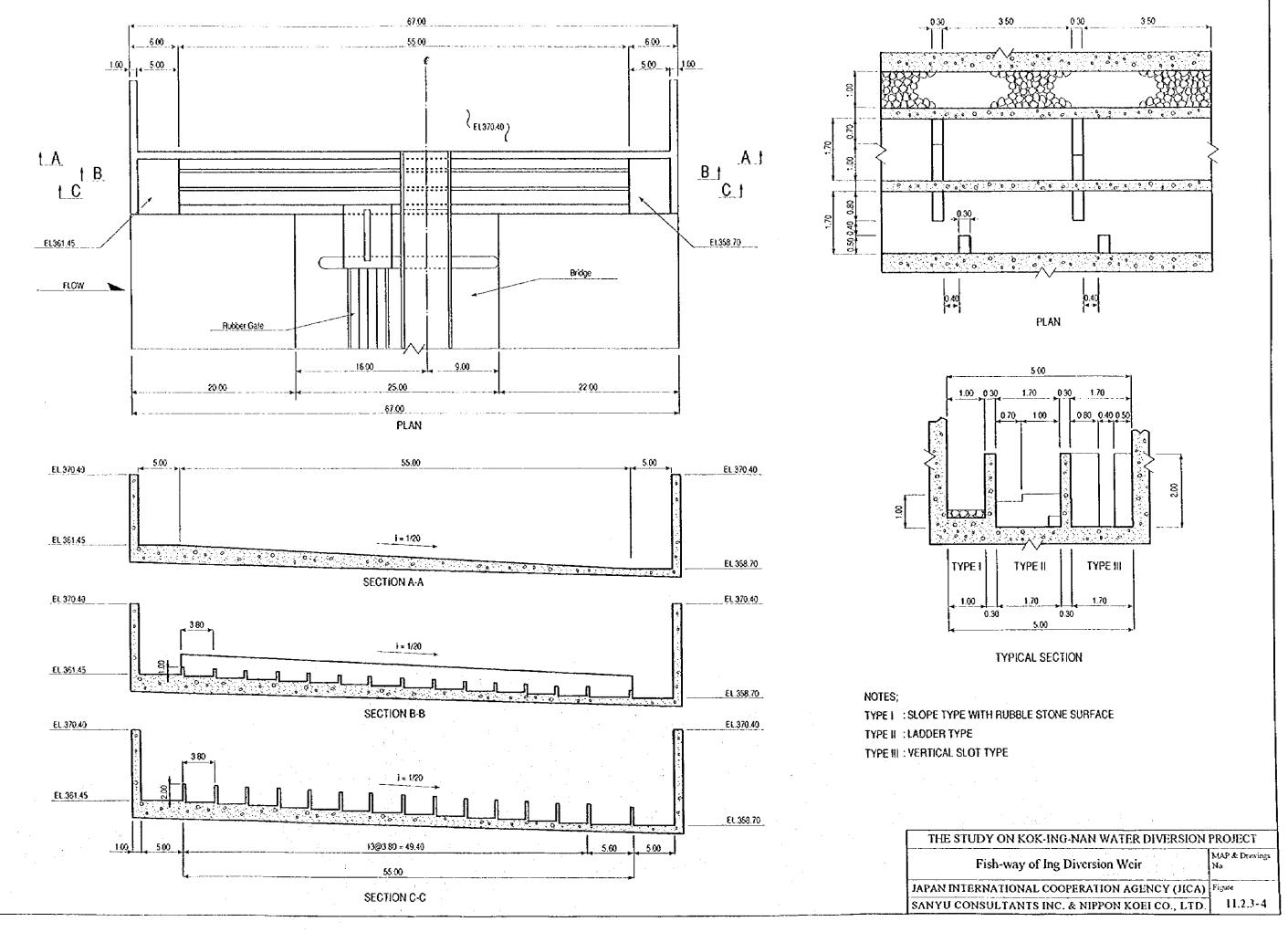
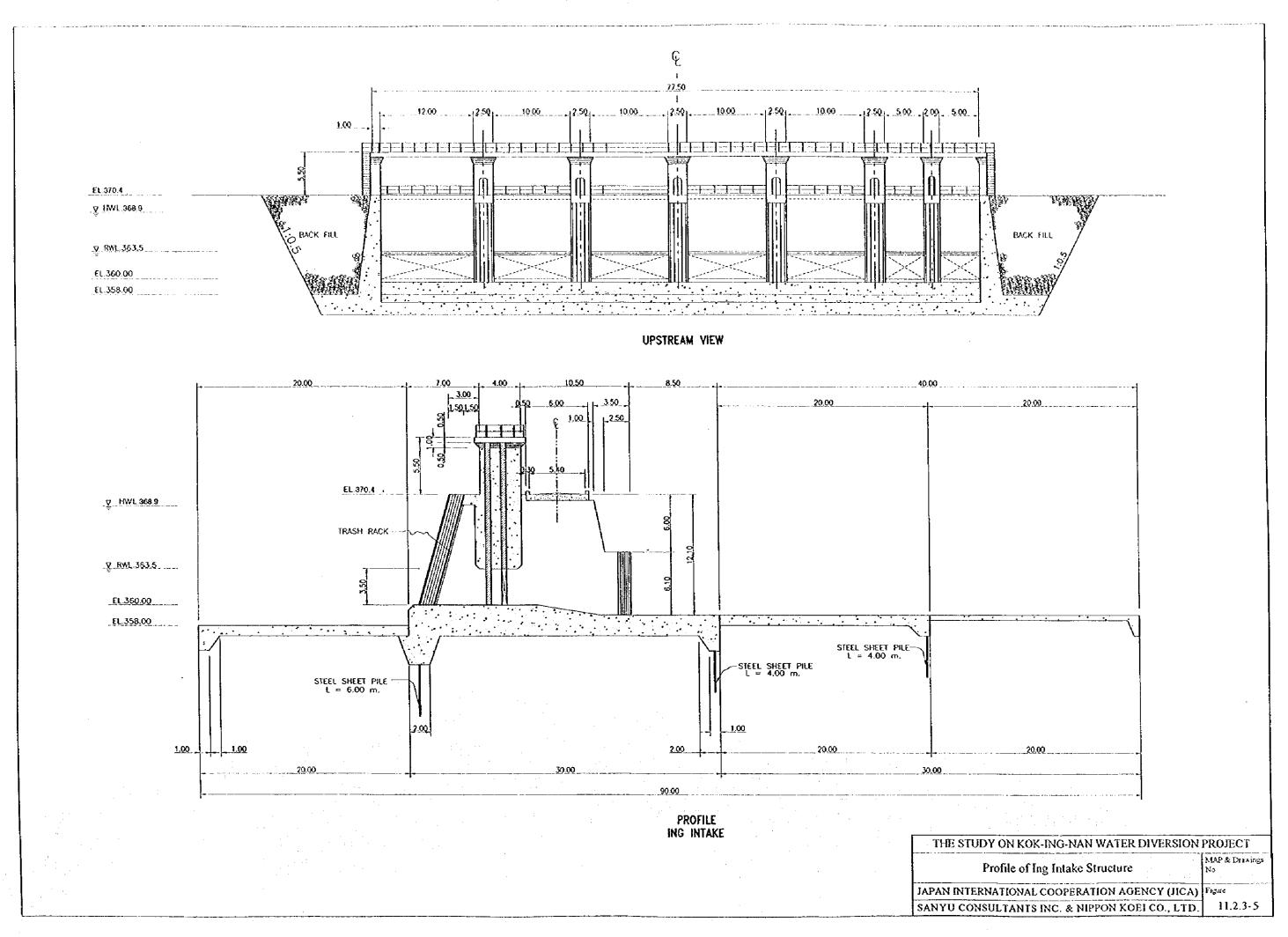


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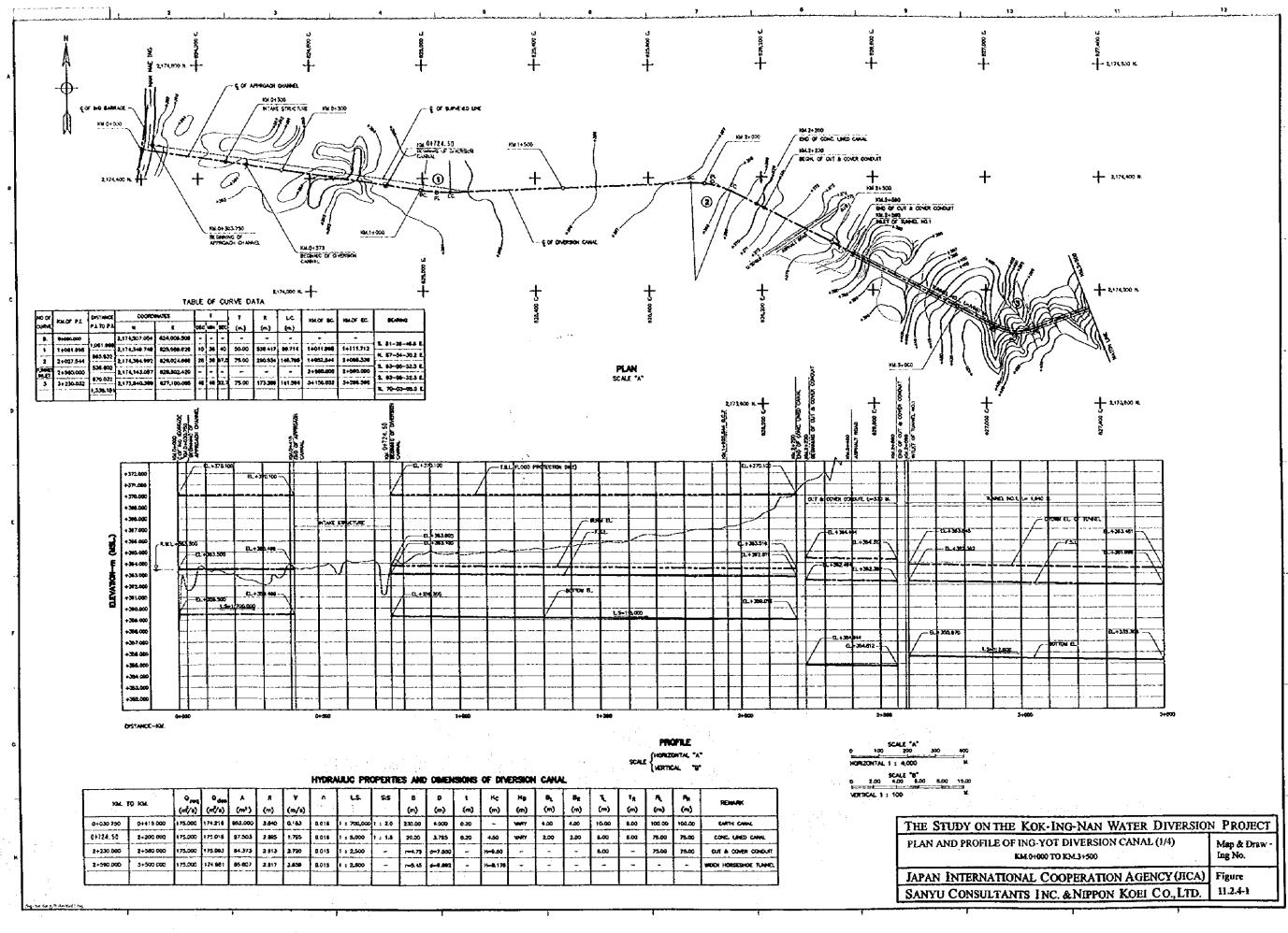
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THE STUDY ON KOK-ING-NAN WATER DIVERSION	PROJECT	
Profile of Ing Diversion Weir	MAP & Drawings No.	
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) SANYU CONSULTANTS INC. & NIPPON KOEI CO., LTD.	Figure 11.2.3-3	



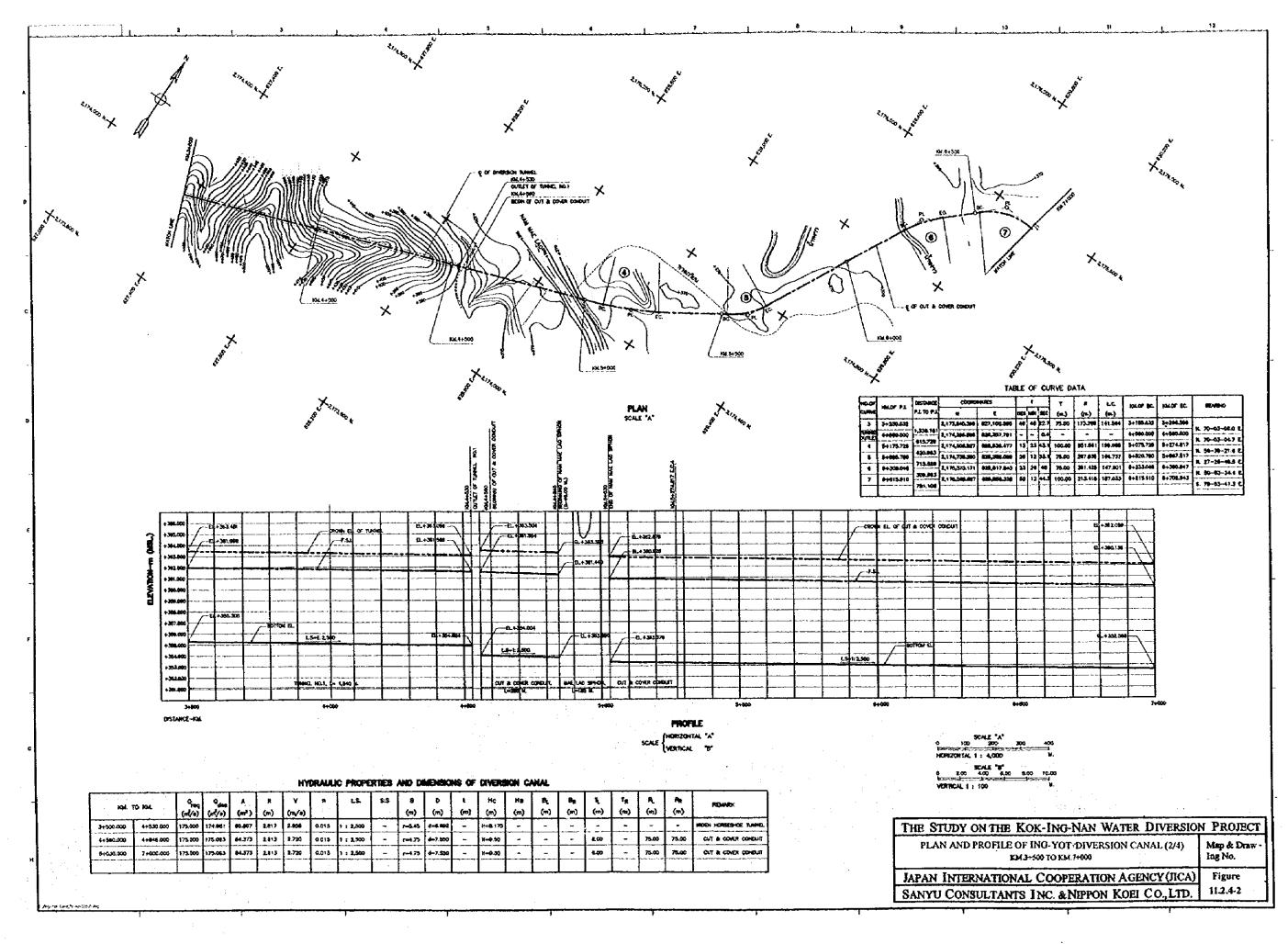
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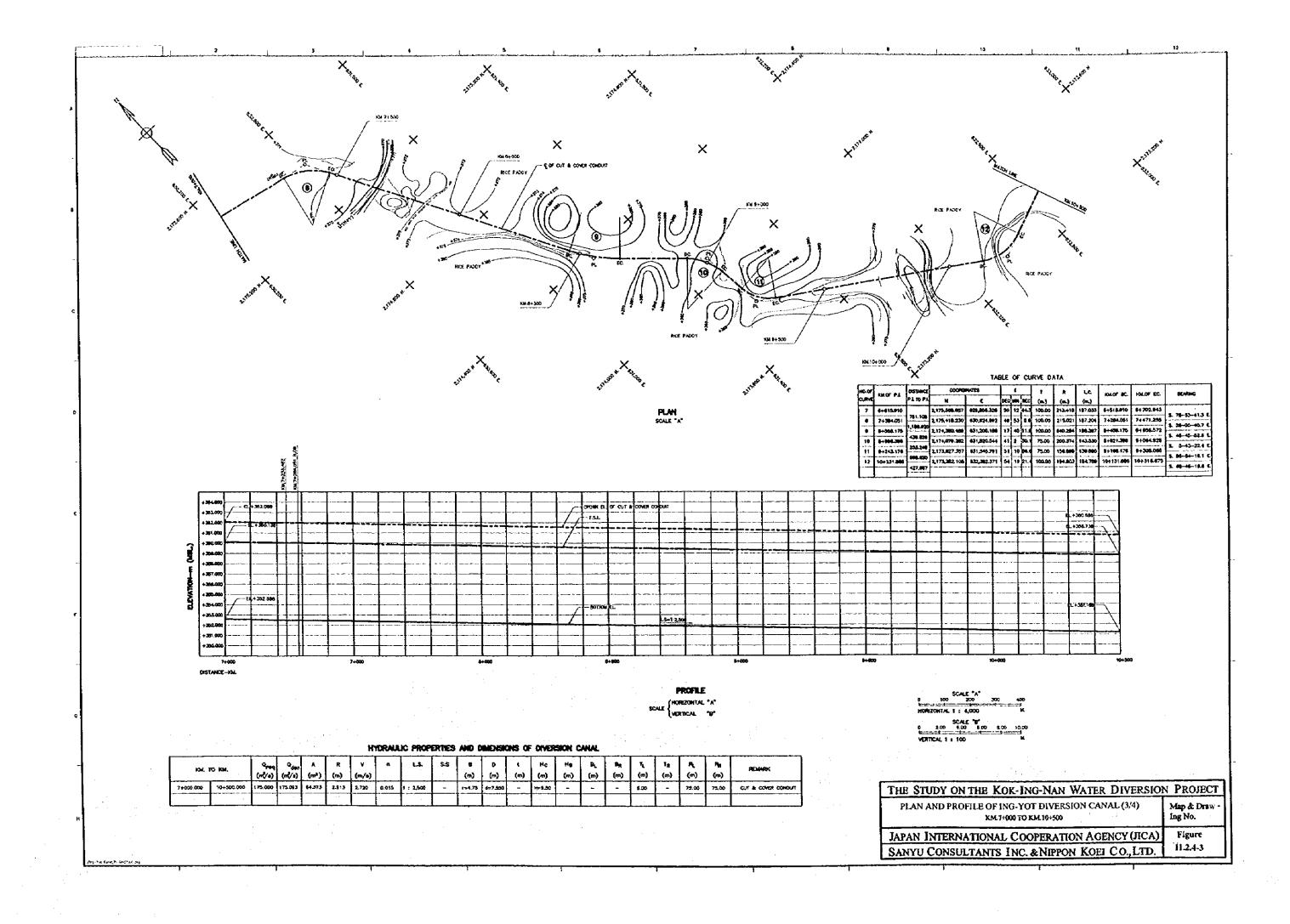
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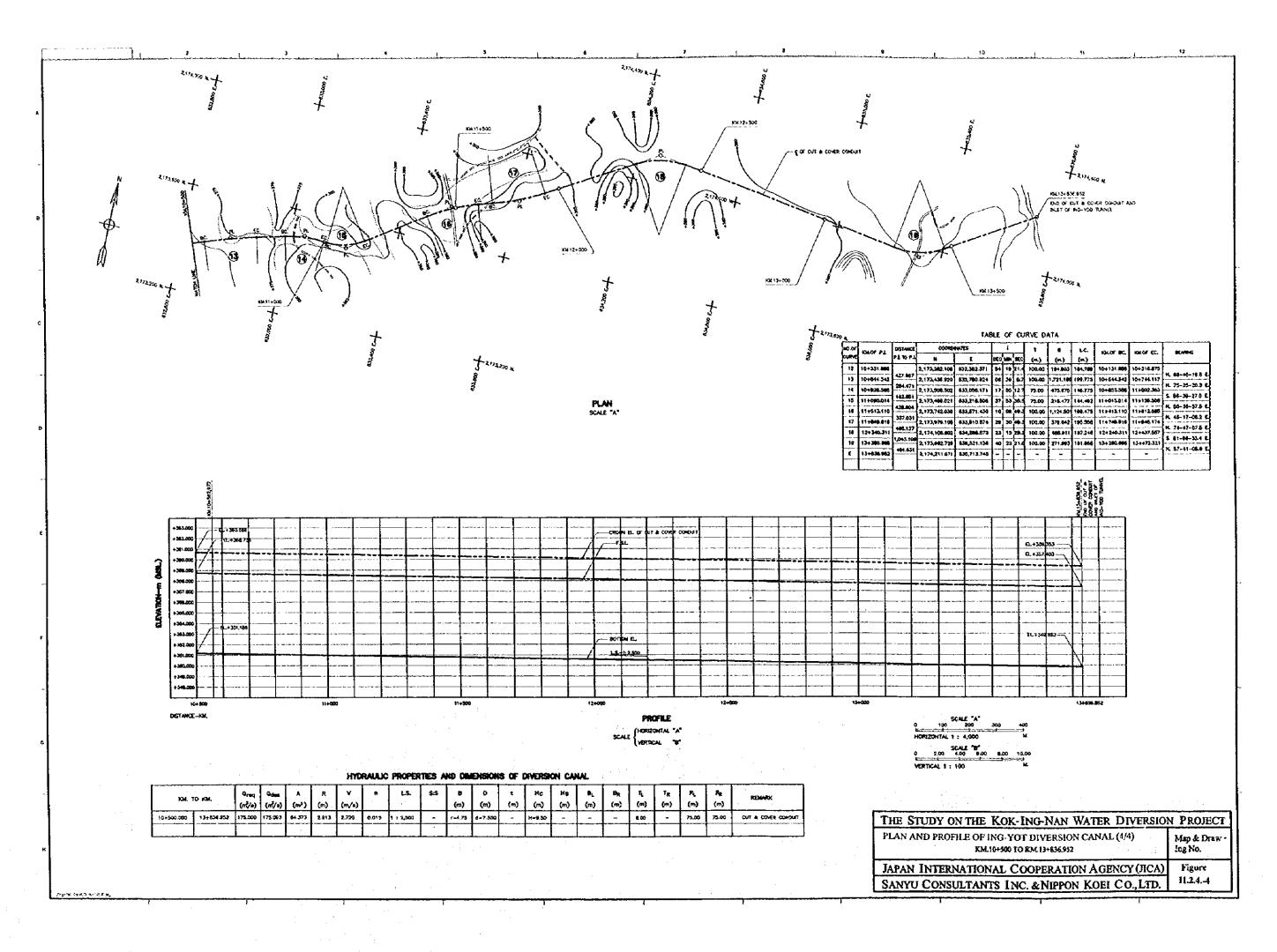
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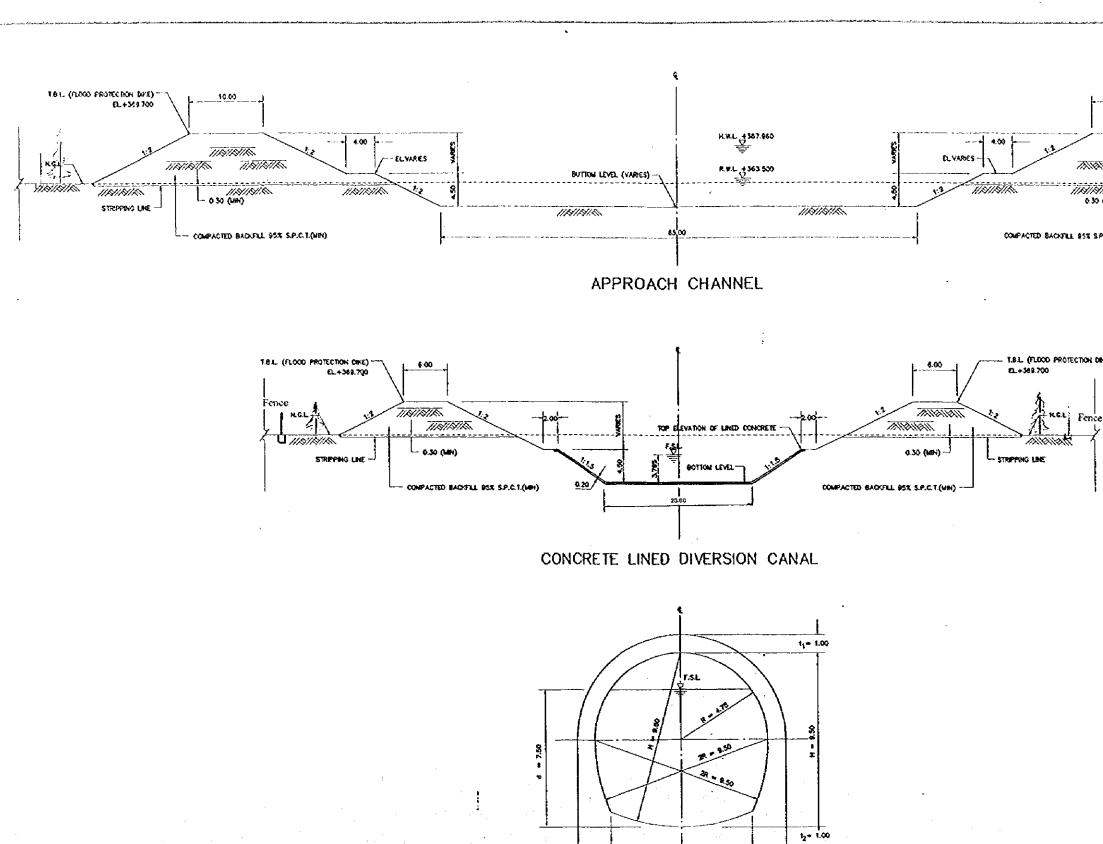
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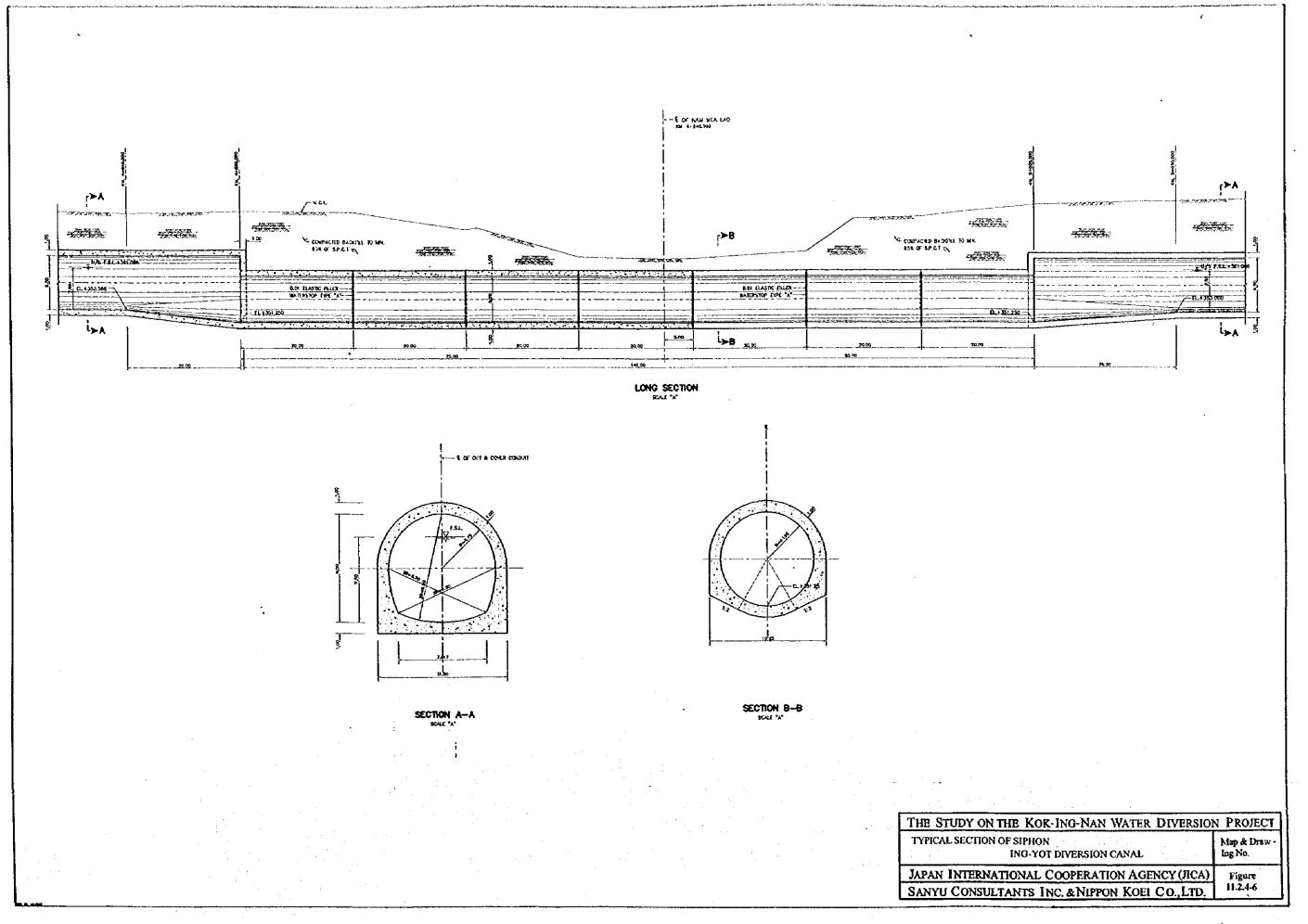


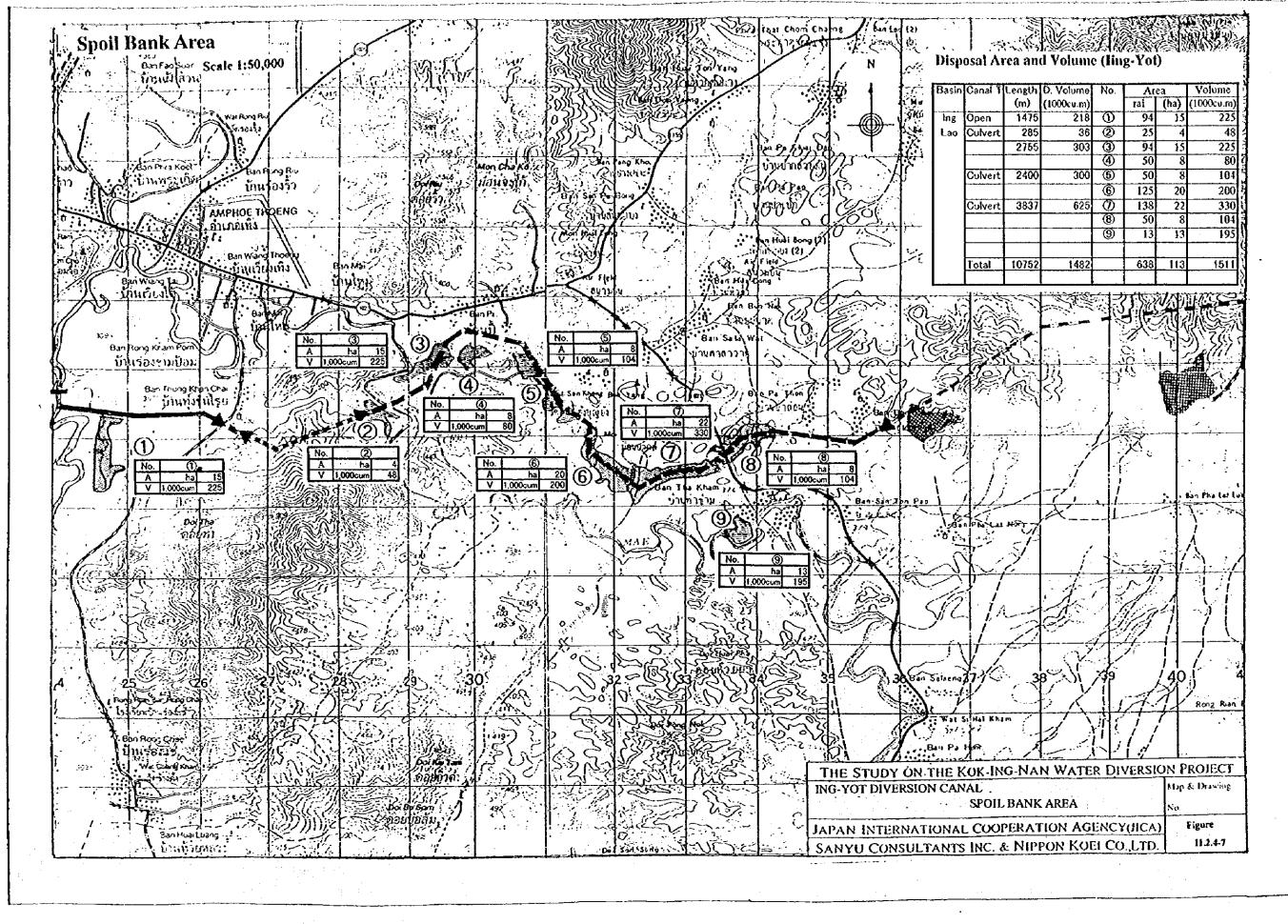
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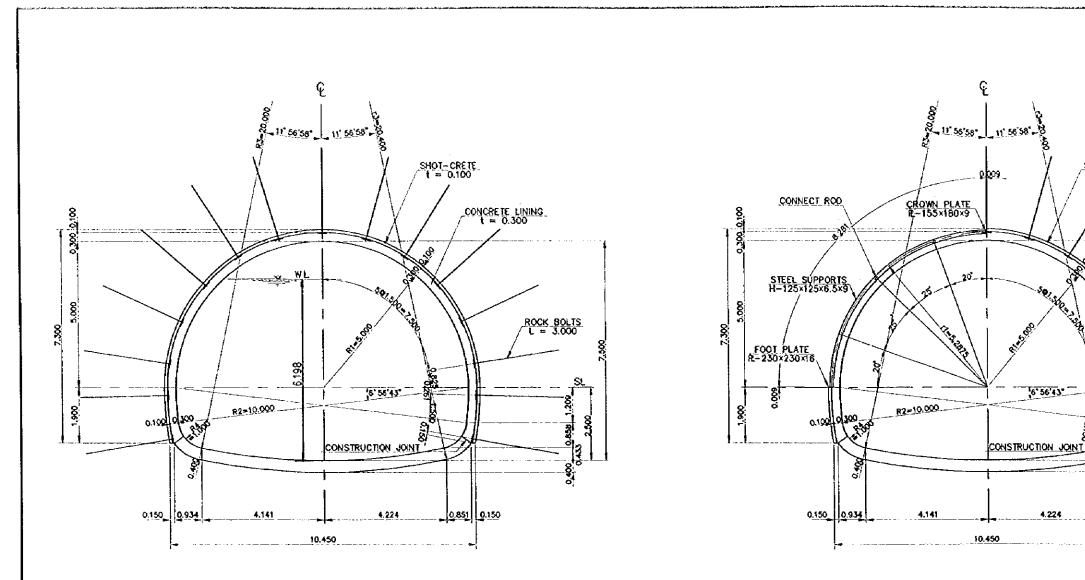
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> THE STUDY ON THE KOK-I ING-YOT DIVERSION CANAJ. TYPICAL SECTION OF JAPAN INTERNATIONAL CO SANYU CONSULTANTS INC

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NG-NAN WATER DIVERSION PROJECT
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FOPEN CANAL AND CULVERT Ing No.
2. & NIPPON KOEI CO., LTD. 11.2.4-5









QUANTITY PER METER AND/OR CYCLE OF TYPE C1

ITEM	UNIT	Q'TY
TUNNEL EXCAVATION	m³/m.	77.20
SHOTCRETE	m²/m.	20.50
ROCK BOLT	Nos./m.	15
STEEL ARCH SUPPORTING	ton/cycle	
CONCRETE LINING	m?/m.	12.30
REINFORCEMENT	ton/m.	

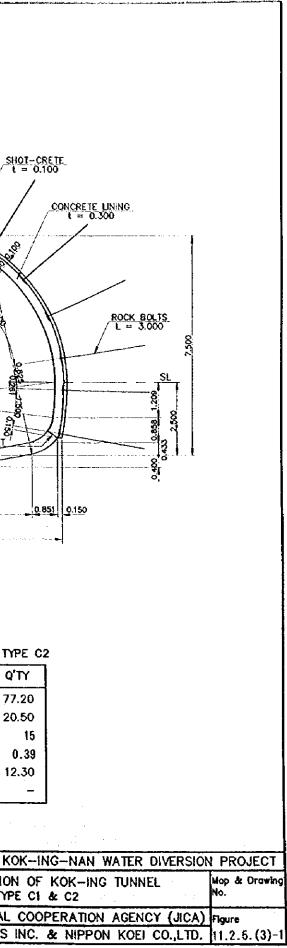


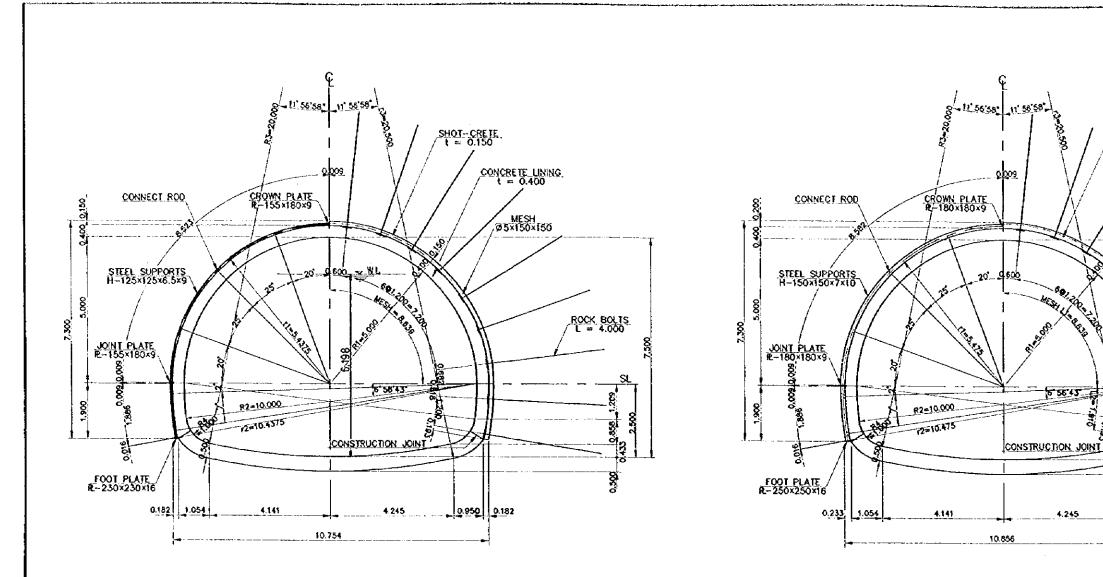
QUANTITY PER METER AND/OR CYCLE OF TYPE C2

ITEM	UNIT	Q'1
TUNNEL EXCAVATION	m³/m.	77.
SHOTCRETE	m²/m.	20.
ROCK BOLT	Nos./m.	
STEEL ARCH SUPPORTING	ton/cycle	0
CONCRETE LINING	m³/m.	12.
REINFORCEMENT	ton/m.	

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	THE STUDY ON THE KOK-
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	SANYU CONSULTANTS INC

SCALE





TYPE-D1

QUANTITY PER METER AND/OR CYCLE OF TYPE D1

ITEM	UNIT	Q'TY
TUNNEL EXCAVATION	m³/m.	81.50
SHOTCRETE	m²/m.	20.80
ROCK BOLT	Nos./m.	0.49
STEEL ARCH SUPPORTING	ton/cycle	0.54
CONCRETE LINING	m³/m.	15.50
REINFORCEMENT	ton/m.	-

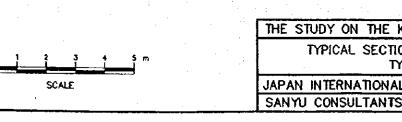


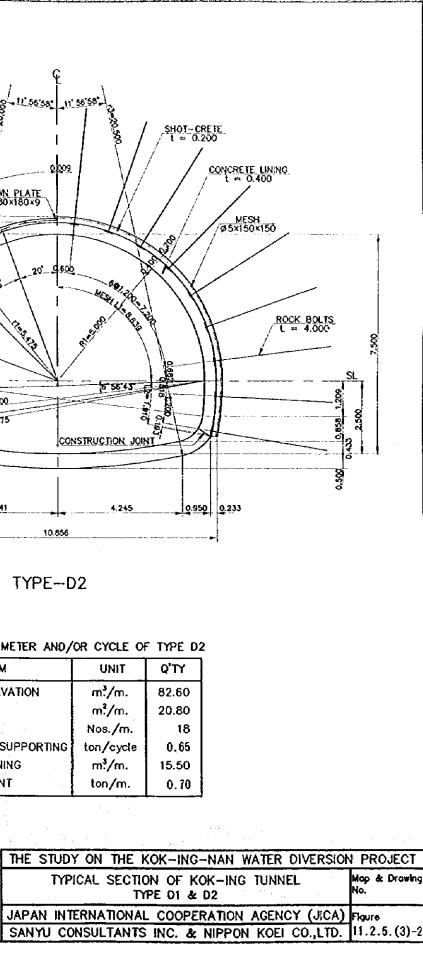
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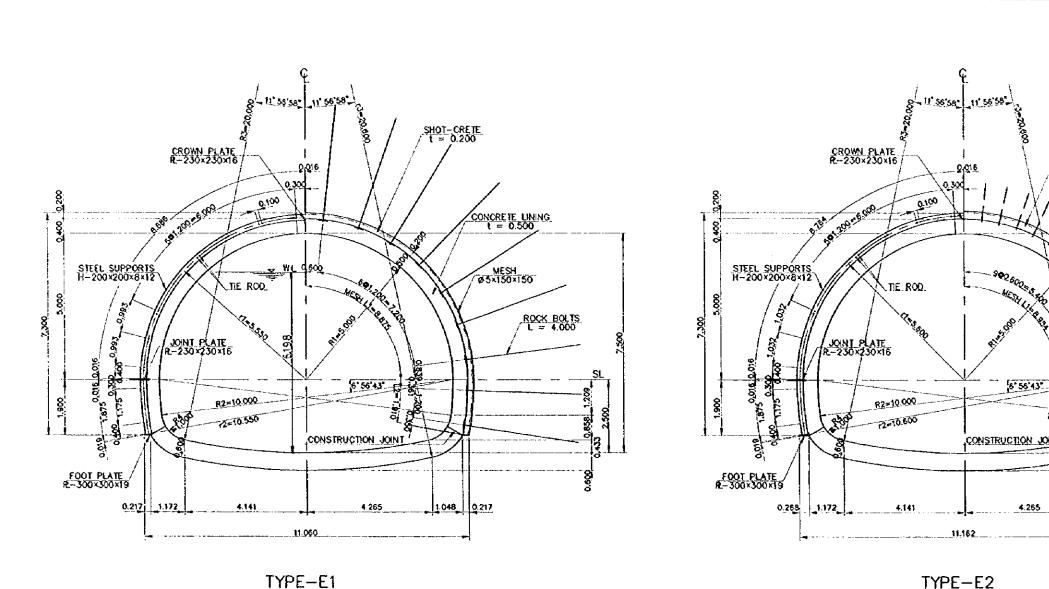
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QUANTITY PER METER AND/OR CYCLE OF TYPE D2

ITEM	UNIT	C
TUNNEL EXCAVATION	m³/m.	8
SHOTCRETE	<u>m²/m</u> .	2
ROCK BOLT	Nos./m.	
STEEL ARCH SUPPORTING	ton/cycle	
CONCRETE LINING	m³/m.	1
REINFORCEMENT	ton/m.	



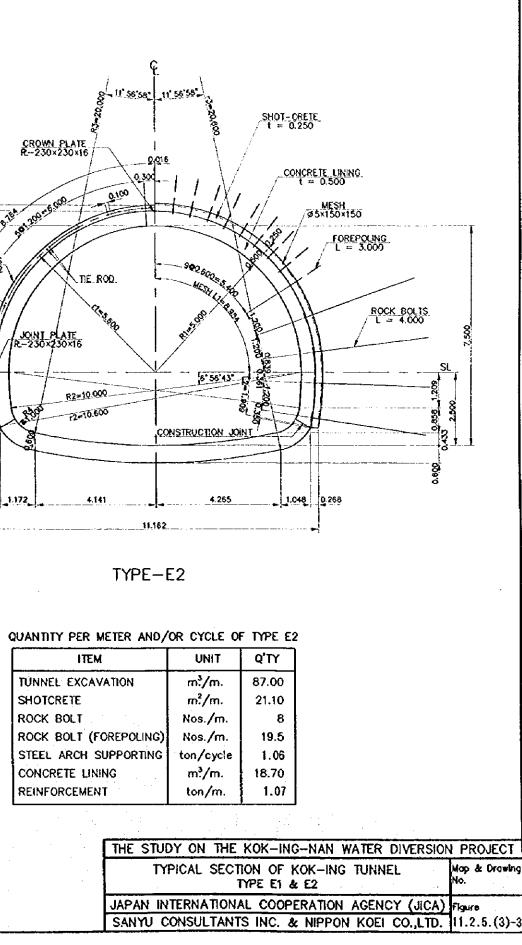




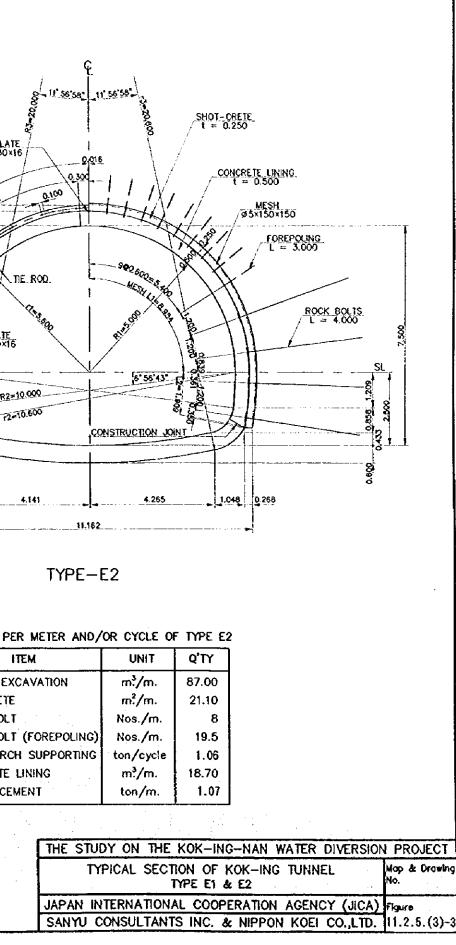
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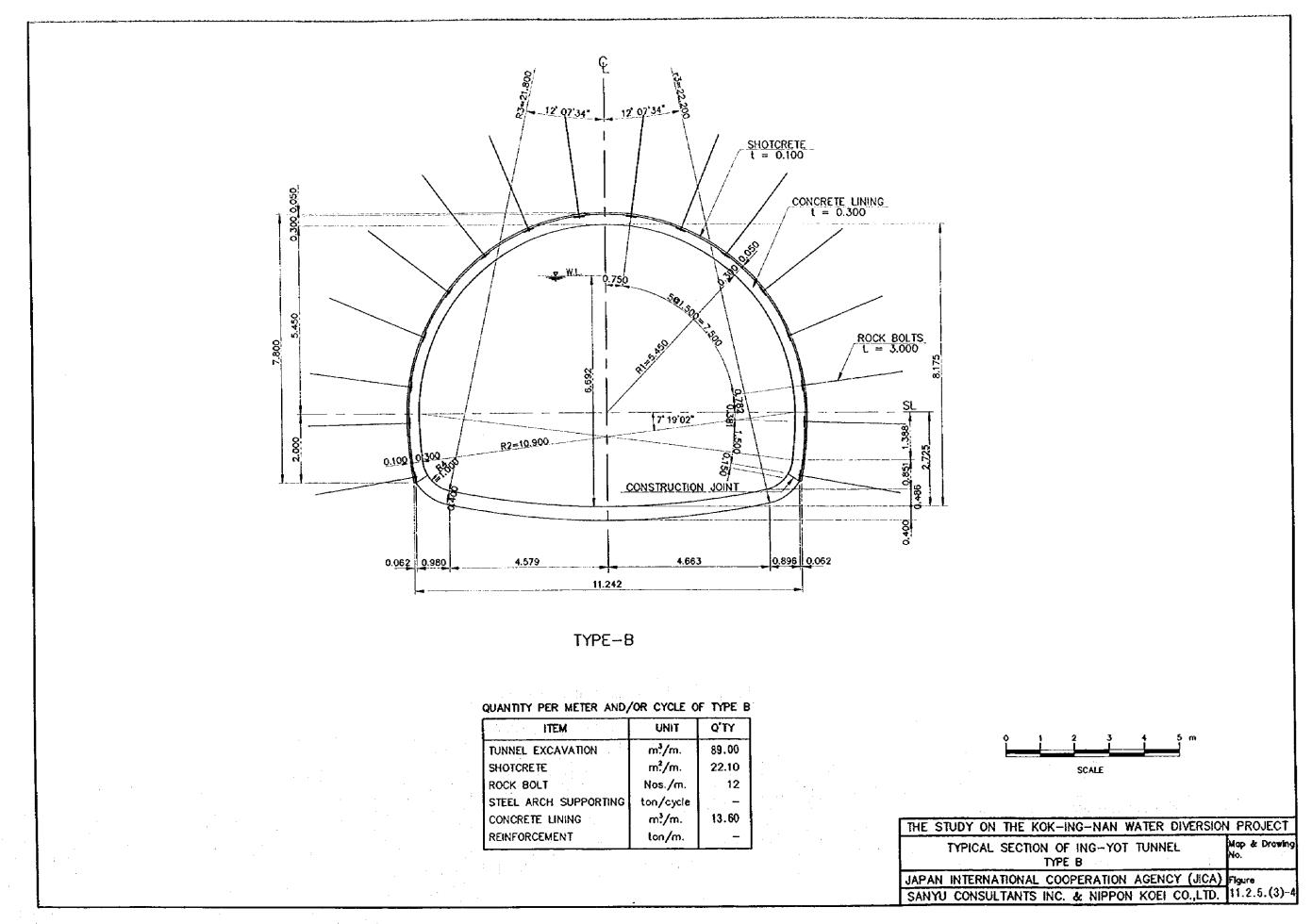
QUANTITY PER METER AND/OR CYCLE OF TYPE EI

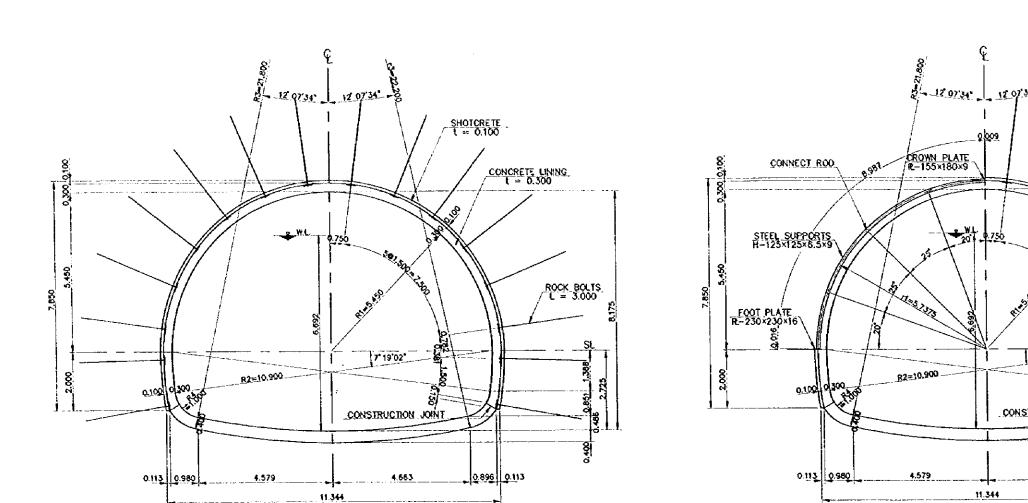
ITEM	UNIT	Q'TY
TUNNEL EXCAVATION	m³/m.	85.90
SHOTCRETE	m²/m.	21.10
ROCK BOLT	Nos./m.	18
STEEL ARCH SUPPORTING	ton/cycle	1.05
CONCRETE LINING	m³/m.	18,70
REINFORCEMENT	ton/m.	0.84



ITEM	UNIT
TUNNEL EXCAVATION	m³/m.
SHOTCRETE	m²/m.
ROCK BOLT	Nos./m.
ROCK BOLT (FOREPOLING)	Nos./m.
STEEL ARCH SUPPORTING	ton/cycle
CONCRETE LINING	m³/m.
REINFORCEMENT	ton/m.







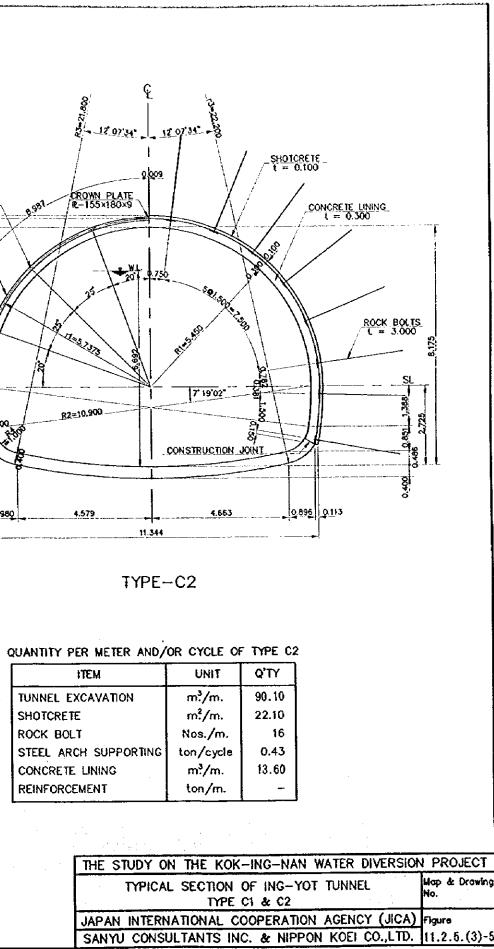
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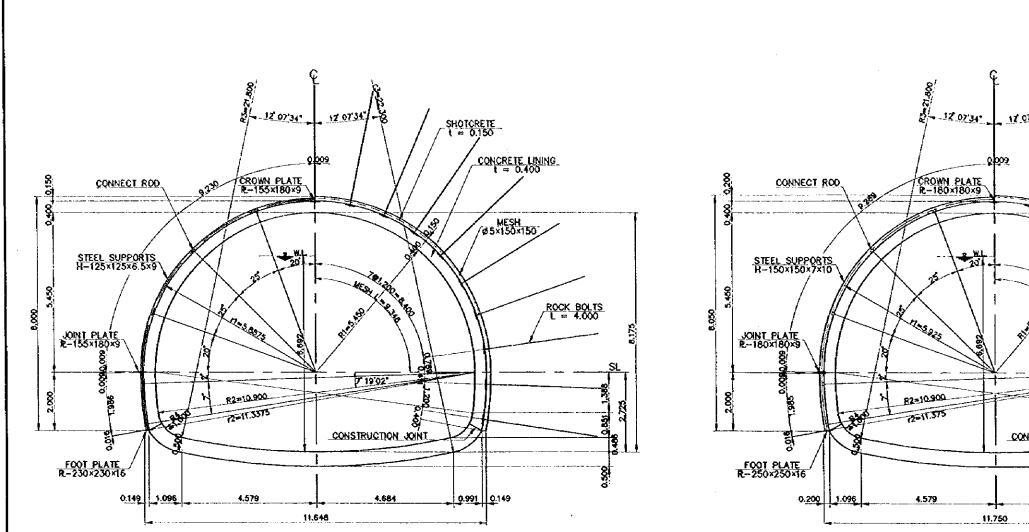


QUANTITY PER METER AND/OR CYCLE OF TYPE CI

ITEM	UNIT	Q'TY
TUNNEL EXCAVATION	m³/m.	90.10
SHOTCRETE	m²/m.	22.10
ROCK BOLT	Nos./m.	- 16
STEEL ARCH SUPPORTING	ton/cycle	
CONCRETE LINING	m³/m.	13.60
REINFORCEMENT	ton/m.	· —

ITEM	UNIT
TUNNEL EXCAVATION	m³/m.
SHOTCRETE	m²/m.
ROCK BOLT	Nos./m.
STEEL ARCH SUPPORTING	ton/cycle
CONCRETE LINING	m³/m.
REINFORCEMENT	ton/m.



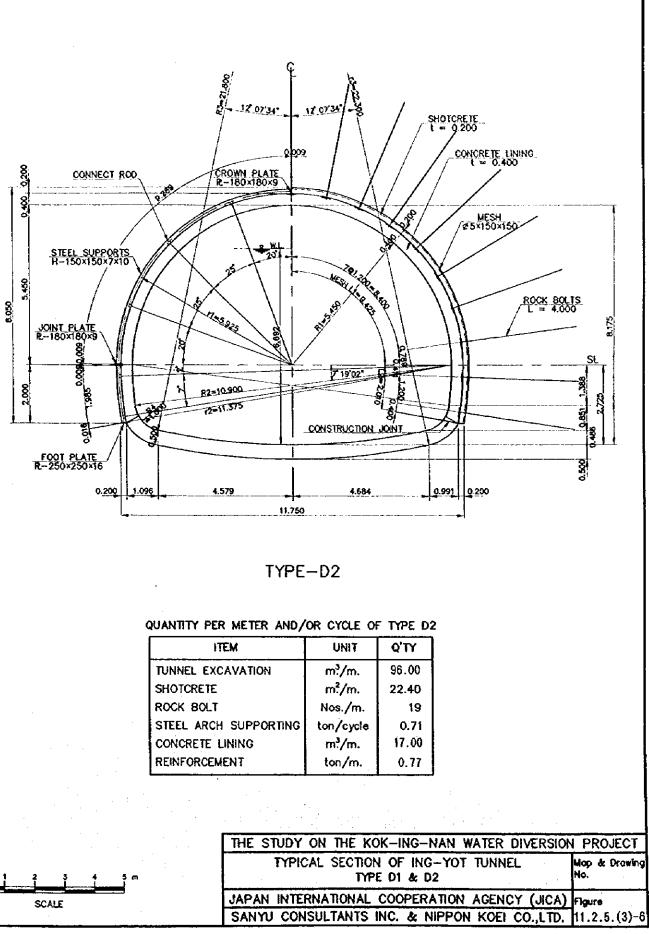


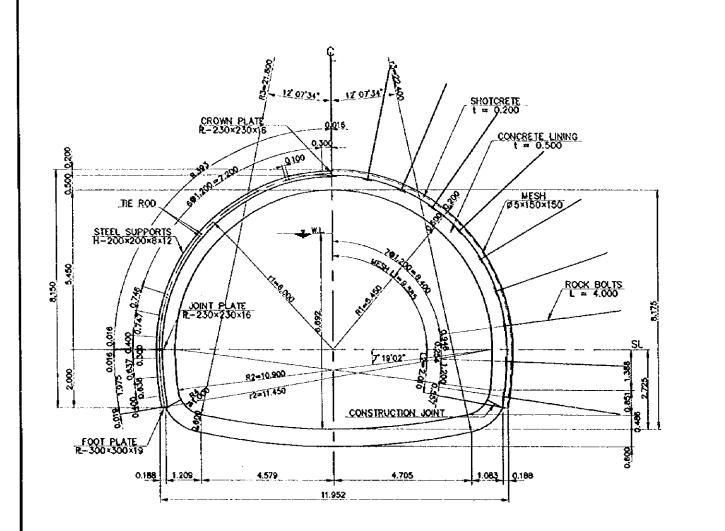


QUANTITY PER METER AND/OR CYCLE OF TYPE DI

ITEM	UNIT	Q'TY
TUNNEL EXCAVATION	m³/m.	94.80
SHOTCRETE	m²/m.	22.40
ROCK BOLT	Nos./m.	19
STEEL ARCH SUPPORTING	ton/cycle	0.53
CONCRETE LINING	m³/m.	17.00
REINFORCEMENT	ton/m.	<u> </u>

ITEM	UNIT
TUNNEL EXCAVATION	m³/m
SHOTCRETE	m²/m
ROCK BOLT	Nos./n
STEEL ARCH SUPPORTING	ton/cy
CONCRETE LINING	m³/m
REINFORCEMENT	ton/m

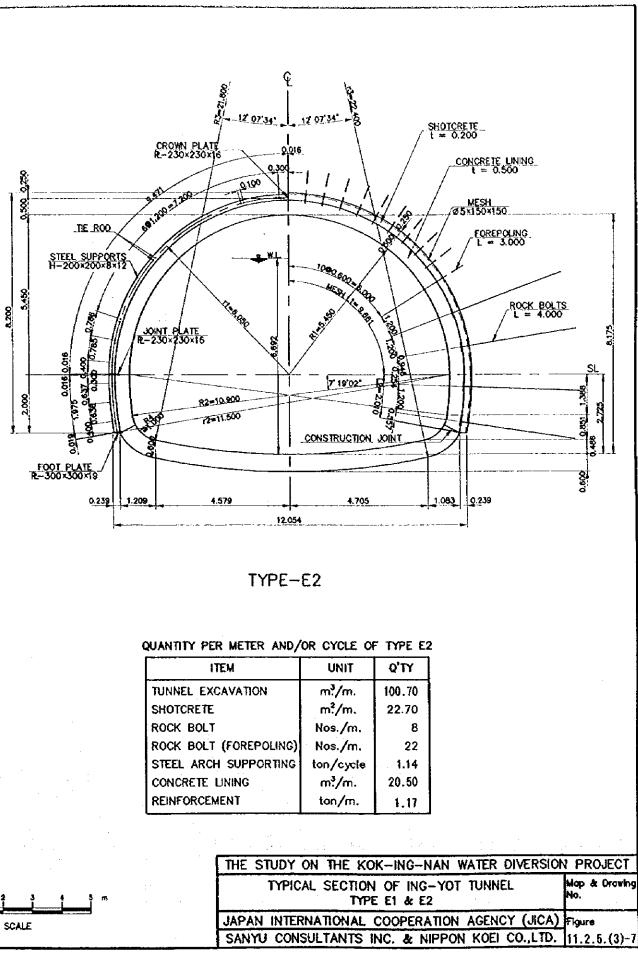






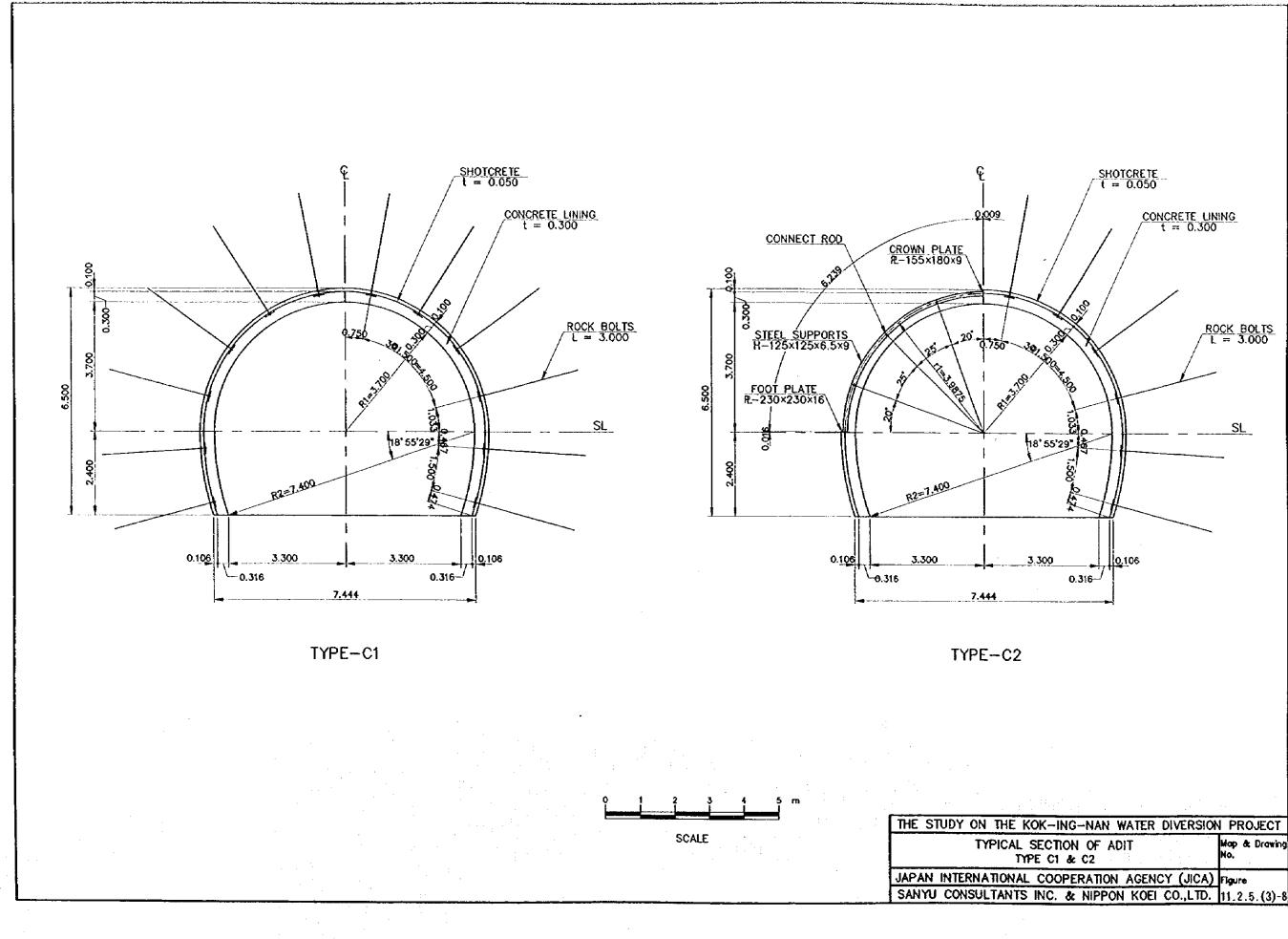
QUANTITY PER METER AND/OR CYCLE OF TYPE E1

ITEM	UNIT	Q'TY
TUNNEL EXCAVATION	m³/m.	99.50
SHOTCRETE	m²/m.	22.70
ROCK BOLT	Nos./m.	19
STEEL ARCH SUPPORTING	ton/cycle	1.13
CONCRETE LINING	m ³ /m.	20.50
REINFORCEMENT	ton/m.	0.92

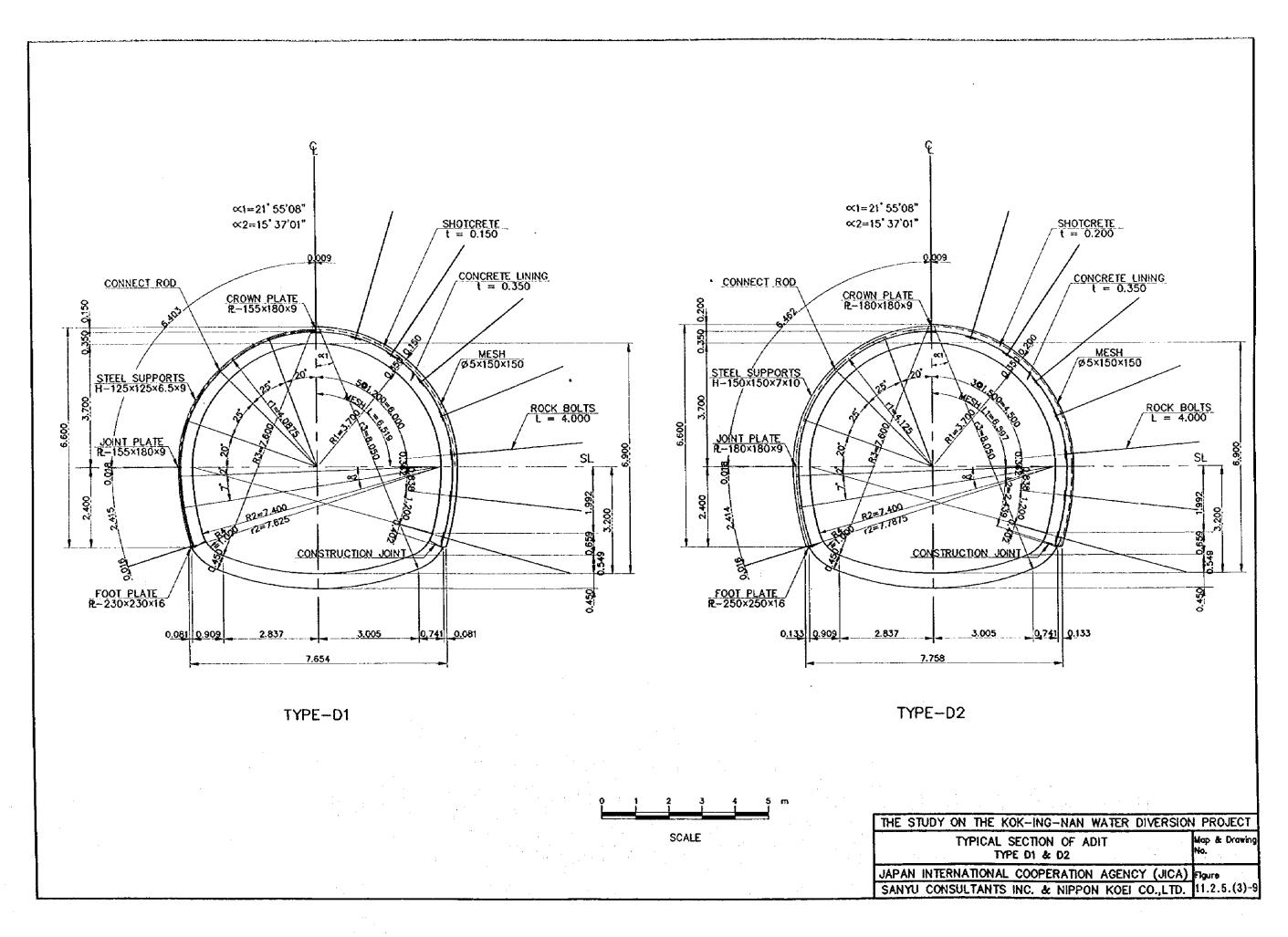


UNIT
m³/m.
m²/m.
Nos./m,
Nos./m.
ton/cycle
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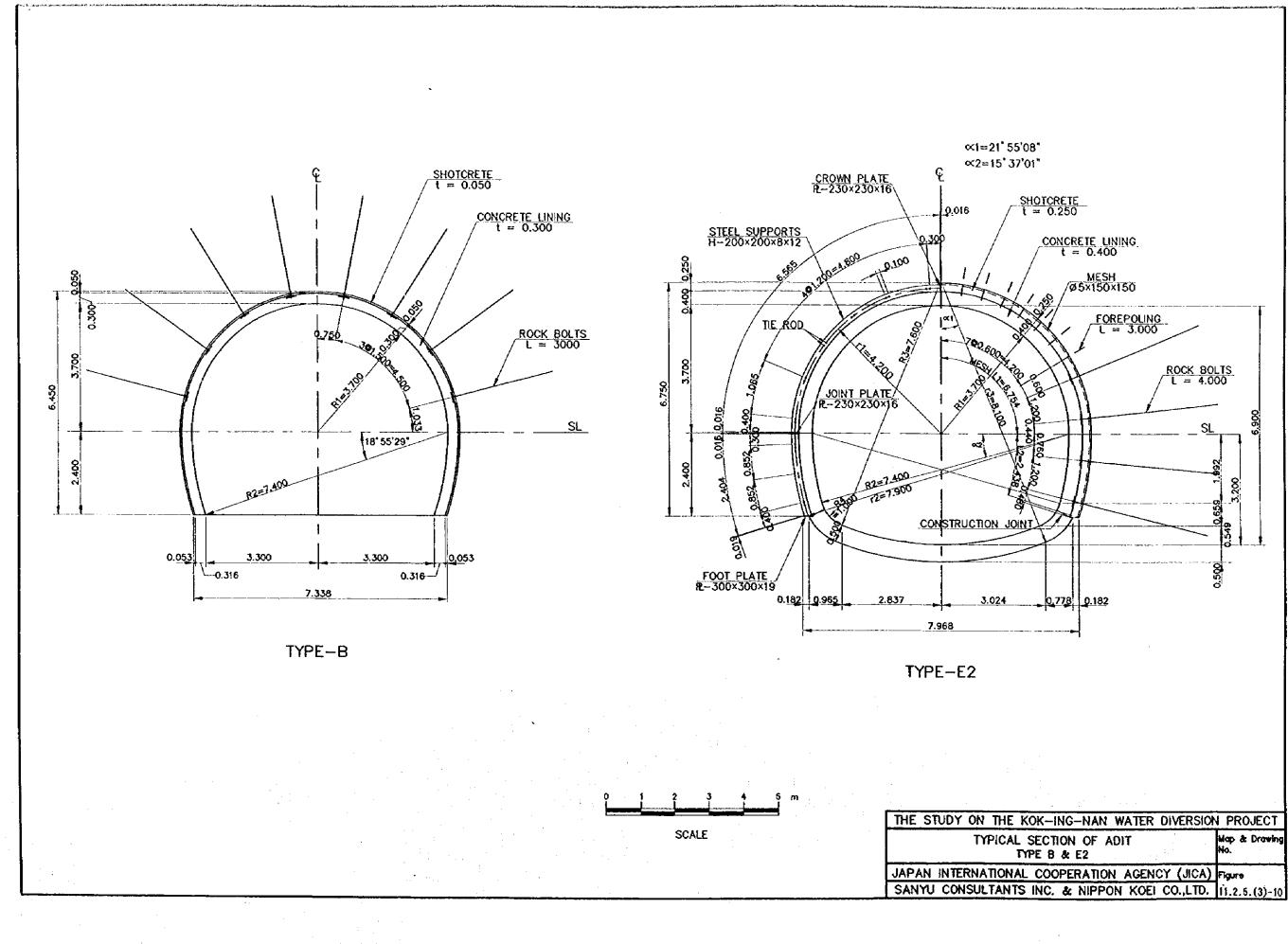


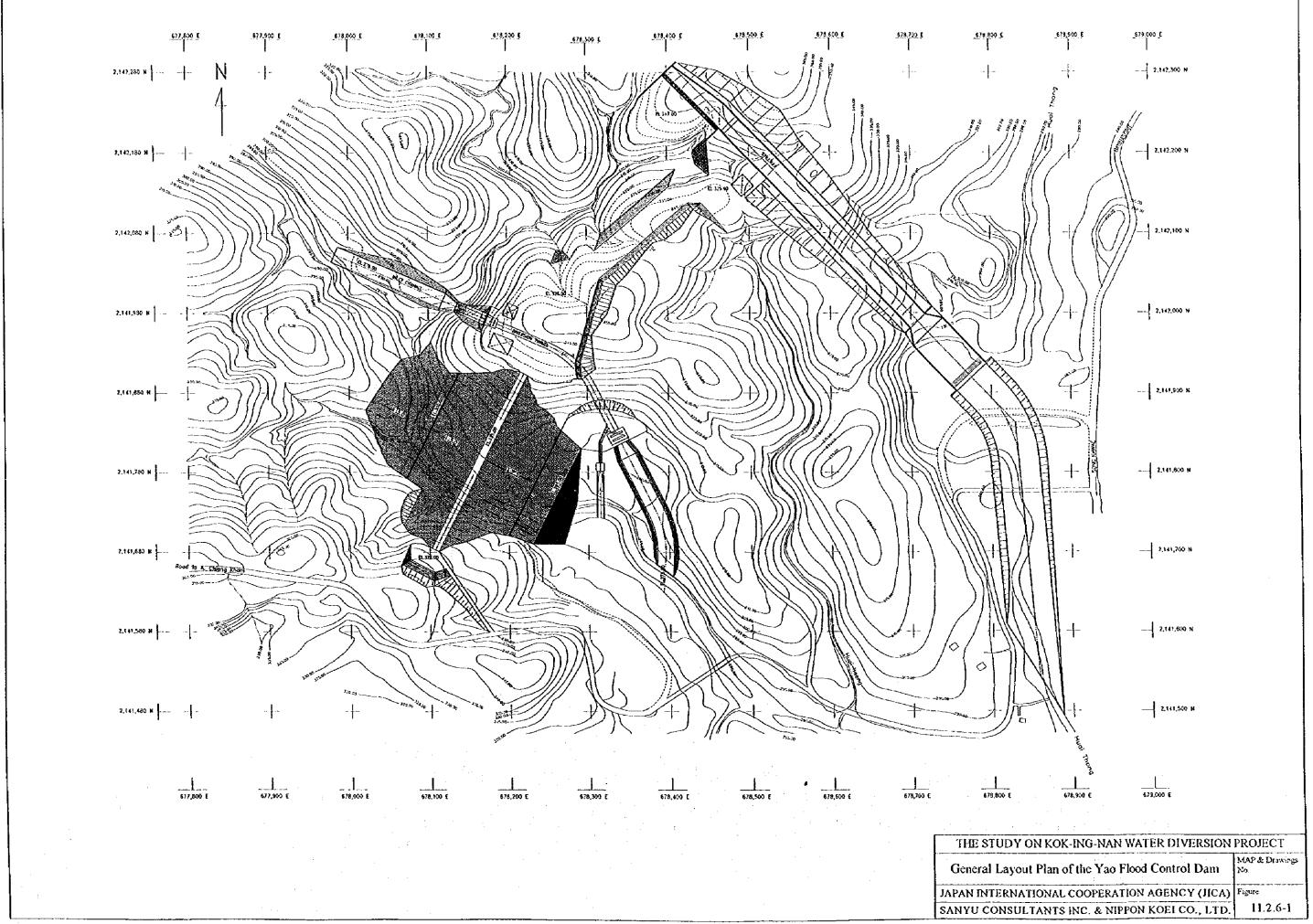
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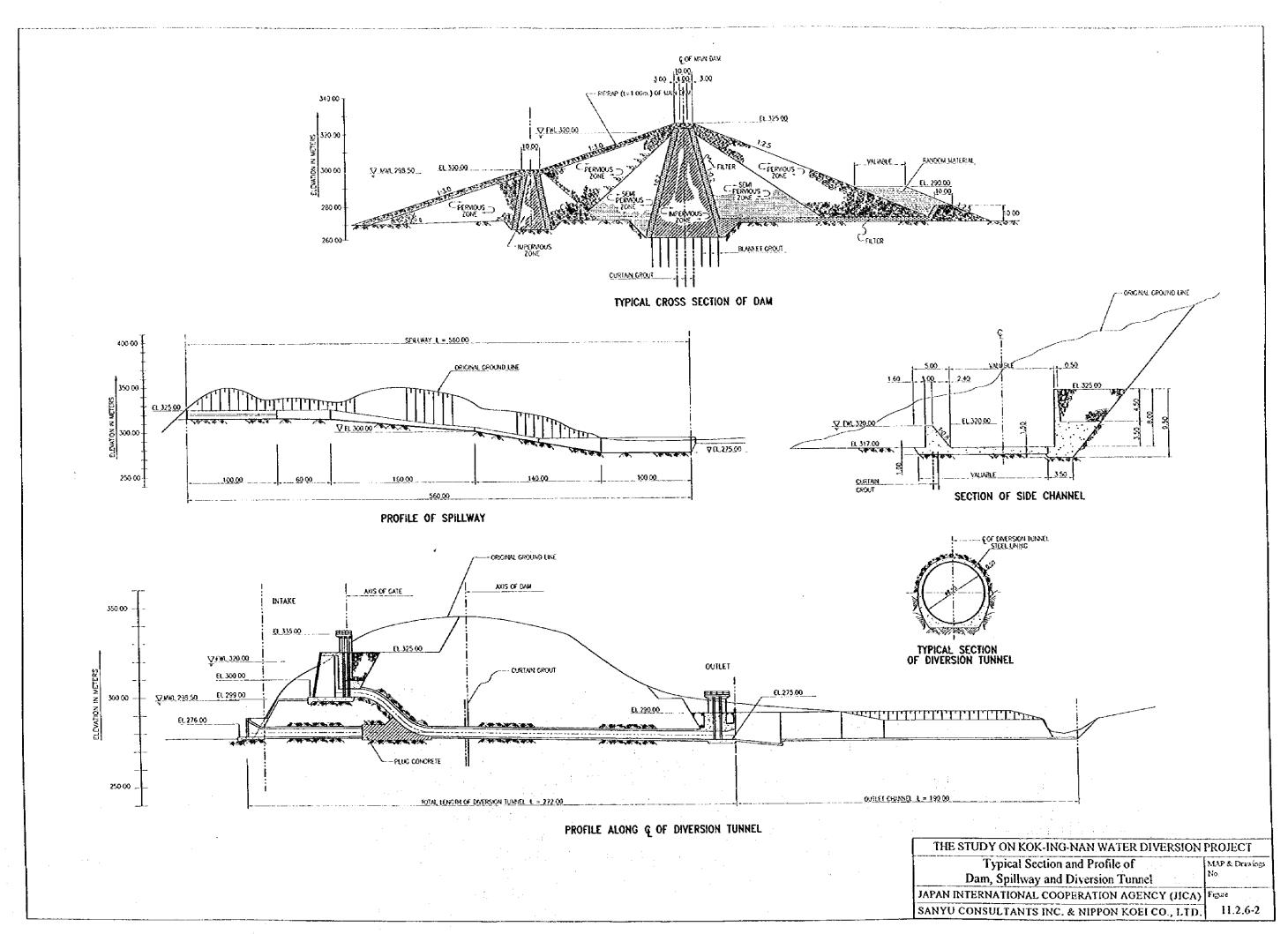


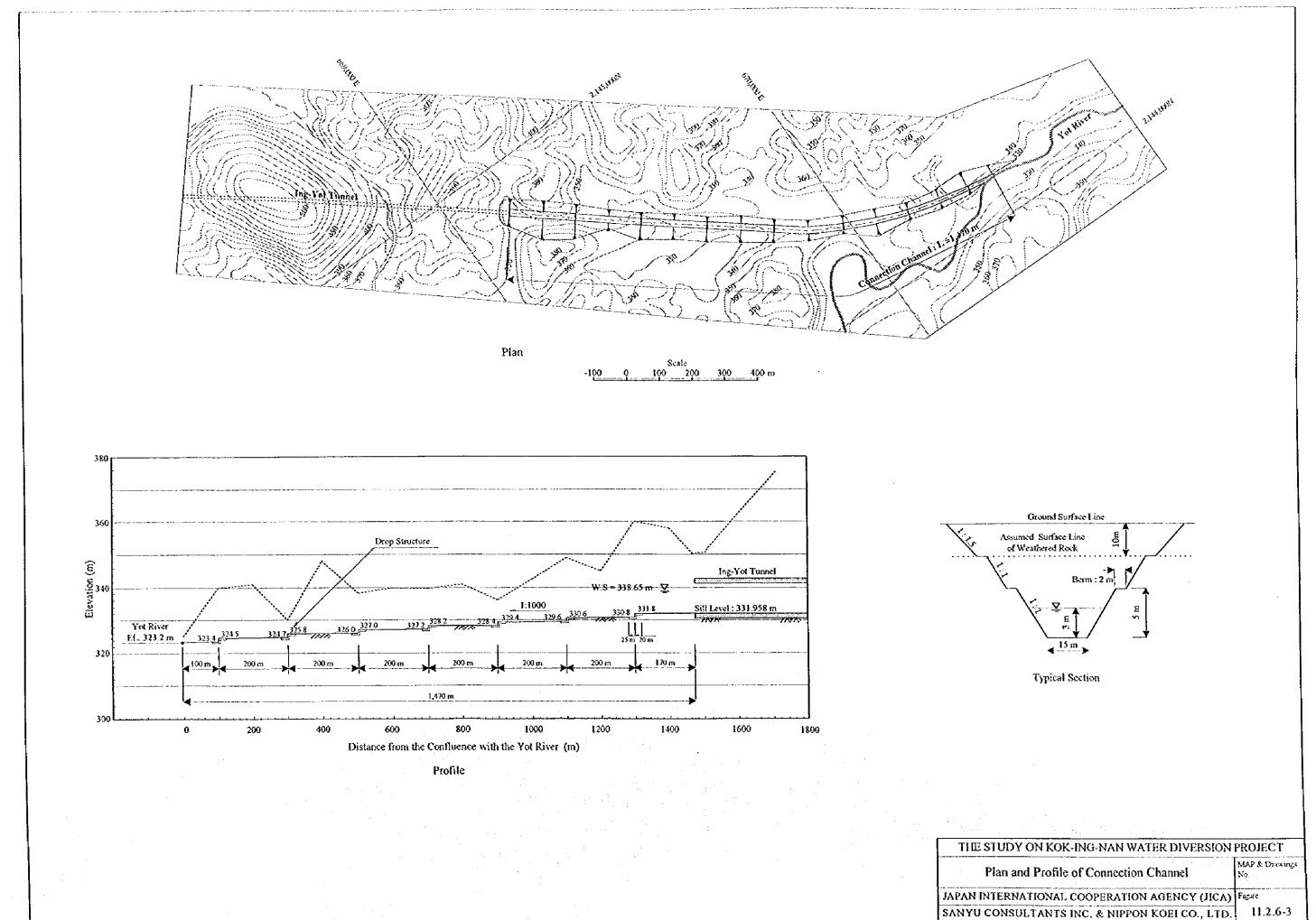
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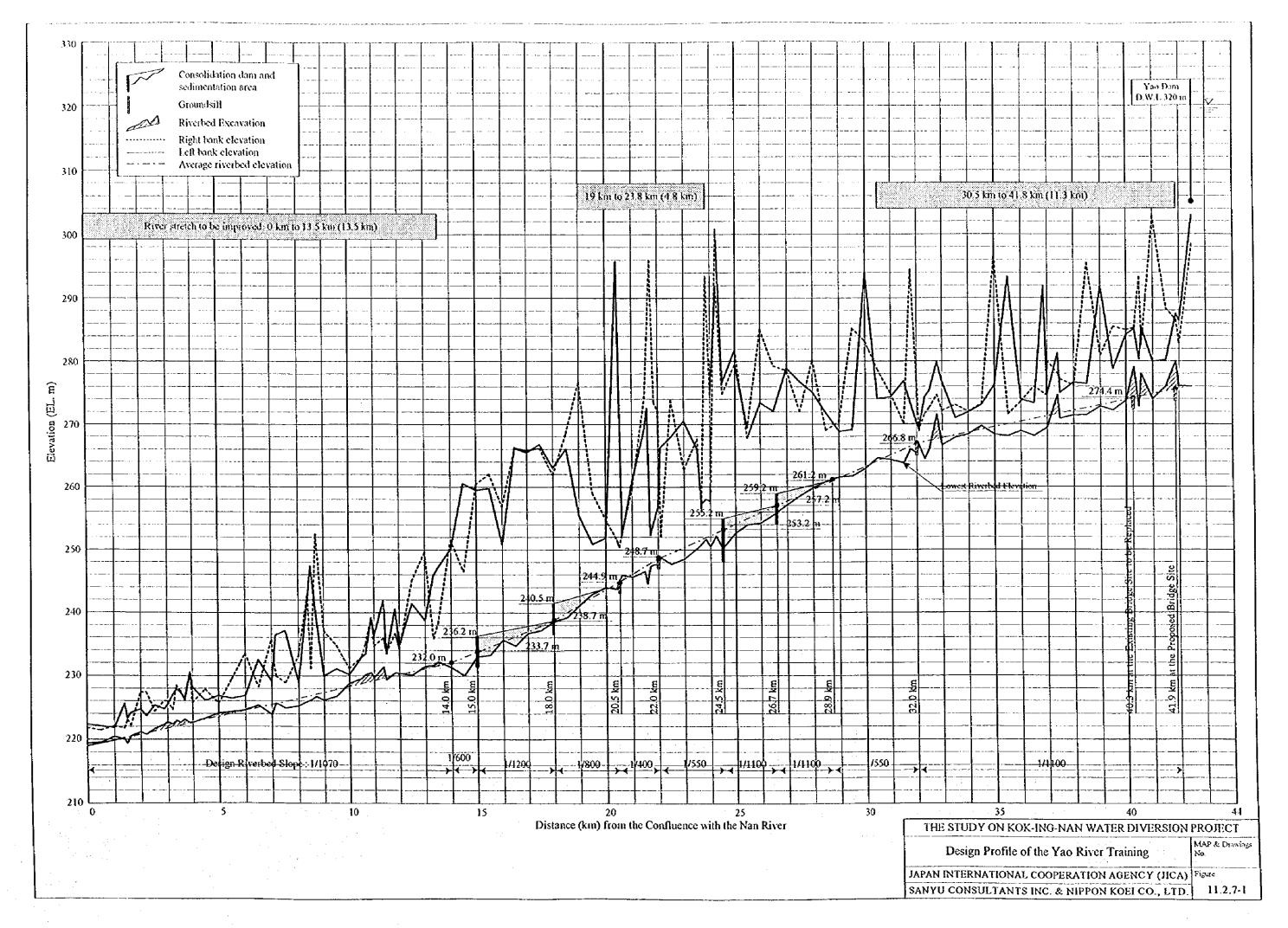
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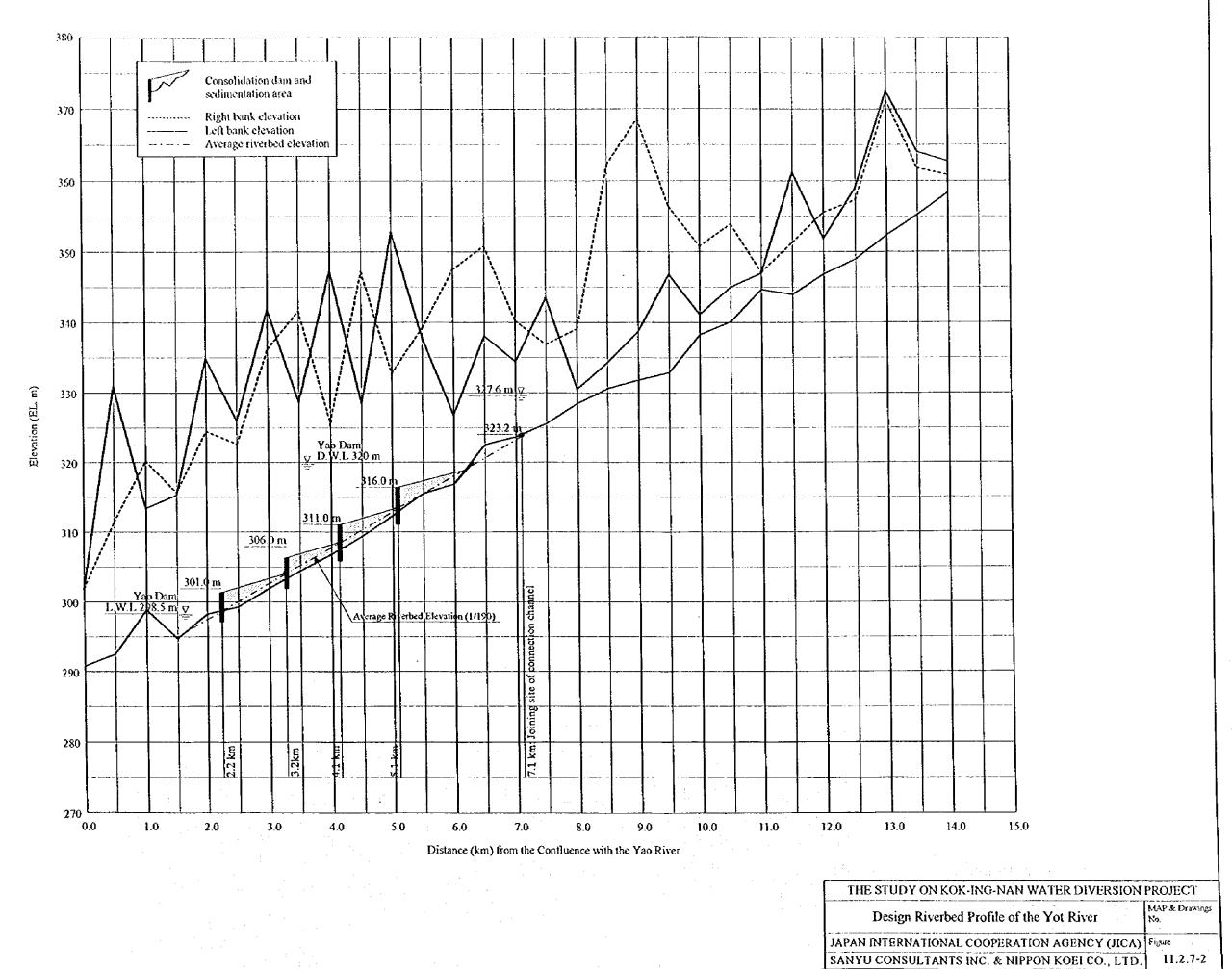


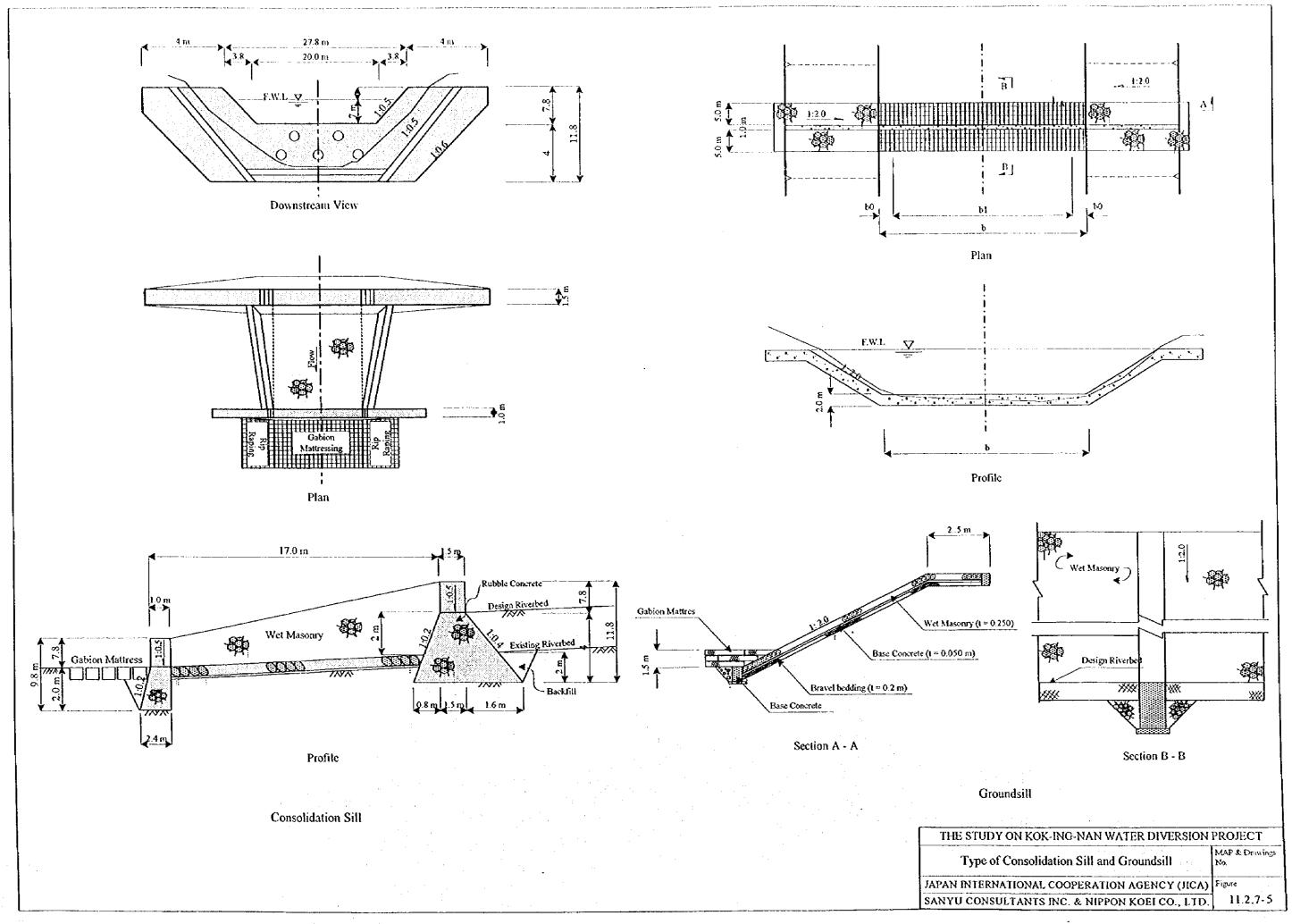












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