28.47	29.721	30.433	1.015					
+82000	820.00	4820.00	28.49	29.707	30.419	1.053					
+84000	840.00	4840.00	28.78	29.693	30.405	1.362					
+86000	860.00	4860.00	28.43	29.679	30.391	1.030					
+88000	880.00	4880.00	28.37	29.665	30.377	0.988					
+90000	900.00	4900.00	28.42	29.651	30.363	1.056					
+92000	920.00	4920.00	28.38	29.637	30.349	1.234					
+94000	940.00	4940.00	28.78	29.623	30.335	1.453					
+96000	960.00	4960.00	27.37	29.609	30.321	0.061					
+98000	980.00	4980.00	28.05	29.595	30.307	0.759					
+100000	1000.00	5000.00	27.78	29.581	30.293	0.507					
+102000	1020.00	5020.00	27.76	29.567	30.279	0.506					
+104000	1040.00	5040.00	26.54	29.553	30.265	0.112					
+106000	1060.00	5060.00	27.33	29.539	30.251	0.112					
+108000	1080.00	5080.00	27.14	29.525	30.237	0.643					
+110000	1100.00	5100.00	27.05	29.511	30.223	0.132					
+112000	1120.00	5120.00	27.13	29.497	30.209	0.034					
+114000	1140.00	5140.00	27.08	29.483	30.195	0.066					
+116000	1160.00	5160.00	27.09	29.469	30.181	0.037					
+118000	1180.00	5180.00	27.34	29.455	30.167	0.231					
+120000	1200.00	5200.00	27.34	29.441	30.153	0.309					
+122000	1220.00	5220.00	27.36	29.427	30.139	0.287					
+124000	1240.00	5240.00	27.50	29.413	30.125	0.445					
+126000	1260.00	5260.00	27.43	29.399	30.111	0.393					
+128000	1280.00	5280.00	27.55	29.385	30.097	0.532					
+130000	1300.00	5300.00	27.44	29.371	30.083	0.440					
+132000	1320.00	5320.00	27.47	29.357	30.069	0.488					
+134000	1340.00	5340.00	27.60	29.343	30.055	0.638					
+136000	1360.00	5360.00	27.48	29.329	30.041	0.534					
+138000	1380.00	5380.00	27.46	29.315	30.027	0.533					
+140000	1400.00	5400.00	27.35	29.301	30.013	0.441					
+142000	1420.00	5420.00	27.49	29.287	30.000	0.589					
+144000	1440.00	5440.00	27.57	29.273	29.986	0.697					
+146000	1460.00	5460.00	27.42	29.259	29.972	0.565					
+148000	1480.00	5480.00	27.32	29.245	29.958	0.483					
+150000	1500.00	5500.00	27.18	29.231	29.944	0.362					



NOTES

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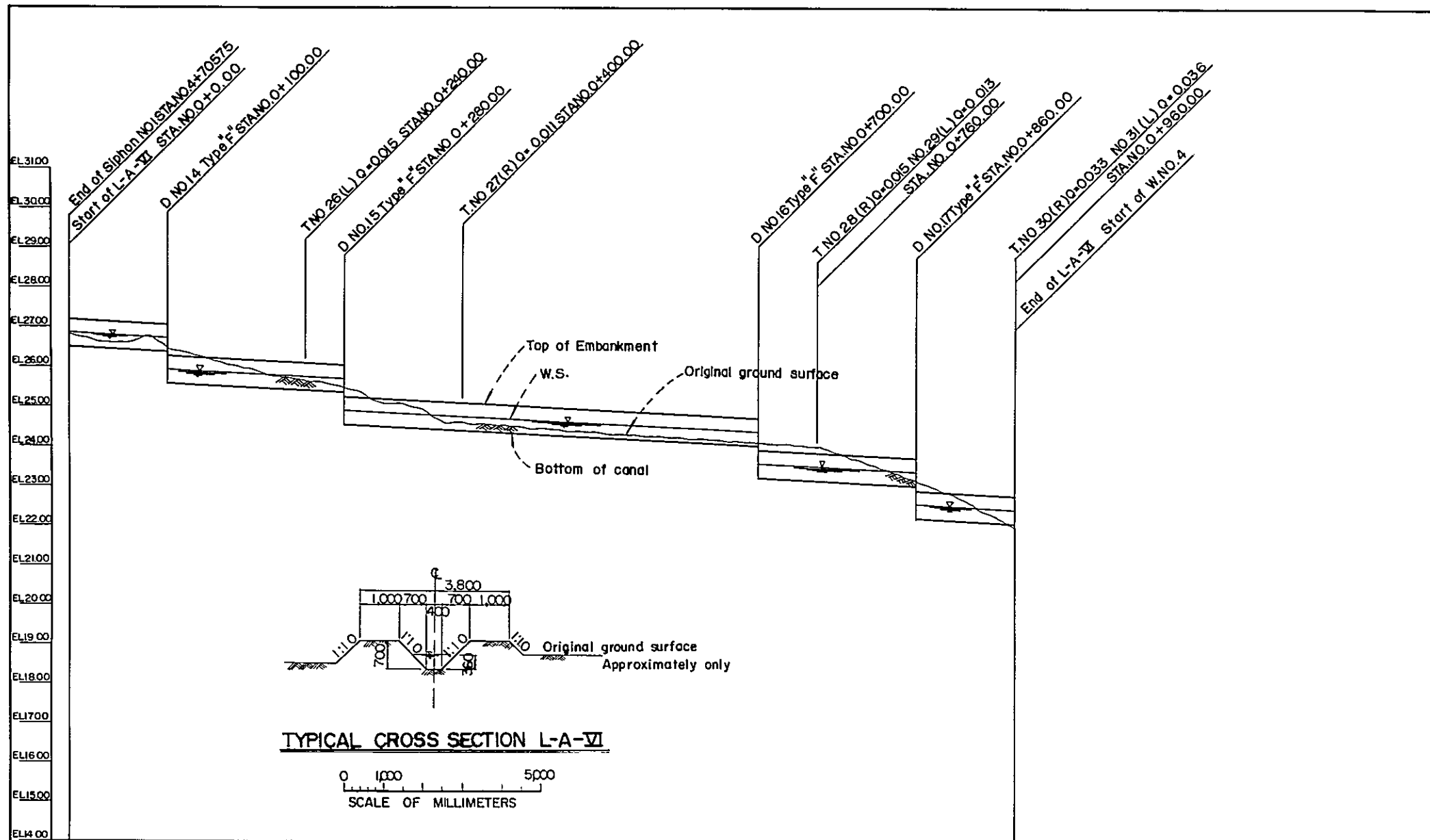
EXPLANATIONS

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Horizontal scale 0 50 100
SCALE OF METERS
Vertical scale 0 1 2
SCALE OF METERS

THE PHILIPPINES RICE AND CORN PRODUCTION COORDINATING COUNCIL		
REGIONAL RICE PRODUCTION CENTER SAN MIGUEL - ALANGALANG		
LATERAL A PROFILE (4)		
OVERSEAS TECHNICAL COOPERATION AGENCY GOVERNMENT OF JAPAN		
SCALE	AS SHOWN	DATE
SHEET NO	4 OF 5	DRAWING NO
		A - 5

STATION	STA.	DIST. FROM STA. 0+000	ACCUM. DIST.	GROUND ELEV.	BOTTOM ELEV.	DEPTH	HEIGHT	GRAD.
14	0+000	0.00	0.00	27.18	26.81	0.362	0.026	L-A-IV I=933.49 I=1/1100
15	0+020	20.00	20.00	27.28	26.80	0.480	0.047	L-A-V I=634.25 I=1/800
16	0+040	40.00	40.00	27.08	26.78	0.298	0.089	
17	0+060	60.00	60.00	26.92	26.76	0.156	0.031	
18	0+080	80.00	80.00	26.72	26.74	0.026	0.047	
19	0+100	100.00	100.00	26.68	26.72	0.047	0.026	
20	0+120	120.00	120.00	26.62	26.70	0.078	0.025	
21	0+140	140.00	140.00	26.58	26.69	0.110	0.120	
22	0+160	160.00	160.00	26.51	26.67	0.156	0.125	
23	0+180	180.00	180.00	26.48	26.63	0.156	0.195	
24	0+200	200.00	200.00	26.48	26.63	0.156	0.101	
25	0+220	220.00	220.00	26.48	26.63	0.156	0.805	
26	0+240	240.00	240.00	26.48	26.63	0.156	0.580	
27	0+260	260.00	260.00	26.48	26.63	0.156	0.665	
28	0+280	280.00	280.00	26.48	26.63	0.156	0.560	
29	0+300	300.00	300.00	26.48	26.63	0.156	0.505	
30	0+320	320.00	320.00	26.48	26.63	0.156	0.420	
31	0+340	340.00	340.00	26.48	26.63	0.156	0.375	
32	0+360	360.00	360.00	26.48	26.63	0.156	0.240	
33	0+380	380.00	380.00	26.48	26.63	0.156	0.980	
34	0+400	400.00	400.00	26.48	26.63	0.156	0.505	
35	0+420	420.00	420.00	26.48	26.63	0.156	0.780	
36	0+440	440.00	440.00	26.48	26.63	0.156	0.385	
37	0+460	460.00	460.00	26.48	26.63	0.156	0.270	
38	0+480	480.00	480.00	26.48	26.63	0.156	0.225	
39	0+500	500.00	500.00	26.48	26.63	0.156	0.120	
40	0+520	520.00	520.00	26.48	26.63	0.156	0.135	
41	0+540	540.00	540.00	26.48	26.63	0.156	0.050	
42	0+560	560.00	560.00	26.48	26.63	0.156	0.015	
43	0+580	580.00	580.00	26.48	26.63	0.156	0.070	
44	0+600	600.00	600.00	26.48	26.63	0.156	0.115	
45	0+620	620.00	620.00	26.48	26.63	0.156	0.375	
46	0+640	640.00	640.00	26.48	26.63	0.156	0.690	
47	0+660	660.00	660.00	26.48	26.63	0.156	0.485	
48	0+680	680.00	680.00	26.48	26.63	0.156	0.170	
49	0+700	700.00	700.00	26.48	26.63	0.156	0.065	
50	0+720	720.00	720.00	26.48	26.63	0.156	0.850	
51	0+740	740.00	740.00	26.48	26.63	0.156	0.635	
52	0+760	760.00	760.00	26.48	26.63	0.156	0.440	
53	0+780	780.00	780.00	26.48	26.63	0.156	0.215	
54	0+800	800.00	800.00	26.48	26.63	0.156	0.010	
55	0+820	820.00	820.00	26.48	26.63	0.156	0.205	
56	0+840	840.00	840.00	26.48	26.63	0.156	0.410	
57	0+860	860.00	860.00	26.48	26.63	0.156		
58	0+880	880.00	880.00	26.48	26.63	0.156		
59	0+900	900.00	900.00	26.48	26.63	0.156		
60	0+920	920.00	920.00	26.48	26.63	0.156		
61	0+940	940.00	940.00	26.48	26.63	0.156		
62	0+960	960.00	960.00	26.48	26.63	0.156		
63	0+980	980.00	980.00	26.48	26.63	0.156		
64	0+1000	1000.00	1000.00	26.48	26.63	0.156		



NOTES

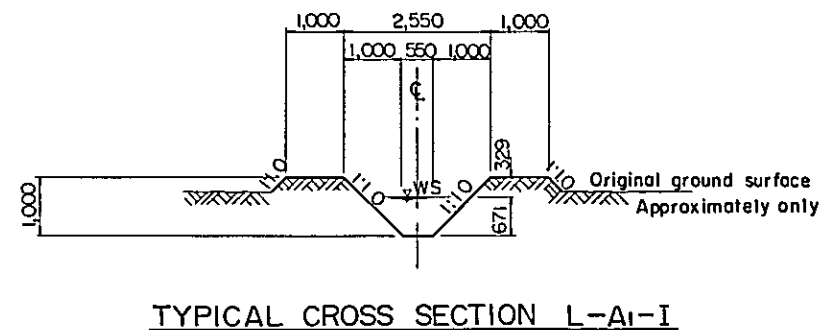
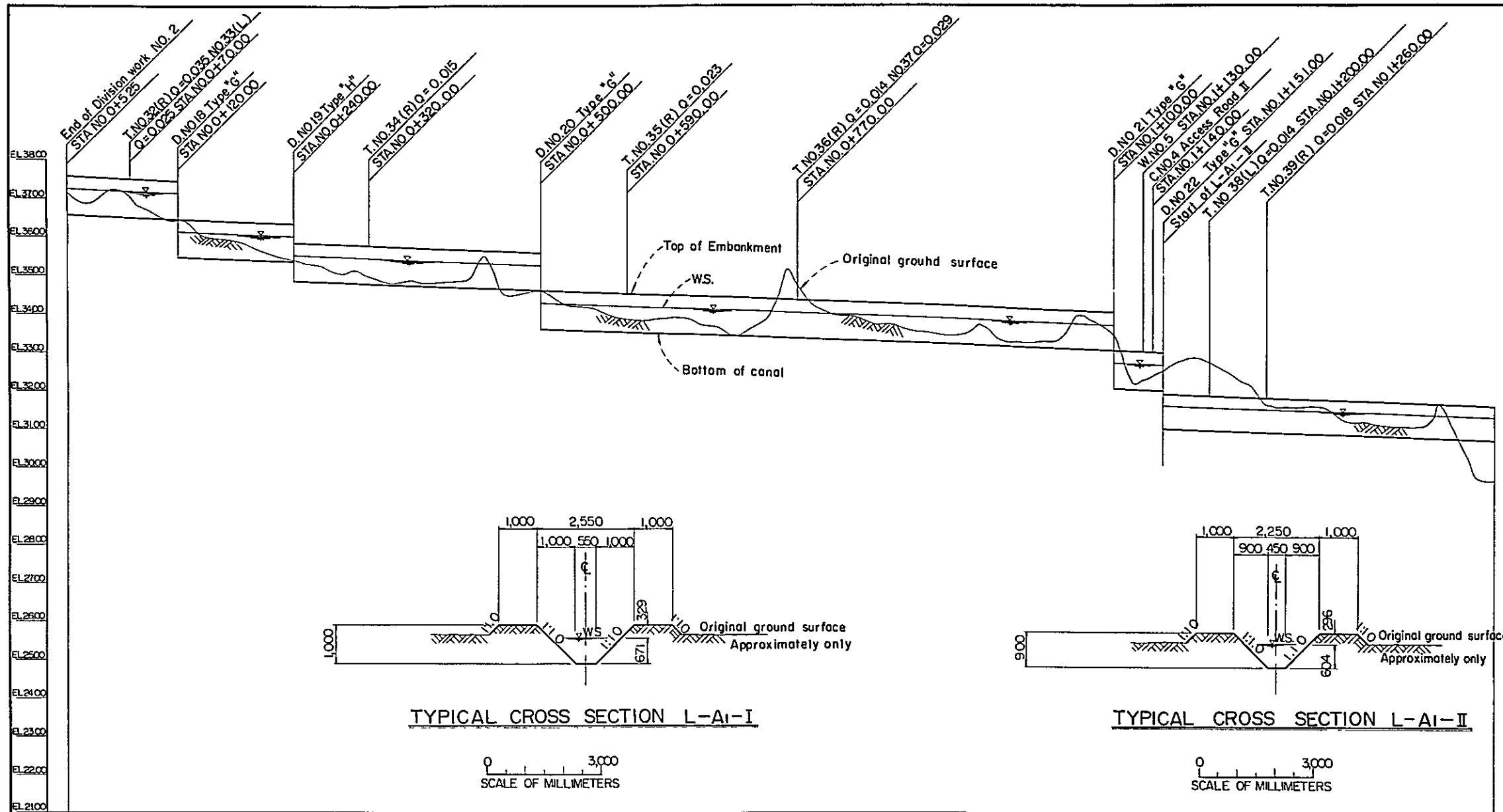
All dimensions are given in millimeters.
All stations and elevations are given in meters

EXPLANATIONS

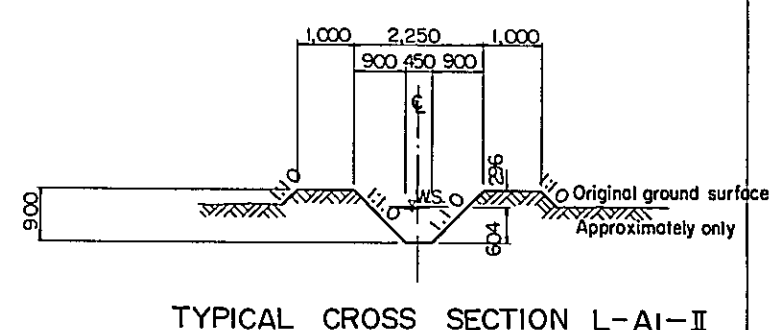
T = Turnout
(R) = Right side of Lateral
(L) = Left side of Lateral
D = Drop
W = Waste way
C = Culvert
Q = Discharge through turnout pipe

Horizontal scale 0 50 100
SCALE OF METERS
Vertical scale 0 1 2
SCALE OF METERS

STATION	GRAD.	DEPTH OF CUT	ELEV. OF CANAL	WASTE WAY	DISCHARGE
NO. 0	0.00	0.227	25.523	0.018	0.163
+20.00	0.00	0.152	25.538		
+40.00	0.00	0.077	25.513		
+60.00	0.00	0.082	25.498		
+80.00	0.00	0.297	25.463		
+100.00	0.00	0.727	25.438		
+120.00	0.00	0.592	25.630		
+140.00	0.00	0.467	25.613		
+160.00	0.00	0.412	25.598		
+180.00	0.00	0.267	25.553		
+200.00	0.00	0.222	25.513		
+220.00	0.00	0.167	25.488		
+240.00	0.00	0.132	25.463		
+260.00	0.00	0.087	25.438		
+280.00	0.00	0.072	25.413		
+300.00	0.00	0.062	25.398		
+320.00	0.00	0.047	25.373		
+340.00	0.00	0.037	25.348		
+360.00	0.00	0.022	25.323		
+380.00	0.00	0.012	25.298		
+400.00	0.00	0.007	25.273		
+420.00	0.00	0.002	25.248		
+440.00	0.00	0.002	25.223		
+460.00	0.00	0.002	25.198		
+480.00	0.00	0.002	25.173		
+500.00	0.00	0.002	25.148		
+520.00	0.00	0.002	25.123		
+540.00	0.00	0.002	25.098		
+560.00	0.00	0.002	25.073		
+580.00	0.00	0.002	25.048		
+600.00	0.00	0.002	25.023		
+620.00	0.00	0.002	24.998		
+640.00	0.00	0.002	24.973		
+660.00	0.00	0.002	24.948		
+680.00	0.00	0.002	24.923		
+700.00	0.00	0.002	24.898		
+720.00	0.00	0.002	24.873		
+740.00	0.00	0.002	24.848		
+760.00	0.00	0.002	24.823		
+780.00	0.00	0.002	24.798		
+800.00	0.00	0.002	24.773		
+820.00	0.00	0.002	24.748		
+840.00	0.00	0.002	24.723		
+860.00	0.00	0.002	24.698		
+880.00	0.00	0.002	24.673		
+900.00	0.00	0.002	24.648		
+920.00	0.00	0.002	24.623		
+940.00	0.00	0.002	24.598		
+960.00	0.00	0.002	24.573		



0 3,000
SCALE OF MILLIMETERS



0 3,000
SCALE OF MILLIMETERS

NOTES

All dimensions are given in millimeters.
All stations and elevations are given in meters

EXPLANATIONS

T = Turnout
(R) = Right side of Lateral
(L) = Left side of Lateral
D = Drop
W = Waste way
C = Culvert
Q = Discharge through turnout pipe

L-AI-I $f=1:45.75$ $I=1/1,100$		L-AI-II $f=2:129.00$ $I=1/1,250$	
STA.	DIST. STA.	STA.	DIST. STA.
0+00	0.00	0+00	0.00
0+20	20.00	0+20	20.00
0+40	40.00	0+40	40.00
0+60	60.00	0+60	60.00
0+80	80.00	0+80	80.00
0+100	100.00	0+100	100.00
0+120	120.00	0+120	120.00
0+140	140.00	0+140	140.00
0+160	160.00	0+160	160.00
0+180	180.00	0+180	180.00
0+200	200.00	0+200	200.00
0+220	220.00	0+220	220.00
0+240	240.00	0+240	240.00
0+260	260.00	0+260	260.00
0+280	280.00	0+280	280.00
0+300	300.00	0+300	300.00
0+320	320.00	0+320	320.00
0+340	340.00	0+340	340.00
0+360	360.00	0+360	360.00
0+380	380.00	0+380	380.00
0+400	400.00	0+400	400.00
0+420	420.00	0+420	420.00
0+440	440.00	0+440	440.00
0+460	460.00	0+460	460.00
0+480	480.00	0+480	480.00
0+500	500.00	0+500	500.00
0+520	520.00	0+520	520.00
0+540	540.00	0+540	540.00
0+560	560.00	0+560	560.00
0+580	580.00	0+580	580.00
0+600	600.00	0+600	600.00
0+620	620.00	0+620	620.00
0+640	640.00	0+640	640.00
0+660	660.00	0+660	660.00
0+680	680.00	0+680	680.00
0+700	700.00	0+700	700.00
0+720	720.00	0+720	720.00
0+740	740.00	0+740	740.00
0+760	760.00	0+760	760.00
0+780	780.00	0+780	780.00
0+800	800.00	0+800	800.00
0+820	820.00	0+820	820.00
0+840	840.00	0+840	840.00
0+860	860.00	0+860	860.00
0+880	880.00	0+880	880.00
0+900	900.00	0+900	900.00
0+920	920.00	0+920	920.00
0+940	940.00	0+940	940.00
0+960	960.00	0+960	960.00
0+980	980.00	0+980	980.00
0+1000	1000.00	0+1000	1000.00
0+1020	1020.00	0+1020	1020.00
0+1040	1040.00	0+1040	1040.00
0+1060	1060.00	0+1060	1060.00
0+1080	1080.00	0+1080	1080.00
0+1100	1100.00	0+1100	1100.00
0+1120	1120.00	0+1120	1120.00
0+1140	1140.00	0+1140	1140.00
0+1160	1160.00	0+1160	1160.00
0+1180	1180.00	0+1180	1180.00
0+1200	1200.00	0+1200	1200.00
0+1220	1220.00	0+1220	1220.00
0+1240	1240.00	0+1240	1240.00
0+1260	1260.00	0+1260	1260.00
0+1280	1280.00	0+1280	1280.00
0+1300	1300.00	0+1300	1300.00
0+1320	1320.00	0+1320	1320.00
0+1340	1340.00	0+1340	1340.00
0+1360	1360.00	0+1360	1360.00
0+1380	1380.00	0+1380	1380.00
0+1400	1400.00	0+1400	1400.00
0+1420	1420.00	0+1420	1420.00
0+1440	1440.00	0+1440	1440.00
0+1460	1460.00	0+1460	1460.00
0+1480	1480.00	0+1480	1480.00
0+1500	1500.00	0+1500	1500.00



Horizontal scale 0 50 100
Vertical scale 0 1 2
SCALE OF METERS



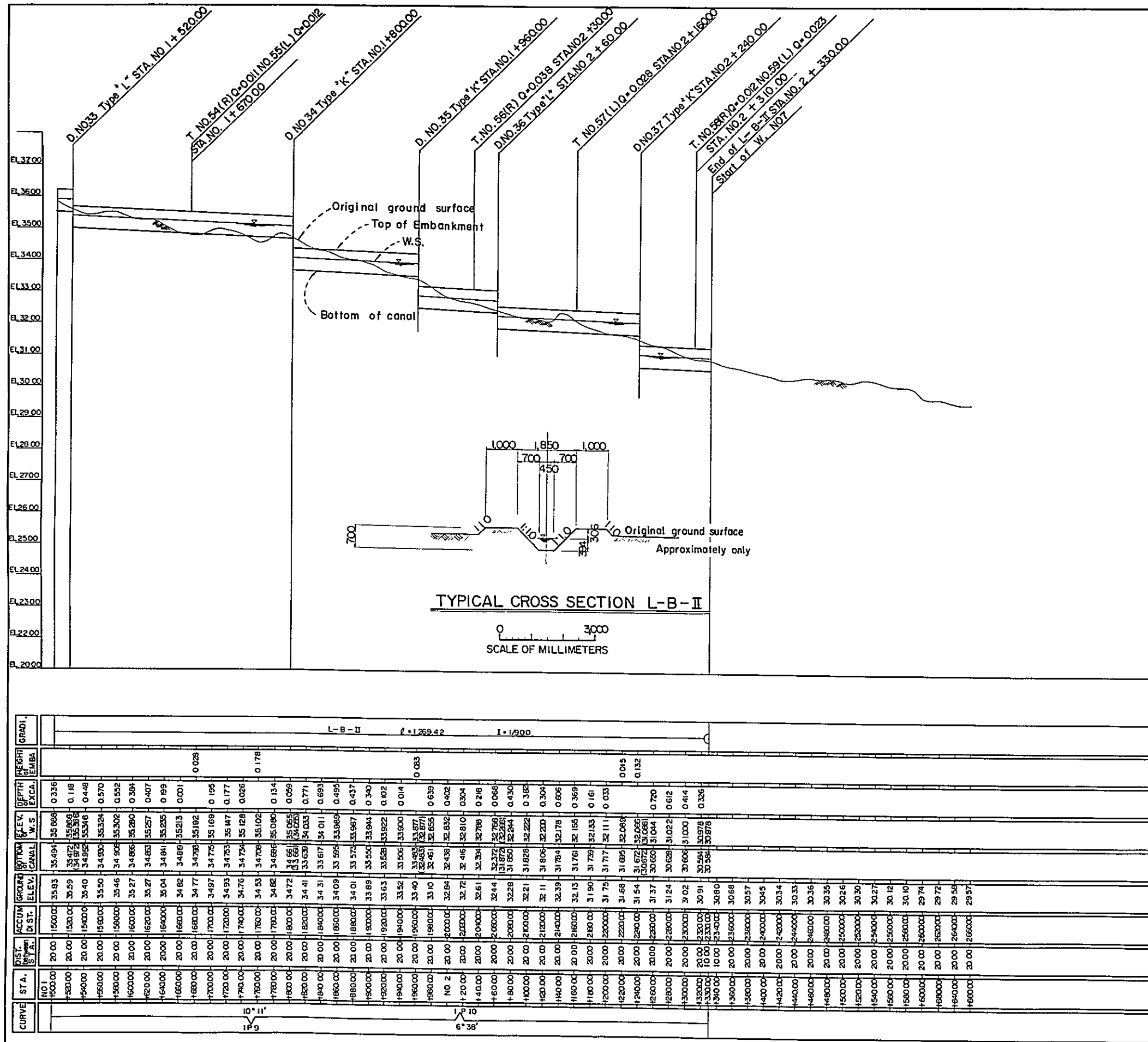
0 1,000 3,000
SCALE OF MILLIMETERS

All dimensions are given in millimeters.
All stations and elevations are given in meters

T = Turnout
(R) = Right side of Lateral
(L) = Left side of Lateral
D = Drop
W = Waste way
C = Culvert
Q = Discharge through turnout pipe

Horizontal scale 
Vertical scale 

THE PHILIPPINES			
<u>RICE AND CORN PRODUCTION COORDINATING COUNCIL</u>			
REGIONAL RICE PRODUCTION CENTER			
SANMIGUEL - ALANGALANG			
LATERAL A1			
PROFILE (3)			
OVERSEAS TECHNICAL COOPERATION AGENCY,			
GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO	3 OF 5	DRAWING NO	A - 9



NOTES

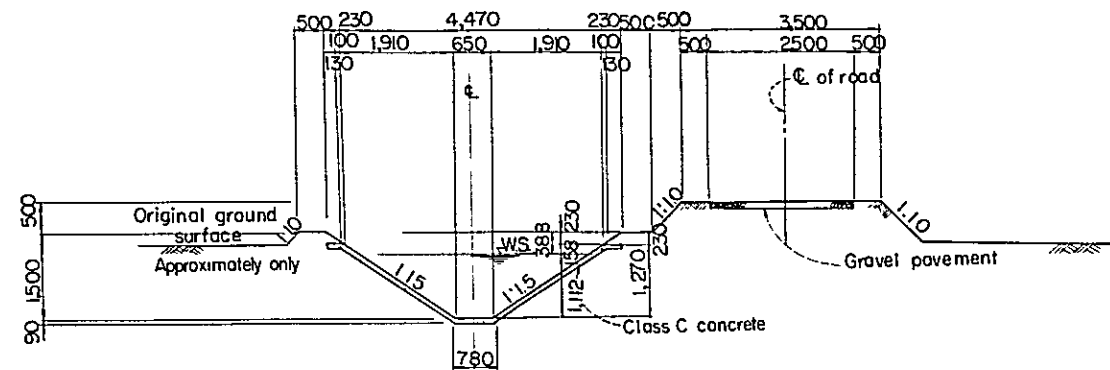
All dimensions are given in millimeters.
All stations and elevations are given in meters

EXPLANATIONS

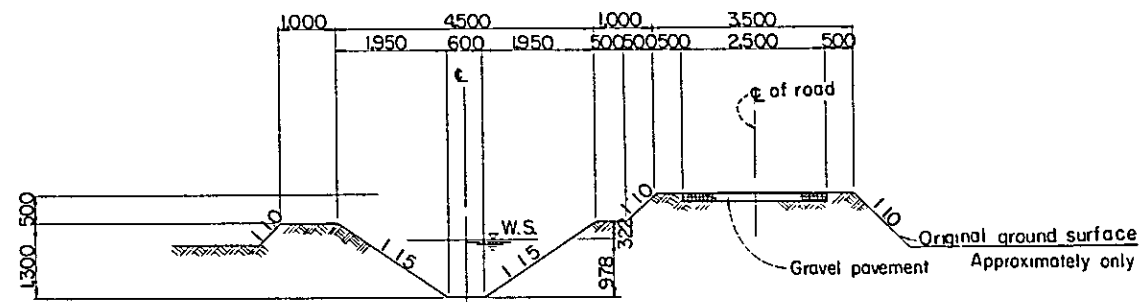
T = Turnout
(R) = Right side of Lateral
(L) = Left side of Lateral
D = Drop
W = Waste way
C = Culvert
Q = Discharge through turnout pipe

Horizontal scale 0 50 100
SCALE OF METERS
Vertical scale 0 1 2
SCALE OF METERS

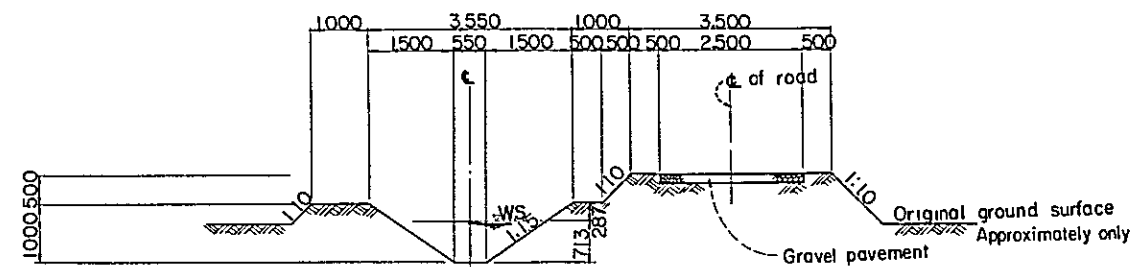
THE PHILIPPINES	
RICE AND CORN PRODUCTION COORDINATING COUNCIL	
REGIONAL RICE PRODUCTION CENTER	
SAN MIGUEL-ALANGALANG	
LATERAL B	
PROFILE (2)	
OVERSEAS TECHNICAL COOPERATION AGENCY	
GOVERNMENT OF JAPAN	
SCALE	AS SHOWN
SHEET NO	2 OF 2
DATE	
DRAWING NO	A-11



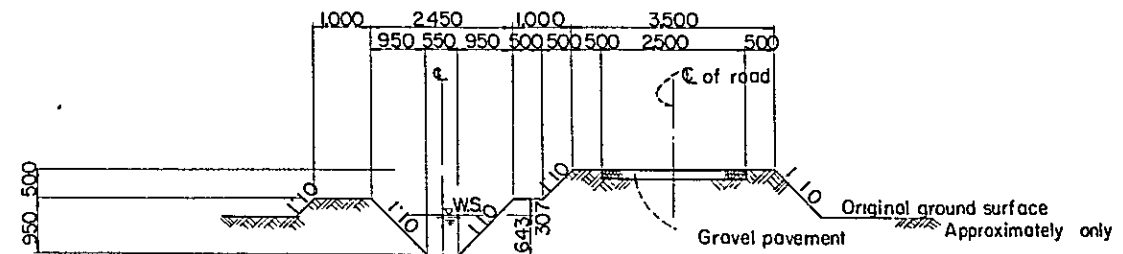
LATERAL-A-I



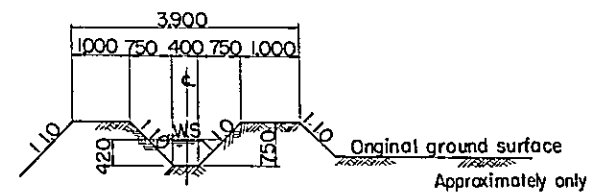
LATERAL-A-II



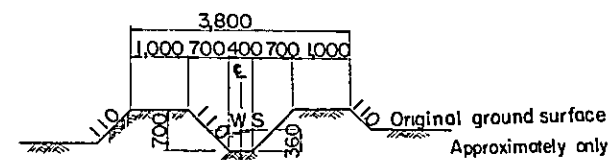
LATERAL-A-III



LATERAL-A-IV



LATERAL-A-V



LATERAL-A-VI

TABLE OF HYDRAULIC PROPERTIES

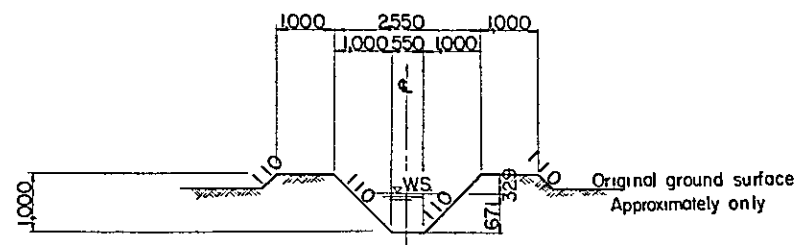
NAME OF CANAL	HYDRAULIC DEPTH	HYDRAULIC GRADIENT	SIDE SLOPE	BOTTOM WIDTH	VELOCITY	DISCHARGE	REMARKS
LATERAL A-I	1.112	1/1800	1.15	0.650	1.059	2.730	
LATERAL A-II	0.978	1/1700	1.15	0.600	0.602	1.215	
LATERAL A-III	0.713	1/1400	1.15	0.550	0.550	0.635	
LATERAL A-IV	0.643	1/1100	1.10	0.550	0.568	0.435	
LATERAL A-V	0.420	1/800	1.10	0.400	0.497	0.166	
LATERAL A-VI	0.360	1/800	1.10	0.400	0.450	0.122	

NOTE

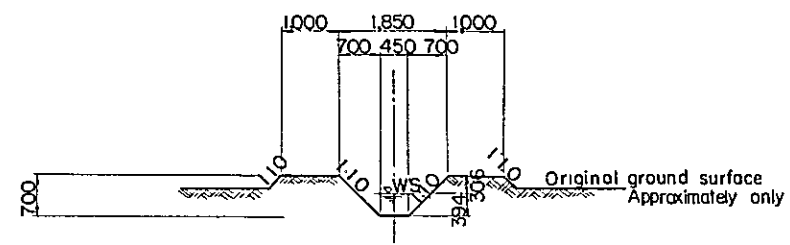
All dimensions are given in millimeters.

0 1000 3000 5000
SCALE OF MILLIMETERS

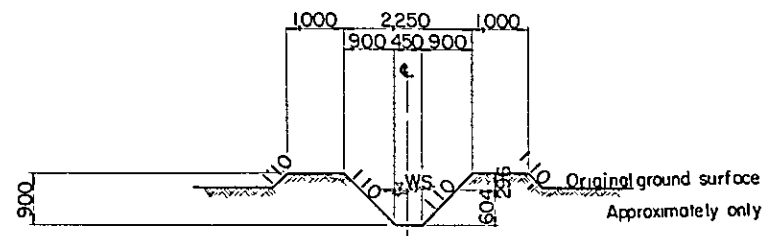
THE PHILIPPINES RICE AND CORN PRODUCTION COORDINATING COUNCIL			
REGIONAL RICE PRODUCTION CENTER SANMIGUEL - ALANGALANG			
LATERAL A TYPICAL CROSS SECTIONS			
OVERSEAS TECHNICAL COOPERATION AGENCY GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO	OF	DRAWING NO	A - 12



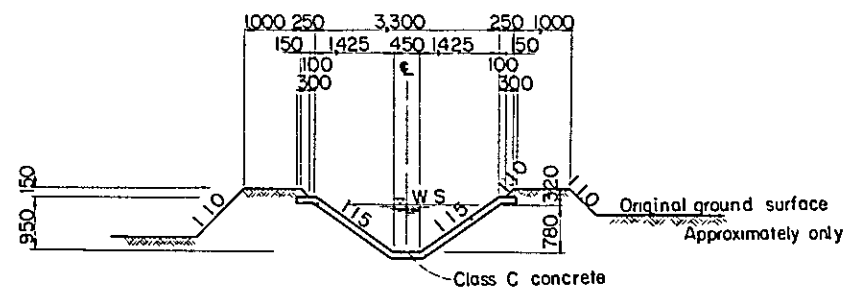
LATERAL-A-I



LATERAL-B-II



LATERAL-A-II



LATERAL-B-I

TABLE OF HYDRAULIC PROPERTIES

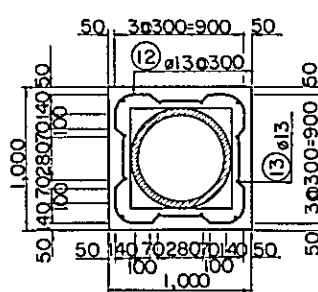
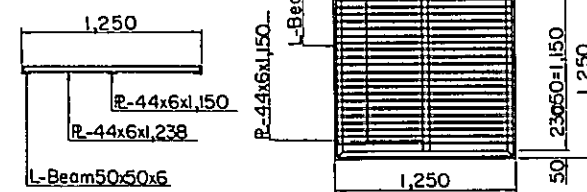
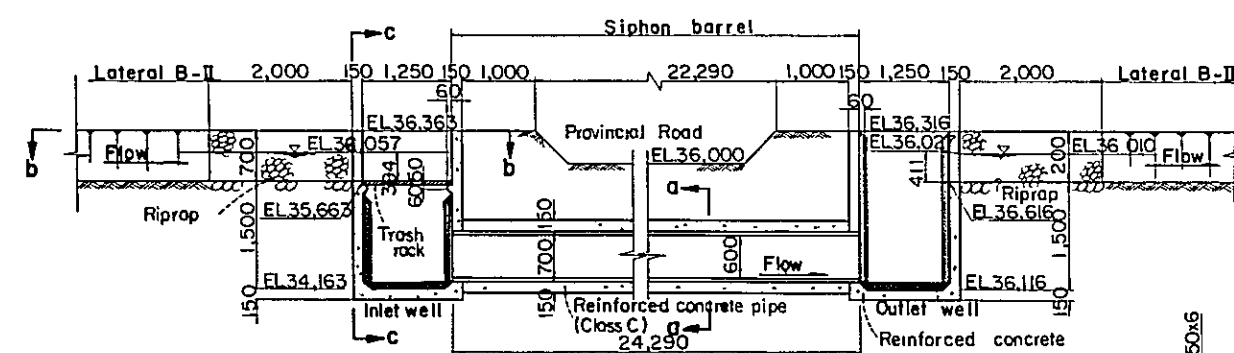
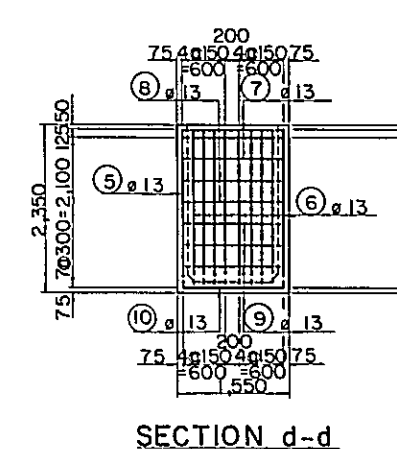
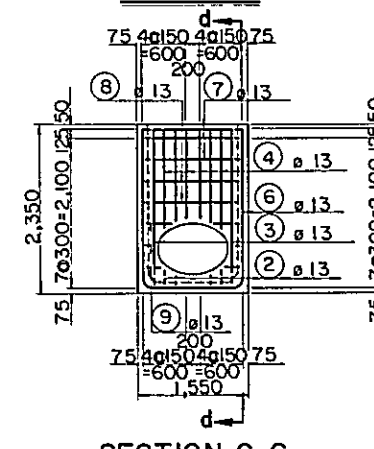
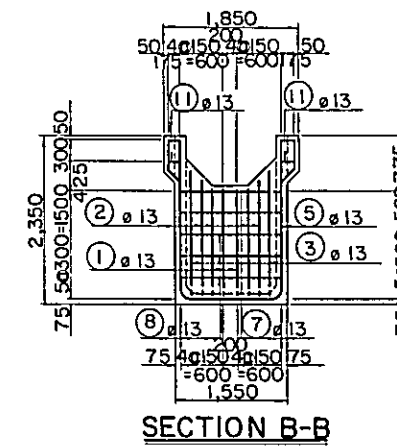
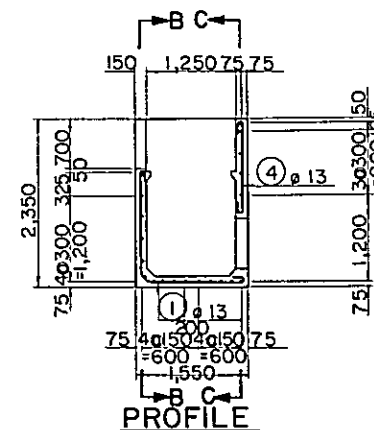
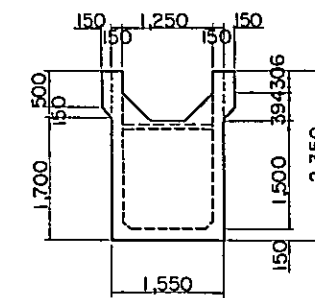
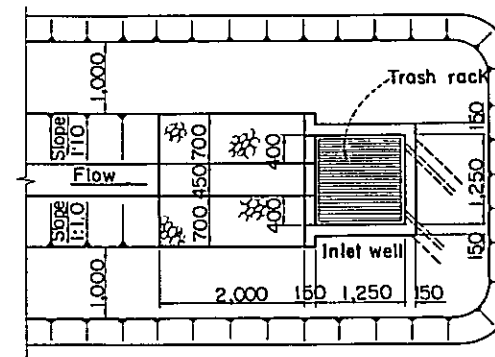
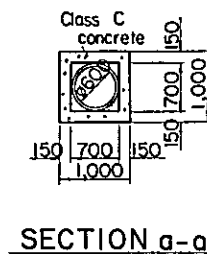
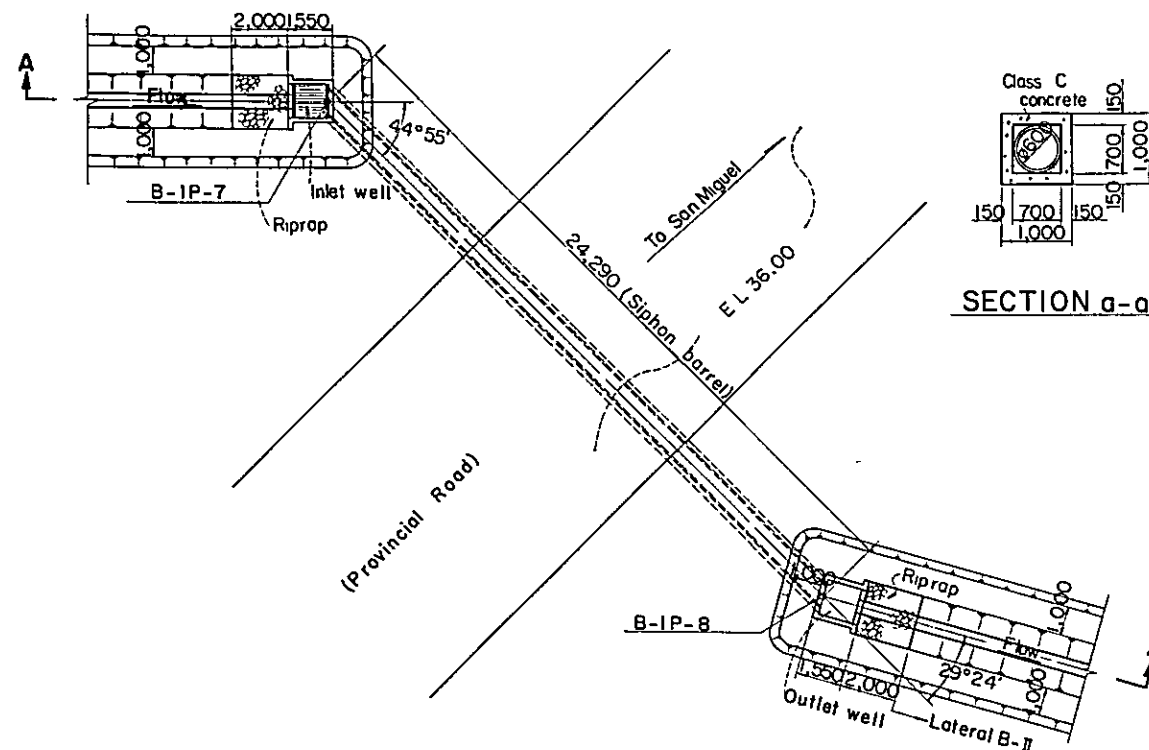
NAME OF CANAL	HYDRAULIC DEPTH	HYDRAULIC GRADIENT	SIDE SLOPE	BOTTOM WIDTH	VELOCITY	DISCHARGE	REMARKS
LATERAL A-I	0.671	1/1100	1:10	0.550	0.580	0.474	
LATERAL A-II	0.604	1/1250	1:10	0.450	0.500	0.318	
LATERAL B-I	0.780	1/900	1:15	0.600	1.187	1.501	
LATERAL B-II	0.394	1/900	1:10	0.450	0.476	0.157	

NOTE

All dimensions are given in millimeters

0 1000 3000 5000
SCALE OF MILLIMETERS

THE PHILIPPINES			
RICE AND CORN PRODUCTION COORDINATING COUNCIL			
REGIONAL RICE PRODUCTION CENTER			
SANMIGUEL - ALANGALANG			
LATERAL A-I AND B			
TYPICAL CROSS SECTIONS			
OVERSEAS TECHNICAL COOPERATION AGENCY			
GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO.	OF	DRAWING NO.	A-13



0 1000
SCALE OF MILLIMETERS

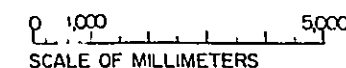
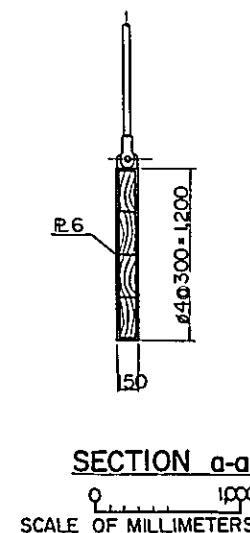
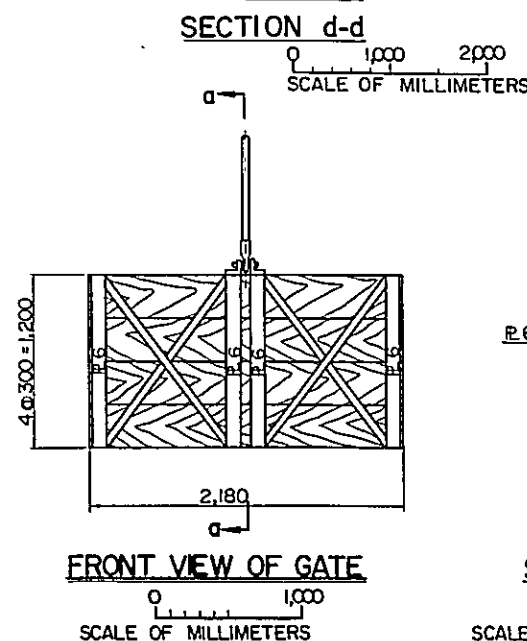
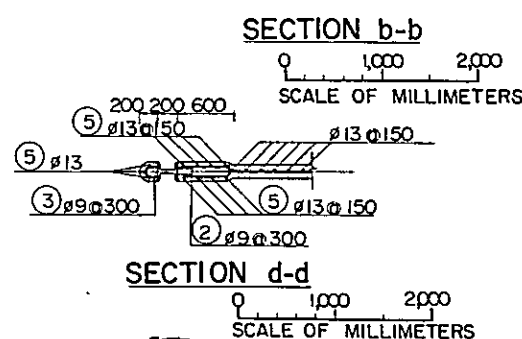
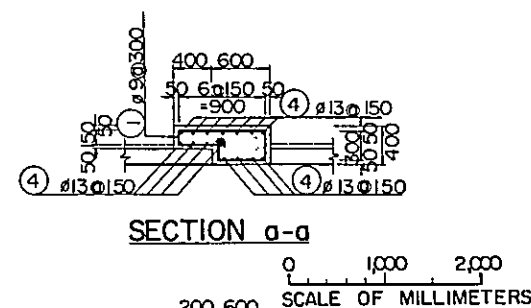
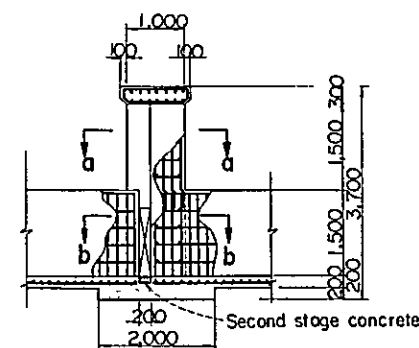
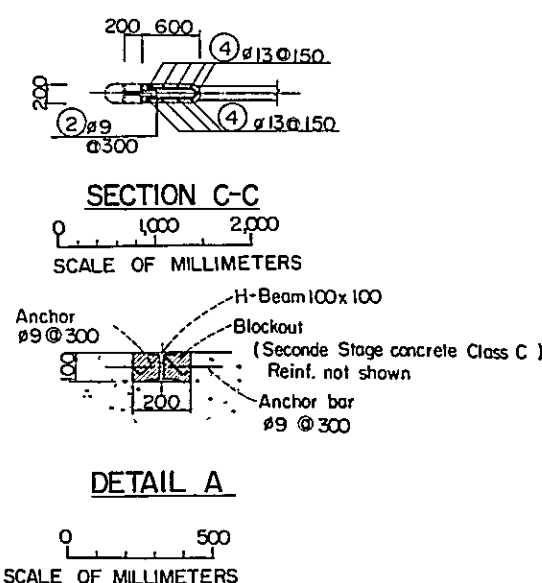
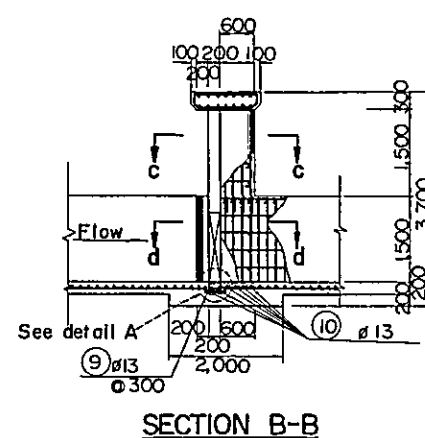
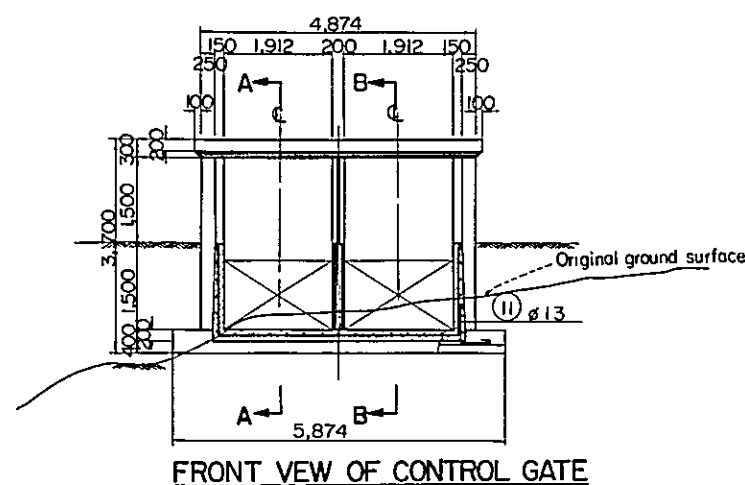
0 1000
SCALE OF MILLIMETERS

0 1000 4000
SCALE OF MILLIMETERS

NOTES

- All dimensions are given in millimeters
- All stations and elevations are given in meters
- Concrete design, except precast, based on a compressive strength of 80 kg/cm²
- Chamfer all exposed corners 20 mm, unless otherwise shown
- For strength and aggregate size of concrete, see specifications.
- Unless otherwise shown, placed reinforcement so that the clear distance between face of concrete and the nearest reinforcement is 50mm except provide a clear distance of 100mm from face of concrete placed against earth.
- Lap all bars 30 diameters at splices.
- All reinforcing steel to be plain bar with standard hook each end in addition to length shown.
- Hook with 180° bends, lengths of 10 bar diameters to be provided where shown.
- Use 10.5 bar diameter radii for bends of main reinforcement at the corner of rigid frame or Rahmen
- Base of concrete structure to be placed on undisturbed natural foundation or thoroughly compacted fill.
- Class "A" concrete to be placed at all portion unless otherwise shown.

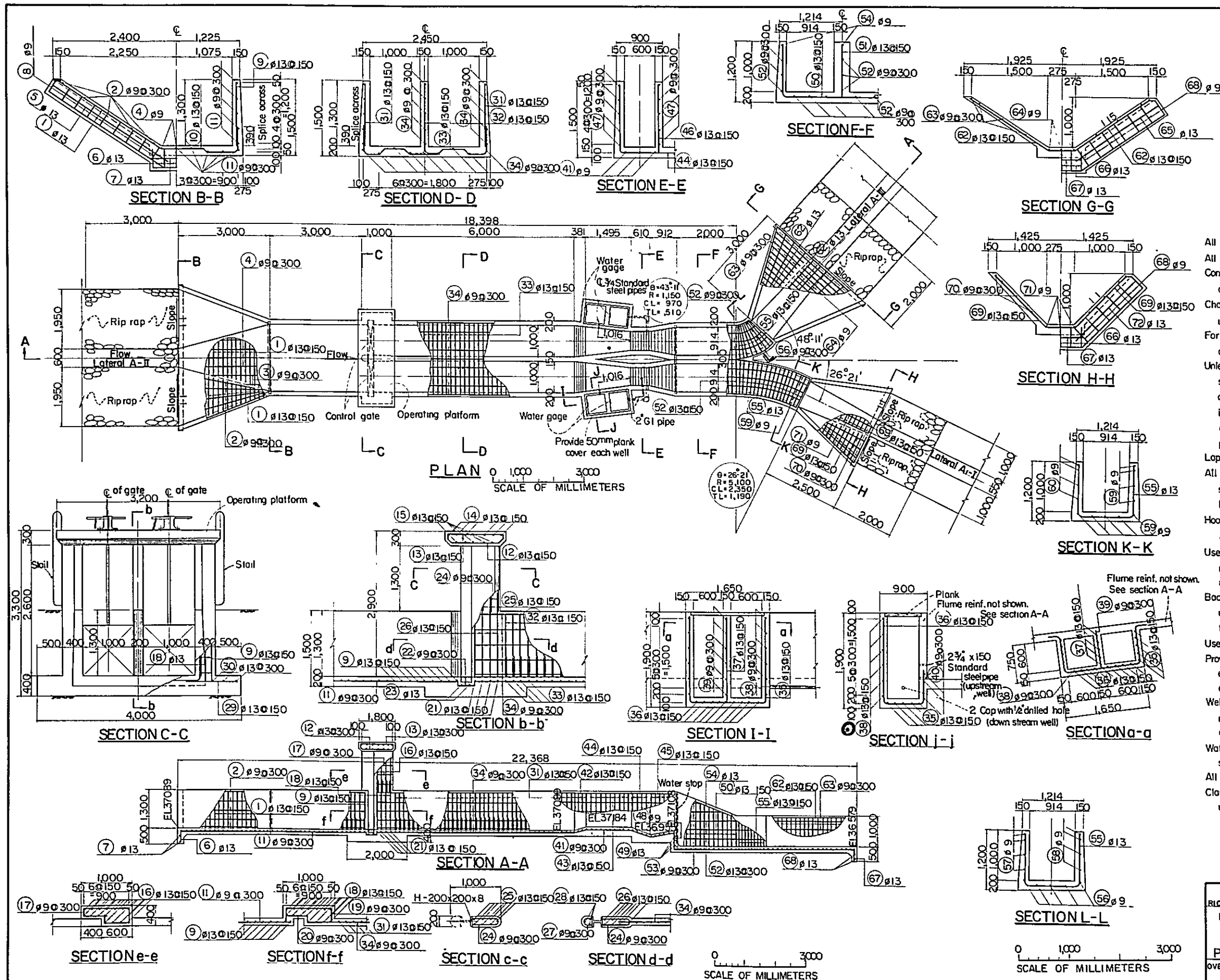
THE PHILIPPINES			
RICE AND CORN PRODUCTION COORDINATING COUNCIL			
REGIONAL RICE PRODUCTION CENTER			
SANMIGUEL - ALANGAL ANG			
SMALL SIPHON NO.2			
PLAN AND SECTIONS			
OVERSEAS TECHNICAL COOPERATION AGENCY			
GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO	OF	DRAWING NO	A - 15



NOTES

- All dimensions are given in millimeters.
 All stations and elevations are given in meters.
 See Drawing A-16 for plan and profile.
 Concrete design, except precast, based on a compressive strength of 80kg/cm².
 Chamfer all exposed corners 20mm, unless otherwise shown.
 For strength and aggregate size of concrete, see specifications.
 Unless otherwise shown, place reinforcement so that the clear distance between face of concrete and the nearest reinforcement is 50mm except provide a clear distance of 100mm from face of concrete placed against earth.
 Lap all bars 30 diameters at splices.
 All reinforcing steel to be plain bar with standard hook each end in addition to length shown.
 Hook with 180° bends, lengths of 10 bar diameters to be provided where shown.
 Use 10 5 bar diameter radii for bends of main reinforcement at the corner of rigid frame or Rahman.
 Base of concrete structure to be placed on undisturbed natural foundation or thoroughly compacted fill.
 Use 150mm rubber water stop.
 Welding H-beam shown in this drawing may be substituted by H-beam with adequate market size.
 All welds to be full penetration continuous and smooth.
 Water gauge (staff) shall be made of steel plate (10mm in thickness).
 Class 'A' concrete to be placed at all portion, unless otherwise shown.

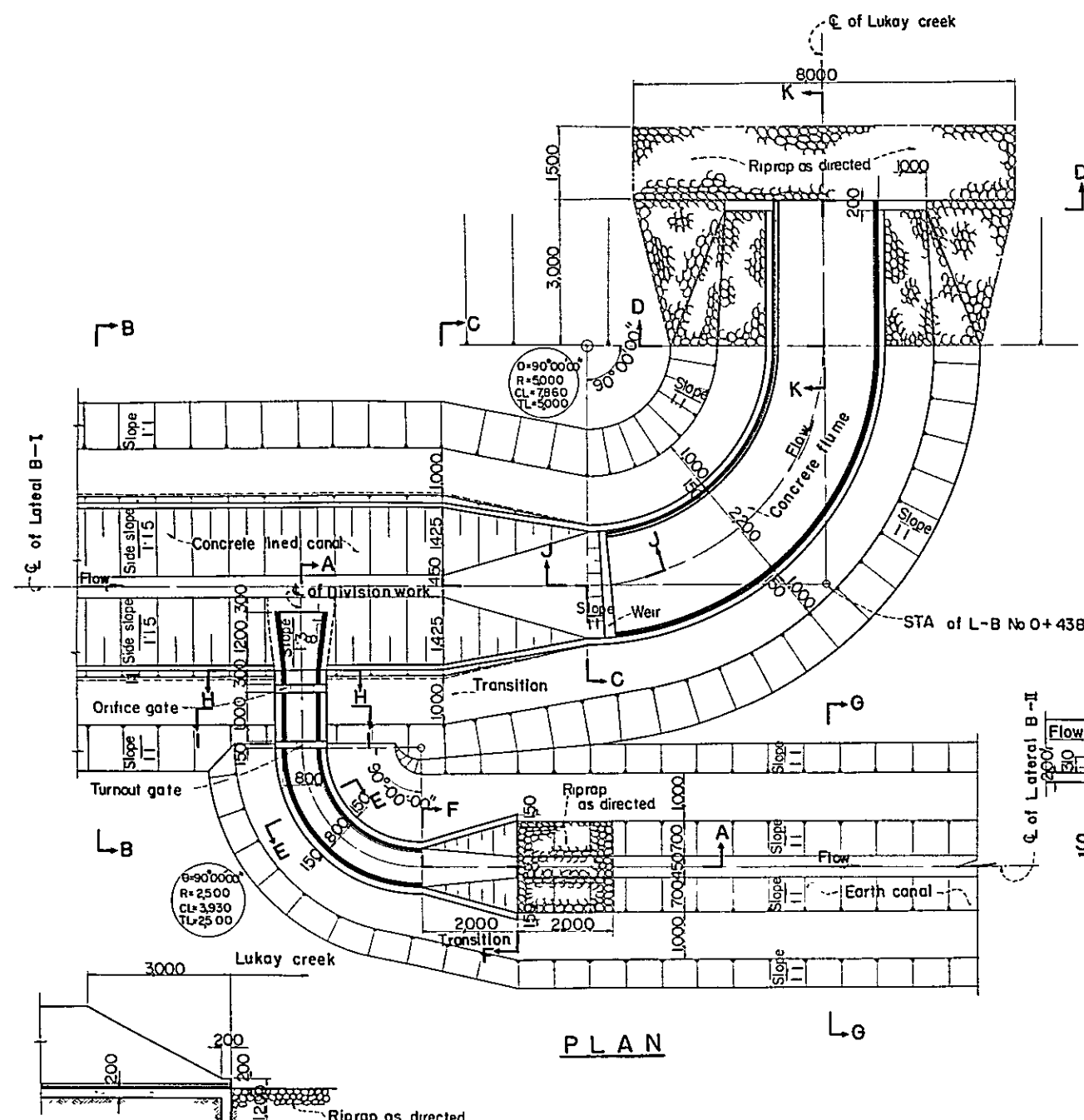
THE PHILIPPINES RICE AND CORN PRODUCTION COORDINATING COUNCIL			
REGIONAL RICE PRODUCTION CENTER SANMIGUEL - ALANGALANG			
DIVISION WORK NO. 1			
SECTIONS			
OVERSEAS TECHNICAL COOPERATION AGENCY			
GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO.	OF	DRAWING NO.	A-17



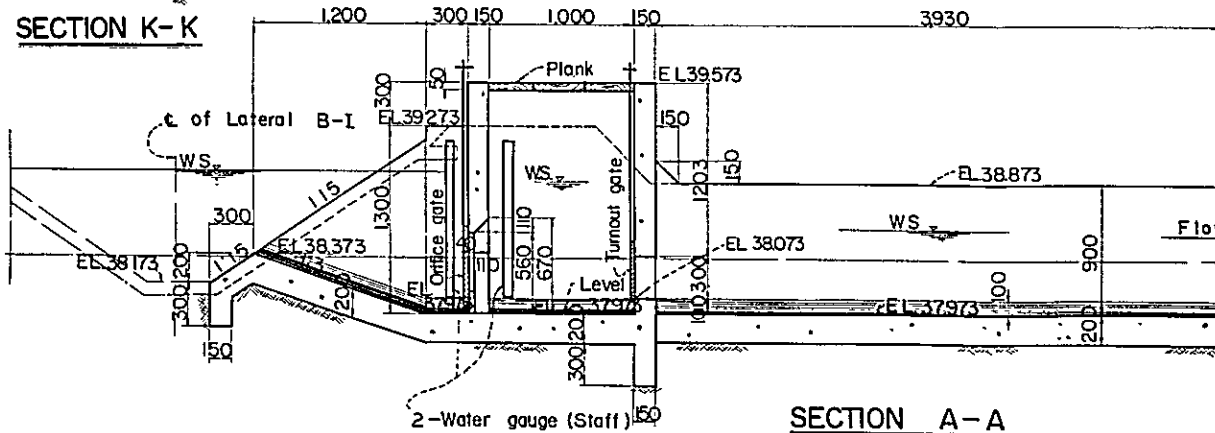
NOTES

All dimensions are given in millimeters
All stations and elevations are given in meters.
Concrete design, except precast, based on a compressive strength of 80 kg/cm²
Chamfer all exposed corners 20 mm, unless otherwise shown
For strength and aggregate size of concrete see specifications
Unless otherwise shown, place reinforcement so that the clear distance between face of concrete and the nearest reinforcement is 50mm except provide a clear distance of 100mm from of concrete placed against earth.
Lap all bars 30 diameters at splices.
All reinforcing steel to be plan bar with standard hook each end in addition to length shown
Hook with 180° bends, lengths of 10 bar diameters to be provided where shown
Use 10.5 bar diameter radii for bends of main reinforcement at the corner of rigid frame or Rahmen
Base of concrete structure to be placed on undisturbed natural foundation or thoroughly compacted fill.
Use 150mm rubber water stop
Provide 10mm-20mm elastic filler in all expansion joints at all concrete contact areas
Welding H-beam shown in this drawing may be substituted by H-beam with adequate market size
Water gauge (staff) shall be made of steel plate (10mm in thickness).
All lumber to be treated
Class "A" concrete to be placed at all portion unless otherwise shown

THE PHILIPPINES RICE AND CORN PRODUCTION COORDINATING COUNCIL			
REGIONAL RICE PRODUCTION CENTER SANMIGUEL - ALANGALANG			
DIVISION WORK NO.2			
PLAN, PROFILE AND SECTIONS			
OVERSEAS TECHNICAL COOPERATION AGENCY GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO	OF	DRAWING NO	A - 18

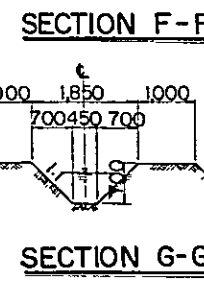
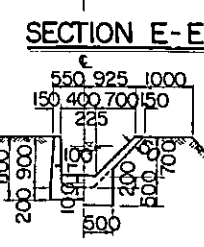
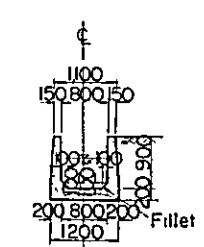
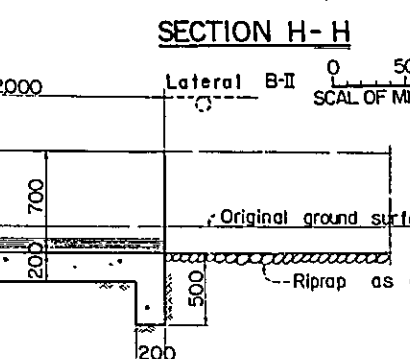
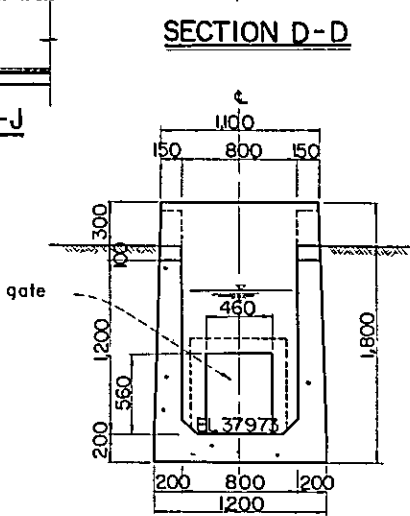
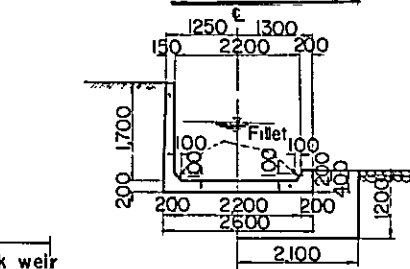
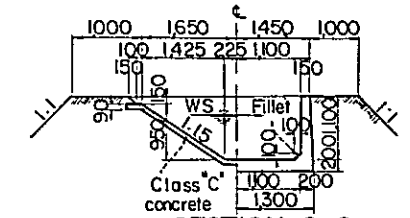
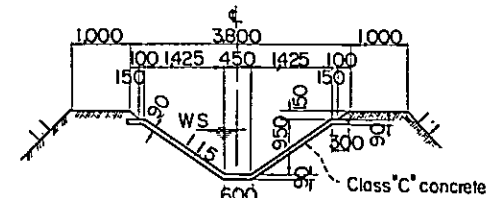


SECTION K-K



SECTION A-A

SCALE OF MILLIMETERS

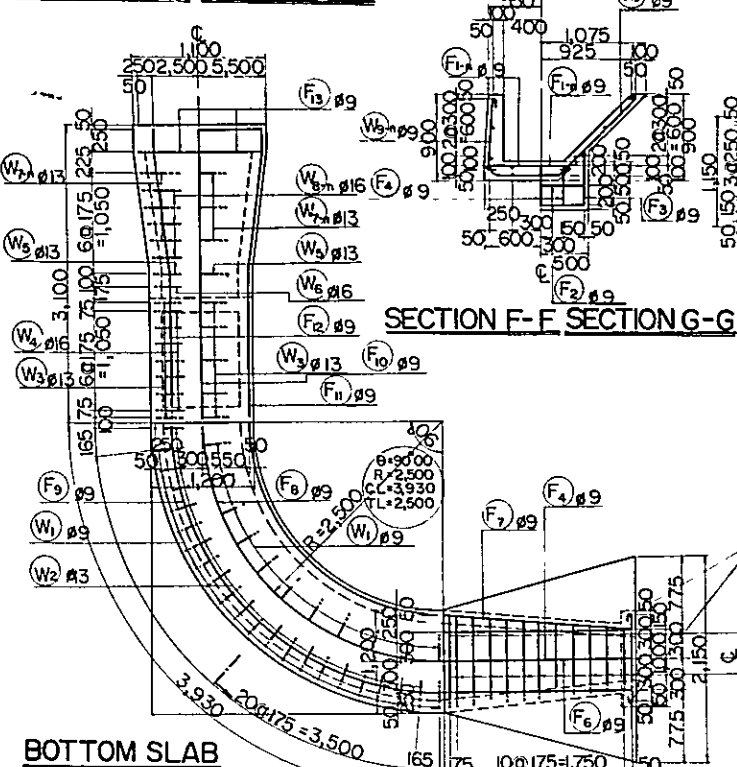


NOTES

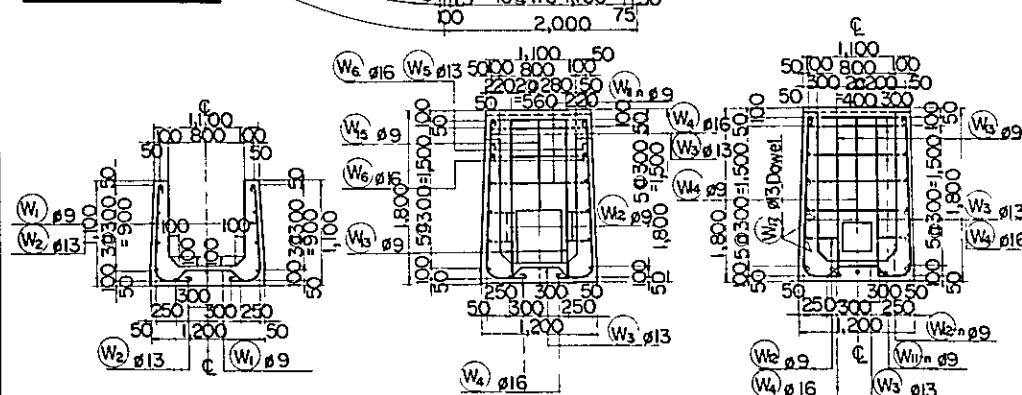
- All dimensions are given in millimeters
- All stations and elevations are given in meters
- Class 'A' concrete to be placed at all portion unless otherwise shown
- Base of concrete structure to be placed on undisturbed natural foundation or thoroughly compacted fill
- See Drawing A-21 for detail of gates
- See Drawing A-20 for reinforcement
- Concrete design, except precast, based on a compressive strength of 80kg/cm²
- Chamfer all exposed corners 20mm, unless otherwise shown.
- For strength and aggregate size of concrete see specifications
- Water gauge (staff) shall be made of steel plate (10mm in thickness).

THE PHILIPPINES			
RICE AND CORN PRODUCTION COORDINATING COUNCIL			
REGIONAL RICE PRODUCTION CENTER			
SAN MIGUEL-ALANGALANG			
DIVISION WORK NO.3			
PLAN AND SECTIONS			
OVERSEAS TECHNICAL COOPERATION AGENCY			
GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO	OF	DRAWING NO	A-19

SECTION B-B SECTION A-A



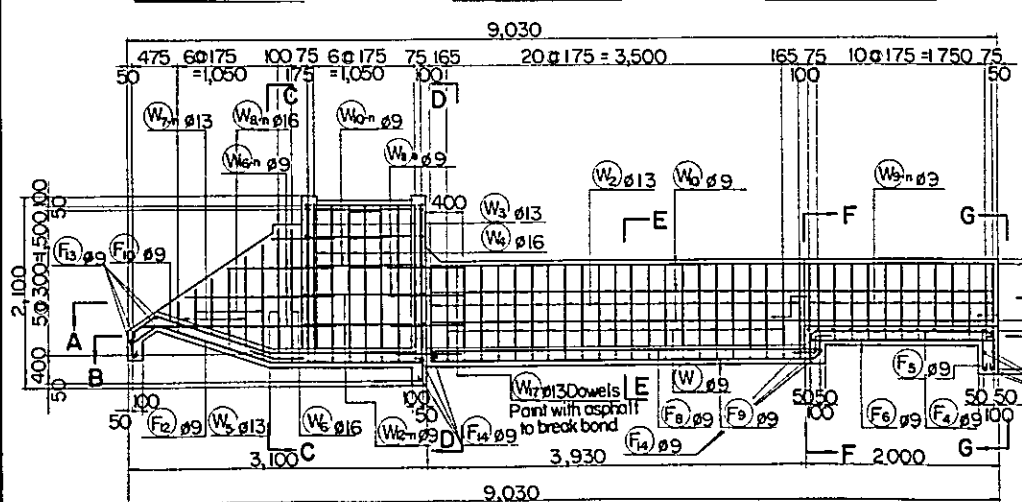
BOTTOM SLAB



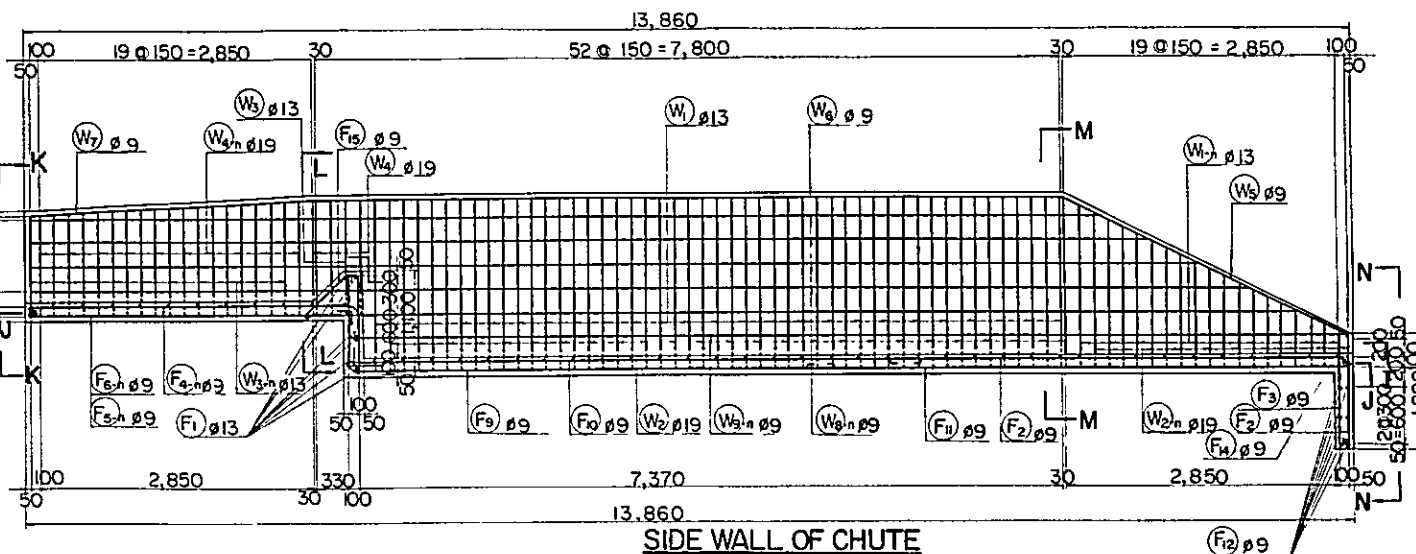
SECTION E-E

SECTION C-C

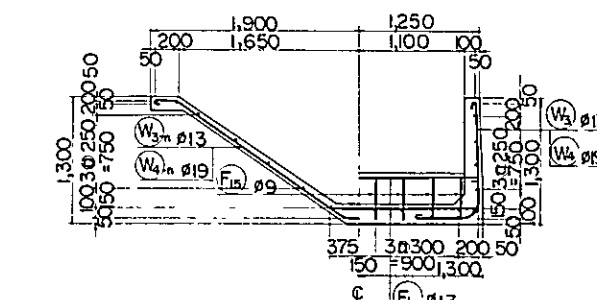
SECTION D-D



SIDE WALL OF TURNOUT

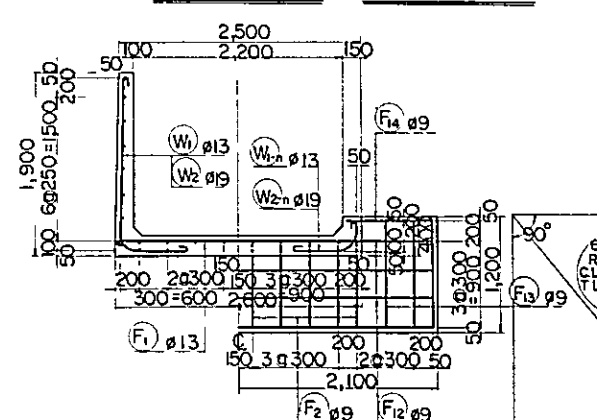


SIDE WALL OF CHUTE

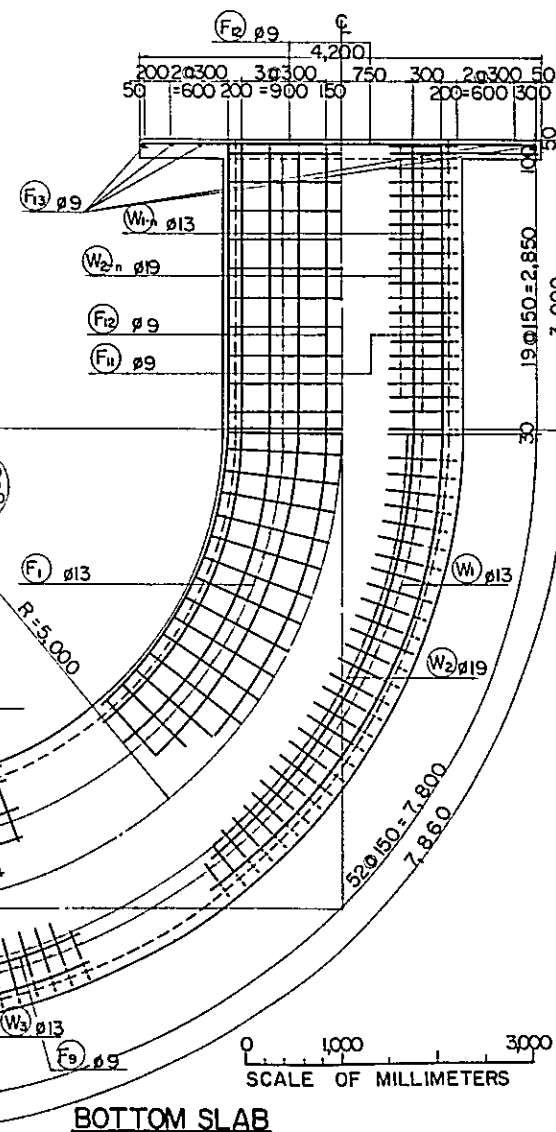
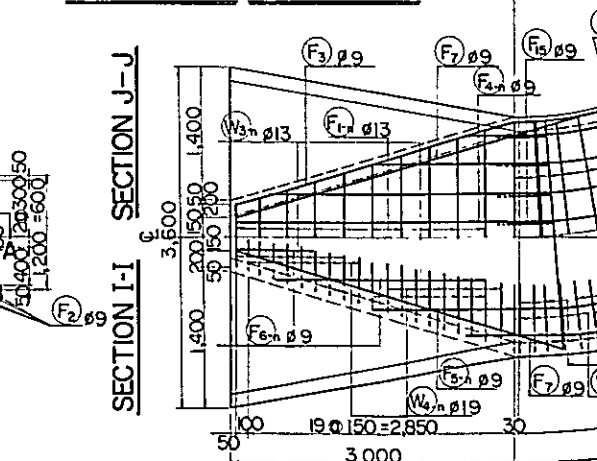


SECTION K-K

SECTION L-L



SECTION M-M SECTION N-N

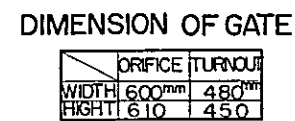


BOTTOM SLAB

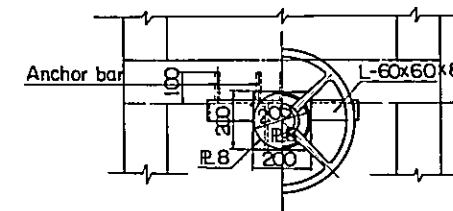
NOTES

- All dimensions are given in millimeters
- See Drawing A-19 for general plan and profile
- Unless otherwise shown, place reinforcement so that the clear distance between face of concrete and the nearest reinforcement is 50mm except provide a clear distance of 100mm from face of concrete placed against earth
- Lap all bars 30 diameters at splices
- All reinforcing steel to be plan bar with standard hook each end in addition to length shown
- Hook with 180° bends, lengths of 10 bar diameters to be provided where shown
- Use 10.5 bar diameter radii for bends of main reinforcement at the corner of rigid frame or Rahmen.

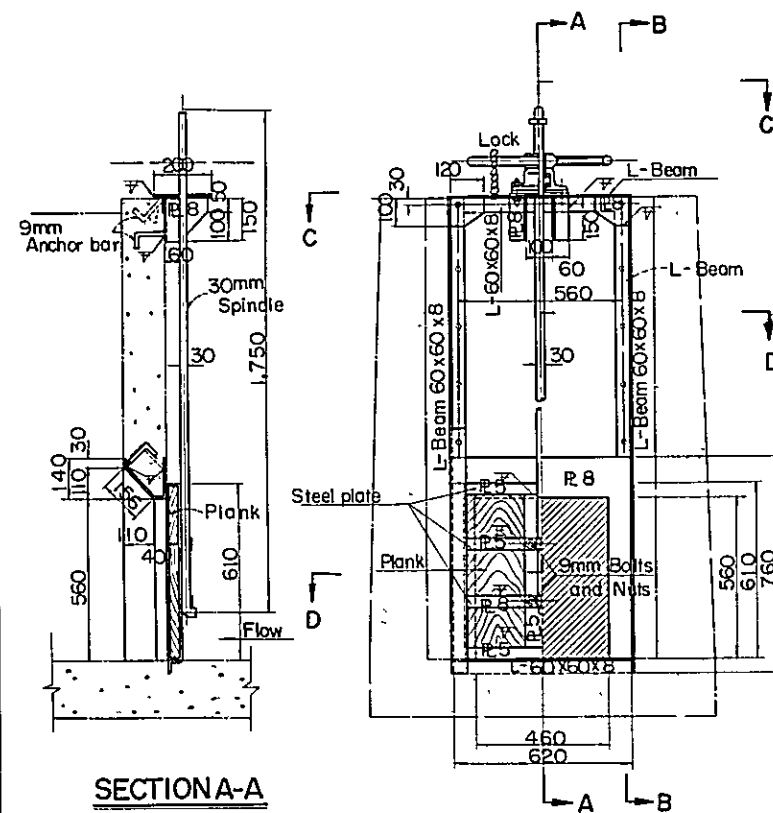
THE PHILIPPINES RICE AND CORN PRODUCTION COORDINATING COUNCIL			
REGIONAL RICE PRODUCTION CENTER SANMIGUEL - ALANGALANG			
DIVISION WORK NO.3 REINFORCEMENT SHEET			
OVERSEAS TECHNICAL COOPERATION AGENCY GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO	OF	DRAWING NO	A - 20



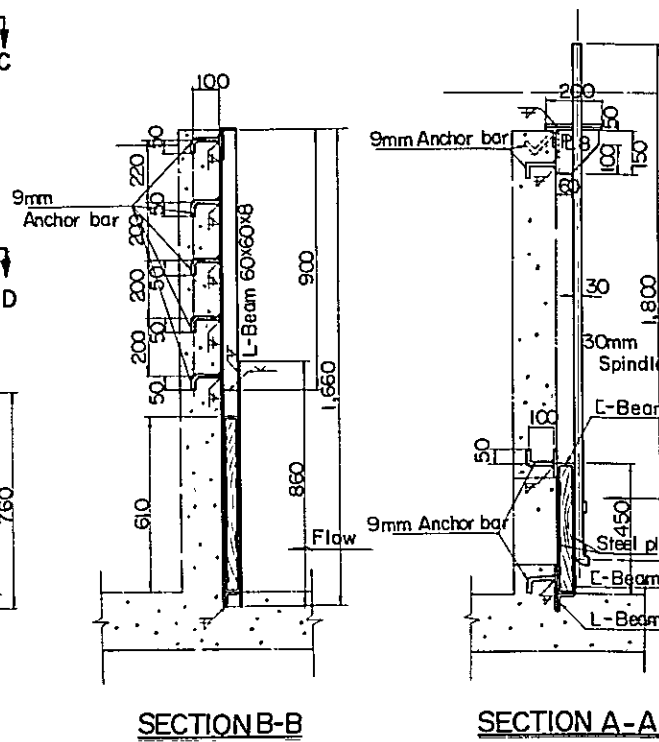
SECTION C-C



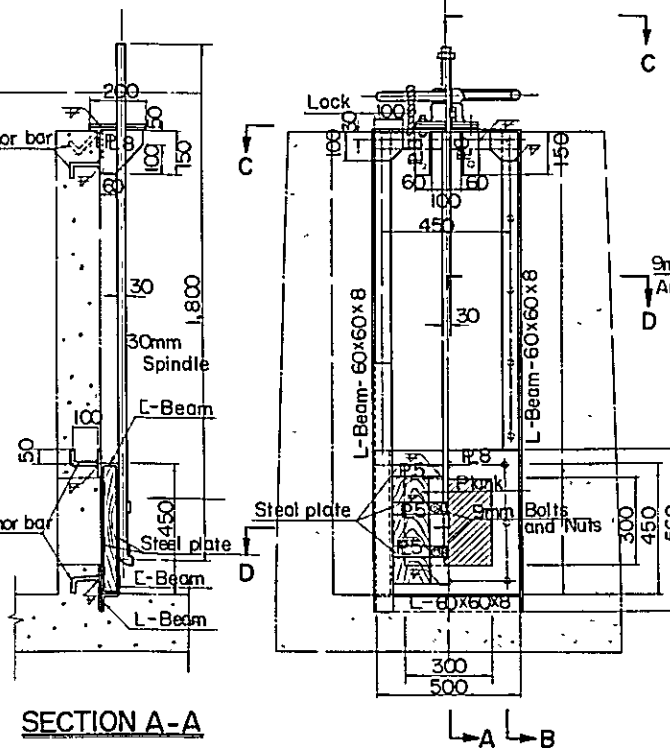
SECTION C-C



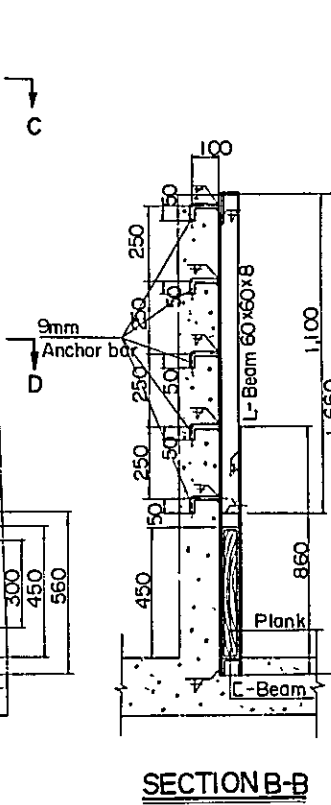
SECTION A-A



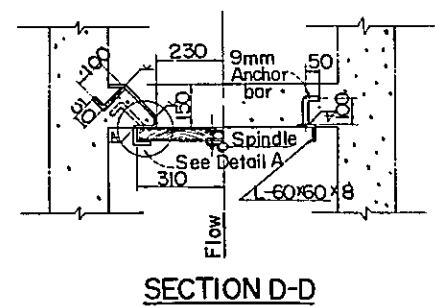
SECTION B-B



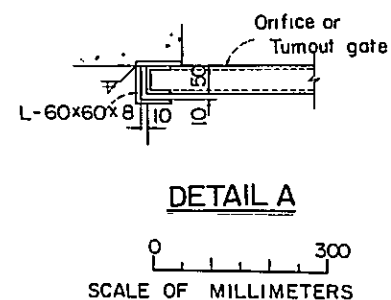
SECTION A-A



SECTION B-B

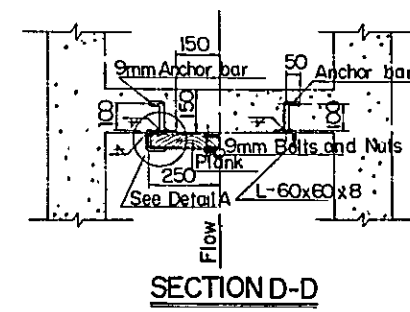


SECTION D-D



DETAIL A

0 300
SCALE OF MILLIMETERS



SECTION D-D

TURNOUT GATE

0 500 1,000
SCALE OF MILLIMETERS

ORIFICE GATE

NOTES




All dimensions are given in millimeters
See Drawing A-19 for the general location
of each gate.

Welding H-beam shown in this drawing
may be substituted by H-beam with
adequate market size.

All welds to be full penetration continuous and smooth.

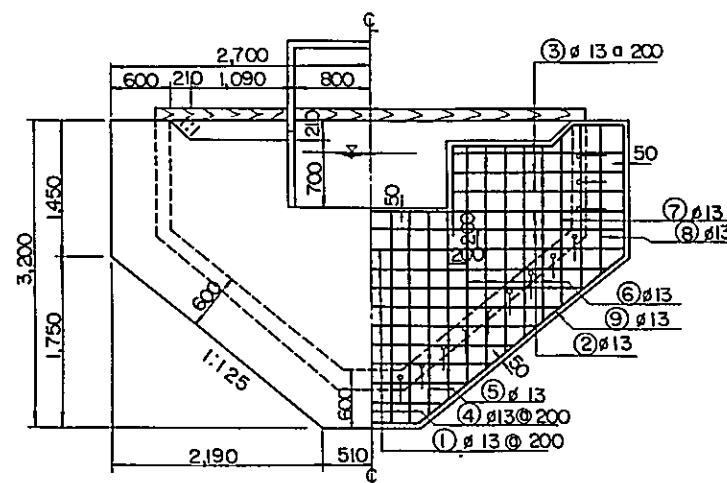
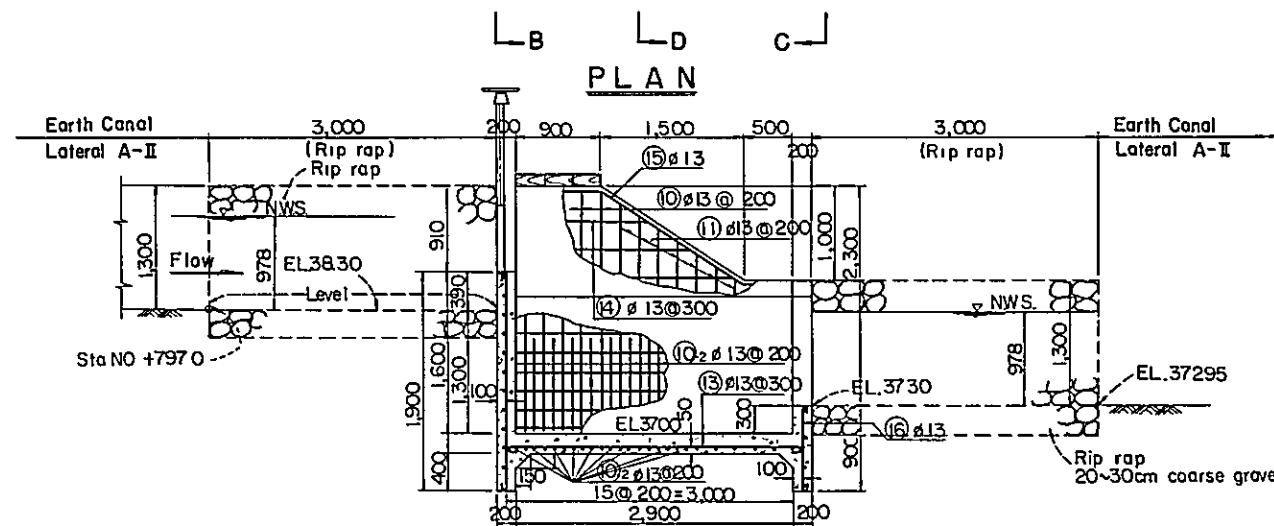
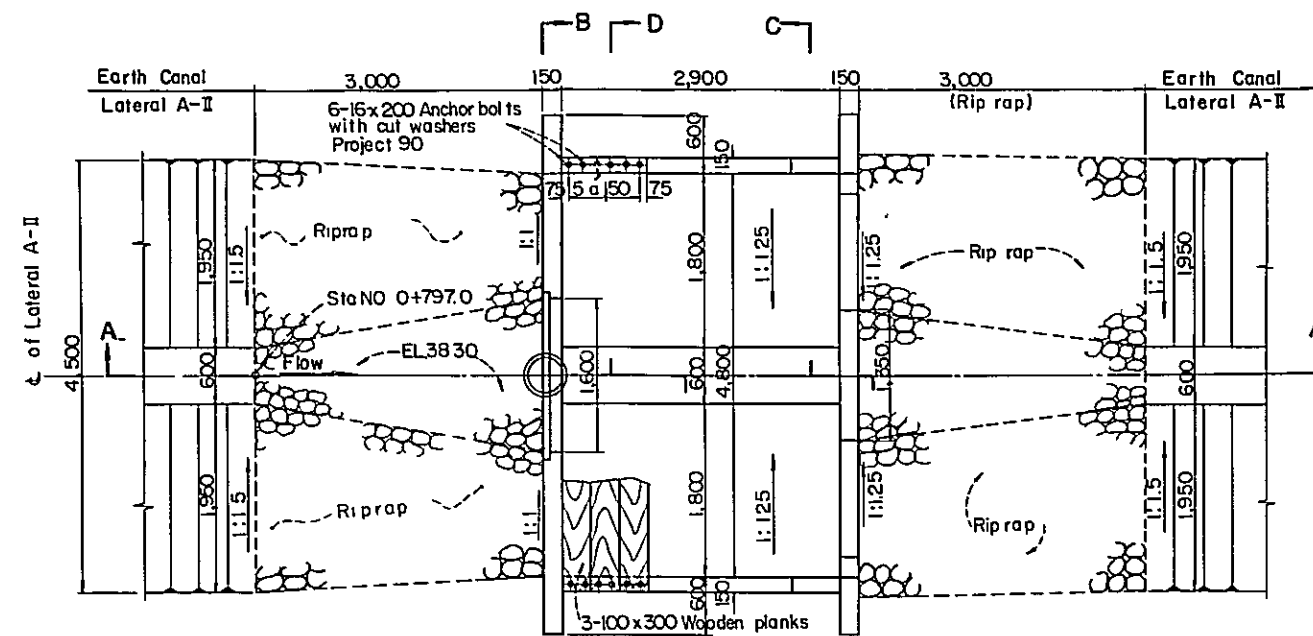
Non-corrosive studs and nuts on flap valve.
Malleable iron washers to be used unless
otherwise shown.

EXPLANATIONS

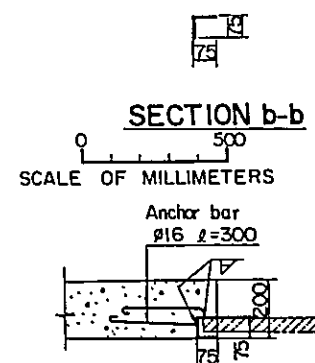
 ; Edge-fillet welds
 ; Single-V buttjoint weld both sides
 ; Steel plate

THE PHILIPPINES
RICE AND CORN PRODUCTION COORDINATING COUNCIL
REGIONAL RICE PRODUCTION CENTER
SANNIGUEL - ALANGALANG
DIVISION WORK NO.3
INSTALL ASSEMBLY OF GATES
OVERSEAS TECHNICAL COOPERATION AGENCY
GOVERNMENT OF JAPAN

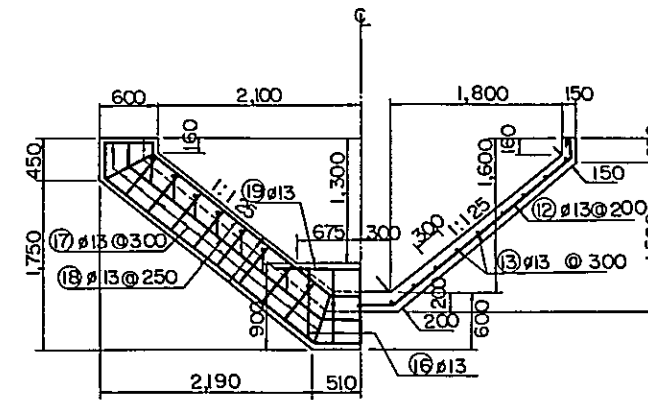
SCALE	AS SHOWN	DATE	
SHEET NO	OF	DRAWING NO	A - 21



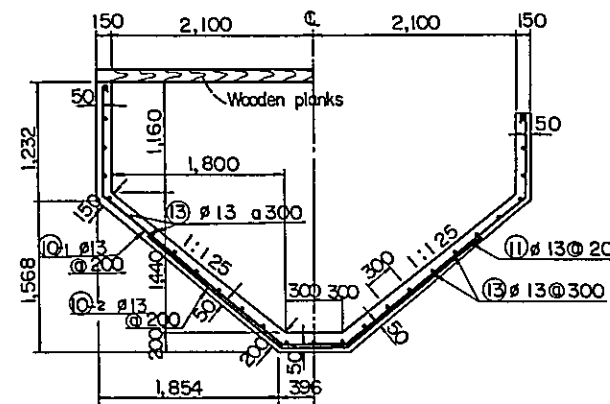
SECTION B-B



SECTION a-a
SCALE OF MILLIMETERS

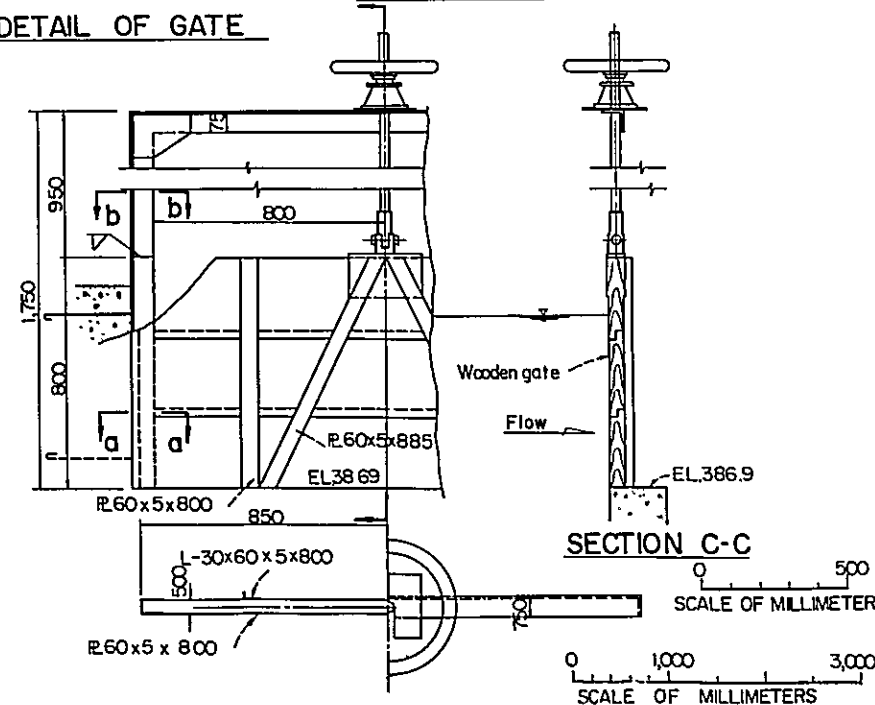


SECTION C-C



SECTION D-D

DETAIL OF GATE

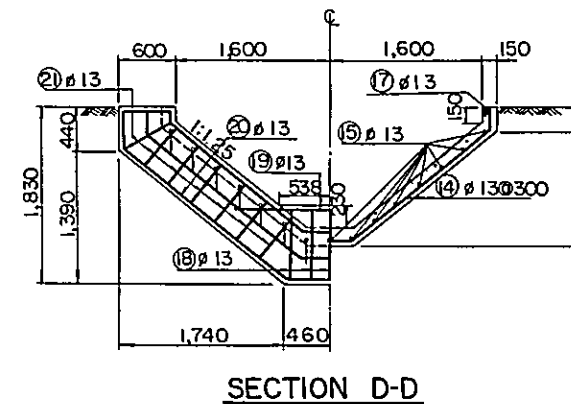
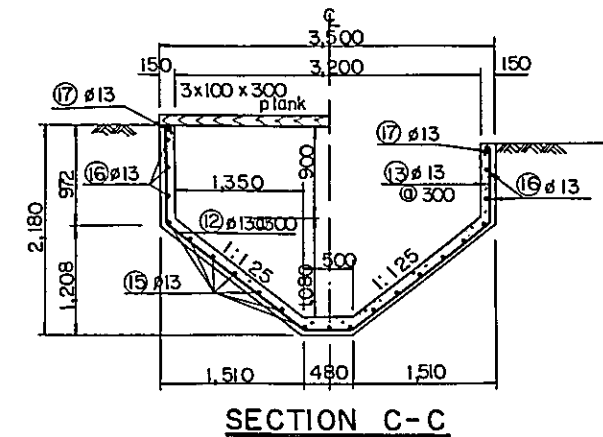
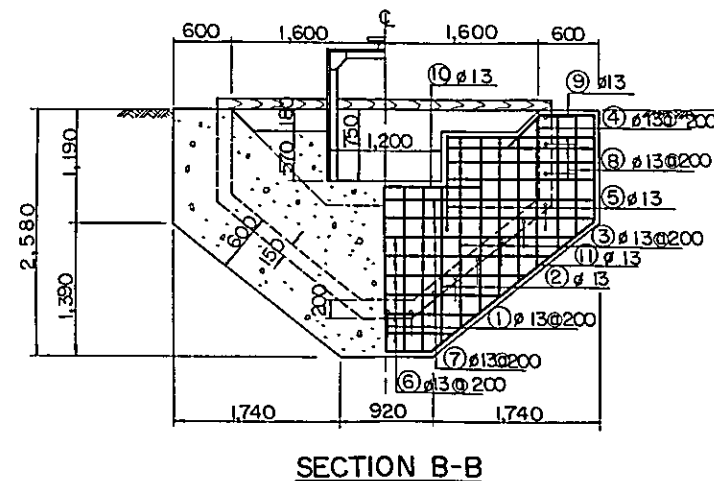
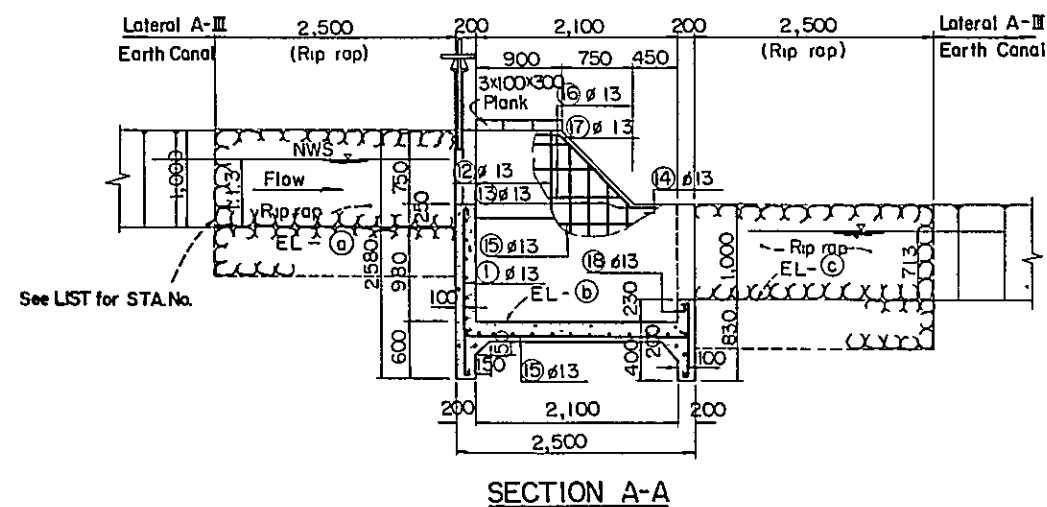
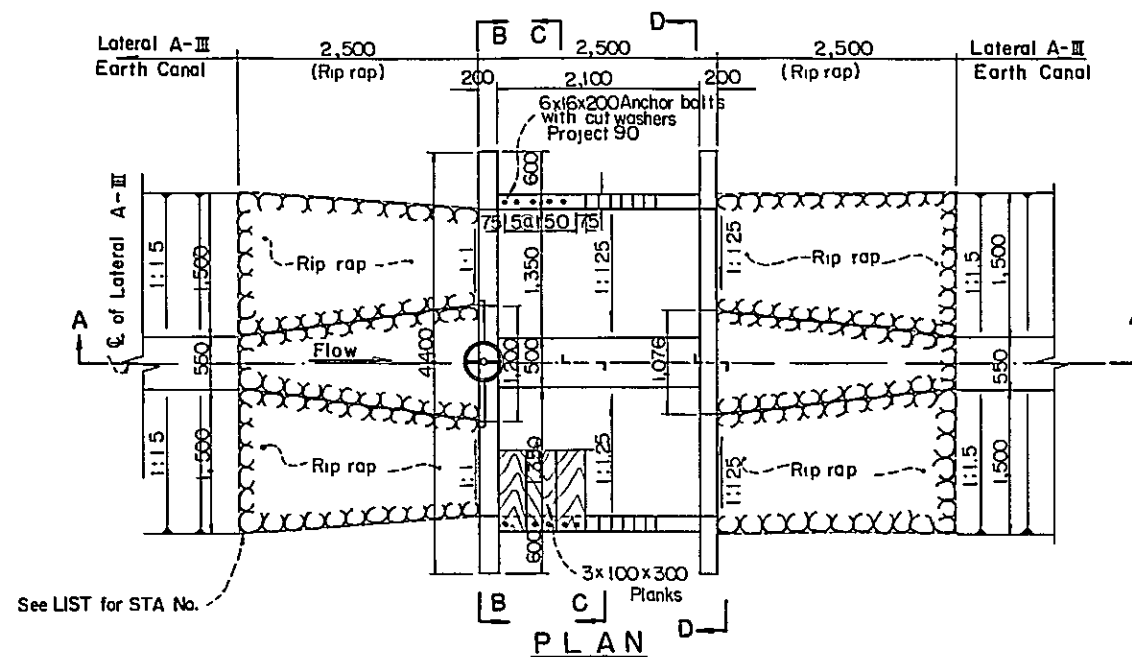


SECTION C-C

NOTES

- All dimensions are given in millimeters
- All stations and elevations are given in meters
- Chamfer all exposed corners 20 mm, unless otherwise shown.
- For strength and aggregate size of concrete, see specifications
- Unless otherwise shown, place reinforcement so that the clear distance between face of concrete and the nearest reinforcement is 50mm except provide a clear distance of 100mm from face of concrete placed against earth
- Lap all bars 30 diameters at splices
- All reinforcing steel to be plain bar with standard hook each end in addition to length shown.
- Hook with 180° bends, lengths of 10 bar diameters to be provided where shown.
- Use 10 5 bar diameter radii for bends of main reinforcement at the corner of rigid frame or Rahmen
- Class 'A' concrete to be placed at all portion, unless otherwise shown.
- All welds to be full penetration continuous and smooth
- Non-corrosive studs and nuts on flap valves

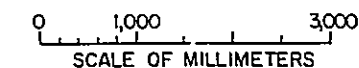
THE PHILIPPINES RICE AND CORN PRODUCTION COORDINATING COUNCIL			
REGIONAL RICE PRODUCTION CENTER SAN MIGUEL - ALANGALANG			
DROP TYPE 'A'			
PLAN AND SECTIONS			
OVERSEAS TECHNICAL COOPERATION AGENCY GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	A-22
SHEET NO	OF	DRAWING NO	



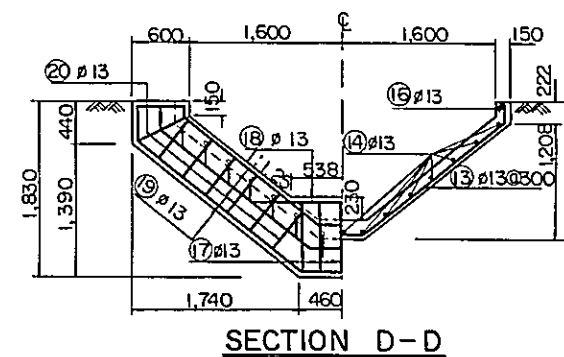
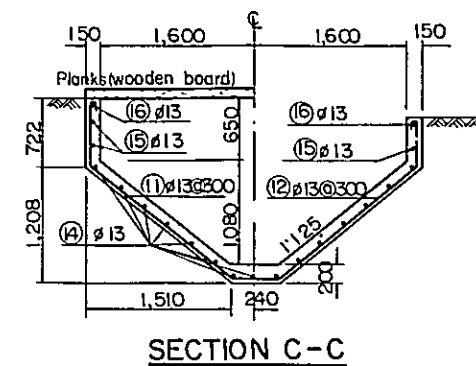
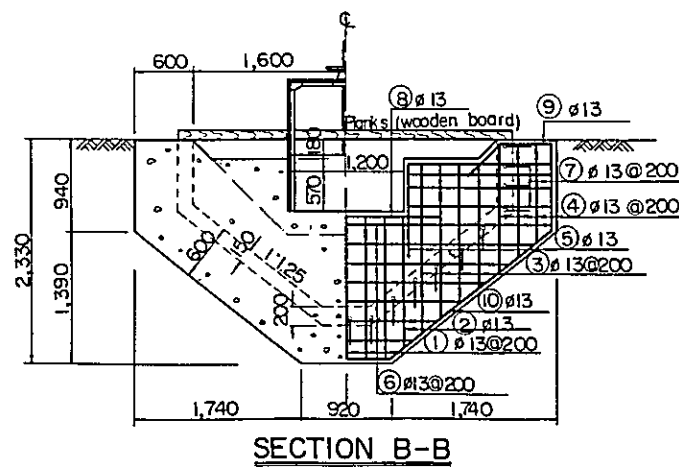
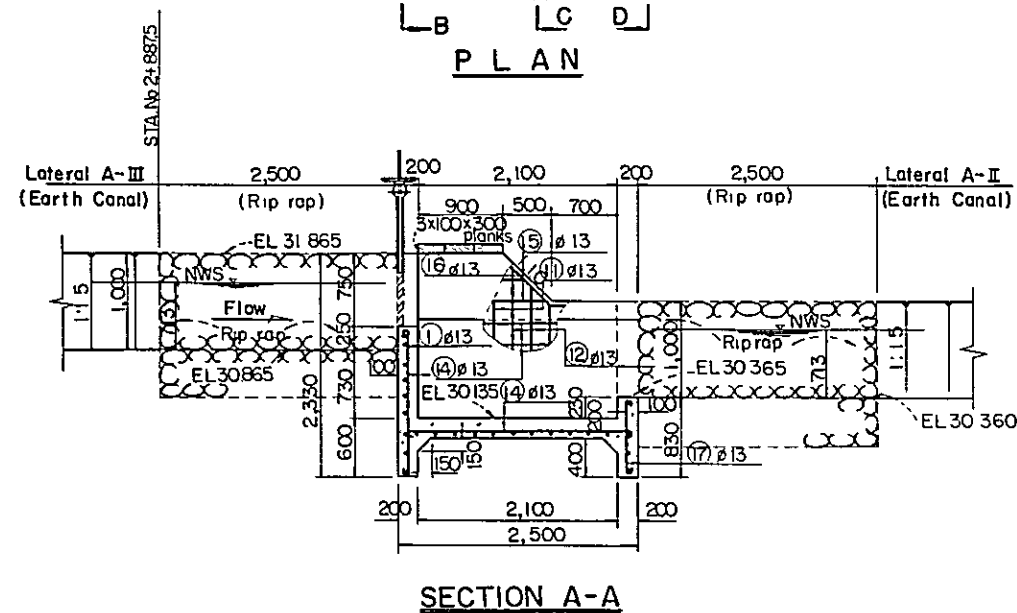
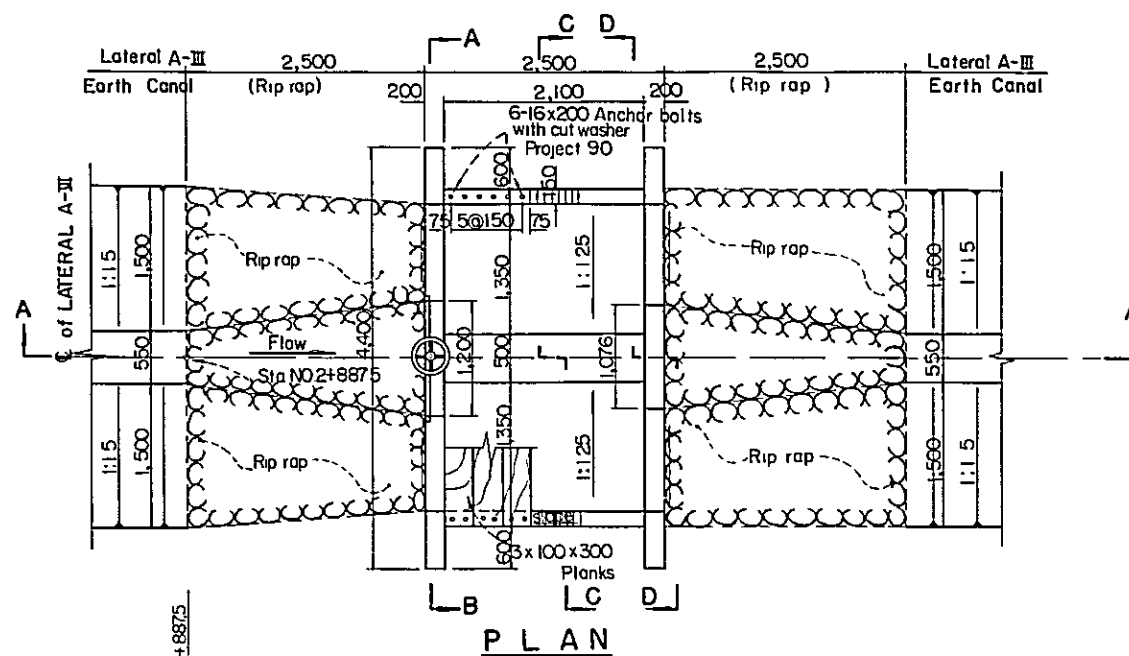
LIST OF LATERAL A-III DROP 750

(TYPE C)			
Sta-NO	EL- (A)	EL- (B)	EL- (C)
NO. 2	33 770	32 790	33 020
+37.5	32 906	31 926	32 156
+47.5	32 128	23 148	29 378
+27.5	29 335	28 335	28 585
+33.75	28 542	27 562	27 792

- NOTES**
- All dimensions are given in millimeters
 All stations and elevations are given in meters
 Chamfer all exposed corners 20 mm, unless otherwise shown
 For strength and aggregate size of concrete, see specifications
 Unless otherwise shown, place reinforcement so that the clear distance between face of concrete and the nearest reinforcement is 50 mm except provide a clear distance of 100 mm from face of concrete placed against earth
 Lap all bars 30 diameters at splices
 All reinforcing steel to be plain bar with standard hook each end in addition to length shown
 Hook with 180° bends, lengths of 10 bar diameters to be provided where shown
 Use 10.5 bar diameter radii for bends of main reinforcement at the corner of rigid frame or Rahmen.
 Class A concrete to be placed at all portions unless otherwise shown.
 All welds to be full penetration continuous and smooth.
 Non-corrosive studs and nuts on flap valves.



THE PHILIPPINES RICE AND CORN PRODUCTION COORDINATING COUNCIL			
REGIONAL RICE PRODUCTION CENTER SANMIGUEL - ALANGALANG			
DROP TYPE C			
PLAN AND SECTIONS			
OVERSEAS TECHNICAL COOPERATION AGENCY GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	A-24
SHEET NO	OF	DRAWING NO	



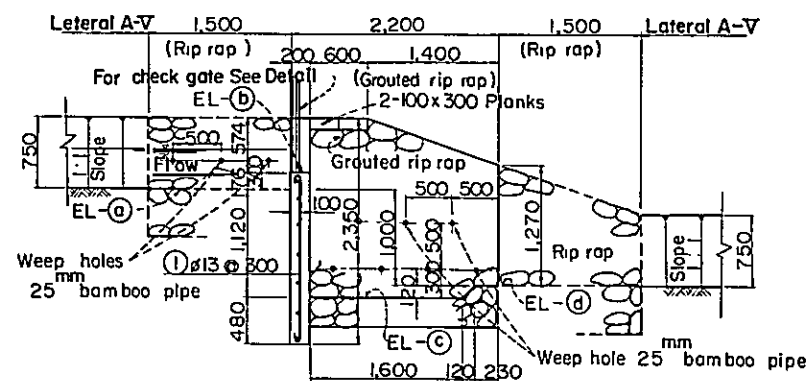
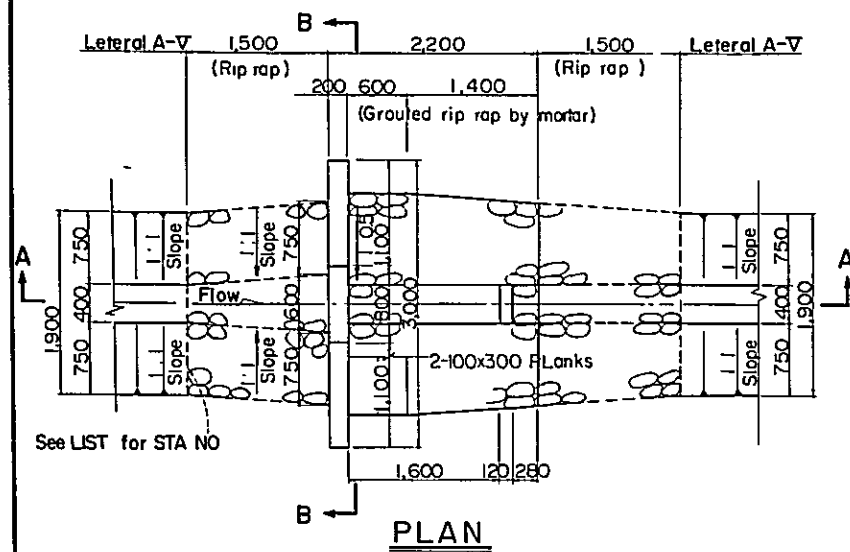
NOTES

- All dimensions are given in millimeters
- All stations and elevations are given in meters.
- Chamfer all exposed corners 20 mm, unless otherwise shown
- For strength and aggregate size of concrete, see specifications
- Unless otherwise shown, place reinforcement so that the clear distance between face of concrete and the nearest reinforcement is 50mm except provide a clear distance of 100 mm from face of concrete placed against earth
- Lap all bars 30 diameters at splices
- All reinforcing steel to be plain bar with standard hook each end in addition to length shown
- Hook with 180° bends, lengths of 10 bar diameters to be provided where shown
- Use 10 5 bar diameter radii for bends of main reinforcement at the corner of rigid frame or Rahmen.
- Class "A" concrete to be placed at all portion, unless otherwise shown
- All welds to be full penetration continuous and smooth
- Non-corrosive studs and nuts on flap valves.

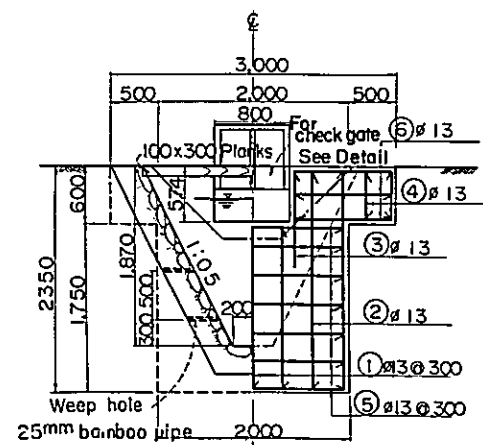
0 1000 3000
SCALE OF MILLIMETERS

THE PHILIPPINES RICE AND CORN PRODUCTION COORDINATING COUNCIL			
REGIONAL RICE PRODUCTION CENTER SANMIGUEL - ALANGALANG			
DROP TYPE "D" PLAN AND SECTIONS			
OVERSEAS TECHNICAL COOPERATION AGENCY GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	A - 25
SHEET NO	OF	DRAWING NO	

Drop 1,000

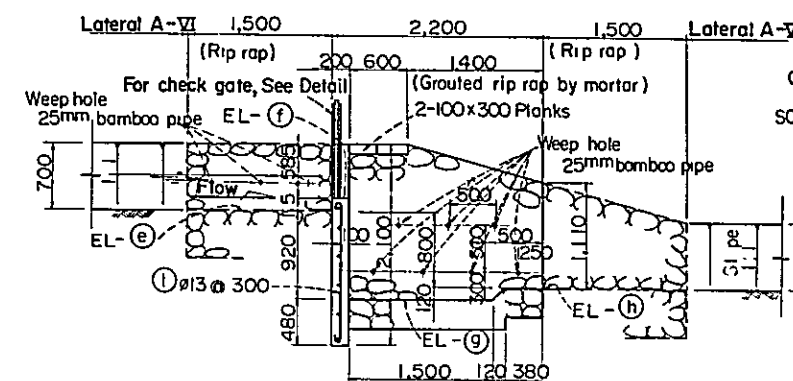
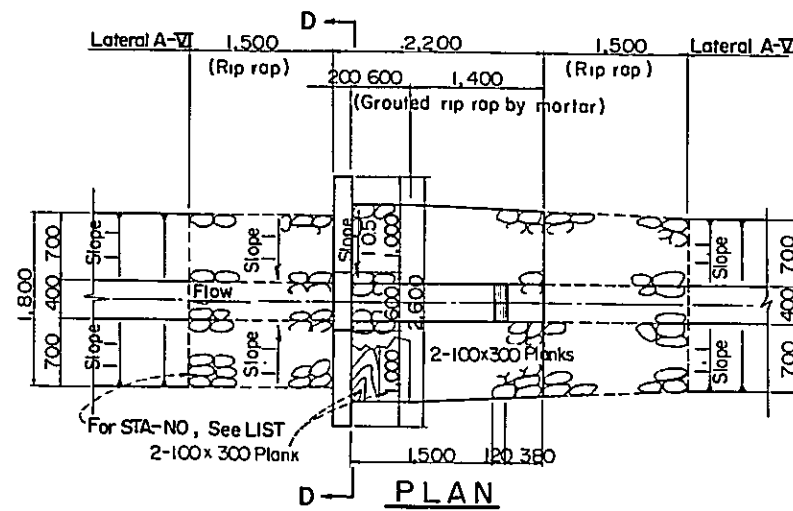


SECTION A-A

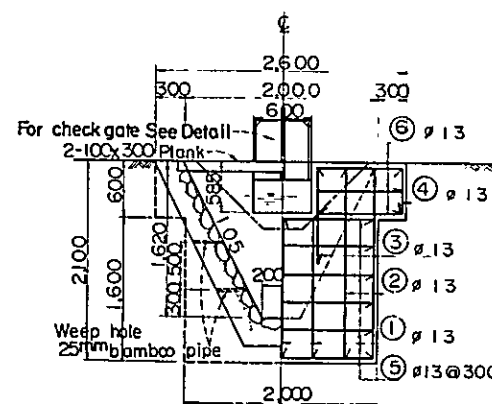


SECTION B-B

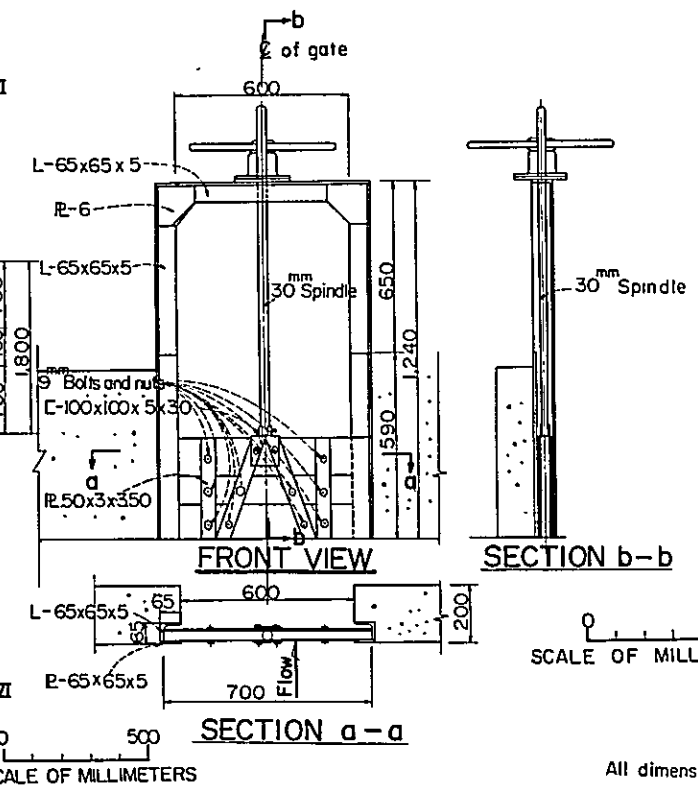
Drop 800



SECTION C-C



SECTION D-D



LIST OF LATERAL A-VI DROP 800 (TYPE - F)

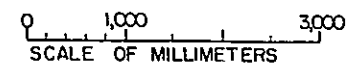
Sta-No	EL-(a)	EL-(b)	EL-(c)	EL-(d)
No. 985	26,439	26,553	25,518	25,638
0+278.5	25,413	25,528	24,493	24,613
0+698.5	24,088	24,203	23,168	23,288
0+858.5	23,088	23,203	22,168	22,288

LIST OF LATERAL A-V DROP 1,000 (TYPE - E)

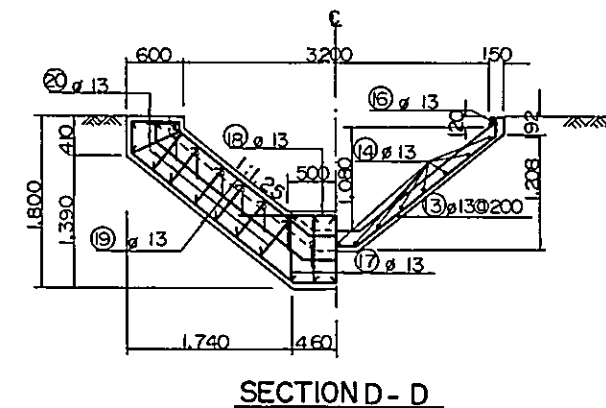
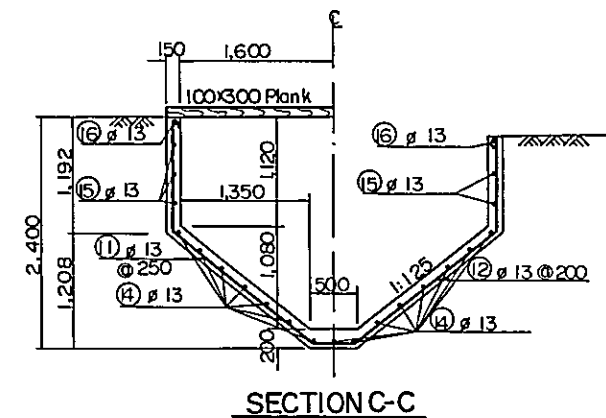
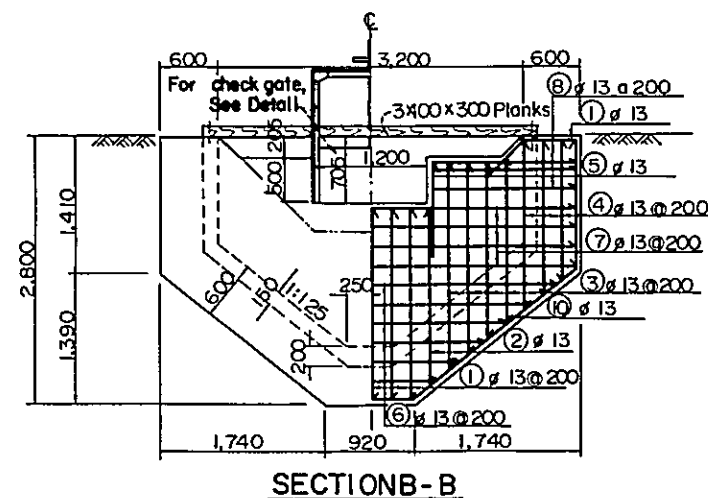
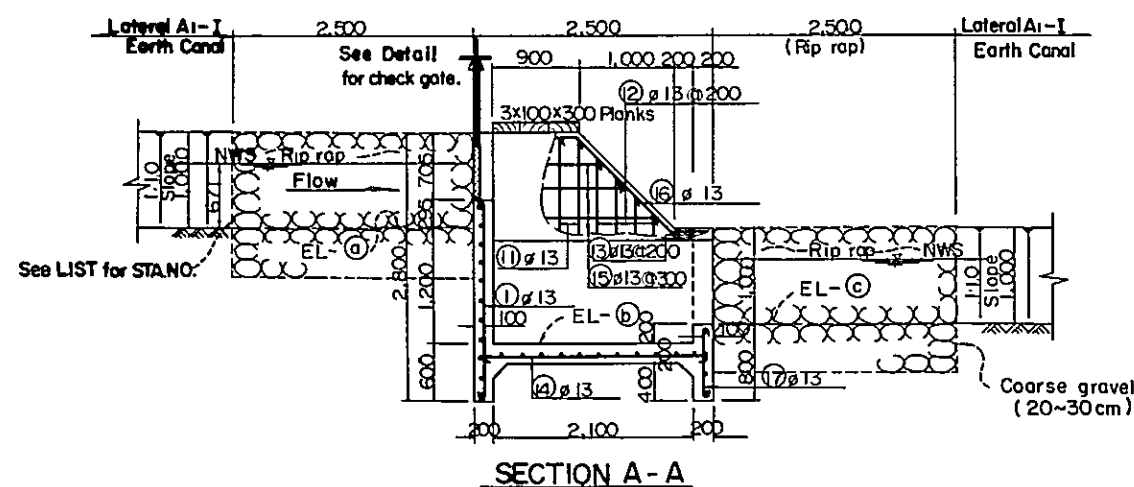
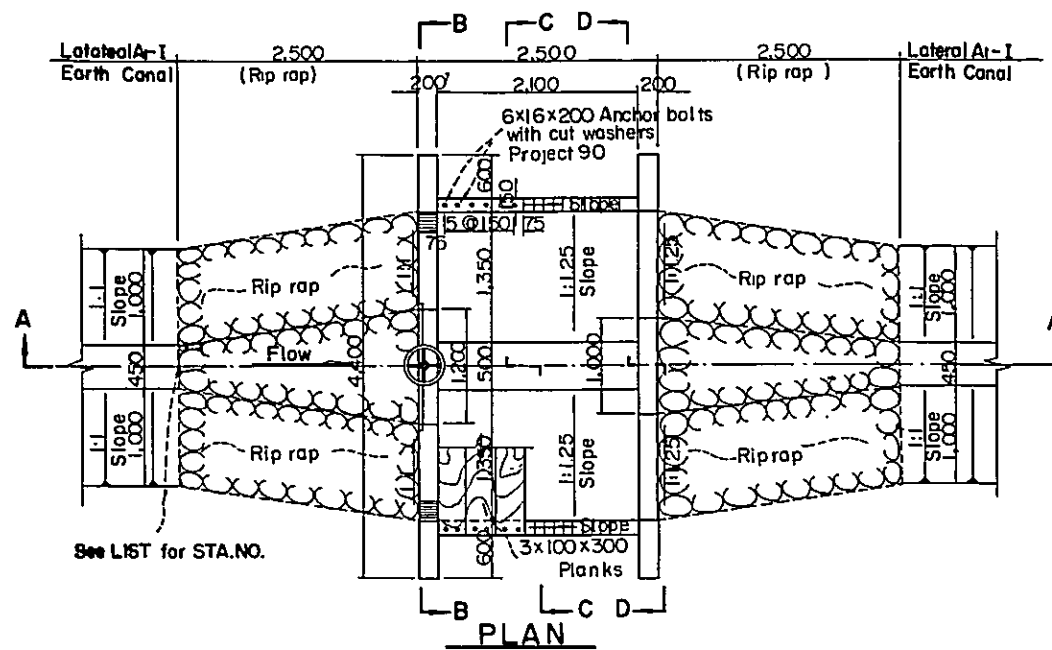
Sta-No	EL-(a)	EL-(b)	EL-(c)	EL-(d)
No. 4	26,385	26,561	25,265	25,385
798.5	25,135	25,311	24,015	24,135
1+998.5	23,635	23,811	22,515	22,635

NOTES

- All dimensions are given in millimeters
- All stations and elevations are given in meters.
- Chamfer all exposed corners 20 mm, unless otherwise shown
- For strength and aggregate size of concrete, see specifications.
- Unless otherwise shown, place reinforcement so that the clear distance between face of concrete and the nearest reinforcement is 50 mm except provide a clear distance of 100 mm from face of concrete placed against earth.
- Lap all bars 30 diameters at splices.
- All reinforcing steel to be plain bar with standard hook each end in addition to length shown.
- Hook with 180° bends, lengths of 10 bar diameters to be provided where shown.
- Use 10.5 bar diameter radii for bends of main reinforcement at the corner of rigid frame or Rahmen.
- Class A concrete to be placed at all portion, unless otherwise shown
- All welds to be full penetration continuous and smooth.
- Non-corrosive studs and nuts on flap valves.



THE PHILIPPINES RICE AND CORN PRODUCTION COORDINATING COUNCIL			
REGIONAL RICE PRODUCTION CENTER SANMIGUEL - ALANGALANG			
DROP TYPE 'E' AND 'F'			
PLAN AND SECTIONS			
OVERSEAS TECHNICAL COOPERATION AGENCY GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO	OF	DRAWING NO	A-26



LIST OF DROPS

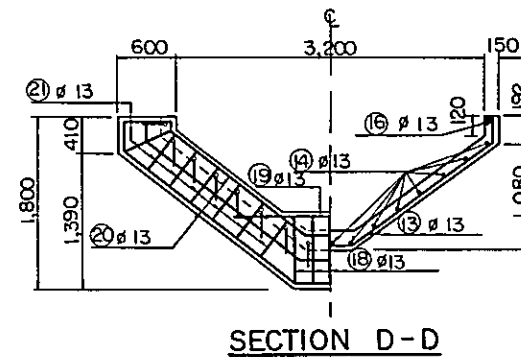
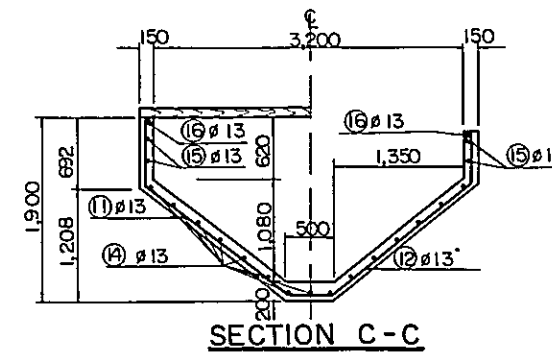
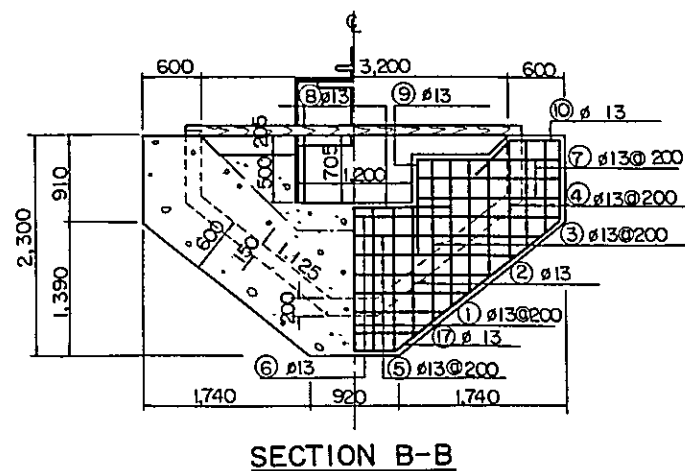
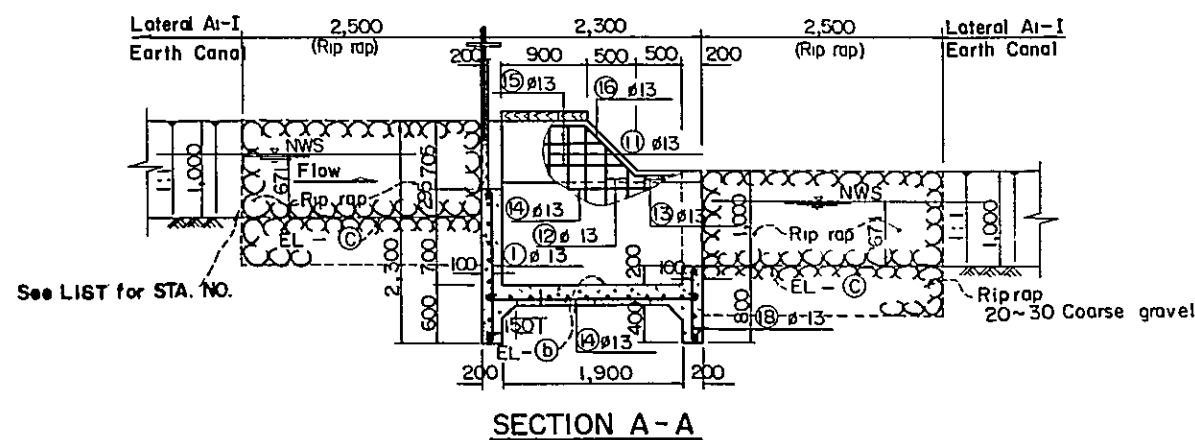
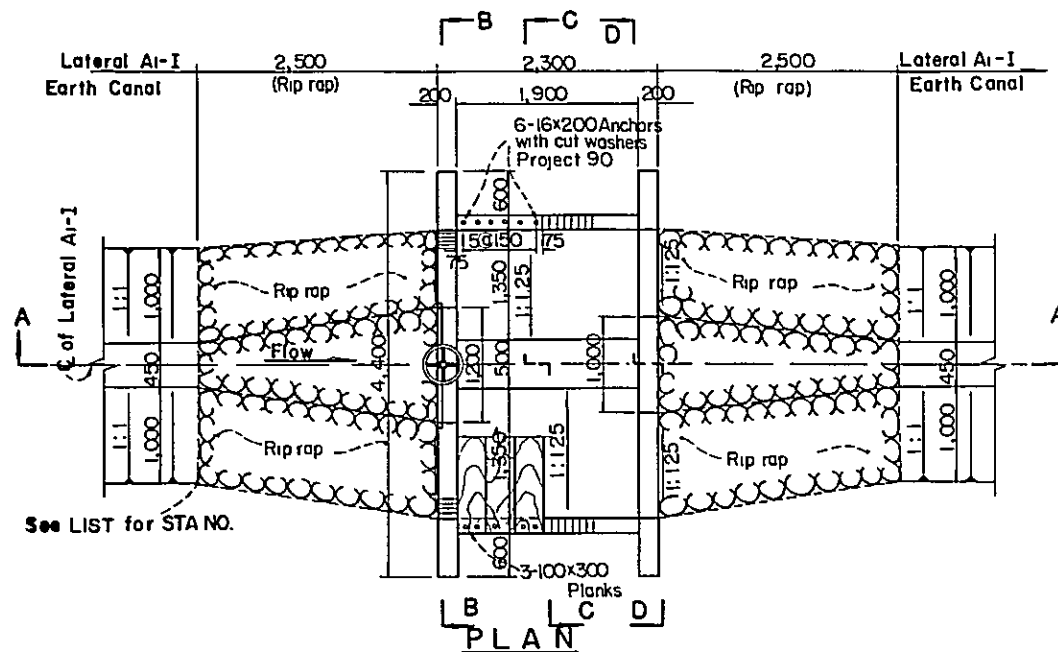
Sta No.	EL-@	EL-@	EL-@	REMARKS
No. 4175	35.475	35.275	35.475	
04975	34.629	33.429	33.629	
14975	33.084	31.884	32.084	
14985	32.037	30.837	31.037	

NOTES

- All dimensions are given in millimeters.
- All stations and elevations are given in meters.
- Chamfer all exposed corners 20 mm, unless otherwise shown.
- For strength and aggregate size of concrete, see specifications.
- Unless otherwise shown, place reinforcement so that the clear distance between face of concrete and the nearest reinforcement is 50 mm except provide a clear distance of 100 mm from face of concrete placed against earth.
- Lap all bars 30 diameters at splices.
- All reinforcing steel to be plain bar with standard hook each end in addition to length shown.
- Hook with 180° bends, lengths of 10 bar diameters to be provided where shown.
- Use 10 5 bar diameter radii for bends of main reinforcement at the corner of rigid frame or Rahmen.
- Class 'A' concrete to be placed at all portion unless otherwise shown.
- All welds to be full penetration continuous and smooth.
- Non-corrosive studs and nuts on flap valves.

0 1000 3000
SCALE OF MILLIMETERS

THE PHILIPPINES RICE AND CORN PRODUCTION COORDINATING COUNCIL REGIONAL RICE PRODUCTION CENTER SANMIGUEL - ALANGALANG		
DROP TYPE "G" PLAN AND SECTIONS		
OVERSEAS TECHNICAL COOPERATION AGENCY GOVERNMENT OF JAPAN		
SCALE	AS SHOWN	DATE
SHEET NO.	OF	DRAWING NO. A-27



LIST OF LATERAL Ai-I DROP 500

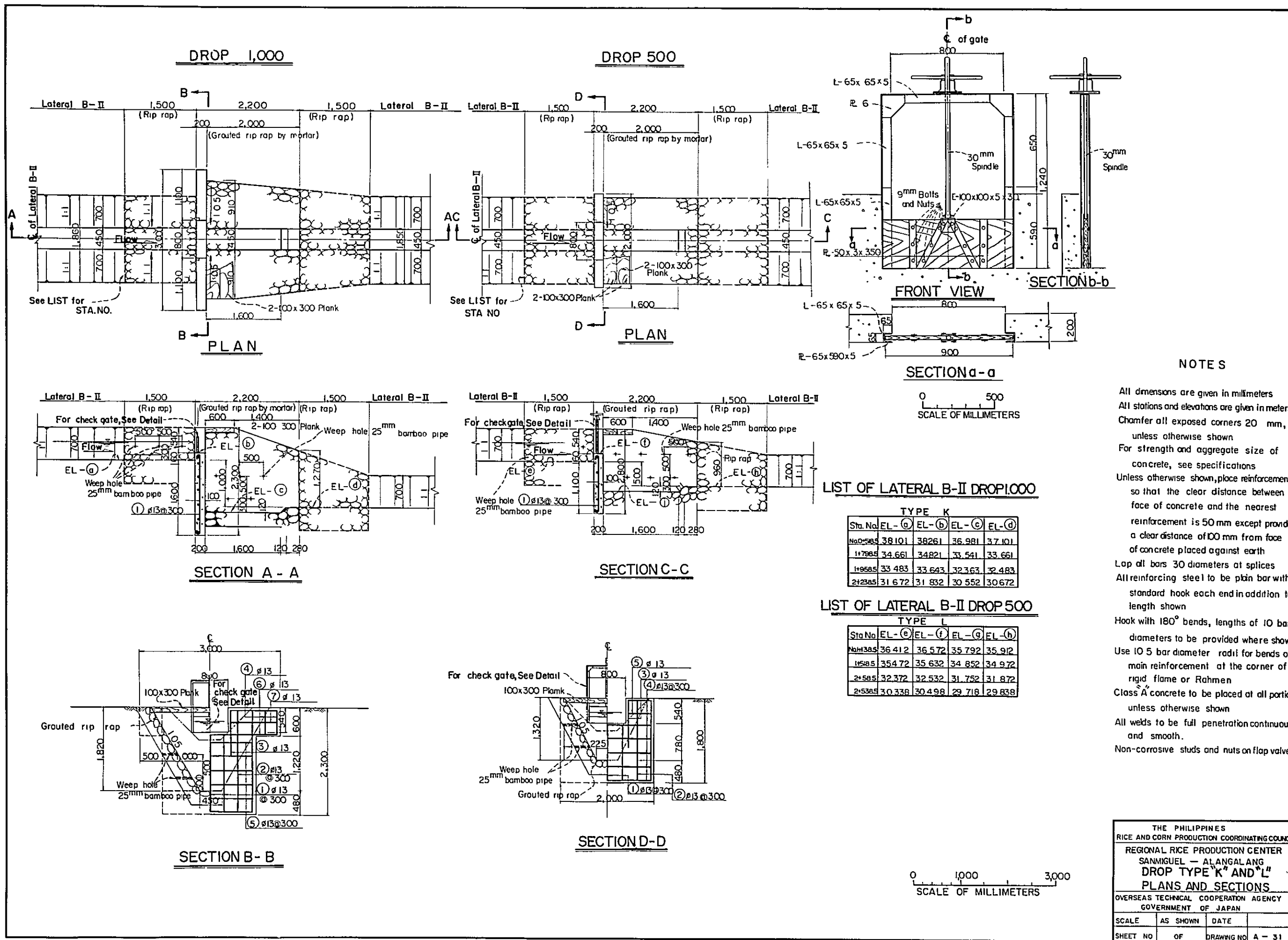
Sta-NO	EL- (a)	EL- (b)	EL- (c)	REMARKS
NO. 427.5	35.366	34.666	34.866	

NOTES

- All dimensions are given in millimeters.
- All stations and elevations are given in meters.
- Chamfer all exposed corners 20 mm, unless otherwise shown.
- For strength and aggregate size of concrete, see specifications.
- Unless otherwise shown, place reinforcement so that the clear distance between face of concrete and the nearest reinforcement is 50 mm except provide a clear distance of 100 mm from face of concrete placed against earth.
- Lap all bars 30 diameters at splices.
- All reinforcing steel to be plain bar with standard hook each end in addition to length shown.
- Hook with 180° bends, lengths of 10 bar diameters to be provided where shown.
- Use 10 5 bar diameter radii for bends of main reinforcement at the corner of rigid frame or Rahmen.
- Class A concrete to be placed at all portion, unless otherwise shown.
- All welds to be full penetration continuous and smooth.
- Non-corrosive studs and nuts on flap valves.

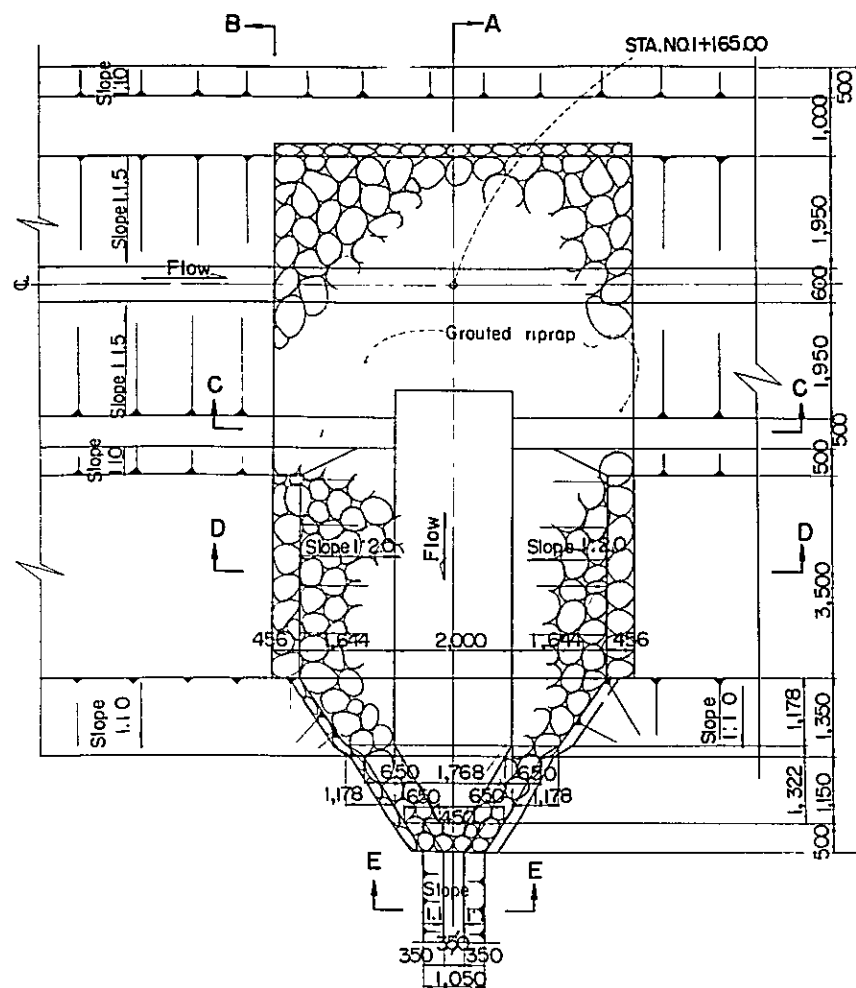
0 1,000 3,000
SCALE OF MILLIMETERS

THE PHILIPPINES RICE AND CORN PRODUCTION COORDINATING COUNCIL			
REGIONAL RICE PRODUCTION CENTER SAN MIGUEL - ALANGALANG			
DROP TYPE "H"			
PLAN AND SECTIONS			
OVERSEAS TECHNICAL COOPERATION AGENCY GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO.	OF	DRAWING NO.	A - 28

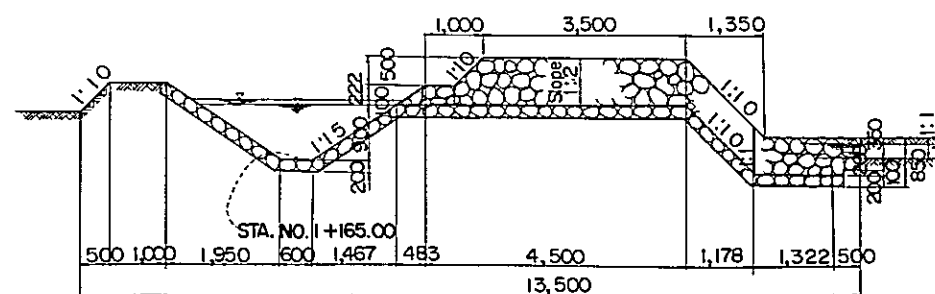


NOTES

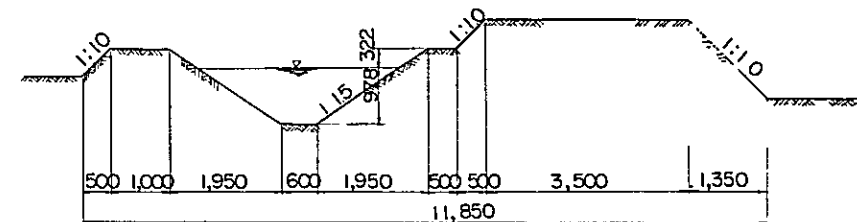
All dimensions are given in millimeters
 All stations and elevations are given in meters
 Chamfer all exposed corners 20 mm, unless otherwise shown
 For strength and aggregate size of concrete, see specifications
 Unless otherwise shown, place reinforcement so that the clear distance between face of concrete and the nearest reinforcement is 50 mm except provide a clear distance of 100 mm from face of concrete placed against earth
 Lap all bars 30 diameters at splices
 All reinforcing steel to be plain bar with standard hook each end in addition to length shown
 Hook with 180° bends, lengths of 10 bar diameters to be provided where shown.
 Use 10 5 bar diameter radii for bends of main reinforcement at the corner of rigid frame or Rahmen
 Class A concrete to be placed at all portion, unless otherwise shown
 All welds to be full penetration continuous and smooth.
 Non-corrosive studs and nuts on flap valves



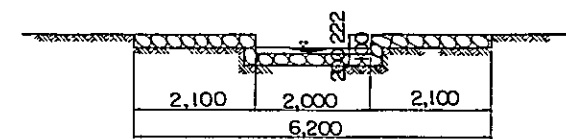
PLAN OF WASTE WAY NO. 1



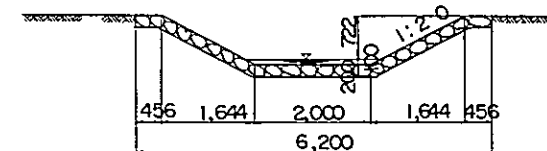
SECTION A-A



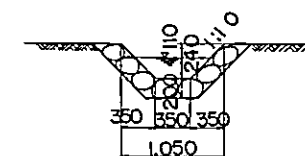
SECTION B-B



SECTION C-C



SECTION D-D



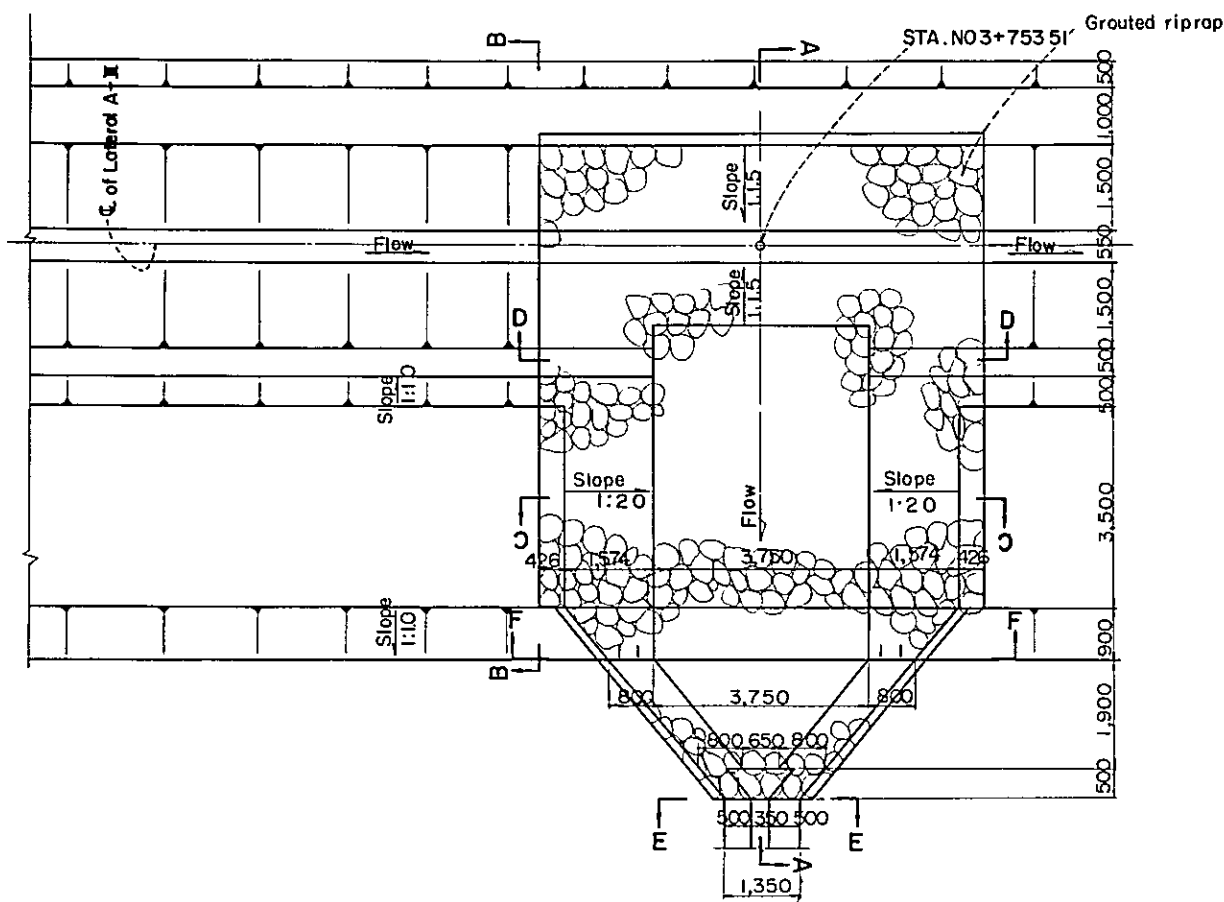
SECTION E-E

NOTES

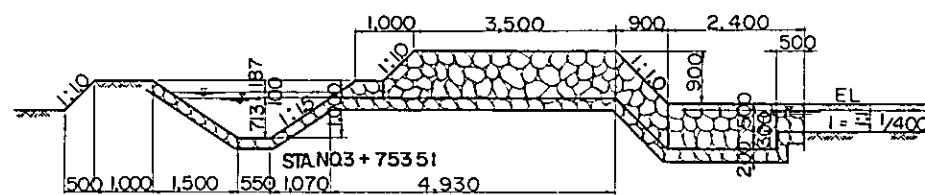
All dimensions are given in millimeters.
All stations and elevations are given in meters.

0 1000 3000 5000
SCALE OF MILLIMETERS

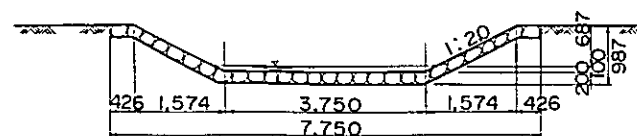
THE PHILIPPINES			
RICE AND CORN PRODUCTION COORDINATING COUNCIL			
REGIONAL RICE PRODUCTION CENTER			
SANMIGUEL - AL ANGAL ANG			
WASTE WAY NO. 1			
PLAN AND SECTIONS			
OVERSEAS TECHNICAL COOPERATION AGENCY			
GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO.	OF	DRAWING NO.	A - 32



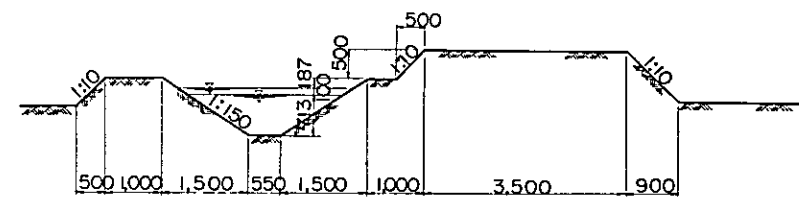
WASTE WAY PLAN STA. NO. 3+753.51



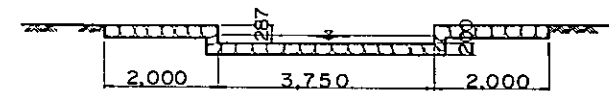
SECTION A - A



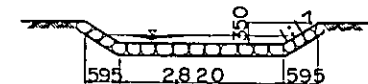
SECTION C - C



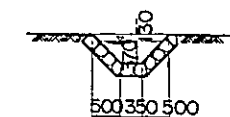
SECTION B - B



SECTION D - D



SECTION F - F



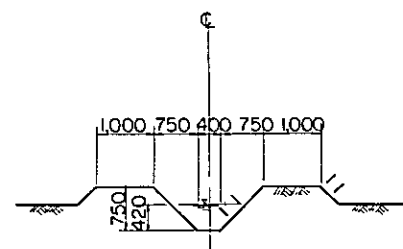
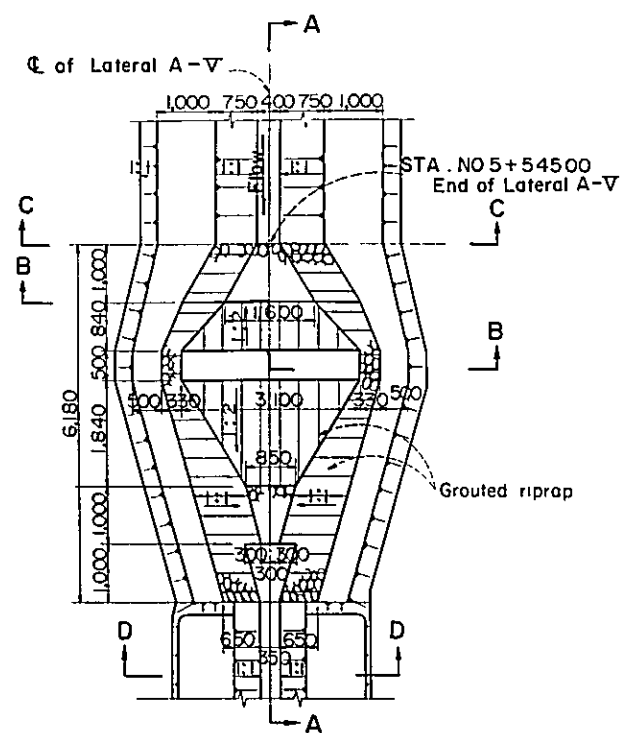
SECTION E - E

NOTES

All dimensions are given in millimeters.
All stations and elevations are given in meters

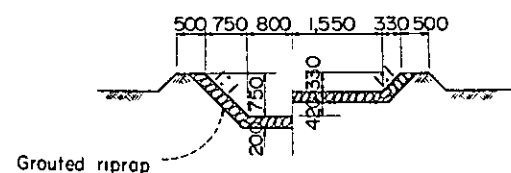
0 1000 3000 5000
SCALE OF MILLIMETERS

THE PHILIPPINES RICE AND CORN PRODUCTION COORDINATING COUNCIL			
REGIONAL RICE PRODUCTION CENTER SANMIGUEL - ALANGALANG			
WASTE WAY NO. 2 PLAN AND SECTIONS			
OVERSEAS TECHNICAL COOPERATION AGENCY GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO.	OF	DRAWING NO.	A - 33

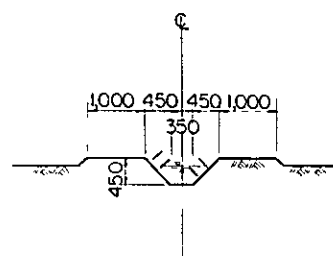


SECTION C-C

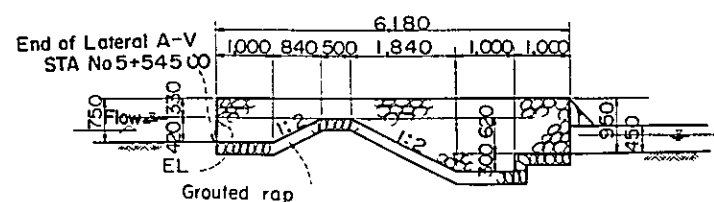
WASTEWAY PLAN STA. NO. 5 + 545.00



SECTION B-B



SECTION D-D



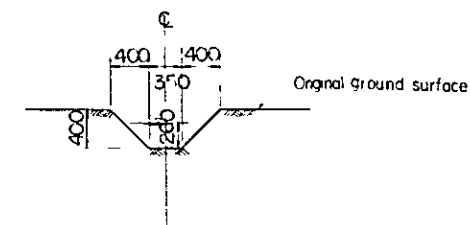
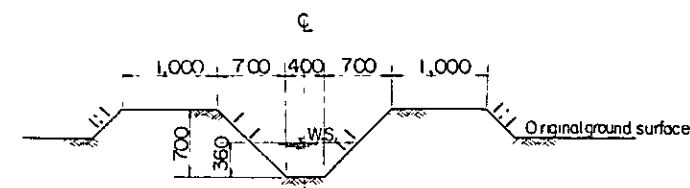
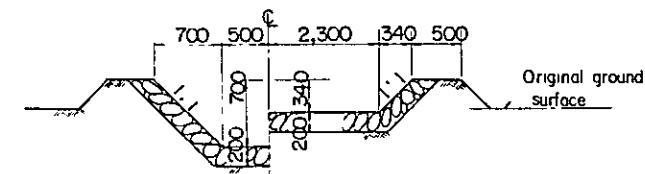
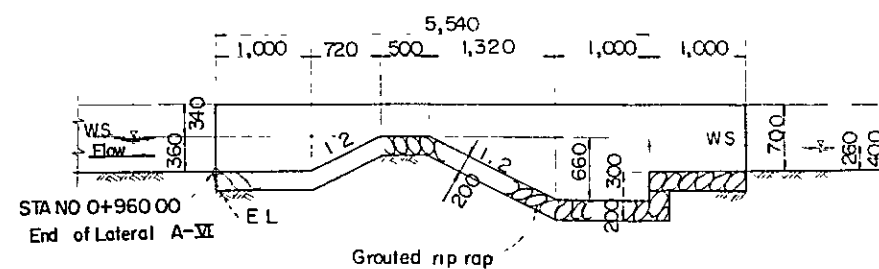
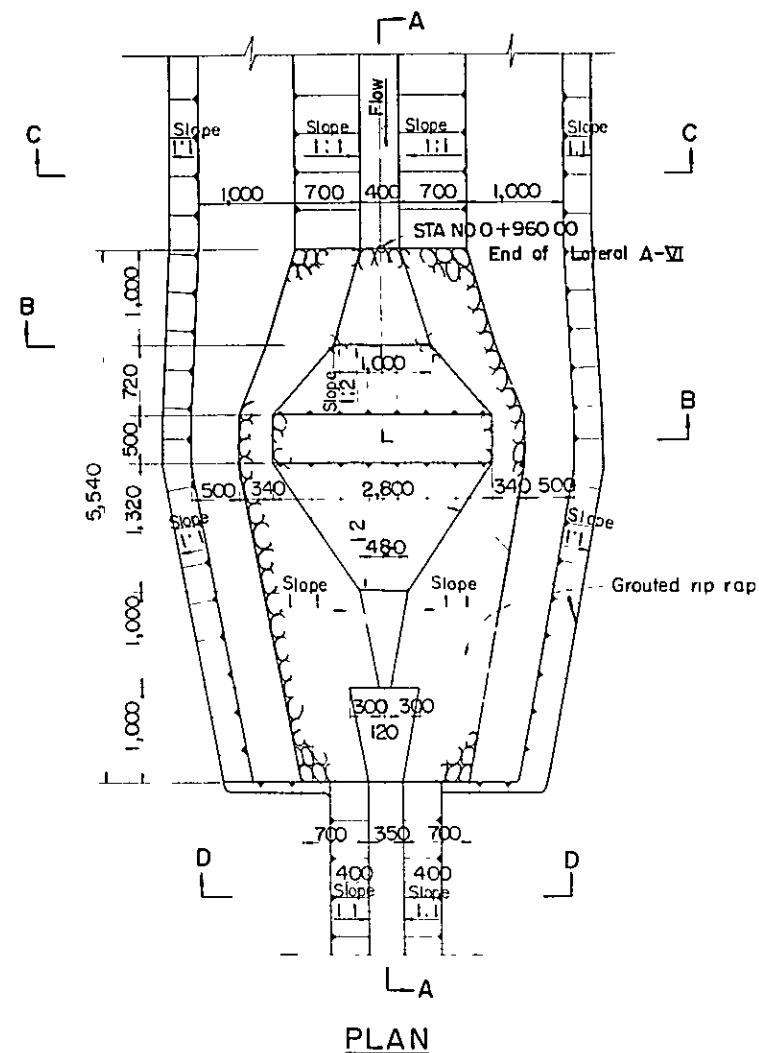
SECTION A-A

NOTES

All dimensions are given in millimeters.
All stations and elevations are given in meters.

0 1,000 3,000 5,000
SCALE OF MILLIMETERS

THE PHILIPPINES RICE AND CORN PRODUCTION COORDINATING COUNCIL			
REGIONAL RICE PRODUCTION CENTER SANMIGUEL - ALANGALANG			
WASTE WAY NO.3 PLAN AND SECTIONS			
OVERSEAS TECHNICAL COOPERATION AGENCY GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO	OF	DRAWING NO	A - 34

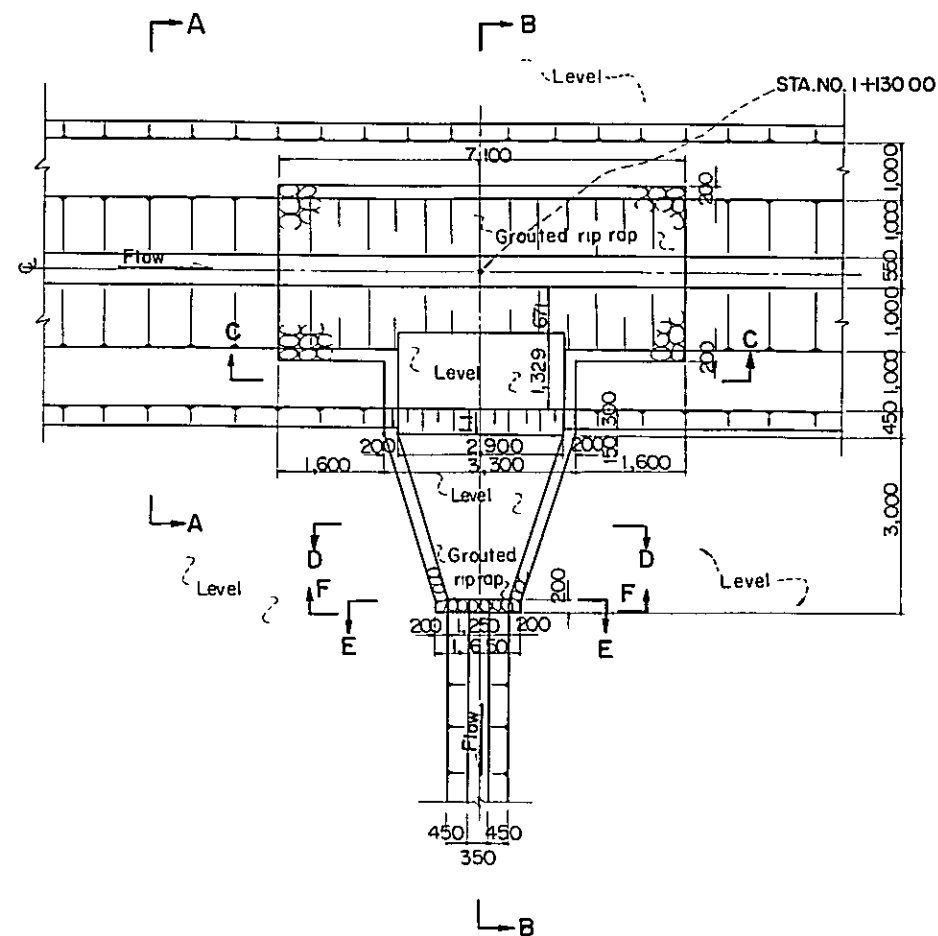


NOTES

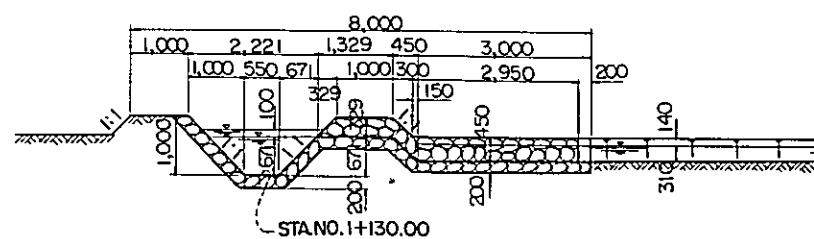
All dimensions are given in millimeters
All stations and elevations are given in meters.

0 1,000 3,000
SCALE OF MILLIMETERS

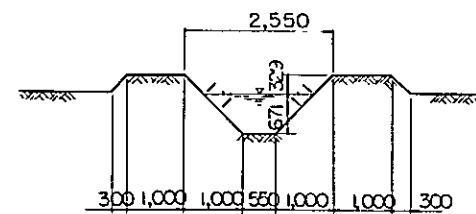
THE PHILIPPINES			
RICE AND CORN PRODUCTION COORDINATING COUNCIL			
REGIONAL RICE PRODUCTION CENTER			
SANMIGUEL - ALANGALANG			
WASTE WAY NO. 4			
PLAN AND SECTIONS			
OVERSEAS TECHNICAL COOPERATION AGENCY			
GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO.	OF	DRAWING NO.	A - 35



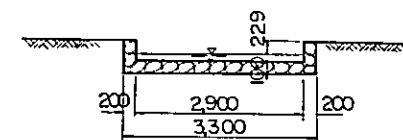
WASTEWAY PLAN STA. NO. 1+130.00



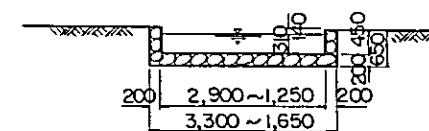
SECTION B - B



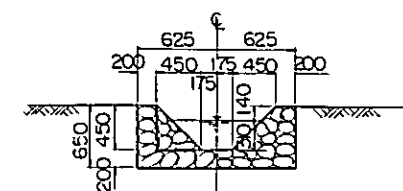
SECTION A - A



SECTION C - C



SECTION D - D



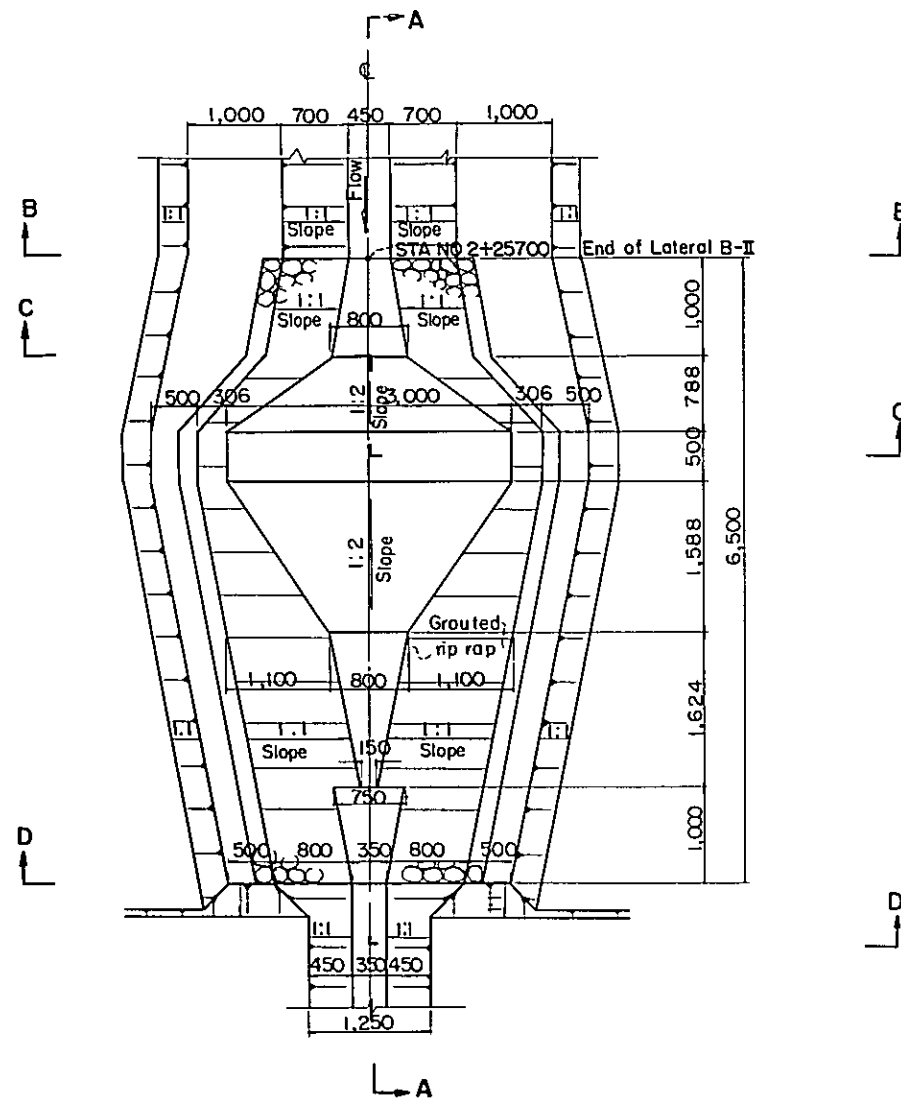
SECTION E - E SECTION F - F

NOTE

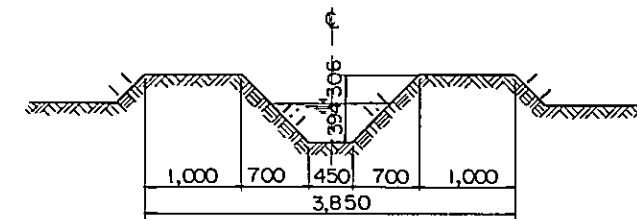
All dimensions are given in millimeters



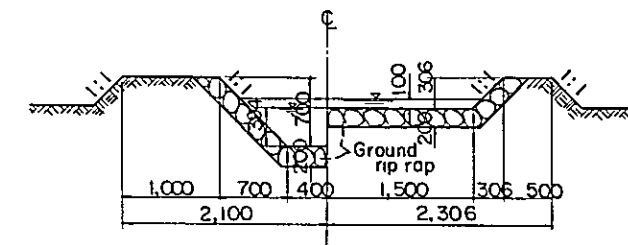
THE PHILIPPINES			
RICE AND CORN PRODUCTION COORDINATING COUNCIL			
REGIONAL RICE PRODUCTION CENTER			
SANMIGUEL - ALANGALANG			
WASTE WAY NO. 5			
PLAN AND SECTIONS			
OVERSEAS TECHNICAL COOPERATION AGENCY			
GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO.	OF	DRAWING NO.	A-35



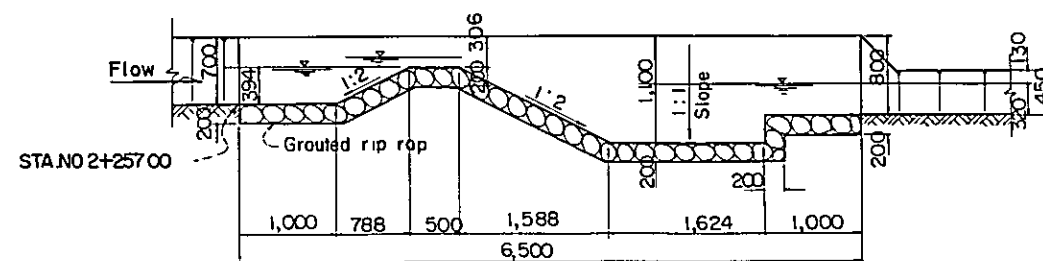
WASTE WAY PLAN STA. NO. 2+257.00



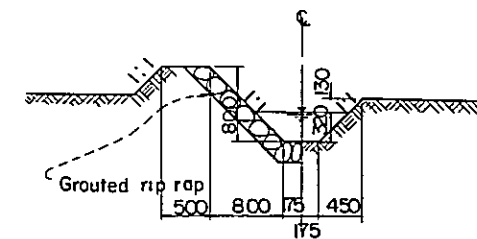
SECTION B-B



SECTION C-C



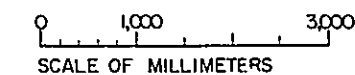
SECTION A-A



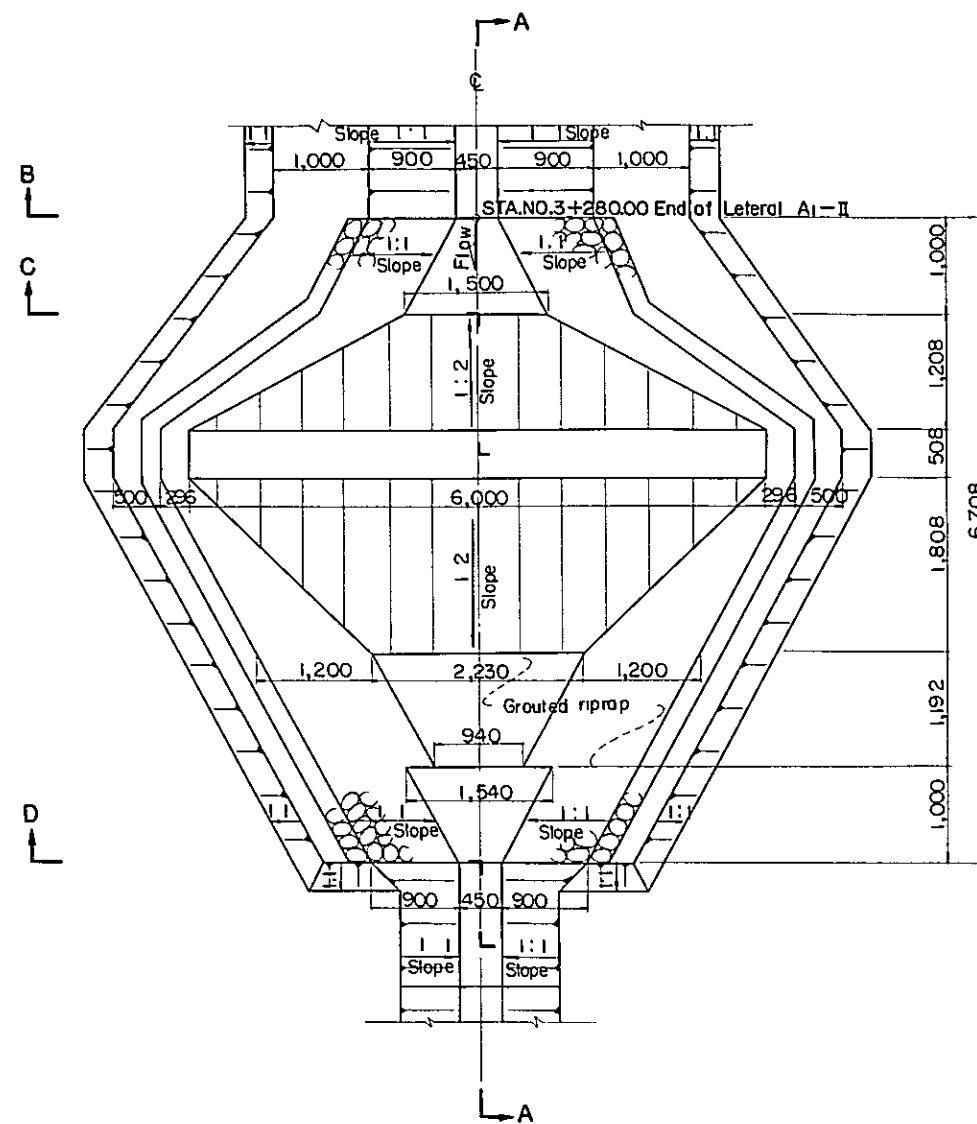
SECTION D-D

NOTE

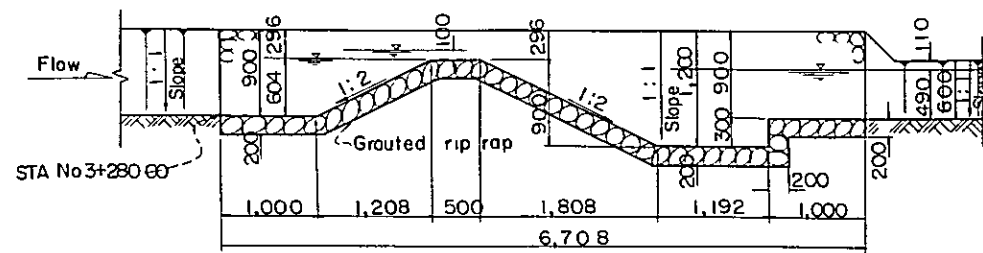
All dimensions are given in millimeters



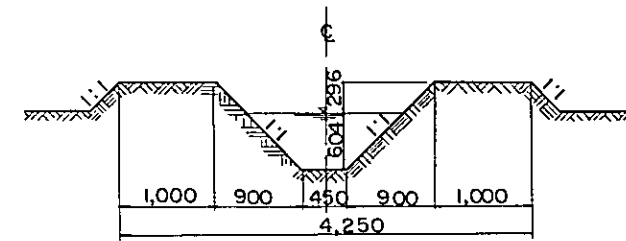
THE PHILIPPINES RICE AND CORN PRODUCTION COORDINATING COUNCIL REGIONAL RICE PRODUCTION CENTER SAN MIGUEL — ALANGALANG WASTE WAY NO. 6 PLAN AND SECTIONS OVERSEAS TECHNICAL COOPERATION AGENCY GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO	OF	DRAWING NO	A-37



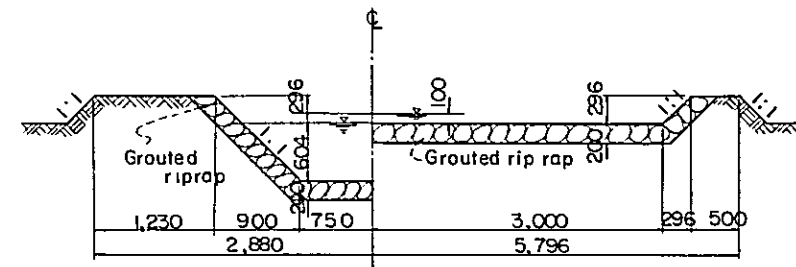
WASTEWAY PLAN STA. NO. 3+280.00



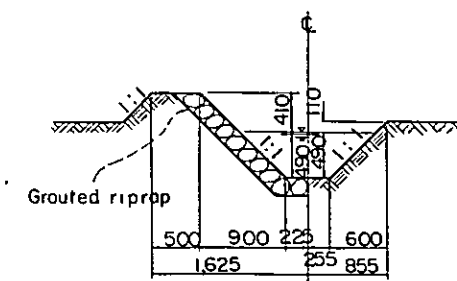
SECTION A-A



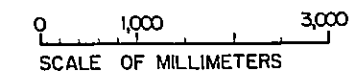
SECTION B-B



SECTION C-C



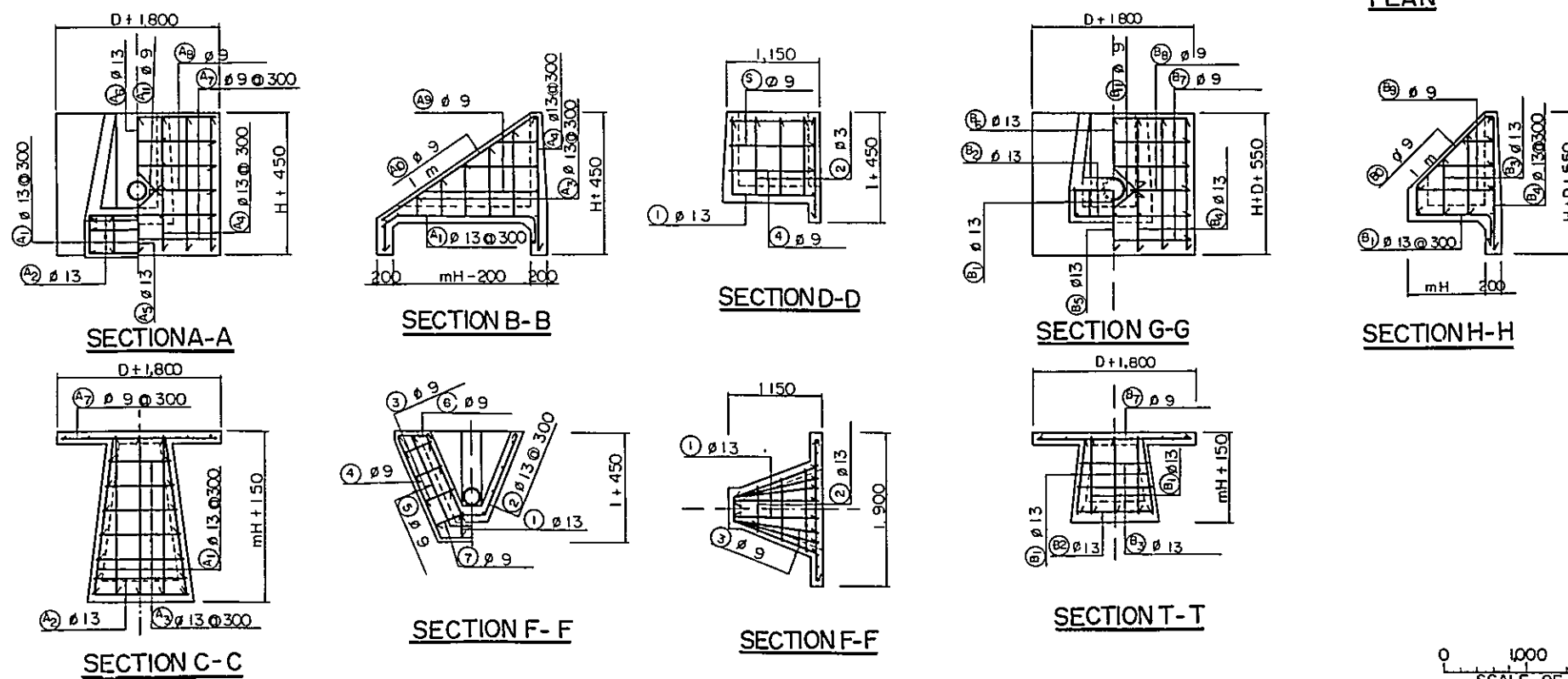
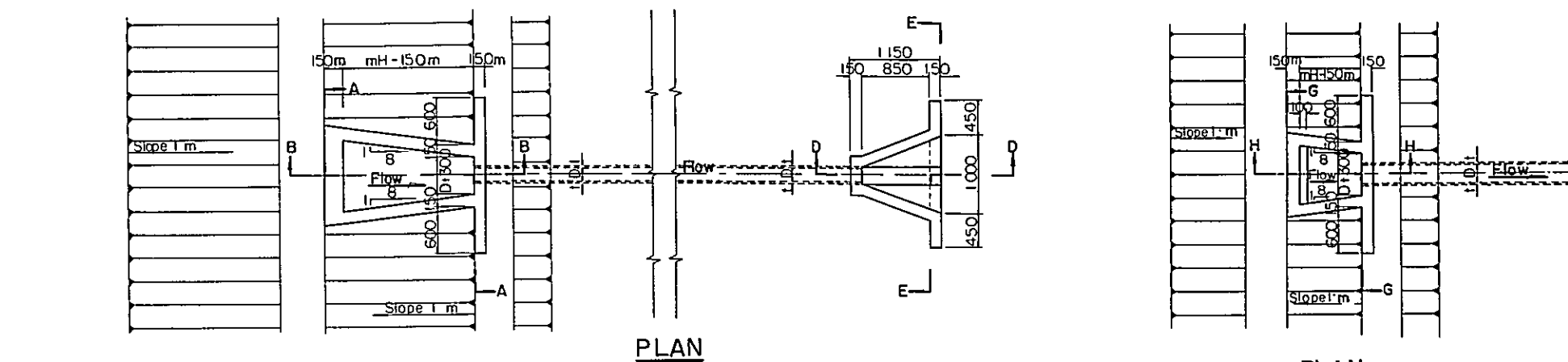
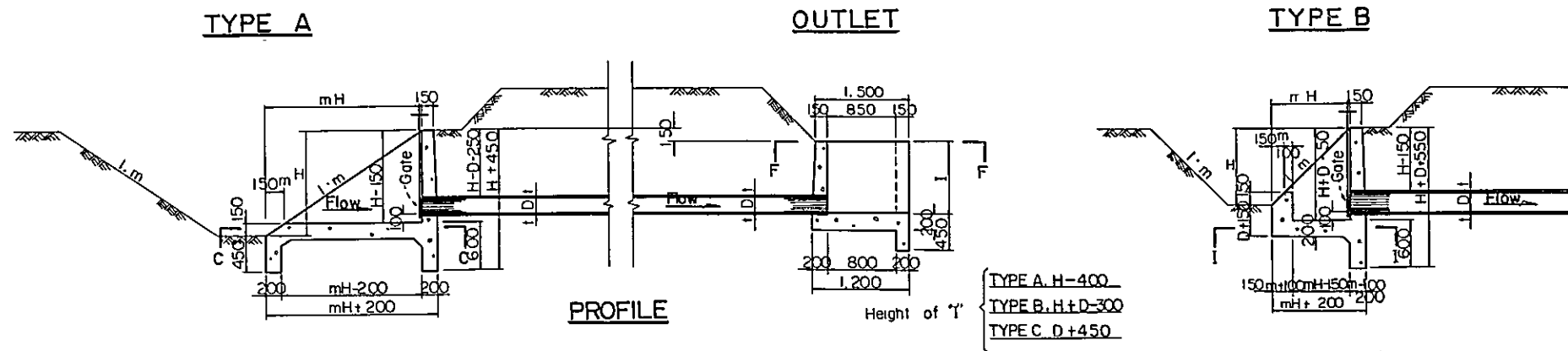
SECTION D-D



NOTE

All dimensions are given in millimeters

THE PHILIPPINES			
RICE AND CORN PRODUCTION COORDINATING COUNCIL			
REGIONAL RICE PRODUCTION CENTER			
SANMIGUEL-ALANGALANG			
WASTE WAY NO. 7			
PLAN AND SECTIONS			
OVERSEAS TECHNICAL COOPERATION AGENCY			
GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO	OF	DRAWING NO	A-38

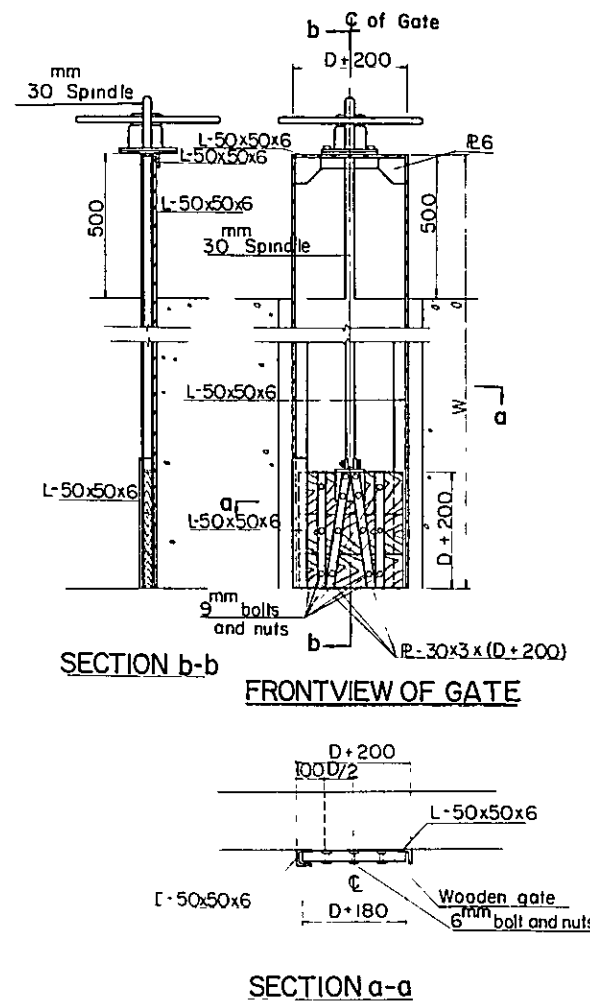
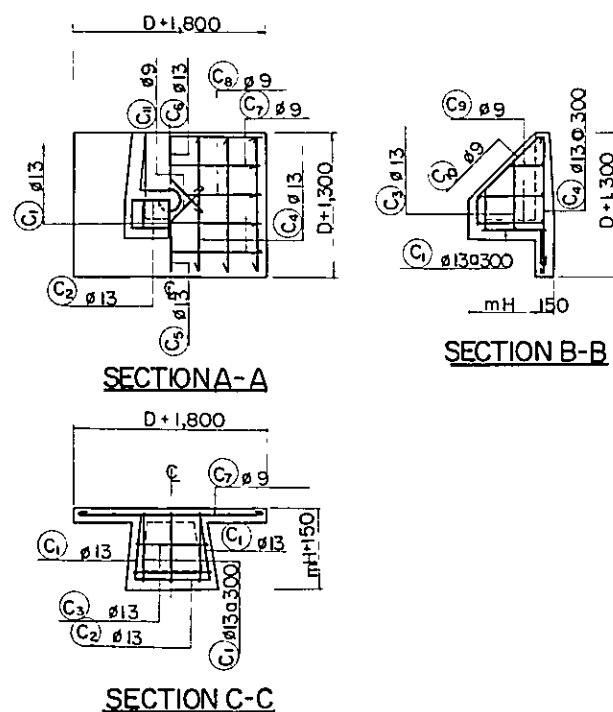
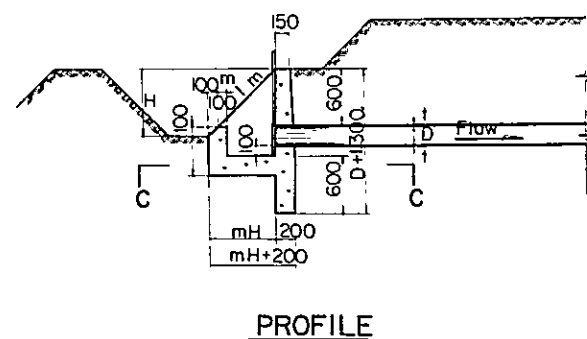
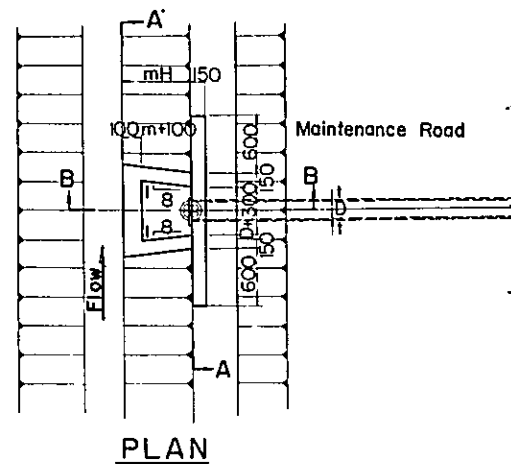


0 1000 3000
SCALE OF MILLIMETERS

NOTES

All dimensions are given in millimeters
See Drawing A-40 for Type 'C'
and the gate
Concrete design, except precast, based on
a compressive strength of 80 kg/cm²
Chamfer all exposed corners 20 mm,
unless otherwise shown.
For strength and aggregate size of
concrete, see specifications
Unless otherwise shown, place reinforcement
so that the clear distance between
face of concrete and the nearest
reinforcement is 50 mm except provide a
clear distance of 100 mm from face of
concrete placed against earth.
Lap all bars 30 diameters at splices.
All reinforcing steel to be plain bar with
standard hook each end in addition to
length shown.
Hook with 180° bends, lengths of 10 bar
diameters to be provided where shown.
Use 10 5 bar diameter radii for bends of
main reinforcement at the corner of
rigid frame or Rahmen.
Base of concrete structure to be placed on
undisturbed natural foundation or
thoroughly compacted fill.
All turnouts not to require the use of trashrack
Maximum velocity through the pipe shall
not be greater than 10 m/sec.
Class 'A' concrete to be placed at all portion
unless otherwise shown

THE PHILIPPINES RICE AND CORN PRODUCTION COORDINATING COUNCIL REGIONAL RICE PRODUCTION CENTER SAN MIGUEL - ALANGALANG			
TURNOUT, TYPE "A" AND "B" PLAN, PROFILE AND SECTIONS			
OVERSEAS TECHNICAL COOPERATION AGENCY GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO.	OF	DRAWING NO.	A-39



EXPLANATION
Length of 'W' to be equal to H+350
at TYPE 'A' and TYPE 'B' and b+1,200
at TYPE 'C'

LIST OF TURNOUTS

NO	NAME OF TURNOUT	STATION NO.	CONTROL AREA	DISCHARGE	DIAMETER OF PIPE	H	m	I	W	LENGTH OF PIPE
1	A-11R	NO. 110.00	6.40	0.014	Ø 150	25	1.500	1.5	1.100	1.850
2	A-11R	NO. 120.00	9.40	0.020	Ø 200	25	1.300	1.5	900	1.650
3	1L	NO. 150.00	17.30	0.038	Ø 250	30	1.300	1.5	900	1.300
4	2R	NO. 170.00	21.80	0.048	Ø 250	30	1.300	1.5	900	1.300
5	A-11R	NO. 200.00	10.00	0.022	Ø 200	25	1.000	1.5	900	1.350
6	1L	NO. 200.00	9.80	0.021	Ø 200	25	1.000	1.5	900	1.300
7	2R	NO. 200.00	12.50	0.027	Ø 200	25	1.000	1.5	900	1.300
8	3L	NO. 200.00	6.70	0.015	Ø 150	25	1.000	1.5	850	1.300
9	3R	NO. 200.00	5.50	0.012	Ø 150	25	1.000	1.5	850	1.300
10	3L	NO. 118.00	10.80	0.024	Ø 200	25	1.000	1.5	900	1.300
11	4R	NO. 1878.00	7.70	0.017	Ø 150	25	1.000	1.5	850	1.300
12	5R	NO. 248.00	6.10	0.013	Ø 150	25	1.000	1.5	850	1.300
13	6R	NO. 248.00	6.60	0.014	Ø 150	25	1.000	1.5	850	1.300
14	7R	NO. 248.00	15.10	0.035	Ø 250	25	1.000	1.5	950	1.300
15	A-11K	NO. 260.00	13.00	0.028	Ø 200	25	950	1.0	850	1.300
16	1L	NO. 260.00	16.50	0.036	Ø 250	30	1.000	1.5	900	1.300
17	2R	NO. 260.00	38.00	0.083	Ø 350	30	1.000	1.5	1,000	1.300
18	A-11R	NO. 270.00	16.00	0.035	Ø 250	30	1.000	1.5	900	1.350
19	1L	NO. 270.00	11.60	0.025	Ø 200	25	1.000	1.5	900	1.300
20	2R	NO. 270.00	13.10	0.029	Ø 200	25	1.000	1.5	900	1.300
21	3R	NO. 270.00	10.40	0.023	Ø 200	25	1.000	1.5	850	1.300
22	4R	NO. 270.00	6.50	0.014	Ø 150	25	1.000	1.5	850	1.300
23	A-11L	NO. 280.00	6.50	0.014	Ø 150	25	900	1.0	750	1,250
24	2L	NO. 280.00	5.70	0.012	Ø 150	25	900	1.0	750	1,250
25	1R	NO. 280.00	8.20	0.018	Ø 200	25	900	1.0	800	1,300
26	3L	NO. 280.00	5.40	0.012	Ø 150	25	900	1.0	750	1,300
27	2R	NO. 280.00	12.60	0.027	Ø 200	25	900	1.0	800	1,300
28	4L	NO. 280.00	7.20	0.016	Ø 150	25	900	1.0	750	1,300
29	3R	NO. 280.00	20.50	0.045	Ø 250	30	900	1.0	850	1,300
30	5L	NO. 310.00	9.50	0.021	Ø 200	25	900	1.0	850	1,300
31	4R	NO. 310.00	5.50	0.012	Ø 150	25	900	1.0	750	1,300
32	5R	NO. 310.00	15.00	0.035	Ø 250	30	900	1.0	850	1,300
33	6L	NO. 310.00	9.00	0.020	Ø 200	25	900	1.0	800	1,300
34	6R	NO. 310.00	18.30	0.040	Ø 250	30	900	1.0	850	1,300
35	7L	NO. 310.00	11.70	0.026	Ø 200	25	900	1.0	800	1,300
36	7R	NO. 280.00	10.00	0.022	Ø 200	25	900	1.0	800	1,300
37	8L	NO. 280.00	7.00	0.015	Ø 150	25	900	1.0	750	1,300
38	A-VIR	NO. 710.00	5.00	0.011	Ø 150	25	750	1.0	600	1,350
39	1L	NO. 710.00	8.10	0.018	Ø 200	25	750	1.0	650	1,400
40	2R	NO. 710.00	8.10	0.018	Ø 200	25	750	1.0	650	1,400
41	2L	NO. 710.00	7.50	0.016	Ø 150	25	750	1.0	600	1,350
42	3R	NO. 710.00	11.00	0.024	Ø 200	25	750	1.0	650	1,400
43	3L	NO. 710.00	10.00	0.022	Ø 200	25	750	1.0	650	1,400
44	4R	NO. 710.00	14.00	0.031	Ø 250	30	750	1.0	700	1,450
45	4L	NO. 710.00	12.00	0.026	Ø 200	25	750	1.0	650	1,350
46	A-VIR	NO. 400.00	5.00	0.011	Ø 150	25	700	1.0	600	1,350
47	1L	NO. 400.00	7.00	0.015	Ø 150	25	700	1.0	600	1,350
48	2R	NO. 400.00	7.00	0.015	Ø 150	25	700	1.0	600	1,350
49	2L	NO. 400.00	6.00	0.013	Ø 150	25	700	1.0	600	1,350
50	3R	NO. 400.00	15.00	0.033	Ø 250	30	700	1.0	700	1,450
51	3L	NO. 400.00	16.30	0.036	Ø 250	30	700	1.0	700	1,450
52	B-VIR	NO. 670.00	5.00	0.011	Ø 150	25	600	1.0	600	1,350
53	1L	NO. 670.00	14.00	0.032	Ø 200	25	600	1.0	650	1,400
54	2R	NO. 670.00	17.50	0.038	Ø 250	30	600	1.0	700	1,450
55	2L	NO. 670.00	3.80	0.012	Ø 150	25	600	1.0	600	1,350
56	3R	NO. 310.00	5.50	0.012	Ø 150	25	600	1.0	600	1,350
57	3L	NO. 310.00	13.00	0.028	Ø 200	25	600	1.0	650	1,400
58	4L	NO. 310.00	10.50	0.023	Ø 200	25	600	1.0	650	1,400

0 1,000 3,000
SCALE OF MILLIMETERS

NOTES

All dimensions are given in millimeters
See Drawing A-39 for TYPE 'A' and
TYPE 'B'

Concrete design, except precast, based on
a compressive strength of 80kg/cm²

Chamfer all exposed corners 20 mm,
unless otherwise shown

For strength and aggregate size of
concrete, see specifications

Unless otherwise shown, place reinforcement
so that the clear distance between
face of concrete and the nearest
reinforcement is 50mm except provide a
clear distance of 100mm from face of
concrete placed against earth

Lap all bars 30 diameters at splices.

All reinforcing steel to be plain bar with
standard hook each end in addition to
length shown.

Hook with 180° bends, lengths of 10 bar
diameters to be provided where shown

Use 10.5 bar diameter radii for bends of
main reinforcement at the corner of
rigid frame or Rahmen

Base of concrete structure to be placed
on undisturbed natural foundation or
thoroughly compacted fill.

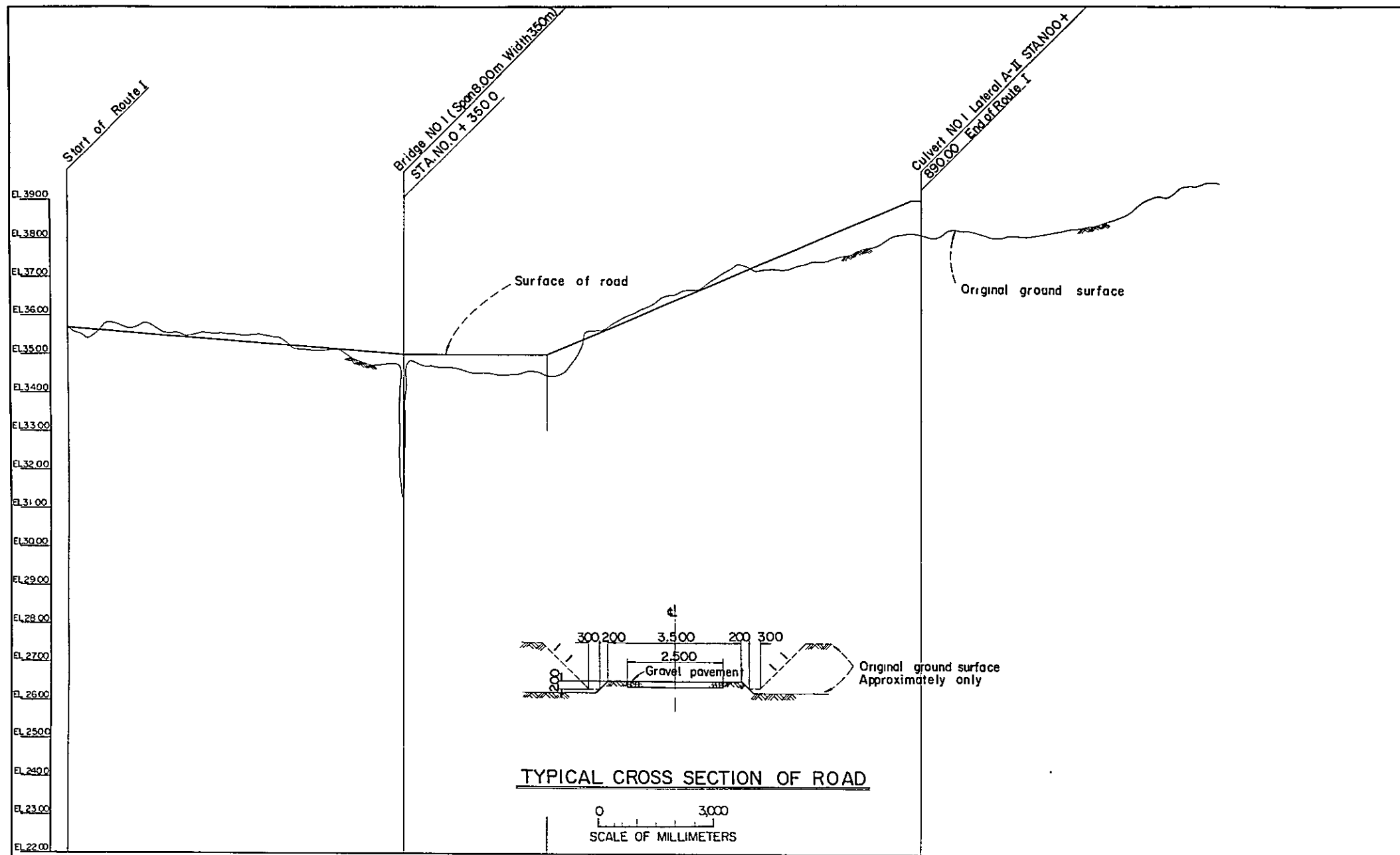
All welds to be full penetration continuous
and smooth

Non corrosive studs and nuts on flap valves

All turnouts not to require the use of trashrack.
Maximum velocity through the pipe shall
not be greater than 1.0 m/sec.

Malleable iron washers to be used unless
otherwise shown.

THE PHILIPPINES RICE AND CORN PRODUCTION COORDINATING COUNCIL			
REGIONAL RICE PRODUCTION CENTER SAN MIGUEL - ALANGALANG			
TURNOUT TYPE 'C'			
PLAN, PROFILE AND SECTIONS			
OVERSEAS TECHNICAL COOPERATION AGENCY GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO.	OF	DRAWING NO.	A-40



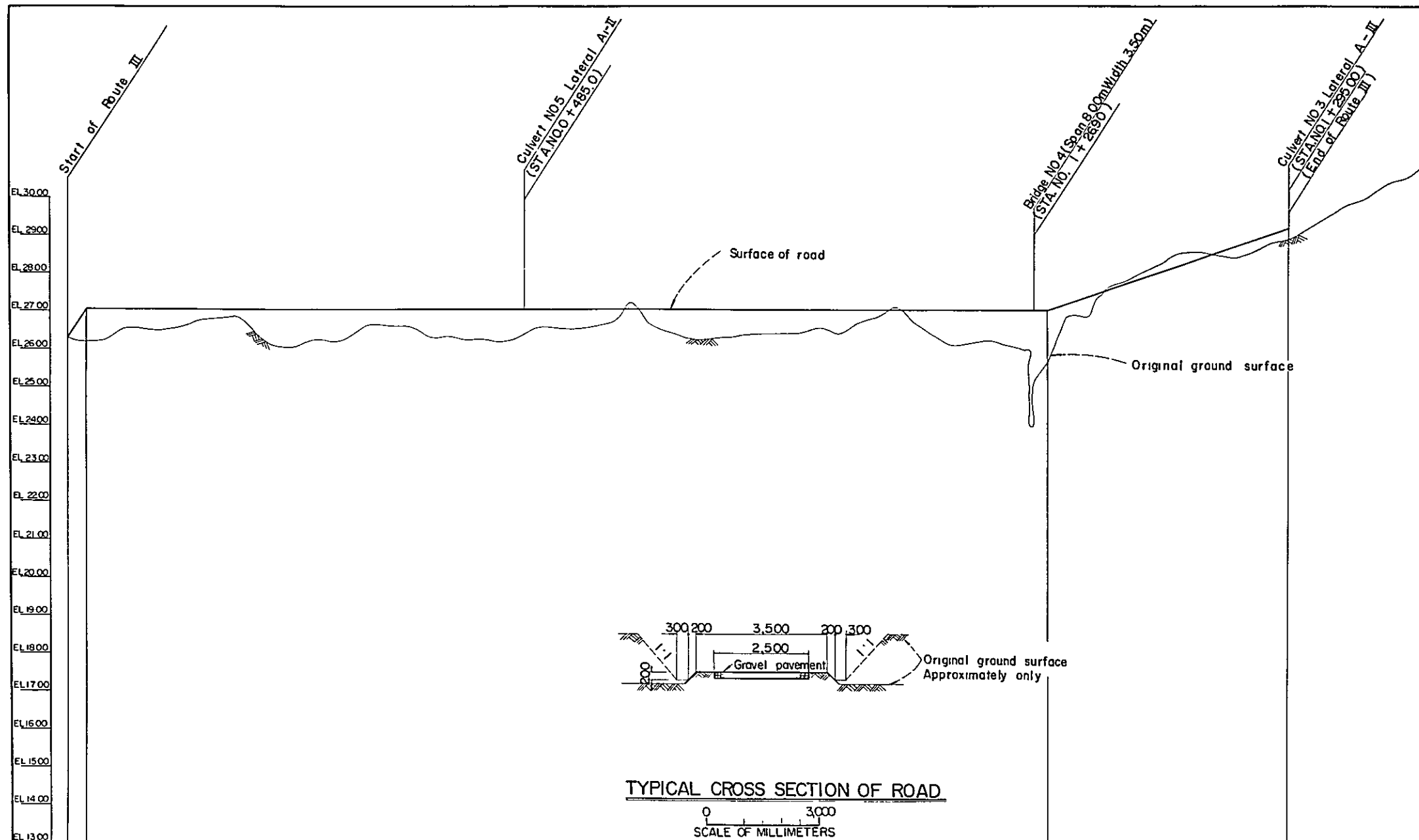
NOTES

All dimensions are given in millimeters.
All stations and elevations are given in meters.
Pit-run gravel to be distributed evenly on operating berm.

ST. NO.	ST. DIST.	GROUND ELEV.	PROPOSED ELEV.	CUTTING DEPTH	HEIGHT OF EMB.	GRADE
NO 0	0 00	36.69	35.70	0.00	0.00	0.20 %
+20.00	20 00	36.39	35.66	0.27	0.27	Level I
+40.00	40 00	35.83	35.62	0.10	0.10	1.05 %
+60.00	60 00	35.68	35.58	0.10	0.10	
+80.00	80 00	35.84	35.54	0.30	0.30	
+100.00	100 00	35.56	35.50	0.06	0.06	
+120.00	120 00	35.50	35.46	0.04	0.04	
+140.00	140 00	35.58	35.42	0.16	0.16	
+160.00	160 00	35.54	35.38	0.16	0.16	
+180.00	180 00	35.50	35.34	0.16	0.16	
+200.00	200 00	35.51	35.30	0.21	0.21	
+220.00	220 00	35.44	35.26	0.18	0.18	
+240.00	240 00	35.14	35.22	0.08	0.08	
+260.00	260 00	35.08	35.18	0.10	0.10	
+280.00	280 00	35.14	35.14	0.00	0.00	
+300.00	300 00	34.88	35.10	0.22	0.22	
+320.00	320 00	34.72	35.06	0.34	0.34	
+340.00	340 00	34.76	35.02	0.26	0.26	
+360.00	360 00	34.82	35.00	0.18	0.18	
+380.00	380 00	34.69	35.00	0.31	0.31	
+400.00	400 00	34.66	35.00	0.34	0.34	
+420.00	420 00	34.52	35.00	0.48	0.48	
+440.00	440 00	34.51	35.00	0.49	0.49	
+460.00	460 00	34.48	35.00	0.52	0.52	
+480.00	480 00	34.57	35.00	0.43	0.43	
+500.00	500 00	34.56	35.00	0.44	0.44	
+520.00	520 00	35.57	35.42	0.15	0.15	
+540.00	540 00	35.57	35.63	0.06	0.06	
+560.00	560 00	35.67	35.84	0.17	0.17	
+580.00	580 00	35.97	36.05	0.08	0.08	
+600.00	600 00	36.18	36.26	0.08	0.08	
+620.00	620 00	36.47	36.47	0.00	0.00	
+640.00	640 00	36.63	36.63	0.00	0.00	
+660.00	660 00	36.71	36.68	0.03	0.03	
+680.00	680 00	37.05	36.89	0.16	0.16	
+700.00	700 00	37.36	37.10	0.26	0.26	
+720.00	720 00	37.18	37.31	0.13	0.13	
+740.00	740 00	37.24	37.52	0.28	0.28	
+760.00	760 00	37.29	37.74	0.45	0.45	
+780.00	780 00	37.42	37.95	0.53	0.53	
+800.00	800 00	37.50	38.16	0.66	0.66	
+820.00	820 00	37.64	38.37	0.73	0.73	
+840.00	840 00	37.79	38.58	0.79	0.79	
+860.00	860 00	38.06	38.79	0.73	0.73	
+880.00	880 00	38.13	39.00	0.87	0.87	
+900.00	900 00	38.04	39.00	0.96	0.96	
+920.00	920 00	38.24	38.24	0.00	0.00	
+940.00	940 00	38.21	38.21	0.00	0.00	
+960.00	960 00	38.06	38.06	0.00	0.00	
+980.00	980 00	38.08	38.08	0.00	0.00	
+1000.00	1000 00	38.06	38.06	0.00	0.00	
+1020.00	1020 00	38.14	38.14	0.00	0.00	
+1040.00	1040 00	38.22	38.22	0.00	0.00	
+1060.00	1060 00	38.32	38.32	0.00	0.00	
+1080.00	1080 00	38.44	38.44	0.00	0.00	
+1100.00	1100 00	38.61	38.61	0.00	0.00	
+1120.00	1120 00	38.98	38.98	0.00	0.00	
+1140.00	1140 00	39.12	39.12	0.00	0.00	
+1160.00	1160 00	39.36	39.36	0.00	0.00	
+1180.00	1180 00	39.42	39.42	0.00	0.00	
+1200.00	1200 00	39.44	39.44	0.00	0.00	

Horizontal scale 0 50 100
SCALE OF METERS
Vertical scale 0 1 2
SCALE OF METERS

THE PHILIPPINES RICE AND CORN PRODUCTION COORDINATING COUNCIL REGIONAL RICE PRODUCTION CENTER SAN MIGUEL ALANGALANG ACCESS ROAD I PROFILE			
OVERSEAS TECHNICAL COOPERATION AGENCY GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO	OF	DRAWING NO	A - 41



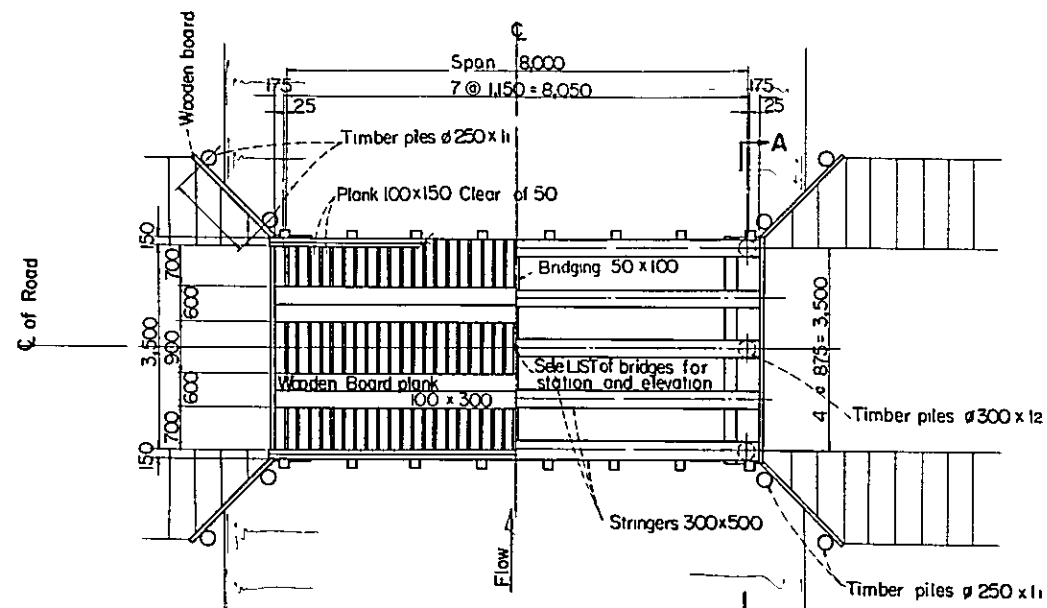
NOTES

All dimensions are given in millimeters
All stations and elevations are given in meters.
Pit-run gravel to be distributed evenly
on operating berm.

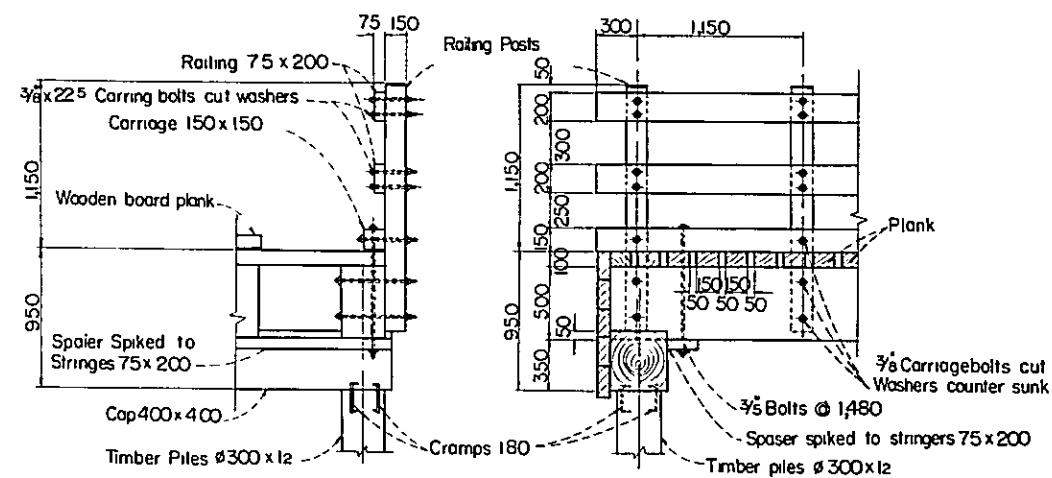
STATION	GRADE	HEIGHT ELEV.	CUTTING DEPTH	PROF. ELEV.	GRADING ELEV.	ACCOM. DIST.	DIST. STATION
NO 0	3.82 %	0.00	0.00	26.30	26.29	0.00	0.00
+20.00	Level	0.870	0.00	27.07	26.20	20.00	20.00
+40.00		0.820	0.00	27.07	26.25	40.00	40.00
+60.00		0.510	0.00	27.07	26.56	60.00	60.00
+80.00		0.330	0.00	27.07	26.54	80.00	80.00
+100.00		0.560	0.00	27.07	26.51	100.00	100.00
+120.00		0.490	0.00	27.07	26.58	120.00	120.00
+140.00		0.300	0.00	27.07	26.77	140.00	140.00
+160.00		0.250	0.00	27.07	26.82	160.00	160.00
+180.00		0.190	0.00	27.07	26.88	180.00	180.00
+200.00		0.660	0.00	27.07	26.41	200.00	200.00
+220.00		0.810	0.00	27.07	26.26	220.00	220.00
+240.00		0.980	0.00	27.07	26.09	240.00	240.00
+260.00		1.000	0.00	27.07	26.06	260.00	260.00
+280.00		0.820	0.00	27.07	26.25	280.00	280.00
+300.00		0.730	0.00	27.07	26.34	300.00	300.00
+320.00		0.420	0.00	27.07	26.65	320.00	320.00
+340.00		0.440	0.00	27.07	26.63	340.00	340.00
+360.00		0.450	0.00	27.07	26.62	360.00	360.00
+380.00		0.700	0.00	27.07	26.37	380.00	380.00
+400.00		0.730	0.00	27.07	26.34	400.00	400.00
+420.00		0.800	0.00	27.07	26.27	420.00	420.00
+440.00		0.790	0.00	27.07	26.28	440.00	440.00
+460.00		0.870	0.00	27.07	26.20	460.00	460.00
+480.00		0.750	0.00	27.07	26.32	480.00	480.00
+500.00		0.490	0.00	27.07	26.58	500.00	500.00
+520.00		0.490	0.00	27.07	26.58	520.00	520.00
+540.00		0.520	0.00	27.07	26.55	540.00	540.00
+560.00		0.470	0.00	27.07	26.60	560.00	560.00
+580.00		0.360	0.00	27.07	26.71	580.00	580.00
+600.00		0.400	0.00	27.07	26.67	600.00	600.00
+620.00		0.610	0.00	27.07	26.46	620.00	620.00
+640.00		0.770	0.00	27.07	26.30	640.00	640.00
+660.00		0.790	0.00	27.07	26.28	660.00	660.00
+680.00		0.750	0.00	27.07	26.32	680.00	680.00
+700.00		0.670	0.00	27.07	26.40	700.00	700.00
+720.00		0.640	0.00	27.07	26.43	720.00	720.00
+740.00		0.630	0.00	27.07	26.44	740.00	740.00
+760.00		0.610	0.00	27.07	26.46	760.00	760.00
+780.00		0.470	0.00	27.07	26.60	780.00	780.00
+800.00		0.640	0.00	27.07	26.43	800.00	800.00
+820.00		0.350	0.00	27.07	26.72	820.00	820.00
+840.00		0.210	0.00	27.07	26.86	840.00	840.00
+860.00		0.340	0.00	27.07	26.73	860.00	860.00
+880.00		0.690	0.00	27.07	26.38	880.00	880.00
+900.00		0.930	0.00	27.07	26.14	900.00	900.00
+920.00		0.870	0.00	27.07	26.20	920.00	920.00
+940.00		0.800	0.00	27.07	26.27	940.00	940.00
+960.00		0.940	0.00	27.07	26.13	960.00	960.00
+980.00		0.870	0.00	27.07	26.20	980.00	980.00
+1000.00		0.820	0.00	27.07	26.25	1000.00	1000.00
+1020.00		0.820	0.00	27.07	26.25	1020.00	1020.00
+1040.00		0.820	0.00	27.07	26.25	1040.00	1040.00
+1060.00		0.820	0.00	27.07	26.25	1060.00	1060.00
+1080.00		0.820	0.00	27.07	26.25	1080.00	1080.00
+1100.00		0.820	0.00	27.07	26.25	1100.00	1100.00
+1120.00		0.820	0.00	27.07	26.25	1120.00	1120.00
+1140.00		0.820	0.00	27.07	26.25	1140.00	1140.00
+1160.00		0.820	0.00	27.07	26.25	1160.00	1160.00
+1180.00		0.820	0.00	27.07	26.25	1180.00	1180.00
+1200.00		0.820	0.00	27.07	26.25	1200.00	1200.00
+1220.00		0.820	0.00	27.07	26.25	1220.00	1220.00
+1240.00		0.820	0.00	27.07	26.25	1240.00	1240.00
+1260.00		0.820	0.00	27.07	26.25	1260.00	1260.00
+1280.00		0.820	0.00	27.07	26.25	1280.00	1280.00
+1300.00		0.820	0.00	27.07	26.25	1300.00	1300.00
+1320.00		0.820	0.00	27.07	26.25	1320.00	1320.00
+1340.00		0.820	0.00	27.07	26.25	1340.00	1340.00
+1360.00		0.820	0.00	27.07	26.25	1360.00	1360.00
+1380.00		0.820	0.00	27.07	26.25	1380.00	1380.00
+1400.00		0.820	0.00	27.07	26.25	1400.00	1400.00
+1420.00		0.820	0.00	27.07	26.25	1420.00	1420.00
+1440.00		0.820	0.00	27.07	26.25	1440.00	1440.00

Horizontal scale 0 50 100
SCALE OF METERS
Vertical scale 0 1 2
SCALE OF METERS

THE PHILIPPINES
RICE AND CORN PRODUCTION COORDINATING COUNCIL
REGIONAL RICE PRODUCTION CENTER
SANMIGUEL — ALANGALANG
**ACCESS ROAD III
PROFILE**
OVERSEAS TECHNICAL COOPERATION AGENCY
GOVERNMENT OF JAPAN
SCALE AS SHOWN DATE
SHEET NO OF DRAWING NO A-43

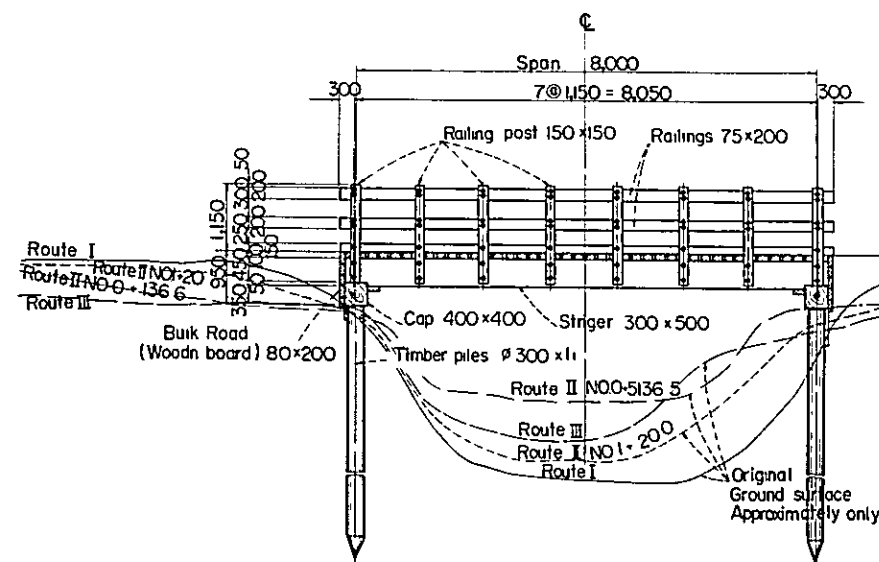


PLAN

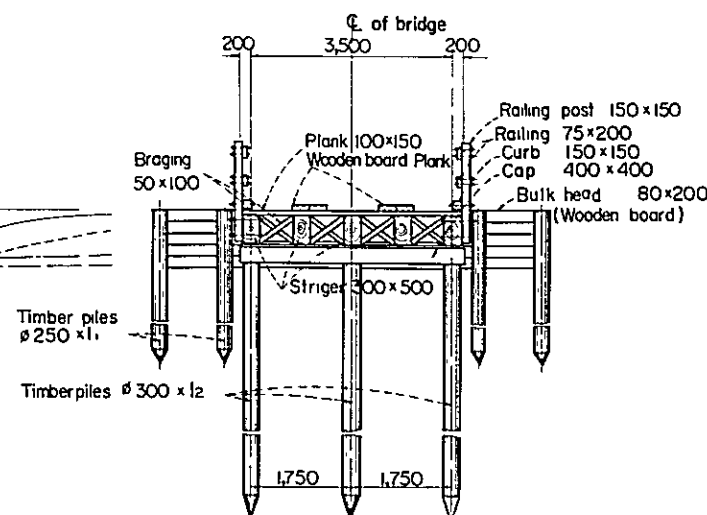


RAILING-BULKHEAD-PILE ABUTMENT

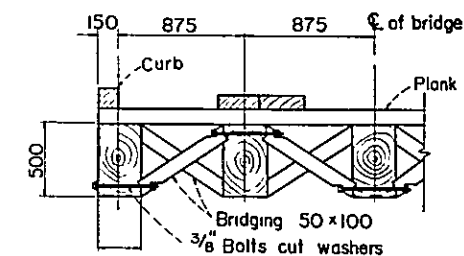
0 1000
SCALE OF MILLIMETERS



PROFILE



SECTION-A



DETAIL OF BRIDGING

0 1000
SCALE OF MILLIMETERS

NOTES

- All dimensions are given in millimeters
- Non-corrosive studs and nuts on flap valves
- Malleable iron washers to be used unless otherwise shown
- All lumber to be treated
- Unit stress of timber and lumber
- Bending 90kg/cm²
- Compression (columns)..... 70kg/cm²
- Bearing 20kg/cm²
- Horizontal shear 8kg/cm²

LIST OF BRIDGE

ROUTE	STATION	EL. A	l1	l2	L	REMARKS
I	NO 0+350 0	35.00	3.00	5.00	1.50	
II	NO 0+136 5	30.00	"	"	"	
II	NO 1+20 0	30.00	"	"	"	
III	NO 1+26 0	27.07	"	"	"	

0 1000 5000
SCALE OF MILLIMETERS

THE PHILIPPINES			
RICE AND CORN PRODUCTION COORDINATING COUNCIL			
REGIONAL RICE PRODUCTION CENTER			
SANMIGUEL - ALANGALANG			
FARM BRIDGES			
PLAN, PROFILE AND DETAILS			
OVERSEAS TECHNICAL COOPERATION AGENCY			
GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO	OF	DRAWING NO	A-44

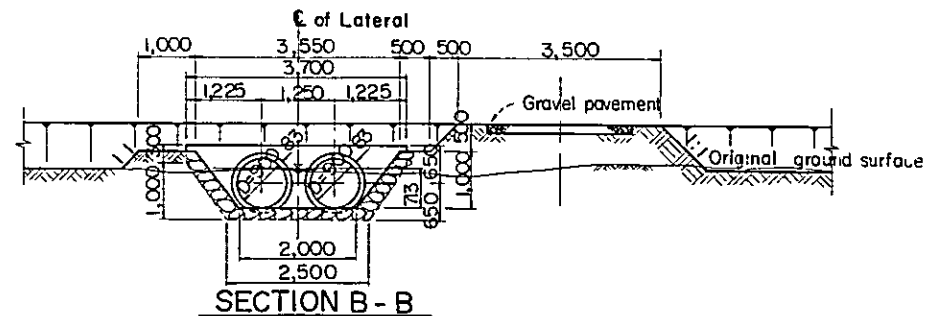
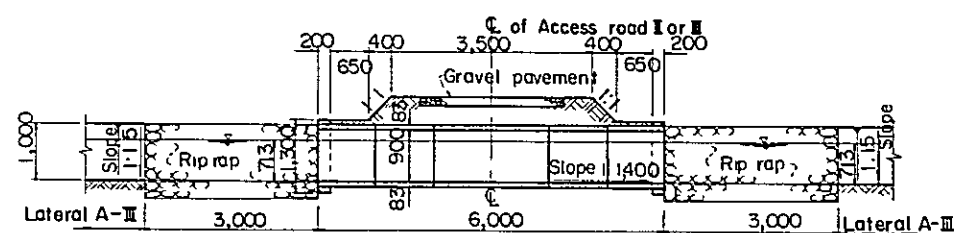
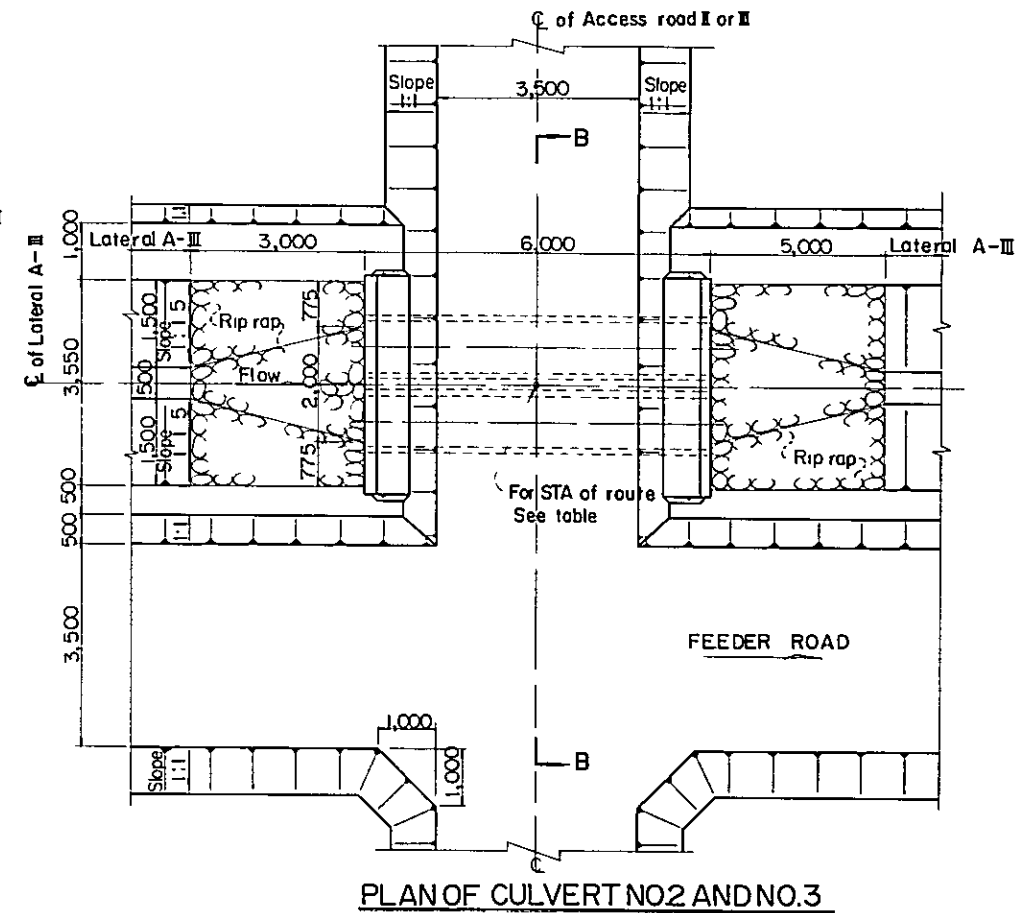
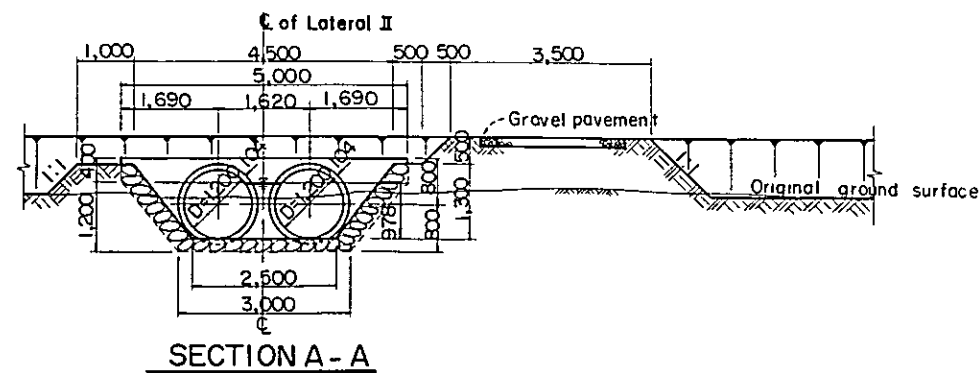
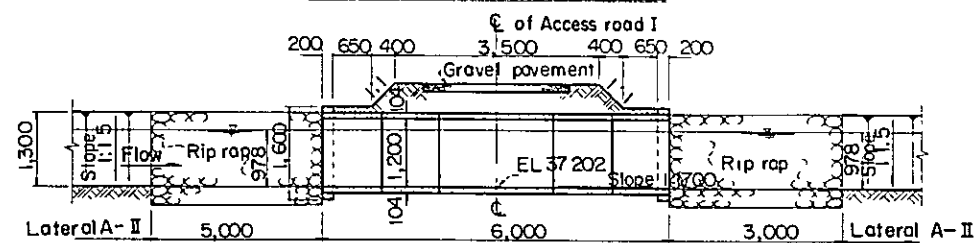
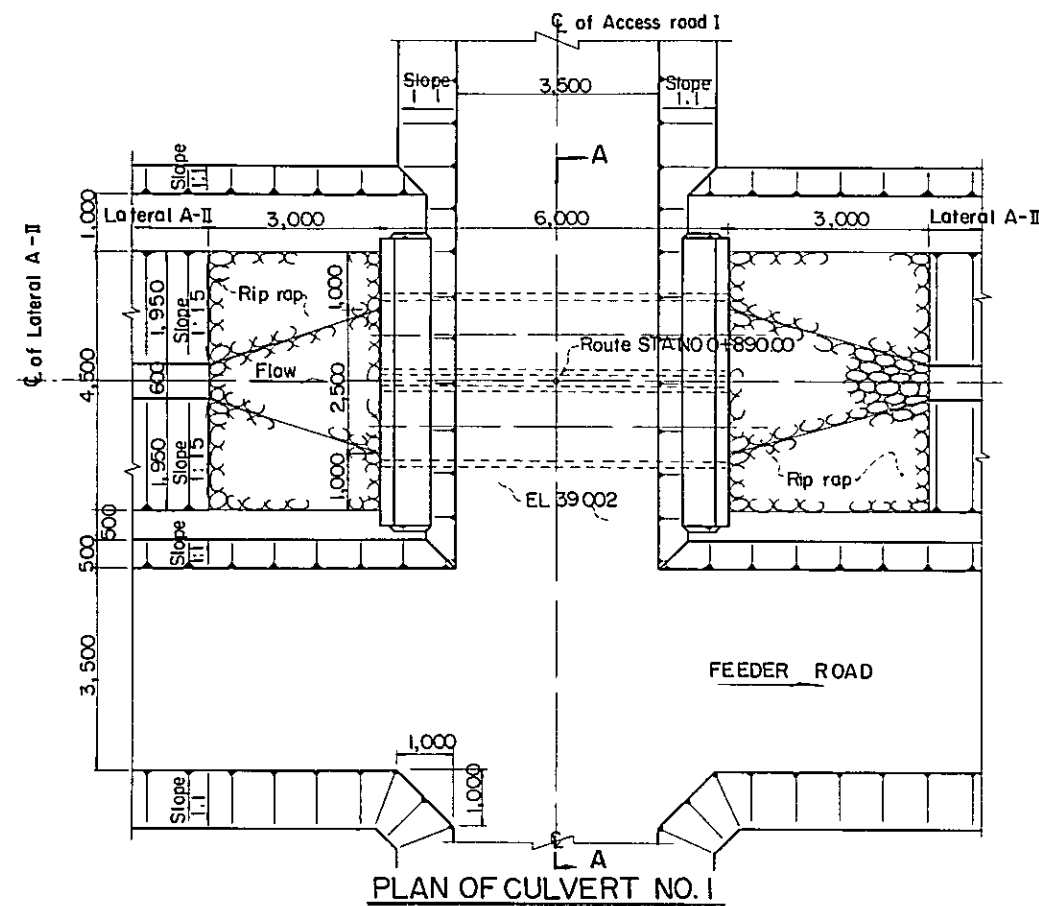


TABLE OF STA. AND EL.

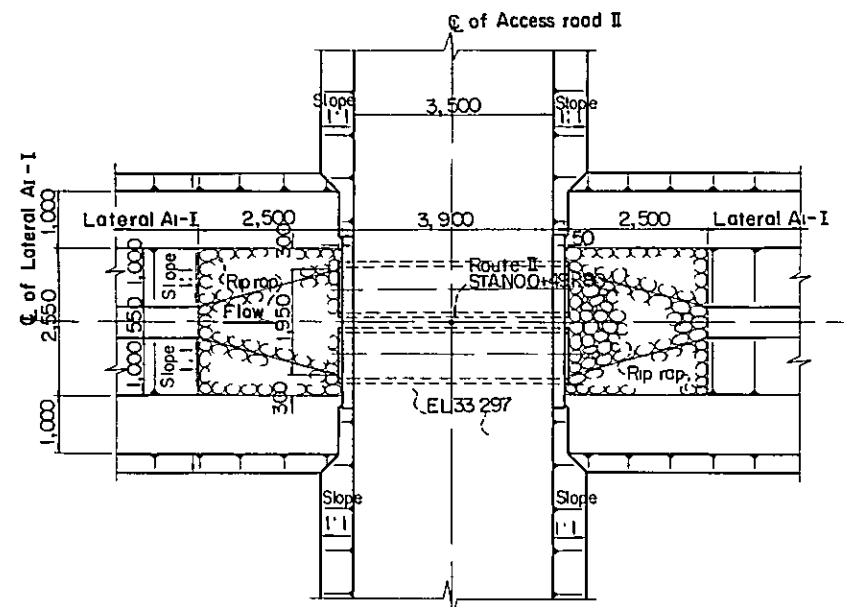
Route	STA.	ROAD SURFACE	PIPE BOTTOM	REMARKS
I - NO. 1	+ 843 00	32 506	31 006	
II - NO. 1	+ 295 00	29 270	27 770	

0 1,000 3,000 5,000
SCALE OF MILLIMETERS

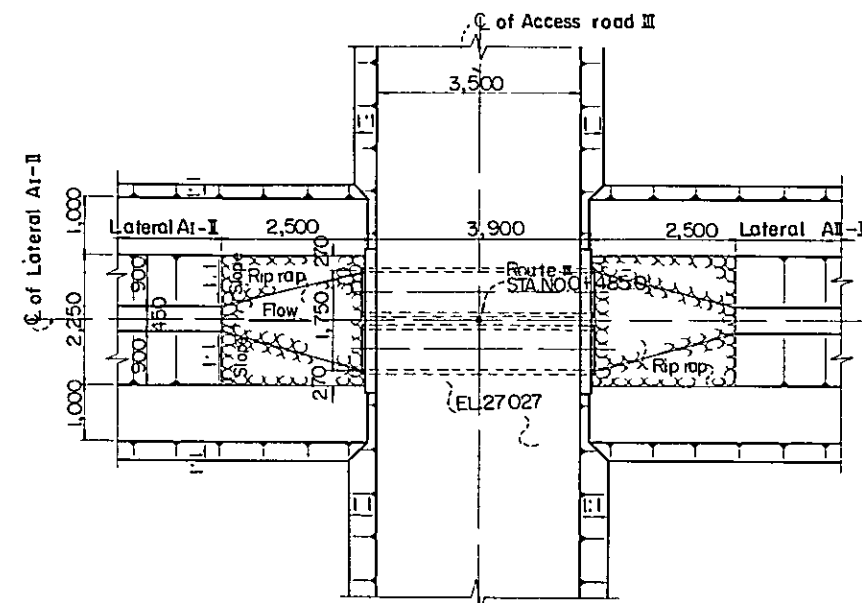
NOTES

- All dimensions are given in millimeters.
- All stations and elevations are given in meters.
- Concrete design, except precast, based on a compressive strength of 80 kg/cm².
- Chamfer all exposed corners 20 mm, unless otherwise shown.
- For strength and aggregate size of concrete, see specifications.
- Class "C" concrete to be placed at all portion unless otherwise shown.

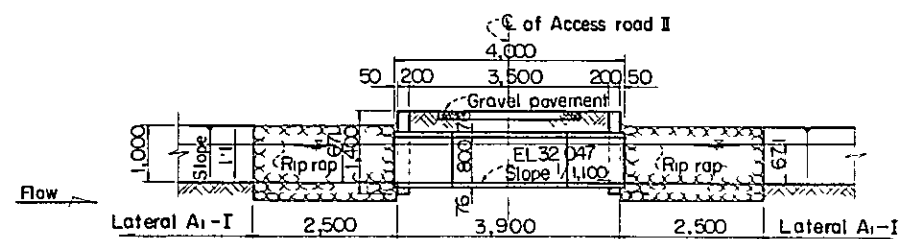
THE PHILIPPINES RICE AND CORN PRODUCTION COORDINATING COUNCIL			
REGIONAL RICE PRODUCTION CENTER SAN MIGUEL - ALANGALANG			
CULVERT NO. 1, NO. 2 AND NO. 3 PLAN, AND PROFILE			
OVERSEAS TECHNICAL COOPERATION AGENCY GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO.	OF	DRAWING NO.	A - 45



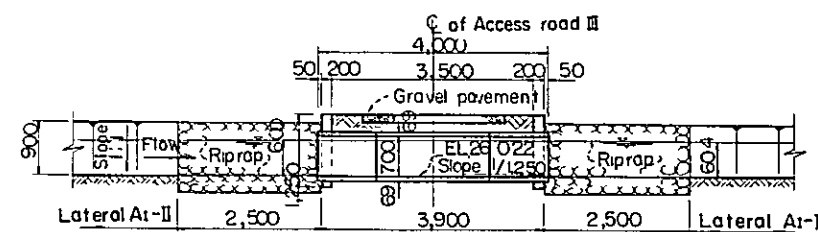
PLAN OF CULVERT NO. 4



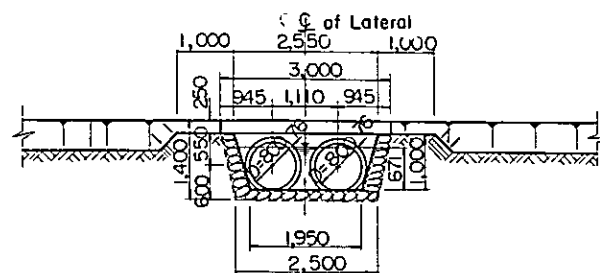
PLAN OF CULVERT NO. 5



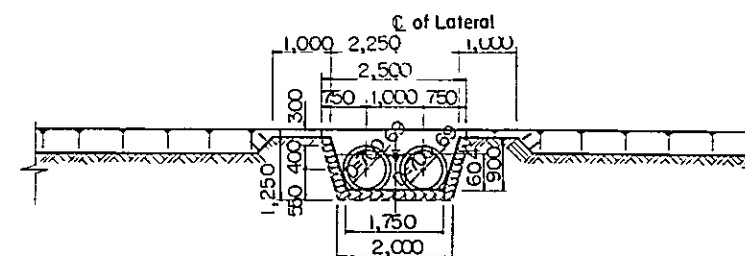
PROFILE



PROFILE



SECTION A-A



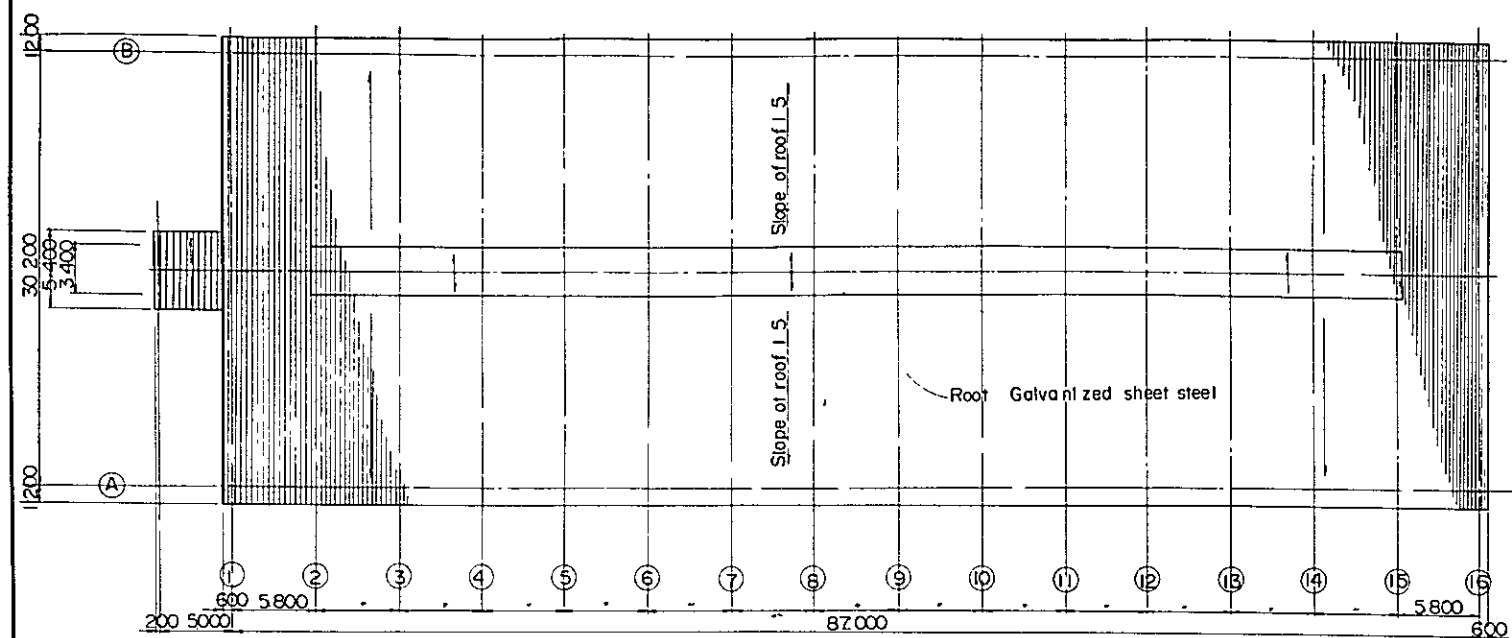
SECTION B-B

NOTES

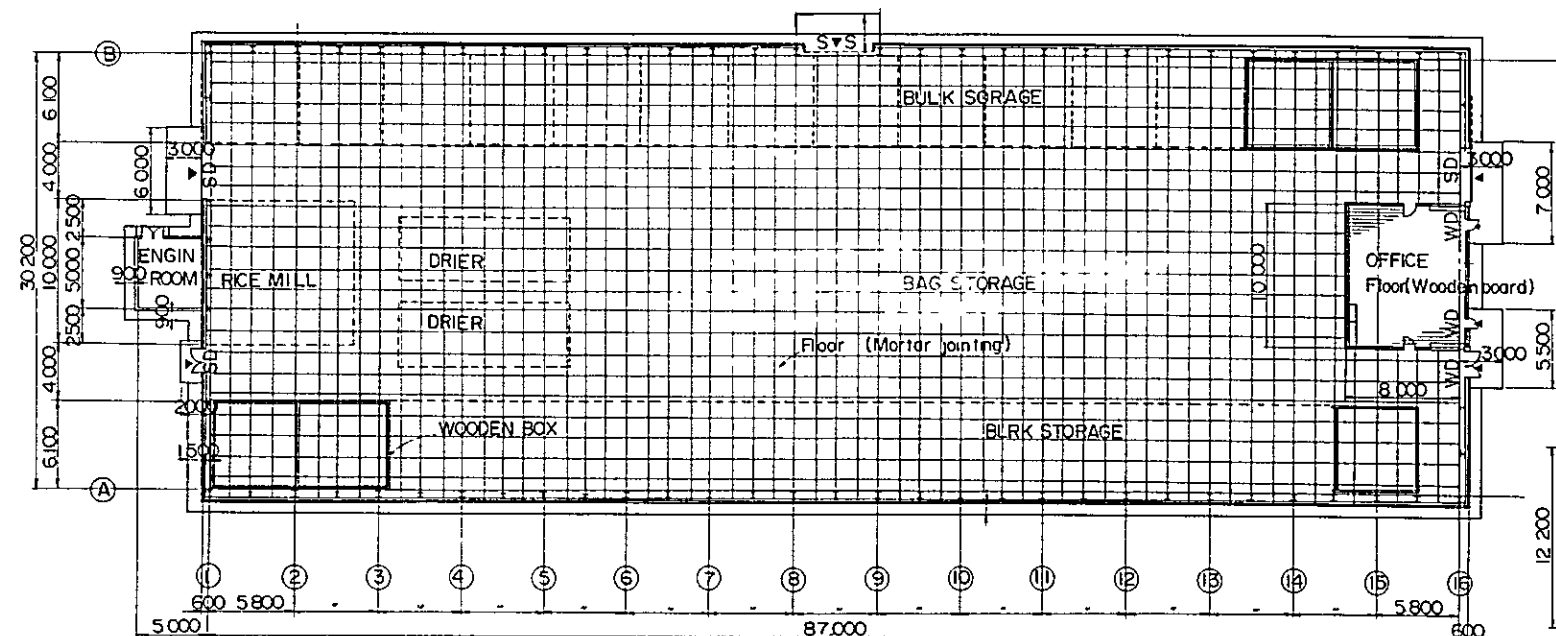
- All dimensions are given in millimeters.
- All stations and elevations are given in meters.
- Chamfer all exposed corners 20 mm, unless otherwise shown.
- For strength and aggregate size of concrete, see specifications.
- Pit-run gravel to be distributed evenly on operating berm.
- Class "C" concrete to be placed at all portion unless otherwise shown.

0 1,000 3,000 5,000
SCALE OF MILLIMETERS

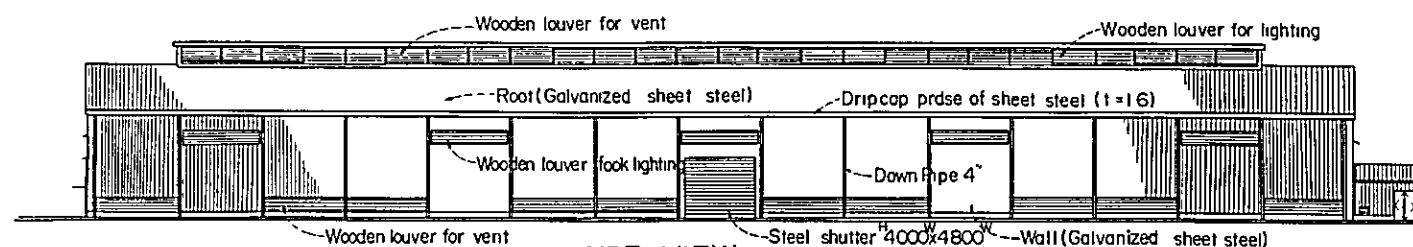
THE PHILIPPINES			
RICE AND CORN PRODUCTION COORDINATING COUNCIL			
REGIONAL RICE PRODUCTION CENTER			
SANMIGUEL - ALANGALANG			
CULVERT NO. 4 AND NO. 5			
PLAN AND PROFILE			
OVERSEAS TECHNICAL COOPERATION AGENCY			
GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO.	OF	DRAWING NO.	A-46



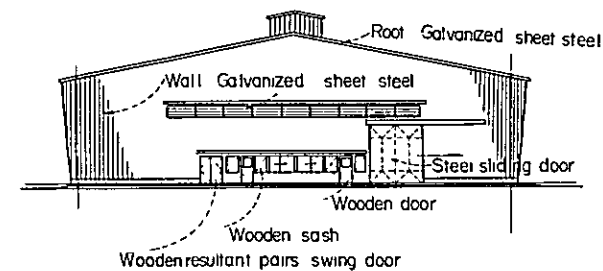
ROOF PLAN



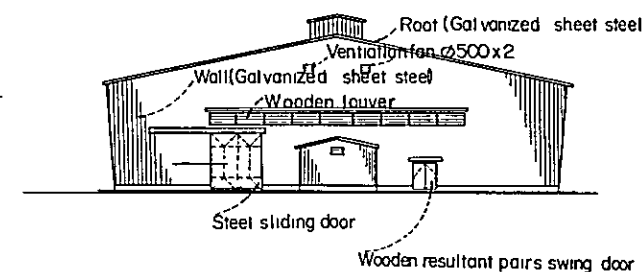
1. FLOOR PLAN



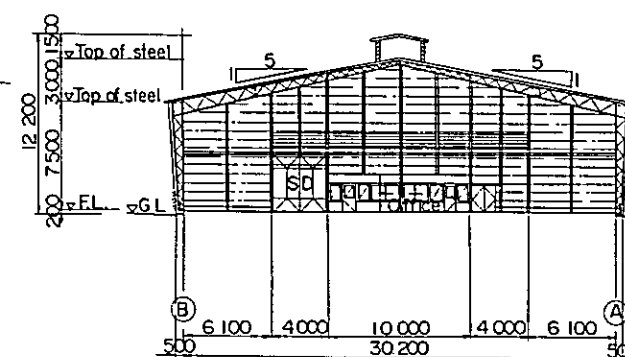
SIDE VIEW



FRONT VIEW



LOOKING FROM BACK VIEW



SECTION

NOTES

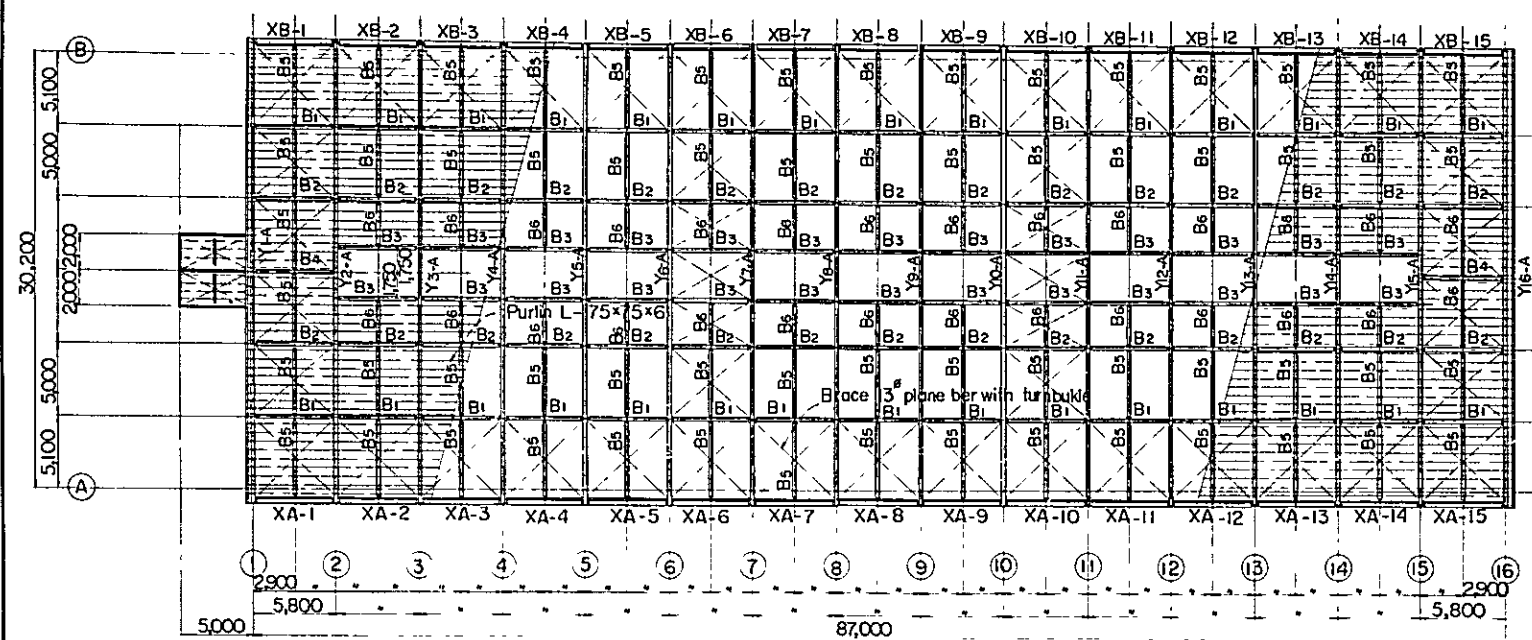
All dimensions are given in millimeters
Base of concrete structure to be placed on
undisturbed natural foundation or
thoroughly compacted fill

EXPLANATIONS

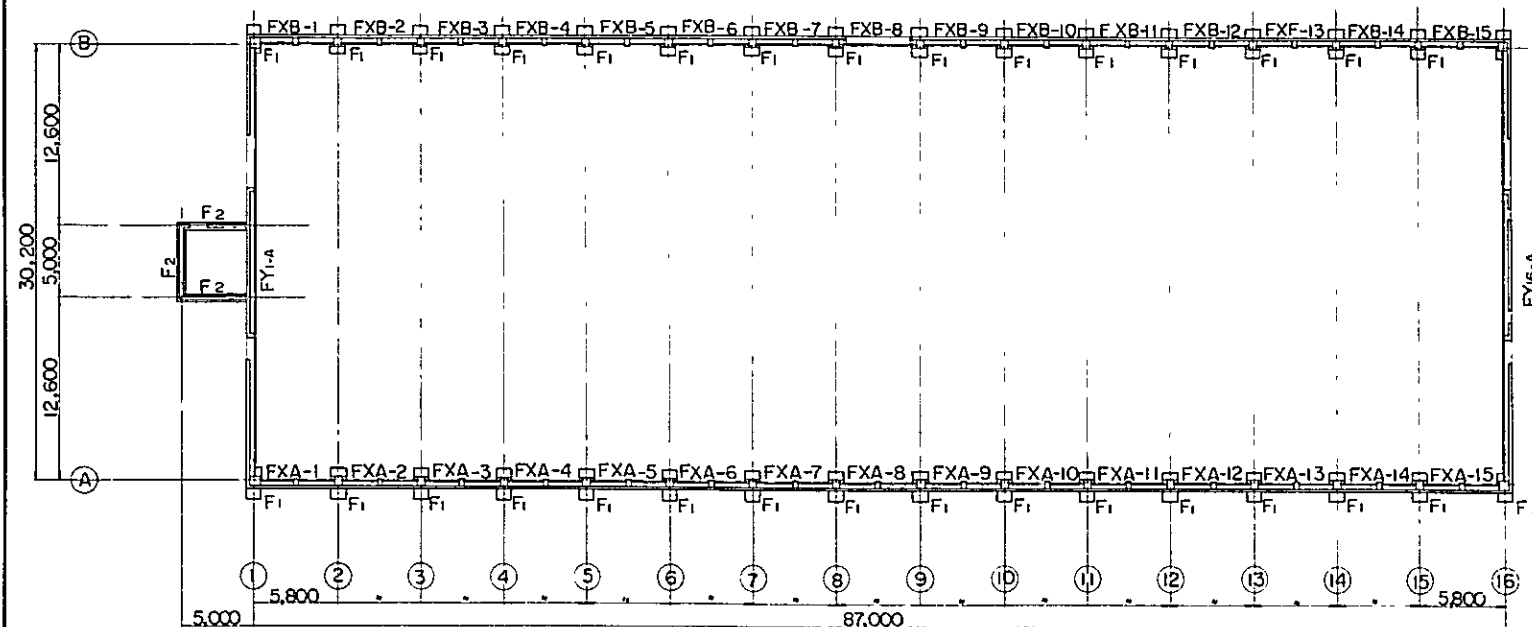
F.L ; Floor line
G.L ; Ground line
S.D ; Steel door
S.S ; Steel shutter
W.D ; Wooden door

0 10,000 20,000
SCALE OF MILLIMETERS

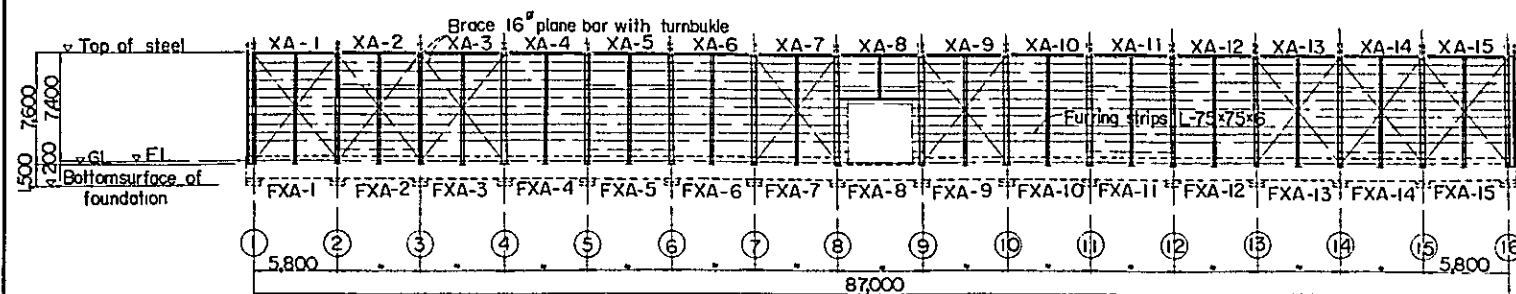
THE PHILIPPINES RICE AND CORN PRODUCTION COORDINATING COUNCIL			
REGIONAL RICE PRODUCTION CENTER SANMIGUEL - ALANGALANG			
HOUSING OF RICE PROCESSING CENTER PLAN AND VIEWS			
OVERSEAS TECHNICAL COOPERATION AGENCY GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO	OF	DRAWING NO	A - 47



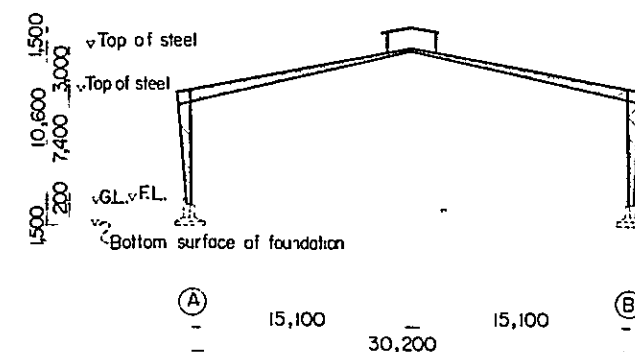
PLAN OF STEEL ROOF



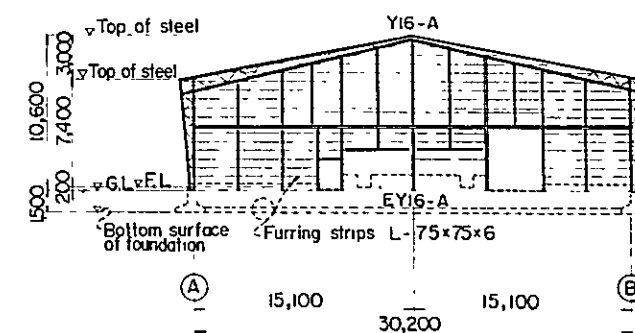
PLAN OF FOUNDATION



FRAMING ELEVATION OF BLINE



FRAMING ELEVATION FLOW 2 LINE TO 15 LINE



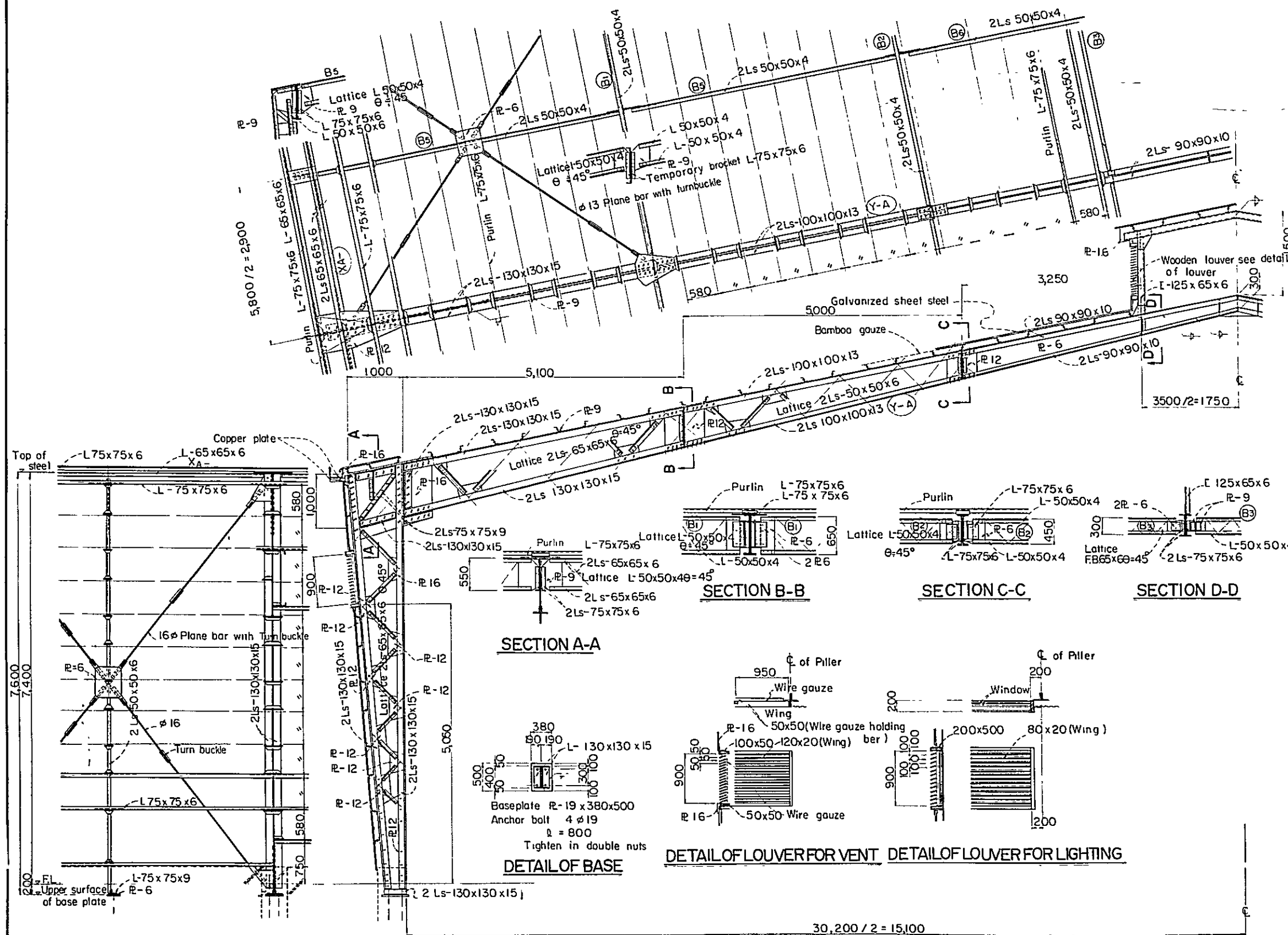
FRAMING ELEVATION OF 16 LINE

NOTES

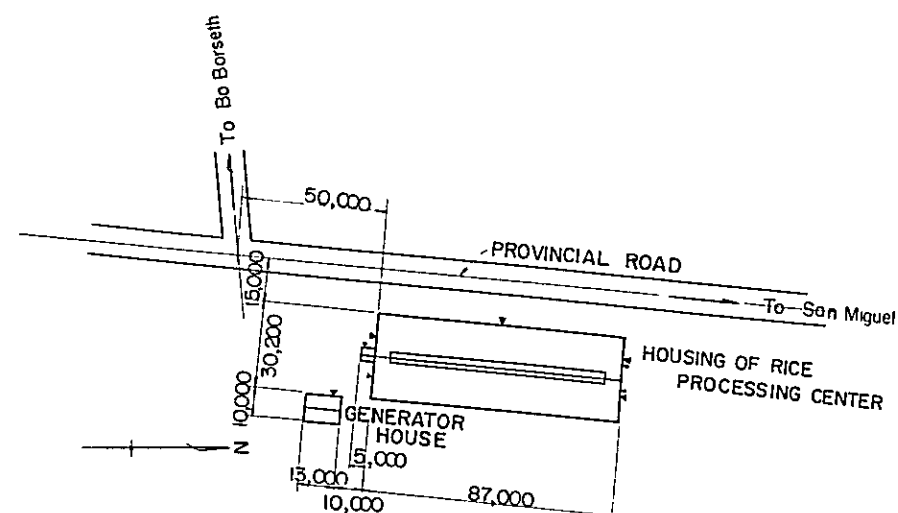
All dimensions are given in millimeters
See Drawing A-50 for the general location of plan.
See Drawing A-49 for detail.
See Drawing A-47 for plan and views.

0 10,000 20,000
SCALE OF MILLIMETERS

THE PHILIPPINES
RICE AND CORN PRODUCTION COORDINATING COUNCIL
REGIONAL RICE PRODUCTION CENTER
SAN MIGUEL - ALANGALANG
HOUSING OF RICE
PROCESSING CENTER
FRAMING PLAN AND ELEVATION
OVERSEAS TECHNICAL COOPERATION AGENCY
GOVERNMENT OF JAPAN
SCALE AS SHOWN DATE
SHEET NO OF DRAWING NO: A-48

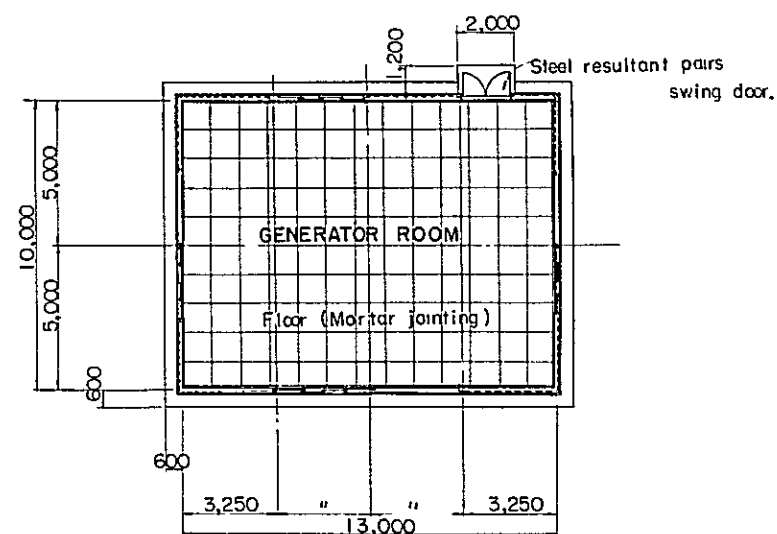


THE PHILIPPINES RICE AND CORN PRODUCTION COORDINATING COUNCIL REGIONAL RICE PRODUCTION CENTER SANMIGUEL - ALANGALANG			
HOUSING OF RICE PROCESSING CENTER DETAILS			
OVERSEAS TECHNICAL COOPERATION AGENCY GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO.	OF	DRAWING NO.	A-49

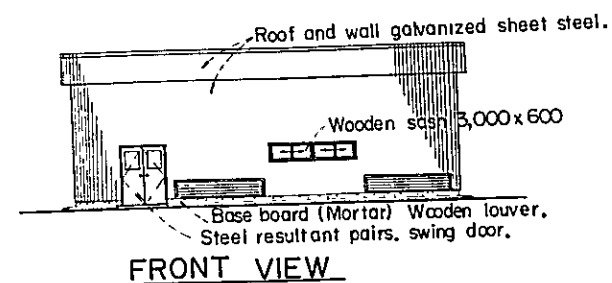


BLOCK PLAN OF RICE CENTER

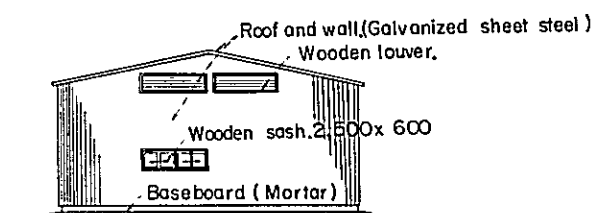
0 50
SCALE OF METERS



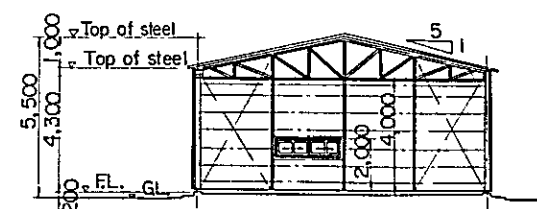
PLAN



FRONT VIEW



SIDE VIEW



SECTION

NOTES

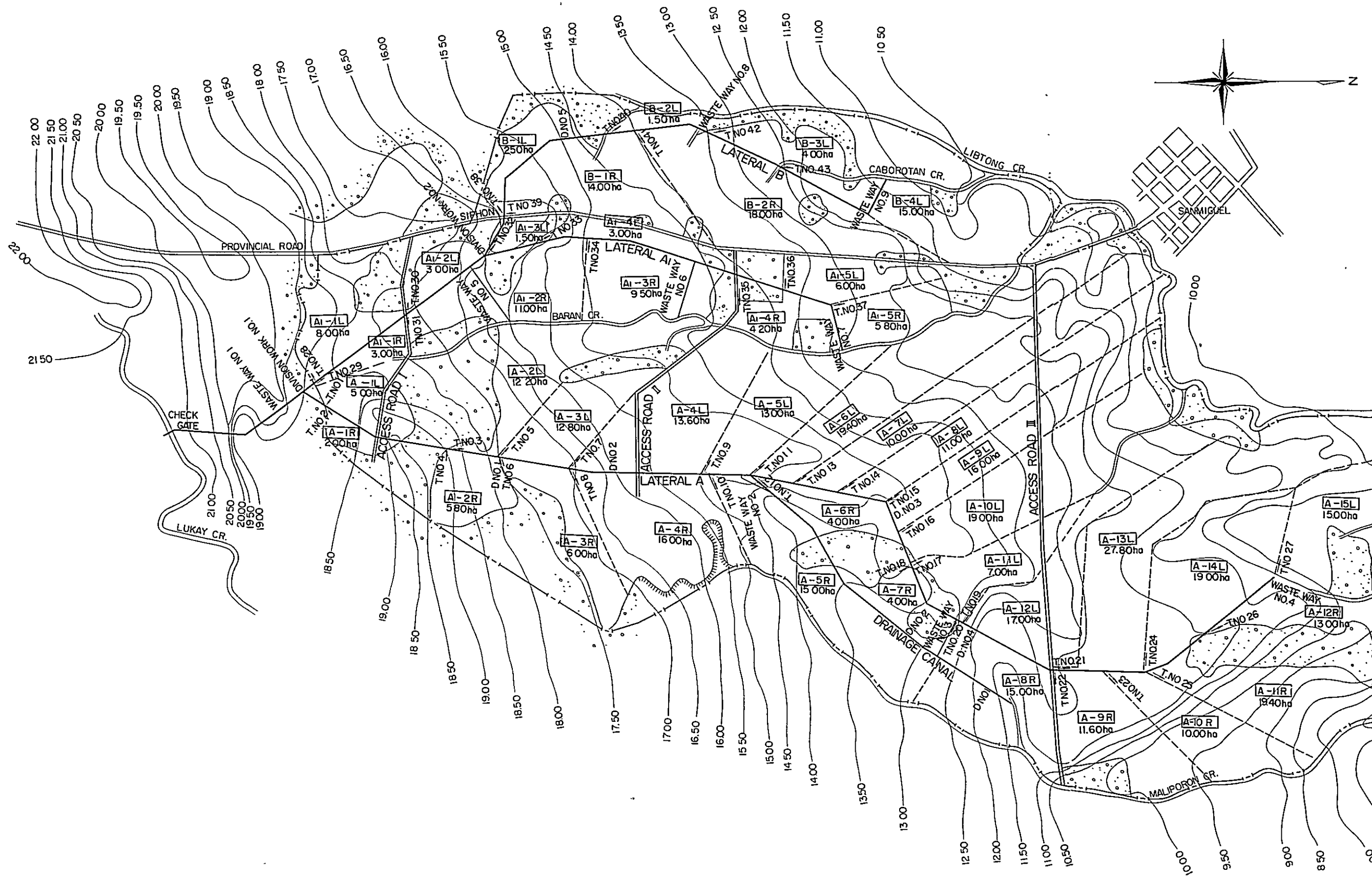
All dimensions are given in millimeters.
Base of concrete structure to be placed on undisturbed natural foundation or thoroughly compacted fill.
See Drawing A-47 for housing of rice processing center.

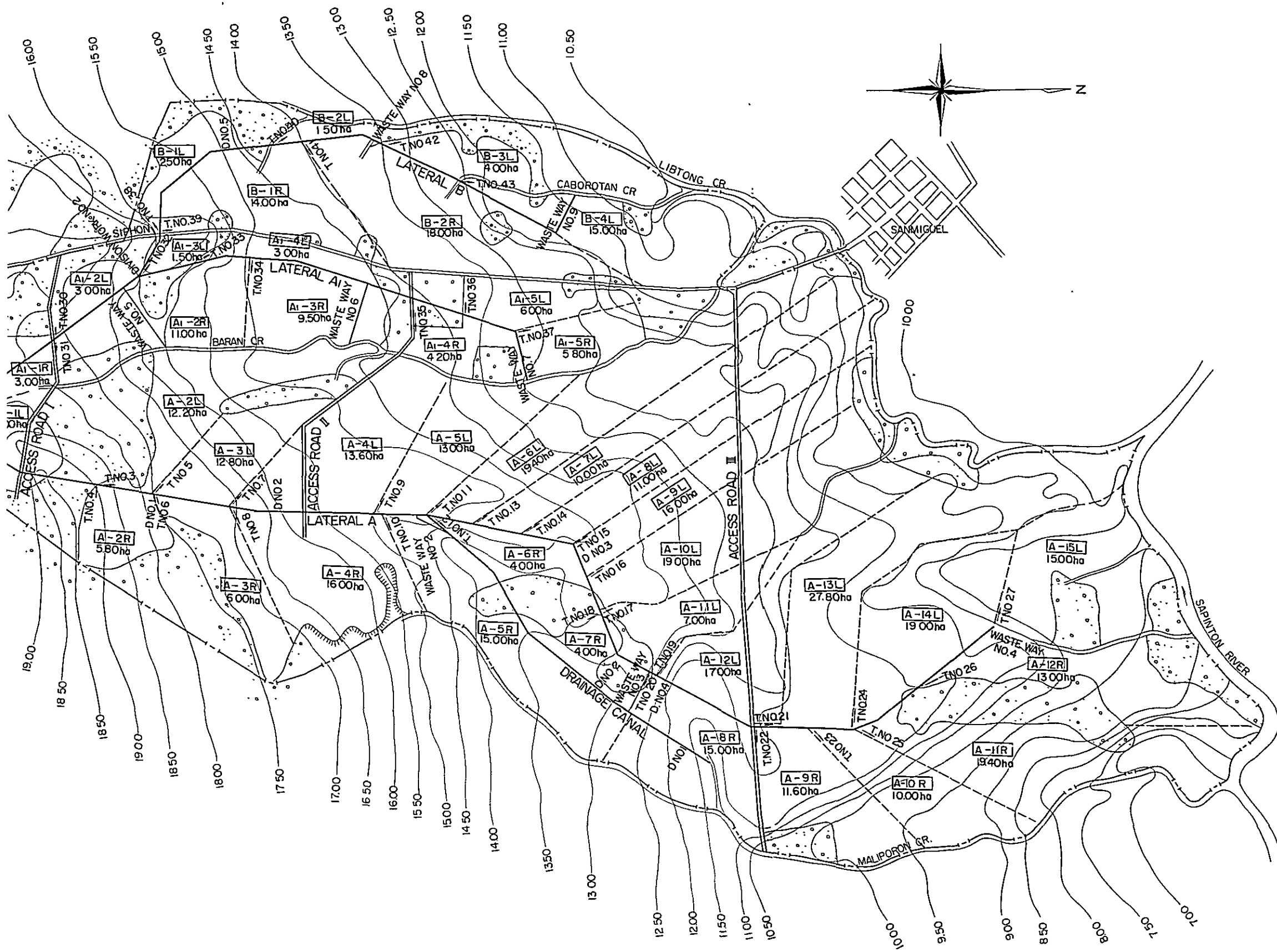
EXPLANATIONS

F.L. ; Floor line
G.L. ; Ground line

0 5000 10000
SCALE OF MILLIMETERS

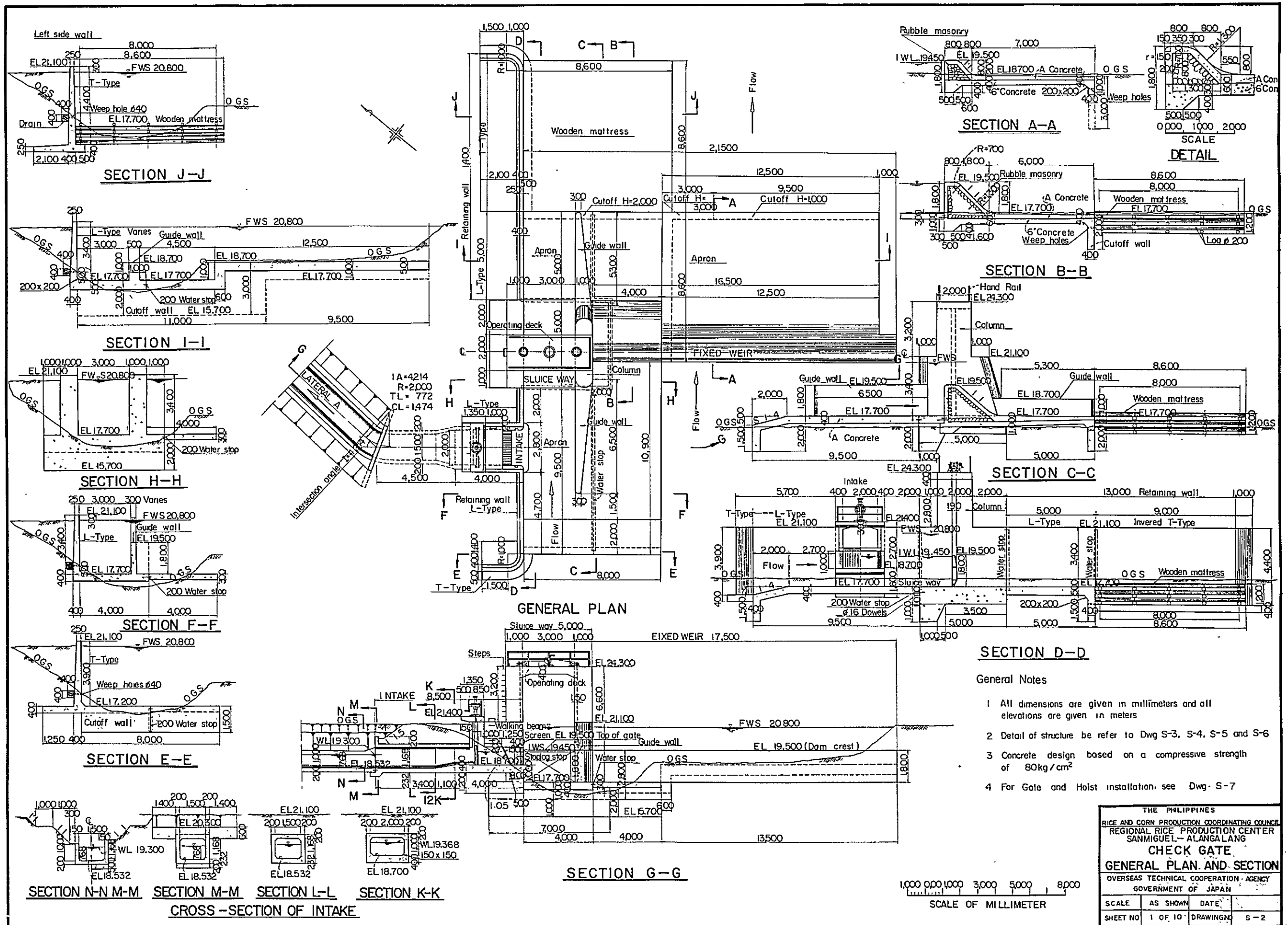
THE PHILIPPINES			
RICE AND CORN PRODUCTION COORDINATING COUNCIL			
REGIONAL RICE PRODUCTION CENTER			
SAN MIGUEL - ALANGALANG			
GENERATOR ROOM OF RICE			
PROCESSING CENTER			
PLAN AND VIEWS			
OVERSEAS TECHNICAL COOPERATION AGENCY			
GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO.	OF	DRAWING NO.	A-50

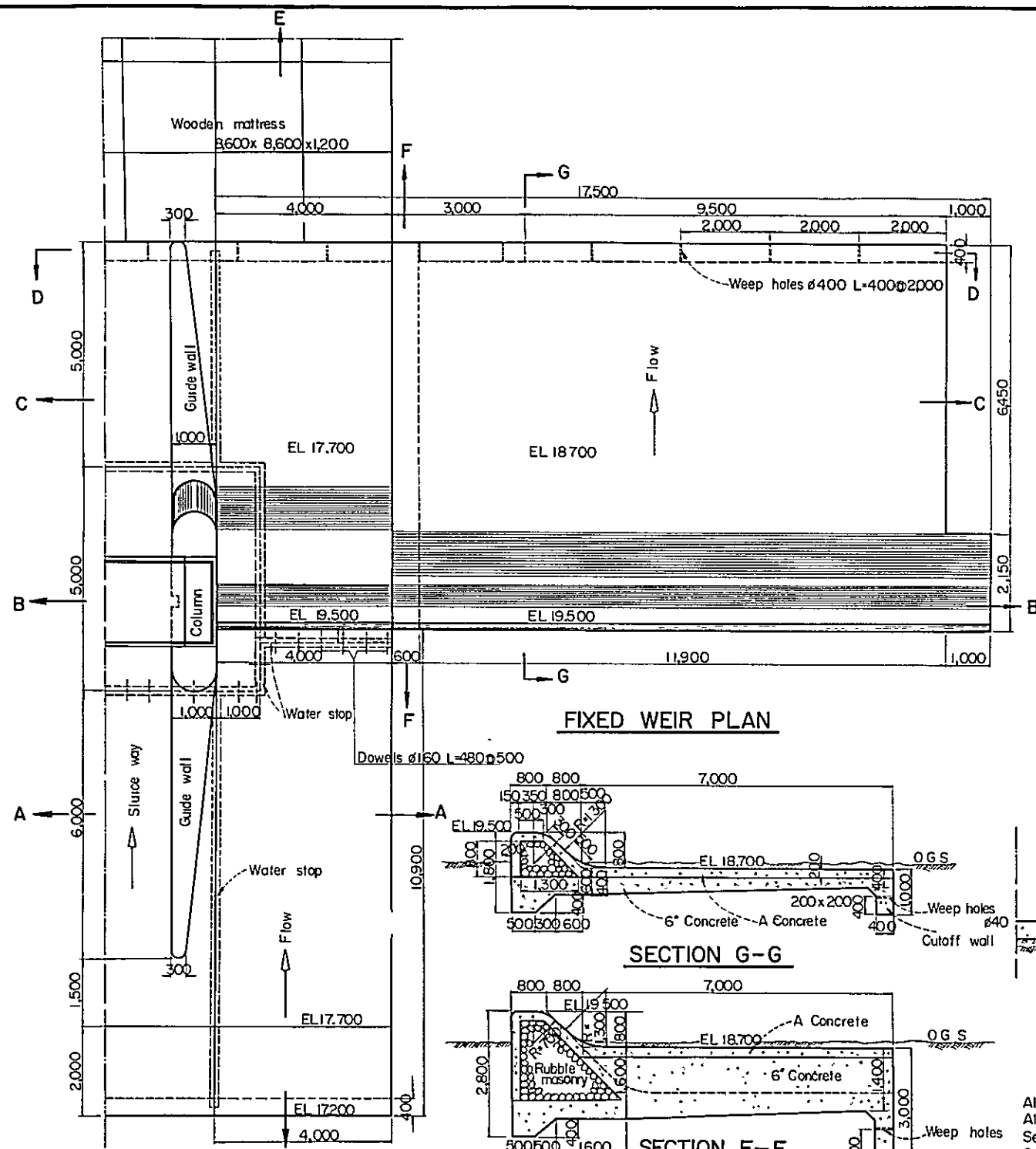




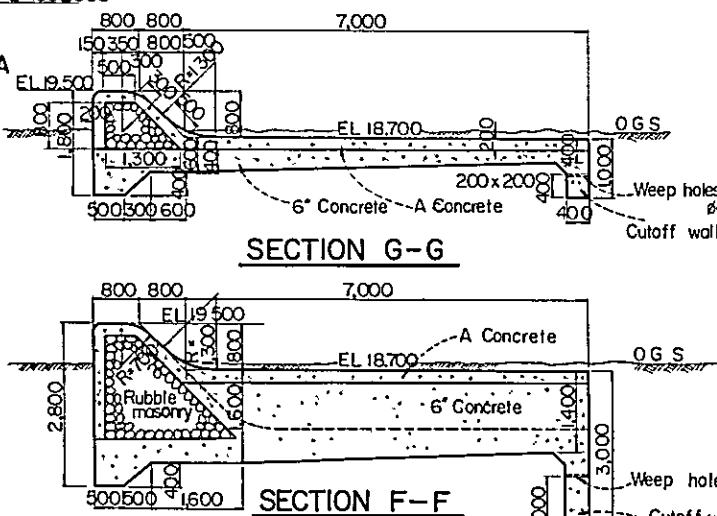
0 100 500
SCALE OF METER

THE PHILIPPINES			
RICE AND CORN PRODUCTION COORDINATING COUNCIL			
REGIONAL RICE PRODUCTION CENTER			
SAN MIGUEL - ALANGALANG			
LATERALS			
GENERAL LOCATION			
OVERSEAS TECHNICAL COOPERATION AGENCY			
GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO.	10F 1	DRAWING NO.	S-1



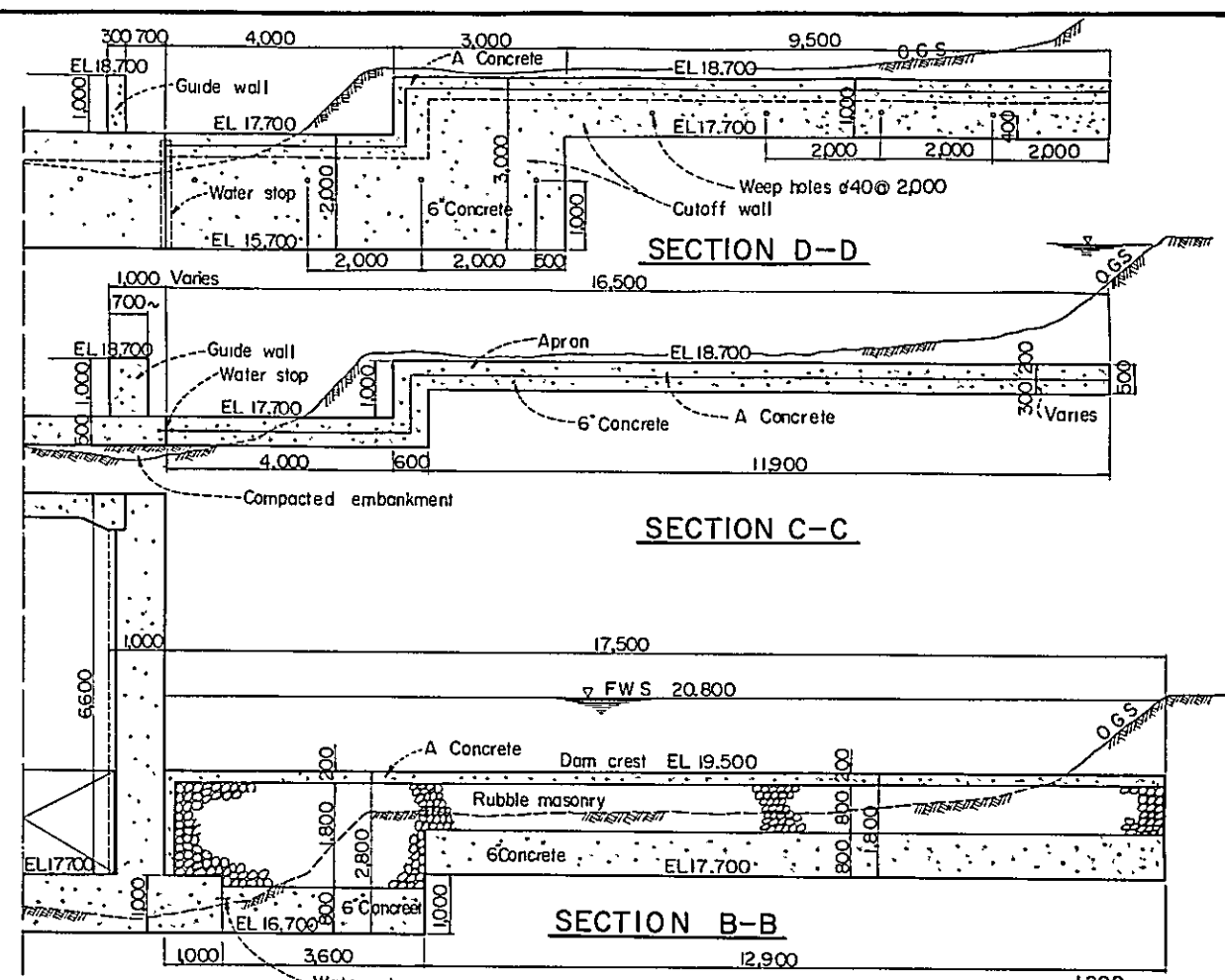


FIXED WEIR PLAN



SECTION G-G

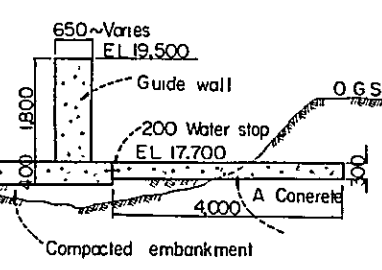
SECTION F-F



SECTION D-D

SECTION C-C

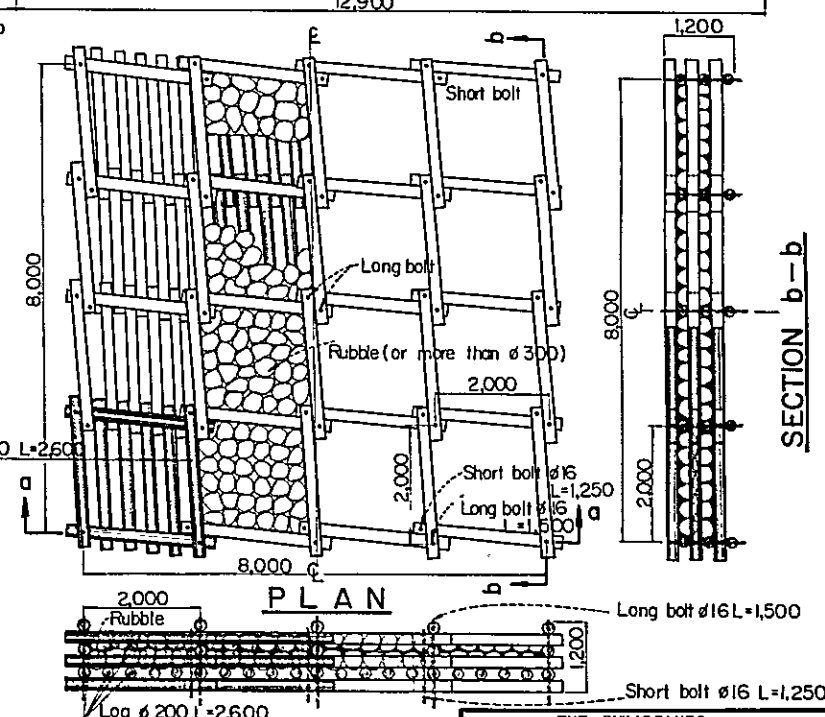
SECTION B-B



SECTION A-A

NOTES

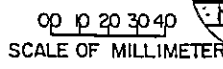
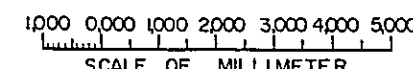
All dimensions are given in millimeters
All elevations are given in meters
See Drawing for reinforcement
Concrete design based on a compressive strength of 80 kg/cm²
Chamfer all exposed corners 20mm



PLAN

SECTION a-a

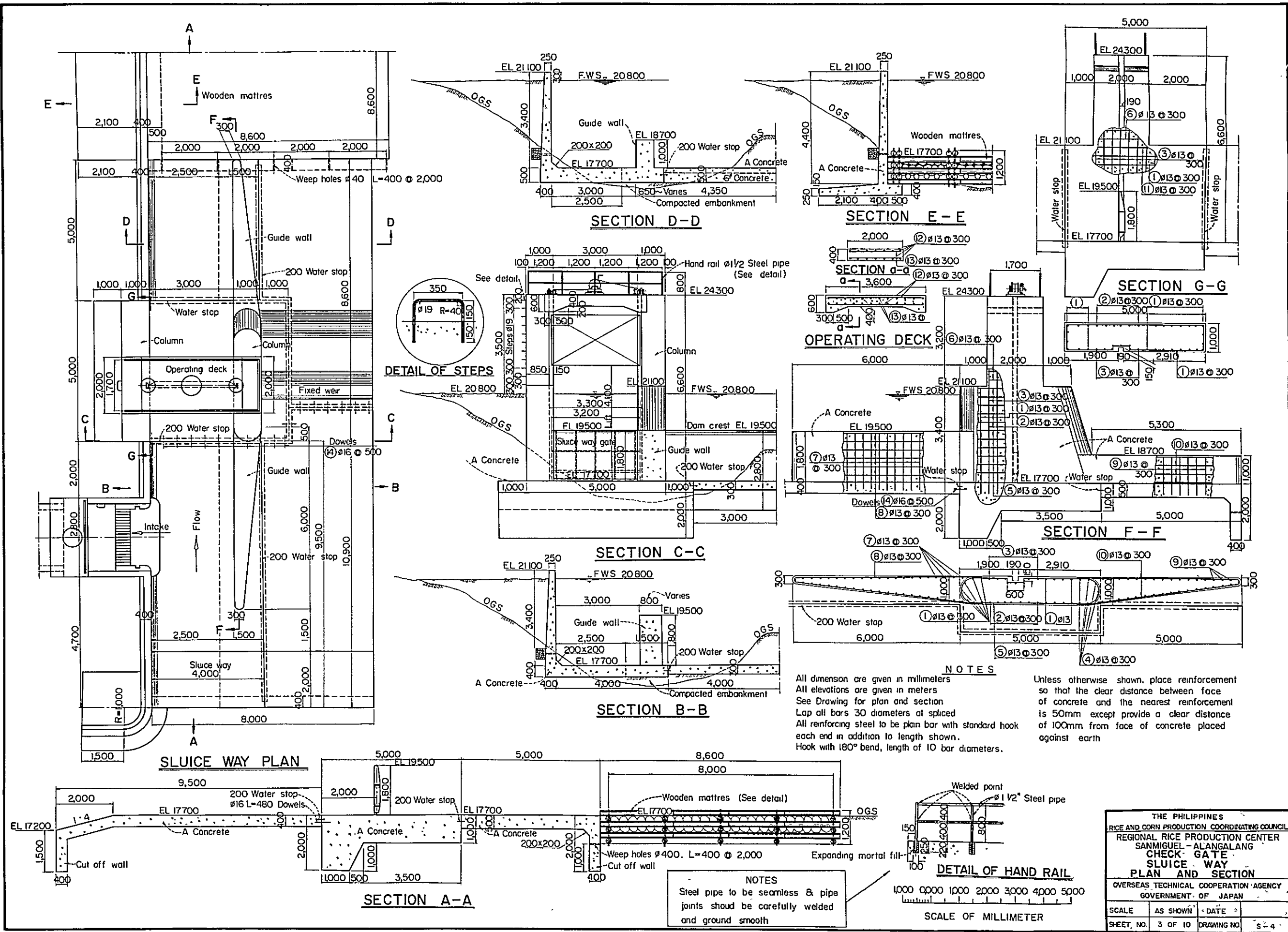
DETAIL OF WOODEN MATTRESS

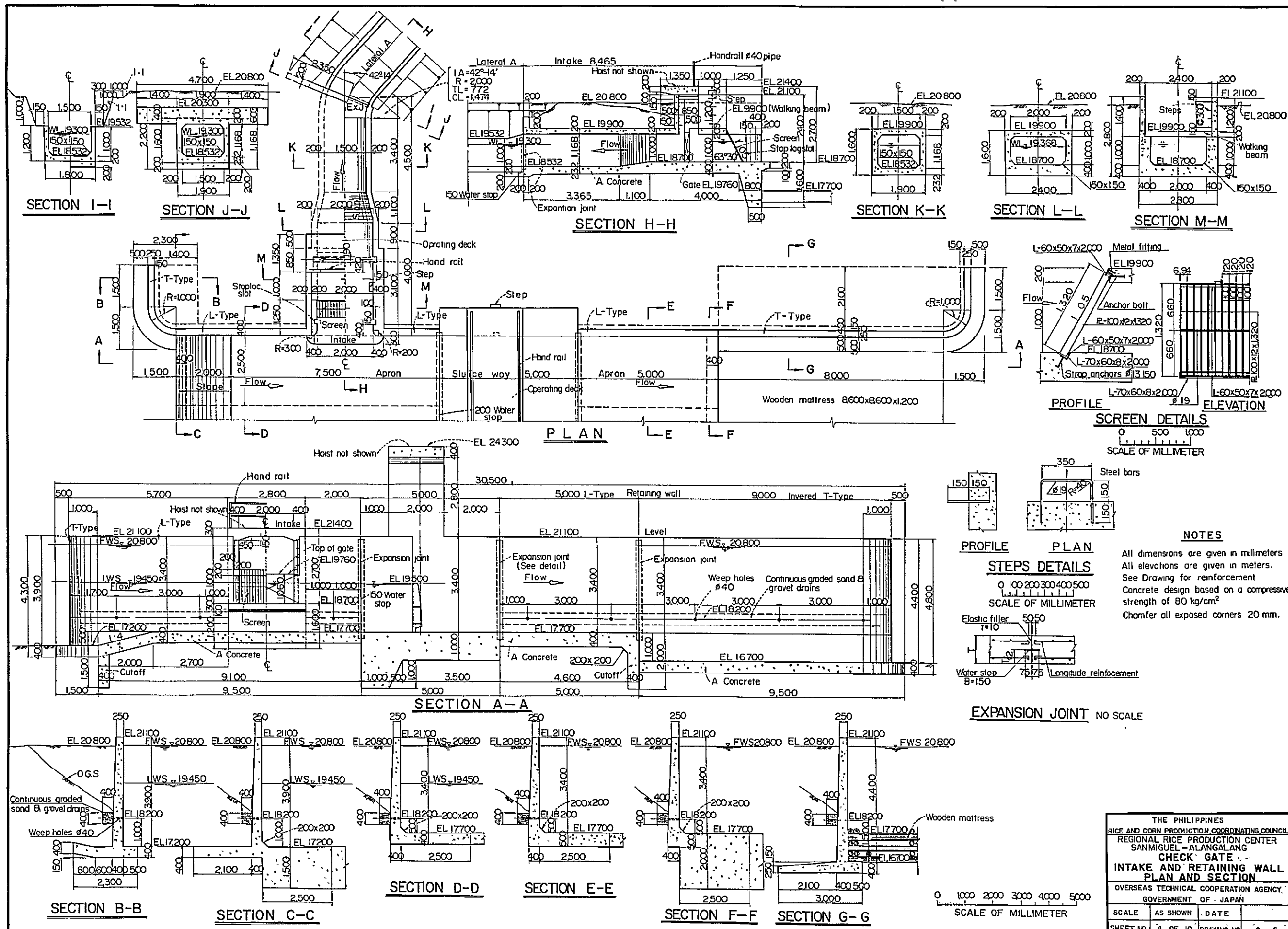


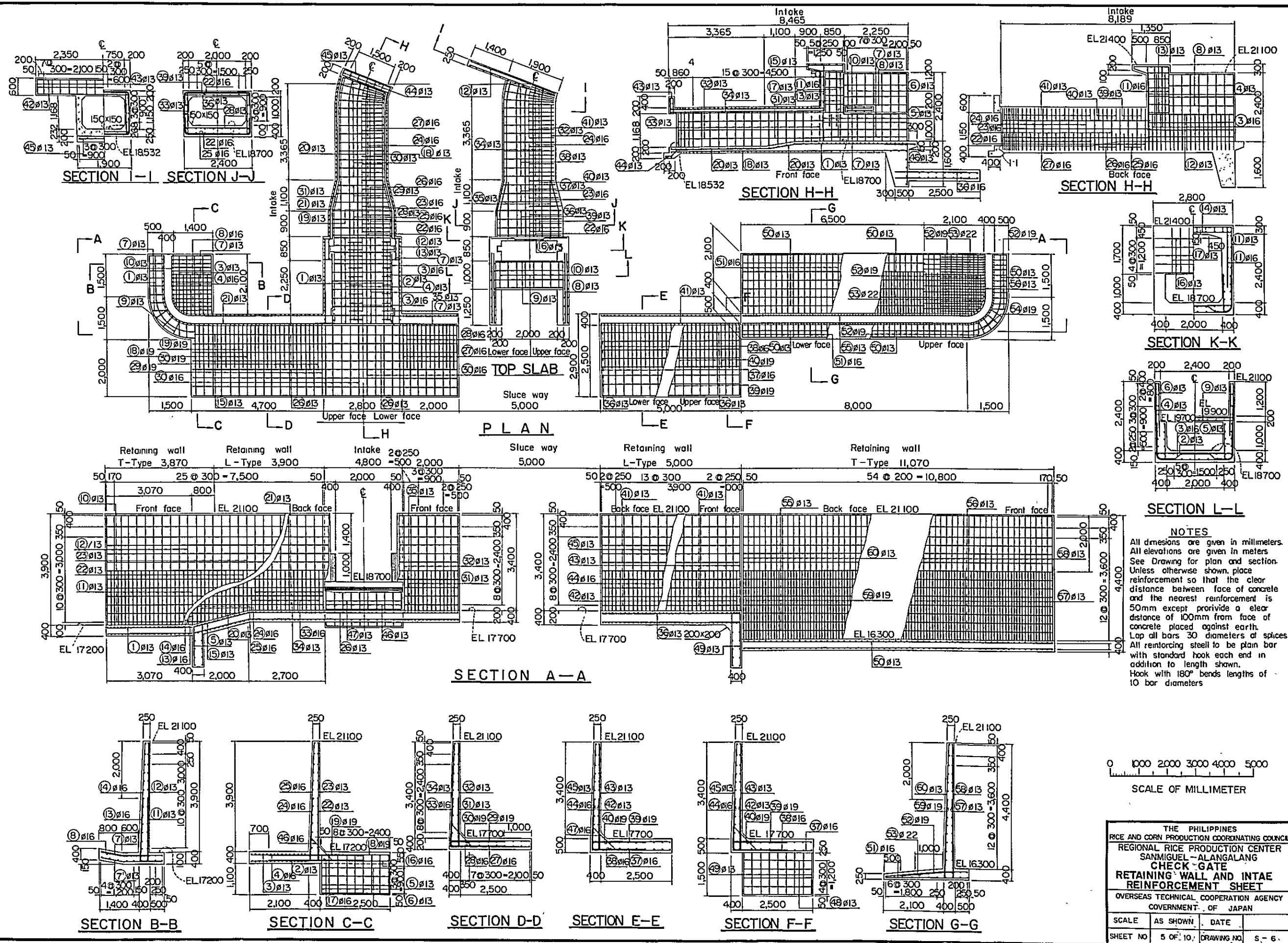
DETAIL I

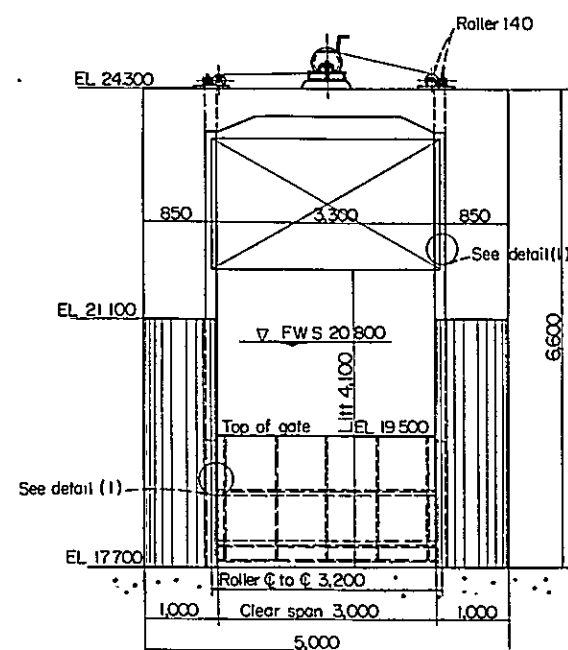
SECTION E-E

THE PHILIPPINES			
RICE AND CORN PRODUCTION COORDINATING COUNCIL			
REGIONAL RICE PRODUCTION CENTER			
SAN MIGUEL, ALANGALANG			
CHECK GATE			
FIXED WEIR AND WOODEN MATTRESS			
PLAN AND SECTION			
OVERSEAS TECHNICAL COOPERATION AGENCY			
GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO.	2 OF 10	DRAWING NO.	S-3

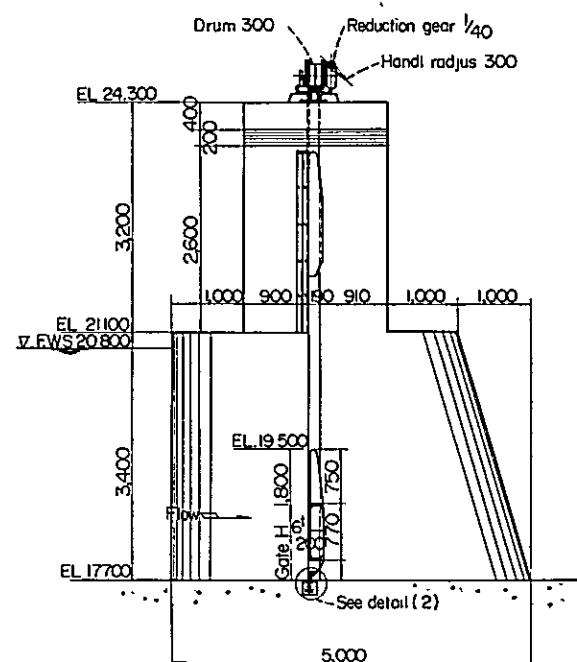








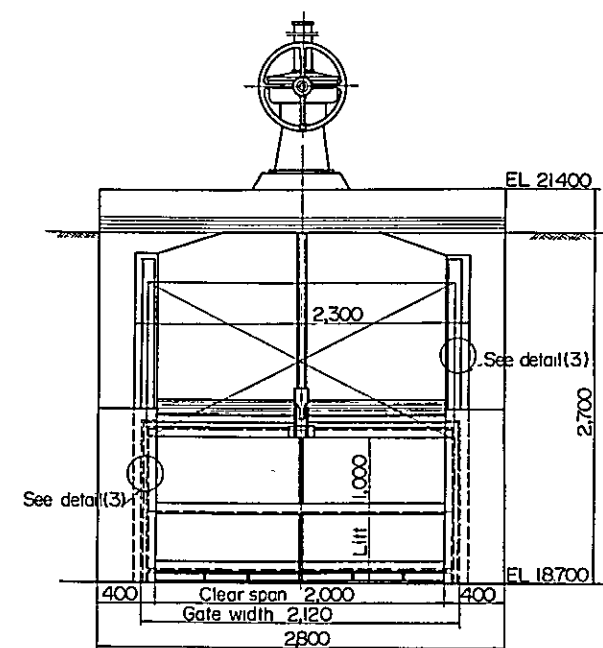
ELEVATION OF SLUICE WAY GATE



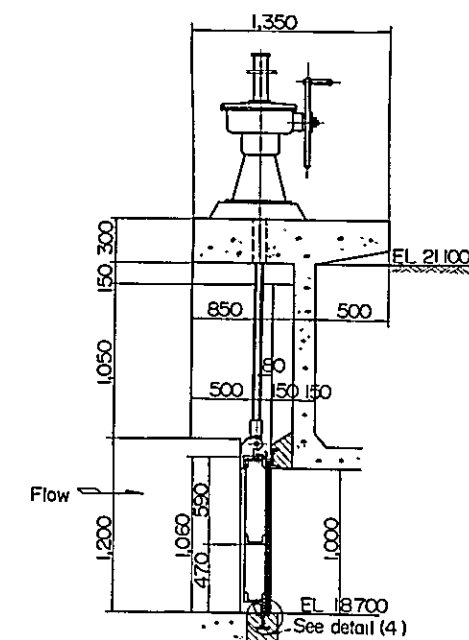
PROFILE OF SLUICE WAY GATE

1,000 0,000 1,000 2,000 3,000 4,000

SCALE OF MILLIMETER



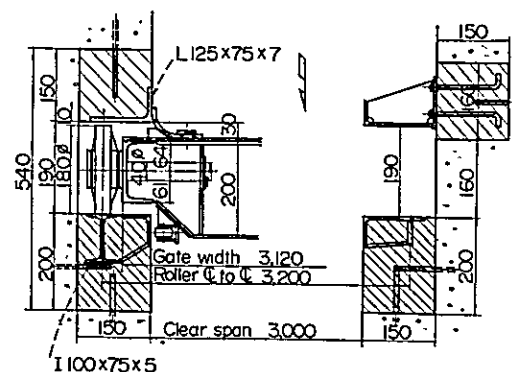
ELEVATION OF INTAKE GATE



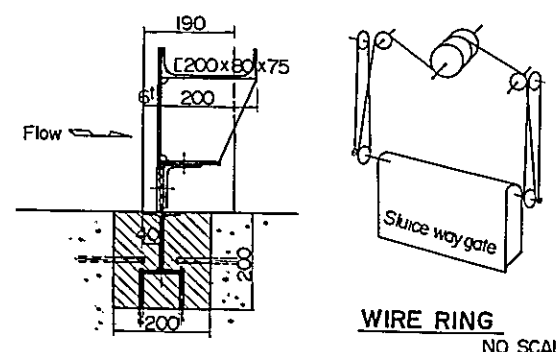
PROFILE OF INTAKE GATE

1,000 0,000 1,000 2,000

SCALE OF MILLIMETER

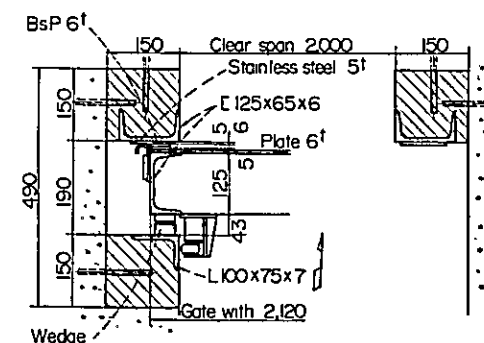


DETAIL (1)

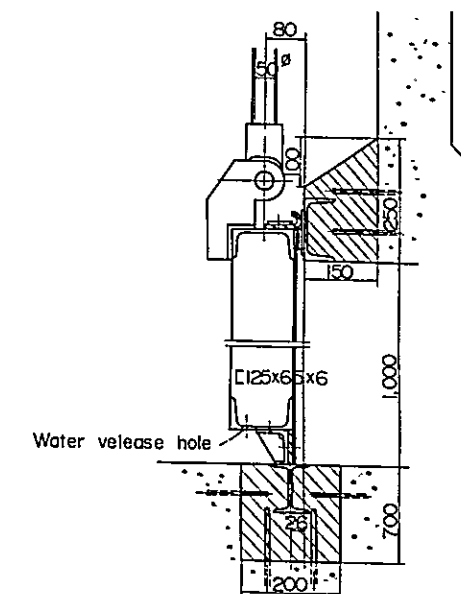


DETAIL (2)

WIRE RING
NO SCAL



DETAIL (3)



DETAIL (4)

300 200 100 0,00 100 200 300 400 500 600

SCALE OF MILLIMETER

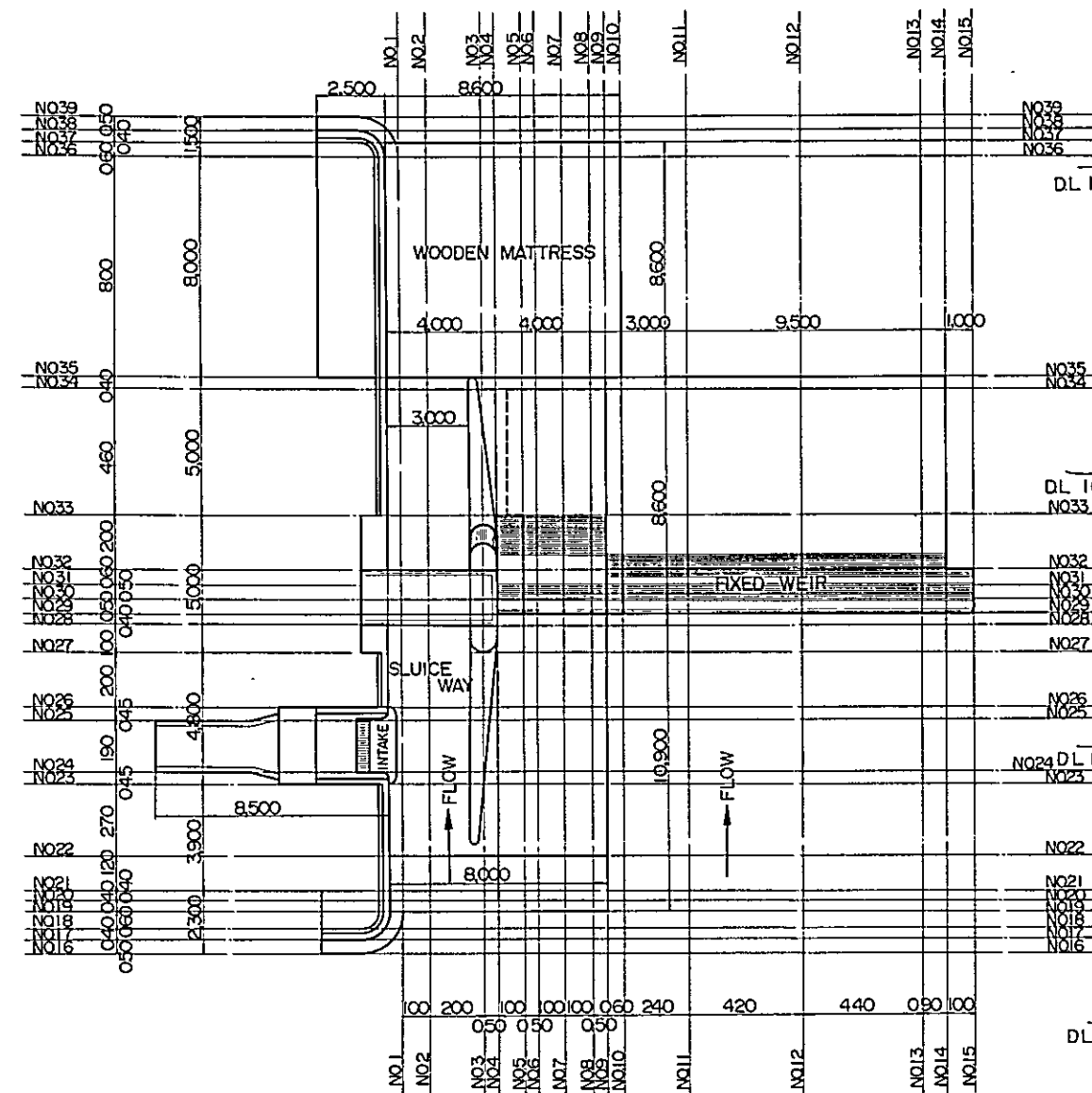
Point of design

Type : Steel roller gate
Clear x High : 3,000 x 1,800
Number of gate required : 1
Depth for design : 2,100 (30 over)
Method of water-tight : Three side water-tight
Lift : 4,100
Hoist : Manual winch type

Point of design

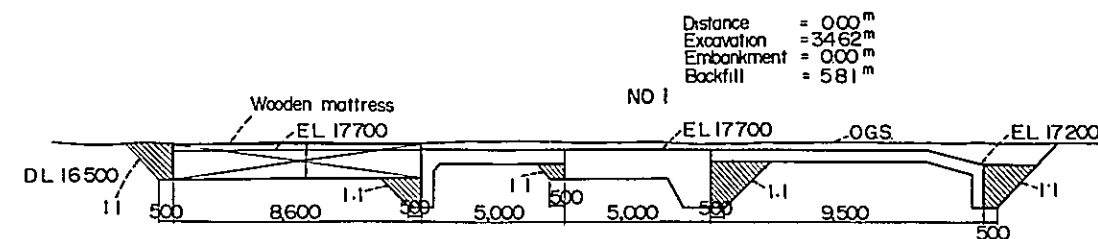
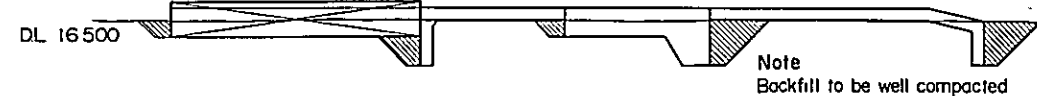
Type : Steel sluice gate
Clear x High : 2,000 x 1,000
Number of gat required : 1
Depth for design : 2,100
Method of water-tight : All water-tight
Lift : 1,000
Hoist : Manual spindle type

THE PHILIPPINES	
RICE AND CORN PRODUCTION COORDINATING COUNCIL	
REGIONAL RICE PRODUCTION CENTER	
SANMIGUEL - ALANGALANG	
CHECK GATE	
INSTALL ASSEMBLY OF GATES	
OVERSEAS TECHNICAL COOPERATION AGENCY	
GOVERNMENT OF JAPAN	
SCALE	AS SHOWN
SHEET NO.	6 OF 10
DRAWING NO.	S-7



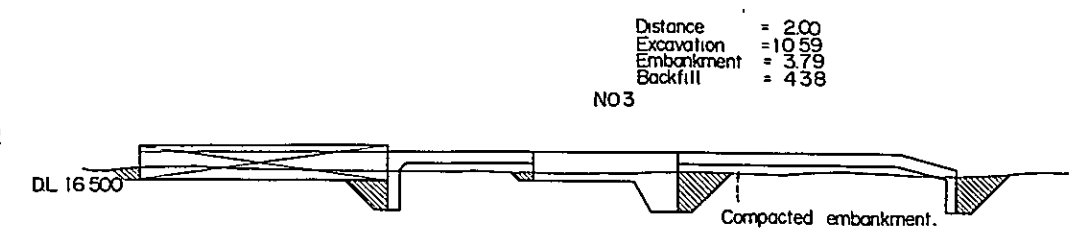
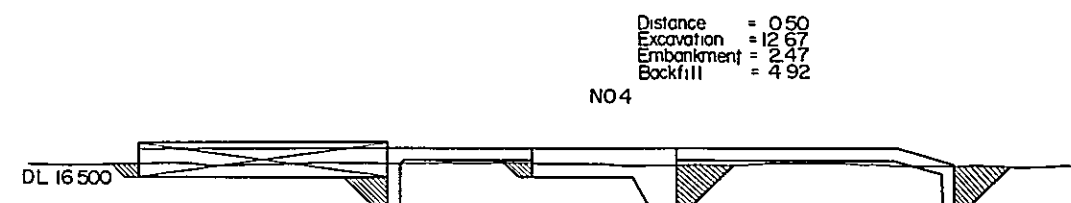
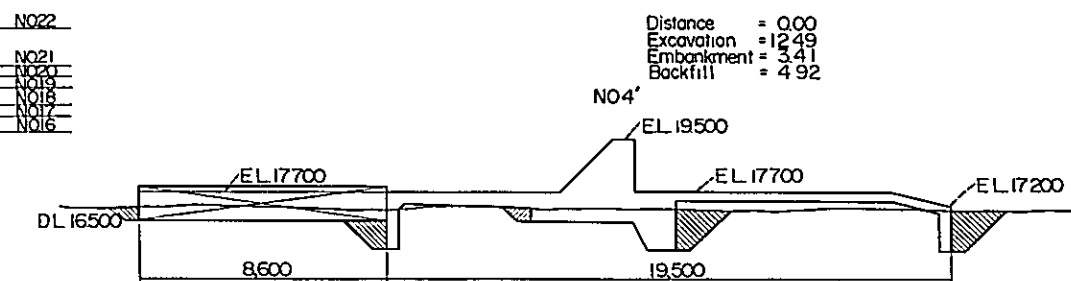
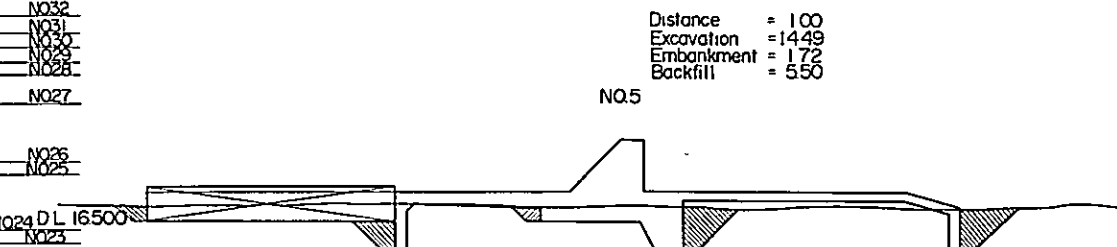
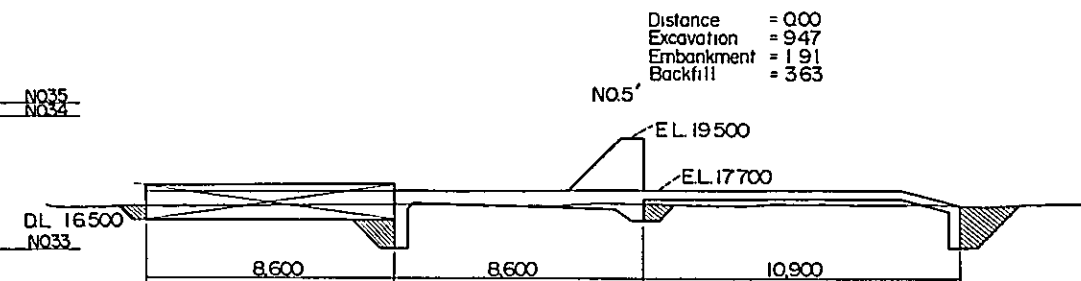
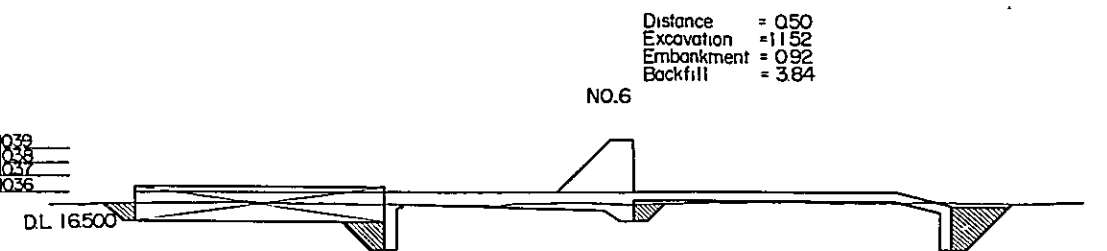
PLAN

Distance = 100
Excavation = 14.64
Embankment = 1.19
Backfill = 5.50

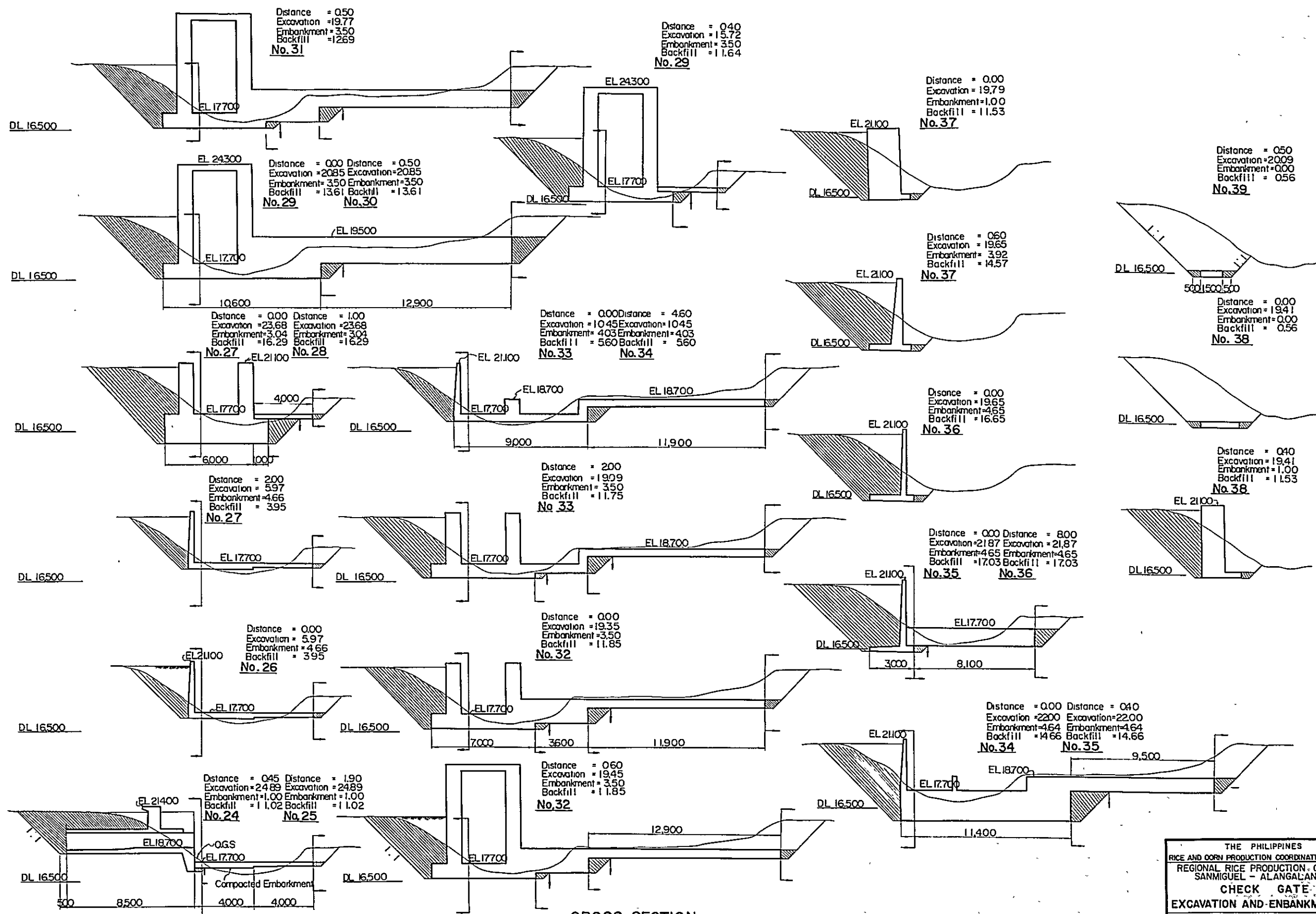


LONGITUDINAL SECTION

0 10 20 30 40 50 60 70 80 90 100m
SCALE OF METER



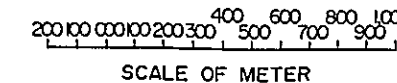
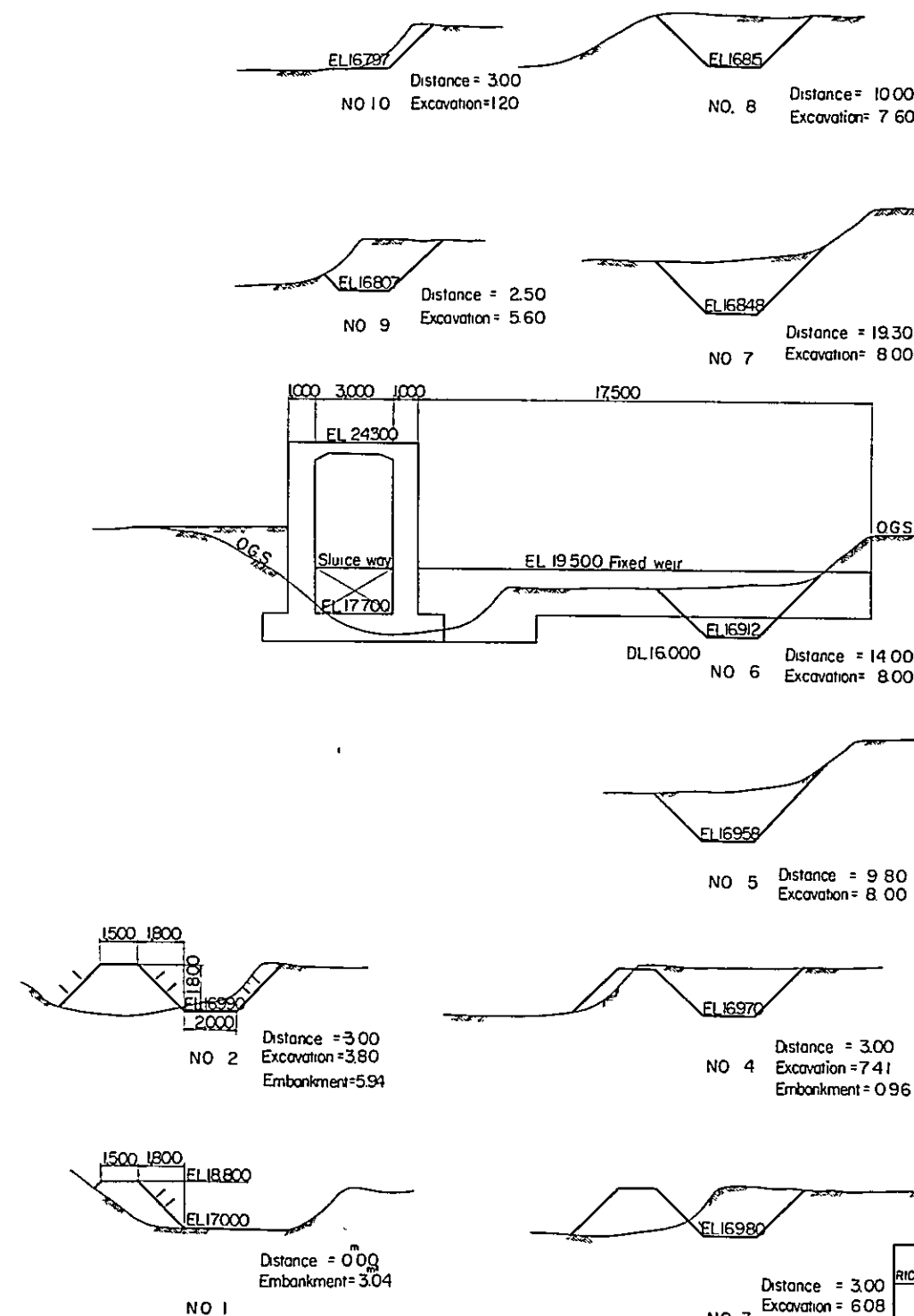
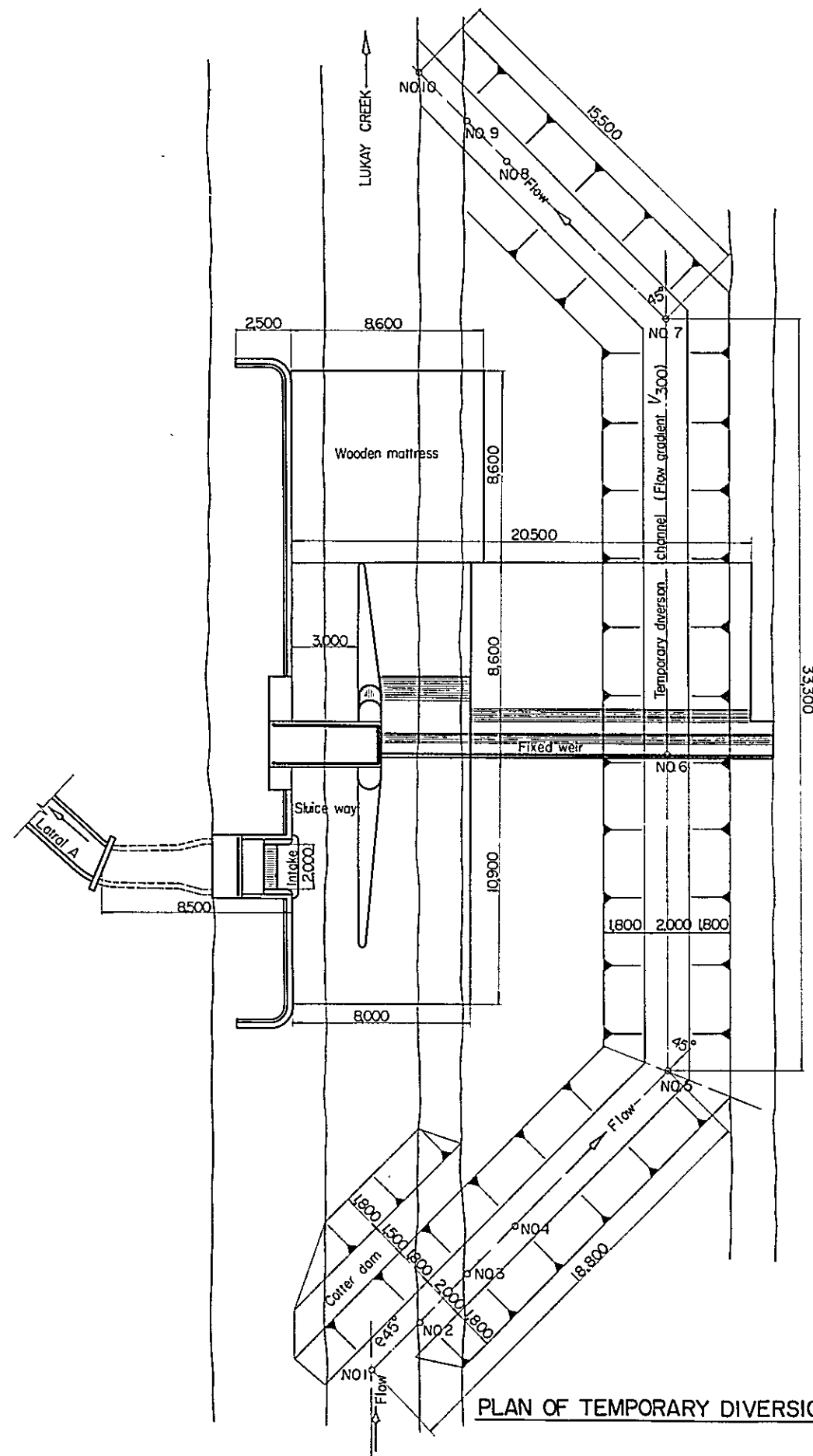
THE PHILIPPINES RICE AND CORN PRODUCTION COORDINATING COUNCIL REGIONAL RICE PRODUCTION CENTER SANMIGUEL - ALANGALANG CHECK GATE EXCAVATION AND EMBANKMENT(I) OVERSEAS TECHNICAL COOPERATION AGENCY GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO.	7 OF 10	DRAWING NO.	5-B



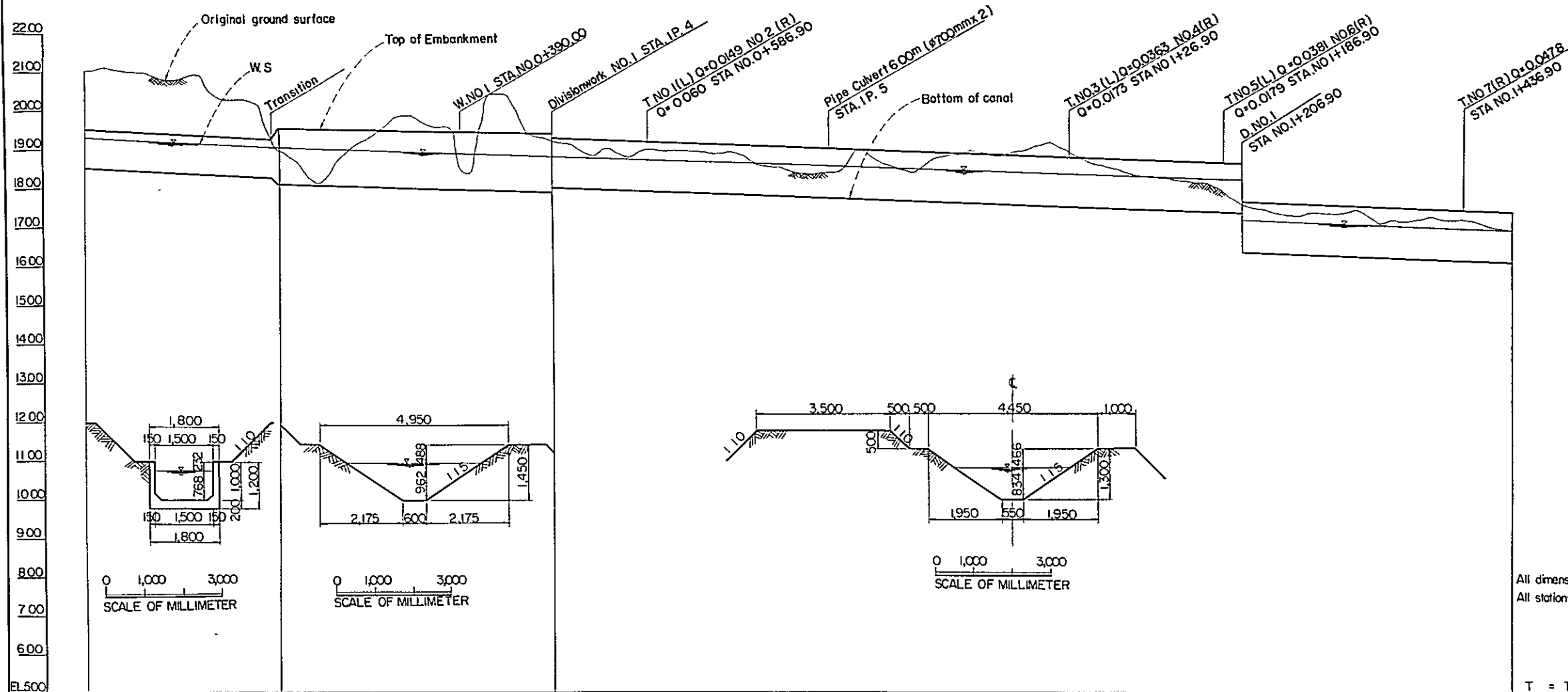
CROSS SECTION

0 2000 4000 6000 8000 10000
 SCALE OF MILLIMETER

THE PHILIPPINES			
RICE AND CORN PRODUCTION COORDINATING COUNCIL			
REGIONAL RICE PRODUCTION CENTER			
SAN MIGUEL - ALANGALANG			
CHECK GATE			
EXCAVATION AND EMBANKMENT (3)			
OVERSEAS TECHNICAL COOPERATION AGENCY			
GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO.	9 OF 10	DRAWING NO.	S-10



THE PHILIPPINES			
RICE AND CORN PRODUCTION COORDINATING COUNCIL			
REGIONAL RICE PRODUCTION CENTER			
SANMIGUEL - ALANGALANG			
CHECK GATE			
TEMPORARY WORKS			
OVERSEAS TECHNICAL COOPERATION AGENCY			
GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO.	10 OF 10	DRAWING NO.	S-11

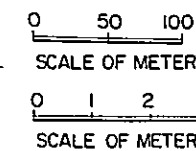


NOTES

All dimensions are given in millimeters
All stations and elevations are given in meters

EXPLANATIONS

T = Turnout
(R) = Right side of Lateral
(L) = Left side of Lateral
D = Drop
W = Waste way
Q = Discharge through turnout pipe



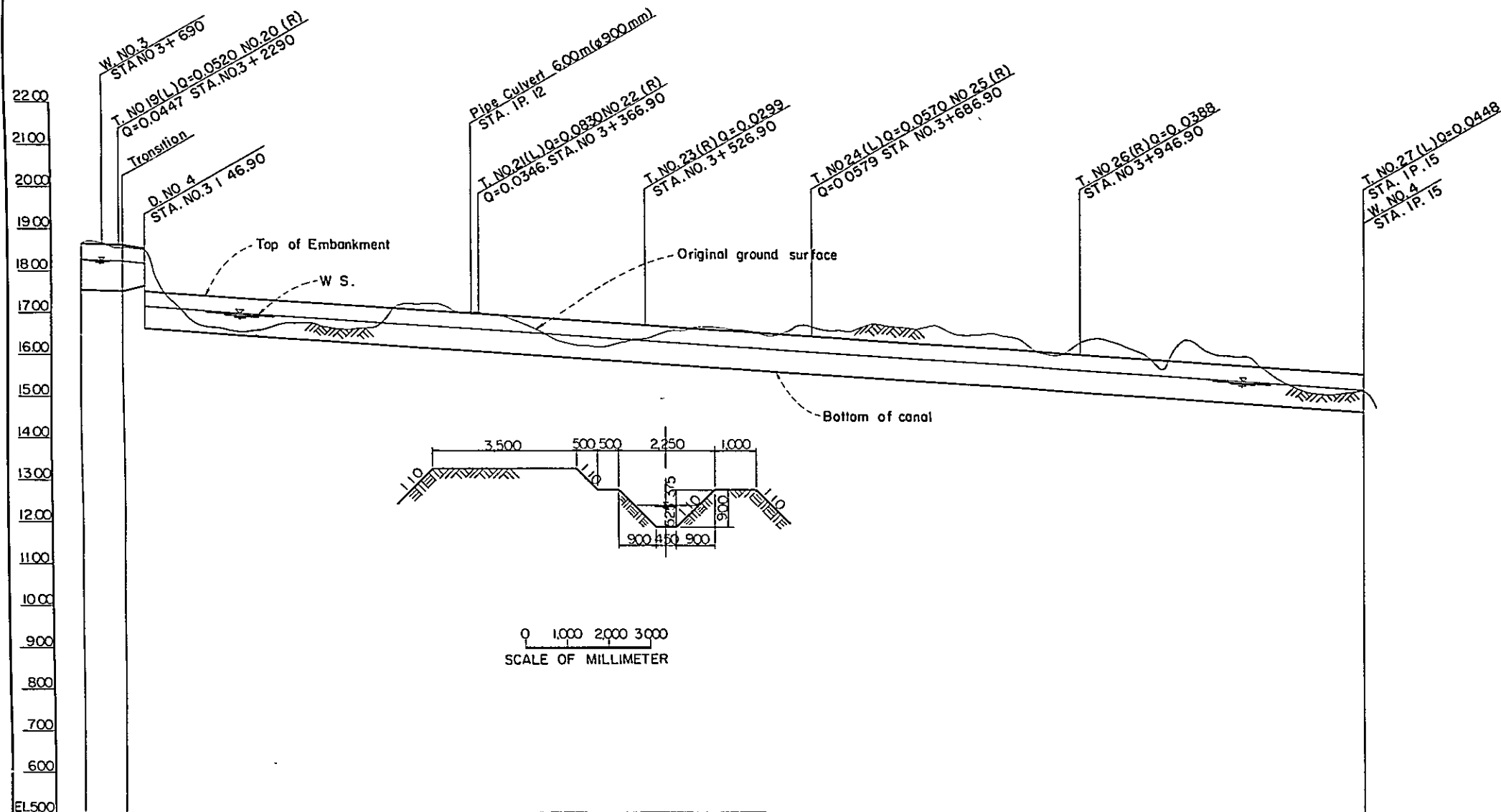
CLAVE	STA.	Q.S. DIST. STA.	ACQUM. DIST.	GROUND ELEV.	DEPTH OF CANAL	ELEV. OF W.S.	DEPTH OF EXCA.	REPORT OF EMBA.
	NO. 0	0.00	0.00	20.99	18.532	19.300	2.458	
	+20.00	20.00	20.00	21.08	18.510	19.278	2.570	
	+40.00	20.00	40.00	21.00	18.488	19.256	2.512	
	+60.00	20.00	60.00	20.94	18.465	19.233	1.707	
	+80.00	20.00	80.00	20.78	18.443	19.211	2.337	
	+100.00	20.00	100.00	20.80	18.421	19.189	2.379	
	+120.00	20.00	120.00	20.87	18.399	19.167	2.471	
	+140.00	20.00	140.00	20.31	18.377	19.145	1.933	
	+160.00	20.00	160.00	20.27	18.354	19.122	1.916	
	+180.00	20.00	180.00	20.10	18.332	19.100	1.768	
	+190.00	20.00	190.00	19.32	18.316	19.084	1.004	
	+200.00	20.00	200.00	18.90	18.110	19.072	0.870	
	+220.00	20.00	220.00	18.67	18.085	19.057	0.575	
	+240.00	20.00	240.00	18.13	18.073	19.041	0.051	
	+250.00	20.00	250.00	18.15	18.076	19.036	0.036	
	+260.00	20.00	260.00	18.71	18.064	19.026	0.074	
	+280.00	20.00	280.00	19.10	18.048	19.010	1.062	
	+300.00	20.00	300.00	19.41	18.033	18.995	1.377	
	+320.00	20.00	320.00	19.81	18.018	18.980	1.792	
	+340.00	20.00	340.00	19.85	18.002	18.964	1.948	
	+360.00	20.00	360.00	19.59	17.987	18.949	1.603	
	+380.00	20.00	380.00	19.55	17.979	18.944	1.591	
	+400.00	20.00	400.00	19.55	17.971	18.933	1.579	
	+420.00	20.00	420.00	19.48	17.963	18.925	1.517	
	+440.00	20.00	440.00	19.41	17.956	18.918	1.454	
	+460.00	20.00	460.00	19.45	17.948	18.910	1.502	
	+480.00	20.00	480.00	20.41	17.941	18.902	2.469	
	+500.00	20.00	500.00	20.38	17.925	18.887	2.455	
	+520.00	20.00	520.00	19.42	17.910	18.872	1.510	
	+540.00	20.00	540.00	19.26	17.894	18.856	1.366	
	+560.00	20.00	560.00	19.17	17.888	18.851	1.281	
	+580.00	20.00	580.00	19.10	17.897	18.831	1.103	
	+600.00	20.00	600.00	18.85	17.877	18.811	0.873	
	+620.00	20.00	620.00	18.77	17.937	18.771	0.833	
	+640.00	20.00	640.00	19.01	17.917	18.751	1.093	
	+660.00	20.00	660.00	18.83	17.897	18.731	1.033	
	+680.00	20.00	680.00	18.93	17.877	18.711	1.053	
	+700.00	20.00	700.00	18.91	17.857	18.691	1.053	
	+720.00	20.00	720.00	18.91	17.837	18.671	1.073	
	+740.00	20.00	740.00	18.80	17.817	18.651	0.983	
	+760.00	20.00	760.00	18.55	17.797	18.631	0.753	
	+780.00	20.00	780.00	18.47	17.777	18.611	0.683	
	+800.00	20.00	800.00	18.35	17.757	18.591	0.593	
	+820.00	20.00	820.00	18.34	17.737	18.571	0.603	
	+840.00	20.00	840.00	18.35	17.730	18.564	0.620	
	+860.00	20.00	860.00	18.39	17.717	18.551	0.673	
	+880.00	20.00	880.00	19.00	17.697	18.531	1.303	
	+900.00	20.00	900.00	18.70	17.677	18.511	1.023	
	+920.00	20.00	920.00	18.47	17.657	18.491	0.813	
	+940.00	20.00	940.00	18.40	17.637	18.471	0.763	
	+960.00	20.00	960.00	18.74	17.614	18.451	1.123	
	+980.00	20.00	980.00	18.82	17.597	18.431	1.223	
	+1000.00	20.00	1000.00	18.93	17.577	18.411	1.353	
	+1020.00	20.00	1020.00	18.81	17.557	18.391	1.253	
	+1040.00	20.00	1040.00	18.87	17.537	18.371	1.333	
	+1060.00	20.00	1060.00	18.99	17.517	18.351	1.473	
	+1080.00	20.00	1080.00	18.14	17.497	18.331	1.643	
	+1100.00	20.00	1100.00	18.91	17.477	18.311	1.433	
	+1120.00	20.00	1120.00	18.70	17.464	18.288	1.236	
	+1140.00	20.00	1140.00	18.63	17.457	18.287	1.173	
	+1160.00	20.00	1160.00	18.52	17.437	18.271	1.083	
	+1180.00	20.00	1180.00	18.39	17.417	18.251	0.863	
	+1200.00	20.00	1200.00	18.25	17.397	18.231	0.853	
	+1220.00	20.00	1220.00	18.22	17.377	18.211	0.843	
	+1240.00	20.00	1240.00	18.15	17.357	18.191	0.793	
	+1260.00	20.00	1260.00	18.11	17.337	18.171	0.773	
	+1280.00	20.00	1280.00	17.44	17.317	18.151	0.523	
	+1300.00	20.00	1300.00	17.66	17.307	18.141	0.373	
	+1320.00	20.00	1320.00	17.55	17.287	18.131	0.253	
	+1340.00	20.00	1340.00	17.39	17.277	18.111	1.117	
	+1360.00	20.00	1360.00	17.31	17.257	18.091	1.053	
	+1380.00	20.00	1380.00	17.23	17.237	18.071	0.993	
	+1400.00	20.00	1400.00	17.30	17.217	18.051	1.083	
	+1420.00	20.00	1420.00	17.29	17.207	18.031	1.093	
	+1440.00	20.00	1440.00	17.37	17.187	18.011	1.193	
	+1460.00	20.00	1460.00	17.08	17.167	17.991	0.903	
	+1480.00	20.00	1480.00	17.11	17.137	17.971	0.973	
	+1500.00	20.00	1500.00	17.12	17.117	17.951	1.003	
	+1520.00	20.00	1520.00	17.20	17.097	17.931	1.103	
	+1540.00	20.00	1540.00	17.10	17.077	17.911	1.023	
	+1560.00	20.00	1560.00	17.10	17.057	17.891	0.843	
	+1580.00	20.00	1580.00	16.93	17.037	17.871	0.893	
	+1600.00	20.00	1600.00	16.83	17.017	17.851	0.813	

THE PHILIPPINES
RICE AND CORN PRODUCTION COORDINATING COUNCIL
REGIONAL RICE PRODUCTION CENTER
SAN MIGUEL - ALANGALANG

LATERAL A
PROFILE (I)

OVERSEAS TECHNICAL COOPERATION AGENCY
GOVERNMENT OF JAPAN

SCALE AS SHOWN DATE
SHEET NO 1 OF 3 DRAWING NO 5-12



0 1000 2000 3000
SCALE OF MILLIMETER

NOTES

All dimensions are given in millimeters.
All stations and elevations are given in meters.

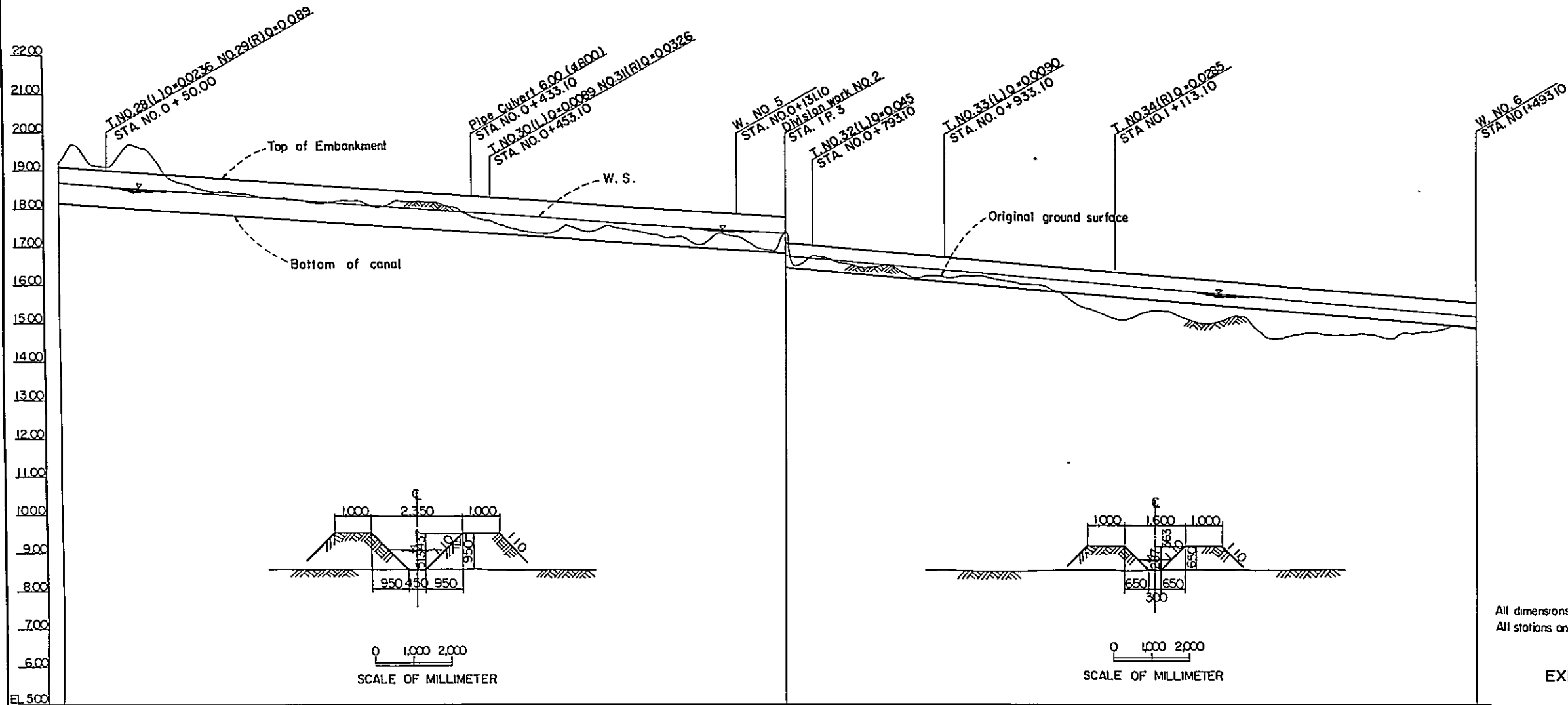
EXPLANATIONS

T = Turnout
(R) = Right side of Lateral
(L) = Left side of Lateral
D = Drop
W = Waste way
Q = Discharge through turnout pipe

ST. A.	DIST. BETWEEN STATIONS	ACROSS DIST.	FOUND. ELEV.	BOTTOM CANAL	ELEV. W. S.	DEPTH OF CANAL	HEIGHT OF EMBANKMENT	GRAD.
NO 2	20.00	2.96690	13.63	12.544	13.248	1.086		
+986.9								
NO 3	20.00	3.00390	13.64	12.522	13.226	1.118		
+6.9								
+22.9	20.00	3.02690	13.52	12.499	13.203	1.029		
+46.9	20.00	3.04690	13.48	12.465	12.170	0.835		
+66.9	20.00	3.06690	12.39	11.612	12.137	1.778		
+86.9	20.00	3.08690	11.93	11.578	12.103	0.352		
+106.9	20.00	3.10690	11.65	11.545	12.020	0.105		
+126.9	20.00	3.12690	11.57	11.512	12.037	0.058		
+146.9	20.00	3.14690	11.56	11.478	12.003	0.082		
+166.9	20.00	3.16690	11.66	11.445	11.970	0.215		
+186.9	20.00	3.18690	11.73	11.412	11.937	0.318		
+206.9	20.00	3.20690	11.72	11.378	11.903	0.342		
+226.9	20.00	3.22690	11.60	11.349	11.874	0.251		
+246.9	20.00	3.24690	11.58	11.312	11.837	0.368		
+266.9	20.00	3.26690	11.63	11.278	11.803	0.352		
+286.9	20.00	3.28690	12.16	11.245	11.770	0.915		
+306.9	20.00	3.30690	12.21	11.212	11.737	0.998		
+326.9	20.00	3.32690	12.23	11.178	11.703	1.052		
+346.9	20.00	3.34690	11.99	11.145	11.670	0.845		
+366.9	20.00	3.36690	12.05	11.126	11.651	0.924		
+386.9	20.00	3.38690	11.95	11.078	11.603	0.872		
+406.9	20.00	3.40690	11.79	11.045	11.670	0.745		
+426.9	20.00	3.42690	11.53	11.012	11.537	0.518		
+446.9	20.00	3.44690	11.31	10.978	11.503	0.332		
+466.9	20.00	3.46690	11.23	10.945	11.470	0.285		
+486.9	20.00	3.48690	11.19	10.912	11.437	0.278		
+506.9	20.00	3.50690	11.30	10.878	11.403	0.422		
+526.9	20.00	3.52690	11.40	10.845	11.370	0.555		
+546.9	20.00	3.54690	11.58	10.812	11.337	0.768		
+566.9	20.00	3.56690	11.60	10.788	11.303	0.822		
+586.9	20.00	3.58690	11.68	10.745	11.270	0.945		
+606.9	20.00	3.60690	11.63	10.712	11.237	0.918		
+626.9	20.00	3.62690	11.59	10.678	11.203	0.912		
+646.9	20.00	3.64690	11.46	10.645	11.170	0.815		
+666.9	20.00	3.66690	11.57	10.612	11.137	0.988		
+686.9	20.00	3.68690	11.71	10.578	11.105	1.132		
+706.9	20.00	3.70690	11.60	10.545	11.080	1.055		
+726.9	20.00	3.72690	11.57	10.512	11.037	1.058		
+746.9	20.00	3.74690	11.75	10.478	10.993	1.262		
+766.9	20.00	3.76690	11.69	10.445	10.970	1.245		
+786.9	20.00	3.78690	11.63	10.412	10.937	1.218		
+806.9	20.00	3.80690	11.72	10.378	10.903	1.342		
+826.9	20.00	3.82690	11.49	10.345	10.870	1.145		
+846.9	20.00	3.84690	11.48	10.312	10.837	1.168		
+866.9	20.00	3.86690	11.49	10.278	10.803	1.212		
+886.9	20.00	3.88690	11.38	10.245	10.770	1.135		
+906.9	20.00	3.90690	11.05	10.212	10.737	0.838		
+926.9	20.00	3.92690	10.99	10.178	10.704	0.812		
+946.9	20.00	3.94690	11.34	10.145	10.670	1.195		
+966.9	20.00	3.96690	11.41	10.112	10.637	1.298		
+986.9	20.00	3.98690	11.24	10.078	10.603	1.162		
+1006.9	20.00	4.00690	11.06	10.045	10.570	1.015		
+1026.9	20.00	4.02690	10.65	10.012	10.537	0.638		
+1046.9	20.00	4.04690	11.40	9.978	10.503	1.422		
+1066.9	20.00	4.06690	11.12	9.945	10.470	1.175		
+1086.9	20.00	4.08690	11.00	9.912	10.437	1.088		
+1106.9	20.00	4.10690	10.99	9.878	10.403	1.112		
+1126.9	20.00	4.12690	10.62	9.845	10.370	0.775		
+1146.9	20.00	4.14690	10.33	9.812	10.337	0.518		
+1166.9	20.00	4.16690	10.11	9.778	10.303	0.332		
+1186.9	20.00	4.18690	10.07	9.745	10.270	0.325		
+1206.9	20.00	4.20690	10.00	9.712	10.237	0.288		
+1226.9	20.00	4.22690	9.95	9.699	10.216	0.259		

Horizontal scale 0 50 100
SCALE OF METER
Vertical scale 0 1 2 3
SCALE OF METER

THE PHILIPPINES
RICE AND CORN PRODUCTION COORDINATING COUNCIL
REGIONAL RICE PRODUCTION CENTER
SANMIGUEL - ALANGALANG
LATERAL A
PROFILE (3)
OVERSEAS TECHNICAL COOPERATION AGENCY
GOVERNMENT OF JAPAN
SCALE AS SHOWN DATE
SHEET NO 3 OF 3 DRAWING NO S - 14



NOTES

All dimensions are given in millimeters
All stations and elevations are given in meters

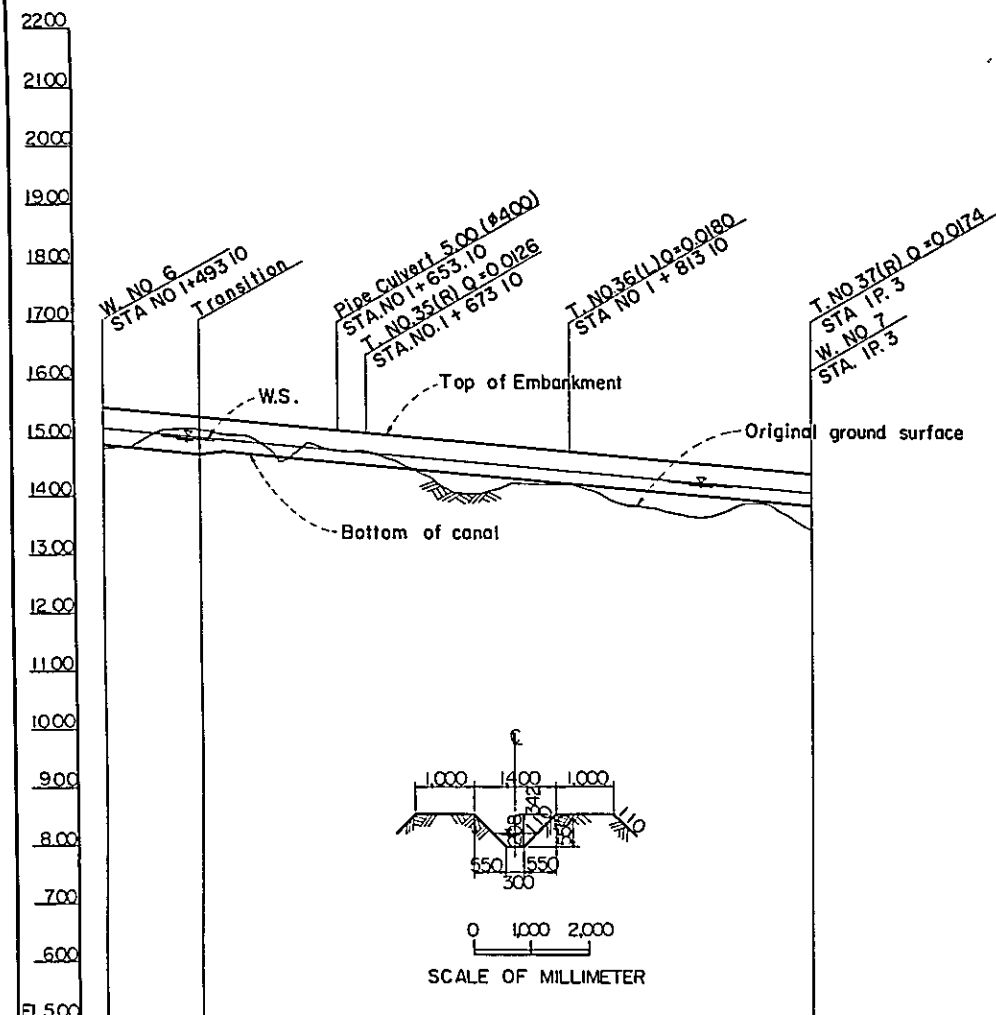
EXPLANATIONS

T = Turnout
(R) = Right side of Lateral
(L) = Left side of Lateral
W = Waste way
Q = Discharge through turnout pipe

Horizontal scale 0 50 100
SCALE OF METER
Vertical scale 0 1 2 3
SCALE OF METER

THE PHILIPPINES			
RICE AND CORN PRODUCTION COORDINATING COUNCIL			
REGIONAL RICE PRODUCTION CENTER			
SANMIGUEL - ALANGALAG			
LATERAL A1			
PROFILE (2)			
OVERSEAS TECHNICAL COOPERATION AGENCY			
GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO.	1 OF 2	DRAWING NO.	S - 15

STA.	DIST. FROM STA. NO. 0	ACCUM. DIST.	GROUND ELEV.	ELEV. OF EXCA.	DEPTH OF EXCA.	GRAD.
NO. 0	0.00	0.00	19.17	18.139	1.032	
+13.10	13.10	13.10	19.64	18.116	1.524	
+33.10	20.00	33.10	19.13	18.083	1.047	
+53.10	20.00	53.10	19.06	18.050	1.030	
+73.10	20.00	73.10	19.66	18.016	1.644	
+93.10	20.00	93.10	19.50	17.984	1.516	
+113.10	20.00	113.10	18.81	17.951	0.859	
+133.10	20.00	133.10	18.70	17.929	0.771	
+153.10	20.00	153.10	18.63	17.87	0.763	
+173.10	20.00	173.10	18.45	17.884	0.566	
+193.10	20.00	193.10	18.42	17.851	0.569	
+213.10	20.00	213.10	18.39	17.817	0.573	
+233.10	20.00	233.10	18.28	17.784	0.496	
+253.10	20.00	253.10	18.24	17.77	0.473	
+273.10	20.00	273.10	18.13	17.684	0.446	
+293.10	20.00	293.10	18.19	17.651	0.539	
+313.10	20.00	313.10	18.21	17.617	0.593	
+333.10	20.00	333.10	18.03	17.584	0.446	
+353.10	20.00	353.10	18.20	17.551	0.649	
+373.10	20.00	373.10	18.17	17.517	0.653	
+393.10	20.00	393.10	18.17	17.484	0.686	
+413.10	20.00	413.10	18.04	17.451	0.589	
+433.10	20.00	433.10	17.78	17.417	0.363	
+453.10	20.00	453.10	17.68	17.384	0.296	
+473.10	20.00	473.10	17.49	17.351	0.139	
+493.10	20.00	493.10	17.37	17.317	0.063	
+513.10	20.00	513.10	17.33	17.284	0.046	
+533.10	20.00	533.10	17.55	17.251	0.299	
+553.10	20.00	553.10	17.39	17.217	0.173	
+573.10	20.00	573.10	17.52	17.184	0.336	
+593.10	20.00	593.10	17.47	17.151	0.319	
+613.10	20.00	613.10	17.38	17.117	0.263	
+633.10	20.00	633.10	17.26	17.084	0.176	
+653.10	20.00	653.10	17.25	17.051	0.191	
+673.10	20.00	673.10	17.04	17.017	0.023	
+693.10	20.00	693.10	17.35	16.984	0.366	
+713.10	20.00	713.10	17.24	16.951	0.289	
+733.10	20.00	733.10	16.98	16.917	0.063	
+753.10	20.00	753.10	16.86	16.884	0.076	
+773.10	20.00	773.10	16.85	16.851	0.009	
+793.10	20.00	793.10	16.71	16.817	0.084	
+813.10	20.00	813.10	16.63	16.784	0.046	
+833.10	20.00	833.10	16.49	16.751	0.153	
+853.10	20.00	853.10	16.42	16.717	0.127	
+873.10	20.00	873.10	16.49	16.684	0.005	
+893.10	20.00	893.10	16.19	16.651	0.242	
+913.10	20.00	913.10	16.19	16.617	0.031	
+933.10	20.00	933.10	16.17	16.584	0.055	
+953.10	20.00	953.10	16.19	16.551	0.119	
+973.10	20.00	973.10	16.19	16.517	0.164	
+993.10	20.00	993.10	16.09	16.484	0.108	
+1013.10	20.00	1013.10	16.00	16.451	0.087	
+1033.10	20.00	1033.10	15.96	16.417	0.087	
+1053.10	20.00	1053.10	15.82	16.384	0.564	
+1073.10	20.00	1073.10	15.79	16.351	0.561	
+1093.10	20.00	1093.10	15.44	16.317	0.874	
+1113.10	20.00	1113.10	15.27	16.284	1.013	
+1133.10	20.00	1133.10	15.09	16.251	1.161	
+1153.10	20.00	1153.10	15.15	16.217	1.067	
+1173.10	20.00	1173.10	15.30	16.184	0.884	
+1193.10	20.00	1193.10	15.25	16.151	0.901	
+1213.10	20.00	1213.10	15.03	16.117	1.084	
+1233.10	20.00	1233.10	14.95	16.084	1.134	
+1253.10	20.00	1253.10	15.09	16.051	0.961	
+1273.10	20.00	1273.10	15.07	16.017	0.947	
+1293.10	20.00	1293.10	14.85	15.984	1.134	
+1313.10	20.00	1313.10	14.59	15.951	1.361	
+1333.10	20.00	1333.10	14.69	15.917	1.224	
+1353.10	20.00	1353.10	14.64	15.884	1.244	
+1373.10	20.00	1373.10	14.69	15.851	1.161	
+1393.10	20.00	1393.10	14.80	15.817	1.017	
+1413.10	20.00	1413.10	14.67	15.784	1.114	
+1433.10	20.00	1433.10	14.72	15.751	1.031	
+1453.10	20.00	1453.10	14.78	15.717	0.934	
+1473.10	20.00	1473.10	14.92	15.684	0.764	
+1493.10	20.00	1493.10	14.79	15.651	0.861	



NOTES

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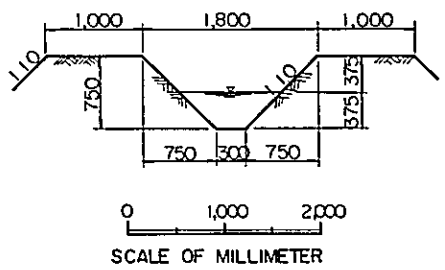
EXPLANATIONS

T = Turnout
(R) = Right side of Lateral
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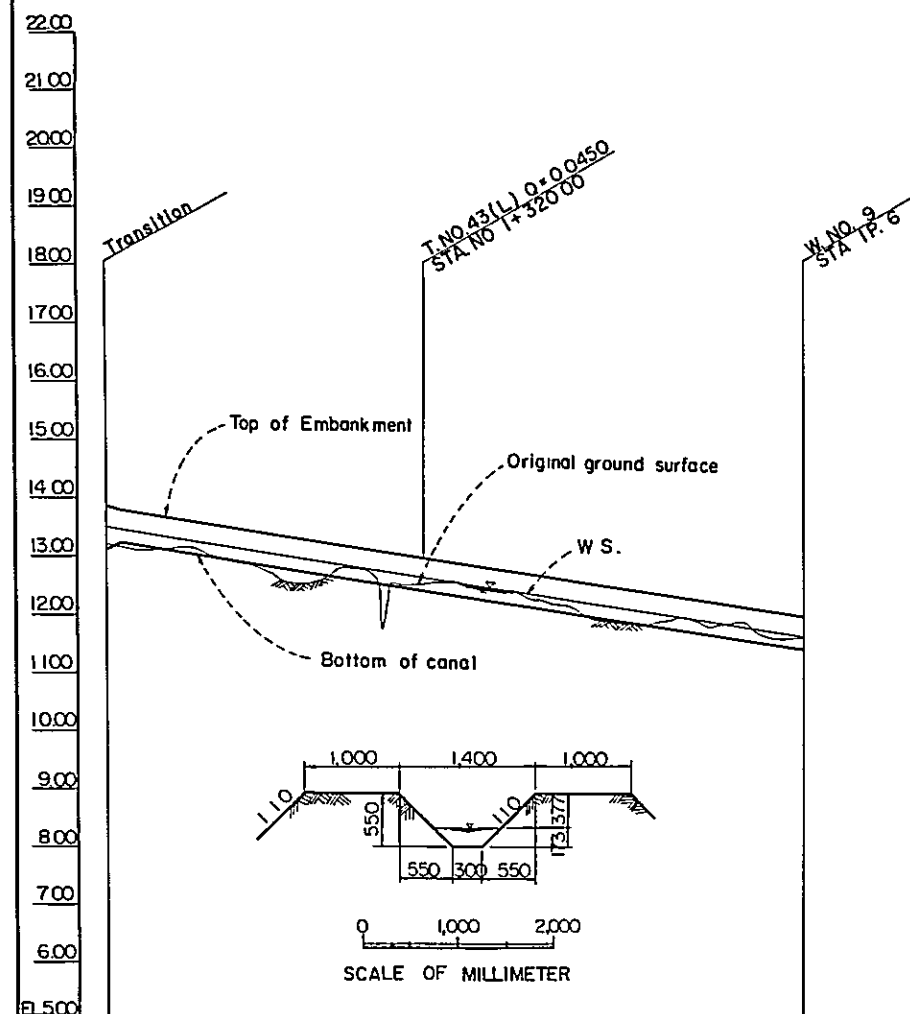
STATION	GRADE	HEIGHT OF GRADE	DEPTH OF EXCAVATION	ELEVATION OF W.S.	BOTTOM OF CANAL	GROUND ELEVATION	ACCUMULATED DISTANCE	STATION
1+493.10	1:1/450	0.081	0.014	15.158	14.871	14.79	20.00	1+493.10
1+513.10			0.328	15.113	14.823	14.84	20.00	1+513.10
1+533.10			0.413	15.069	14.782	15.11	20.00	1+533.10
1+553.10			0.398	15.024	14.737	15.15	20.00	1+553.10
1+573.10			0.278	15.009	14.722	15.12	20.00	1+573.10
1+593.10			0.263	14.980	14.712	15.05	20.00	1+593.10
1+613.10			0.268	14.935	14.727	14.99	20.00	1+613.10
1+633.10			0.166	14.891	14.693	14.90	20.00	1+633.10
1+653.10			0.190	14.802	14.594	14.76	20.00	1+653.10
1+673.10			0.075	14.758	14.550	14.74	20.00	1+673.10
1+693.10				14.713	14.505	14.58	20.00	1+693.10
1+713.10				14.669	14.461	14.35	20.00	1+713.10
1+733.10				14.624	14.416	14.03	20.00	1+733.10
1+753.10				14.580	14.372	14.03	20.00	1+753.10
1+773.10				14.535	14.327	14.21	20.00	1+773.10
1+793.10				14.491	14.283	14.18	20.00	1+793.10
1+813.10				14.446	14.238	14.19	20.00	1+813.10
1+833.10				14.402	14.194	14.03	20.00	1+833.10
1+853.10				14.358	14.150	14.03	20.00	1+853.10
1+873.10				14.313	14.105	14.03	20.00	1+873.10
1+893.10				14.269	14.061	13.64	20.00	1+893.10
1+913.10				14.224	14.016	13.65	20.00	1+913.10
1+933.10				14.180	13.972	13.85	20.00	1+933.10
1+953.10				14.135	13.927	13.80	20.00	1+953.10
1+973.10				14.091	13.883	13.49	20.00	1+973.10
1+993.10				14.047	13.839	13.40	20.00	1+993.10

Horizontal scale 0 50 100
SCALE OF METER
Vertical scale 0 1 2 3
SCALE OF METER

THE PHILIPPINES RICE AND CORN PRODUCTION COORDINATING COUNCIL		
REGIONAL RICE PRODUCTION CENTER SANMIGUEL - ALANGALANG		
LATERAL A1 PROFILE (2)		
OVERSEAS TECHNICAL COOPERATION AGENCY GOVERNMENT OF JAPAN		
SCALE	AS SHOWN	DATE
SHEET NO	2 OF 2	DRAWING NO. S - 16



THE PHILIPPINES			
RICE AND CORN PRODUCTION COORDINATING COUNCIL			
REGIONAL RICE PRODUCTION CENTER			
SANMIGUEL - ALANGALANG			
LATERAL B			
PROFILE (I)			
OVERSEAS TECHNICAL COOPERATION AGENCY			
GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO.	1 OF 2	DRAWING NO.	S - 17



NOTES

All dimensions are given in millimeters.
All stations and elevations are given in meters

EXPLANATIONS

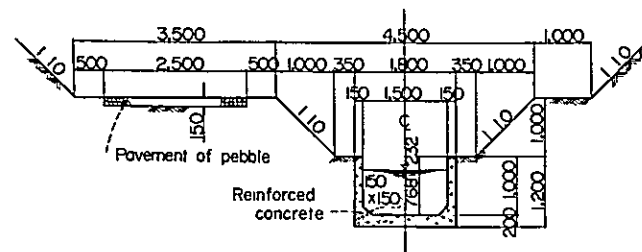
T = Turnout
(L) = Left side of Lateral
W = Waste way
O = Discharge through turnout pipe

Horizontal scale
0 50 100
SCALE OF METER

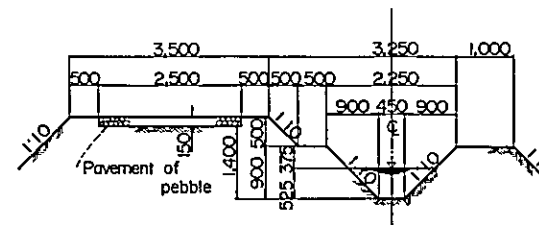
Vertical scale
0 1 2 3
SCALE OF METER

THE PHILIPPINES			
RICE AND CORN PRODUCTION COORDINATING COUNCIL			
REGIONAL RICE PRODUCTION CENTER			
SANMIGUEL - ALANGALANG			
LATERAL B			
PROFILE (2)			
OVERSEAS TECHNICAL COOPERATION AGENCY			
GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO	2 OF 2	DRAWING NO	S - 18

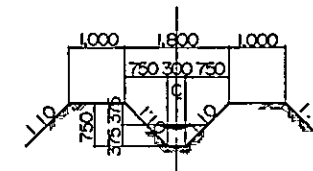
STA	DIST. FROM STA. NO. 1	ACUM. DIST.	ROUND ELEV.	BOTTOM OF CANAL	ELEV. OF W.S.	DEPTH OF EXCAV.	HEIGHT OF EMB.	GRAD.
NO. 1								
+10000	20 00	10000	13 20	13 185	13 560	0 015	0 160	
+12000	20 00	12000	13 12	13 307	13 490	0 080	0 090	
+14000	20 00	14000	13 11	13 227	13 400	0 010	0 070	
+16000	20 00	16000	13 13	13 147	13 320	0 010	0 100	
+18000	20 00	18000	12 87	13 067	13 280		0 300	
+20000	20 00	20000	12 88	12 987	13 180		0 290	
+22000	20 00	22000	12 58	12 907	13 080			
+24000	20 00	24000	12 51	12 827	13 000			
+26000	20 00	26000	12 79	12 747	12 920	0 080		
+28000	20 00	28000	12 76	12 667	12 840	0 120		
+30000	20 00	30000	12 50	12 635	12 750	0 085		
+32000	20 00	32000	12 52	12 555	12 670	0 115		
+34000	20 00	34000	12 54	12 507	12 580	0 080		
+36000	20 00	36000	12 56	12 427	12 500	0 160		
+38000	20 00	38000	12 40	12 37	12 520	0 080		
+40000	20 00	40000	12 42	12 287	12 440	0 180		
+42000	20 00	42000	12 22	12 187	12 360	0 060		
+44000	20 00	44000	12 14	12 107	12 280	0 060		
+46000	20 00	46000	11 87	12 027	12 200	0 130		
+48000	20 00	48000	11 83	11 947	12 120	0 100		
+50000	20 00	50000	11 94	11 787	12 040	0 160		
+52000	20 00	52000	11 74	11 707	11 880	0 080		
+54000	20 00	54000	11 84	11 627	11 800	0 240		
+56000	20 00	56000	11 57	11 547	11 720	0 050		
+58000	20 00	58000	11 57	11 467	11 640	0 130		
+60000	20 00	60000	11 57	11 387	11 560	0 143		



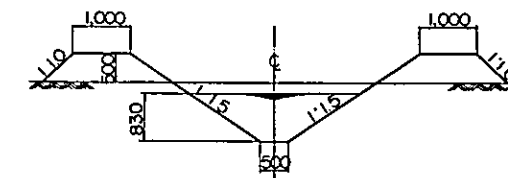
TYPICAL CROSS SECTION
of LATERAL A-I



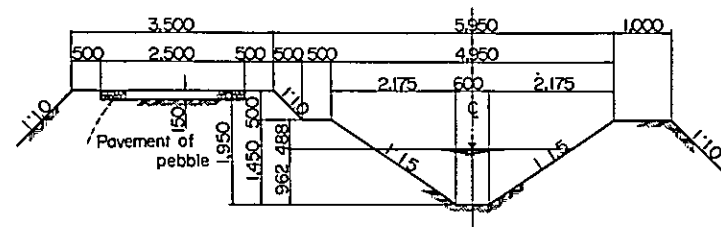
TYPICAL CROSS SECTION
of LATERAL A-V



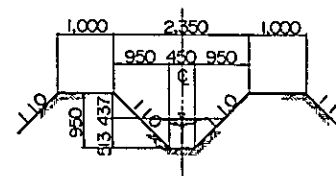
TYPICAL CROSS SECTION
of LATERAL B-I



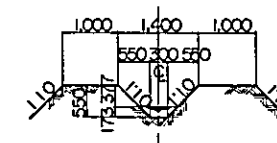
TYPICAL CROSS SECTION
of DRAINAGE CANAL



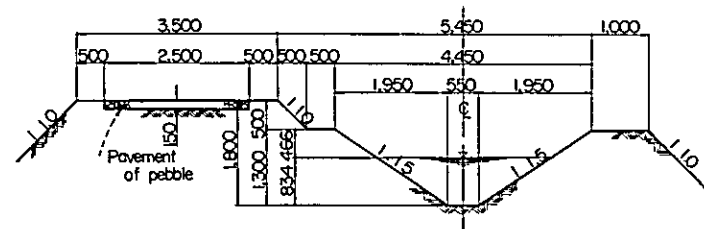
TYPICAL CROSS SECTION
of LATERAL A-II



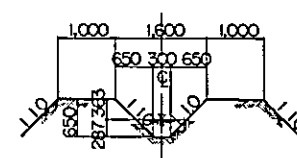
TYPICAL CROSS SECTION
of LATERAL Ai-I



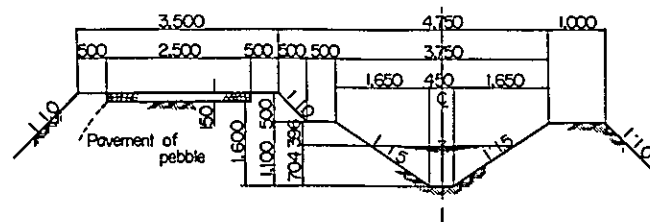
TYPICAL CROSS SECTION
of LATERAL B-II



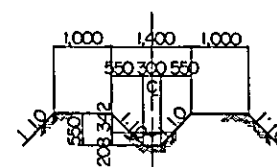
TYPICAL CROSS SECTION
of LATERAL A-III



TYPICAL CROSS SECTION
of LATERAL Ai-II



TYPICAL CROSS SECTION
of LATERAL A-IV

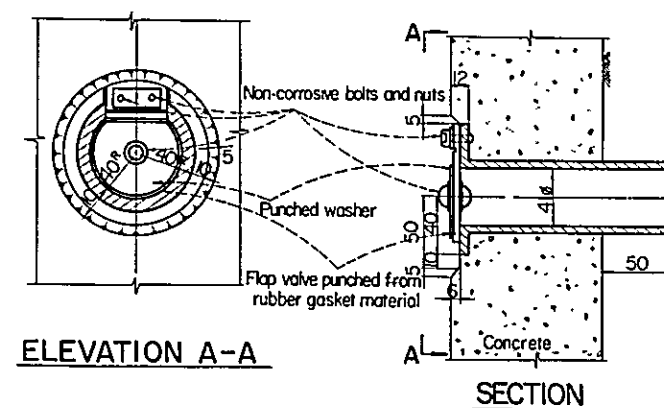
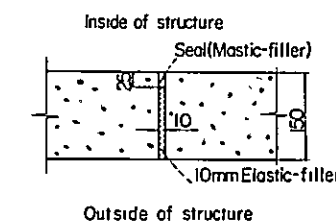
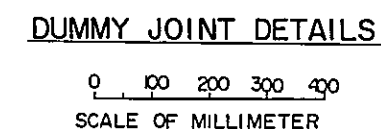
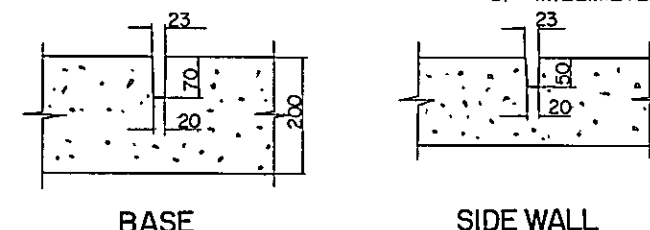
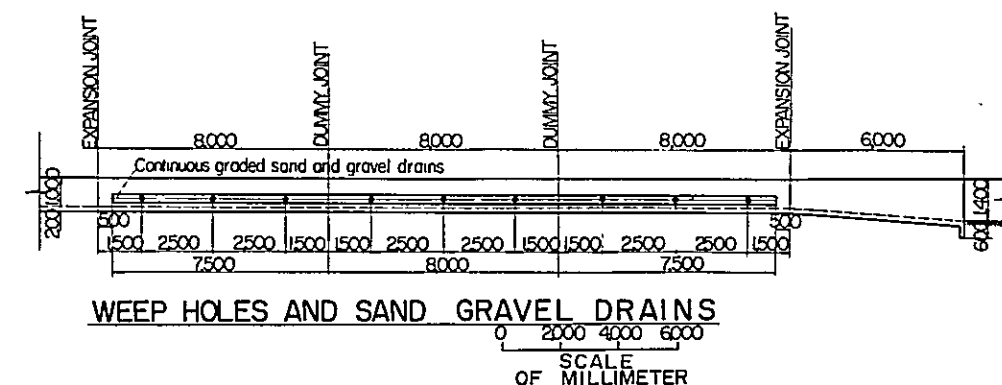
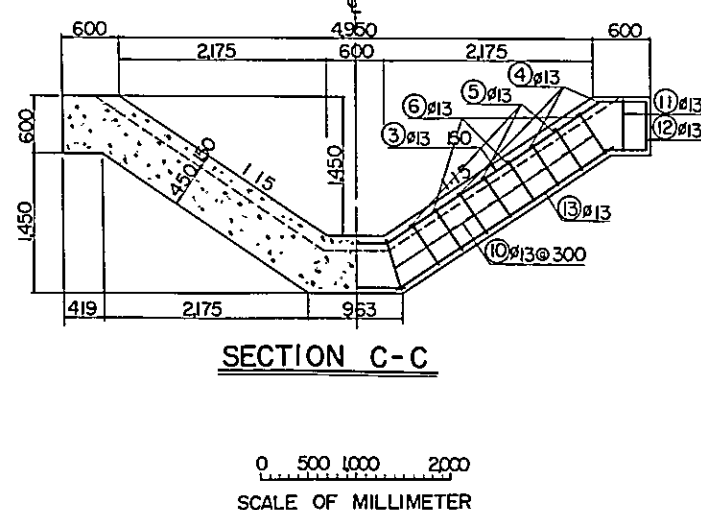
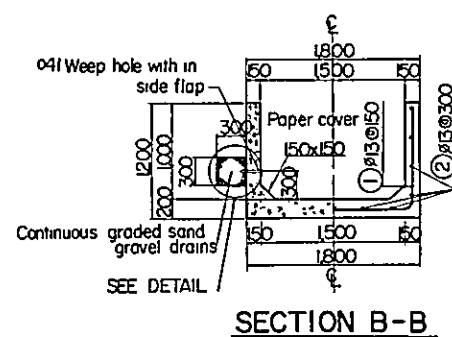
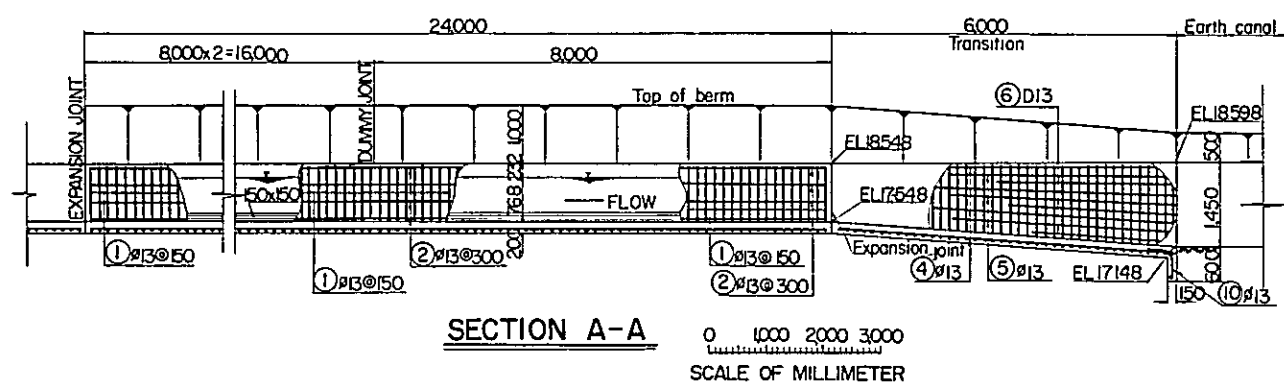
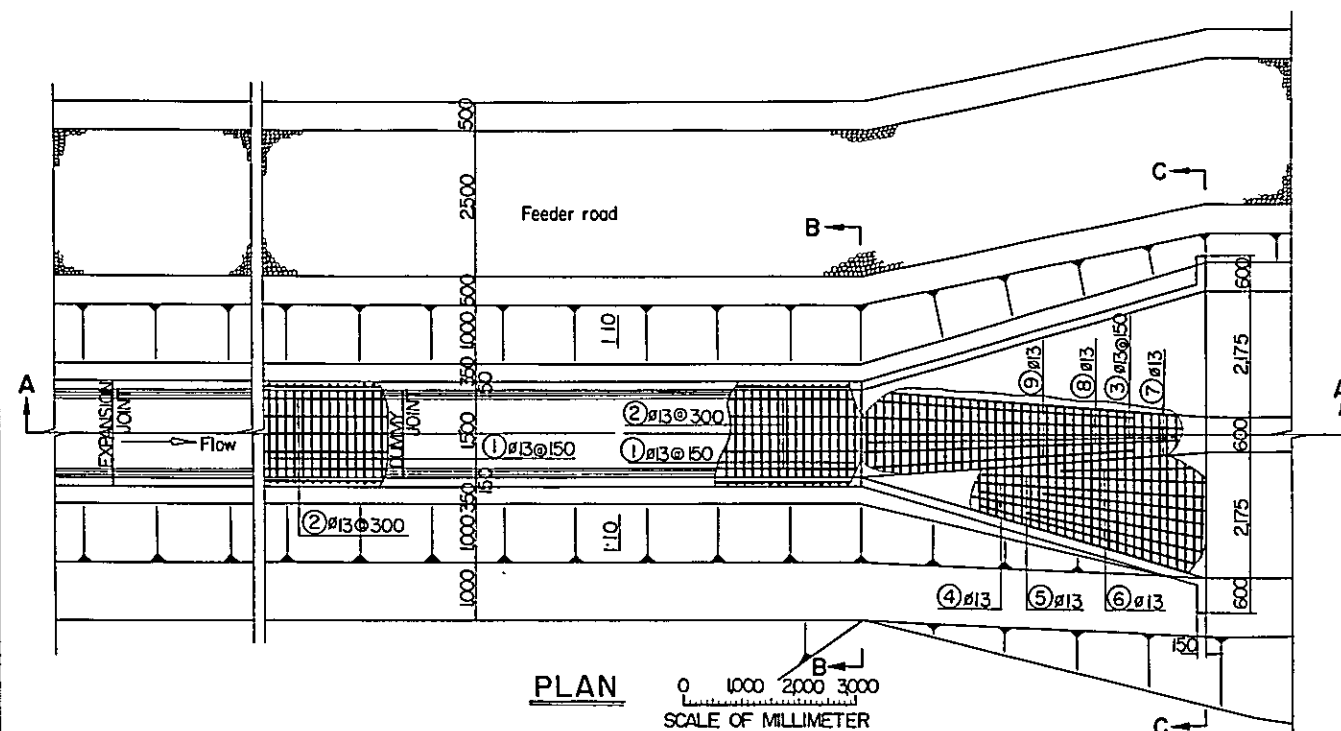


TYPICAL CROSS SECTION
of LATERAL Ai-III

NAME of CANAL	BOTTOM WIDTH	DEPTH of CANAL	SIDE SLOPE	HYDRAULIC GRADIENT	ROAD	DISCHARGE	TYPE of LINING
LATERAL A-I	1,500	1,000	1:0.0	900	3,500	1.344	CONCRETE LINING
LATERAL A-II	600	1,450	1:1.5	1,300	3,500	1.344	EARTH CANAL
LATERAL A-III	550	1,300	1:1.5	1,100	3,500	1.015	EARTH CANAL
LATERAL A-IV	450	1,100	1:1.5	900	3,500	0.713	EARTH CANAL
LATERAL A-V	450	900	1:1.0	600	3,500	0.346	EARTH CANAL
LATERAL Ai-I	450	950	1:1.0	600	1,000	0.329	EARTH CANAL
LATERAL Ai-II	300	650	1:1.0	450	1,000	0.090	EARTH CANAL
LATERAL Ai-III	300	550	1:1.0	450	1,000	0.048	EARTH CANAL
LATERAL B-I	300	750	1:1.0	400	1,000	0.165	EARTH CANAL
LATERAL B-II	300	550	1:1.0	250	1,000	0.045	EARTH CANAL
DRAINAGE CANAL	500	—	1:1.5	1,100	1,000	1,000	EARTH CANAL

0 1000 2000 3000 4000 5000
SCALE OF MILLIMETER

THE PHILIPPINES RICE AND CORN PRODUCTION COORDINATING COUNCIL REGIONAL RICE PRODUCTION CENTER SANMIGUEL- ALANGALANG LATERAL A, Ai, B AND DRAINAGE CANAL TYPICAL CROSS SECTION OVERSEAS TECHNICAL COOPERATION AGENCY GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO.	1 OF 1	DRAWING NO.	S-19

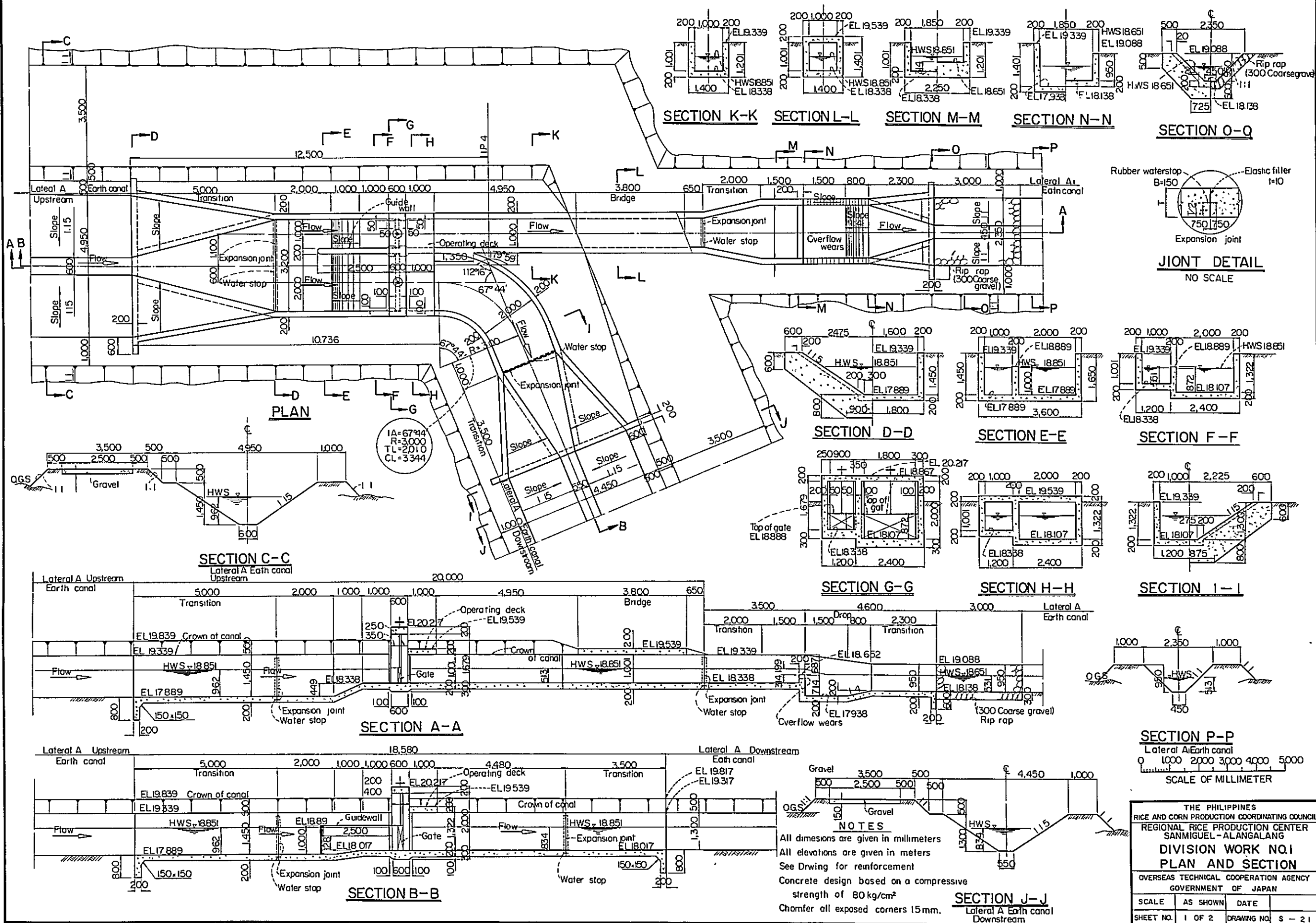


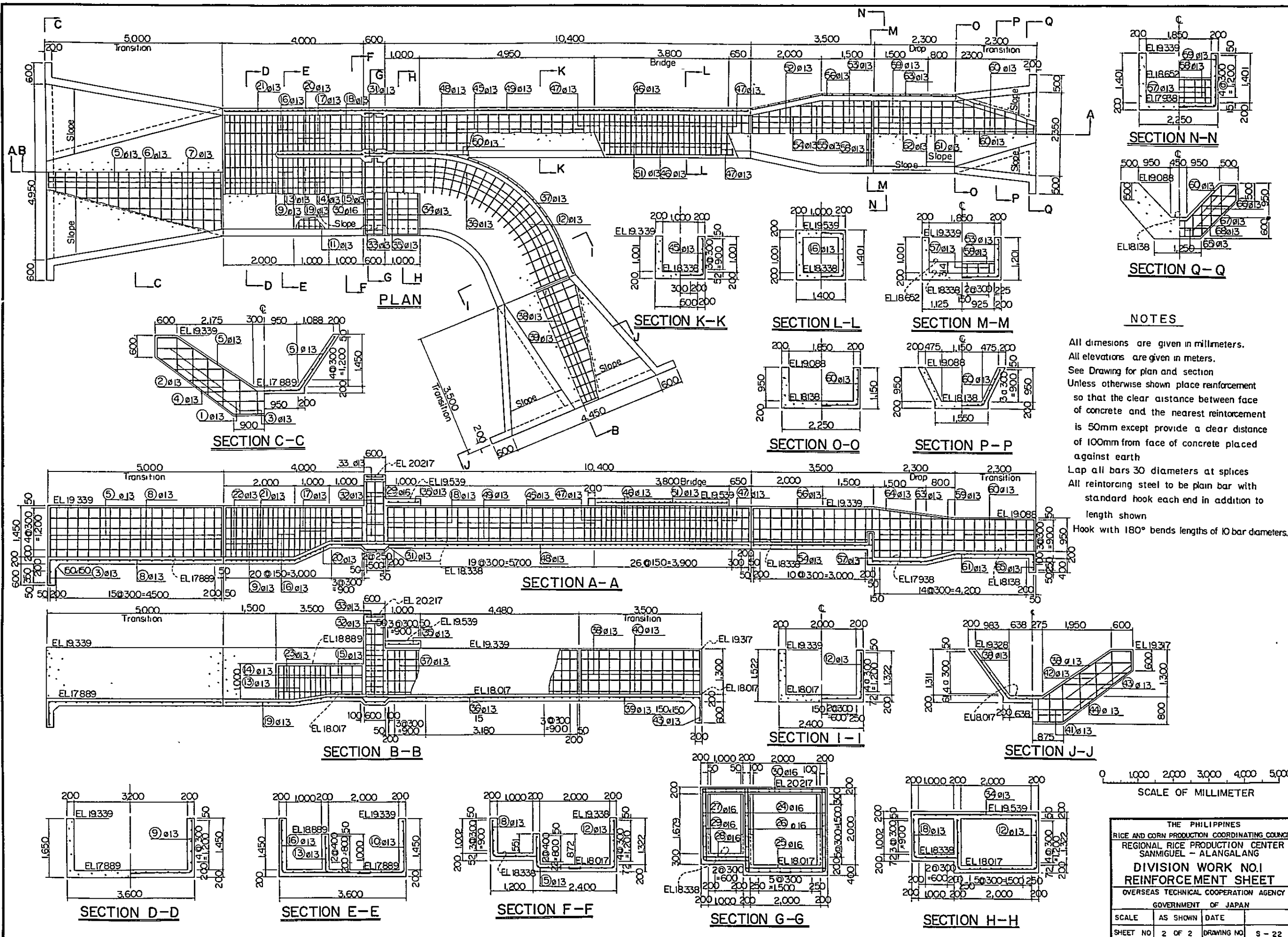
WEEP HOLE DETAIL

NOTES

- All dimensions are given in millimeters.
- All elevations are given in meters.
- Concrete design, except precast concrete pipe, based on a compressive strength of 80 kg/cm².
- Chamfer all exposed corners 15mm.
- Unless otherwise shown, place reinforcement so that the clear distance between face of concrete and the nearest reinforcement is 50mm, except provide a clear distance of 100mm from face of concrete placed against earth.
- Lap all bars 30 diameters at splices.
- All reinforcing steel to be plain bar with standard hook each end in addition to length shown.
- Hook with 180° bends, length to 10 bar diameters.

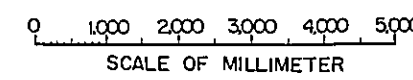
THE PHILIPPINES RICE AND CORN PRODUCTION COORDINATING COUNCIL			
REGIONAL RICE PRODUCTION CENTER SANMIGUEL- ALANGALANG			
FLUME AND TRANSITION PLAN, SECTION AND DETAILS			
OVERSEAS TECHNICAL COOPERATION AGENCY GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO.	1 OF 1	DRAWING NO.	S-20



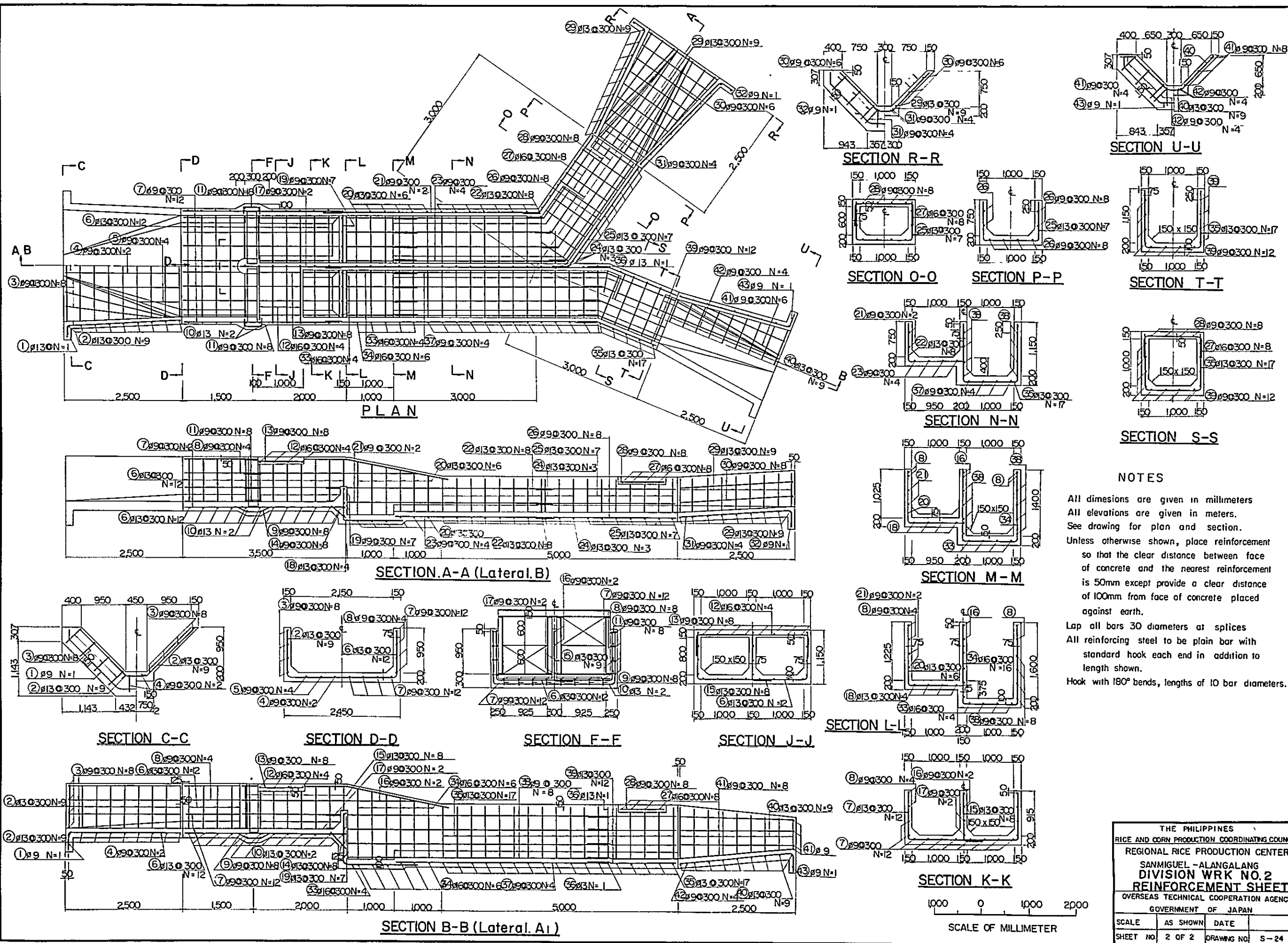


NOTES

All dimensions are given in millimeters.
 All elevations are given in meters.
 See Drawing for plan and section
 Unless otherwise shown place reinforcement
 so that the clear distance between face
 of concrete and the nearest reinforcement
 is 50mm except provide a clear distance
 of 100mm from face of concrete placed
 against earth
 Lap all bars 30 diameters at splices
 All reinforcing steel to be plain bar with
 standard hook each end in addition to
 length shown
 Hook with 180° bends lengths of 10 bar diameters.



THE PHILIPPINES RICE AND CORN PRODUCTION COORDINATING COUNCIL REGIONAL RICE PRODUCTION CENTER SANMIGUEL - ALANGALANG DIVISION WORK NO.1 REINFORCEMENT SHEET OVERSEAS TECHNICAL COOPERATION AGENCY GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO	2 OF 2	DRAWING NO	S - 22

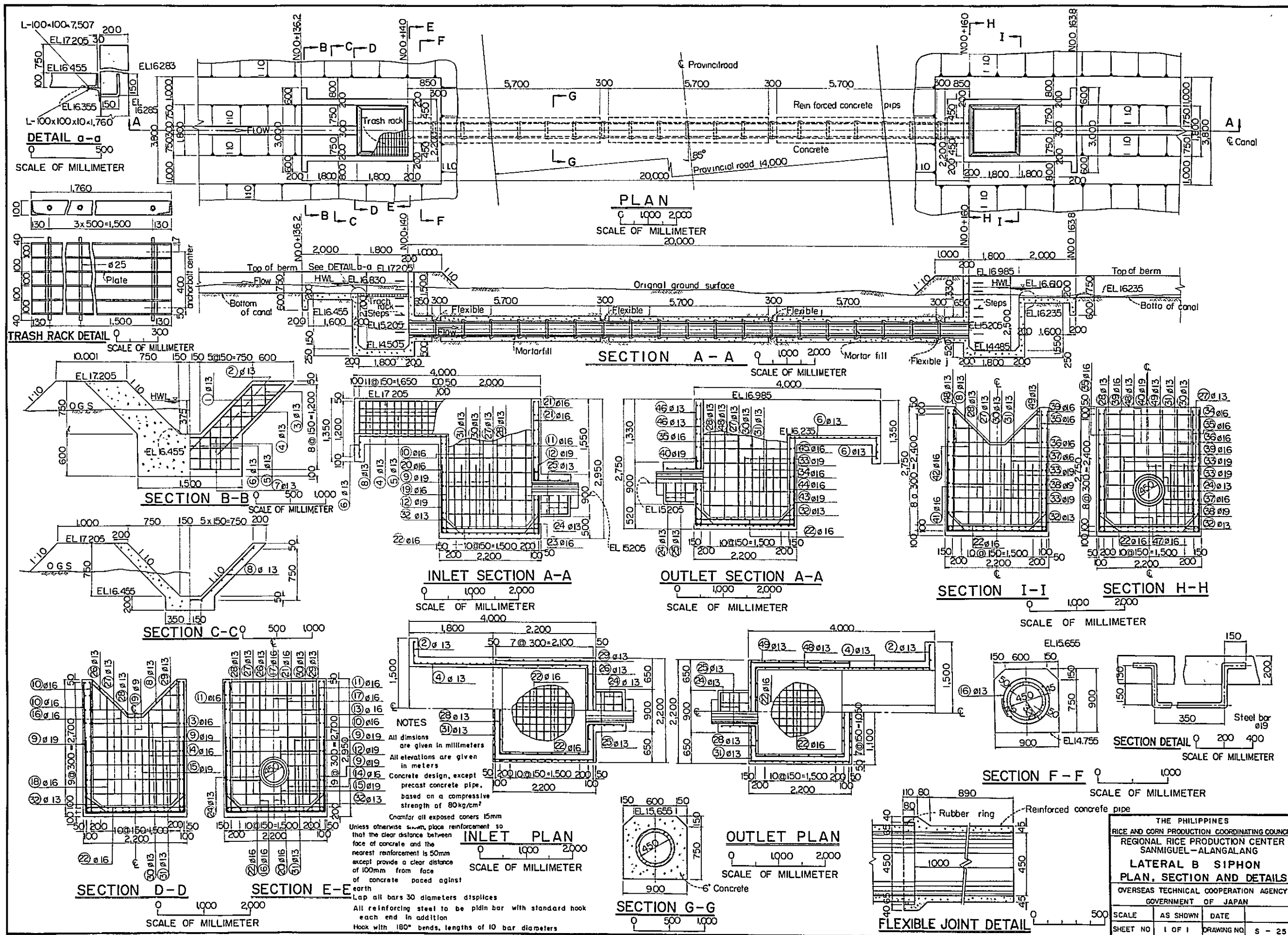


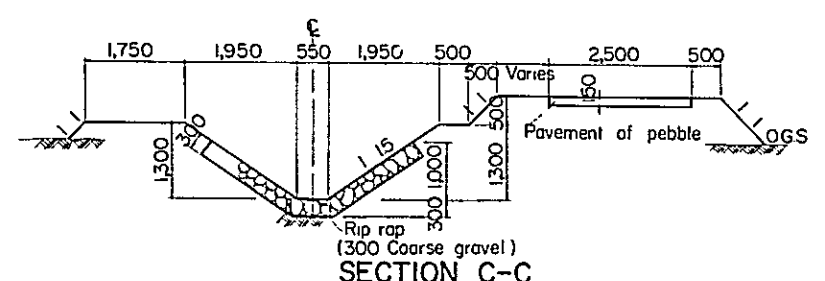
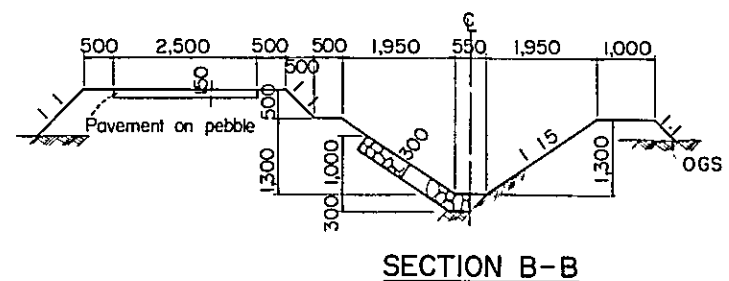
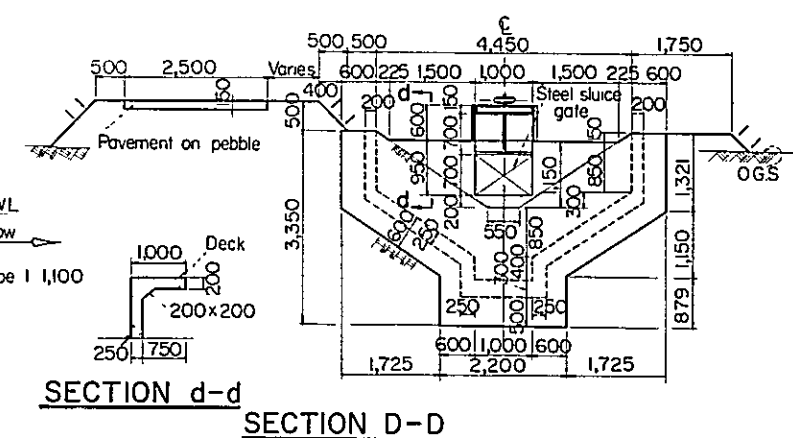
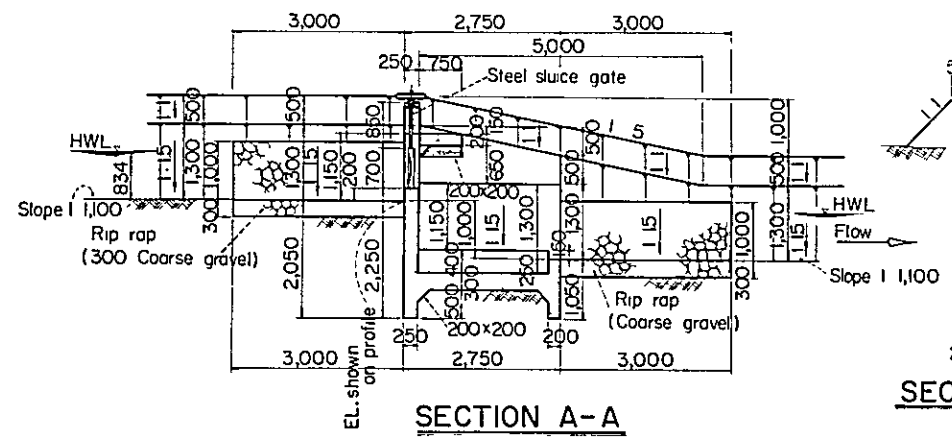
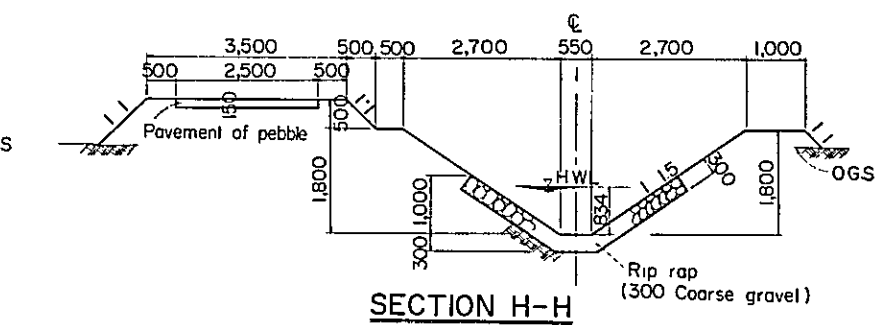
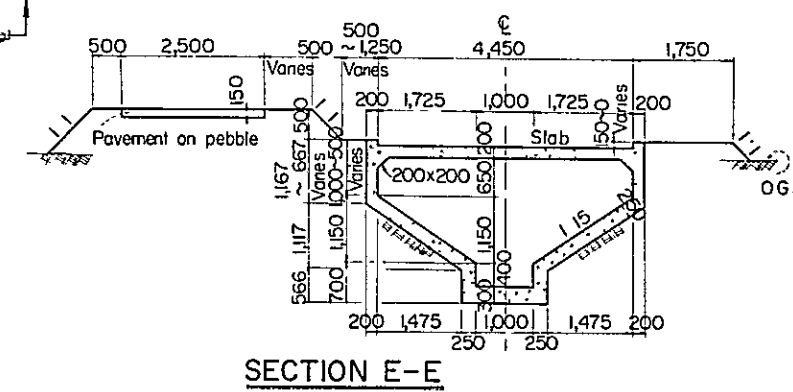
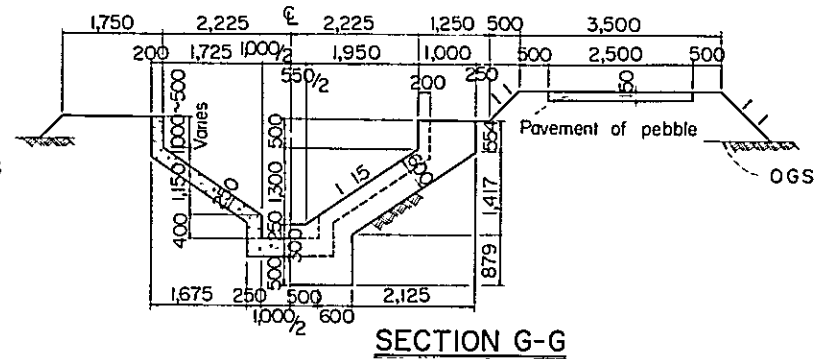
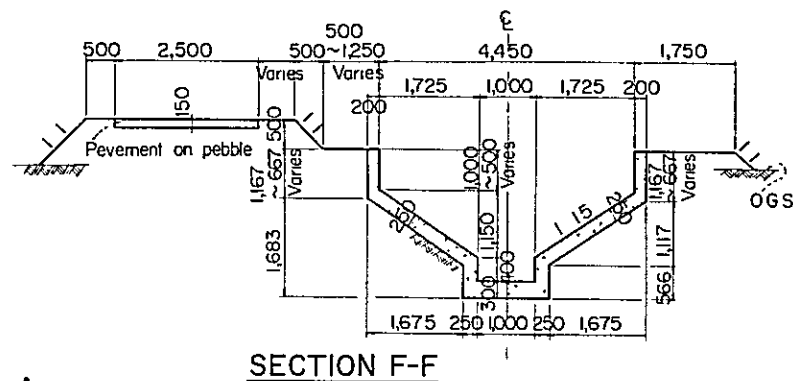
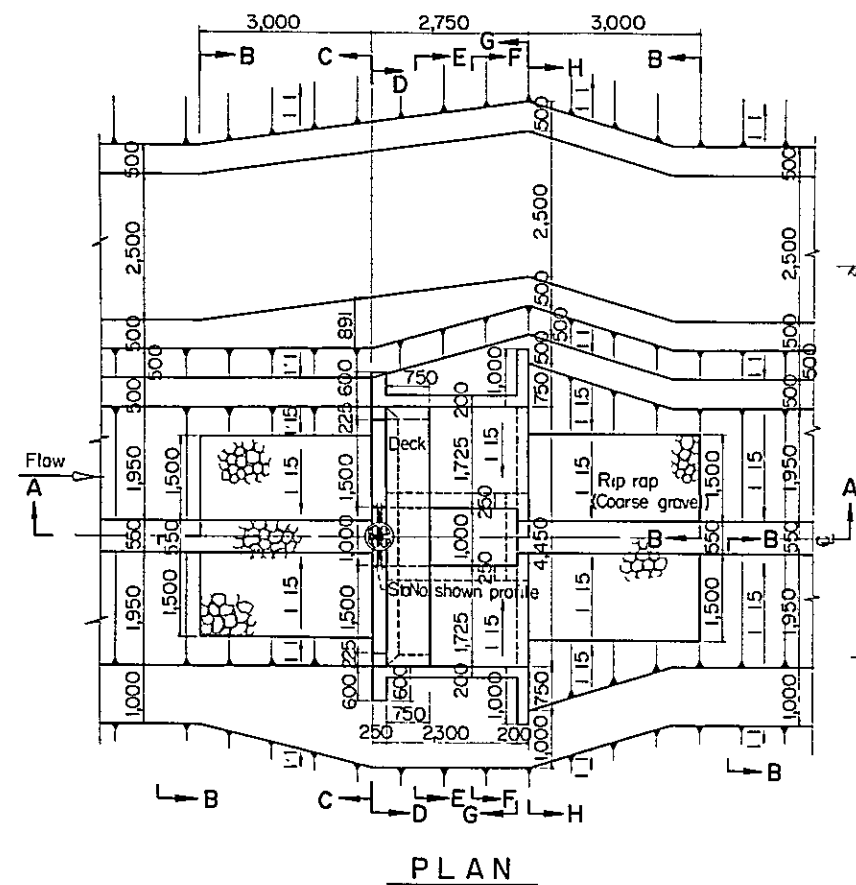
NOTES

All dimensions are given in millimeters
 All elevations are given in meters.
 See drawing for plan and section.
 Unless otherwise shown, place reinforcement so that the clear distance between face of concrete and the nearest reinforcement is 50mm except provide a clear distance of 100mm from face of concrete placed against earth.

Lap all bars 30 diameters at splices
 All reinforcing steel to be plain bar with standard hook each end in addition to length shown.
 Hook with 180° bends, lengths of 10 bar diameters.

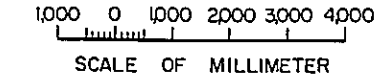
THE PHILIPPINES			
RICE AND CORN PRODUCTION COORDINATING COUNCIL			
REGIONAL RICE PRODUCTION CENTER			
SANMIGUEL - ALANGALANG			
DIVISION WRK NO.2			
REINFORCEMENT SHEET			
OVERSEAS TECHNICAL COOPERATION AGENCY			
GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO.	2 OF 2	DRAWING NO.	S-24



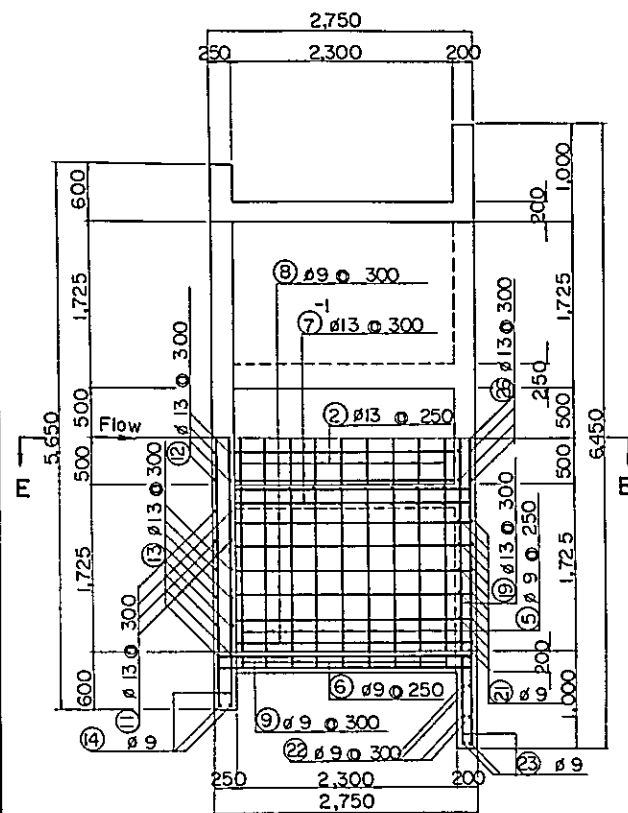


NOTES

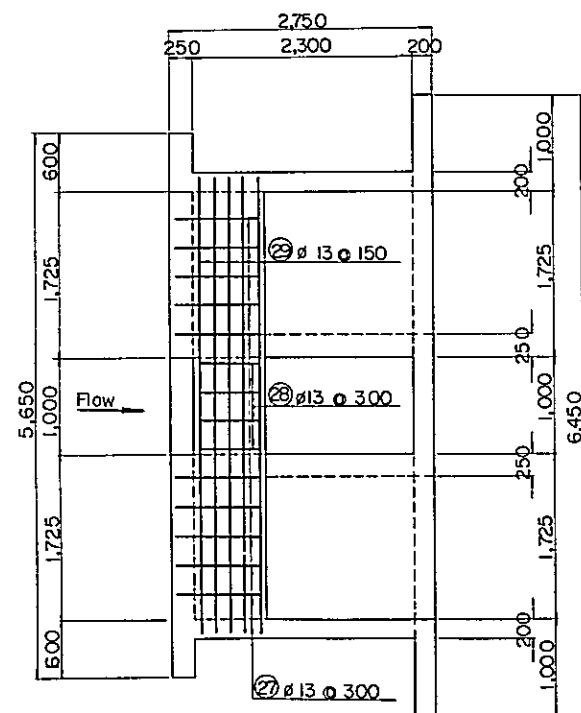
All dimensions are given in millimeters.
See drawing for reinforcement.
Concrete design based on a compressive strength of 80kg/cm²
Chamfer all exposed Corners 15 mm



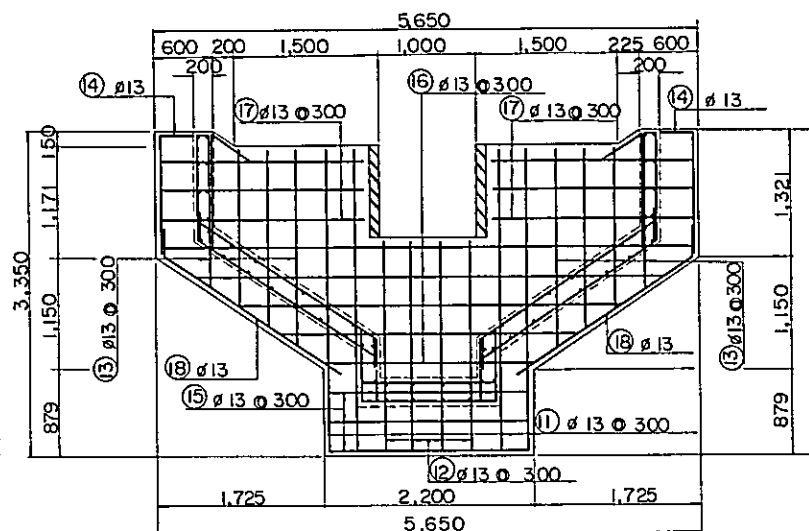
THE PHILIPPINES RICE AND CORN PRODUCTION COORDINATING COUNCIL REGIONAL RICE PRODUCTION CENTER SANMIGUEL - ALANGALANG			
LATERAL A DROP NO.1, NO.2 PLAN AND SECTION			
OVERSEAS TECHNICAL COOPERATION AGENCY GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO.	1 OF 2	DRAWING NO.	S - 26



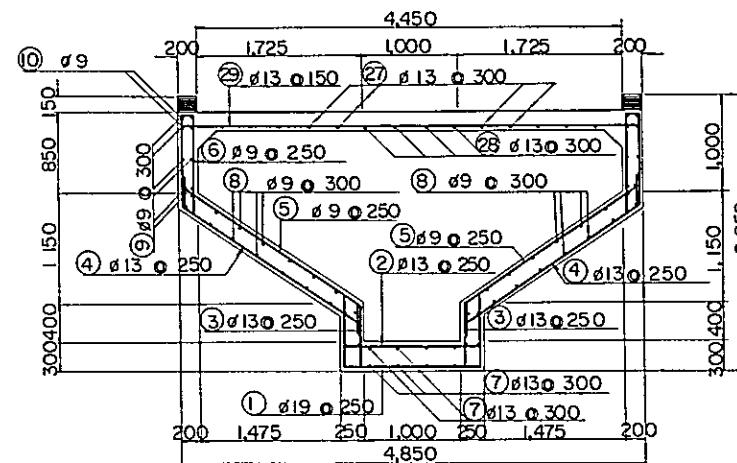
PLAN



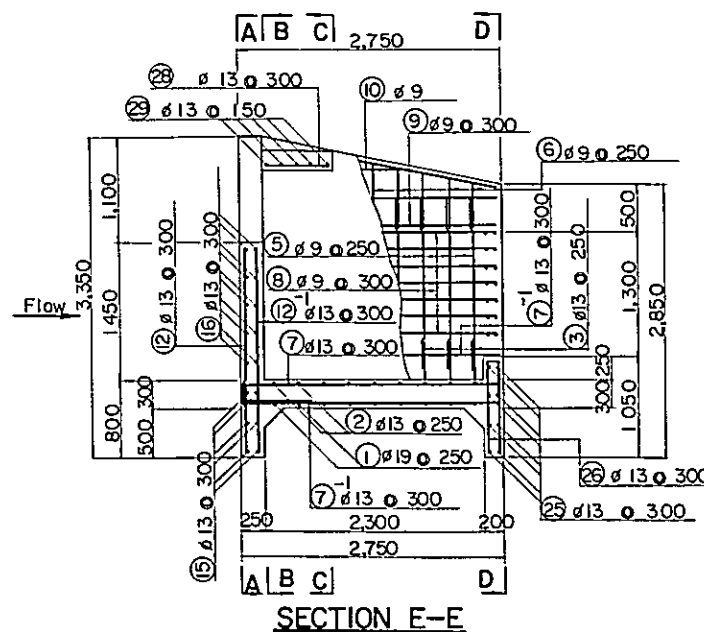
PLAN OF DECK REINFORCEMENT



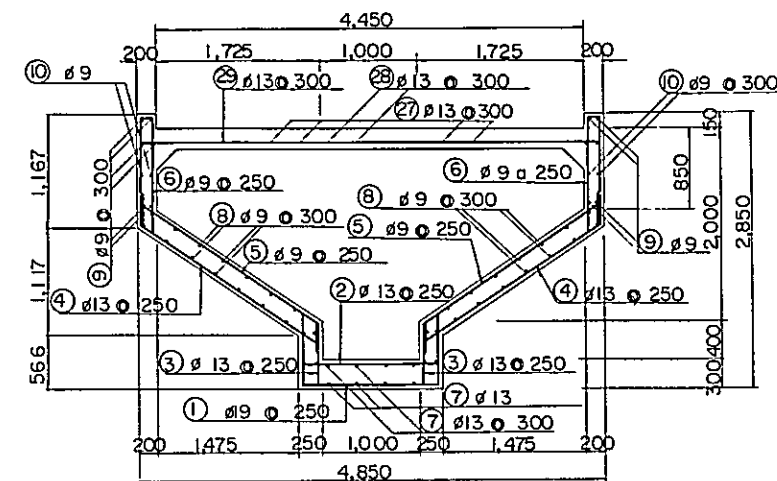
SECTION A-A



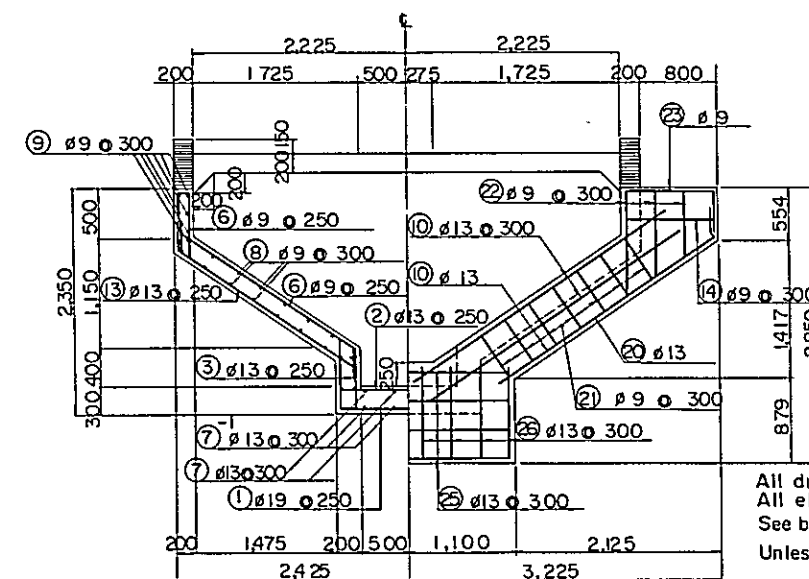
SECTION C-C



SECTION E-E



SECTION B-B



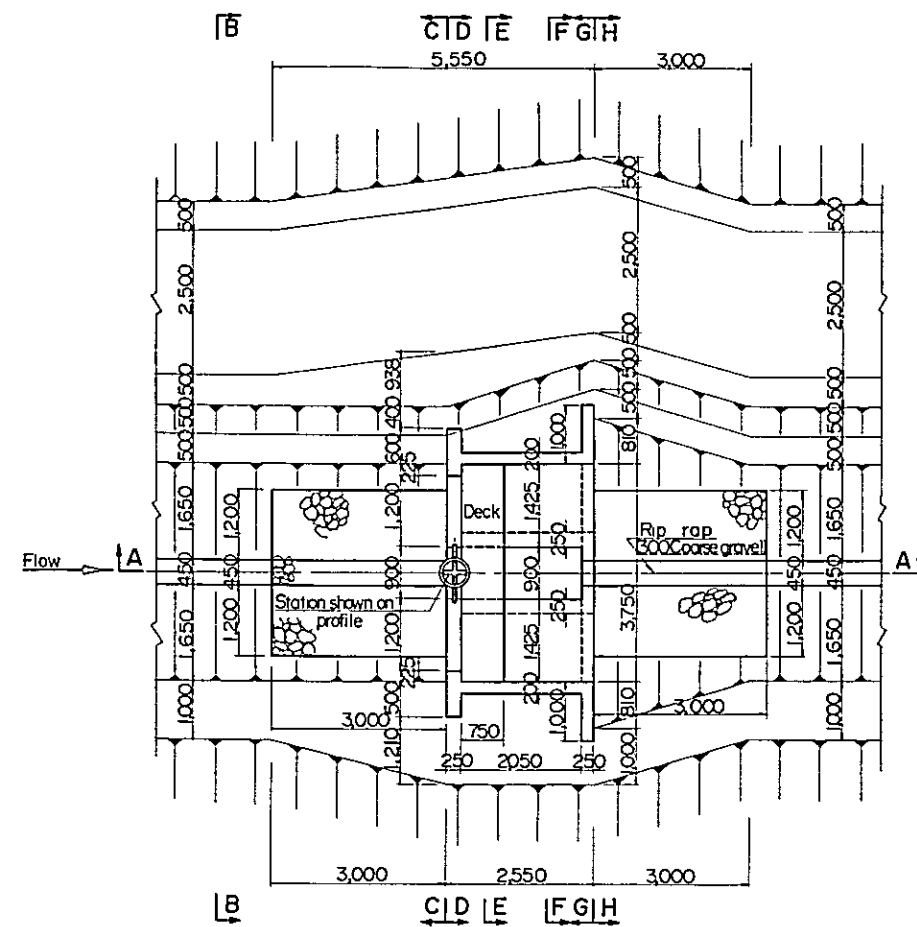
SECTION D-D

NOTES

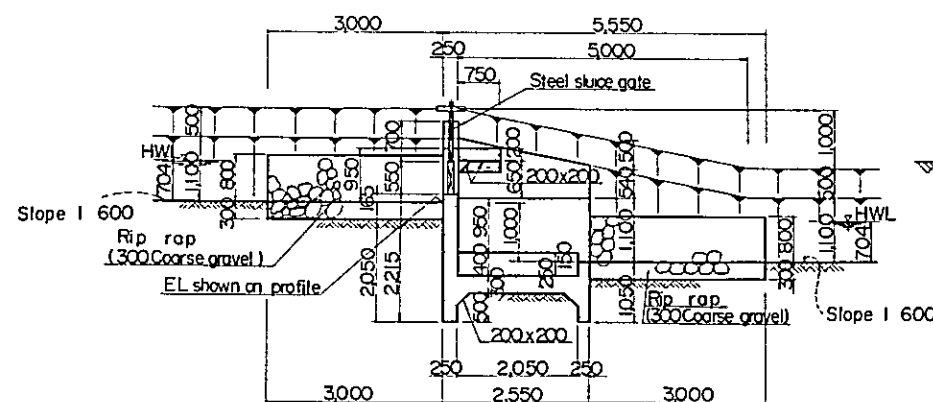
- All dimensions are given in millimeters
- All elevations are given meters
- See drawing for plan and section
- Unless otherwise shown place reinforcement so that the clear distance between face of concrete and the nearest reinforcement is 50mm except provide a clear distance of 100mm from face of concrete placed against earth
- Lap all bars 30 diameters at splices
- All reinforcing steel to be plain bar with standard hook each end in addition to length shown
- Hook with 180° bends lengths of 10 bar diameters.

1,000 0,000 1,000 2,000 3,000
SCALE OF MILLIMETERS

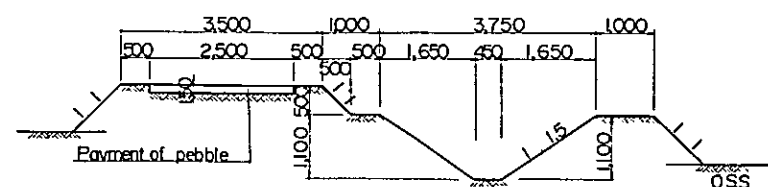
THE PHILIPPINES	
RICE AND CORN PRODUCTION COORDINATING COUNCIL	
REGIONAL RICE PRODUCTION CENTER	
SAN MIGUEL - ALANGALANG	
LATERAL A DROP NO.1, NO.2	
REINFORCEMENT SHEET	
OVERSEAS TECHNICAL COOPERATION AGENCY	
GOVERNMENT OF JAPAN	
SCALE	DATE
SHEET NO. 2 OF 2	DRAWING NO. S-27



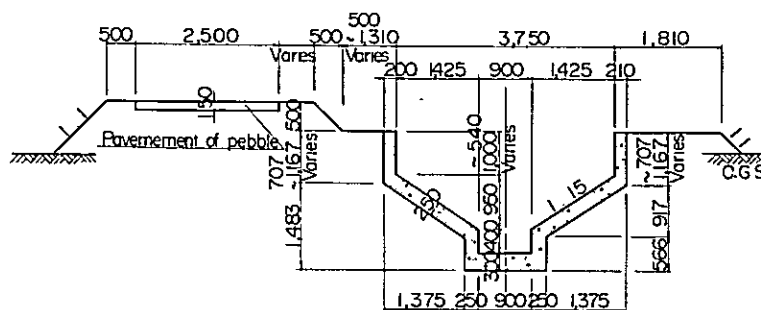
PLAN



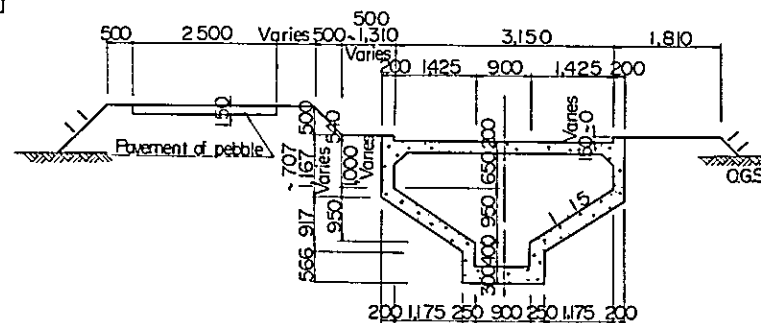
SECTION A-A



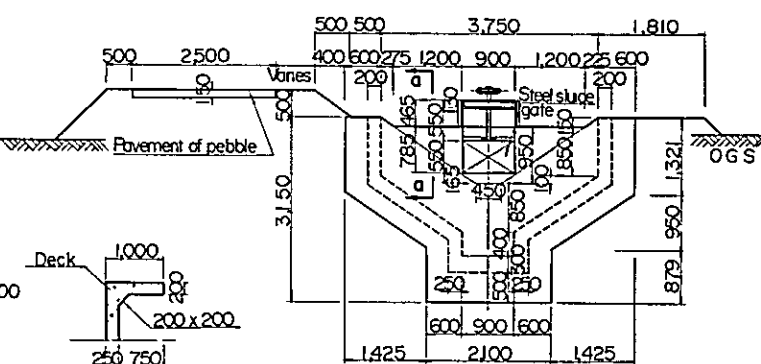
SECTION B-B



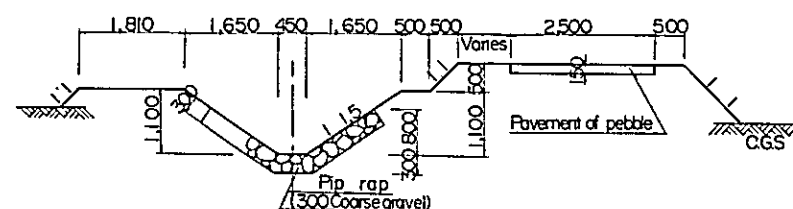
SECTION F-F



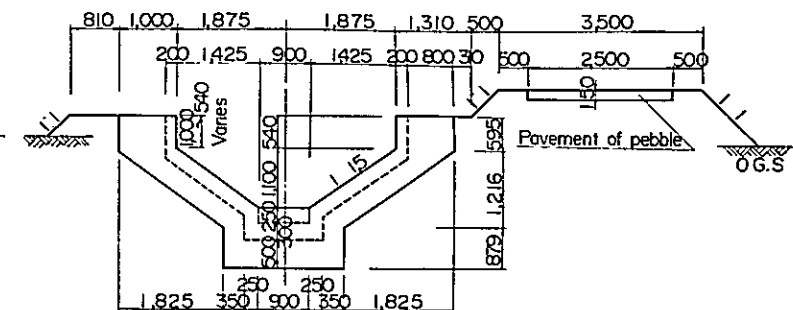
SECTION E-E



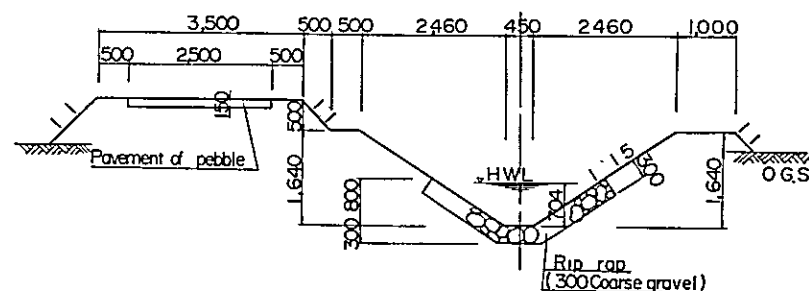
SECTION D-D



SECTION C-C



SECTION G-G



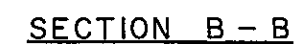
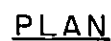
SECTION H-H

NOTES

All dimensions are given in millimeters
See drawing for reinforcement
Concrete design based on a compressive strength of 80 kg/cm².
Chamfer all exposed corners 15 mm.

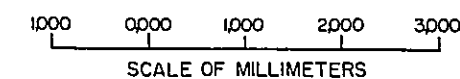
1000 0 1000 2000 3000 4000
SCALE OF MILLIMETER

THE PHILIPPINES			
RICE AND CORN PRODUCTION COORDINATING COUNCIL			
REGIONAL RICE PRODUCTION CENTER			
SANMIGUEL - ALANGALANG			
LATERAL A DROP NO.3			
PLAN NO. SECTION			
OVERSEAS TECHNICAL COOPERATION AGENCY			
GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO.	1 OF 2	DRAWING NO.	S-28



All dimensions are given in millimeters
See Drawing for plan and section
Unless otherwise shown place reinforcement
so that the clear distance between face
of concrete and the nearest reinforcement
is 50mm except provide a clear distance
of 100mm from face of concrete placed
against earth.

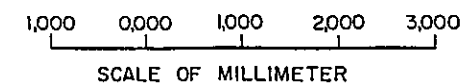
Lap all bars 30 diameters at splices
All reinforcing steel to be plain bar with
standard hook each end in addition to
length shown
Hook with 180° bends, lengths of 10 bar diameters.



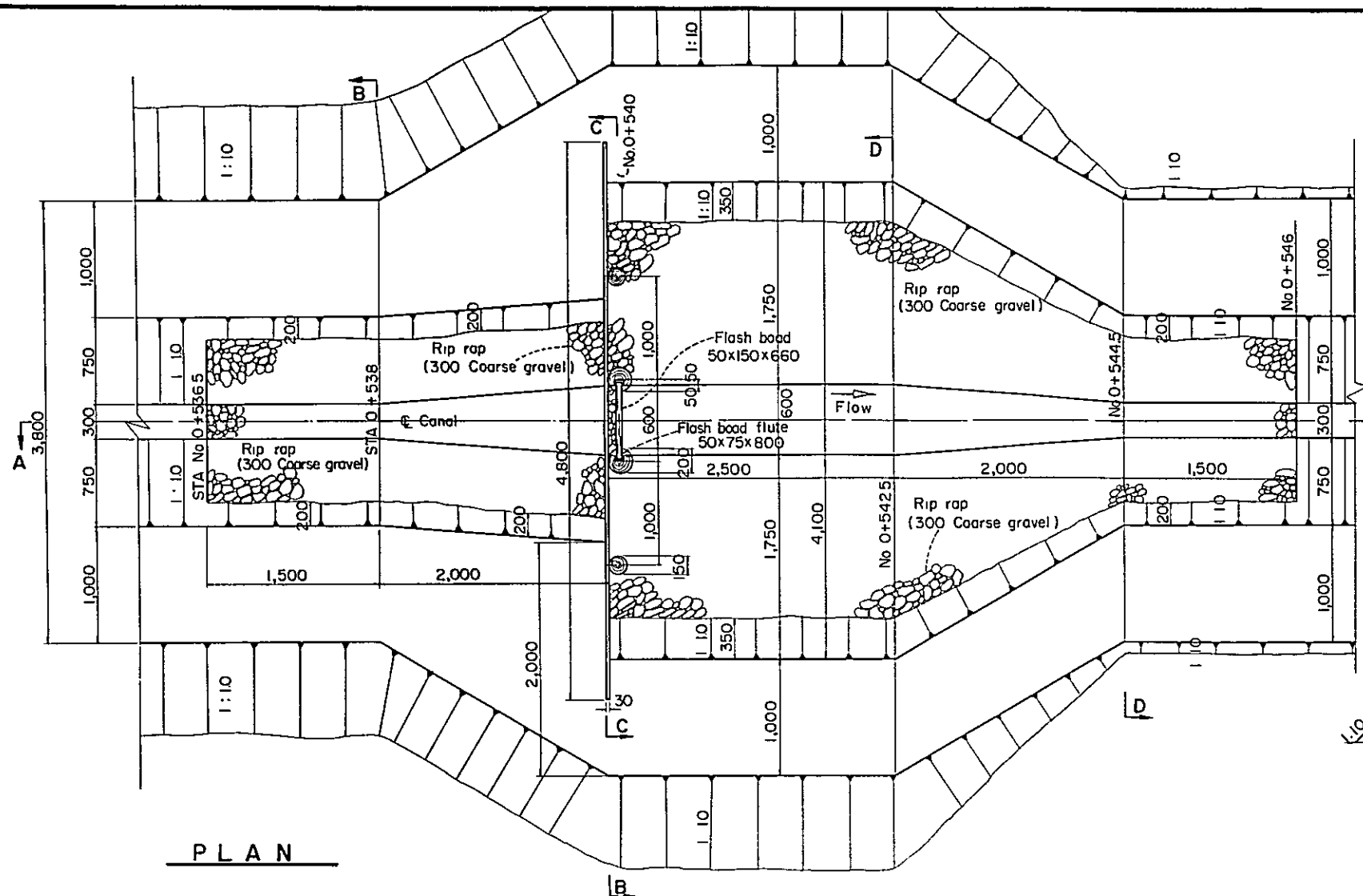
THE PHILIPPINES			
RICE AND CORN PRODUCTION COORDINATING COUNCIL			
REGIONAL RICE PRODUCTION CENTER			
SANMIGUEL - ALANGALANG			
LATERAL A DROP NO. 3			
RFINFORCEMENT SHEET			
OVERSEAS TECHNICAL COOPERATION AGENCY			
GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO.	2 OF 2	DRAWING NO.	S - 29



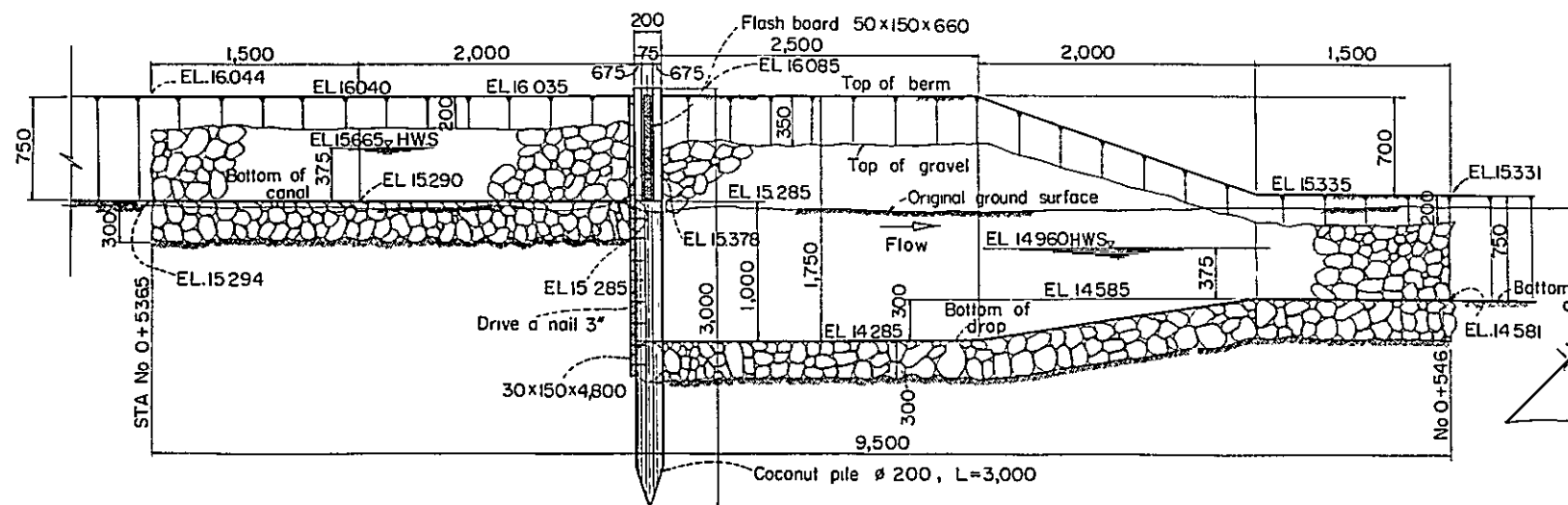
All dimensions are given in millimeters.
See drawing for plan and section
Unless otherwise shown place reinforcement
so that the clear distance between face
of concrete and the nearest reinforcement
is 50^{mm} except provide a clear distance
of 100^{mm} from face of concrete placed
against earth.
Lap all bars 30 diameters at splices.
All reinforcing steel to be plain bar with
standard hook each end in addition to
length shown.
Hook with 180° bends, lengths of 10 bar diameters.



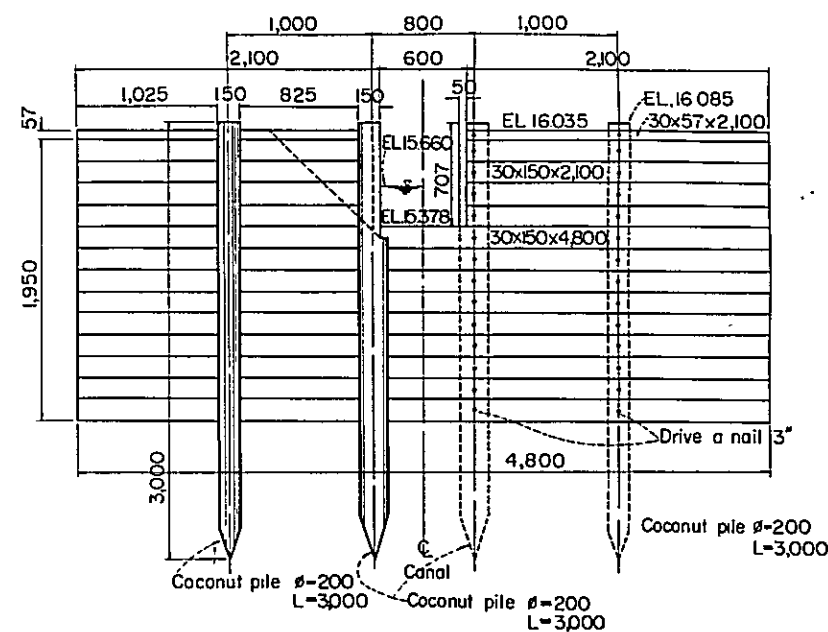
THE PHILIPPINES			
RICE AND CORN PRODUCTION COORDINATING COUNCIL			
REGIONAL RICE PRODUCTION CENTER			
SAN MIGUEL - ALANGALANG			
LATERAL A DROP NO4			
REINFORCEMENT SHEET			
OVERSEAS TECHNICAL COOPERATION AGENCY			
GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO.	2 OF 2	DRAWING NO.	S-31



PLAN

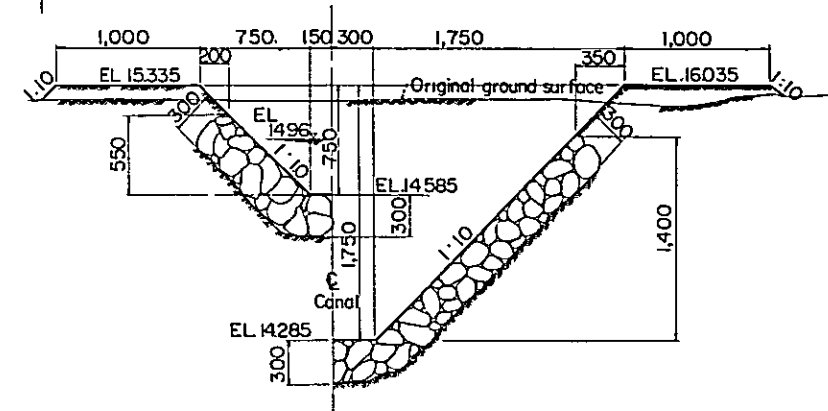


SECTION A-A

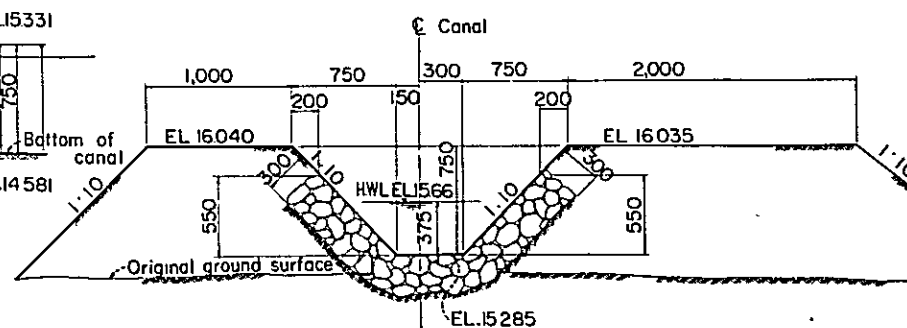


ELEVATION C-C

SECTION C-C



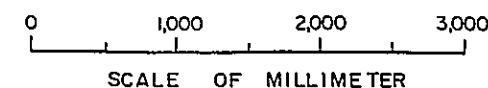
SECTION D-D



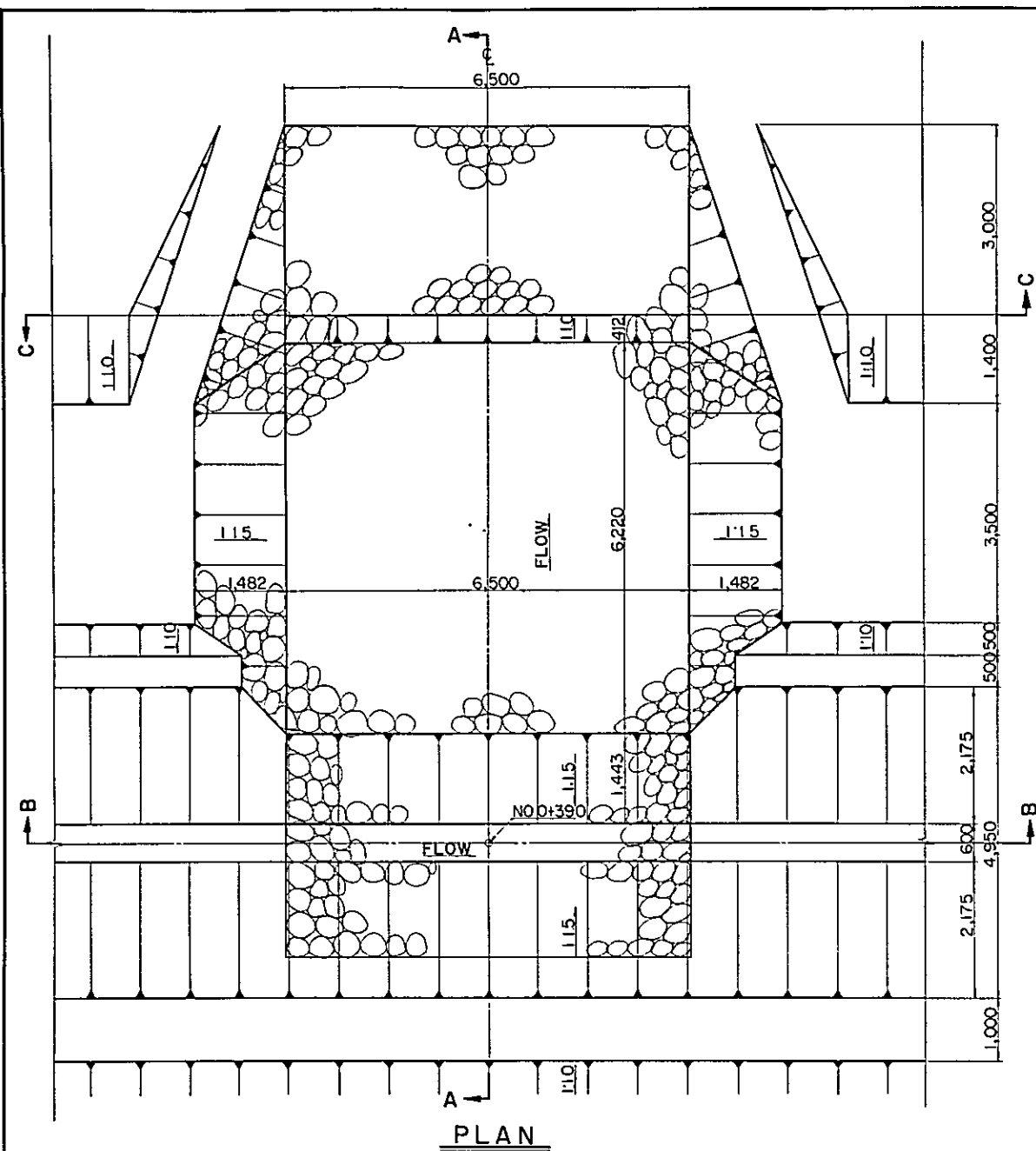
SECTION B-B

NOTES

All dimensions are given in millimeters.
All stations and elevations are given in meters



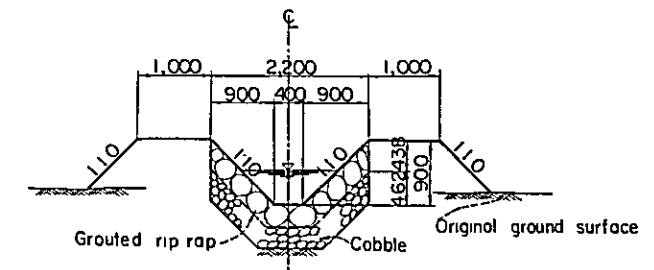
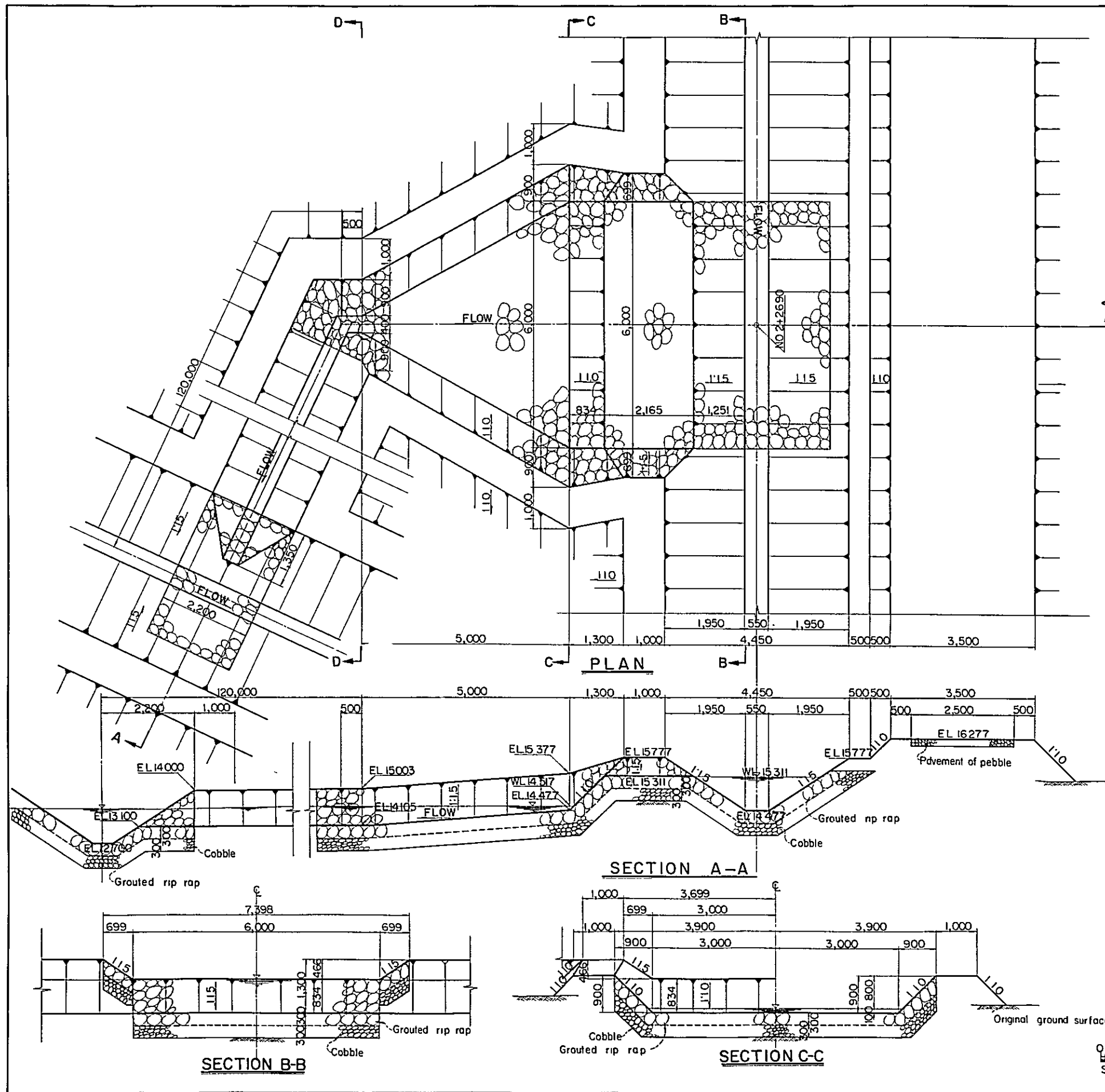
THE PHILIPPINES RICE AND CORN PRODUCTION COORDINATING COUNCIL REGIONAL RICE PRODUCTION CENTER SANMIGUEL - ALANGALANG LATERAL B DROP PLAN AND SECTION OVERSEAS TECHNICAL COOPERATION AGENCY GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO.	1 OF 1	DRAWING NO.	S - 32



NOTES

All dimensions are given in millimeters
All elevations are given in meters

THE PHILIPPINES			
RICE AND CORN PRODUCTION COORDINATING COUNCIL			
REGIONAL RICE PRODUCTION CENTER			
SAN MIGUEL - ALANGALANG			
LATERAL A WASTEWAY NO. I			
PLAN AND SECTION			
OVERSEAS TECHNICAL COOPERATION AGENCY			
GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO	1 OF 1	DRAWING NO	S-33

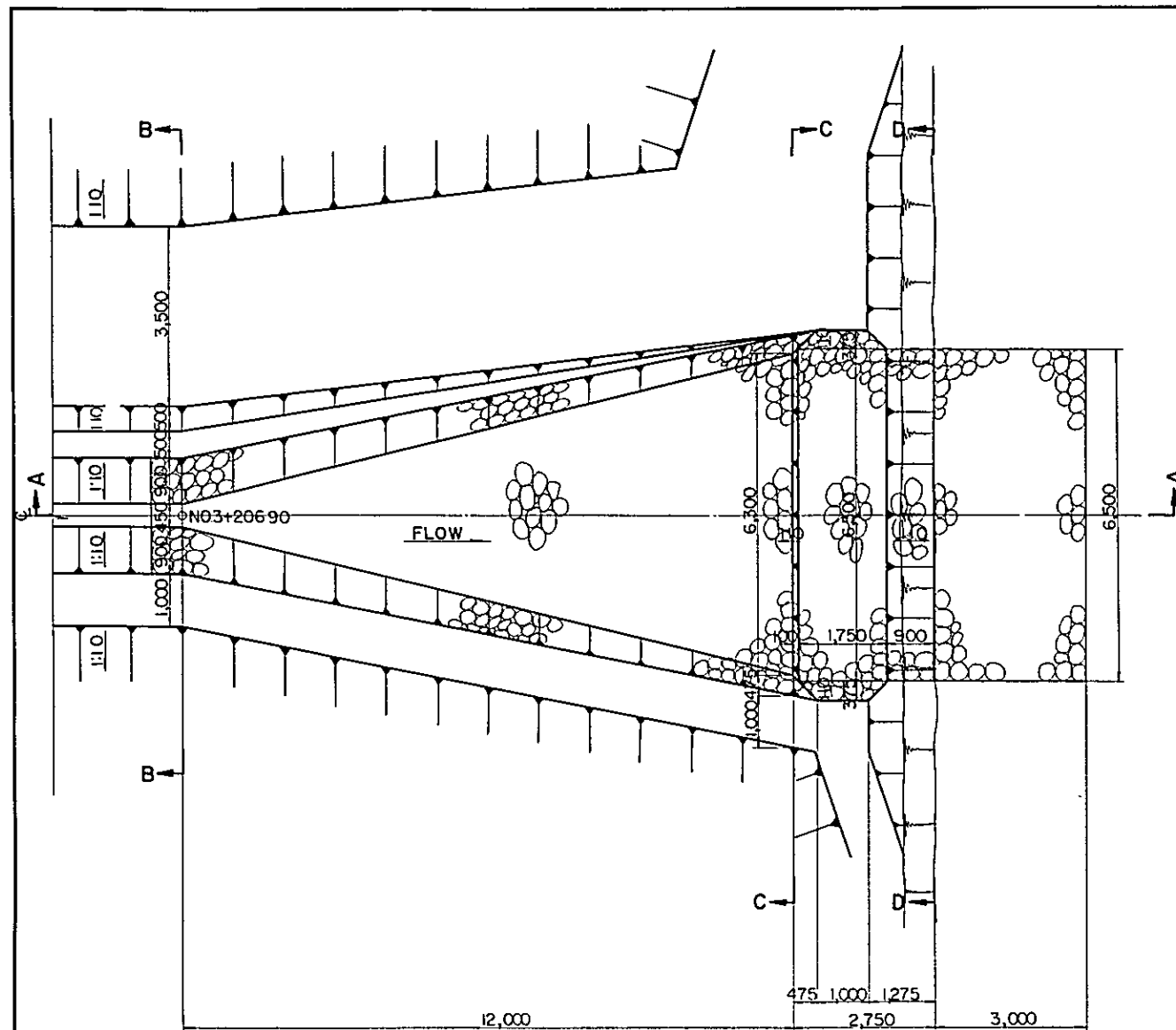


NOTES

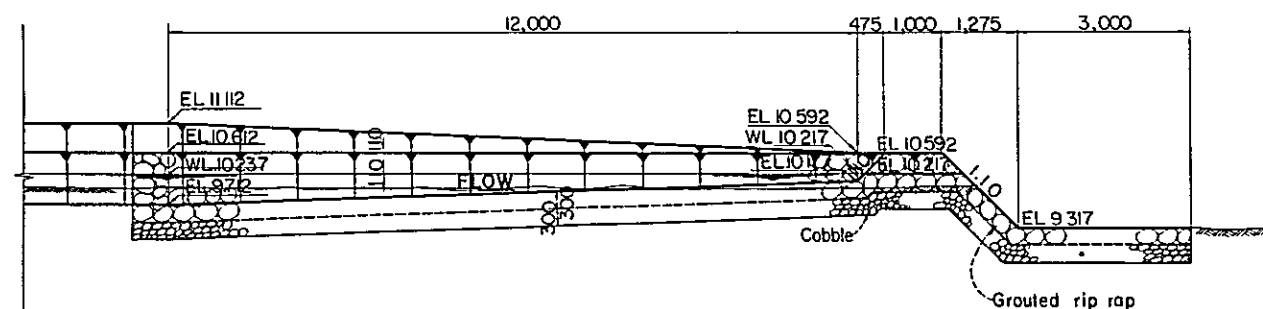
All dimensions are given in millimeters
All elevations are given in meters.

THE PHILIPPINES RICE AND CORN PRODUCTION COORDINATING COUNCIL			
REGIONAL RICE PRODUCTION CENTER SAN MIGUEL - ALANGALANG			
LATERAL A WASTEWAY NO. 2 PLAN AND SECTION			
OVERSEAS TECHNICAL COOPERATION AGENCY GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO.	1 OF 1	DRAWING NO.	S-34

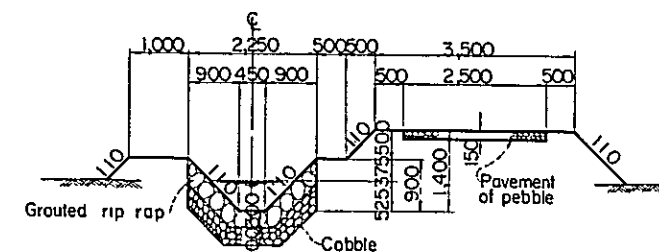
0 1000 2000 3000
SCALE OF MILLIMETER



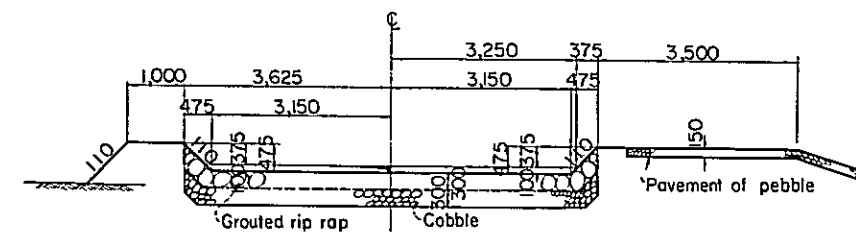
PLAN



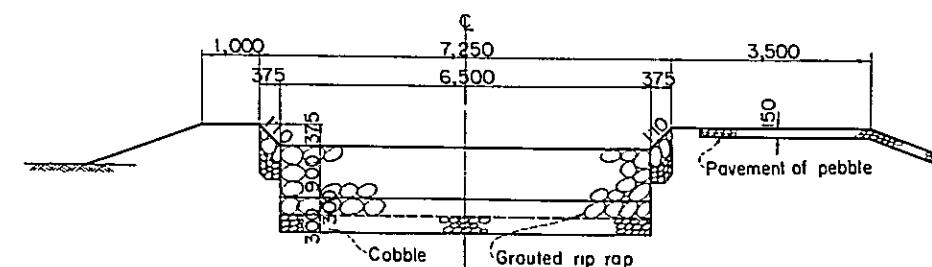
SECTION A-A



SECTION B-B



SECTION C-C



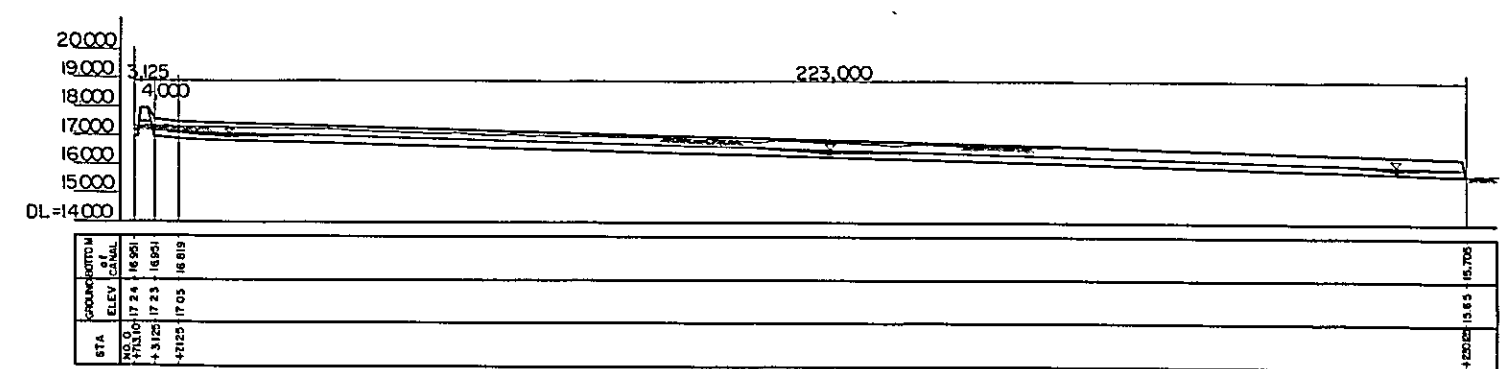
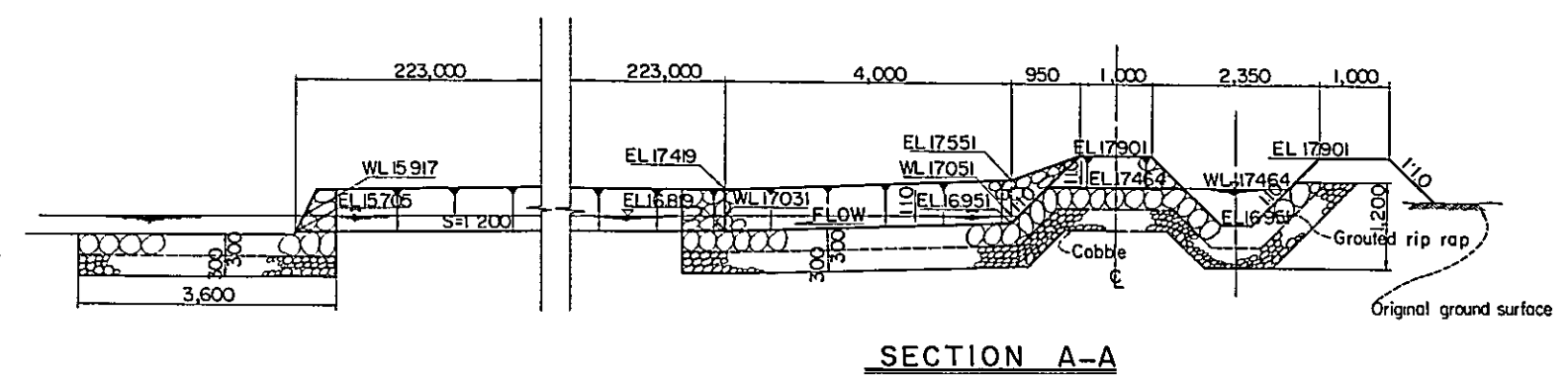
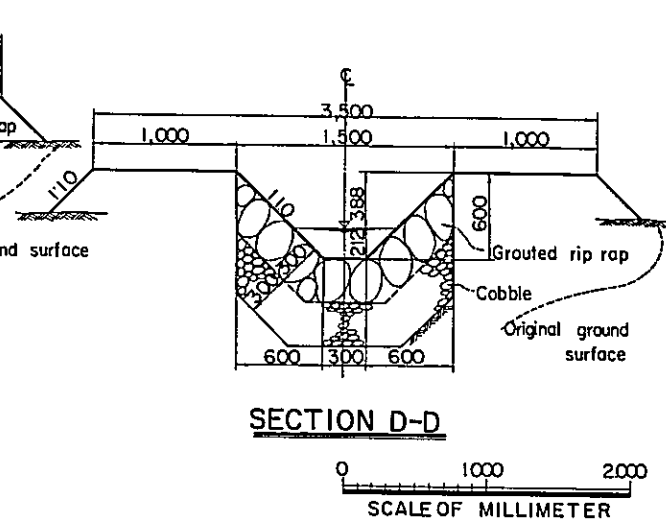
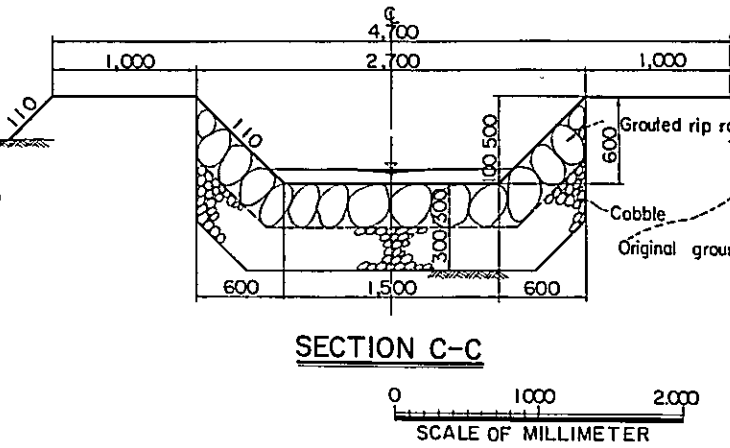
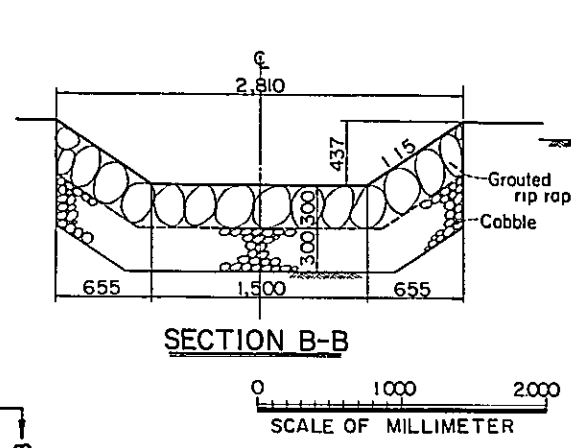
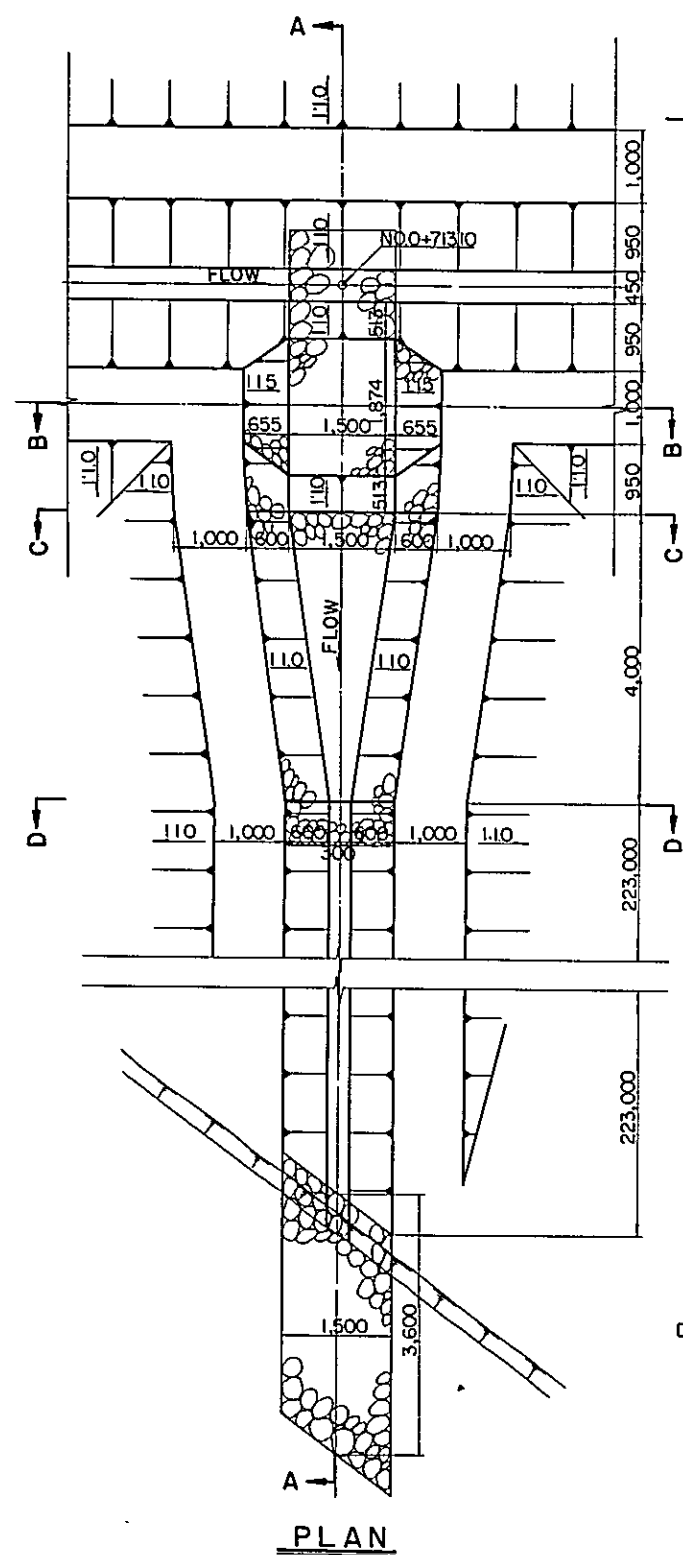
SECTION D-D

NOTES

All dimensions are given in millimeters
All elevations are given in meters.

0 1000 2000 3000 4000
SCALE OF MILLIMETER

THE PHILIPPINES			
RICE AND CORN PRODUCTION COORDINATING COUNCIL			
REGIONAL RICE PRODUCTION CENTER			
SANMIGUEL - ALANGALANG			
LATERAL A WASTEWAY NO.4			
PLAN AND SECTION			
OVERSEAS TECHNICAL COOPERATION AGENCY			
GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO	1 OF 1	DRAWING NO	S - 36



STA	ELEV CANAL	ELEV GROUND
0+000	17.24	16.901
0+125	17.23	16.901
0+250	17.05	16.819
0+375	17.05	16.819
0+500	17.05	16.819
0+625	17.05	16.819
0+750	17.05	16.819
0+875	17.05	16.819
0+1000	17.05	16.819
0+1125	17.05	16.819
0+1250	17.05	16.819
0+1375	17.05	16.819
0+1500	17.05	16.819
0+1625	17.05	16.819
0+1750	17.05	16.819
0+1875	17.05	16.819
0+2000	17.05	16.819
0+2125	17.05	16.819
0+2250	17.05	16.819

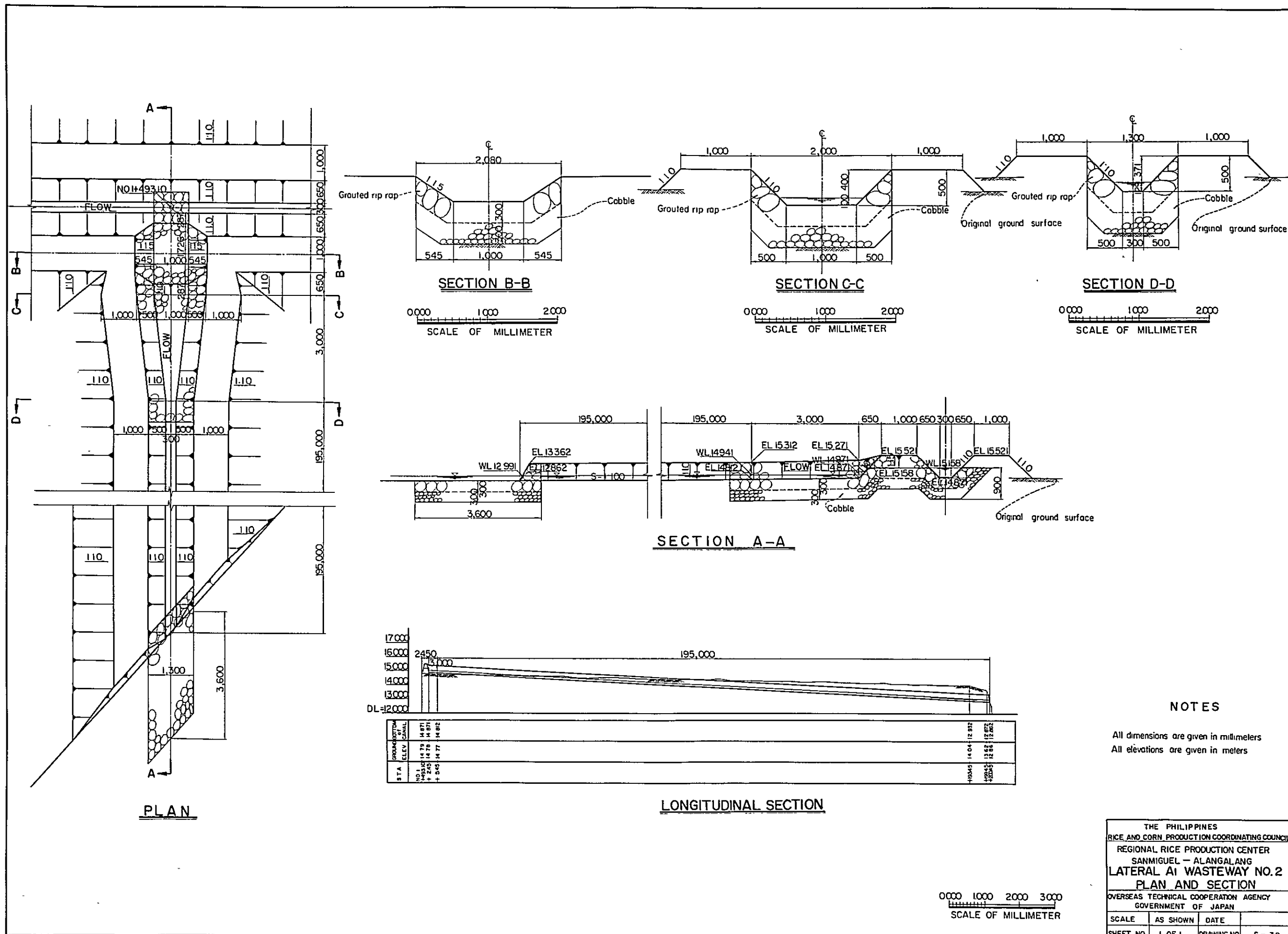
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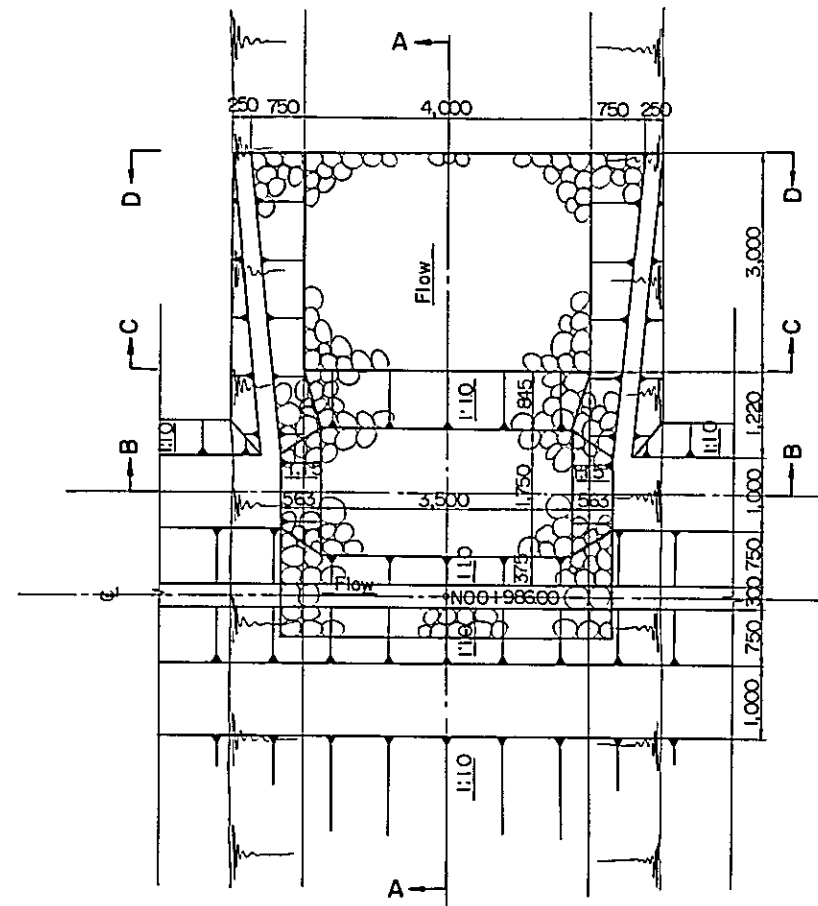
All dimensions are given in millimeters
All elevations are given in meters

THE PHILIPPINES
RICE AND CORN PRODUCTION COORDINATING COUNCIL
REGIONAL RICE PRODUCTION CENTER
SANMIGUEL - ALANGALANG
LATERAL A1 WASTEWAY NO.1
PLAN AND SECTION

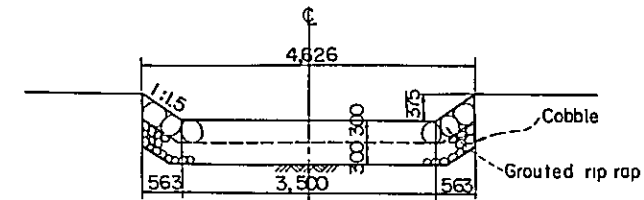
OVERSEAS TECHNICAL COOPERATION AGENCY
GOVERNMENT OF JAPAN

SCALE	AS SHOWN	DATE
SHEET NO.	1 OF 1	DRAWING NO. S-37

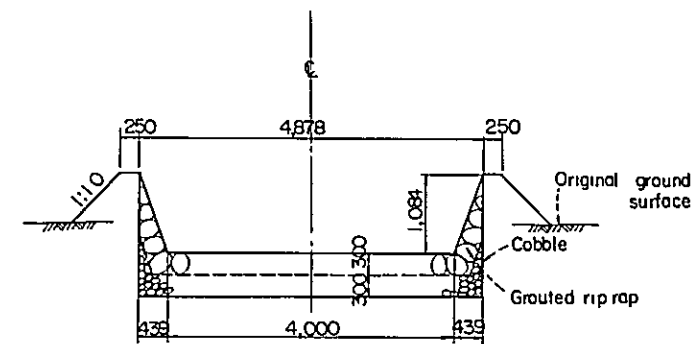




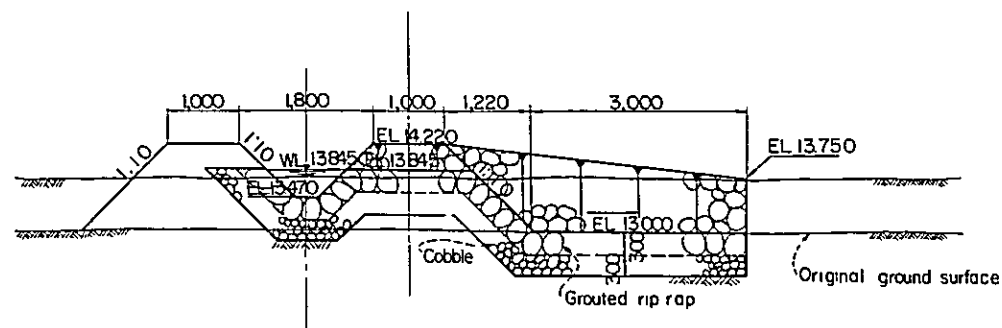
PLAN



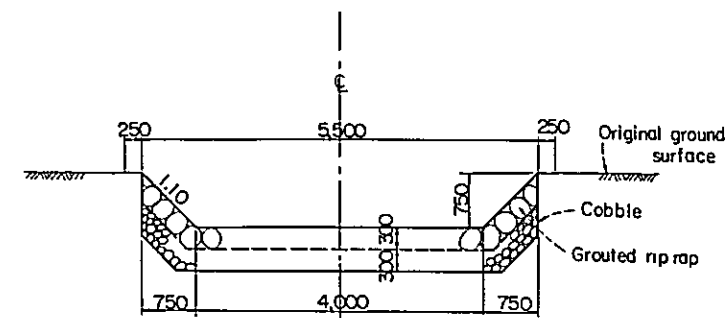
SECTION B-B



SECTION C-C



SECTION A-A



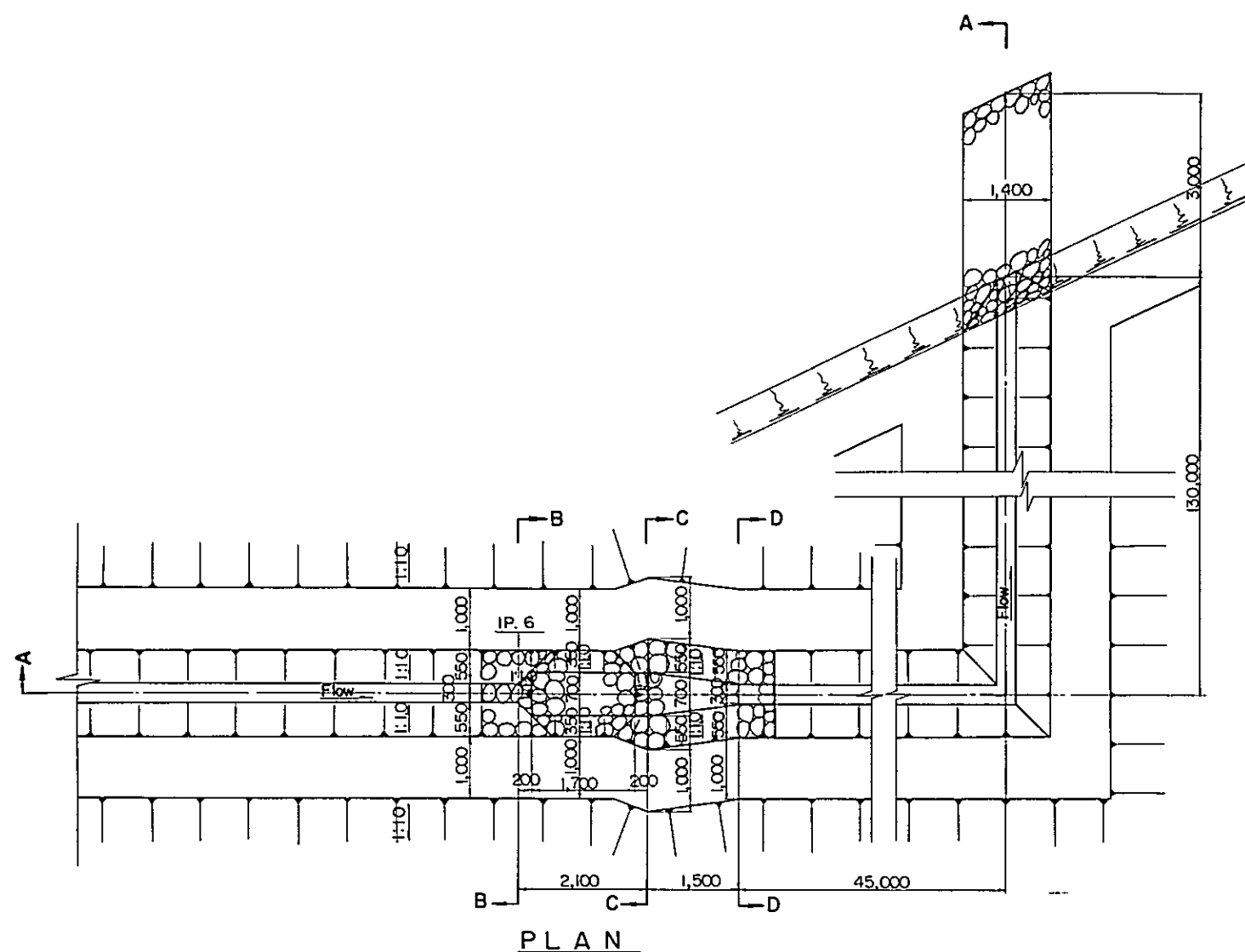
SECTION D-D

NOTES

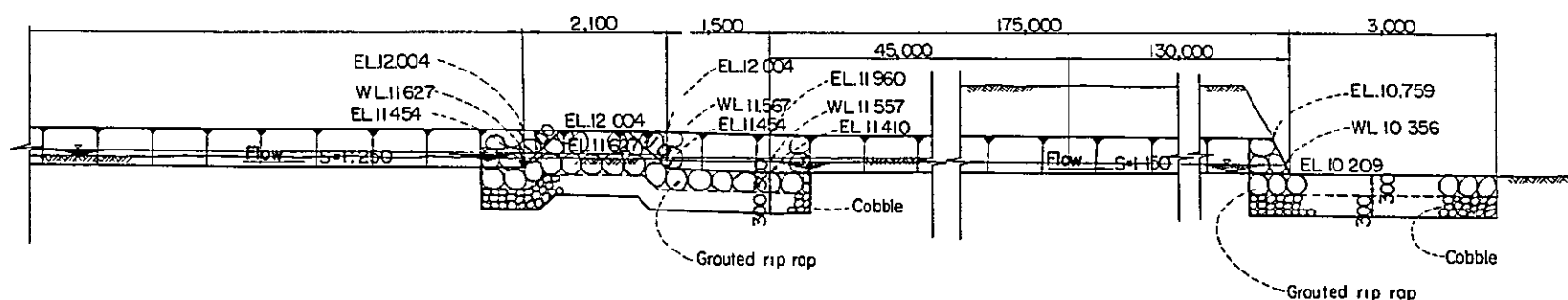
All dimensions are given in millimeters
All elevations are given in meters.

0 1,000 3,000
SCALE OF MILLIMETER

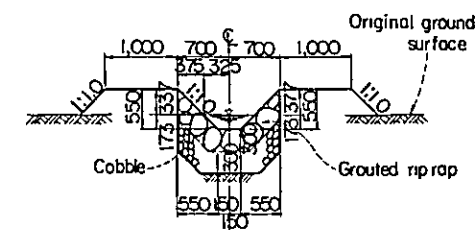
THE PHILIPPINES RICE AND CORN PRODUCTION COORDINATING COUNCIL			
REGIONAL RICE PRODUCTION CENTER SANMIGUEL - ALANGALANG			
LATERAL B WASTEWAY NO. 1 PLAN AND SECTION			
OVERSEAS TECHNICAL COOPERATION AGENCY GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO.	1 OF 1	DRAWING NO.	S-40



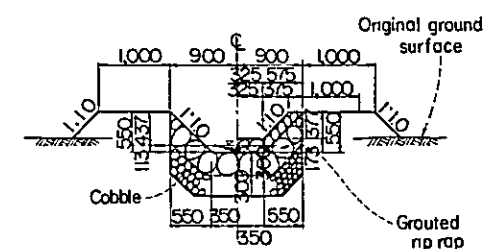
PLAN



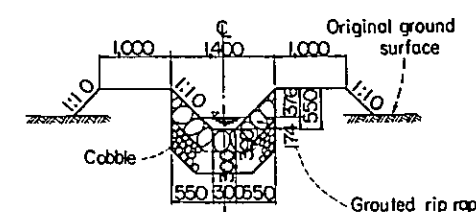
SECTION A - A



SECTION B-B



SECTION C-C



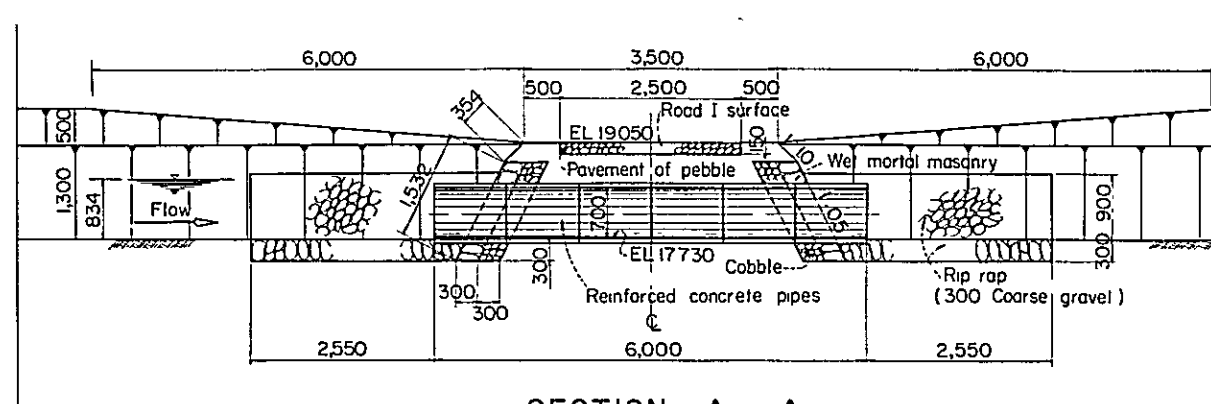
SECTION D-D

NOTES

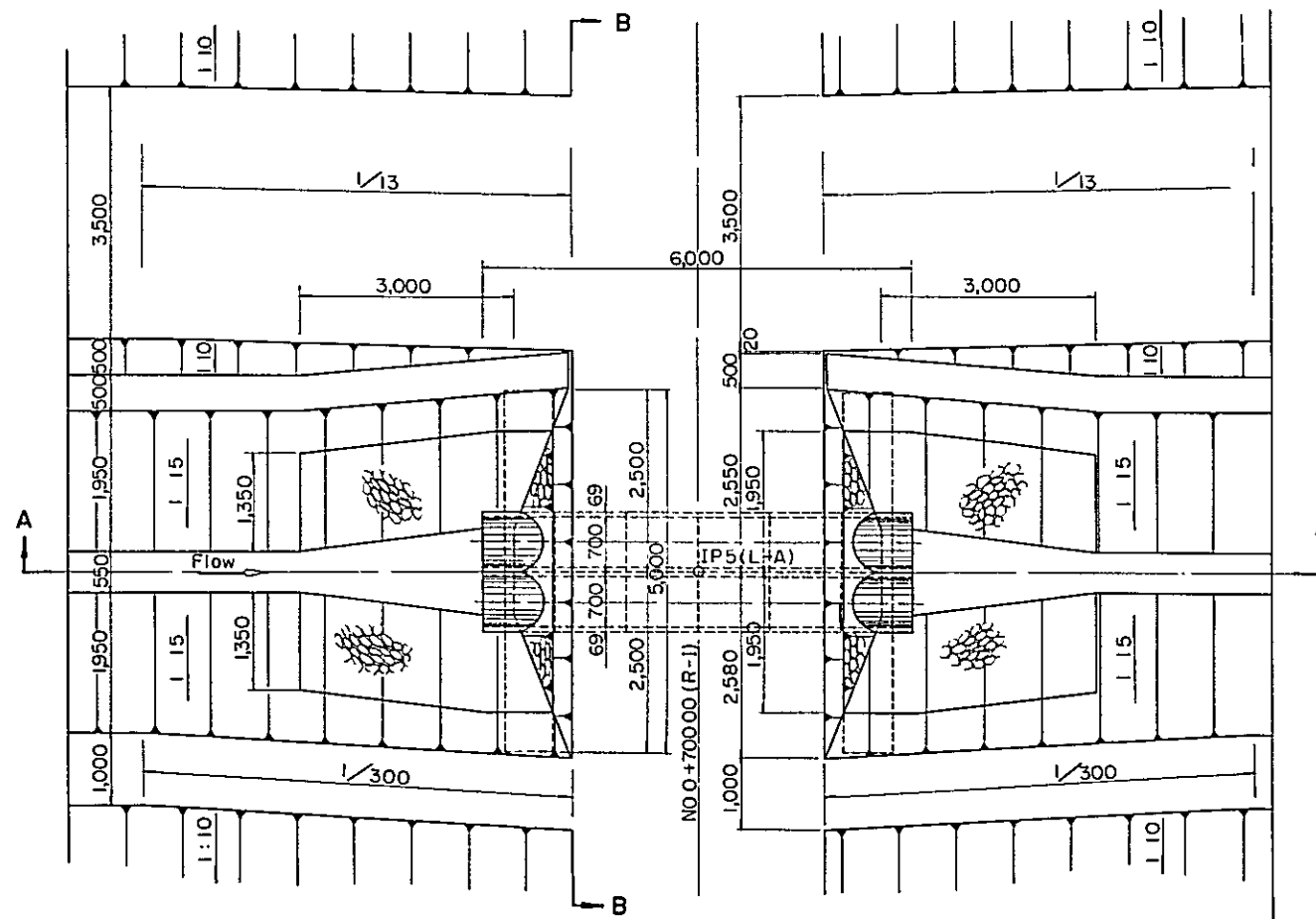
All dimensions are given in millimeters
All elevations are given in meters

0 1,000 2,000 3,000
SCALE OF MILLIMETER

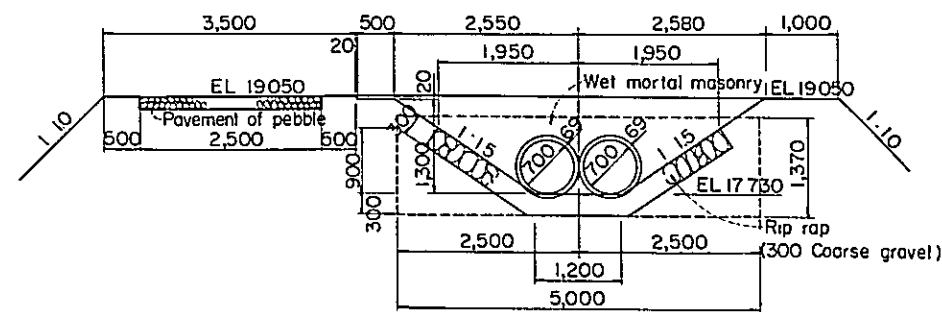
THE PHILIPPINES		
RICE AND CORN PRODUCTION COORDINATING COUNCIL		
REGIONAL RICE PRODUCTION CENTER		
SANMIGUEL - ALANGALANG		
LATERAL B WASTEWAY NO. 2		
PLAN AND SECTION		
OVERSEAS TECHNICAL COOPERATION AGENCY		
GOVERNMENT OF JAPAN		
SCALE	AS SHOWN	DATE
SHEET NO.	1 OF 1	DRAWING NO. S-41



SECTION A - A



PLAN



SECTION B - B

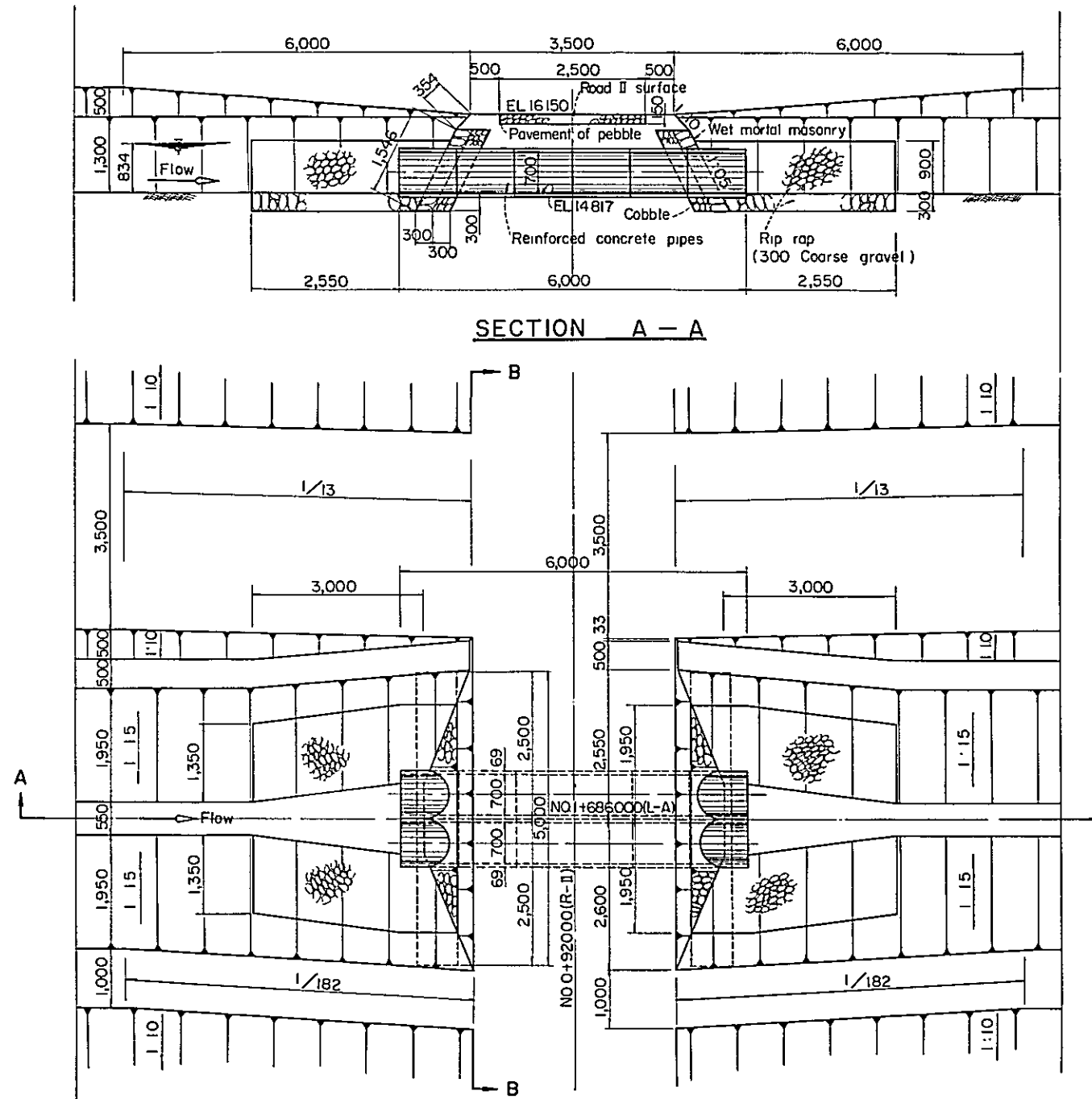
NOTES

All dimensions are given in millimeters

All stations and elevations are given in meters

0 1,000 2,000 3,000
SCALE OF MILLIMETER

THE PHILIPPINES			
RICE AND CORN PRODUCTION COORDINATING COUNCIL			
REGIONAL RICE PRODUCTION CENTER			
SANMIGUEL - ALANGALANG			
LATERAL A CULVERT NO. 1			
PLAN AND SECTION			
OVERSEAS TECHNICAL COOPERATION AGENCY			
GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO.	1 OF 1	DRAWING NO.	S - 42



SECTION A - A

PLAN

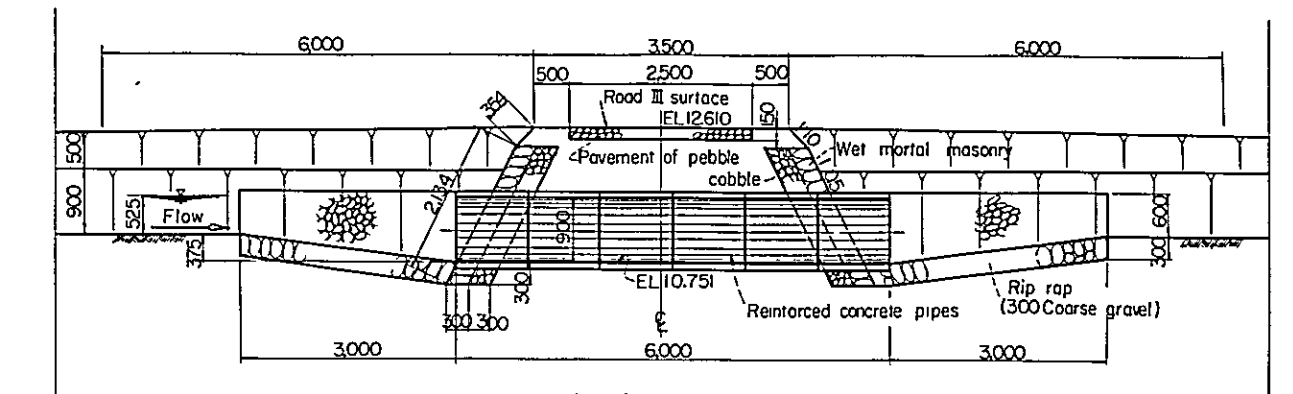
SECTION B - B

NOTES

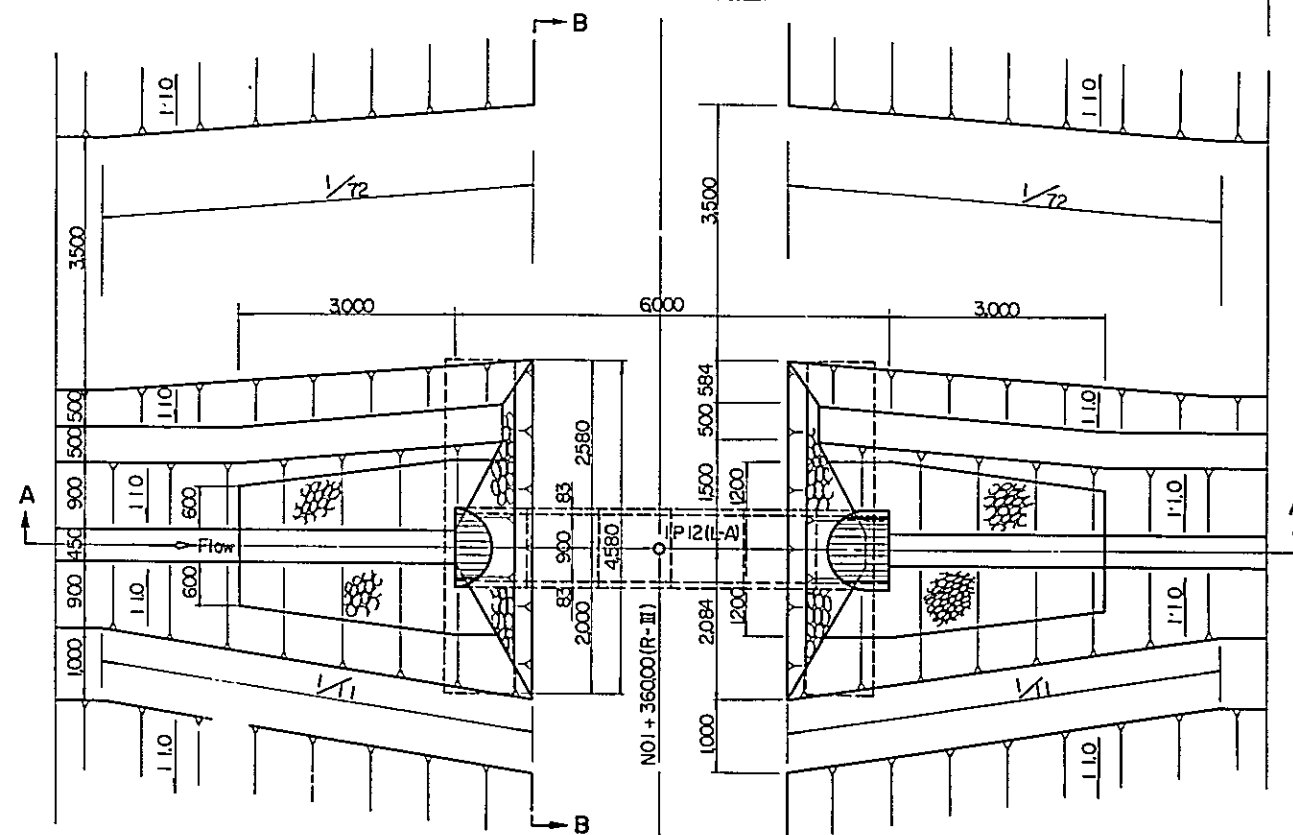
All dimensions are given in millimeters.
All stations and elevations are given in meters

0 1000 2000 3000
SCALE OF MILLIMETER

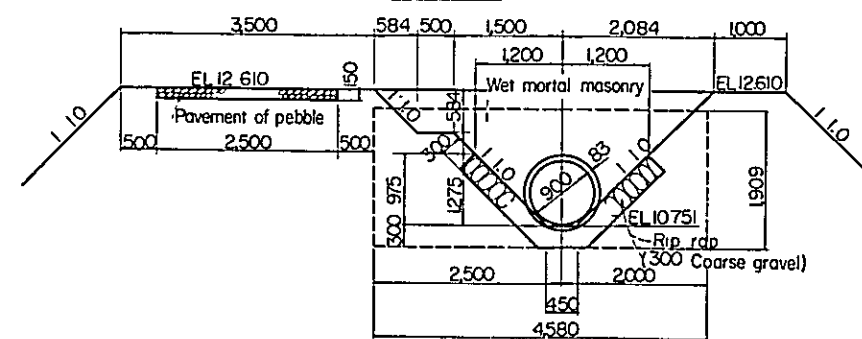
THE PHILIPPINES			
RICE AND CORN PRODUCTION COORDINATING COUNCIL			
REGIONAL RICE PRODUCTION CENTER			
SANMIGUEL - ALANGALANG			
LATERAL A CULVERT NO2			
PLAN AND SECTION			
OVERSEAS TECHNICAL COOPERATION AGENCY			
GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO.	1 OF 1	DRAWING NO.	S-43



SECTION A-A



PLAN



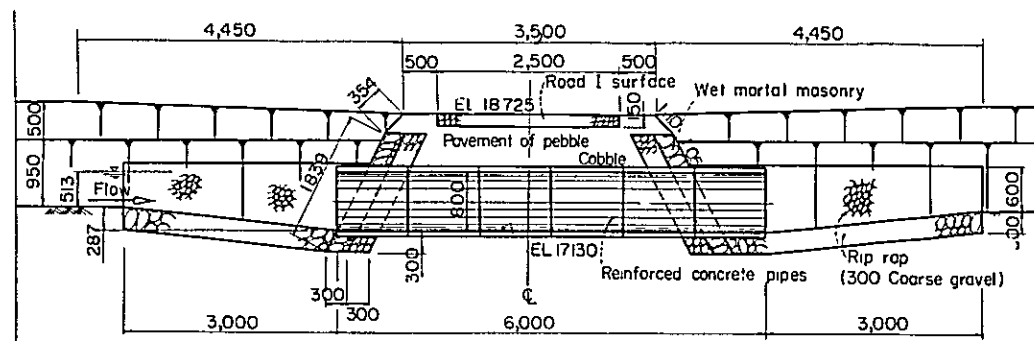
SECTION B-B

NOTES

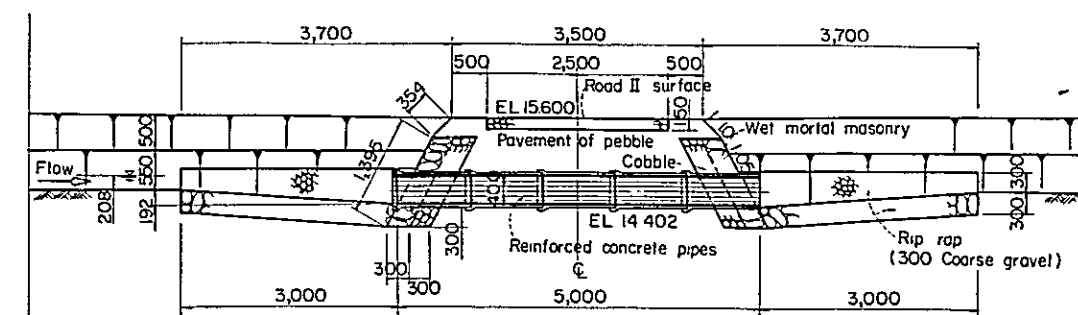
All dimensions are given in millimeters
All stations and elevations are given in meters.

0.000 1000 2000 3000 4000
SCALE OF MILLIMETER

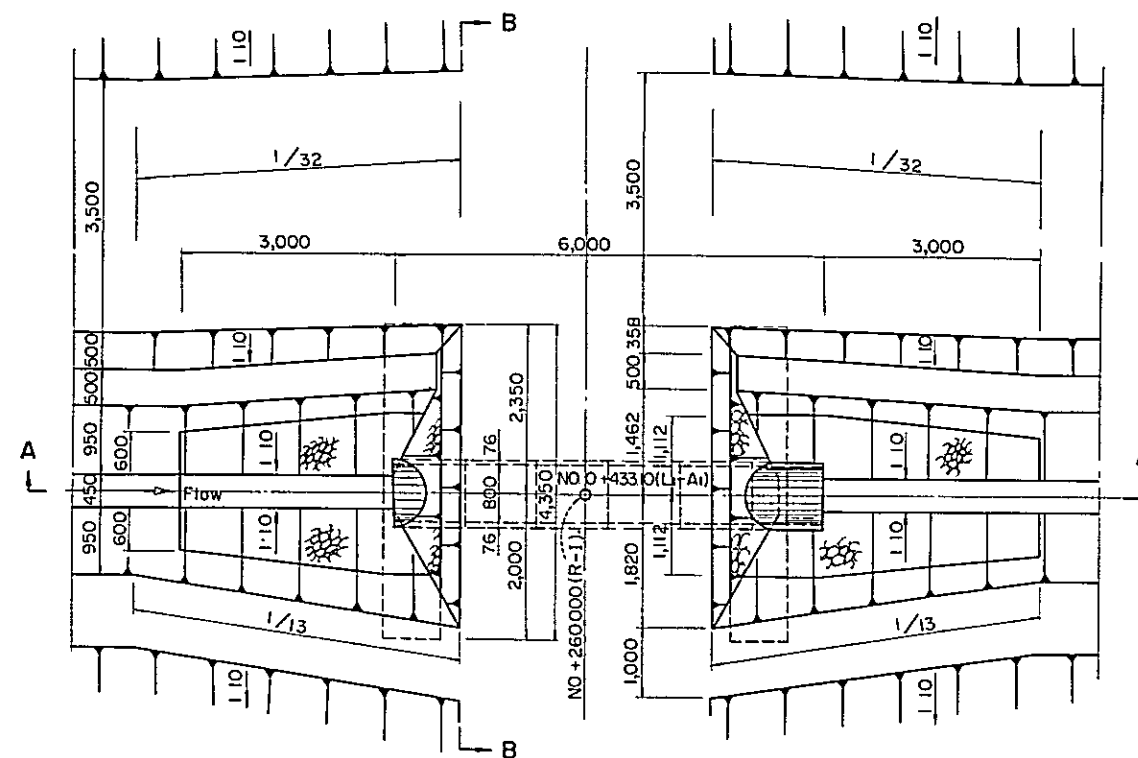
THE PHILIPPINES RICE AND CORN PRODUCTION COORDINATING COUNCIL			
REGIONAL RICE PRODUCTION CENTER SANMIGUEL - ALANGALANG			
LATERAL A CULVERT NO. 3 PLAN AND SECTION			
OVERSEAS TECHNICAL COOPERATION AGENCY GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO	1 OF 1	DRAWING NO	S-44



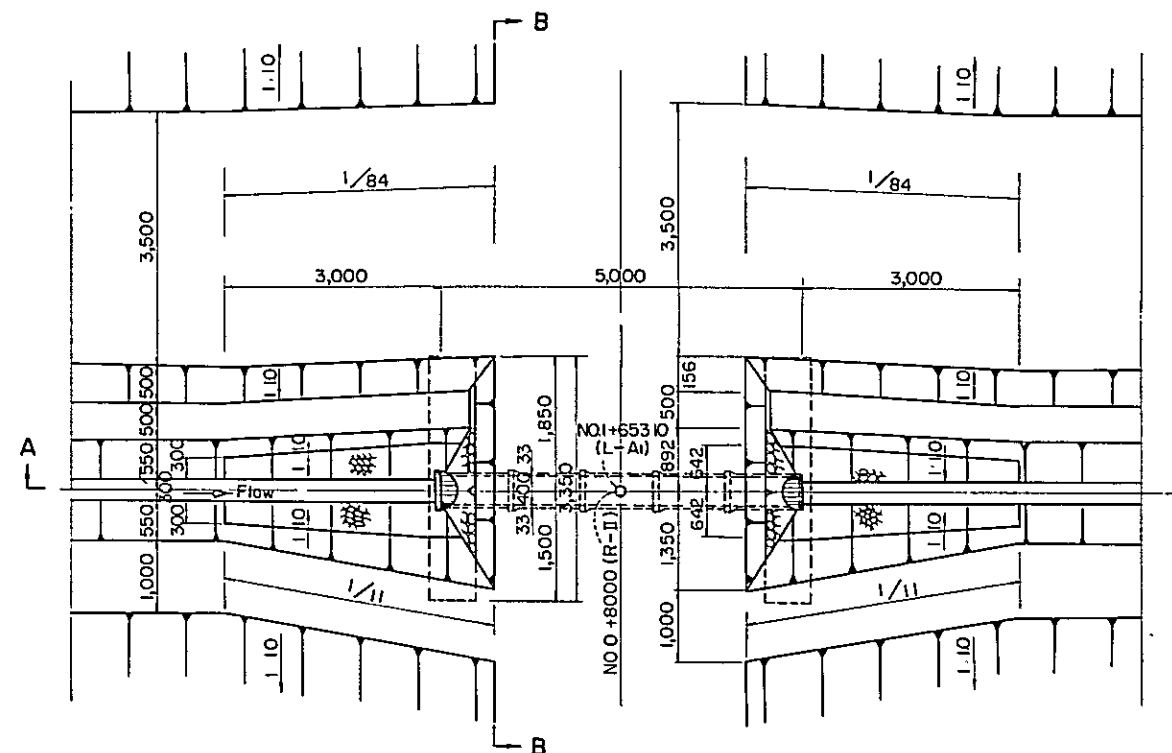
SECTION A - A



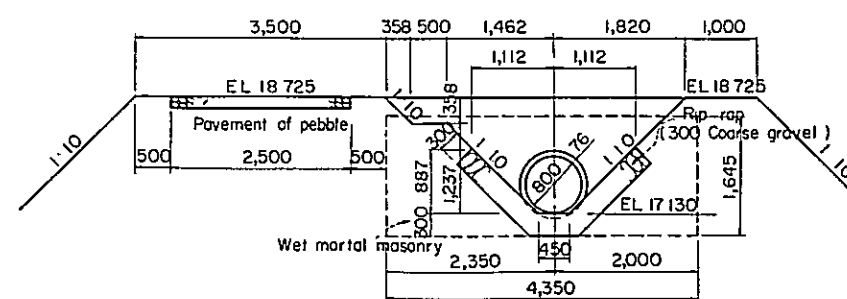
SECTION A - A



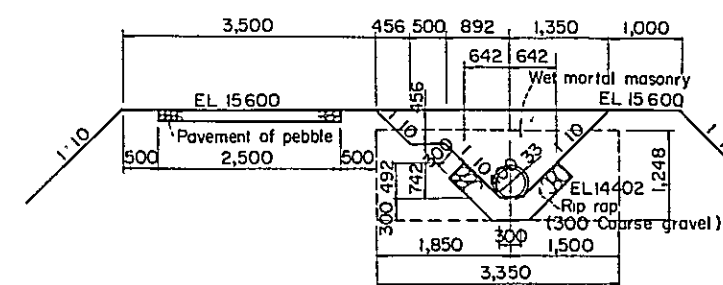
PLAN



PLAN



SECTION B - B



SECTION B - B

NOTES
All dimensions are given in millimeters
All stations and elevations are given in meters

0 1,000 2,000 3,000
SCALE OF MILLIMETERS

THE PHILIPPINES RICE AND CORN PRODUCTION COORDINATING COUNCIL REGIONAL RICE PRODUCTION CENTER SANMIGUEL - ALANGALANG LATERAL A1 CULVERT NO.1 AND NO.2 PLAN AND SECTION			
OVERSEAS TECHNICAL COOPERATION AGENCY GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO.	1 OF 1	DRAWING NO.	S-45

NOTES

All dimensions are given in millimeters.
All elevations are given in meters.
Concrete design, except precast concrete pipe based on a compressive strength of 80 kg/cm².

Chamfer all exposed corners 15 mm

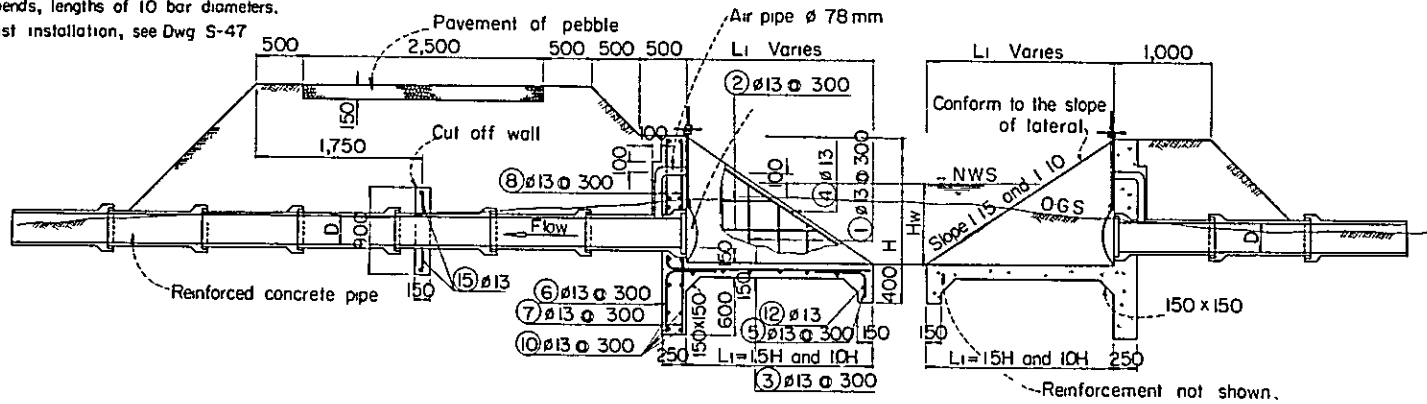
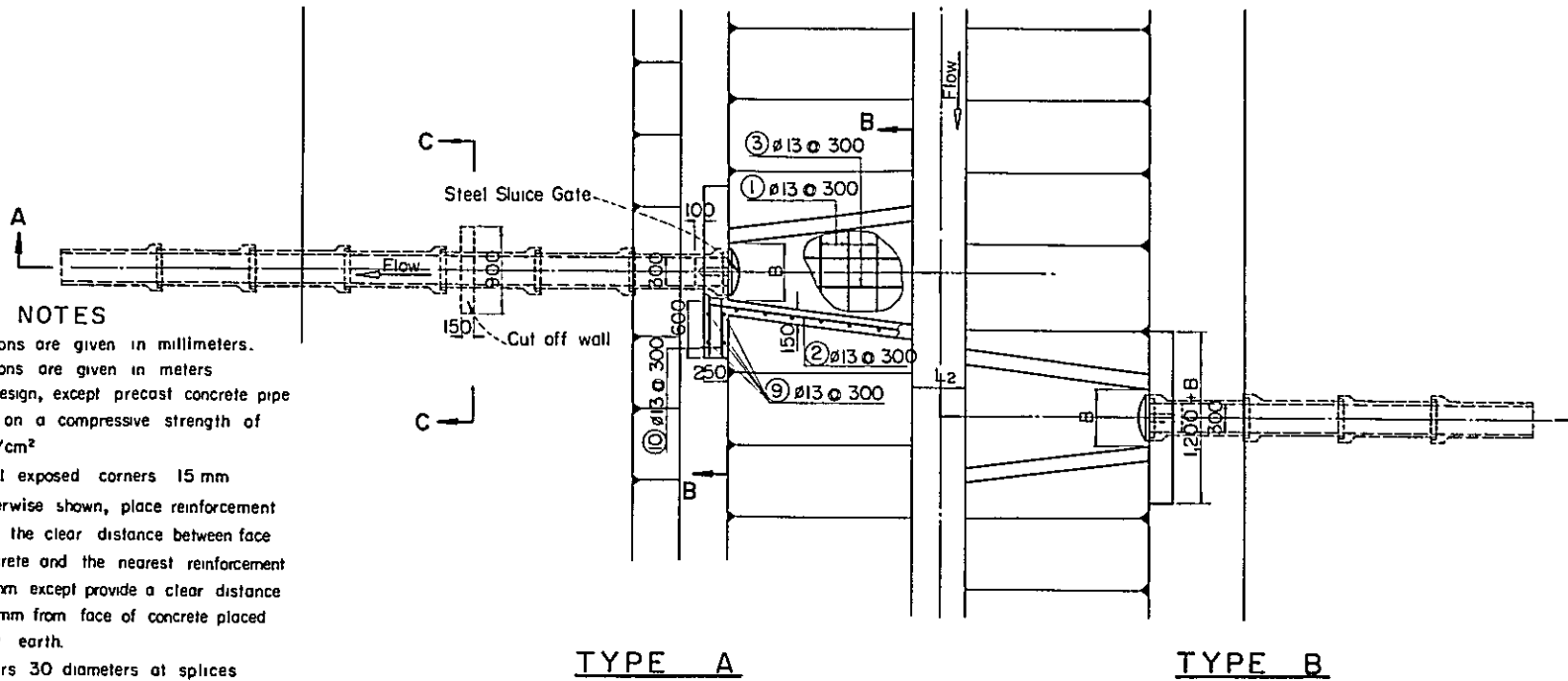
Unless otherwise shown, place reinforcement so that the clear distance between face of concrete and the nearest reinforcement is 50mm except provide a clear distance of 100mm from face of concrete placed against earth.

Lap all bars 30 diameters at splices

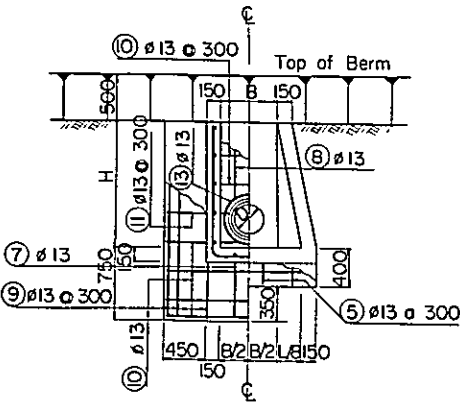
All reinforcing steel to be plain bar with standard hook each end in addition to length shown

Hook with 180° bends, lengths of 10 bar diameters.

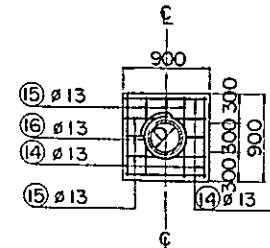
For Gate and Hoist installation, see Dwg S-47



SECTION A - A

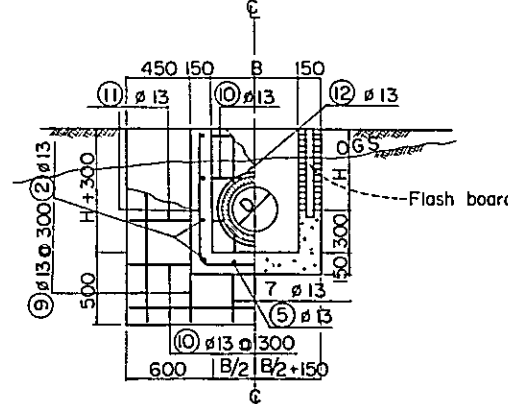


SECTION B - B

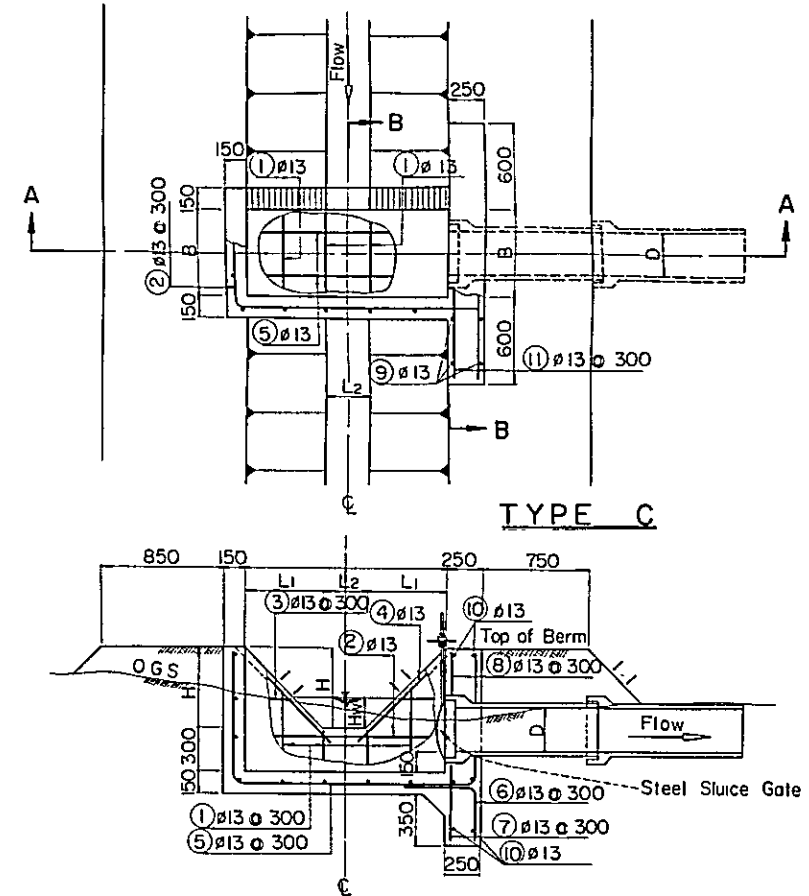


SECTION C - C

0 1000 2000
SCALE OF MILLIMETER



TYPE C SECTION B - B



TYPE C

CANAL SYSTEM NAME	DIAMETER OF PIPE	B	DIMENSION				STITON NUMBER
			L ₁	L ₂	H	H _w	
LATERAL A	150	450	1950	550	1300	834	NO0+58690
			1650	450	1100	704	NO2+76690
	200	500	1950	550	1300	834	NO1+2690, NO1+6890, NO1+88690
			1650	450	1100	704	NO2+20690, NO2+36690
	250	550	1950	550	1300	834	NO1+69190
			1650	450	1100	704	NO2+6690, NO2+54690, NO2+6469, NO3+2290
LATERAL B	350	650	900	450	900	525	NO3+68690, NO4+21940
			900	450	900	525	NO3+36690

TYPE A

CANAL SYSTEM NAME	DIAMETER OF PIPE	B	DIMENSION				STITON NUMBER
			L ₁	L ₂	H	H _w	
LATERAL A	150	450	1950	550	1300	834	NO1+2690, NO1+18690, NO0+58690
			1650	450	1100	704	NO2+6690, NO2+76690
	200	500	900	450	900	525	NO3+36690, NO3+52690, NO3+94690
			1950	550	1300	834	NO1+43690, NO1+88690
	250	550	1650	450	1100	704	NO3+2290
			900	450	900	525	NO3+68690
LATERAL A ₁	150	450	950	450	950	513	NO0+500(R), NO0+4530(L)
	200	500	950	450	950	513	NO0+4530(R), NO0+500(L)
	150	450	650	300	650	287	NO0+7930(L)
LATERAL B	150	450	750	300	750	375	NO0+1850(L), NO1+200(L), NO0+6800(L)
			750	300	750	375	

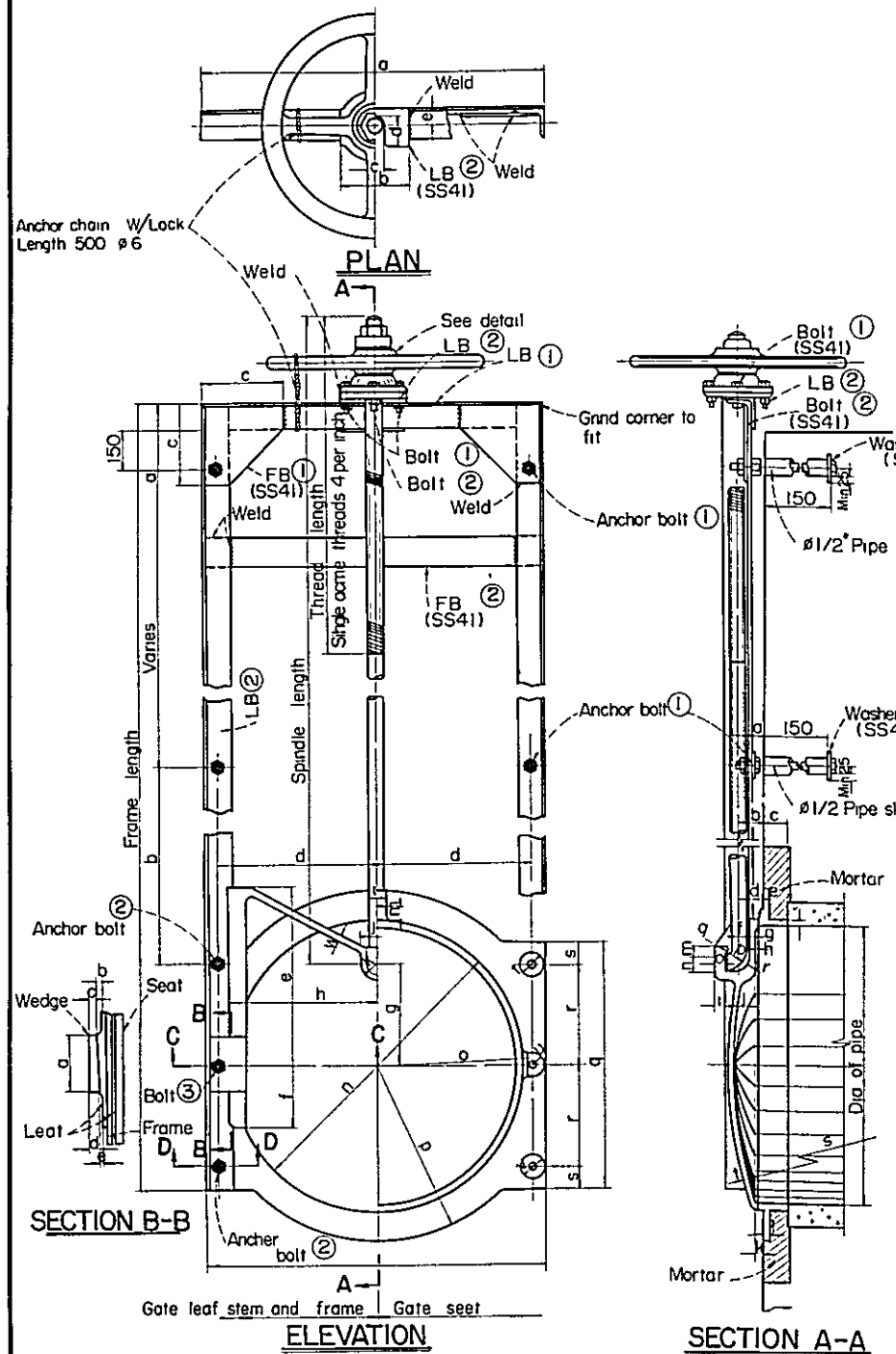
TYPE B

CANAL SYSTEM NAME	DIAMETER OF PIPE	B	DIMENSION				STITON NUMBER
			L ₁	L ₂	H	H _w	
LATERAL A ₁	150	450	550	300	550	208	NO1+6730(R), NO1+98022(R), NO1+8310(L)
	200	550	650	300	650	287	NO1+11310(R)
	150	450	650	300	650	287	NO0+93310(L)
LATERAL B	250	550	750	300	750	375	NO0+1850(R), NO0+7600(R)
			550	300	550	200	NO1+3200(L)

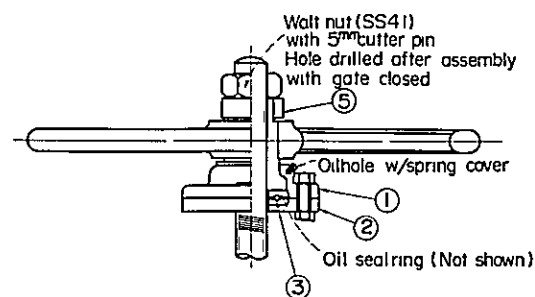
TYPE C

0 500 1000 2000
SCALE OF MILLIMETER

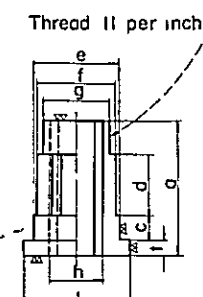
THE PHILIPPINES RICE AND CORN PRODUCTION COORDINATING COUNCIL REGIONAL RICE PRODUCTION CENTER SANMIGUEL - ALANGALANG			
TURN OUT PAN AND SECTION			
OVERSEAS TECHNICAL COOPERATION AGENCY GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO	1 OF 2	DRAWING NO	S-46



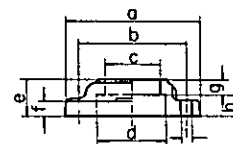
NOTE: All anchor bolts shall be galvanized



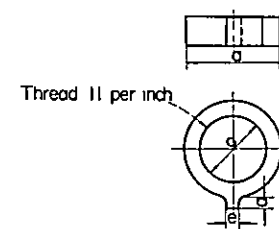
DETAIL OF HOIST



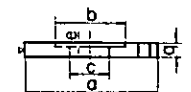
④ THREADED METAL (BC2)



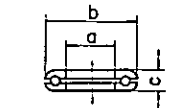
① METAL COVER (FC20)



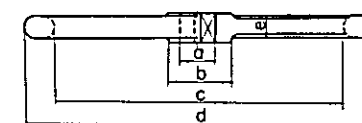
⑤ LOCK NUT (FC20)



② METAL SEAT (SS41)



③ THRUST BEARING (SN)



⑥ HAND WHEEL (FC20)

DIMENSION TABLE

SPINDLE	200	300	400	500	600	700	800	900
SPINDLE	29 (1 1/8")	35 (1 3/8")	41 (1 5/8")					
a	345	445	545	650	760	865	975	1105
b	120	144	163					
c	36	42	48					
d	57	50	61.5					
e	34	37	42.5					
f		300	400					
g		1500mm						
h	90	150	200					
i	125	175	225	285	340	400	450	505
j	120	160	210	250	300	350	400	450
k	60	75	90	125	140	160	180	200
l	50	75	100	150	170	200	220	250
m	112	162	212	267	322	375	427	480
n	345	445	545	650	760	865	975	1105
o	55	60	75					
p	27.5	30	37.5					
q	20	30						
r		20						
s	220	320	420	524	630	736	840	944
t	125	165	215	270	325	378	430	483
u	130	185	240	290	350	400	450	520
v	190	250	330	430	480	520	640	700
w	75	100	140	180	200	220	270	300
x	20	25	35	40	45	50		
y	30	40	45	50				
z	15	20	22.5	25				
aa	145	175	205					
ab	10	12	15	180				
ac	15	17	21					
ad	49	54	63.5					
ae	43	45	52	65				
af	30	35	44					
ag	5	3	5					
ah	32	38	48					
ai	6	8	10	12				
aj	63	43	6	10				
ak	143	133	15	5	10	0		
al	45	48	60	70	80	95		
am	7		9					
an	8	10	12	15				
ao	10	12	14	16	18			
ap	30	37	44					
aq	7	10	12					
ar	33	40	49					
as	4	5	7					
at		10						
au	160	360	610	860	1050	1140	1300	1340
av	6	8	10	12				
aw	50	80	100	110				
ax	7	8						
ay	13	15	18					
az	18	20	23					
ba	2	3						
bb	67.5	80	89.5	102.5	103.5			
bc	49.5	47	46.5	54.5	50.5			
bd	15	30	40	45	50			
be	39.5	32	24.5	34.5	28.5			
bf	29	32	34	40				
bg	23	25	27	29	38			
bh	50	60	65	82.5	92.5			
bi	25	35	40	50	55			
bj	12	17	22	25	27	30		
bk	8	10	12	15				
bl	62	64	69	71	84.5			
bm	35	40	50					
bn	8	10	14	15				
bo	7	9						
bp	7							
bq	10							
br	8	9	10	14				
bs	65x65x8		75x75x9					
bt	75x75x9		90x90x10					
bu	90x7		150x7	200x7				
bv		65x8	75x9					
bw	9x60	12x70	12x75					
bx	9x45	12x55	12x60					
by	13x95	16x110	19x160					
bz	13x220	16x220	19x220					
ca	13	16	19					

DIMENSION TABLE

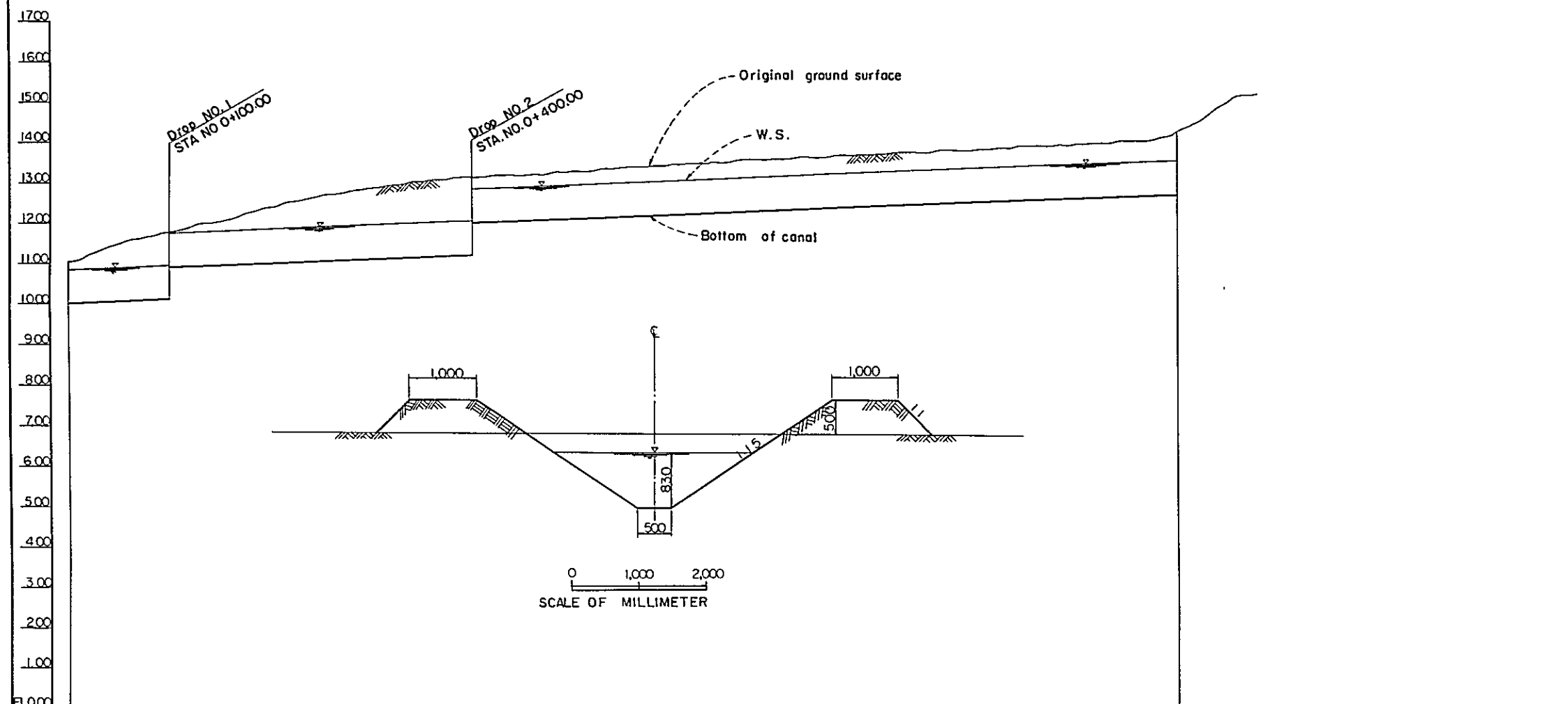
TYPE	I	II	III
W	200	600	800
D	~500	~700	~900
a	120	144	163
b	95	114	128
c	51	60	68
d	67	76	88
e	33	36	41
f	12	14	16
g	10	12	15
h	23	24	26
i	11		14
j	95	114	128
k	120	144	163
l	66	75	88
m	36	42	48
n	10		13
o	4	5	5
p	11		14
q	95	114	128
r	34	42	48
s	66	75	87
t	14	16	17
u	88	93	107
v	11		12
w	15	17	19
x	42		51
y	51	60	68
z	45	57	65
aa	43	46	54
ab	30	36	42
ac	66	75	87
ad	65	64	68
ae	22		22
af	40	43	51
ag	6	8	
ah	12	8	
ai	47	54	60
aj	70	88	100
ak	430		
al	500		
am	42		51
an	30	40	55
ao	22	32	35
ap	54	62	69

MATERIAL CODE

LB	Angle bar
FB	Flat bar
SS41	Steel
FC20	Cast iron
BC2	Cast bronze
SGP	Galvanized steel gas pipe
SN	Special order make

THE PHILIPPINES
RICE AND CORN PRODUCTION COORDINATING COUNCIL
REGIONAL RICE PRODUCTION CENTER
SANMIGUEL - ALANGALANG
TUROUT
INSTALL ASSEMBLY OF GATES
OVERSEAS TECHNICAL COOPERATION AGENCY
GOVERNMENT OF JAPAN

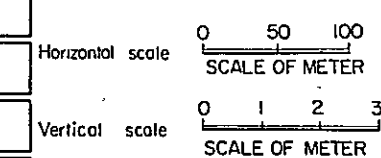
SCALE: _____ DATE: _____
SHEET NO. 1 OF 2 DRAWING NO. S-47



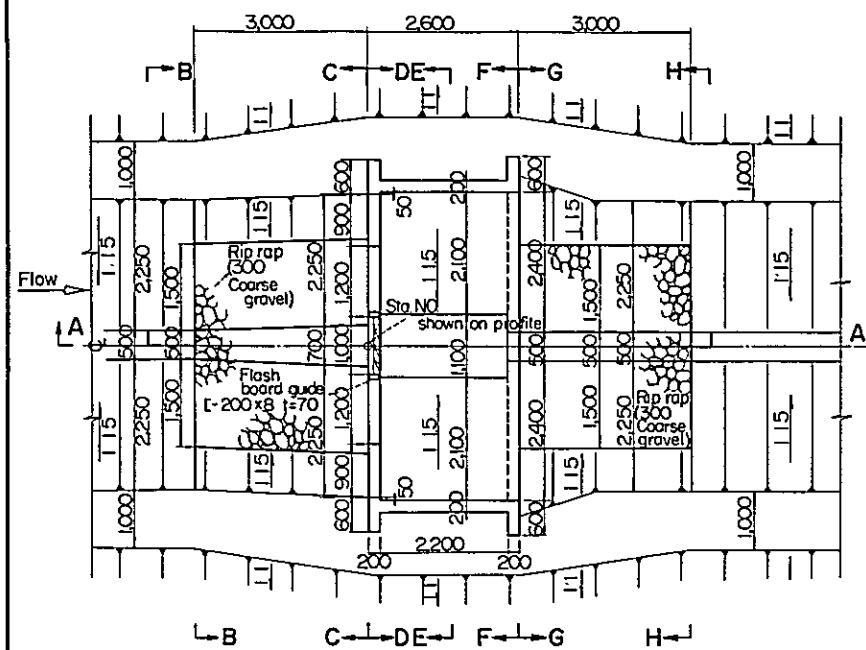
STA	DIST. STA	ACUM. DIST.	GROUND ELEV.	BOTTOM CANAL	ELEV. W.S.	DEPTH	GRADI
NO 0	0.00	0.00	11.00	10.00	10.83	1.00	
+20.00	20.00	20.00	11.17	10.02	10.85	1.15	
+40.00	40.00	40.00	11.34	10.04	10.87	1.30	
+60.00	60.00	60.00	11.50	10.06	10.89	1.44	
+80.00	80.00	80.00	11.61	10.08	10.91	1.53	
+100.00	100.00	100.00	11.72	10.10	10.93	1.62	
+120.00	120.00	120.00	11.83	10.90	10.93	0.82	
+140.00	140.00	140.00	11.94	10.92	10.93	0.91	
+160.00	160.00	160.00	12.05	10.94	10.94	1.00	
+180.00	180.00	180.00	12.19	10.98	10.98	1.09	
+200.00	200.00	200.00	12.33	11.00	11.00	1.21	
+220.00	220.00	220.00	12.47	11.02	11.02	1.45	
+240.00	240.00	240.00	12.55	11.04	11.04	1.51	
+260.00	260.00	260.00	12.63	11.06	11.06	1.57	
+280.00	280.00	280.00	12.71	11.08	11.08	1.63	
+300.00	300.00	300.00	12.79	11.10	11.10	1.69	
+320.00	320.00	320.00	12.87	11.12	11.12	1.75	
+340.00	340.00	340.00	12.94	11.14	11.14	1.80	
+360.00	360.00	360.00	13.00	11.16	11.16	1.84	
+380.00	380.00	380.00	13.03	11.18	11.18	1.85	
+400.00	400.00	400.00	13.06	11.20	11.20	1.86	
+420.00	420.00	420.00	13.09	11.22	11.22	1.87	
+440.00	440.00	440.00	13.12	11.24	11.24	1.88	
+460.00	460.00	460.00	13.15	11.26	11.26	1.89	
+480.00	480.00	480.00	13.18	11.28	11.28	1.90	
+500.00	500.00	500.00	13.21	11.30	11.30	1.91	
+520.00	520.00	520.00	13.24	11.32	11.32	1.92	
+540.00	540.00	540.00	13.27	11.34	11.34	1.93	
+560.00	560.00	560.00	13.30	11.36	11.36	1.94	
+580.00	580.00	580.00	13.33	11.38	11.38	1.95	
+600.00	600.00	600.00	13.36	11.40	11.40	1.96	
+620.00	620.00	620.00	13.39	11.42	11.42	1.97	
+640.00	640.00	640.00	13.42	11.44	11.44	1.98	
+660.00	660.00	660.00	13.45	11.46	11.46	1.99	
+680.00	680.00	680.00	13.48	11.48	11.48	2.00	
+700.00	700.00	700.00	13.50	11.50	11.50	2.00	
+720.00	720.00	720.00	13.52	11.52	11.52	2.00	
+740.00	740.00	740.00	13.55	11.54	11.54	2.01	
+760.00	760.00	760.00	13.57	11.56	11.56	2.01	
+780.00	780.00	780.00	13.59	11.58	11.58	2.02	
+800.00	800.00	800.00	13.62	11.60	11.60	2.02	
+820.00	820.00	820.00	13.65	11.62	11.62	2.03	
+840.00	840.00	840.00	13.67	11.64	11.64	2.03	
+860.00	860.00	860.00	13.70	11.66	11.66	2.04	
+880.00	880.00	880.00	13.72	11.68	11.68	2.04	
+900.00	900.00	900.00	13.75	11.70	11.70	2.05	
+920.00	920.00	920.00	13.77	11.72	11.72	2.05	
+940.00	940.00	940.00	13.80	11.74	11.74	2.06	
+960.00	960.00	960.00	13.82	11.76	11.76	2.06	
+980.00	980.00	980.00	13.85	11.78	11.78	2.07	
+1000.00	1000.00	1000.00	13.87	11.80	11.80	2.07	
+1020.00	1020.00	1020.00	13.90	11.82	11.82	2.08	
+1040.00	1040.00	1040.00	13.92	11.84	11.84	2.08	
+1060.00	1060.00	1060.00	13.95	11.86	11.86	2.09	
+1080.00	1080.00	1080.00	13.98	11.88	11.88	2.10	
+1100.00	1100.00	1100.00	14.00	11.90	11.90	2.10	
+1120.00	1120.00	1120.00	14.03	11.92	11.92	2.11	
+1140.00	1140.00	1140.00	14.05	11.94	11.94	2.11	
+1160.00	1160.00	1160.00	14.08	11.96	11.96	2.12	
+1180.00	1180.00	1180.00	14.10	11.98	11.98	2.12	
+1200.00	1200.00	1200.00	14.13	12.00	12.00	2.13	

NOTES

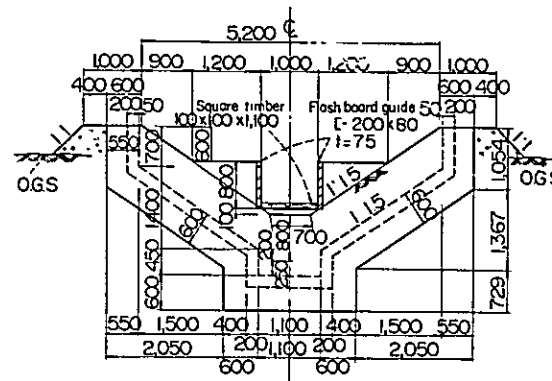
All dimensions are given in millimeters
All stations and elevations are given in meters



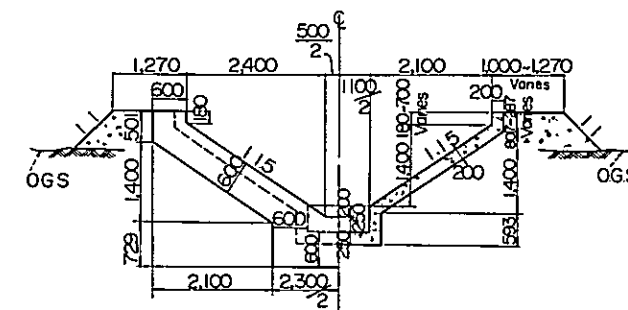
THE PHILIPPINES RICE AND CORN PRODUCTION COORDINATING COUNCIL			
REGIONAL RICE PRODUCTION CENTER SANMIGUEL - ALANGALANG			
DRAINAGE CANAL PROFILE			
OVERSEAS TECHNICAL COOPERATIONS AGENCY			
GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO	1 OF 1	DRAWING NO	S-48



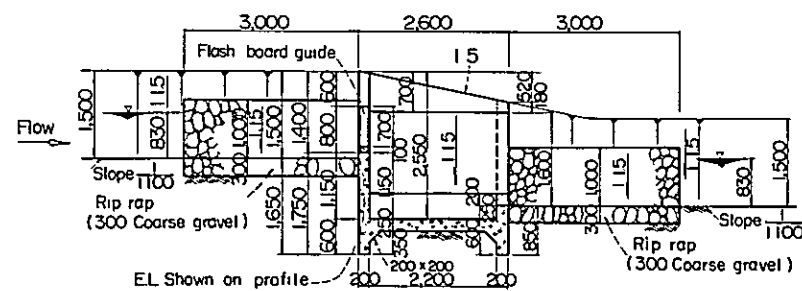
PLAN



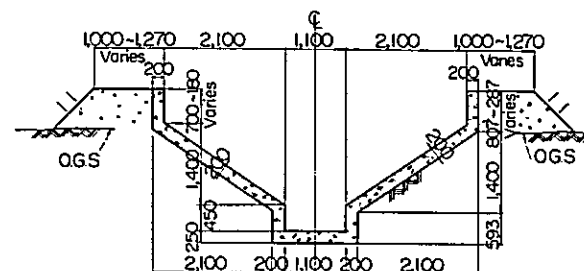
ELEVATION D-D



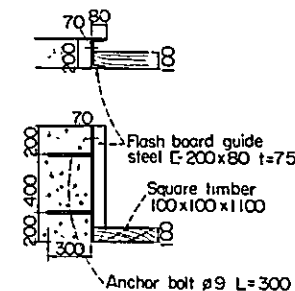
SECTION F-F



SECTION A-A



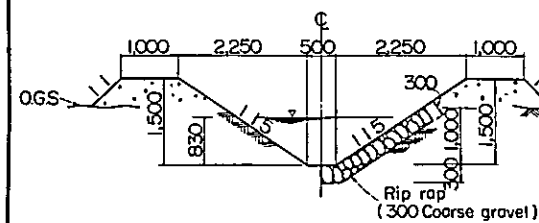
SECTION E-E



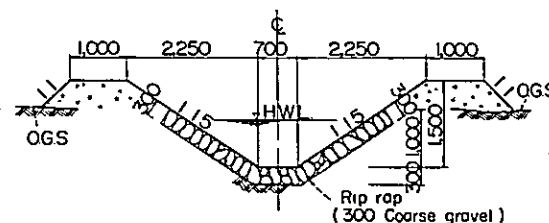
DETAIL OF FLASH BOARD

NOTES

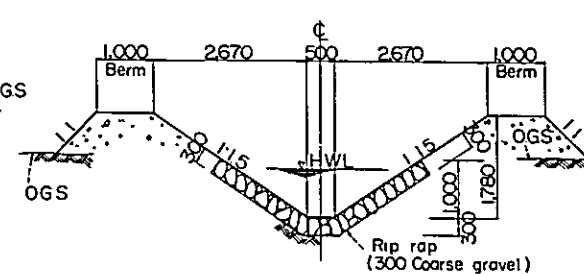
All dimensions are given in millimeters.
See drawing for reinforcement.
Concrete design based on a compressive strength of 80 kg/cm².
Chamfer all exposed corners 15 mm.



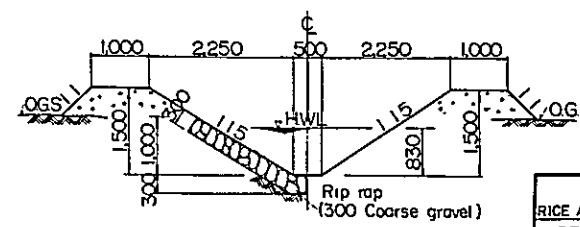
SECTION B-B



SECTION C-C



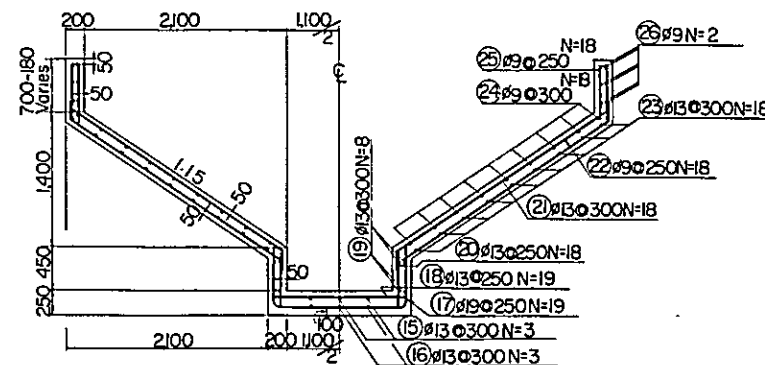
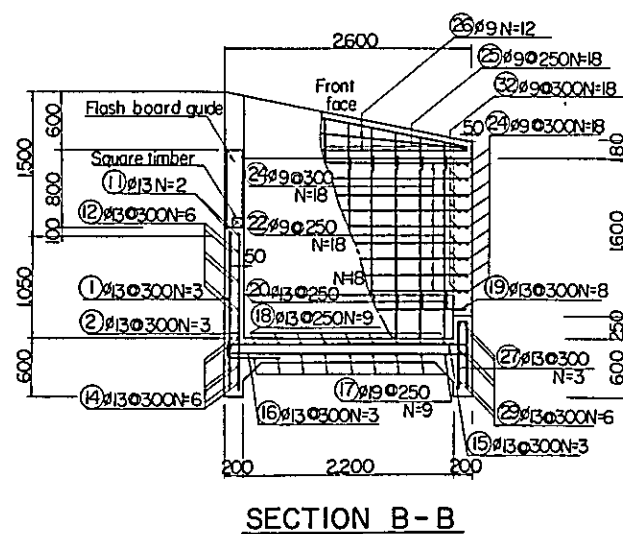
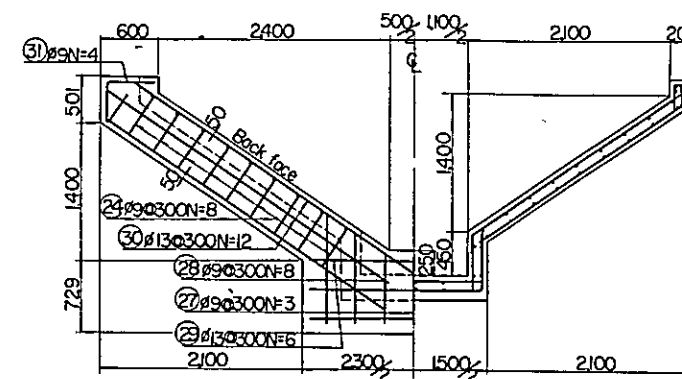
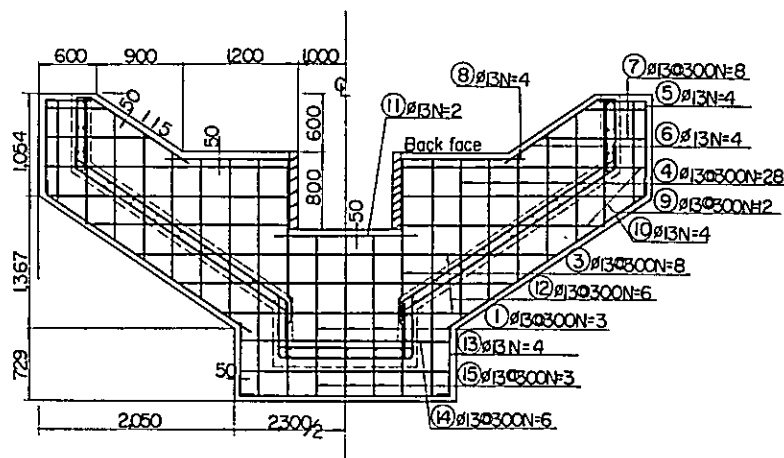
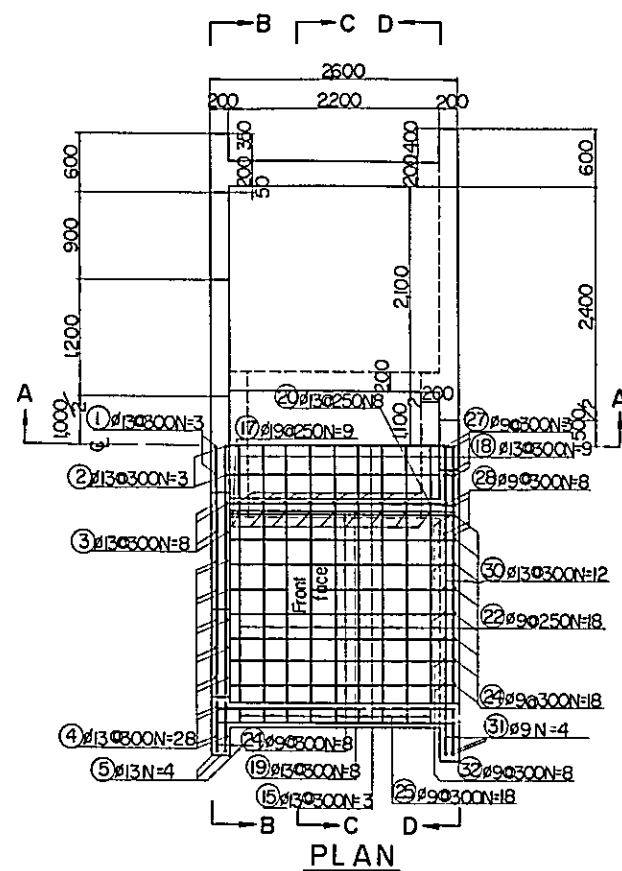
SECTION G-G



SECTION H-H

1000 0 1000 2000 3000 4000
SCALE OF MILLIMETER

THE PHILIPPINES		
RICE AND CORN PRODUCTION COORDINATING COUNCIL		
REGIONAL RICE PRODUCTION CENTER		
SANMIGUEL - ALANGALANG		
DRAINAGE CANAL DROP		
PLAN AND SECTION		
OVERSEAS TECHNICAL COOPERATION AGENCY		
GOVERNMENT OF JAPAN		
SCALE	AS SHOWN	DATE
SHEET NO.	1 OF 2	DRAWING NO. S-49

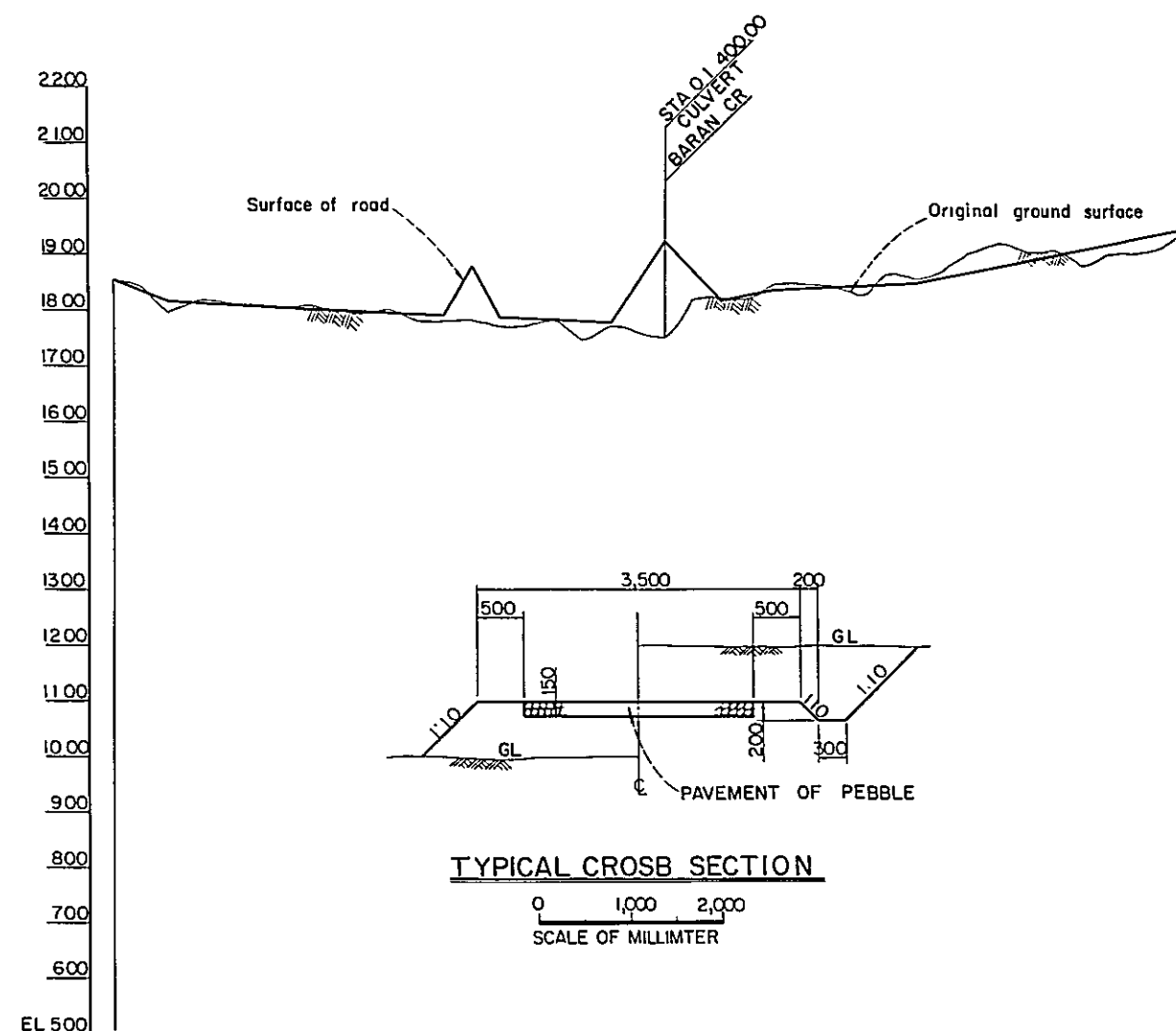


NOTES

All dimensions are given in millimeters.
See drawing for plan and section.
Unless otherwise shown, place reinforcement so that the clear distance between face of concrete and the nearest reinforcement is 50mm except provide a clear distance of 100mm from face of concrete placed against earth.
Lap all bars 30 diameters at splices.
All reinforcing steel to be plain bar with standard hook each end in addition to length shown.
Hook with 180° bends, lengths of 10 bar diameters.

0 500 1000 2000 3000
SCALE OF MILLIMETER

THE PHILIPPINES RICE AND CORN PRODUCTION COORDINATING COUNCIL			
REGIONAL RICE PRODUCTION CENTER SANMIGUEL - ALANGALANG			
DRAINAGE CANAL DROP REINFORCEMENT SHEET			
OVERSEAS TECHNICAL COOPERATION AGENCY GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO.	2 OF 2	DRAWING NO.	S-50



CURVE	STA	DIST BEYOND P.C.	ACCUM DIST	GROUND ELEV	PROP. POSED HEIGHT	CUTTING DEPTH	HEIGHT E.M.B.A.	GRADE
159° 34'	NO 0	0.00	0.00	18.55	18.55			1/100
	+20.00	20.00	20.00	18.43	18.35	0.080	0.180	
	+40.00	20.00	40.00	18.17	18.15			
	+60.00	20.00	60.00	18.17	18.125	0.045		
	+80.00	20.00	80.00	18.13	18.100	0.030		
	+100.00	20.00	100.00	18.11	18.075	0.035		
	+120.00	20.00	120.00	18.03	18.050		0.020	1/800
	+140.00	20.00	140.00	18.09	18.025	0.065		
	+160.00	20.00	160.00	18.00	18.000		0.022	1/25
	+180.00	13.40	166.00	17.97	17.952		0.055	1/20
137° 24'	+200.00	20.00	200.00	17.92	17.905			
	+220.00	20.00	220.00	18.01	17.950	0.060		
	+240.00	20.00	240.00	17.80	17.925		0.125	1/800
	+260.00	20.00	260.00	17.81	17.900		0.090	1/25
	+280.00	20.00	280.00	17.81	17.875		0.915	1/20
	+300.00	20.00	300.00	17.70	17.850		0.150	1/38
	+320.00	20.00	320.00	17.71	17.825		0.125	1/200
	+340.00	20.00	340.00	17.43	17.775		0.345	1/1000
	+360.00	20.00	360.00	17.69	17.75		0.060	
	+380.00	20.00	380.00	17.60	18.48		0.880	
154° 49'	IP 2	12.50	392.50	17.55	18.94		1.390	
	+400.00	7.50	400.00	17.52	19.220		1.700	
	+420.00	20.00	420.00	18.18	18.68		0.500	
	+440.00	20.00	440.00	18.20	18.15	0.050		
	+460.00	20.00	460.00	18.18	18.25		0.070	
	+480.00	20.00	480.00	18.47	18.35	0.120		
	+500.00	20.00	500.00	18.46	18.37	0.090		
	+520.00	20.00	520.00	18.43	18.39	0.040		
	+540.00	20.00	540.00	18.22	18.41		0.019	
	+560.00	10.50	549.50	18.37	18.42	0.200	0.050	
	+580.00	20.00	580.00	18.55	18.45	0.100		
	+600.00	20.00	600.00	18.68	18.55	0.130		
	+620.00	20.00	620.00	19.01	18.65	0.360		
	+640.00	20.00	640.00	19.16	18.75	0.410		
	+660.00	20.00	660.00	19.04	18.85	0.180		
	+680.00	20.00	680.00	19.07	18.95	0.120	0.310	
	+700.00	20.00	700.00	18.74	19.05		0.190	
	+720.00	20.00	720.00	18.96	19.15		0.260	
	+740.00	20.00	740.00	18.99	19.25		0.240	
	+760.00	20.00	760.00	19.11	19.35		0.017	
	IP 4	19.40	779.00	19.43	19.47		0.010	
+780.00	0.60	780.00	19.44	19.45				

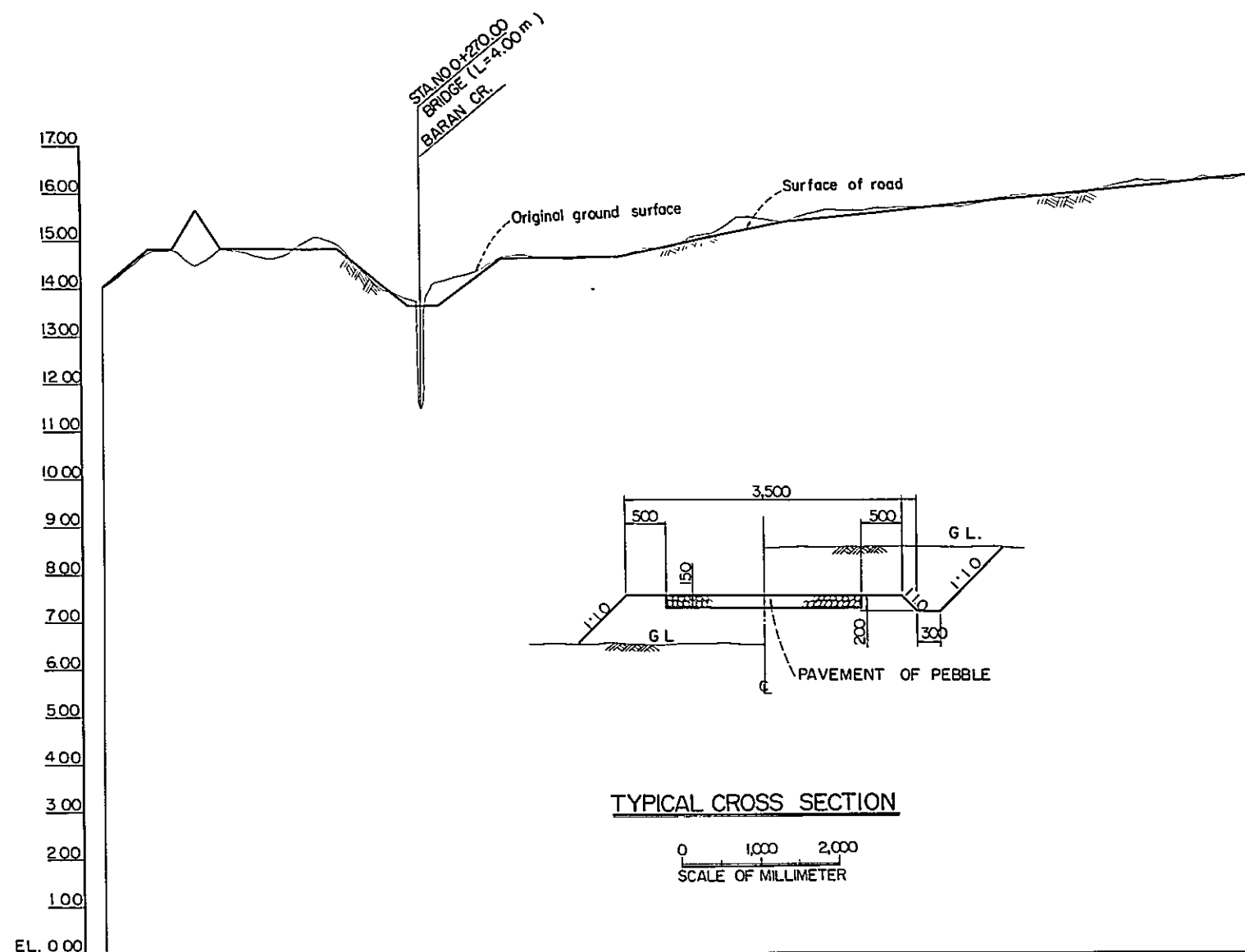
NOTES

All dimensions are given in millimeters
All stations and elevations are given in meters.

Horizontal scale 0 50 100
SCALE OF METER

Vertical scale 0 1 2 3
SCALE OF METER

THE PHILIPPINES RICE AND CORN PRODUCTION COORDINATING COUNCIL REGIONAL RICE PRODUCTION CENTER SANMIGUEL - ALANGALANG ACCESS ROAD I PROFILE			
OVERSEAS TECHNICAL COOPERATION AGENCY GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO	1 OF 1	DRAWING NO	S-51



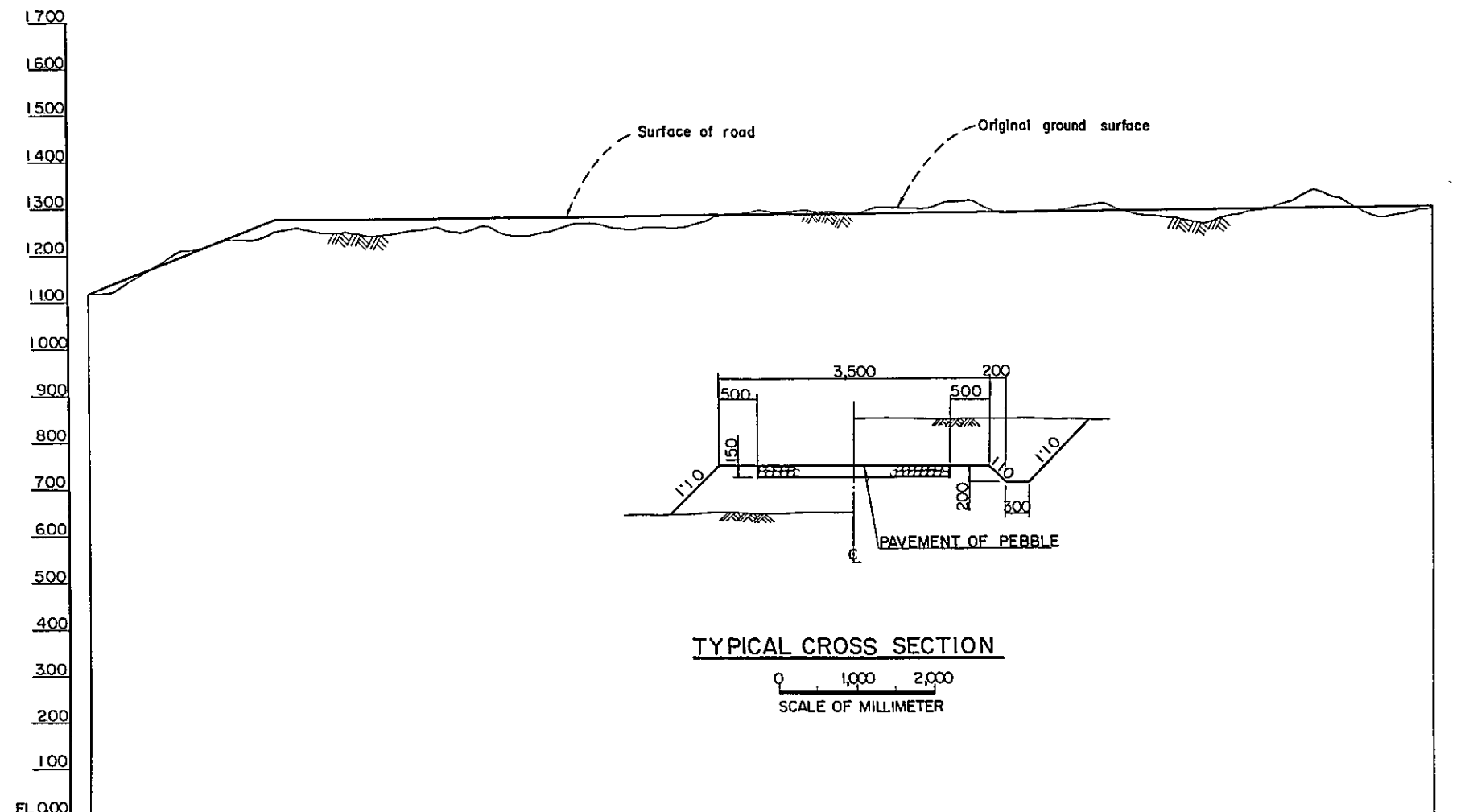
GRADE	1/50	LEVEL	1/25	LEVEL	1/50	LEVEL	1/50	LEVEL	1/200	LEVEL	1/400	LEVEL
RIGHT ELEV.	14.00	14.34	14.40	14.80	14.80	14.79	14.80	14.80	14.80	14.80	14.80	14.80
CUTTING DEPTH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RIGHT ELEV.	14.00	14.34	14.40	14.80	14.80	14.79	14.80	14.80	14.80	14.80	14.80	14.80
GROUND ELEV.	14.00	14.34	14.40	14.80	14.80	14.79	14.80	14.80	14.80	14.80	14.80	14.80
ACCUM. DIST.	0.00	20.00	40.00	60.00	80.00	100.00	120.00	140.00	160.00	180.00	200.00	220.00
ST. A.	NO 0	+20.00	+40.00	+60.00	+80.00	+100.00	+120.00	+140.00	+160.00	+180.00	+200.00	+220.00
CURVE	135° 34' 167° 43' 135° 16'											

NOTES

All dimensions are given in millimeters.
All stations and elevations are given in meters

Horizontal scale 0 50 100
SCALE OF METER
Vertical scale 0 1 2 3
SCALE OF METER

THE PHILIPPINES RICE AND CORN PRODUCTION COORDINATING COUNCIL			
REGIONAL RICE PRODUCTION CENTER SANMIGUEL — ALANGALANG			
ACCESS ROAD II PROFILE			
OVERSEAS TECHNICAL COOPERATION AGENCY GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO	1 OF 1	DRAWING NO	S - 52



CURVE	STA.	DIST. FROM STA.	ACCUM. DIST.	PROP. DIST. ELEV.	PROP. DIST. ELEV.	CUTTING DEPTH	RIGHT OF WAY
	NO 0	000	000	11 16	11 16	0 15	
	+ 20	2000	2000	11 21	11 36	0 07	
	+ 40		4000	11 49	11 56	0 03	
	+ 60		6000	11 79	11 76	0 14	
	+ 80		8000	12 10	11 96		
	+ 100		10000	12 16	12 16		
	+ 120		12000	12 32	12 36	0 04	
	+ 140		14000	12 32	12 56	0 24	
	+ 160		16000	12 50	12 76	0 25	
	+ 180		18000	12 59	12 77	0 18	
	+ 200		20000	12 48	12 77	0 29	
	+ 220		22000	12 50	12 78	0 28	
	+ 240		24000	12 43	12 78	0 35	
	+ 260		26000	12 45	12 79	0 34	
	+ 280		28000	12 52	12 79	0 27	
	+ 300		30000	12 60	12 80	0 20	
	+ 320		32000	12 48	12 80	0 32	
	+ 340		34000	12 64	12 81	0 17	
	+ 360		36000	12 63	12 81	0 16	
	+ 380		38000	12 44	12 81	0 37	
	+ 400		40000	12 43	12 82	0 39	
	+ 420		42000	12 53	12 82	0 29	
	+ 440		44000	12 68	12 83	0 15	
	+ 460		46000	12 67	12 83	0 16	
	+ 480		48000	12 56	12 84	0 28	
	+ 500		50000	12 58	12 85	0 26	
	+ 520		52000	12 61	12 85	0 27	
	+ 540		54000	12 79	12 86	0 24	
	+ 560		56000	12 88	12 86	0 07	
	+ 580		58000	12 95	12 87	0 02	
	+ 600		60000	12 91	12 87	0 08	
	+ 620		62000	12 94	12 88	0 04	
	+ 640		64000	12 92	12 88	0 06	
	+ 660		66000	12 88	12 89	0 04	
	+ 680		68000	13 00	12 89	0 11	
	+ 700		70000	13 02	12 90	0 12	
	+ 720		72000	12 96	12 90	0 08	
	+ 740		74000	13 12	12 91	0 21	
	+ 760		76000	13 15	12 91	0 24	
	+ 780		78000	12 93	12 92	0 01	
	+ 800		80000	12 88	12 92	0 04	
	+ 820		82000	12 95	12 93	0 02	
	+ 840		84000	12 94	12 93	0 01	
	+ 860		86000	13 05	12 94	0 11	
	+ 880		88000	13 08	12 94	0 14	
	+ 900		90000	12 91	12 95	0 04	
	+ 920		92000	12 81	12 95	0 14	
	+ 940		94000	12 78	12 95	0 16	
	+ 960		96000	12 77	12 96	0 19	
	+ 980		98000	12 68	12 96	0 28	
	+ 1000		100000	12 79	12 97	0 18	
	+ 1020		102000	12 89	12 97	0 08	
	+ 1040		104000	12 96	12 98	0 02	
	+ 1060		106000	13 14	12 98	0 16	
	+ 1080		108000	13 36	12 99	0 37	
	+ 1100		110000	13 19	12 99	0 20	
	+ 1120		112000	12 91	13 00	0 09	
	+ 1140		114000	12 79	13 00	0 21	
	+ 1160		116000	12 89	13 01	0 12	
	+ 1180		118000	12 95	13 01	0 06	
	+ 1200		120000	12 97	13 01	0 04	

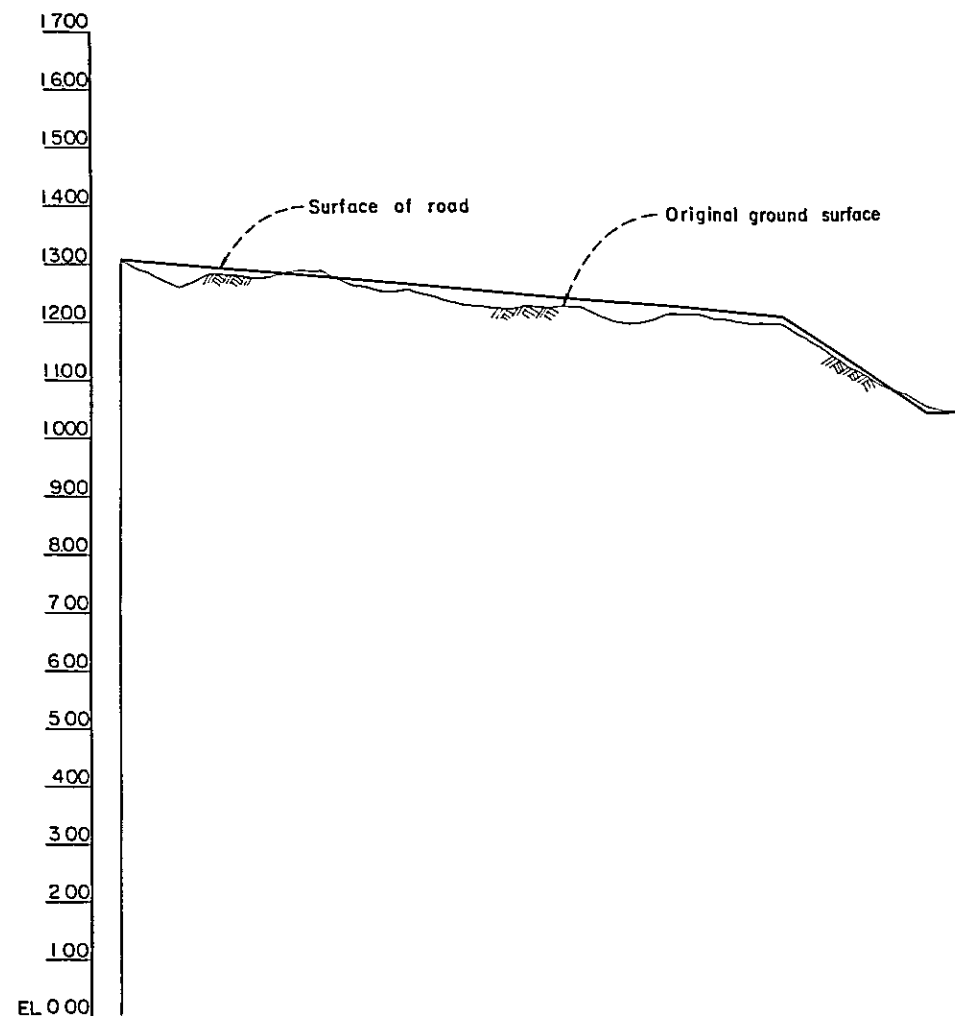
NOTES

All dimensions are given in millimeters
All stations and elevations are given in meters.

Horizontal scale 0 50 100
SCALE OF METER

Vertical scale 0 1 2 3
SCALE OF METER

THE PHILIPPINES			
RICE AND CORN PRODUCTION COORDINATING COUNCIL			
REGIONAL RICE PRODUCTION CENTER			
SANMIGUEL - ALANGALANG			
ACCESS ROAD III			
PROFILE (I)			
OVERSEAS TECHNICAL COOPERATION AGENCY			
GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO.	1 OF 2	DRAWING NO.	S-53



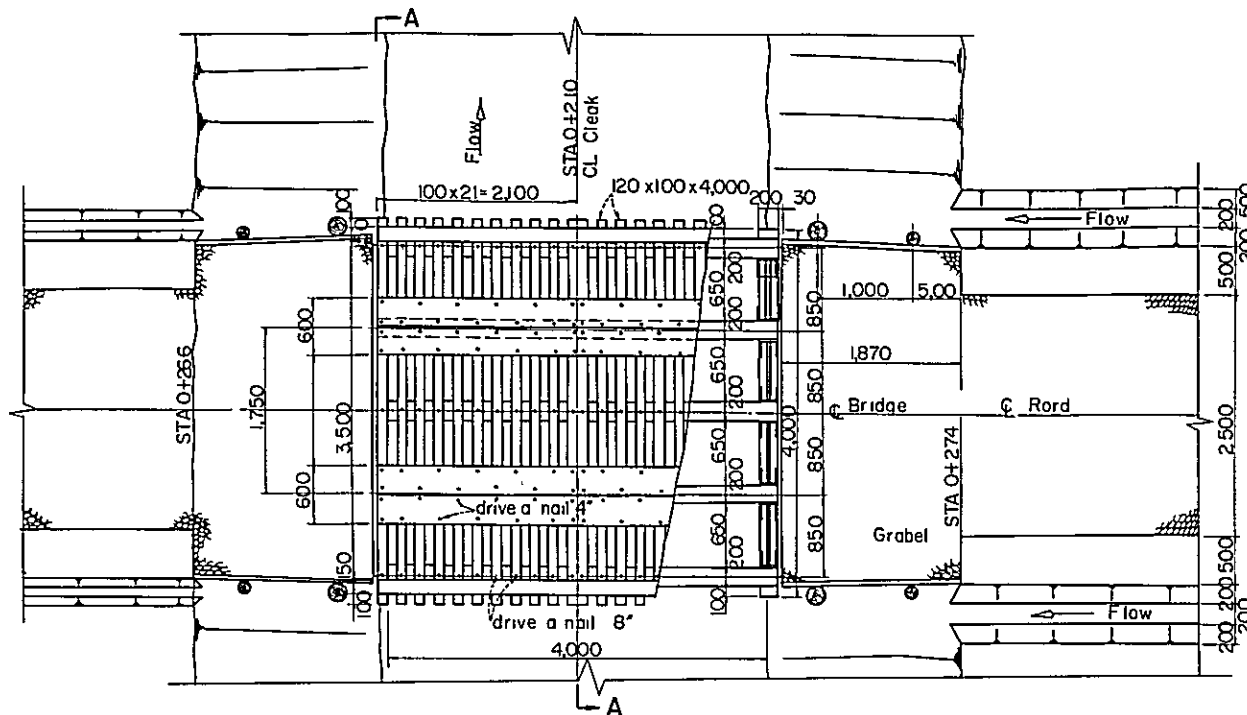
CURVE	STA	DIST. FROM STA	ACCUM. DIST.	GROUND ELEV.	PROP. CUTTING DEPTH	HEIGHT OF EMBANKMENT	GRADE
	+160	20.00	160.00	12.97	0.01	0.04	1/500
	+180		180.00	12.77	0.20	0.20	
	+200		200.00	12.53	0.40	0.40	
	+220		220.00	12.74	0.15	0.15	
	+240		240.00	12.73	0.12	0.12	
	+260		260.00	12.70	0.11	0.11	
	+280		280.00	12.79	0.02	0.02	
	+300		300.00	12.80	0.07	0.07	
	+320		320.00	12.57	0.12	0.12	
	+340		340.00	12.49	0.17	0.17	
	+360		360.00	12.48	0.12	0.12	
	+380		380.00	12.37	0.20	0.20	
	+400		400.00	12.25	0.28	0.28	
	+420		420.00	12.19	0.30	0.30	
	+440		440.00	12.23	0.22	0.22	
	+460		460.00	12.20	0.21	0.21	
	+480		480.00	12.19	0.18	0.18	
	+500		500.00	11.97	0.36	0.36	
	+520		520.00	11.92	0.37	0.37	
	+540		540.00	12.06	0.19	0.19	
	+560		560.00	12.07	0.14	0.14	
	+580		580.00	12.00	0.17	0.17	
	+600		600.00	11.93	0.20	0.20	
	+620		620.00	11.94	0.16	0.16	
	+640		640.00	11.62	0.13	0.13	
	+660		660.00	11.31	0.12	0.12	
	+680		680.00	11.00	0.09	0.09	
	+700		700.00	10.75	0.01	0.01	
	+720		720.00	10.50	0.07	0.07	
	+740		740.00	10.45	0.02	0.02	
	+7425	4.25	7425.00	10.43	0.02	0.02	Level

NOTES

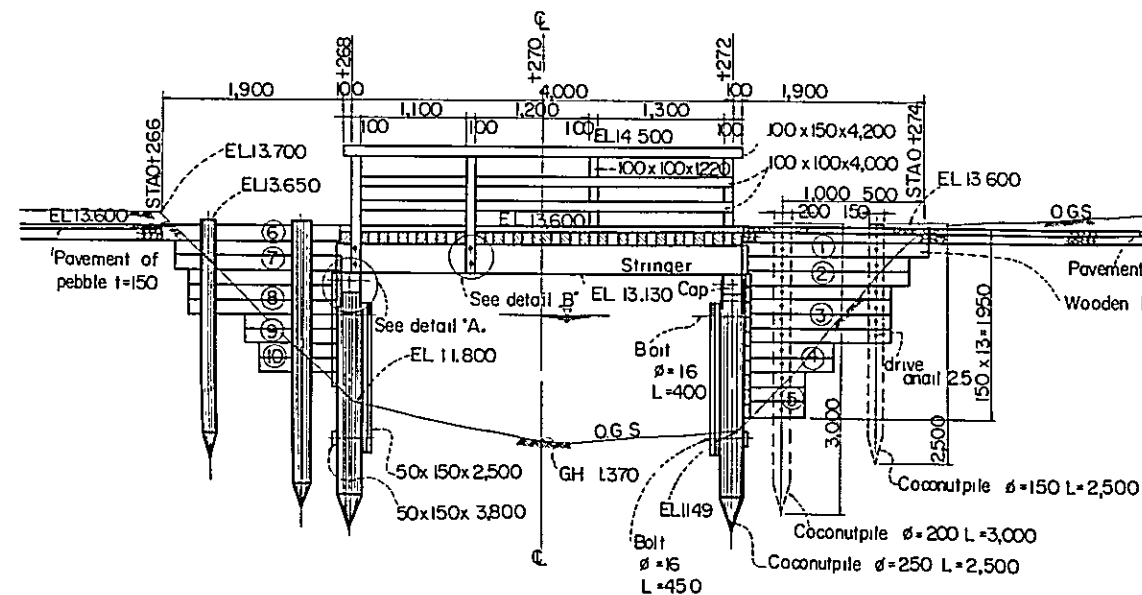
All dimensions are given in millimeters
All stations and elevations are given in meters.

Horizontal scale 0 50 100
SCALE OF METER
Vertical scale 0 1 2 3
SCALE OF METER

THE PHILIPPINES RICE AND CORN PRODUCTION COORDINATING COUNCIL			
REGIONAL RICE PRODUCTION CENTER SANMIGUEL - ALANGALANG			
ACCESS ROAD III PROFILE (2)			
OVERSEAS TECHNICAL COOPERATION AGENCY GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO	2 OF 2	DRAWING NO	S-54



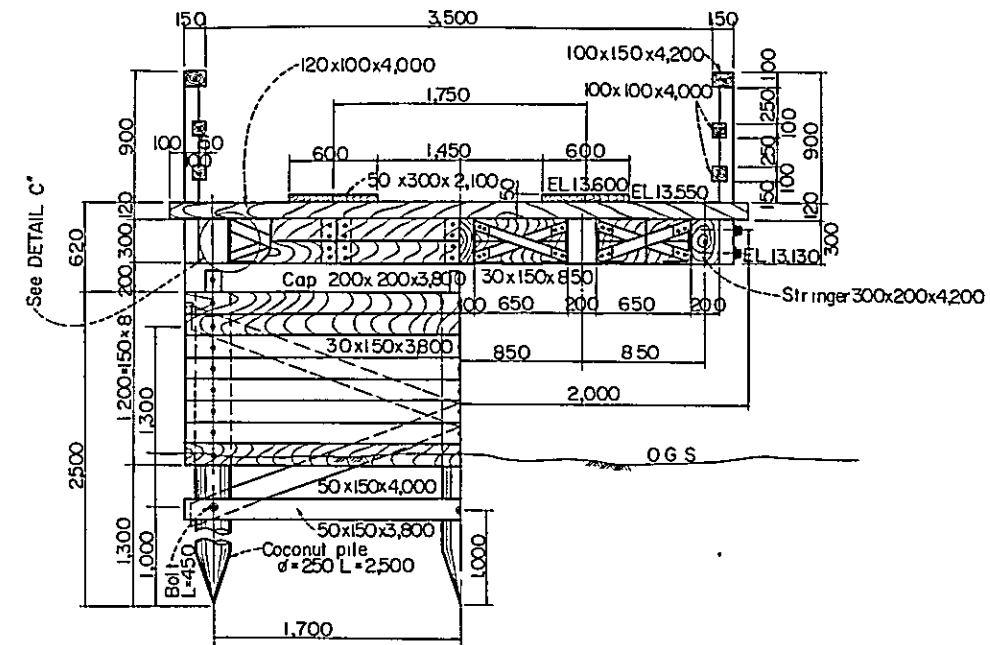
PLAN
0,000 1,000 2,000
SCALE OF MILLIMETER



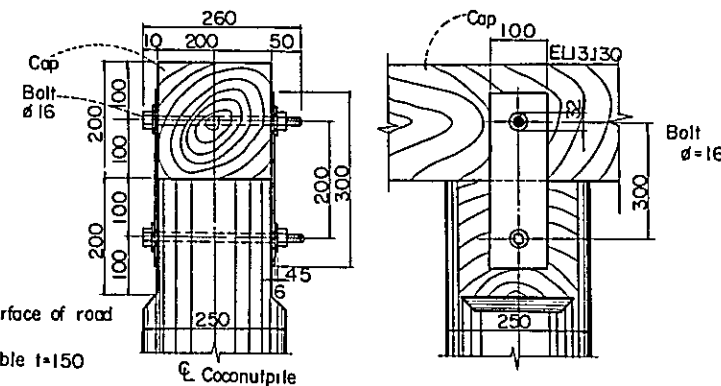
ELEVATION
0,000 1,000 2,000
SCALE OF MILLIMETER

WOODEN BOARD SIZE TABLE

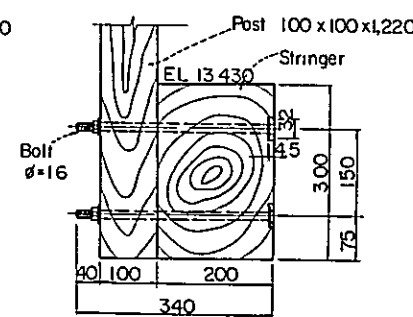
NUMBER	SIZE mm
1	30x150x1,900(2)
2	30 x150 x 1,680
3	30 x150 x 1,480
4	30 x150 x 900
5	30 x150 x 600
6	30 x150 x 1,900
7	30 x150 x 1,700
8	30 x150 x 1,500
9	30 x150 x 900
10	30 x150 x 700



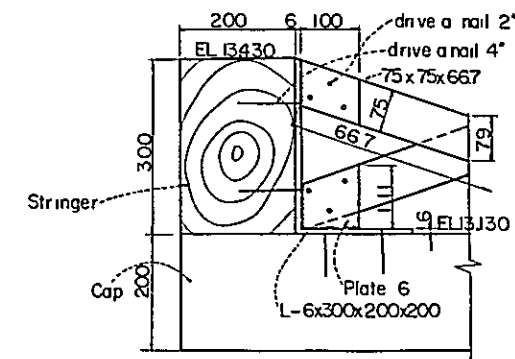
SECTION A-A
0,000 1,000 2,000
SCALE OF MILLIMETER



DETAIL A
0 100 200
SCALE OF MILLIMETER



DETAIL B
000 100 200
SCALE OF MILLIMETER



DETAIL C
000 100 200
SCALE OF MILLIMETER

NOTES

All dimensions are given in millimeters.

All stations and elevations are given in meters.

Bridge designed for one lane of T-6 loading.

All lumber to be treated.

Unit stress of timber and lumber.

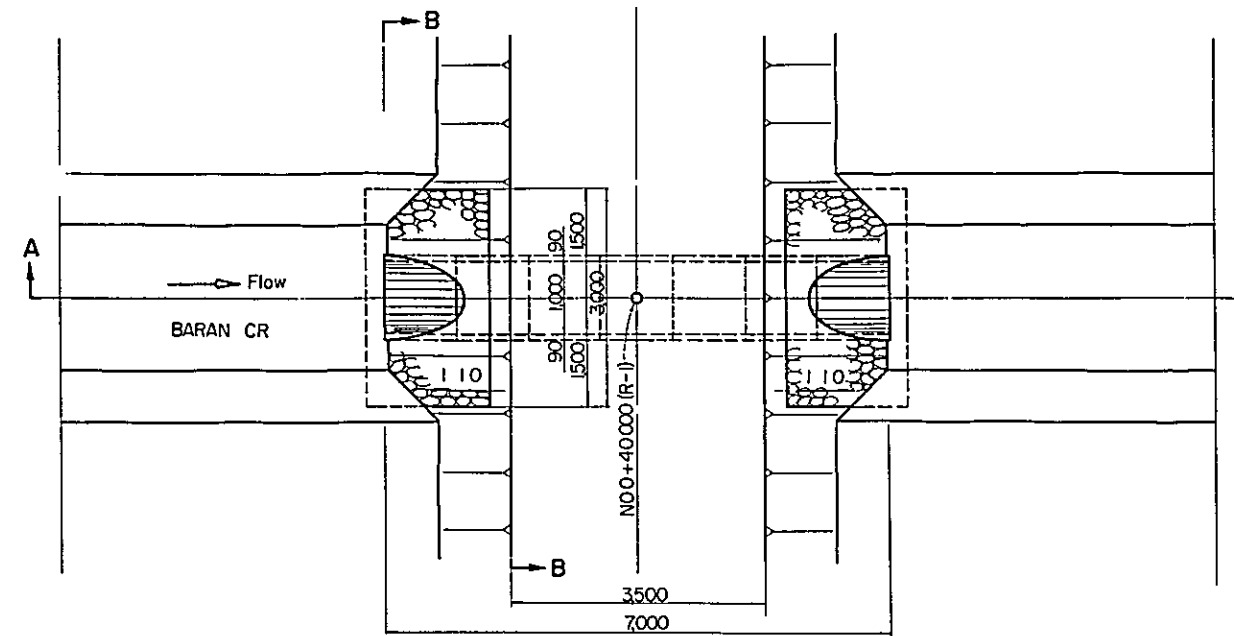
Bending ----- 90 kg/cm²

Compression (columns) ----- 70 kg/cm²

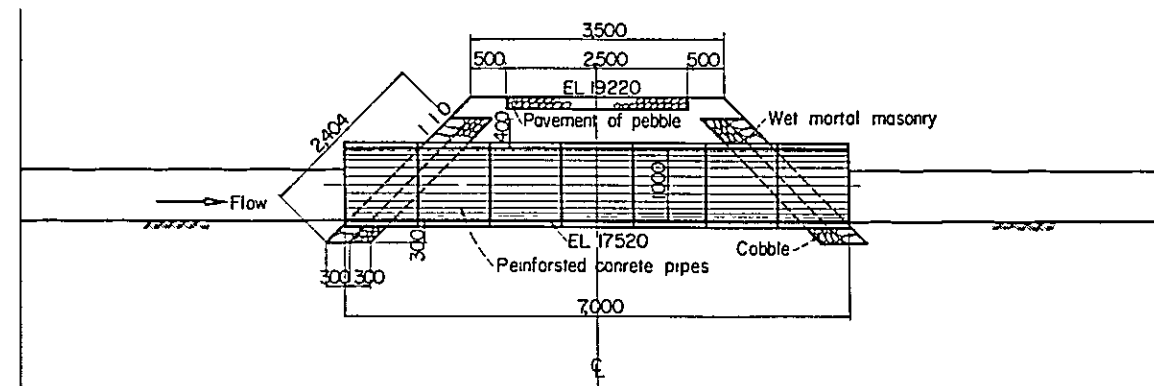
Blaring ----- 20 kg/cm²

Horizontal shear ----- 8 kg/cm²

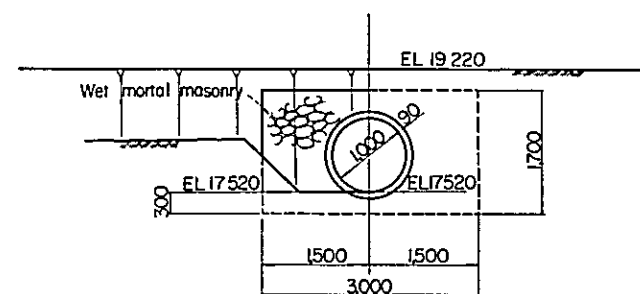
Non-convulsive studs and nuts.



PLAN



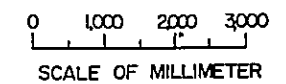
SECTION A-A



SECTION B-B

NOTES

All dimensions are given in millimeters
All stations and elevations are given in meters



THE PHILIPPINES			
RICE AND CORN PRODUCTION COORDINATING COUNCIL			
REGIONAL RICE PRODUCTION CENTER			
SANMIGUEL - ALANGALANG			
ACCESS ROAD I CULVERT			
PLAN AND SECTION			
OVERSEAS TECHNICAL COOPERATION AGENCY			
GOVERNMENT OF JAPAN			
SCALE	AS SHOWN	DATE	
SHEET NO	1 OF 1	DRAWING NO	S-56

