# UNITED REPUBLIC OF TANZANIA

MINISTRY OF WORKS, COMMUNICATIONS AND TRANSPORT

THE STUDY

ÔN

DAR ES SALAAM

ROAD DEVELOPMENT PLAN

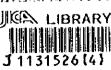
FINAL REPORT FEASIBILITY STUDY

DRAWINGS

MARCH 1995

JAPAN INTERNATIONAL COOPERATION AGENCY

JAPAN ENGINEERING CONSULTANTS CO., LTD:



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ON

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JAPAN ENGINEERING CONSULTANTS CO., LTD. NIPPON KOEI CO., LTD

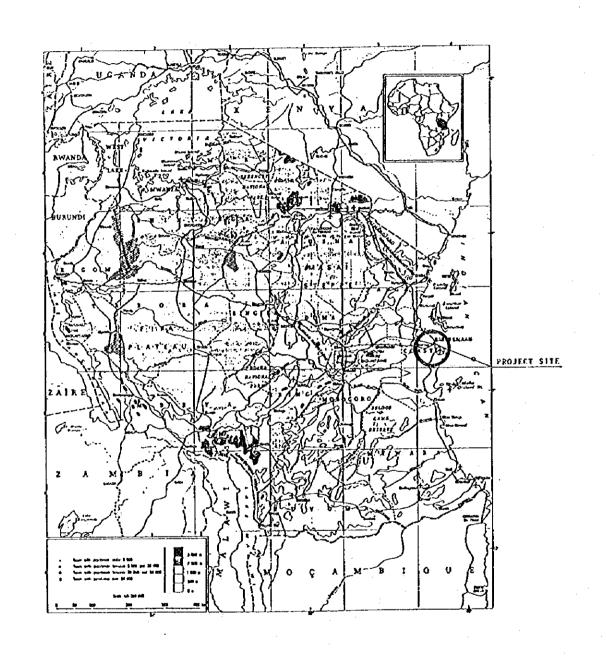
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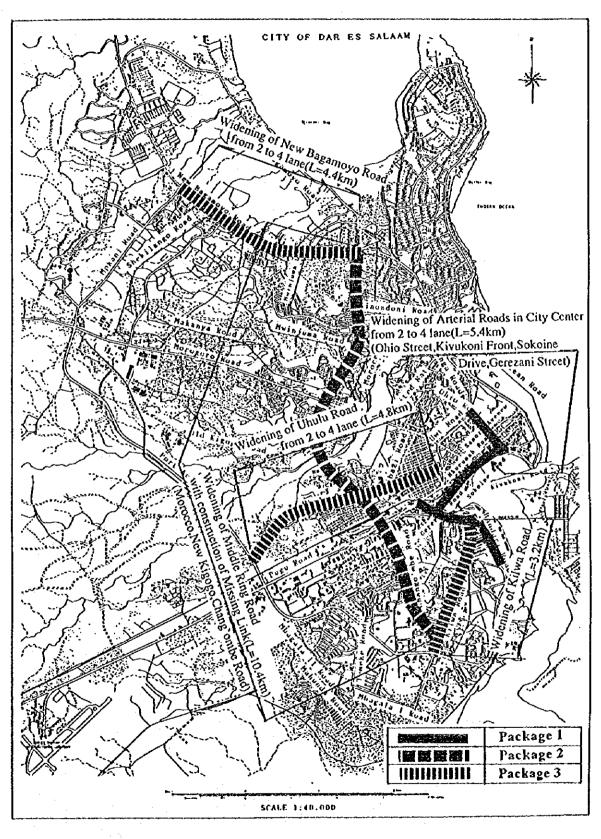
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## LOCATION MAP





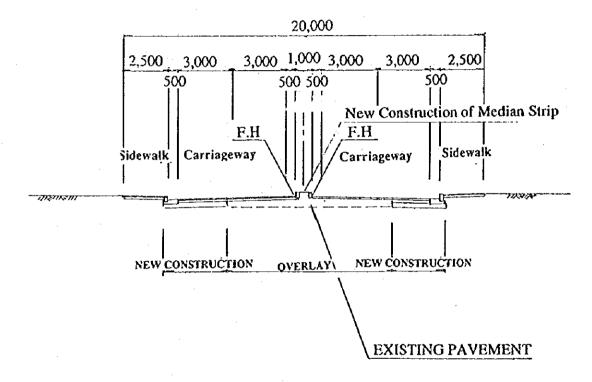
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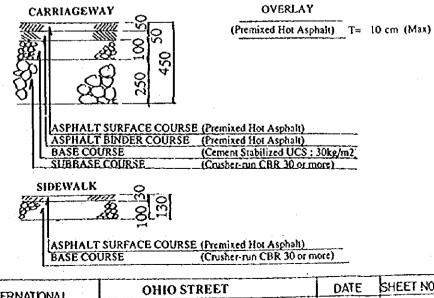
Location Map MARCH 1995 1

## 2. Package 1: Widening of Arterial Roads in City Center 2.1 Ohio Street (1) Plan and Profile 1553001 1001 (II T) RATHAGE (1-8108 DETCK CATCH PIT) & - USO.00 INTERSECTION (SICKAL CONTROL) DEATHAGE (L-SIDE DITCH, CATCH PIT) DEATHAGE (L-SIDE DITCH, CATCH PIT) DEATHAGE (L-SIDE DITCH, CATCH PIT) MELECON BOOK (13) FELENCH BOOK (6 \$10,4800) BOYE (6 1) \_10,00 0.00 DL = -10.00 8 1 120 500 TO 1-138,000 GRADIENT SUPER ELEVATION FORMATION HEIGHT GROUND HEIGHT STATION UNITED REPUBLIC OF TANZANIA MINISTRY OF WORKS, COMMUNICATIONS AND TRANSPORT OHIO STREET SHEET NO THE STUDY ON DAR-ES-SALAAM ROAD DEVELOPEMENT PLAN DATE JAPAN INTERNATIONAL COOPERATION AGENCY 2 PLAN AND PROFILE **MARCH 1995**

#### (2) Typical Cross Section of Ohio Street



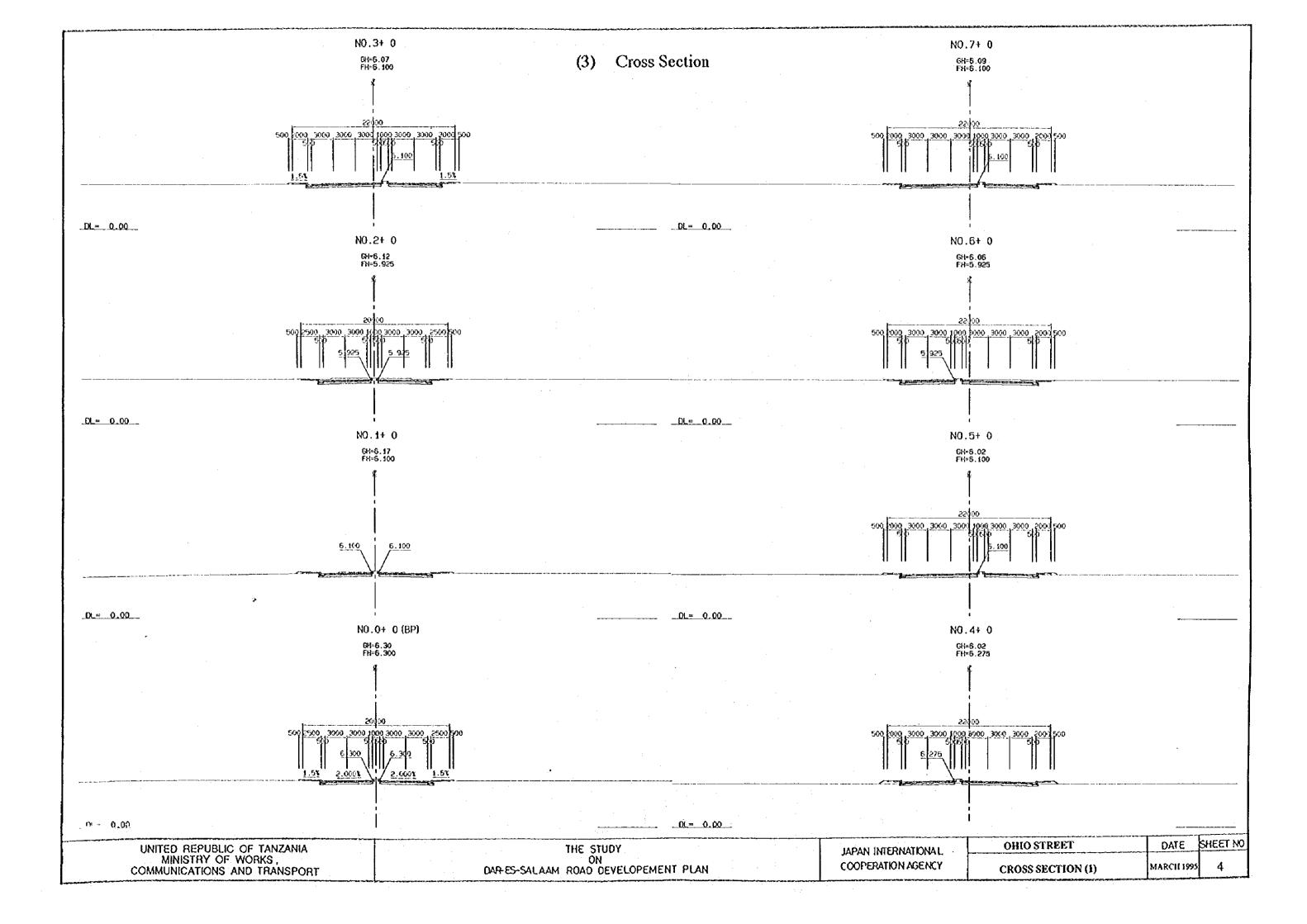
#### PAVEMENT STRUCTURE

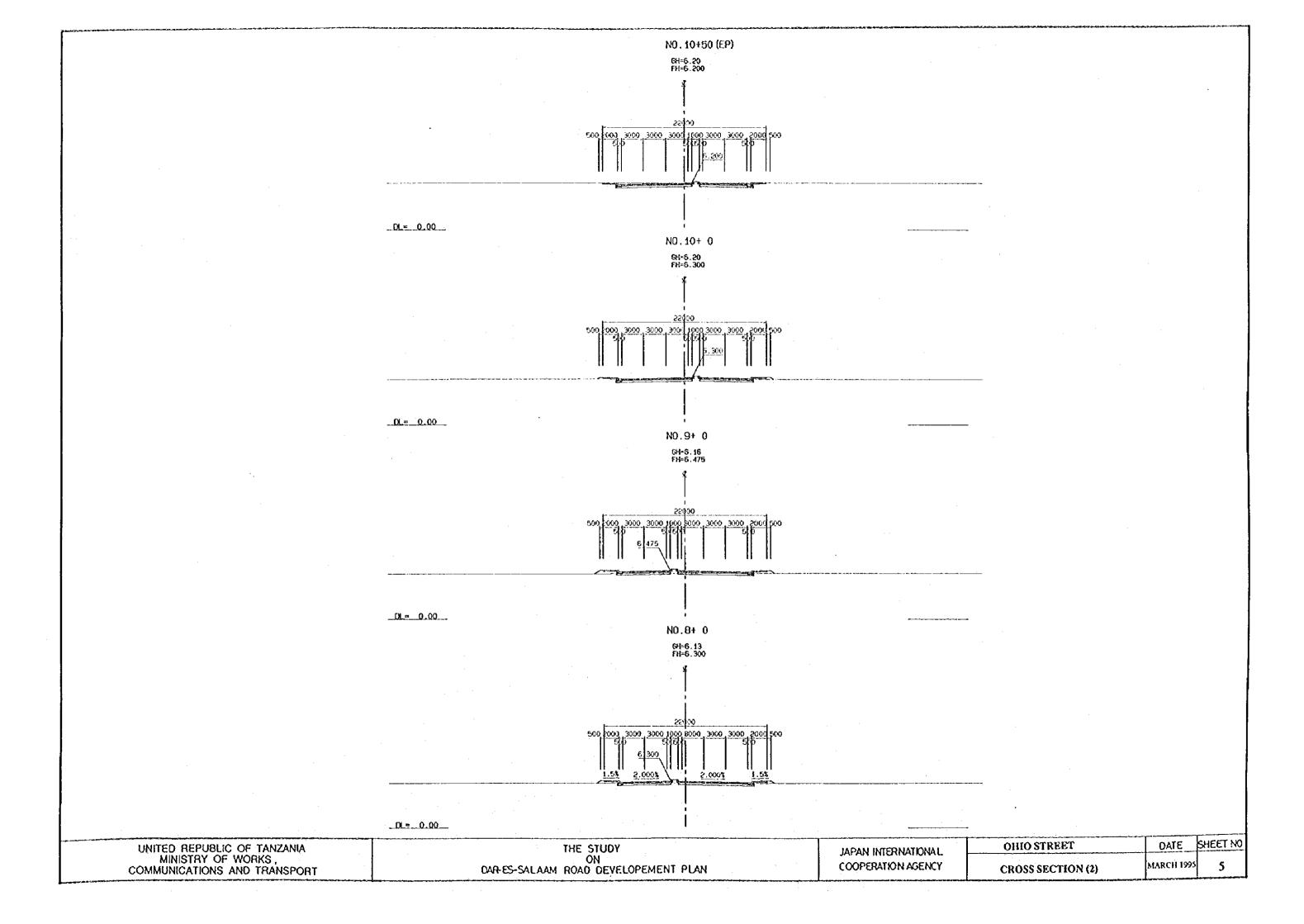


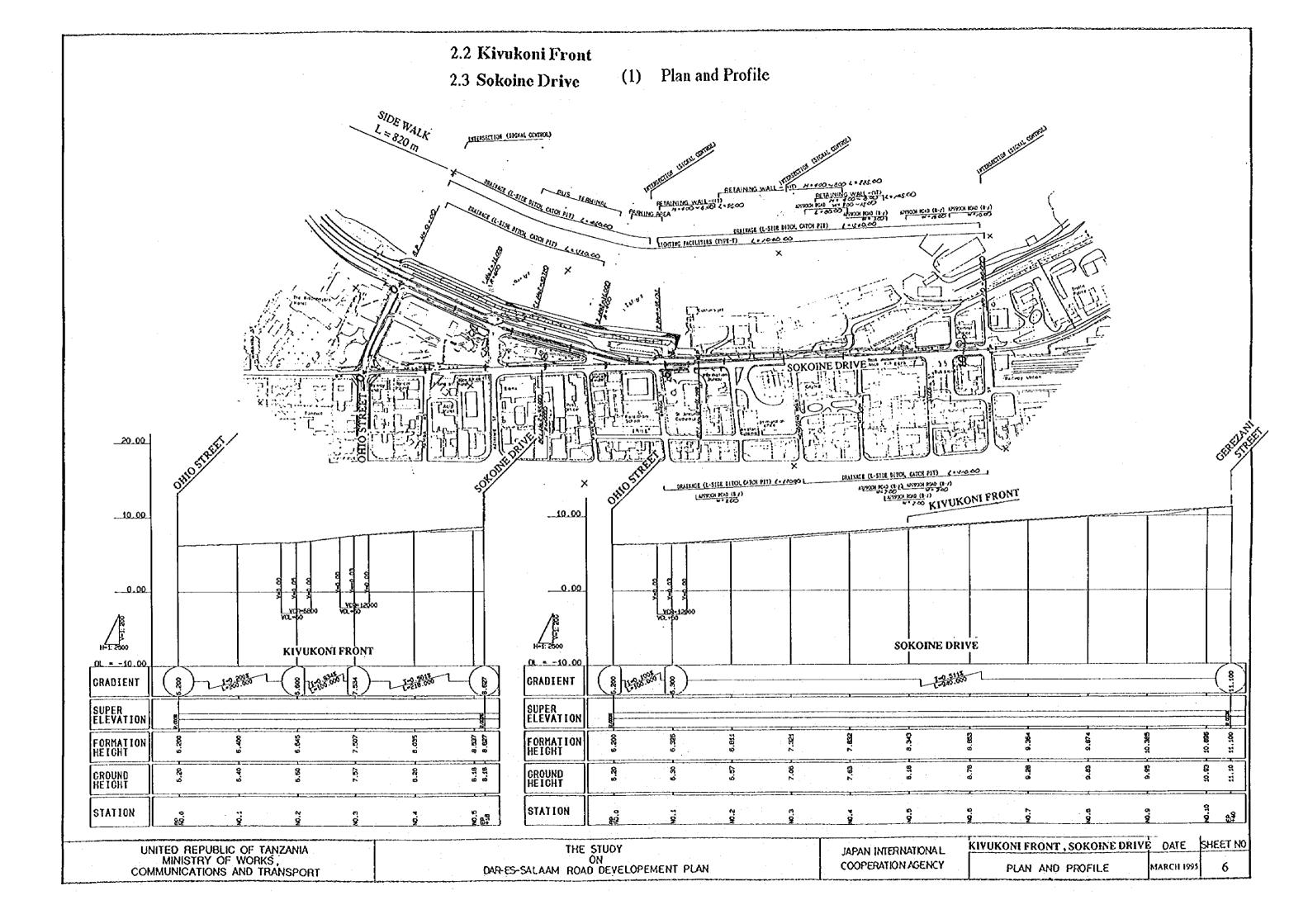
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ON
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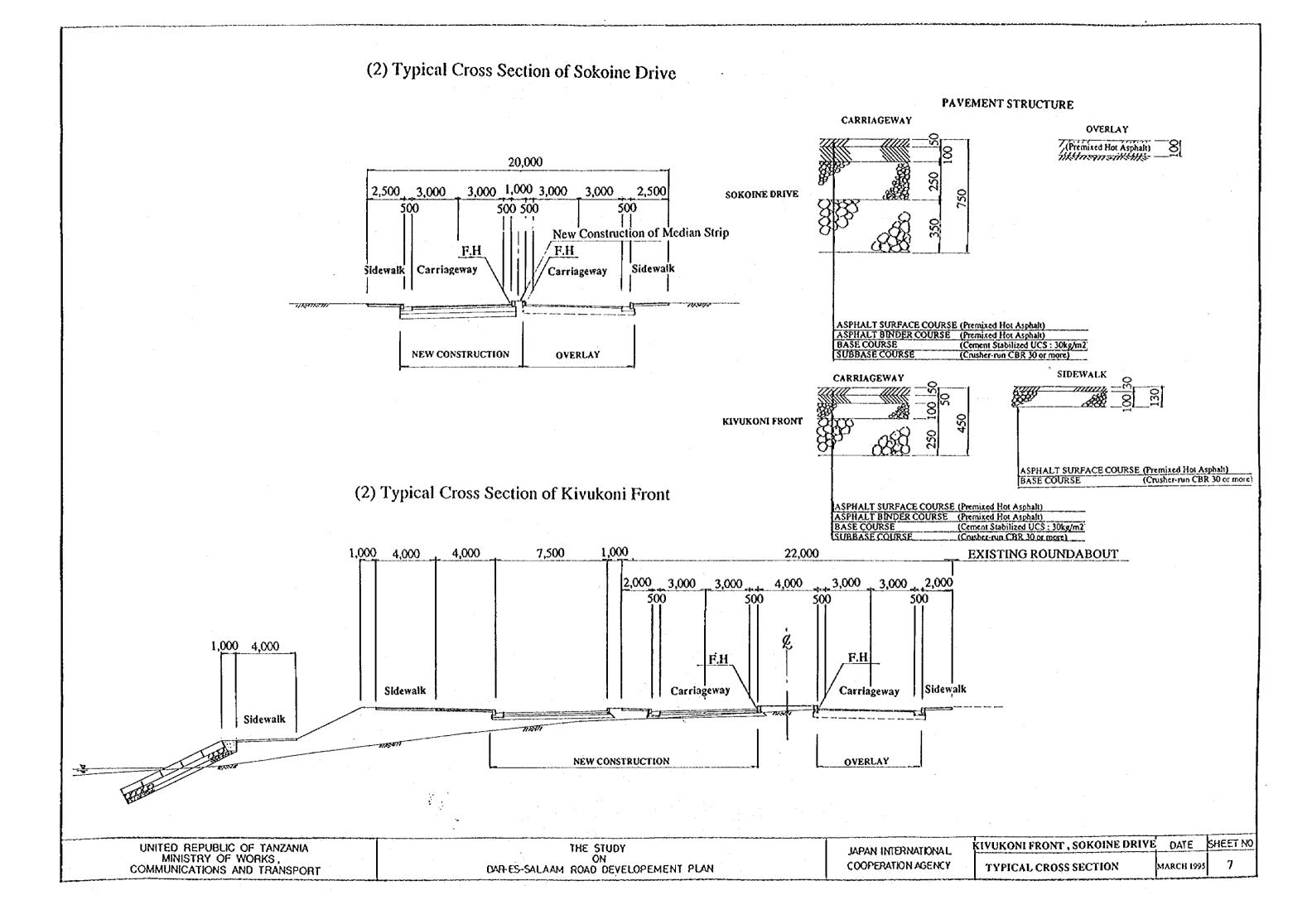
JAPAN INTERNATIONAL COOPERATION AGENCY

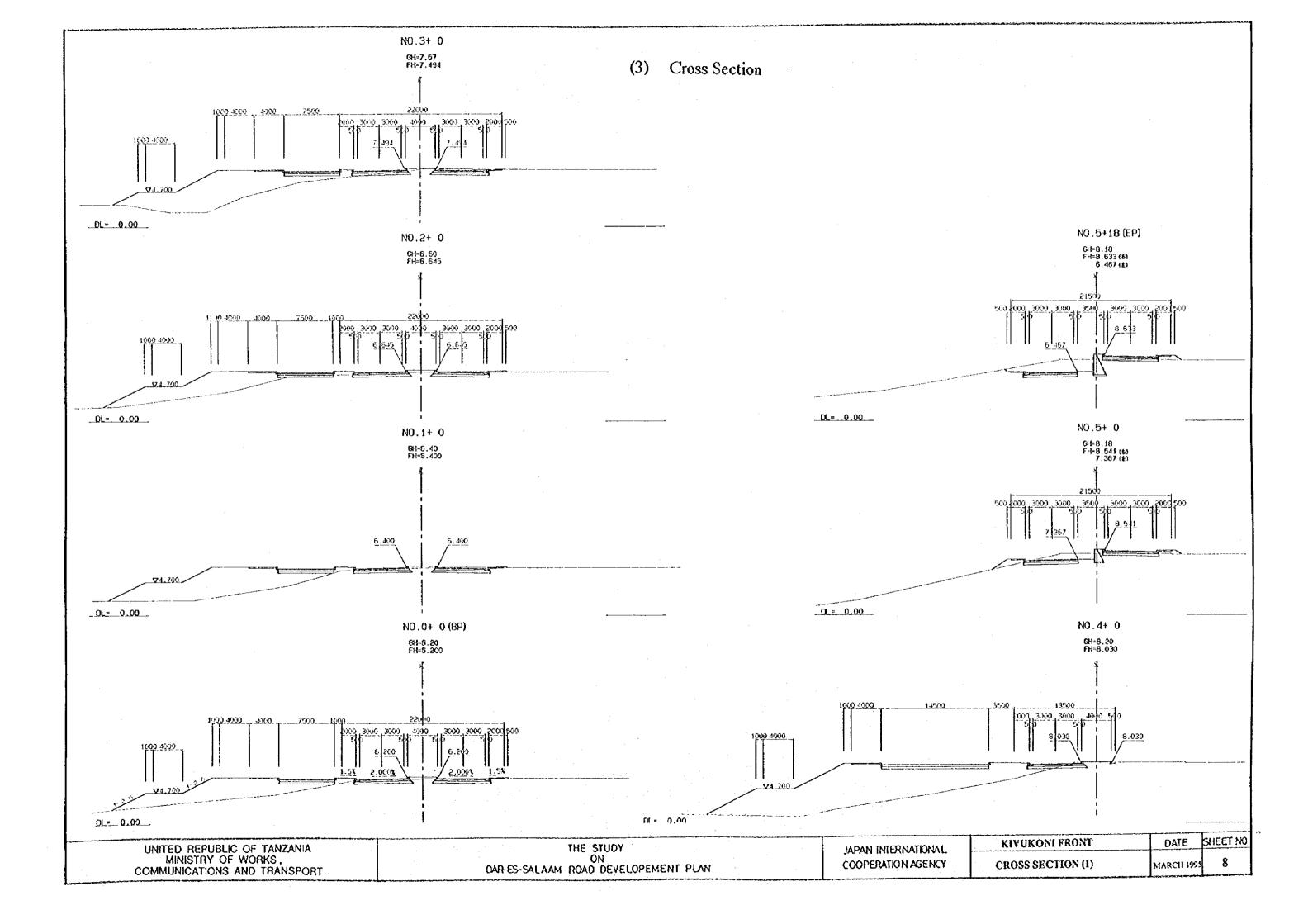
TYPICAL CROSS SECTION MARCH 1995 3

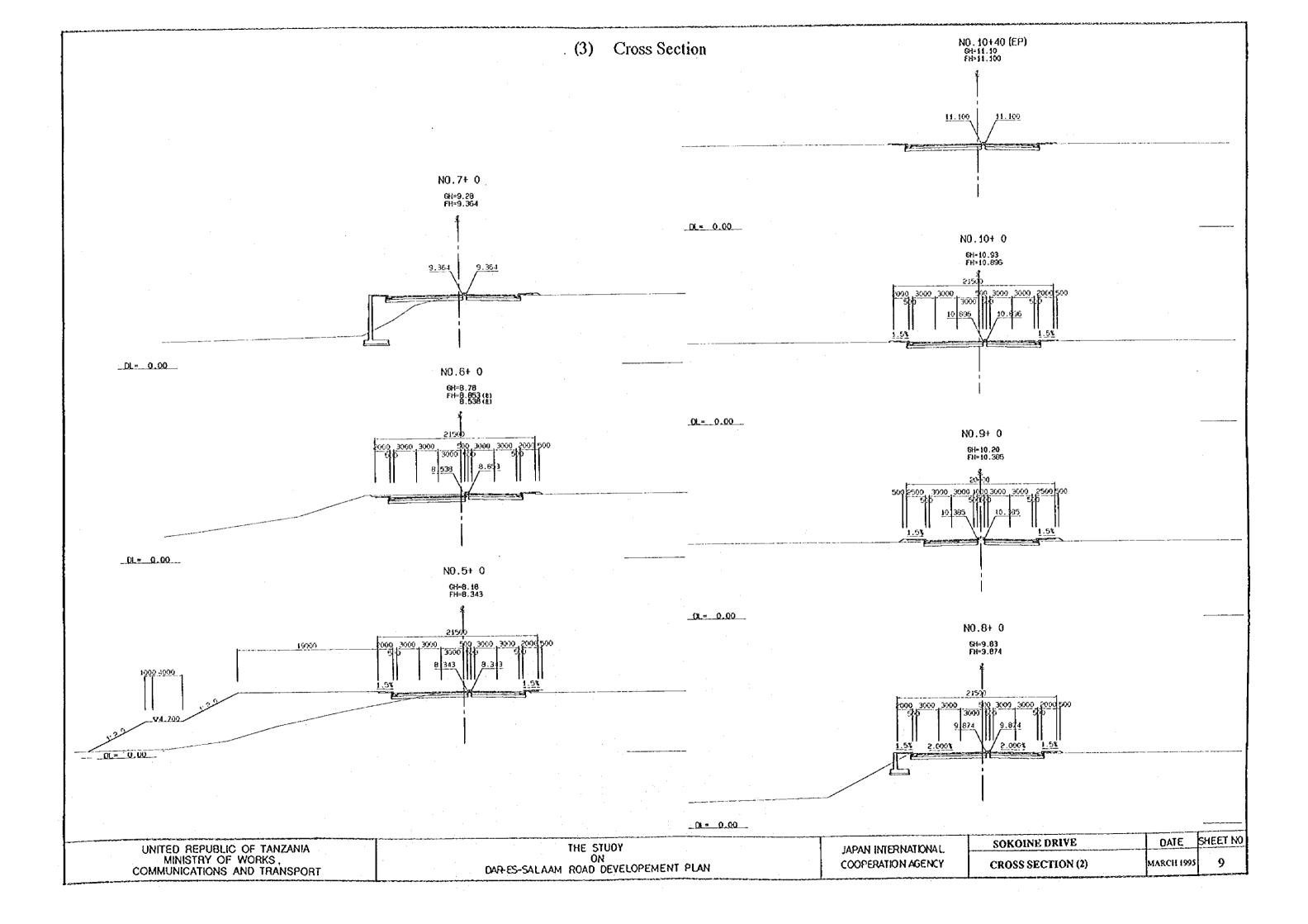


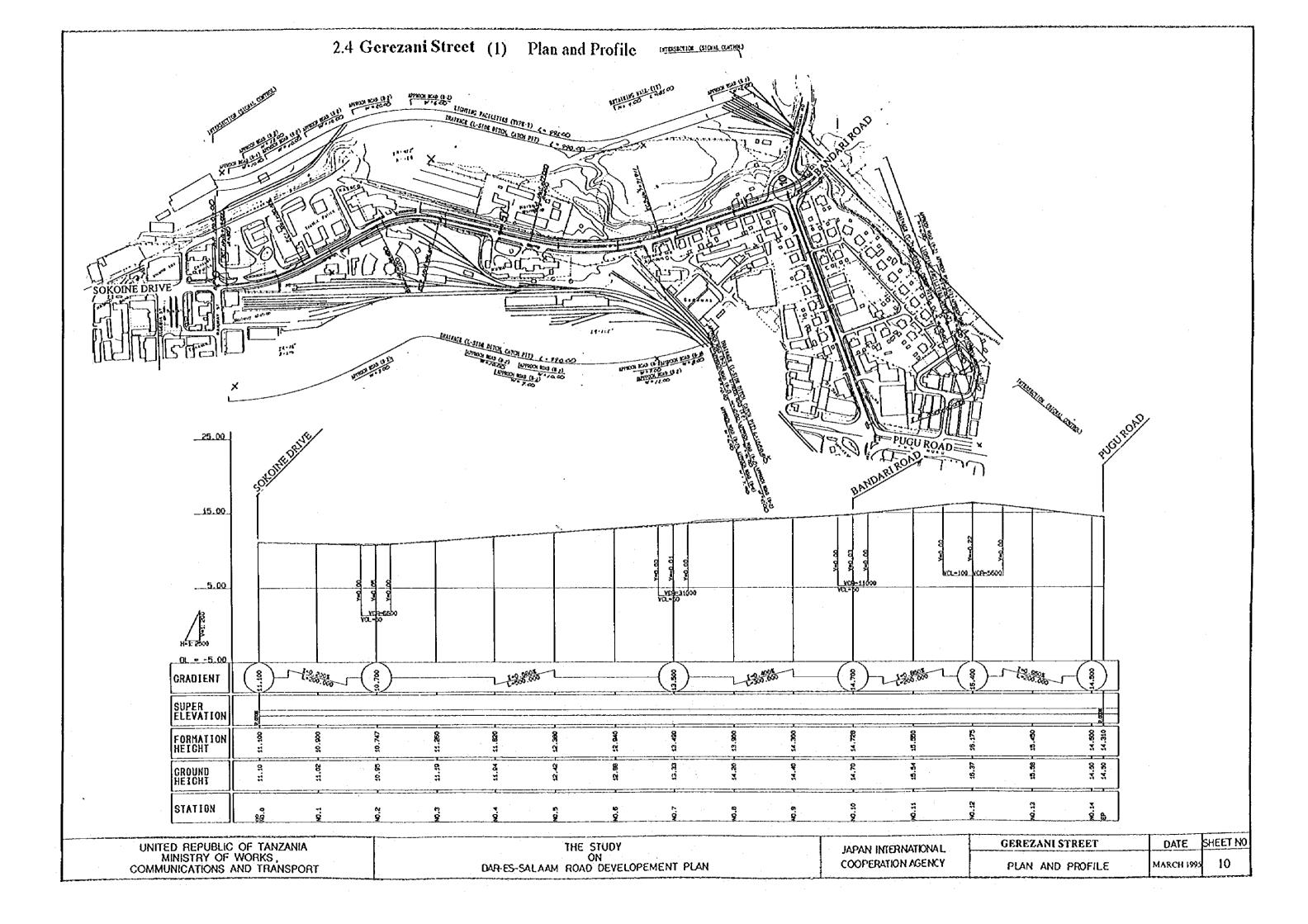




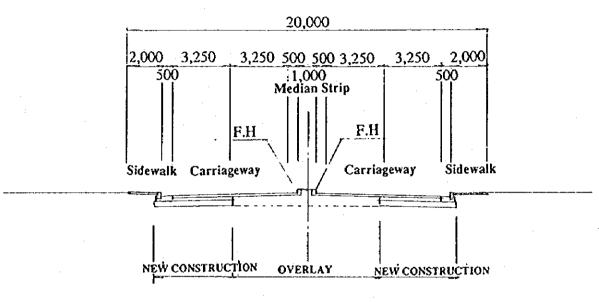




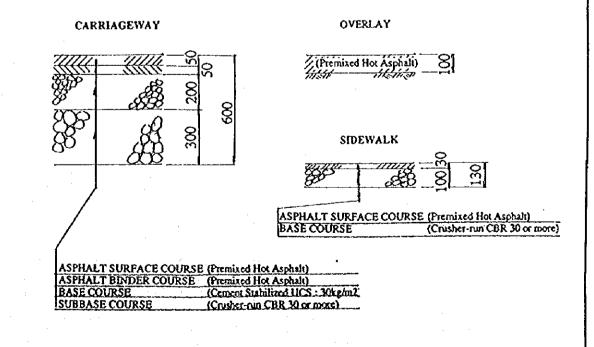




#### (2) Typical Cross Section of Gerezani Street



#### PAVEMENT STRUCTURE

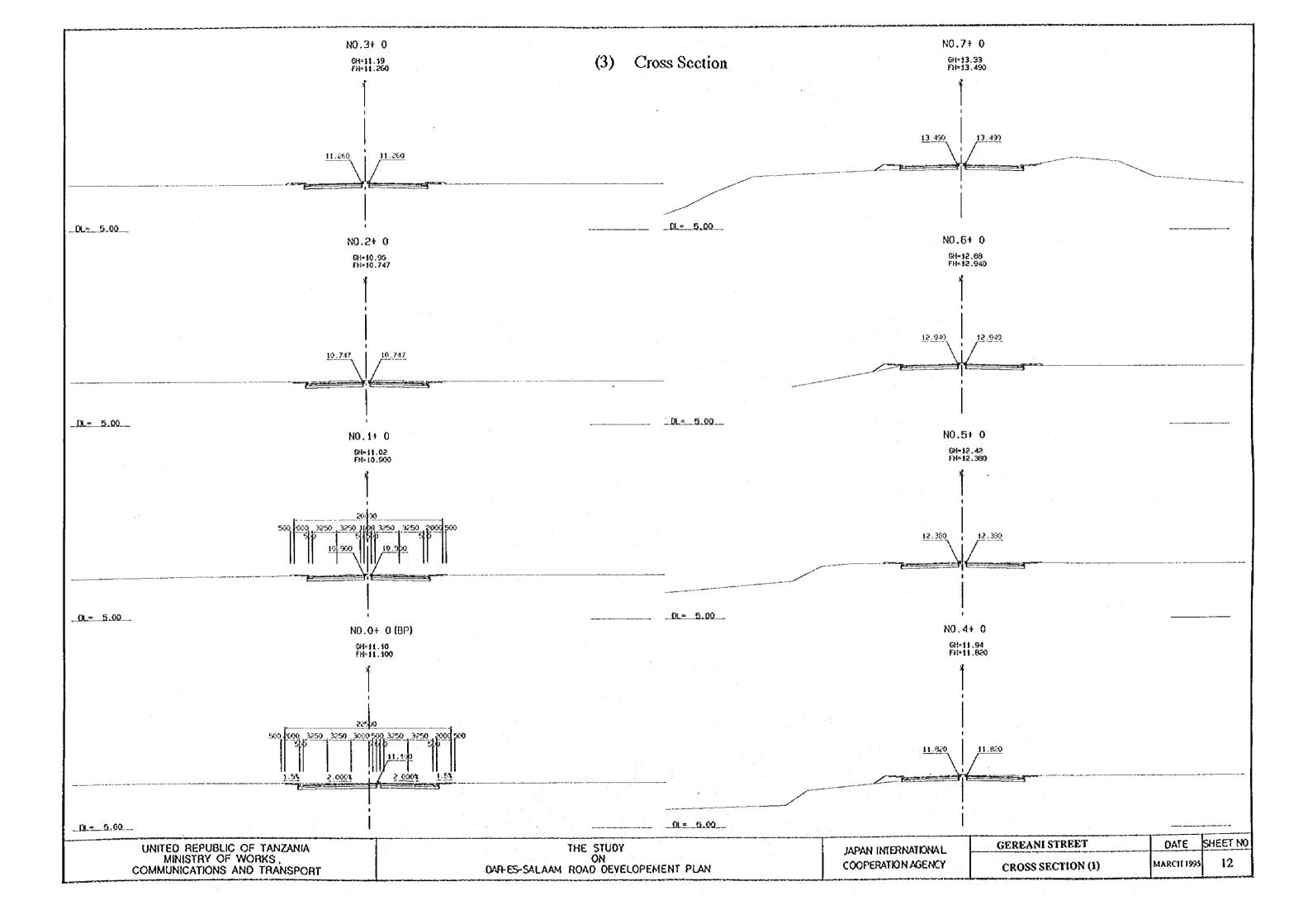


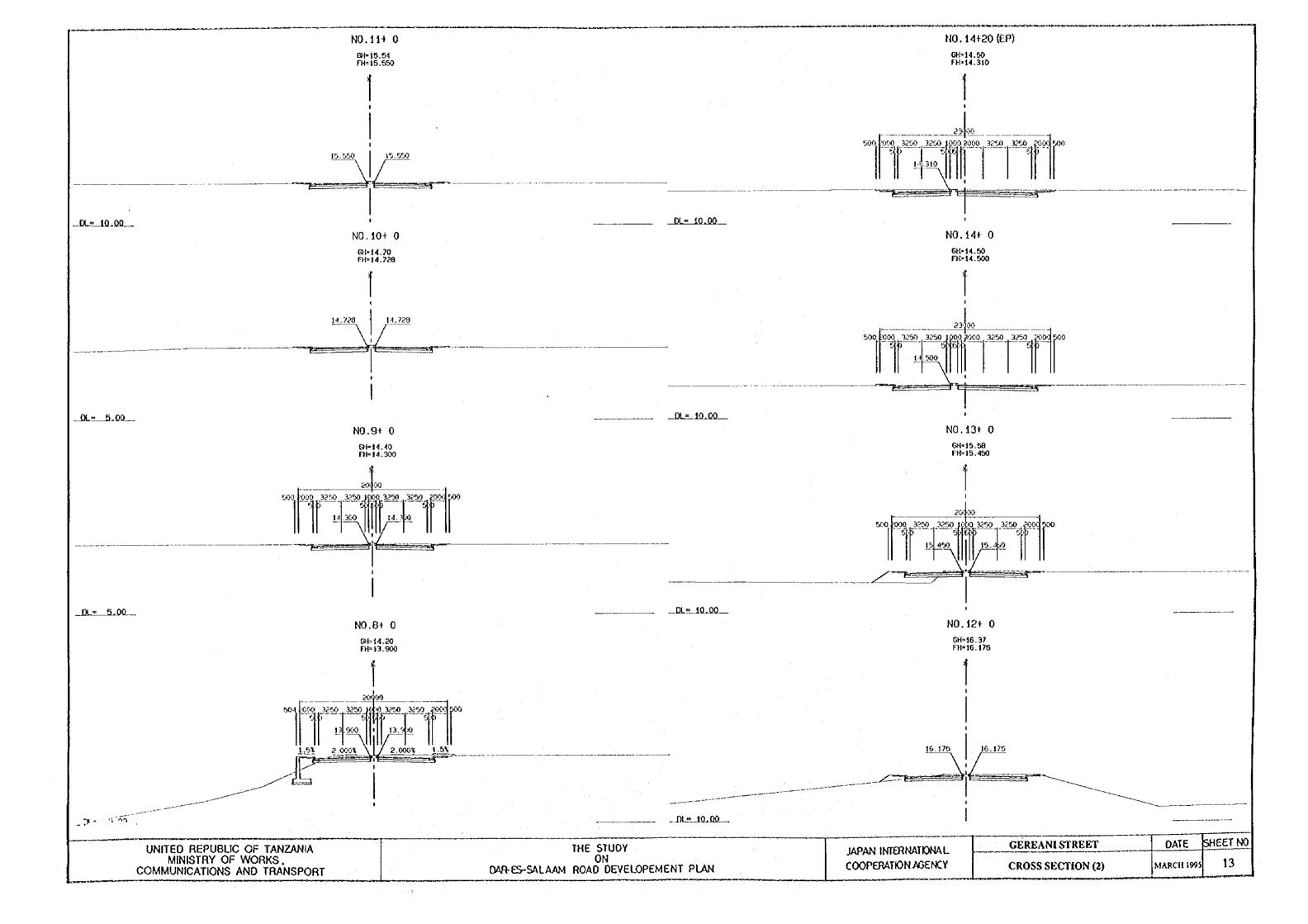
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ON
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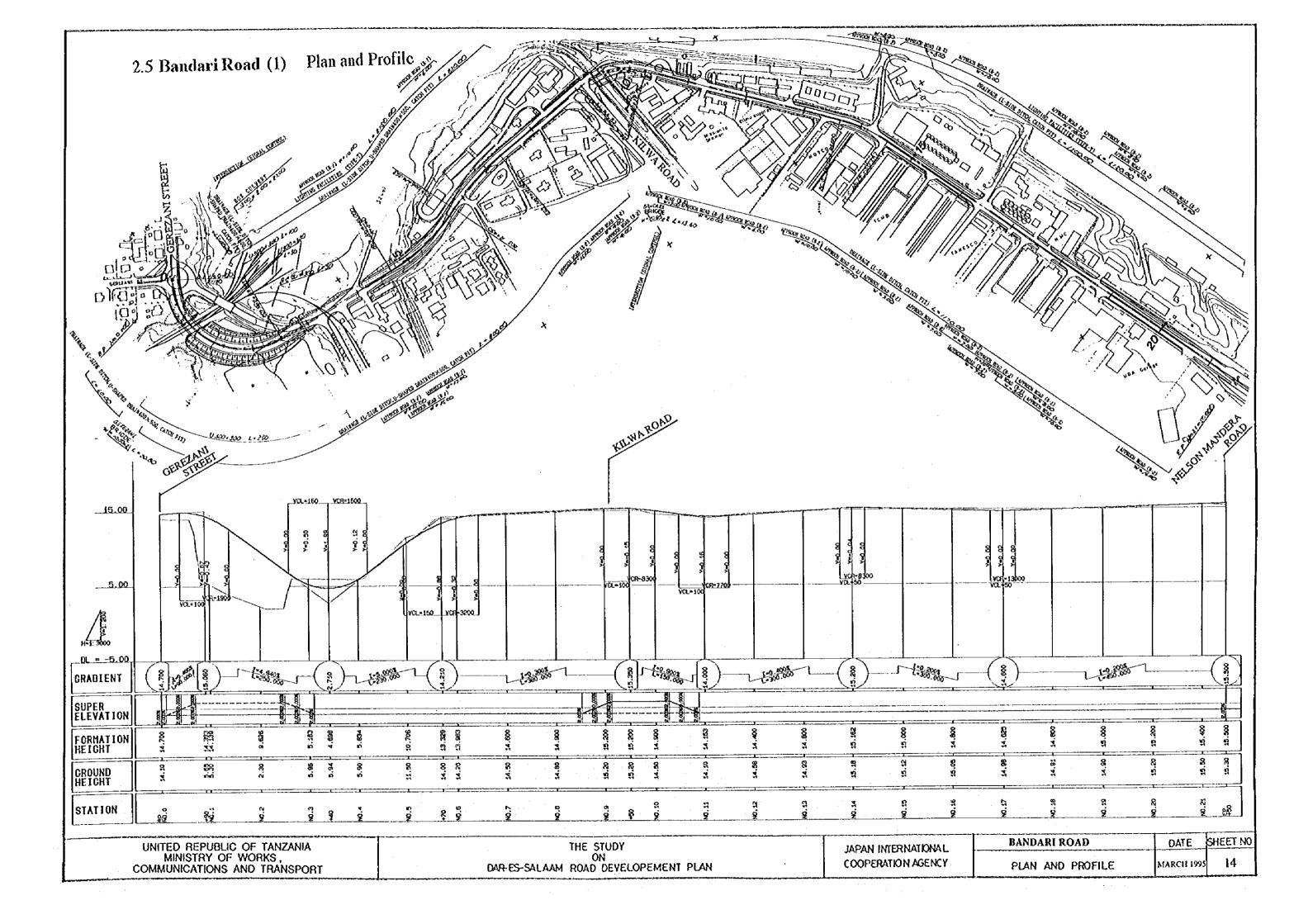
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GEREZANI STREET DATE SHEET NO

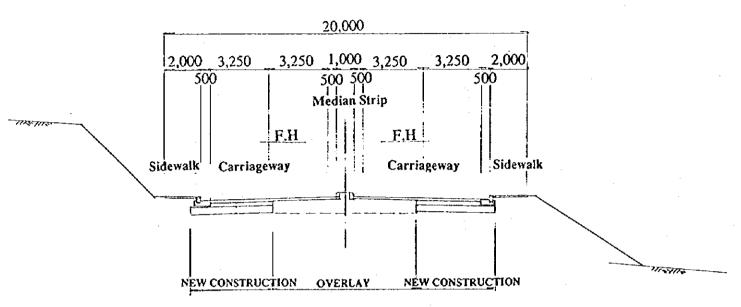
TYPICAL CROSS SECTION MARCH 1995 11



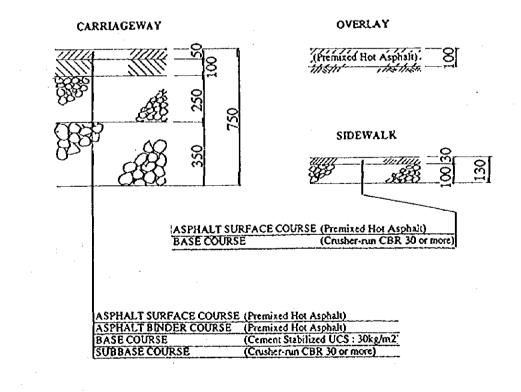




### (2) Typical Cross Section of Bandari Road

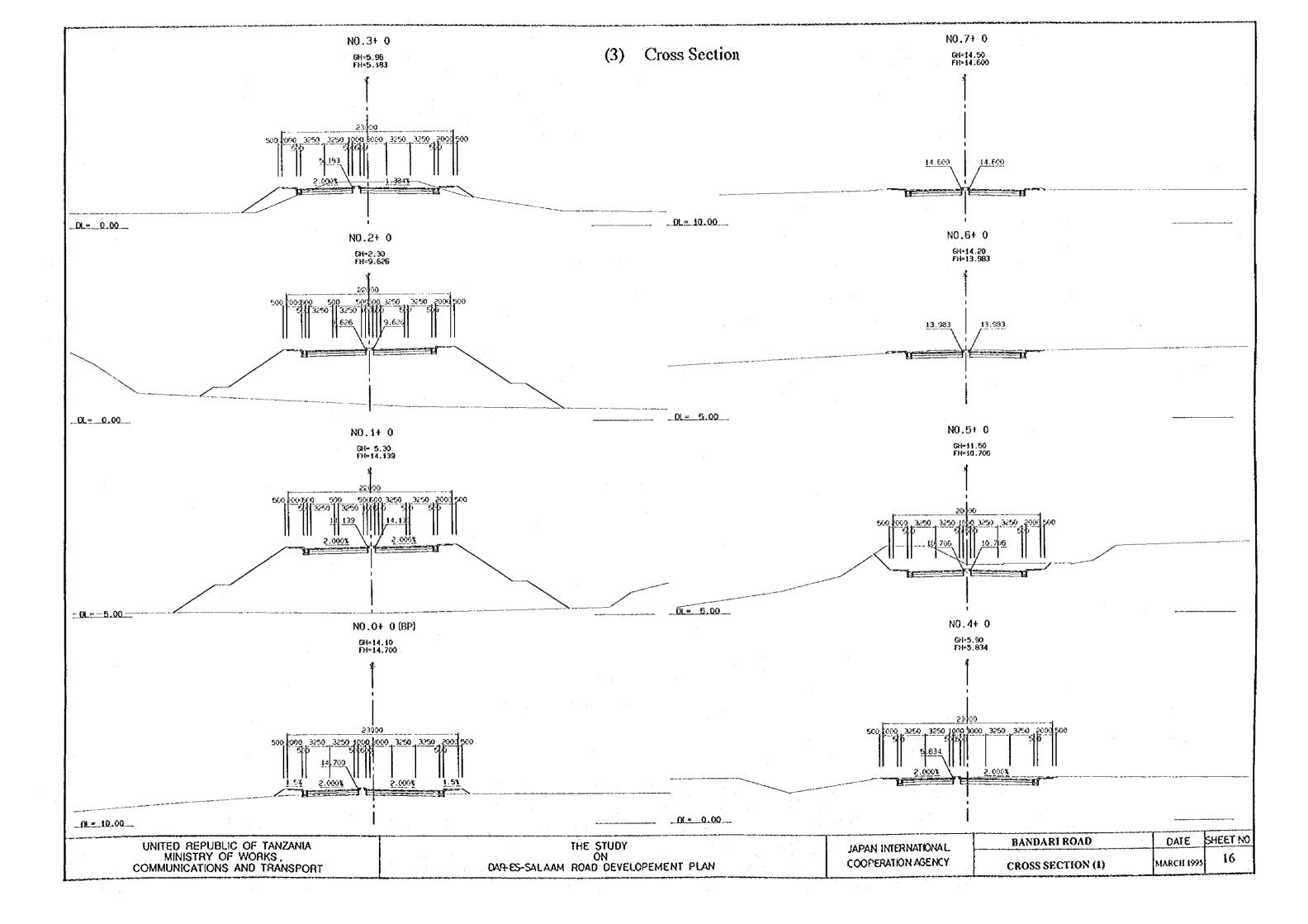


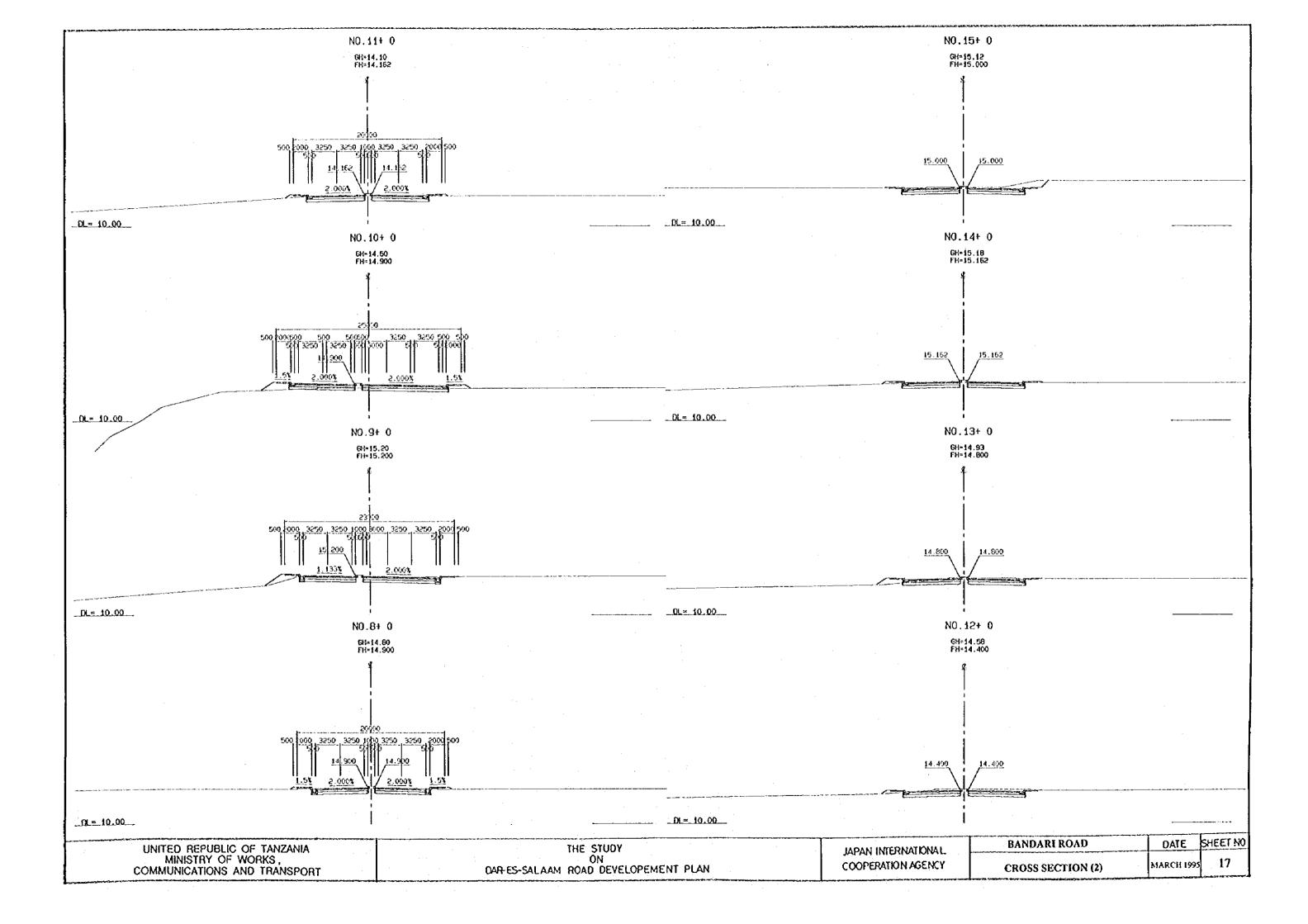
#### PAVEMENT STRUCTURE

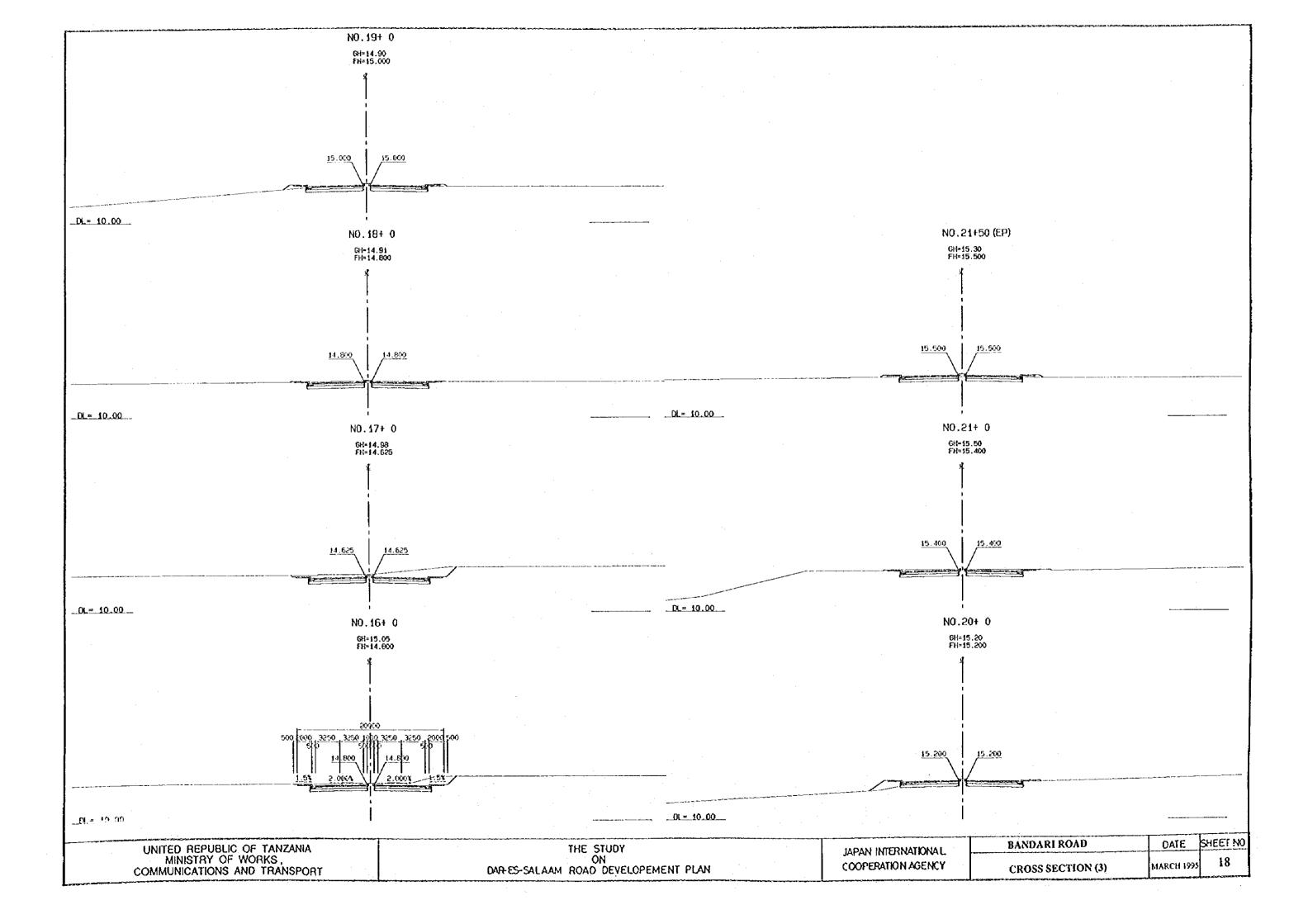


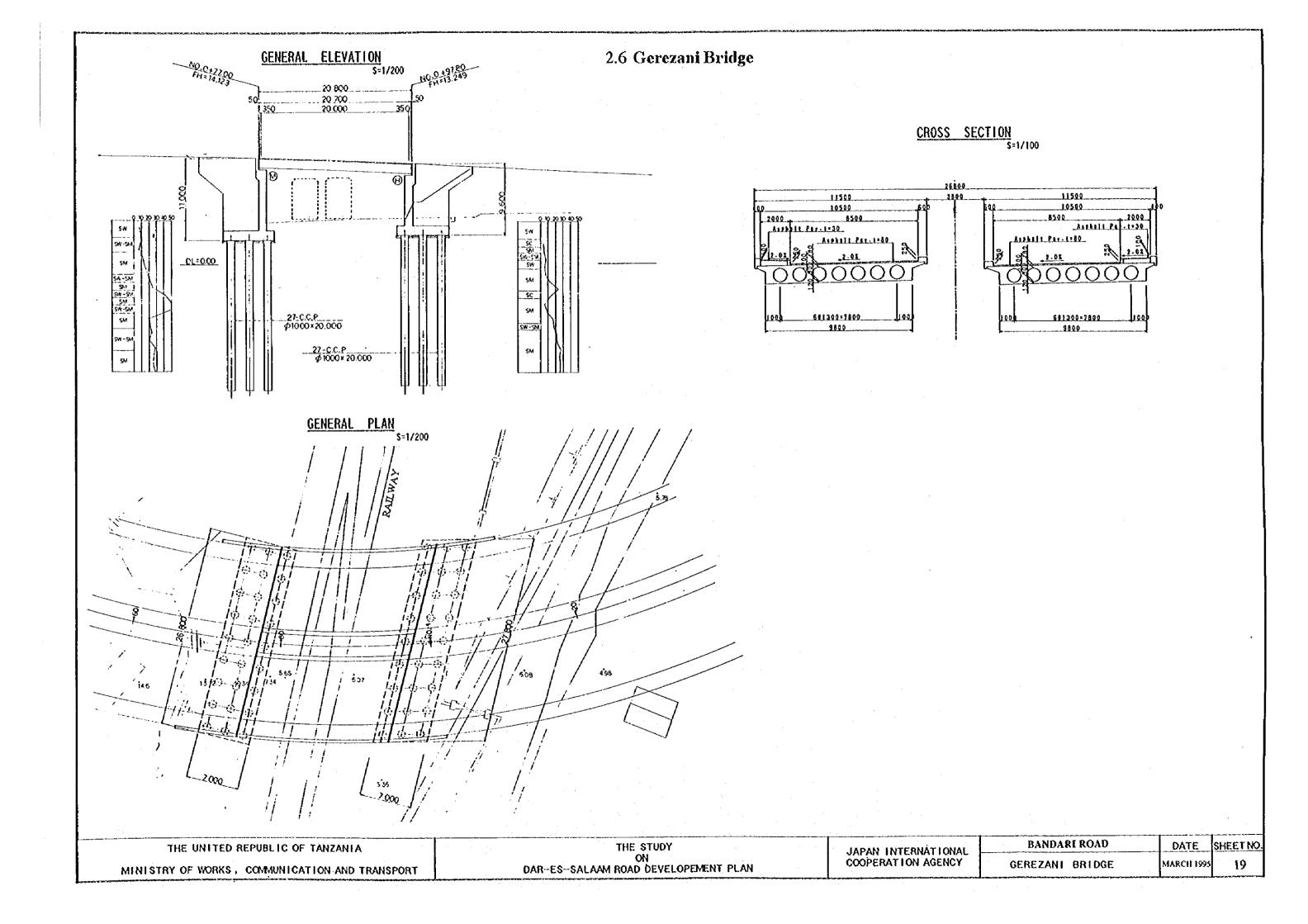
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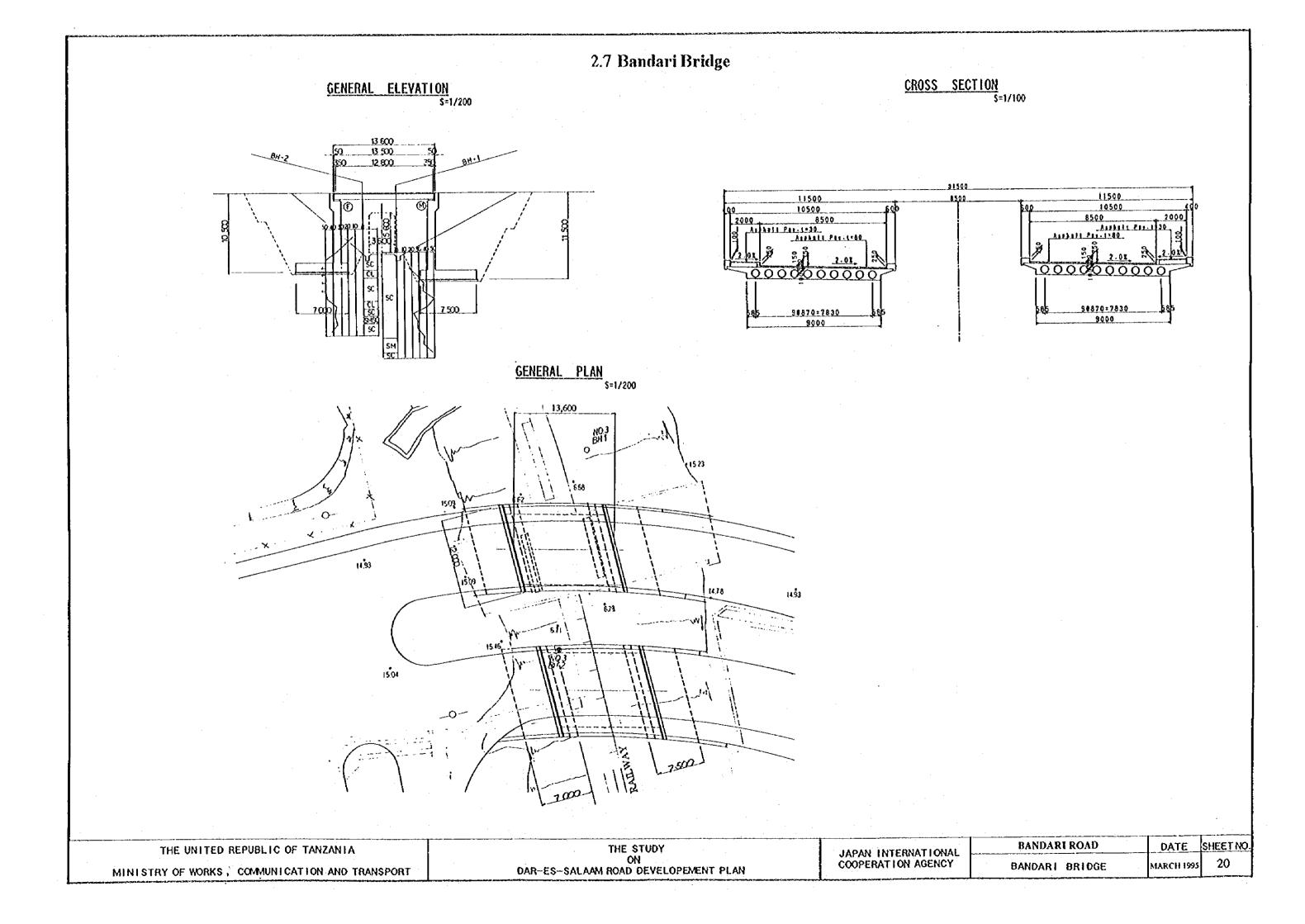
BANDARI ROAD	DATE	SHEET NO
TYPICAL CROSS SECTION	MARCH 1995	15

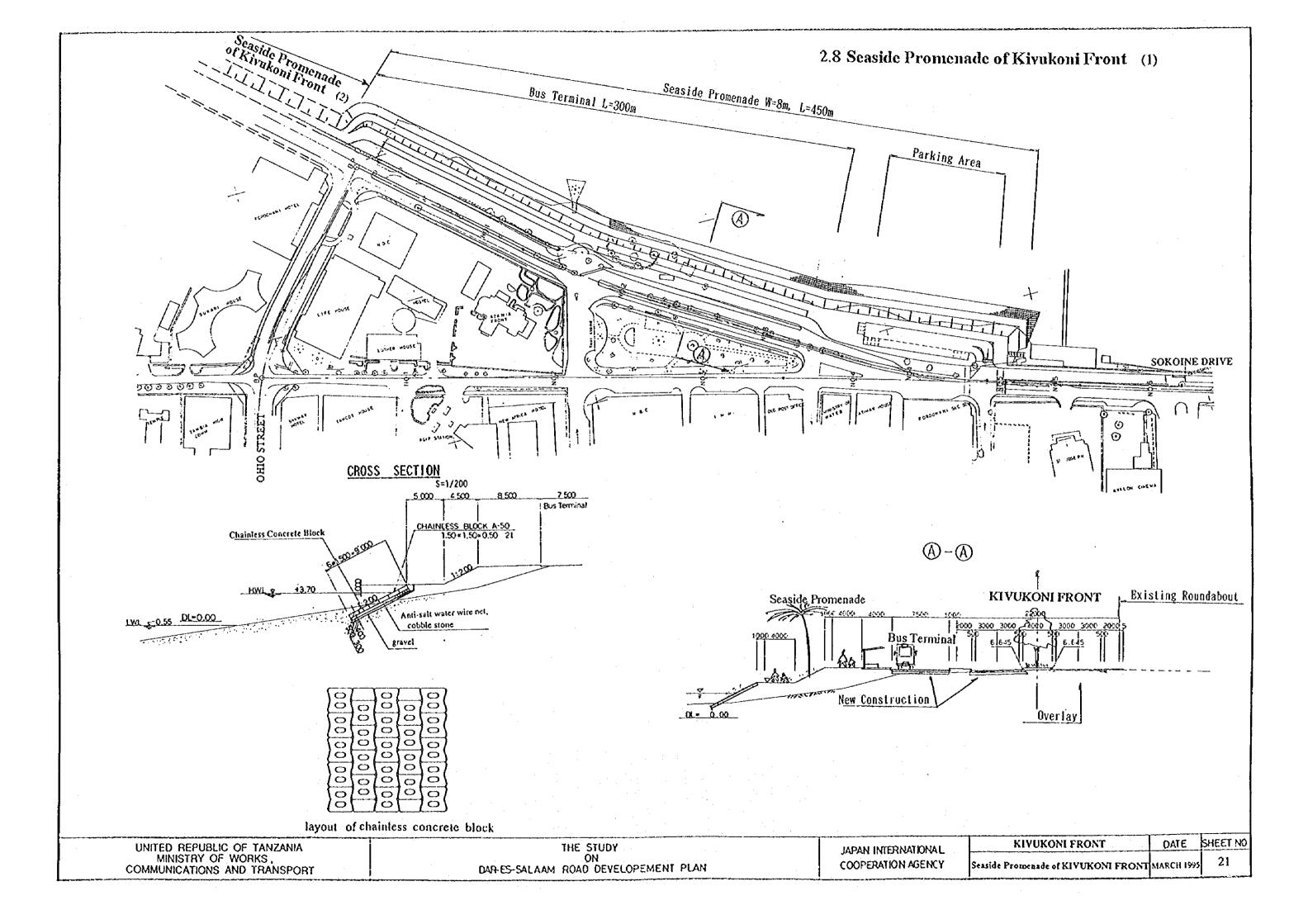




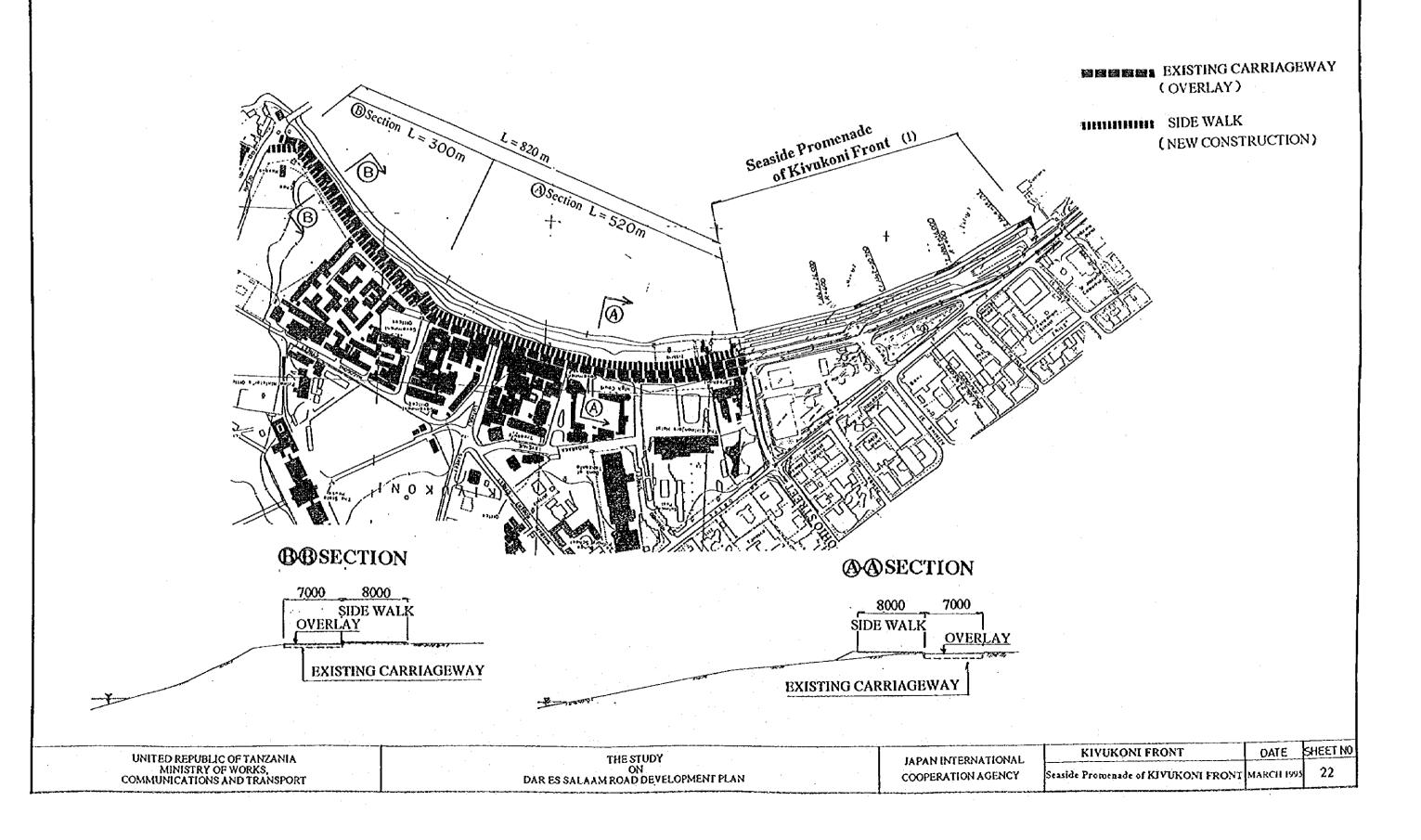




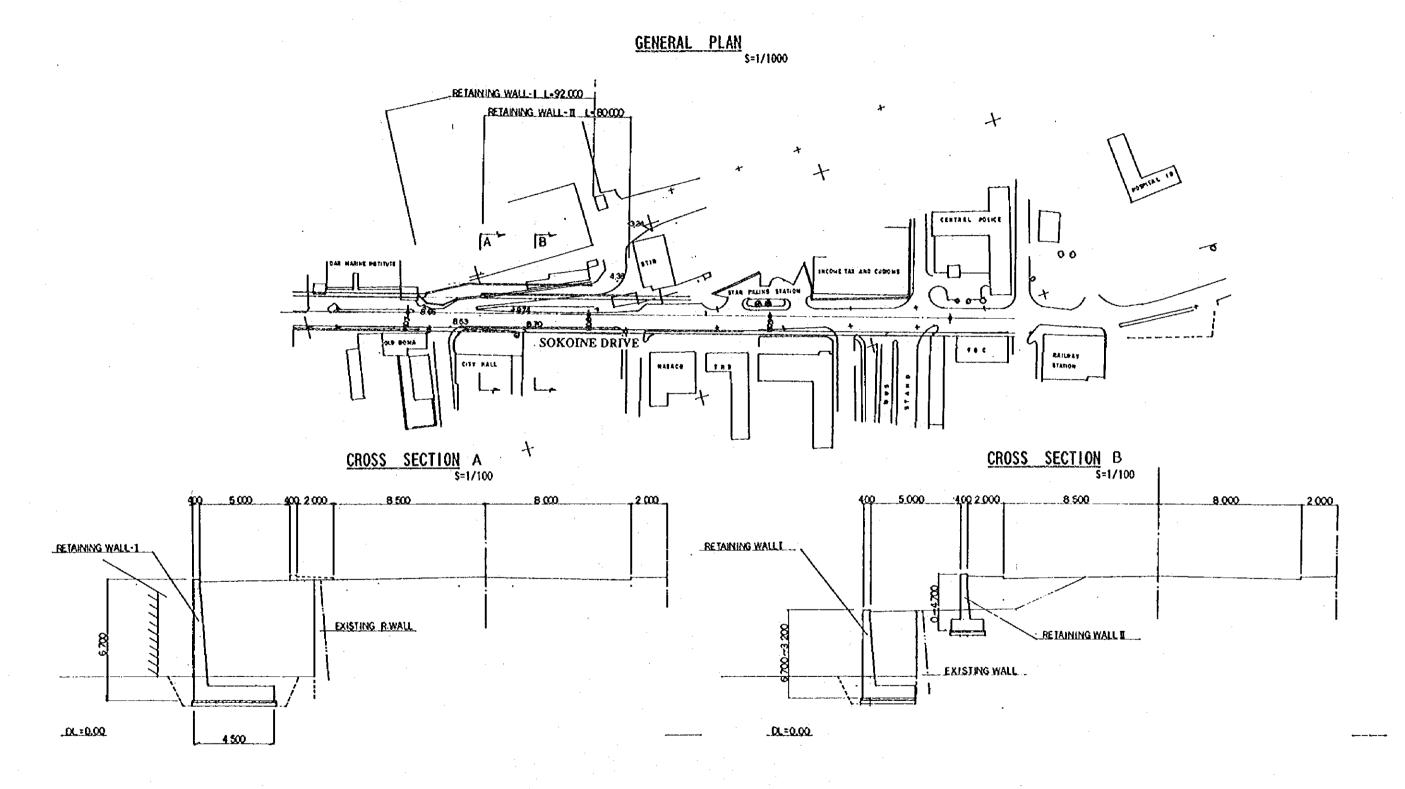




#### Seaside Promenade of Kivukoni Front (2)



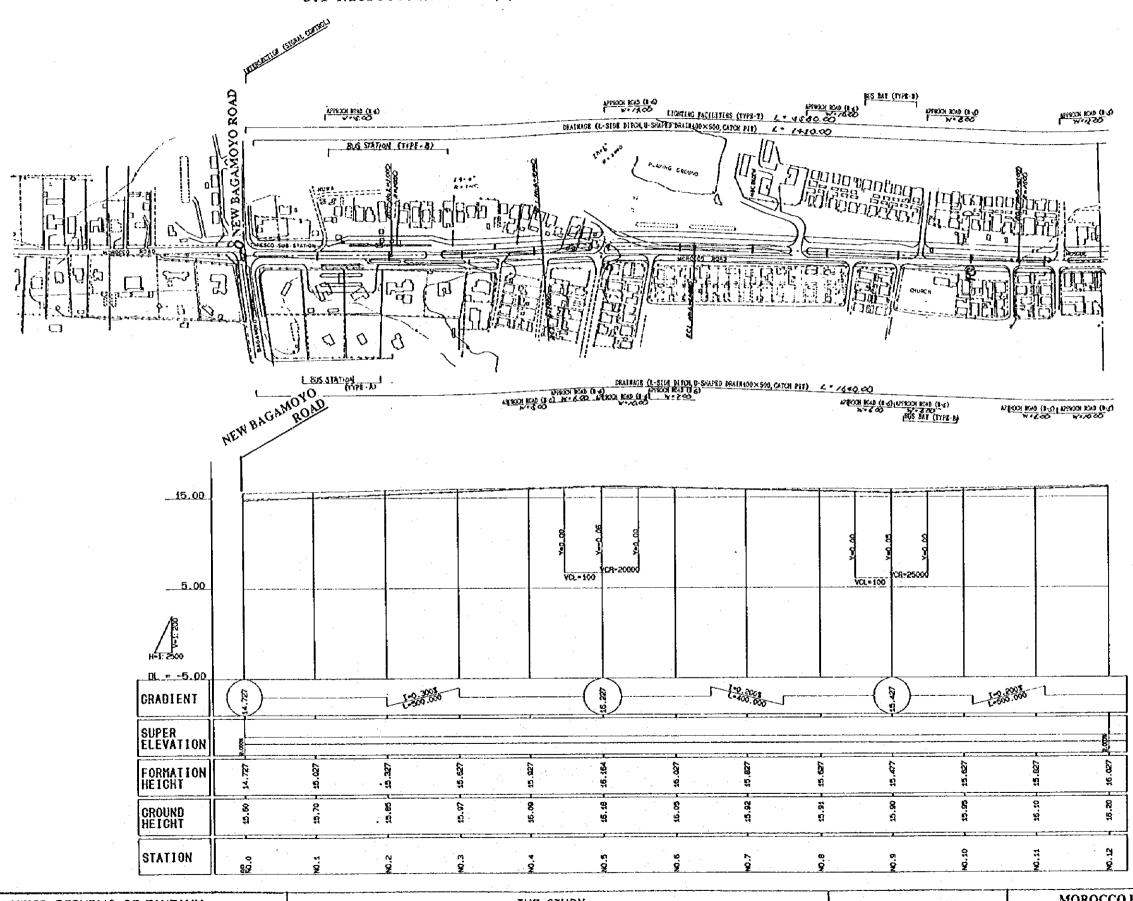
## 2.9 Retaining Wall of Harbor Access



THE UNITED REPUBLIC OF TANZANIA	THE STUDY	JAPAN INTERNATIONAL	SOKOINE DRIVE	DATE	SHEET NO
MINISTRY OF WORKS, COMMUNICATION AND TRANSPORT	ON DAR-ES-SALAAM ROAD DEVELOPEMENT PLAN	COOPERATION AGENCY	HARBOR ACCESS RETAINING WALL	MARCH 1995	23

## 3. Package 2: Widening of Middle Ring Road with construction of Missing Link

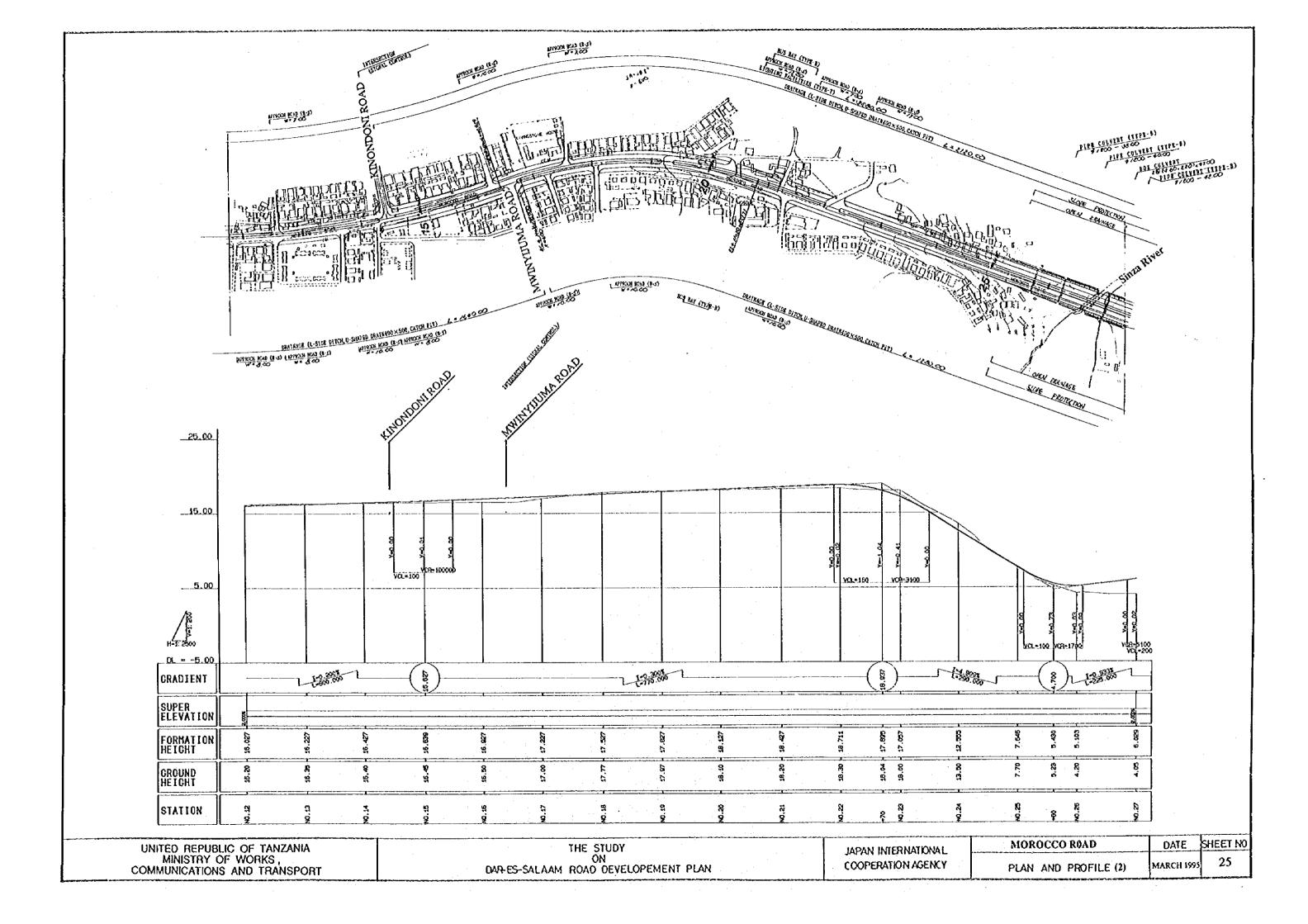
3.1 Morocco Road (1) Plan and Profile

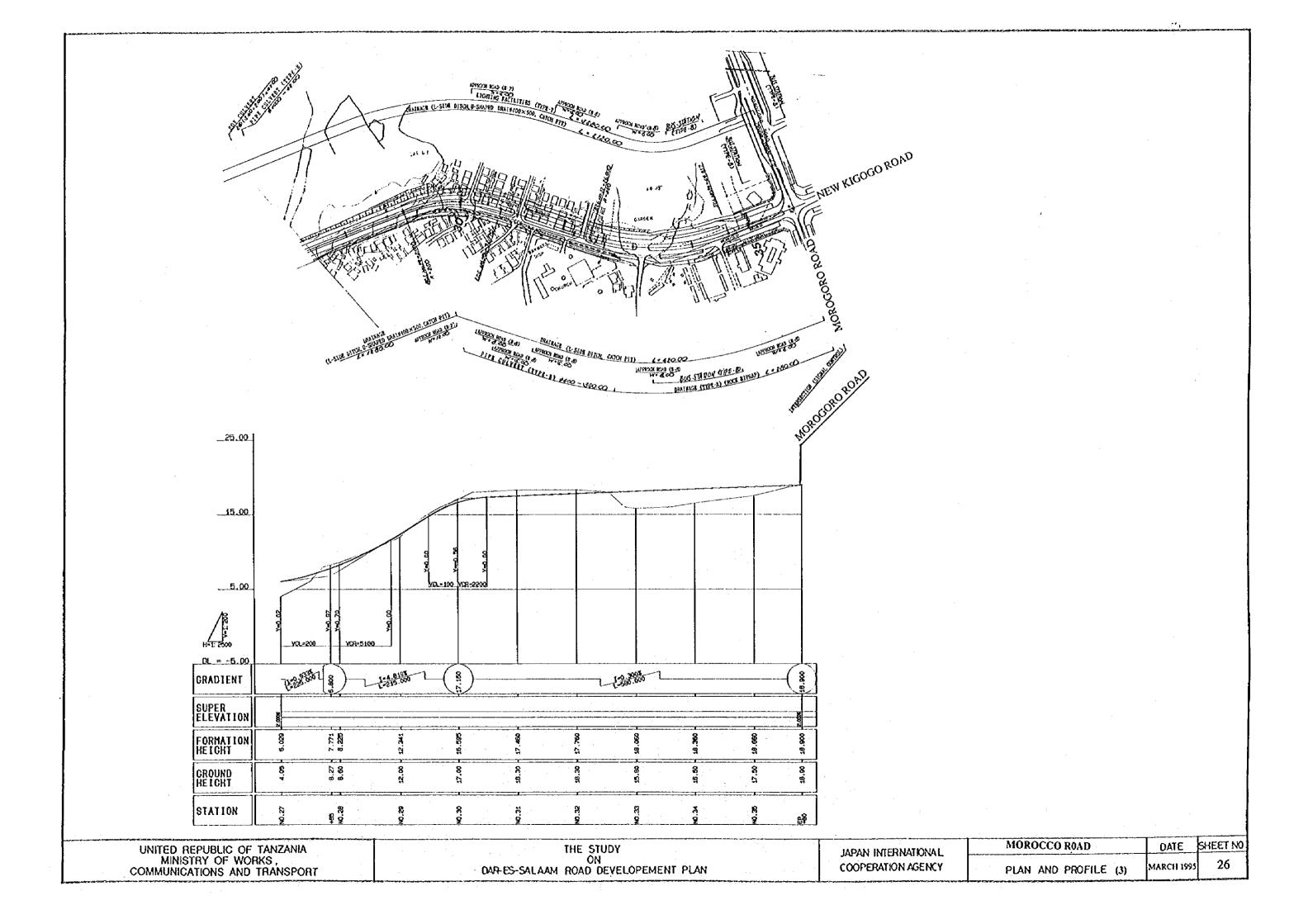


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ON
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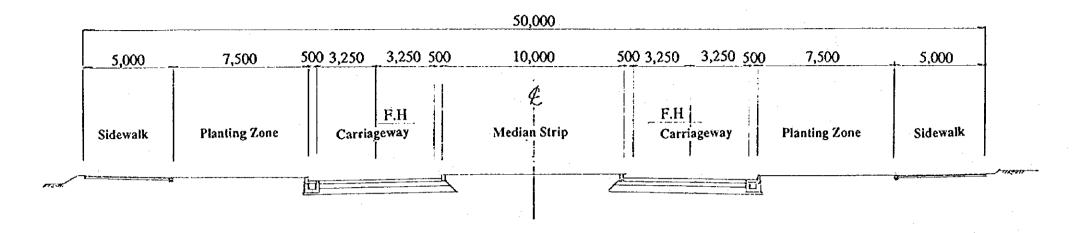
JAPAN INTERNATIONAL COOPERATION AGENCY

MOROCCO ROAD DATE SHEET NO
PLAN AND PROFILE (1) MARCH 1995 24

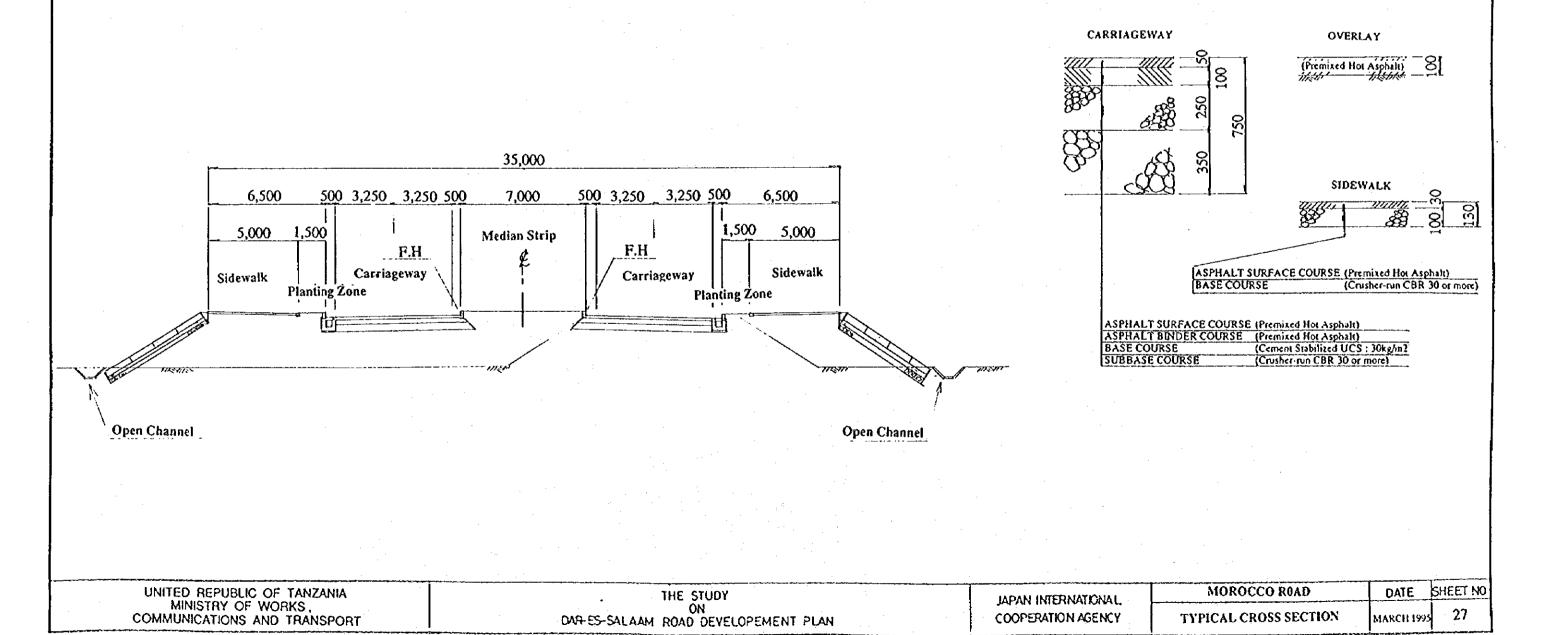


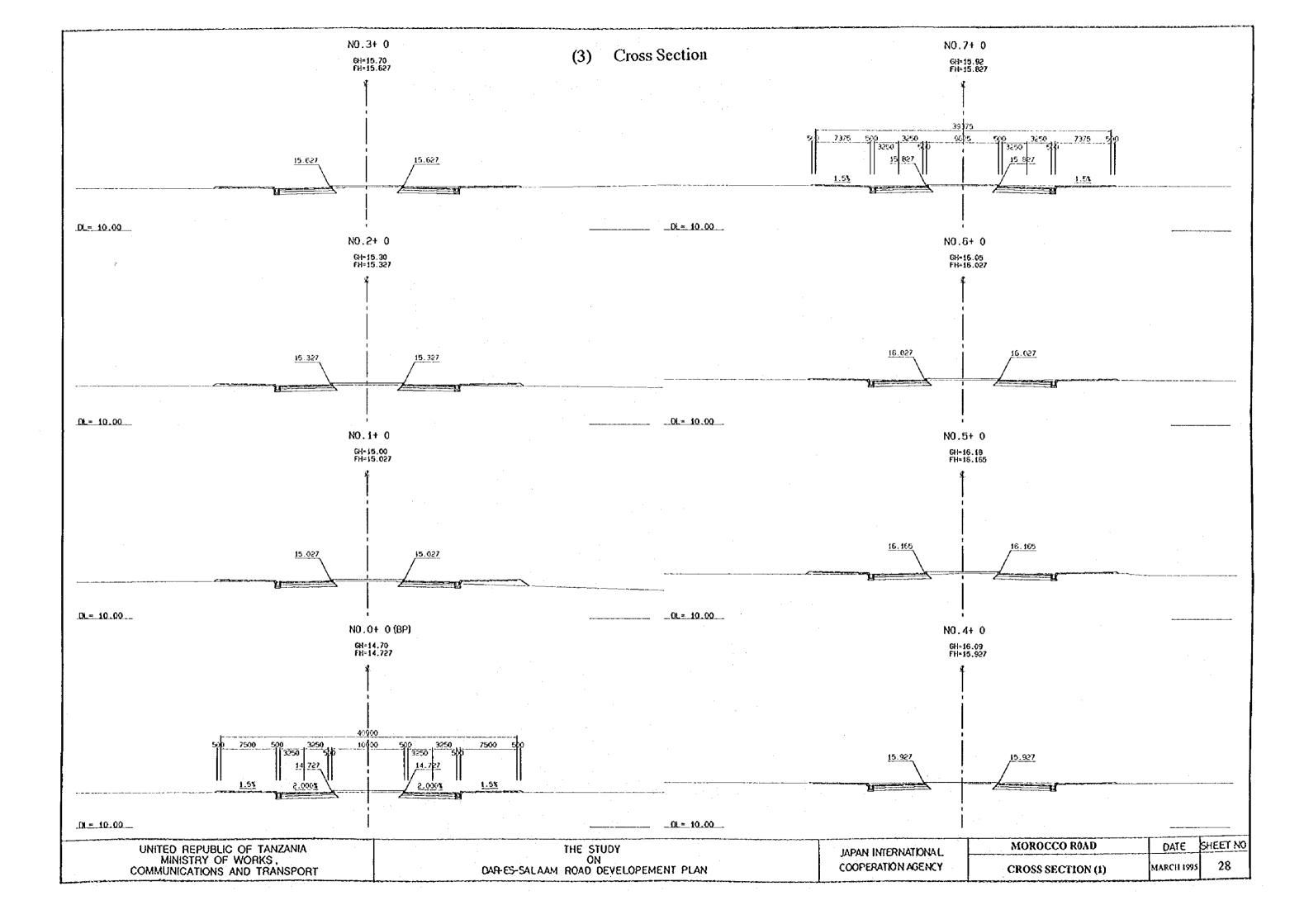


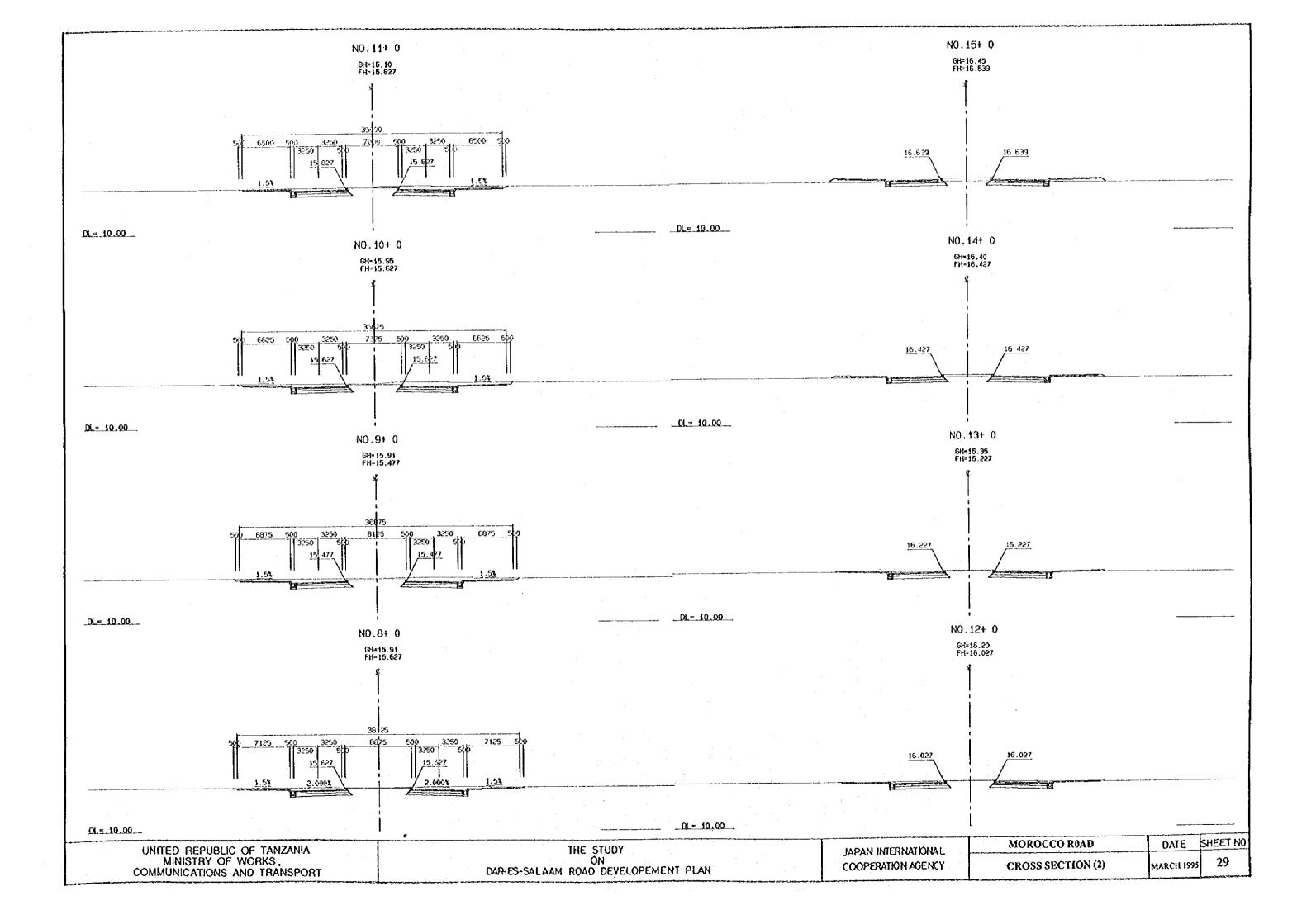
#### (2) Typical Cross Section of Morocco Road

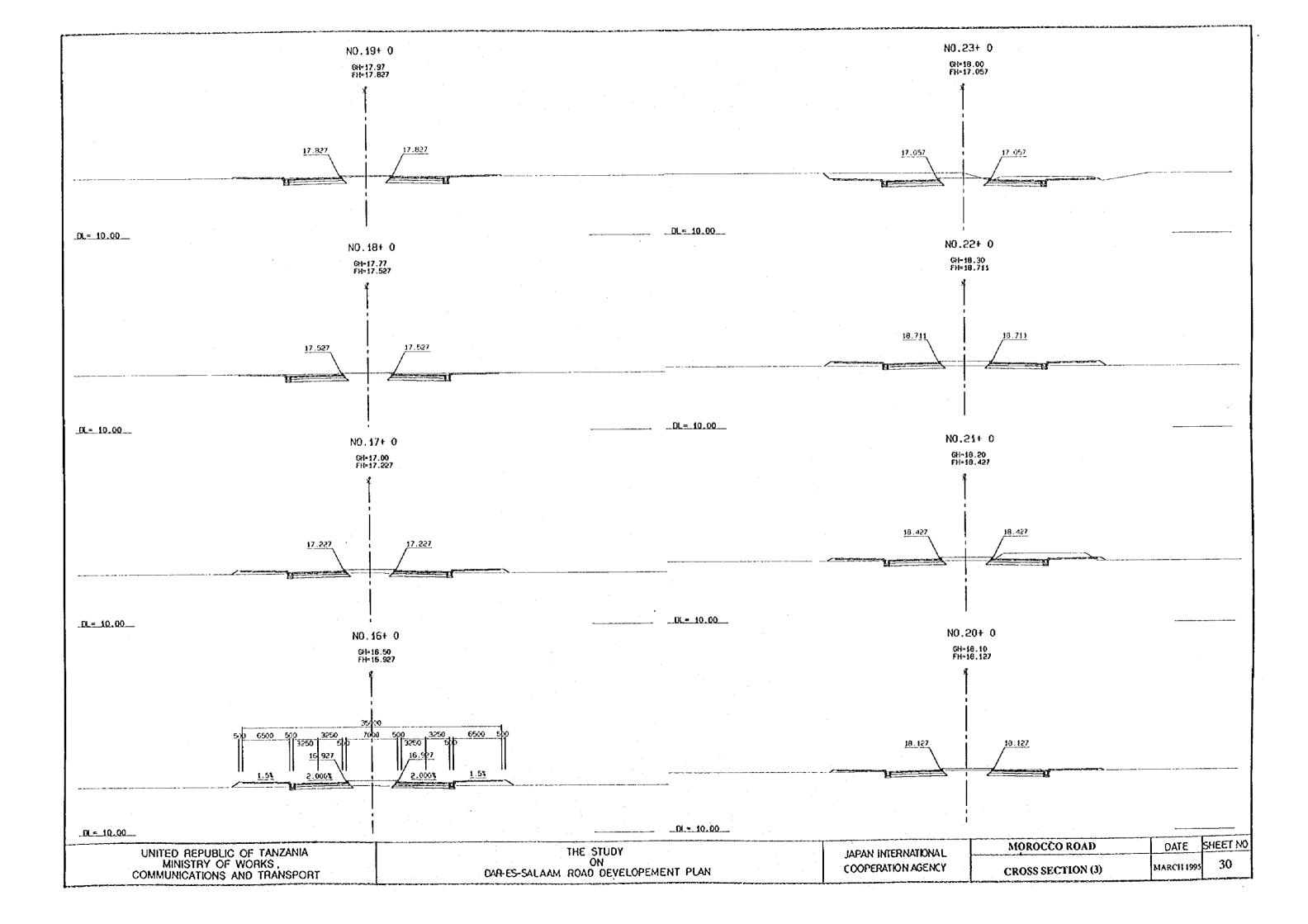


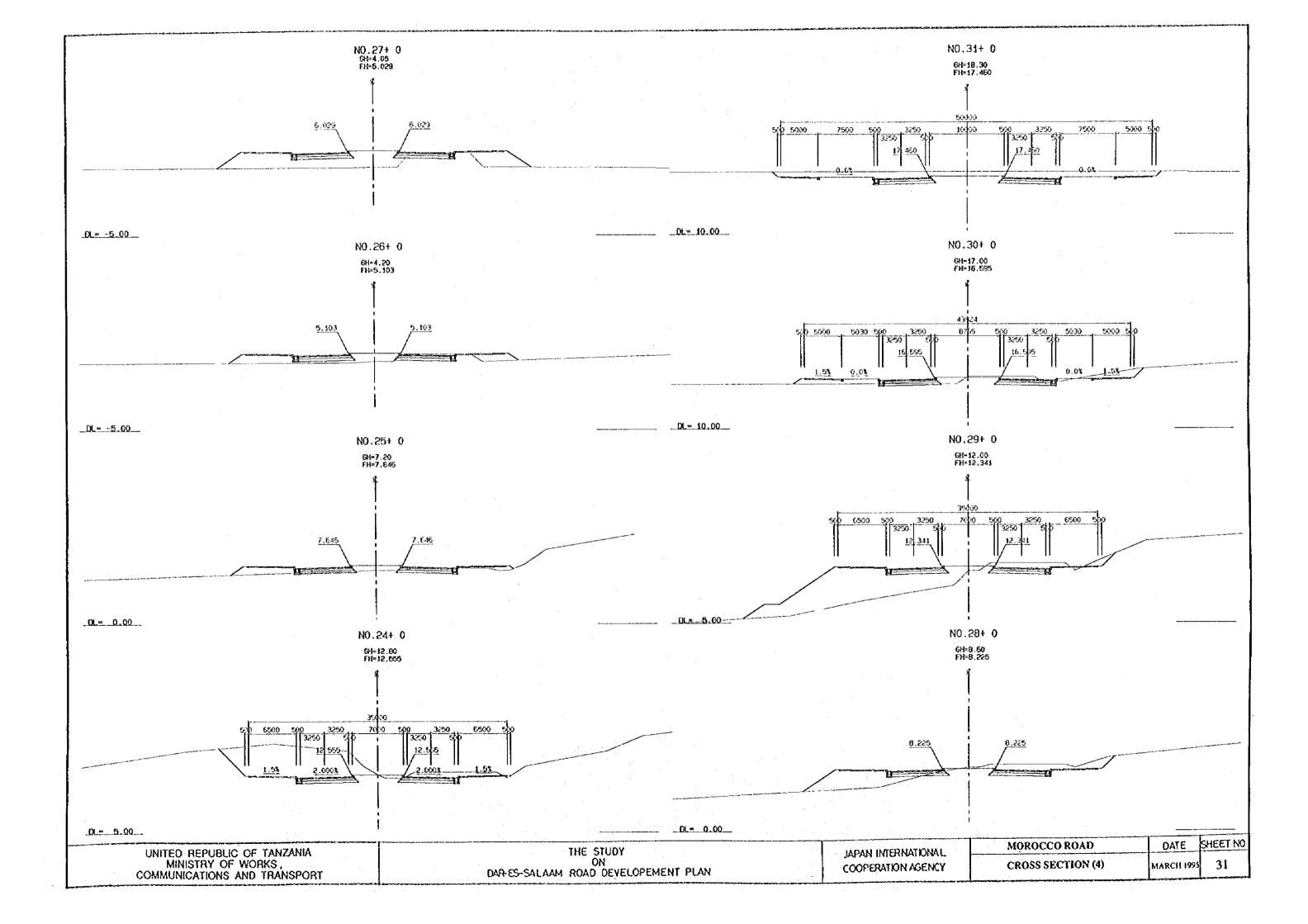
#### PAVEMENT STRUCTURE

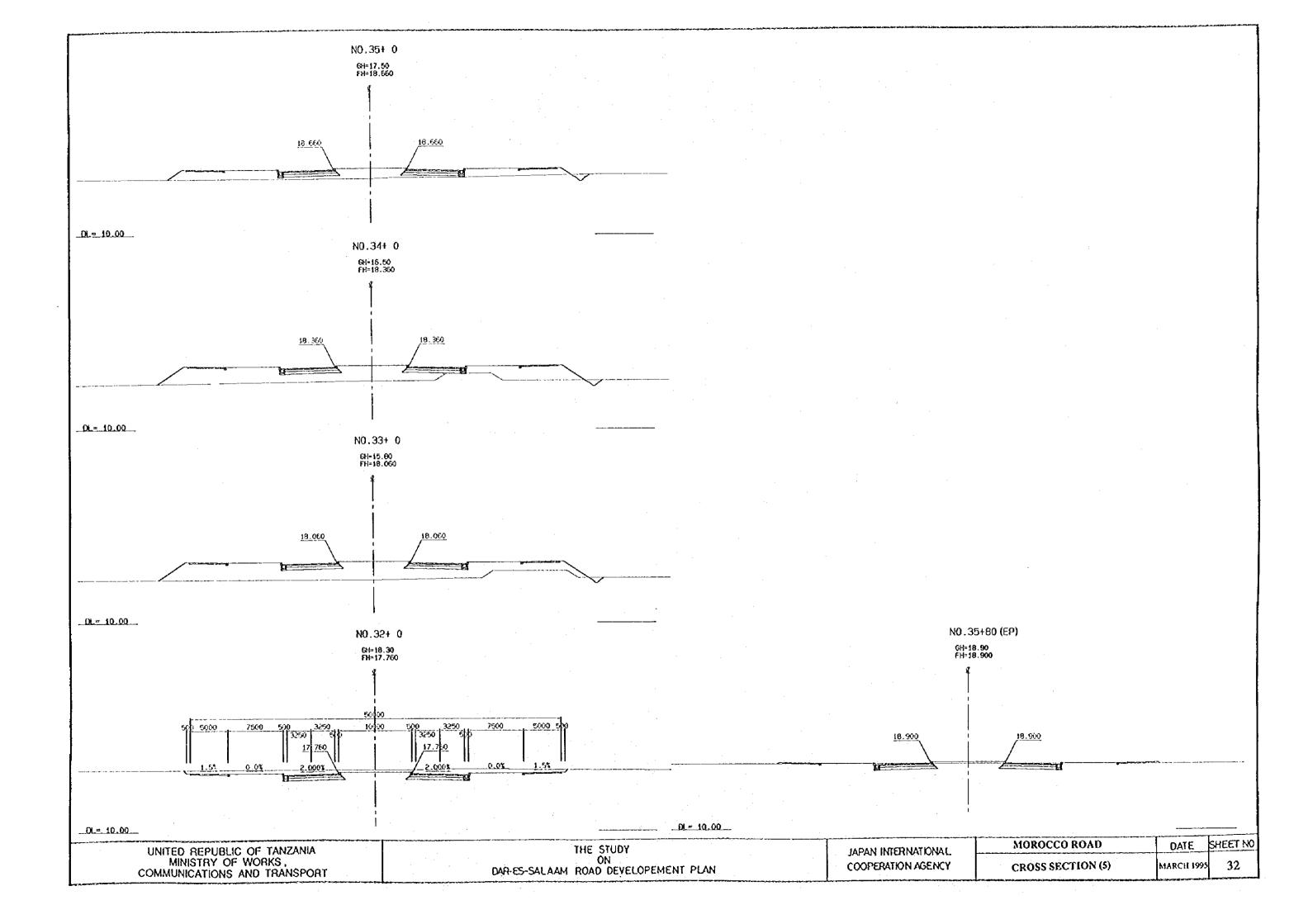


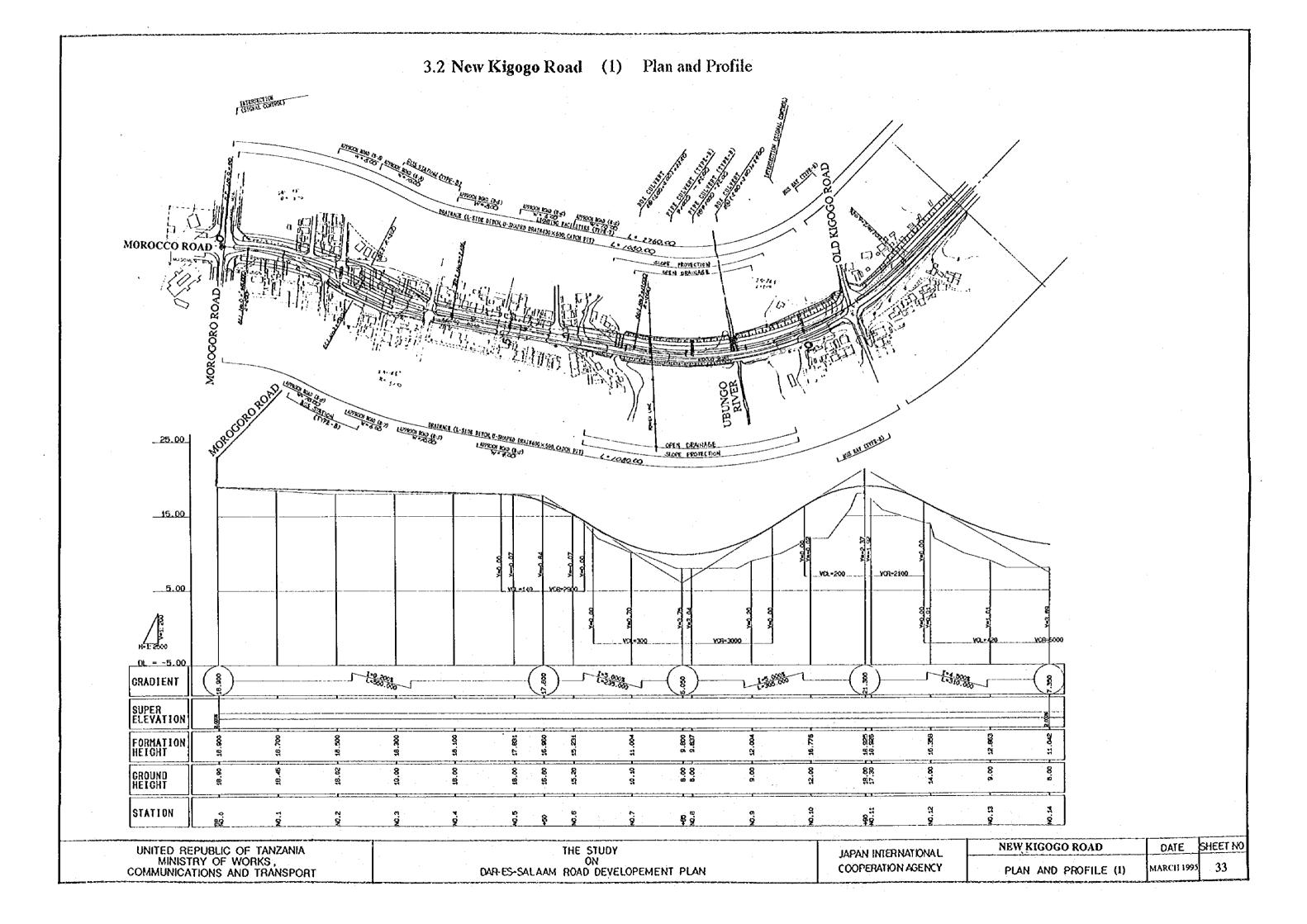


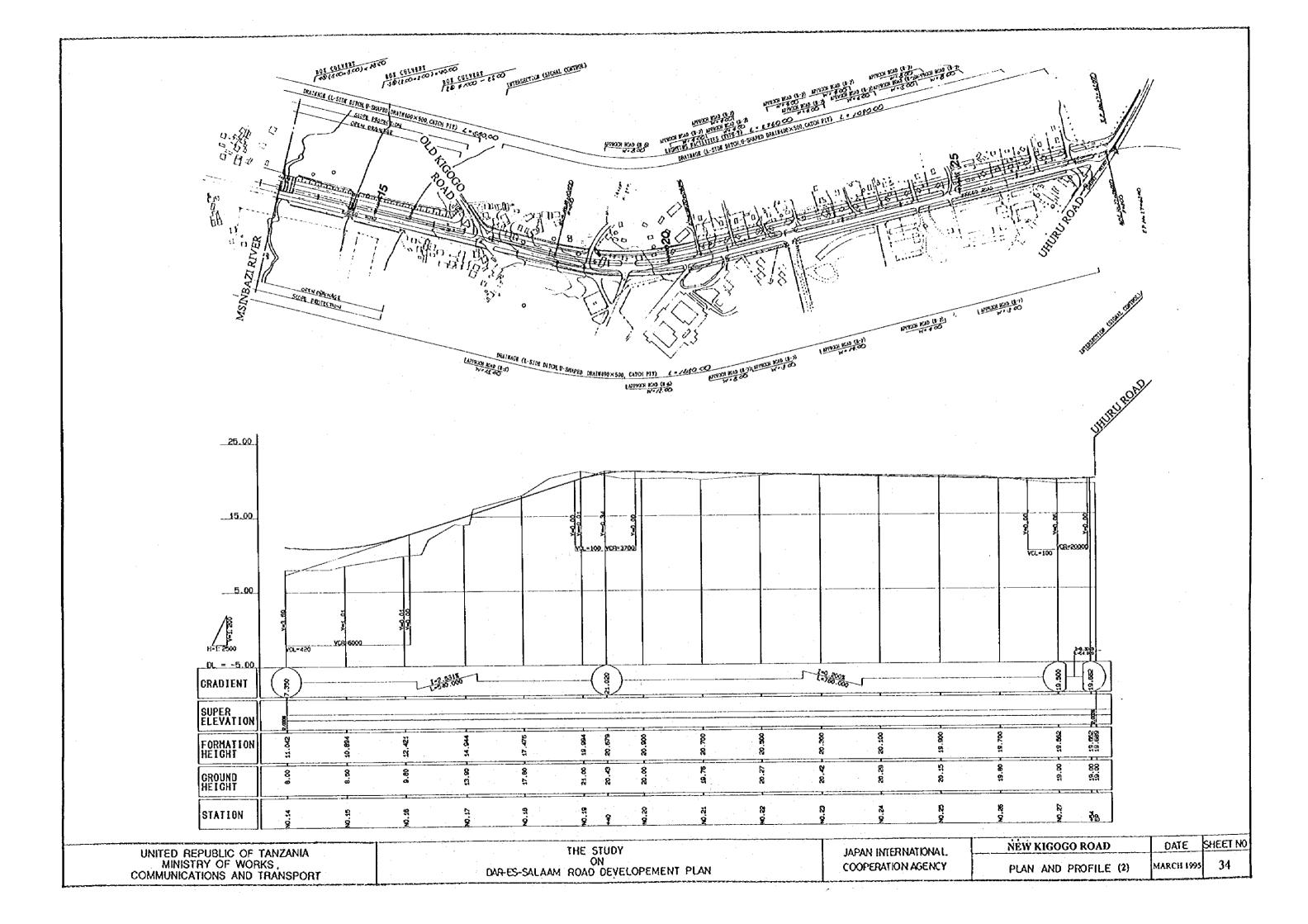




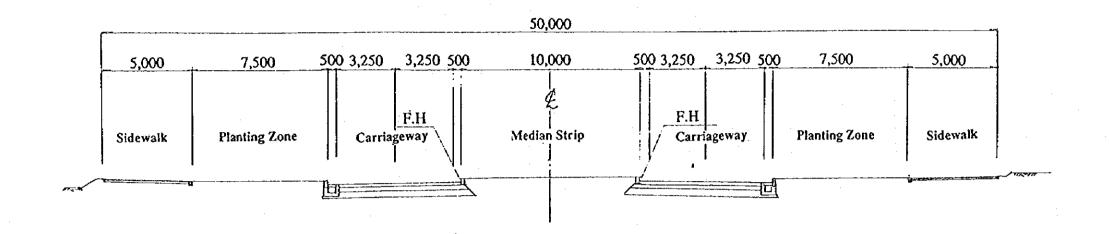




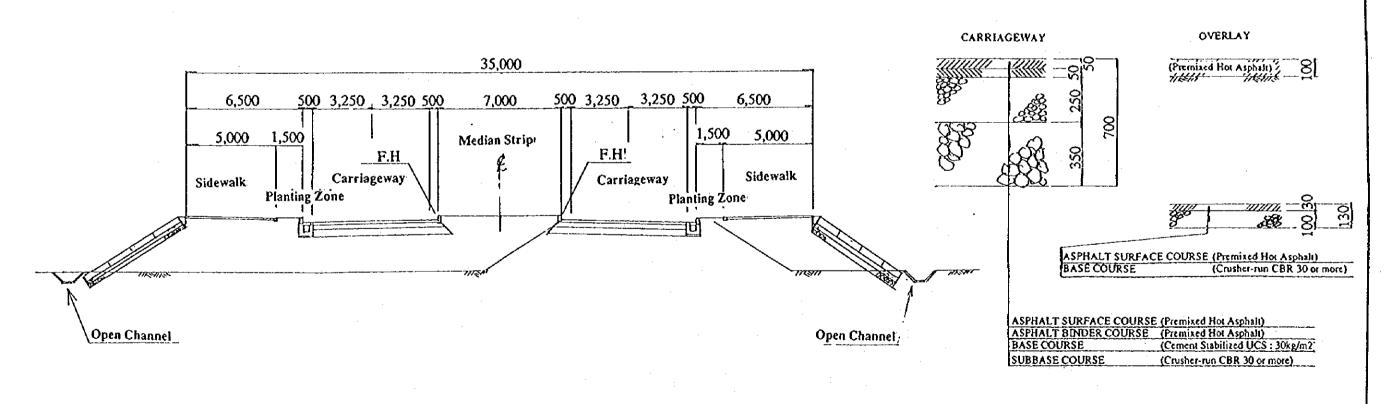




### (2) Typical Cross Section of New Kigogo Road



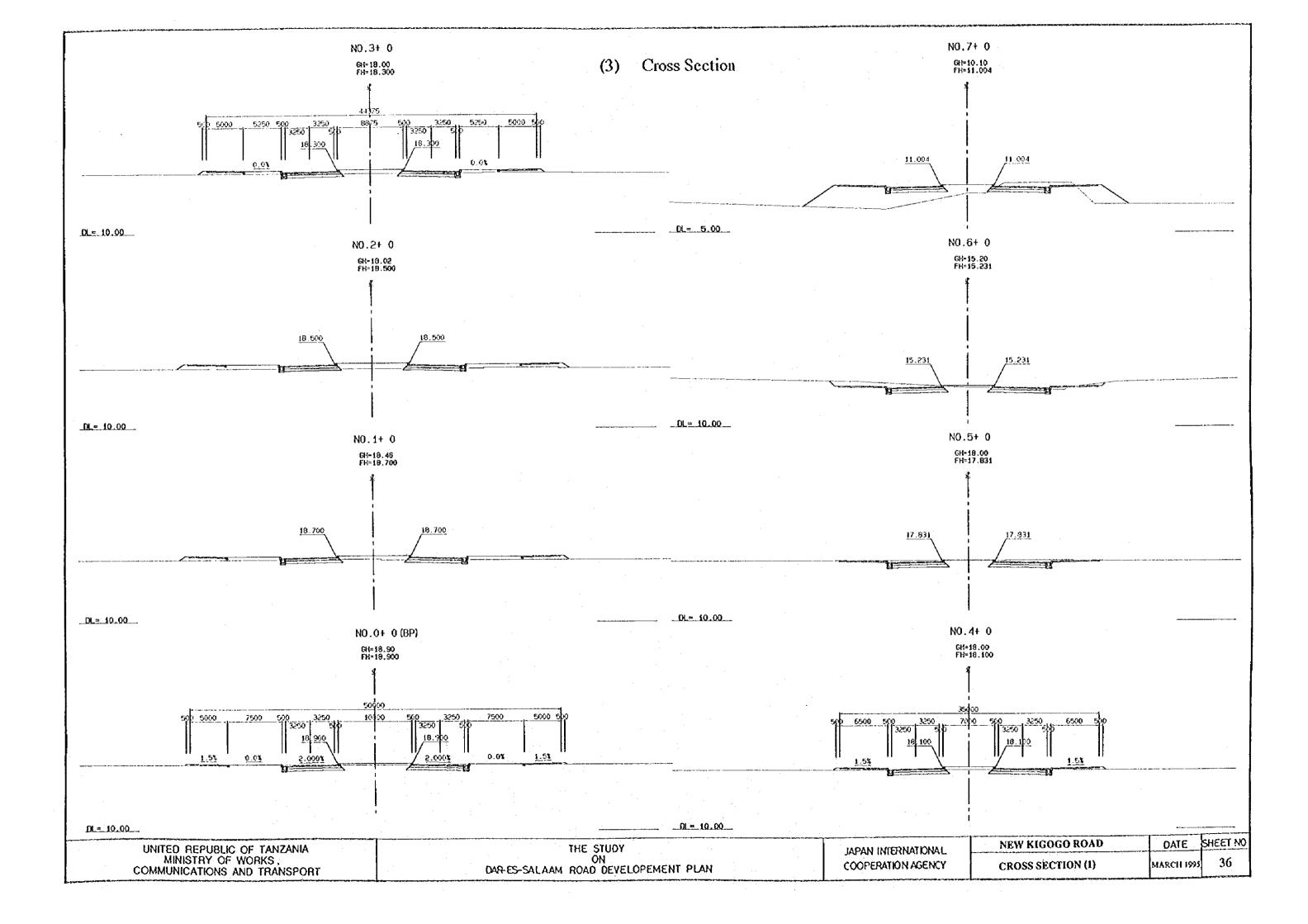
#### PAVEMENT STRUCTURE

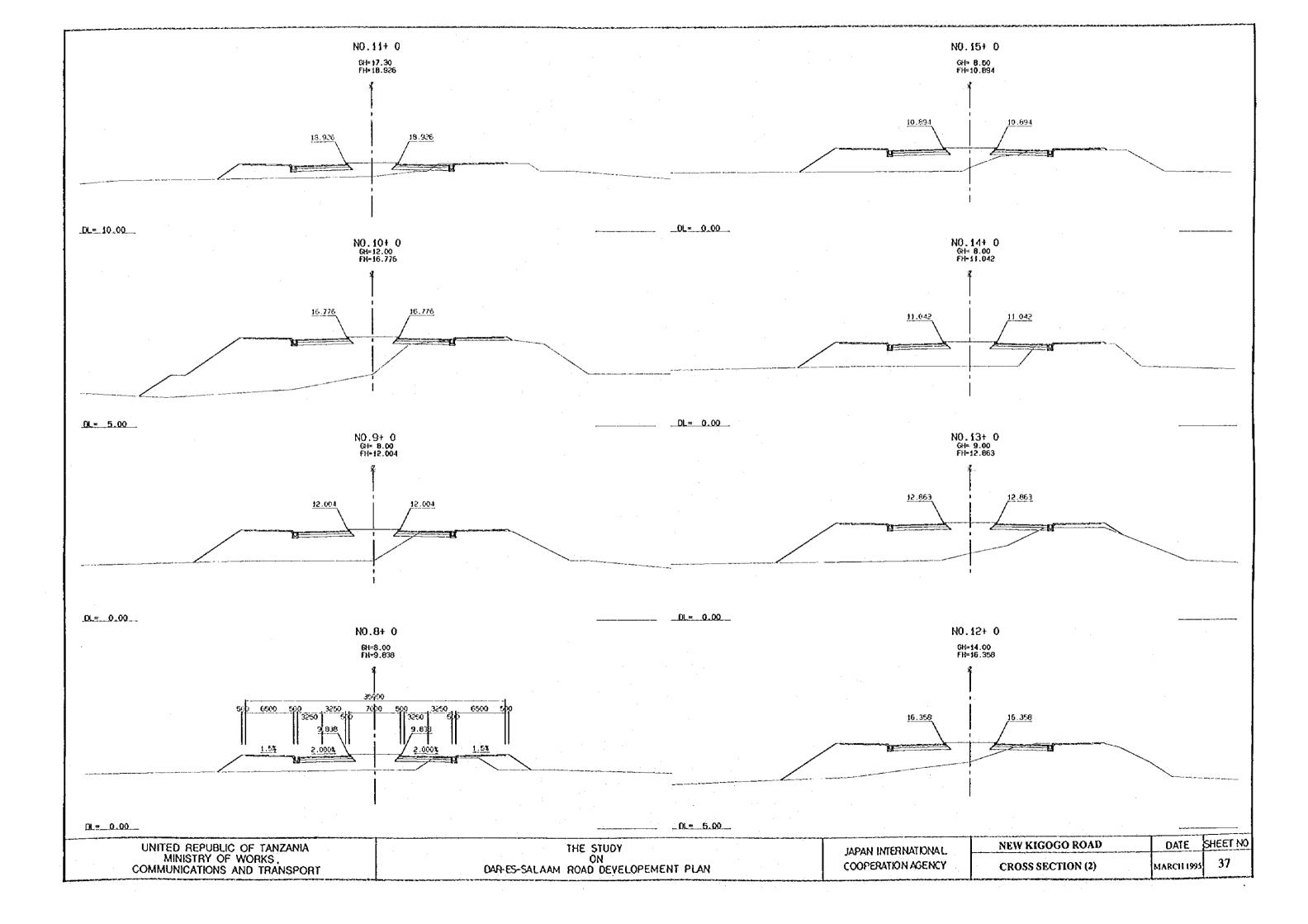


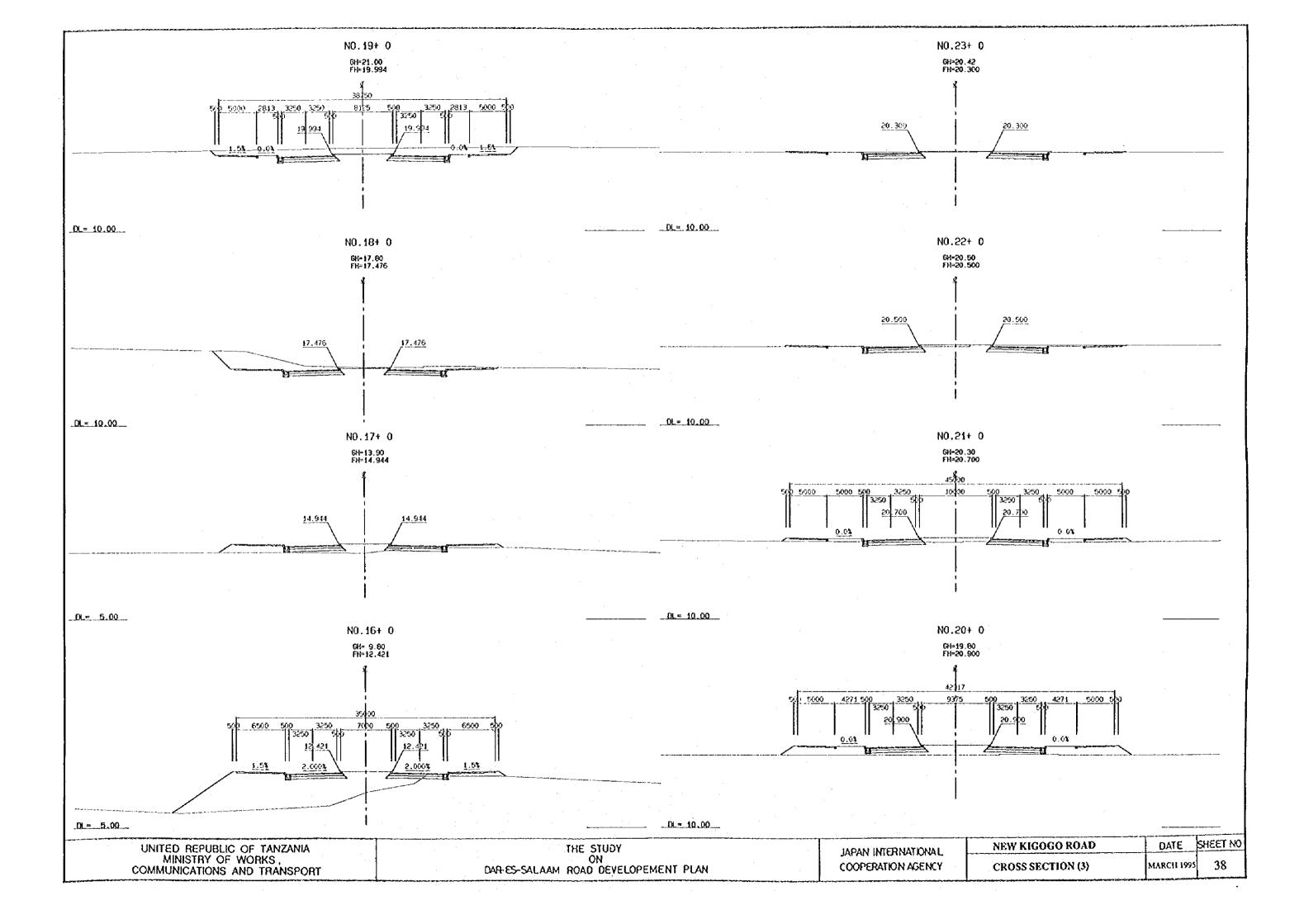
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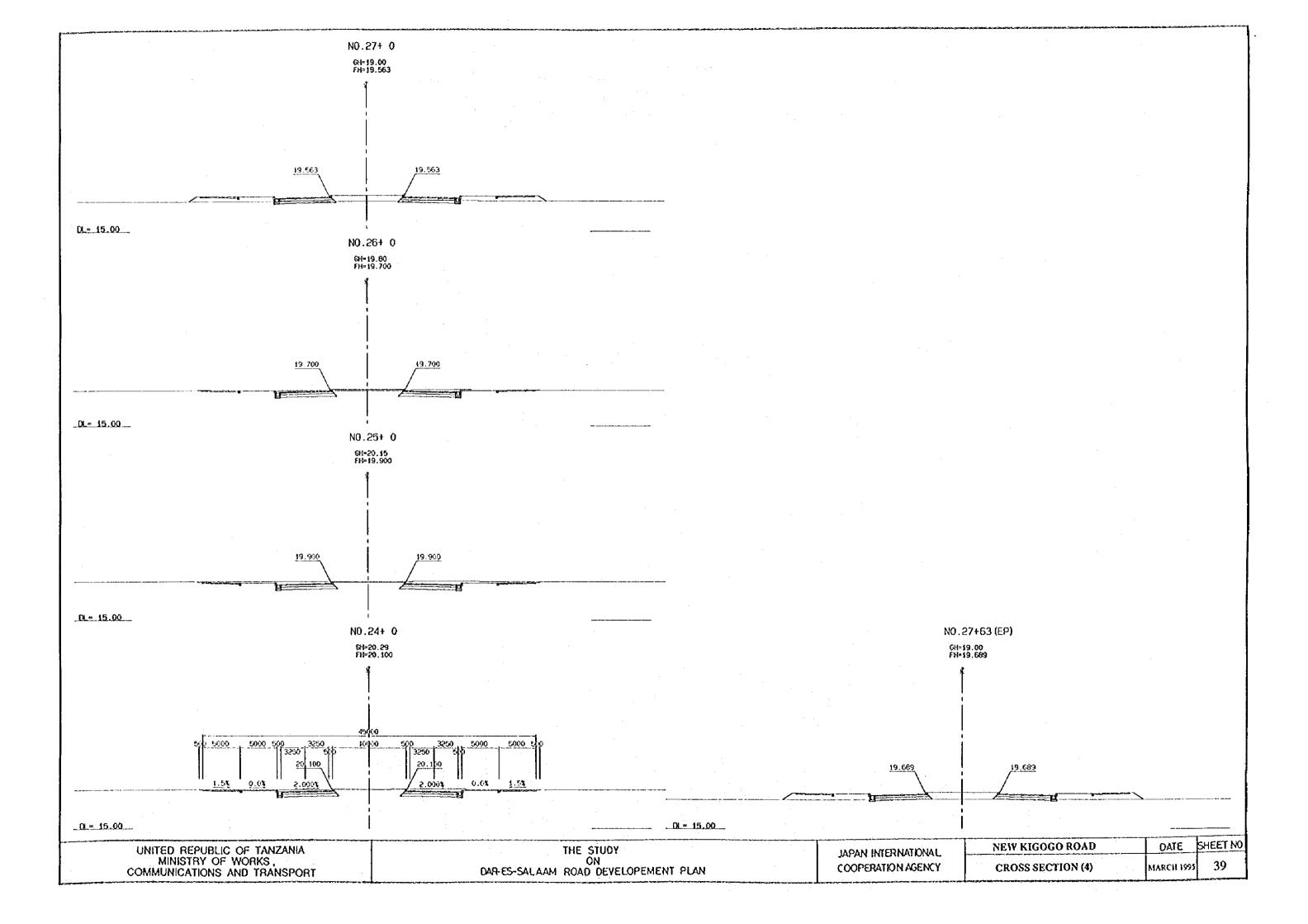
JAPAN INTERNATIONAL
COOPERATION AGENCY

NEW KIGOGO ROAD	DATE	SHEET NO
TYPICAL CROSS SECTION	MARCH 1995	35

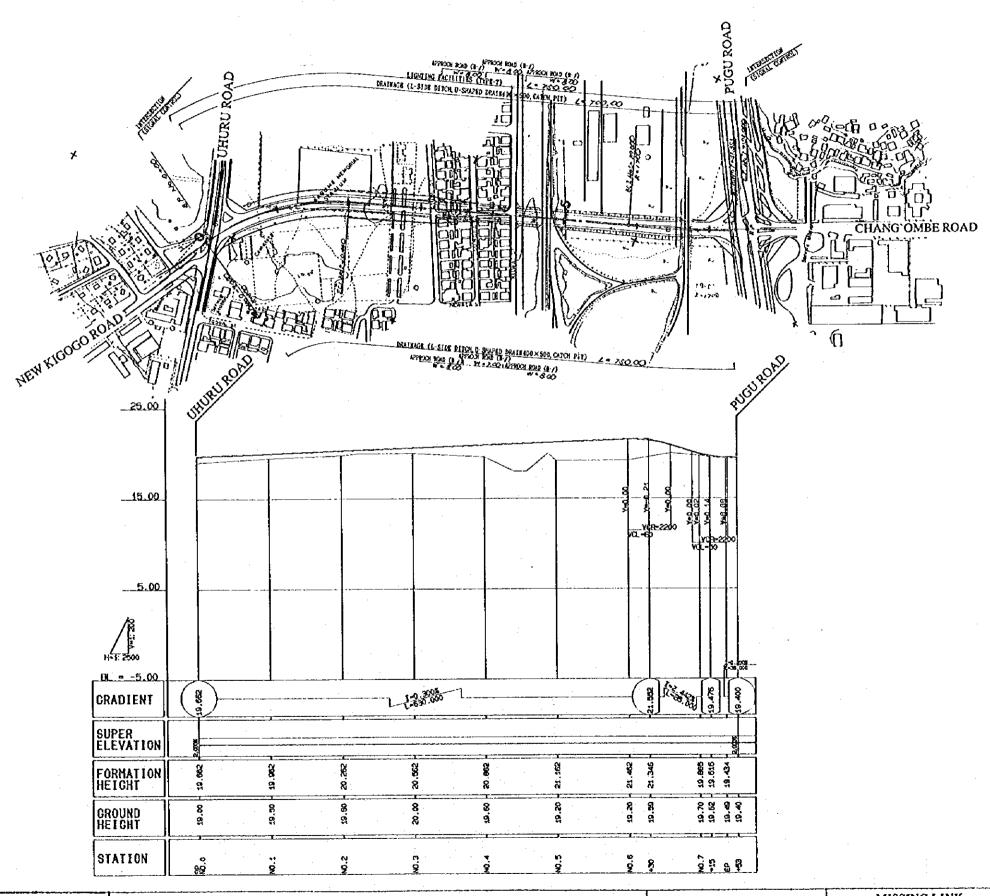








## 3.3 Missing Link (1) Plan and Profile

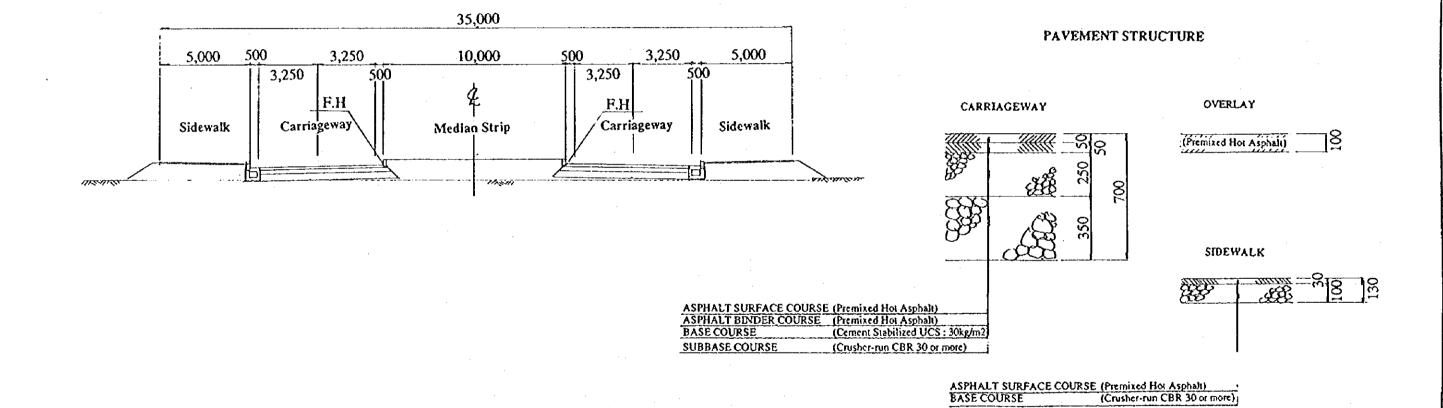


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MISSING LINK DATE SHEET NO
PLAN AND PROFILE MARCH 1995 40

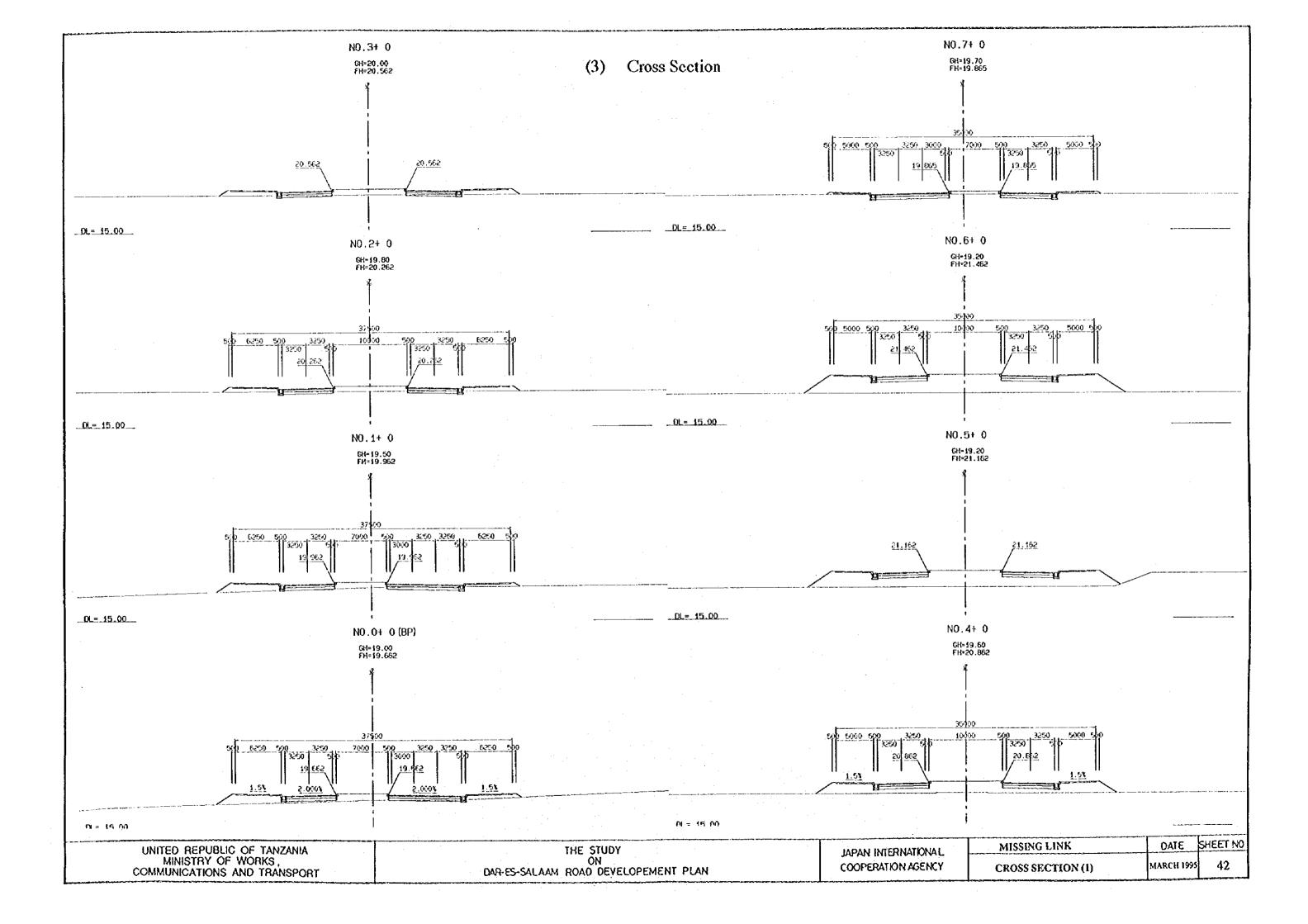
### (2) Typical Cross Section of Missing Link

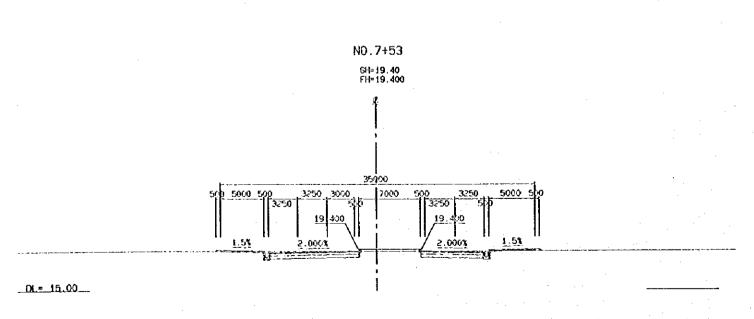


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DAR-ES-SALAAM ROAD DEVELOPEMENT PLAN

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MISSING LINK DATE SHEET NO
TYPICAL CROSS SECTION MARCH 1995 41

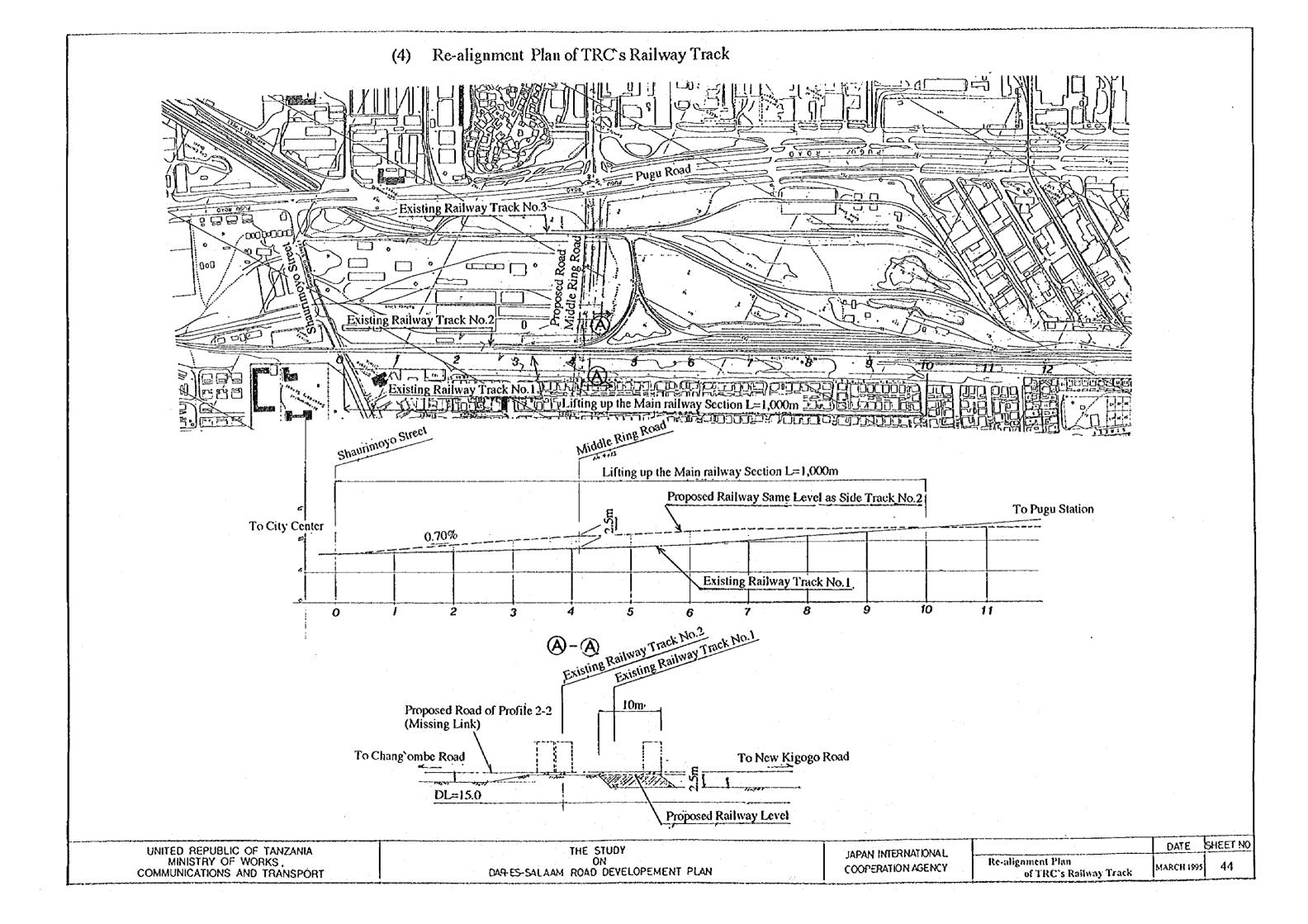


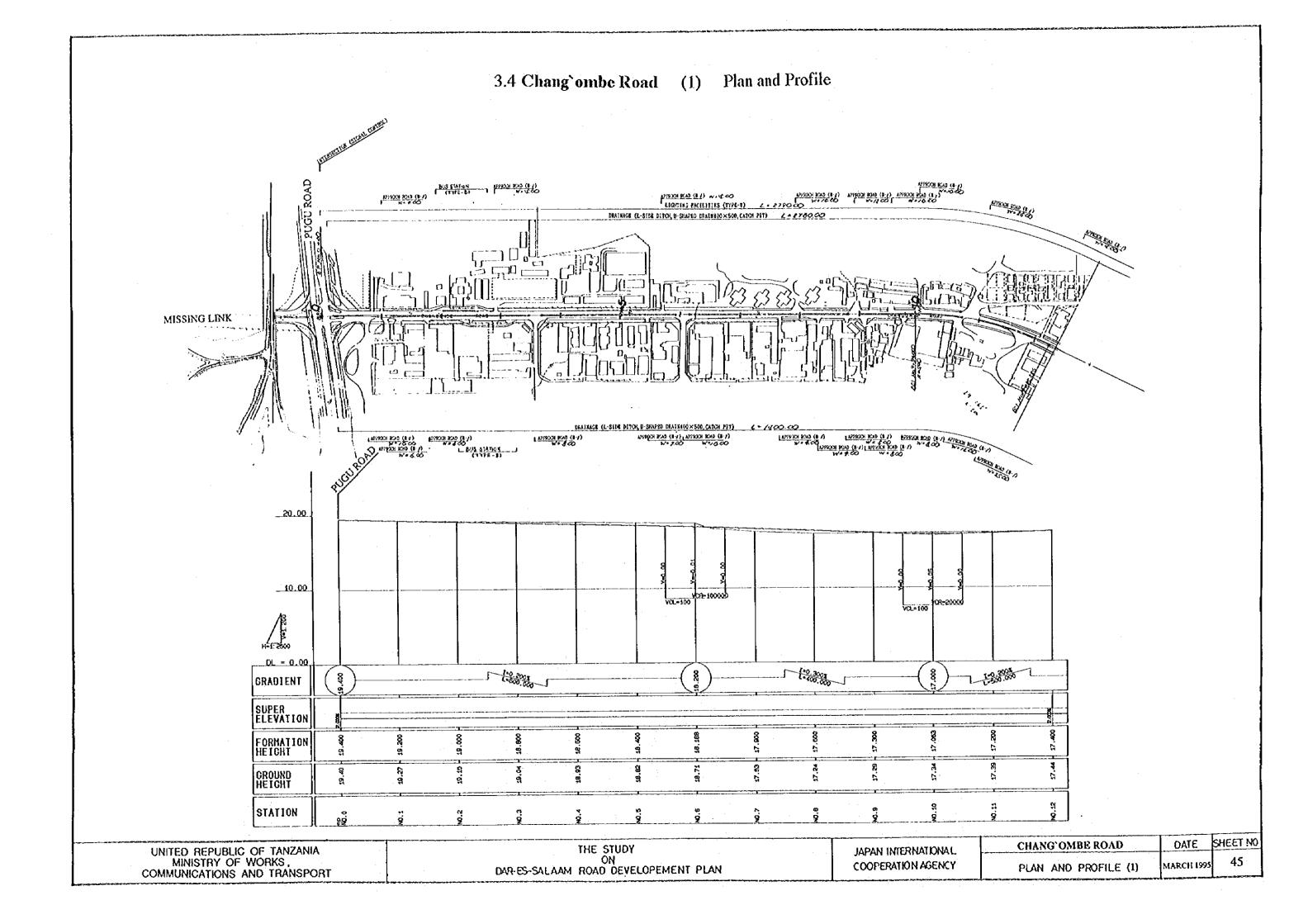


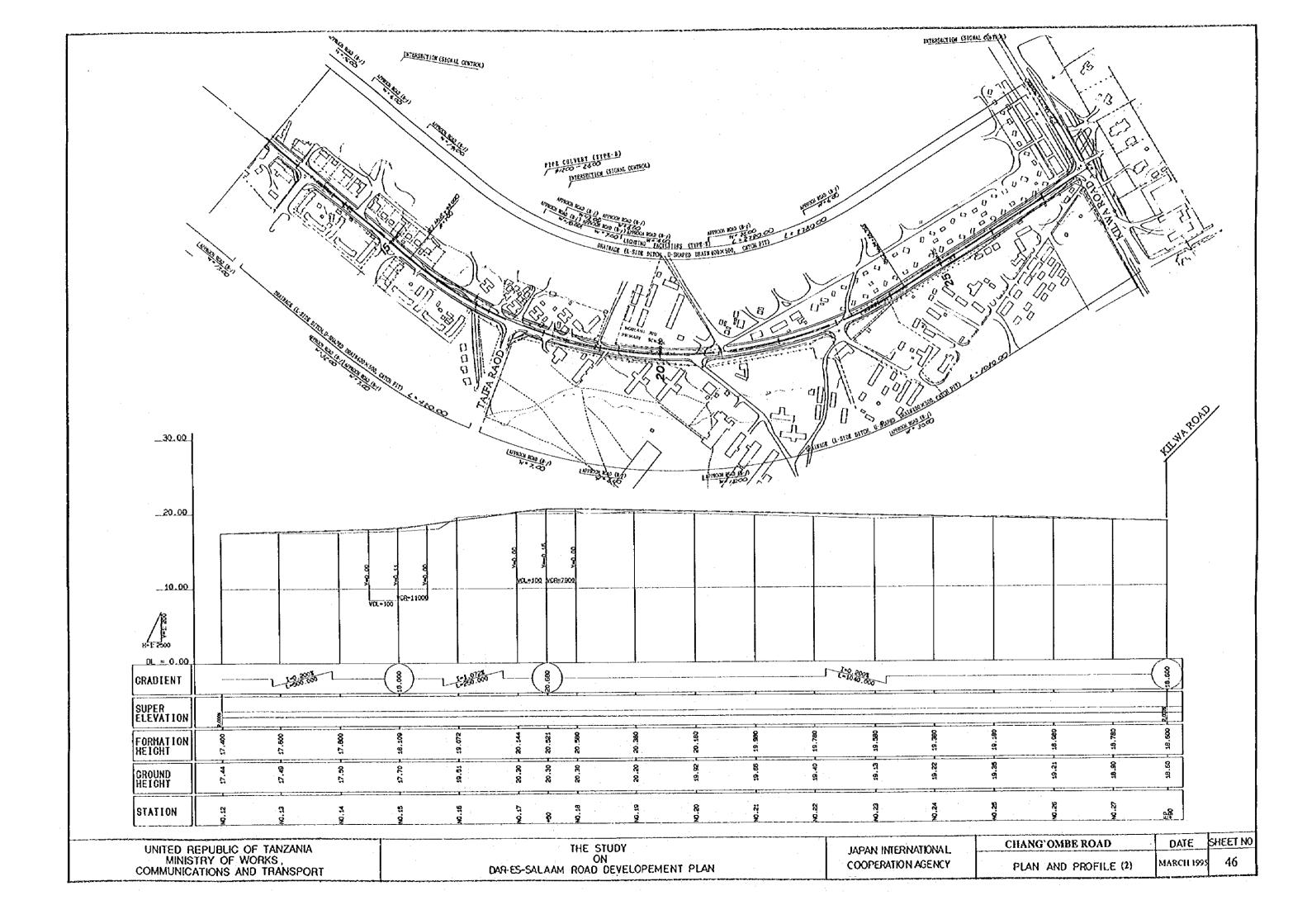
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ON
DAR-ES-SALAAM ROAD DEVELOPEMENT PLAN

JAPAN INTERNATIONAL
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CROSS SECTION (2)
MARCH 1995

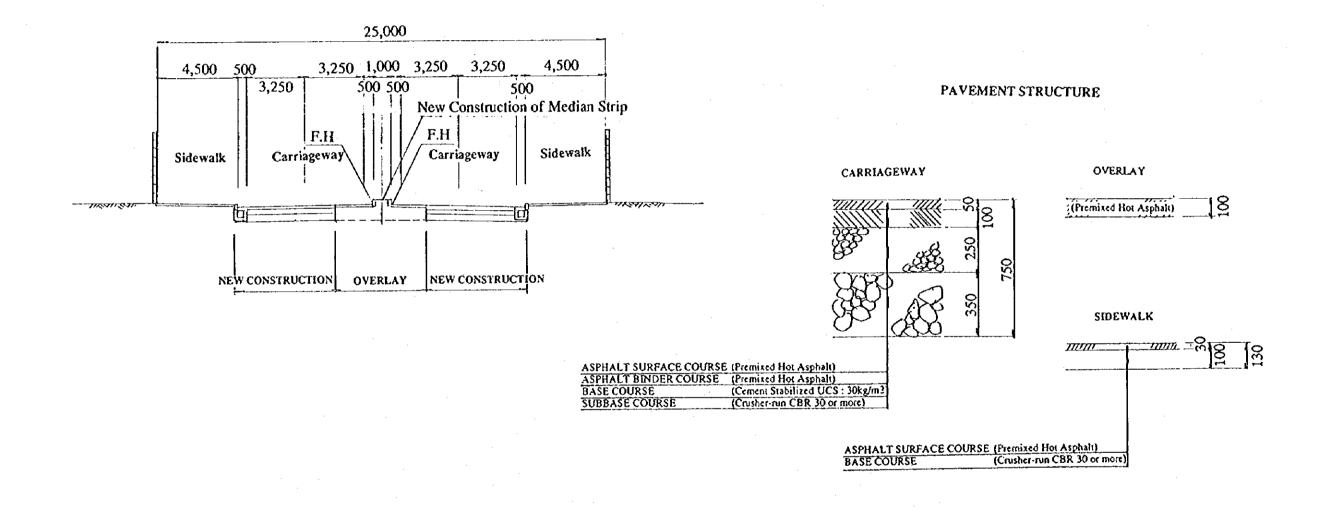
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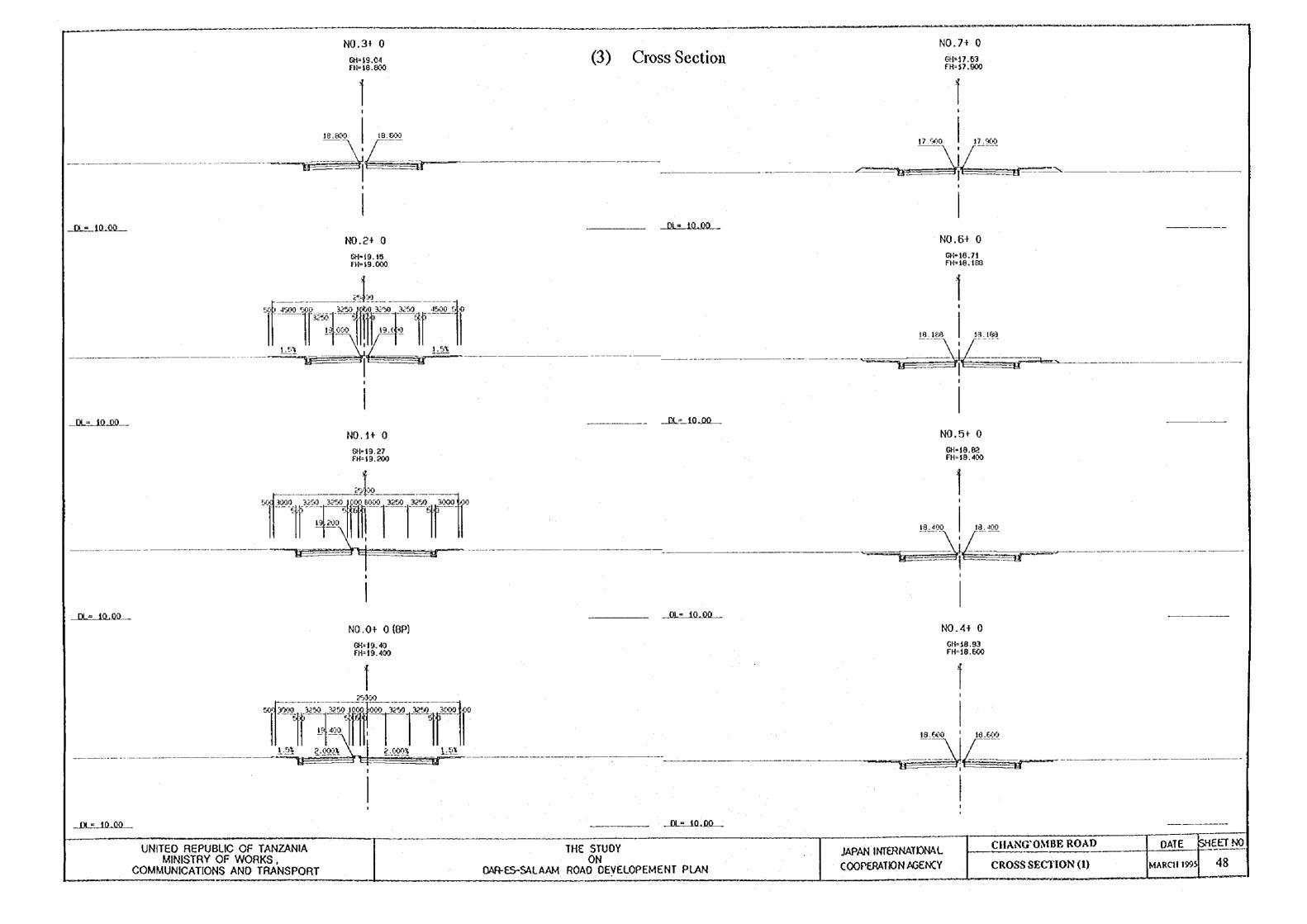


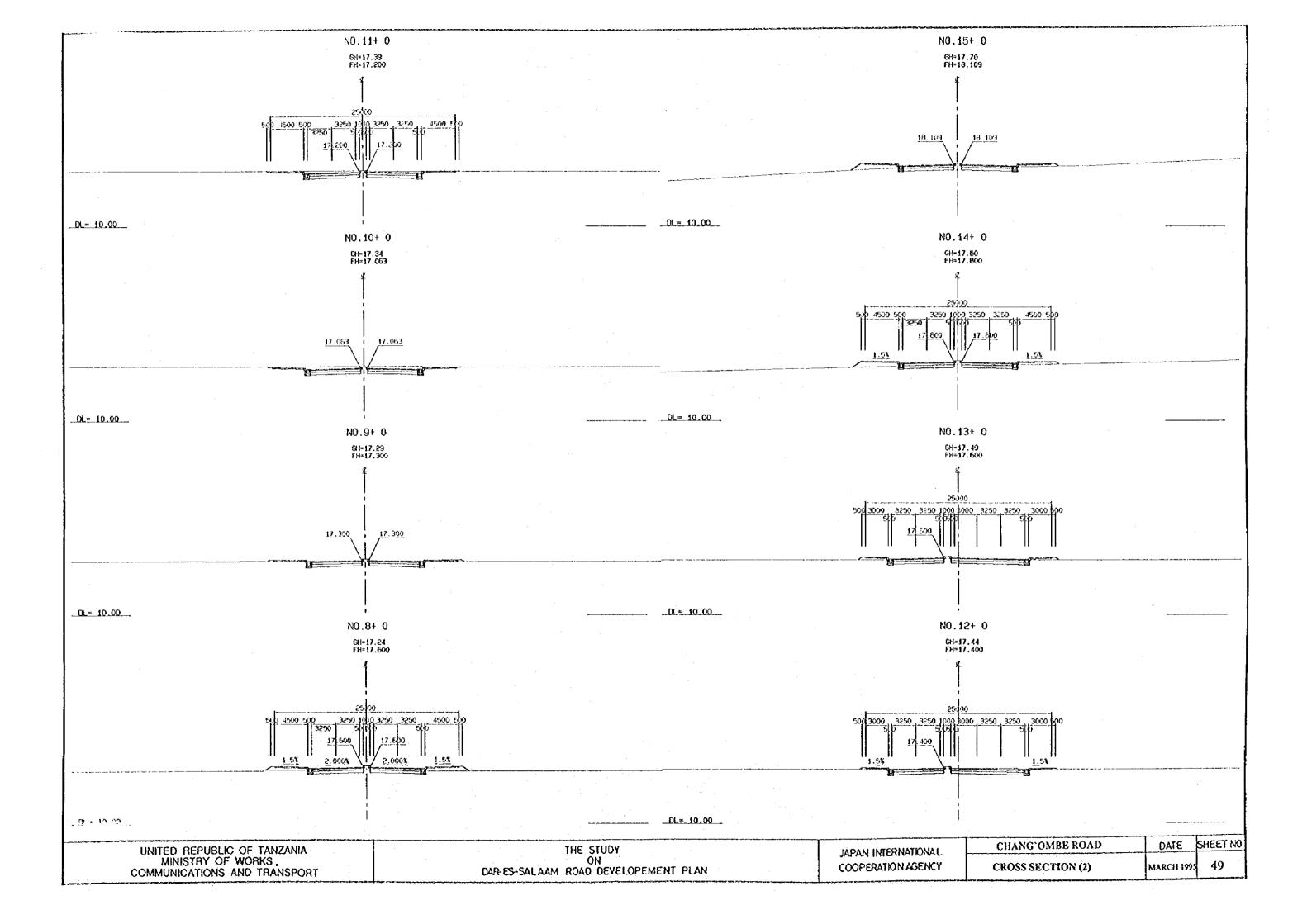


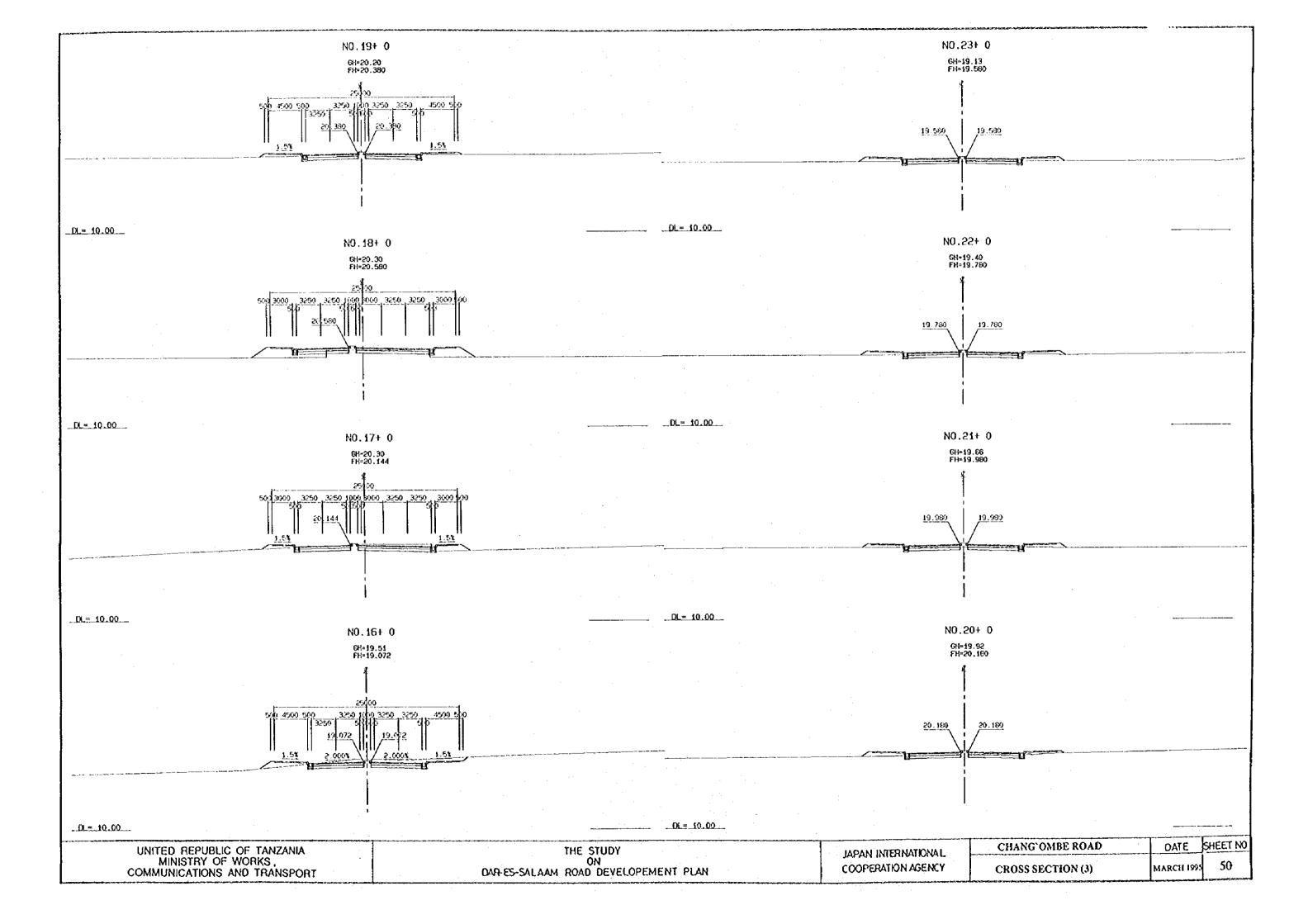


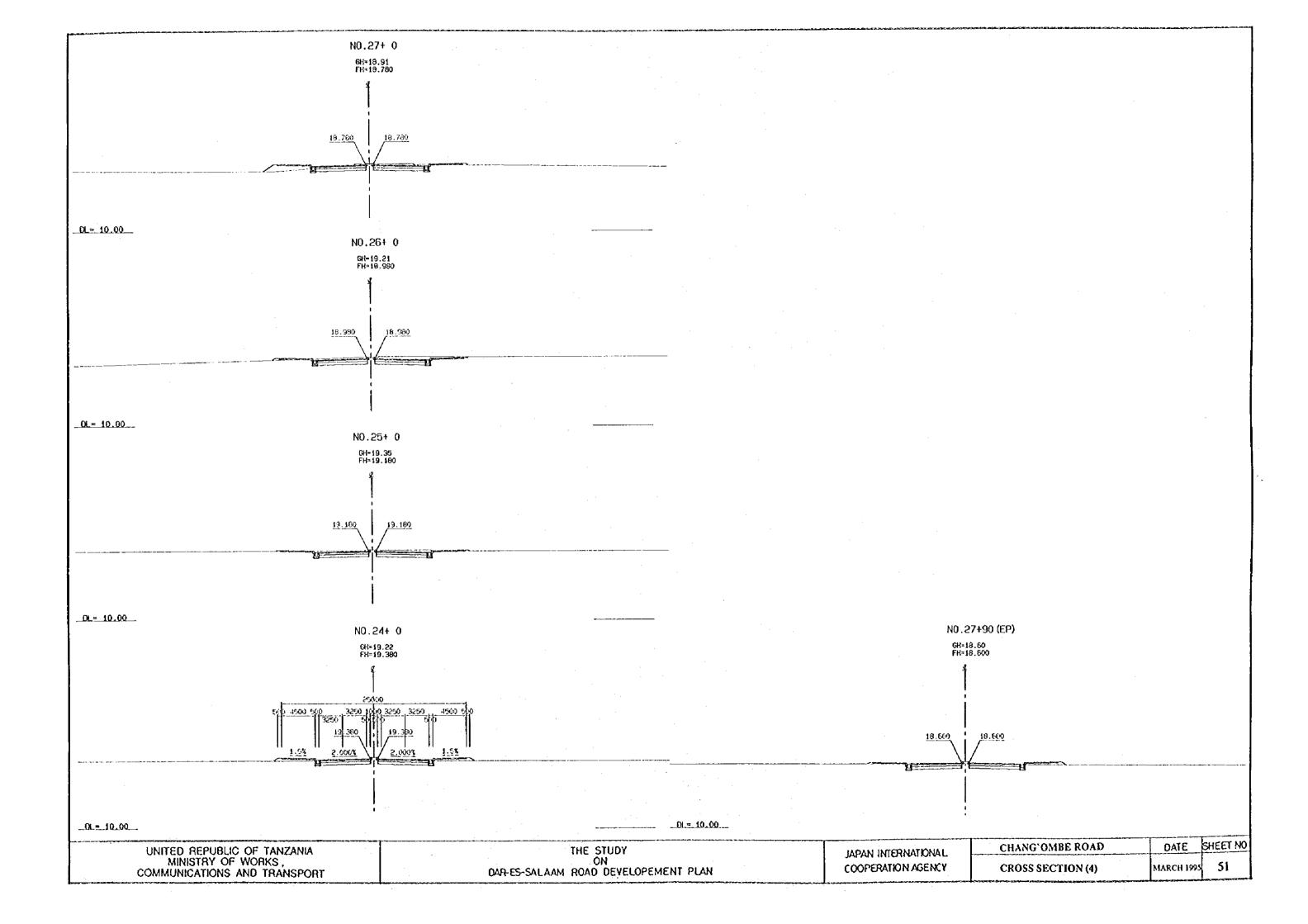
### (2) Typical Cross Section of Chang'ombe Road

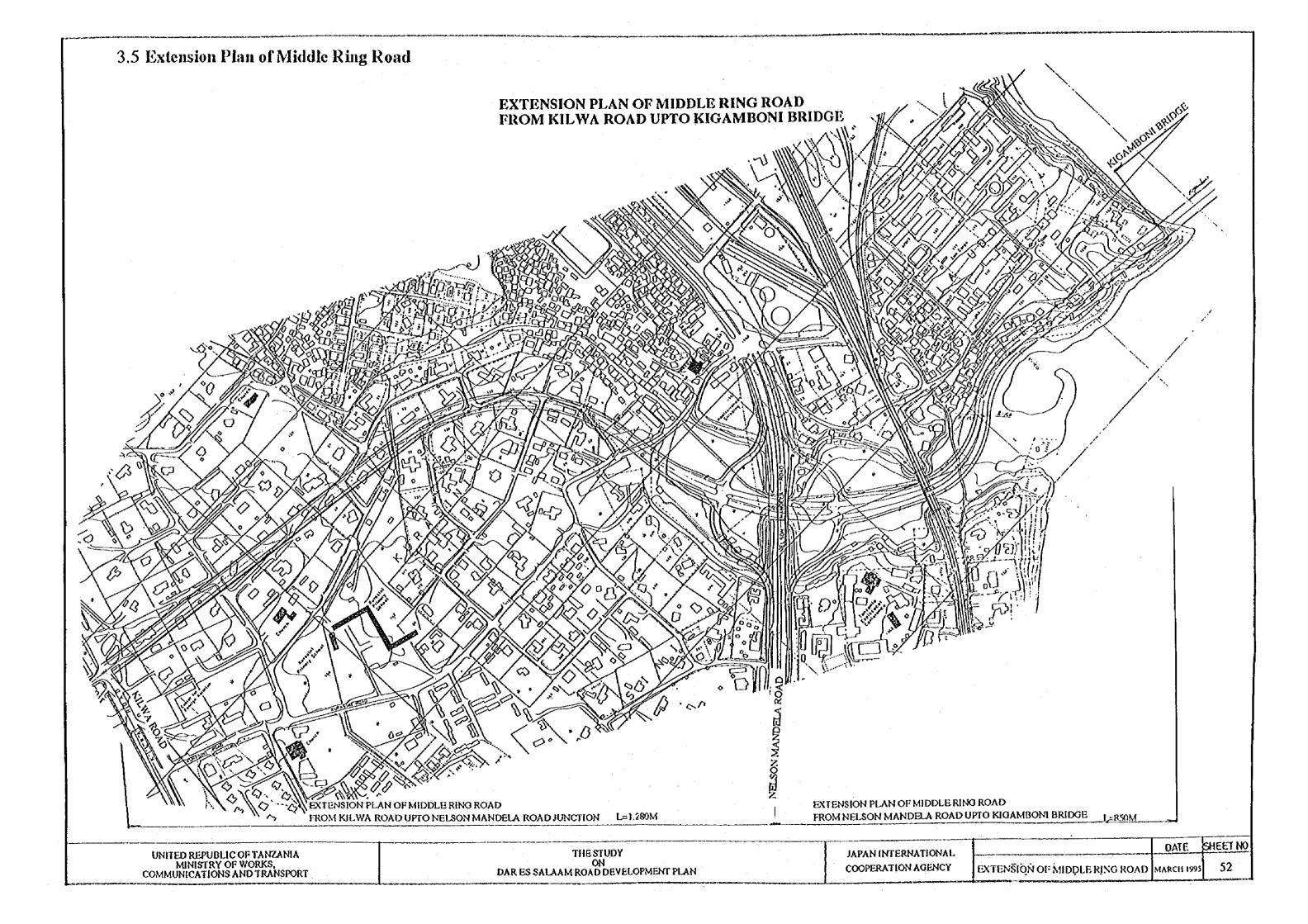


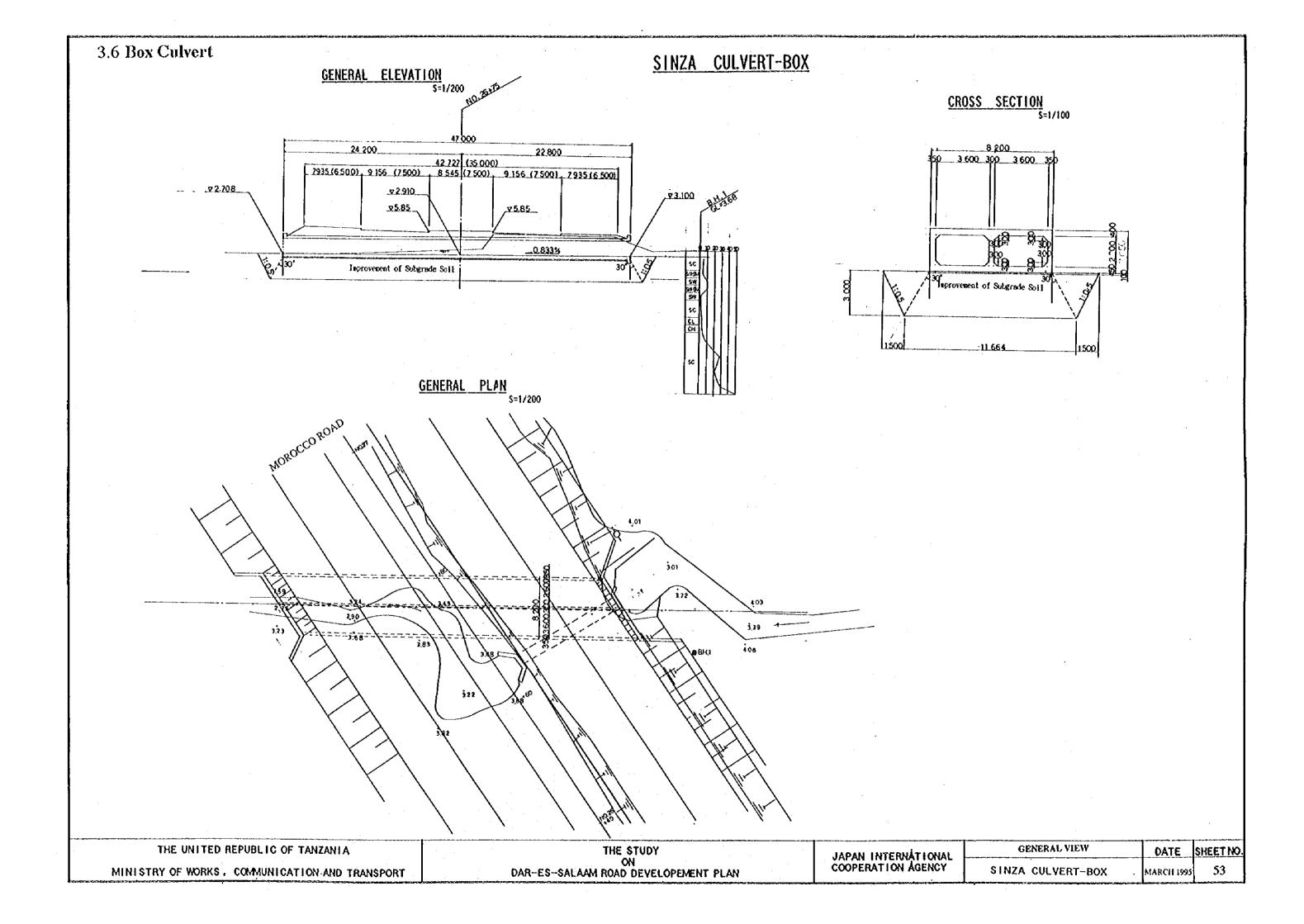






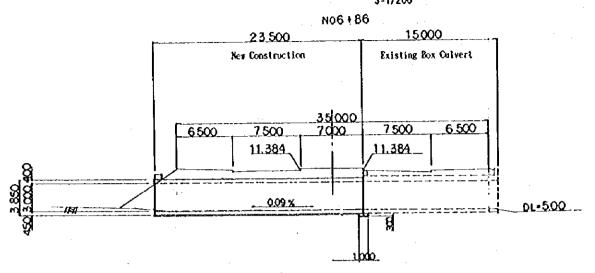




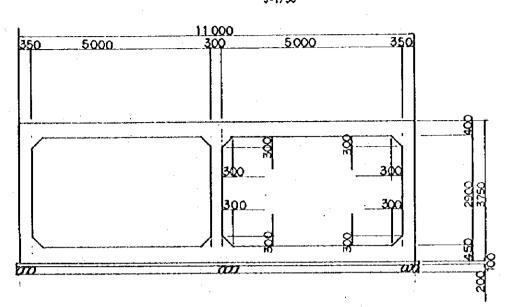


### FIRST UBUNGO CULVERT-BOX

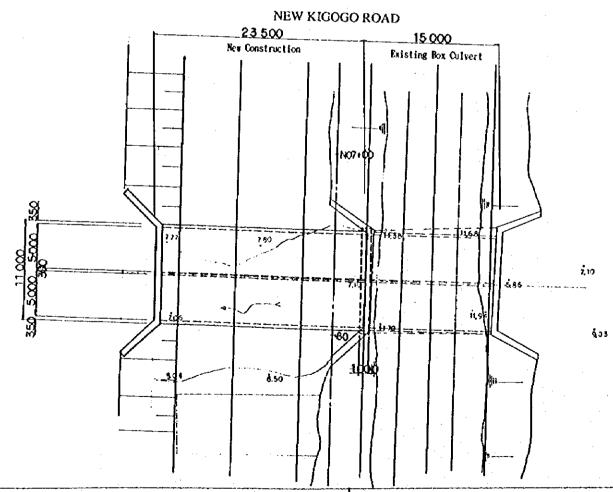
#### GENERAL ELEVATION S=1/200



# CROSS SECTION S=1/50



### GENERAL PLAN



THE UNITED REPUBLIC OF TANZANIA

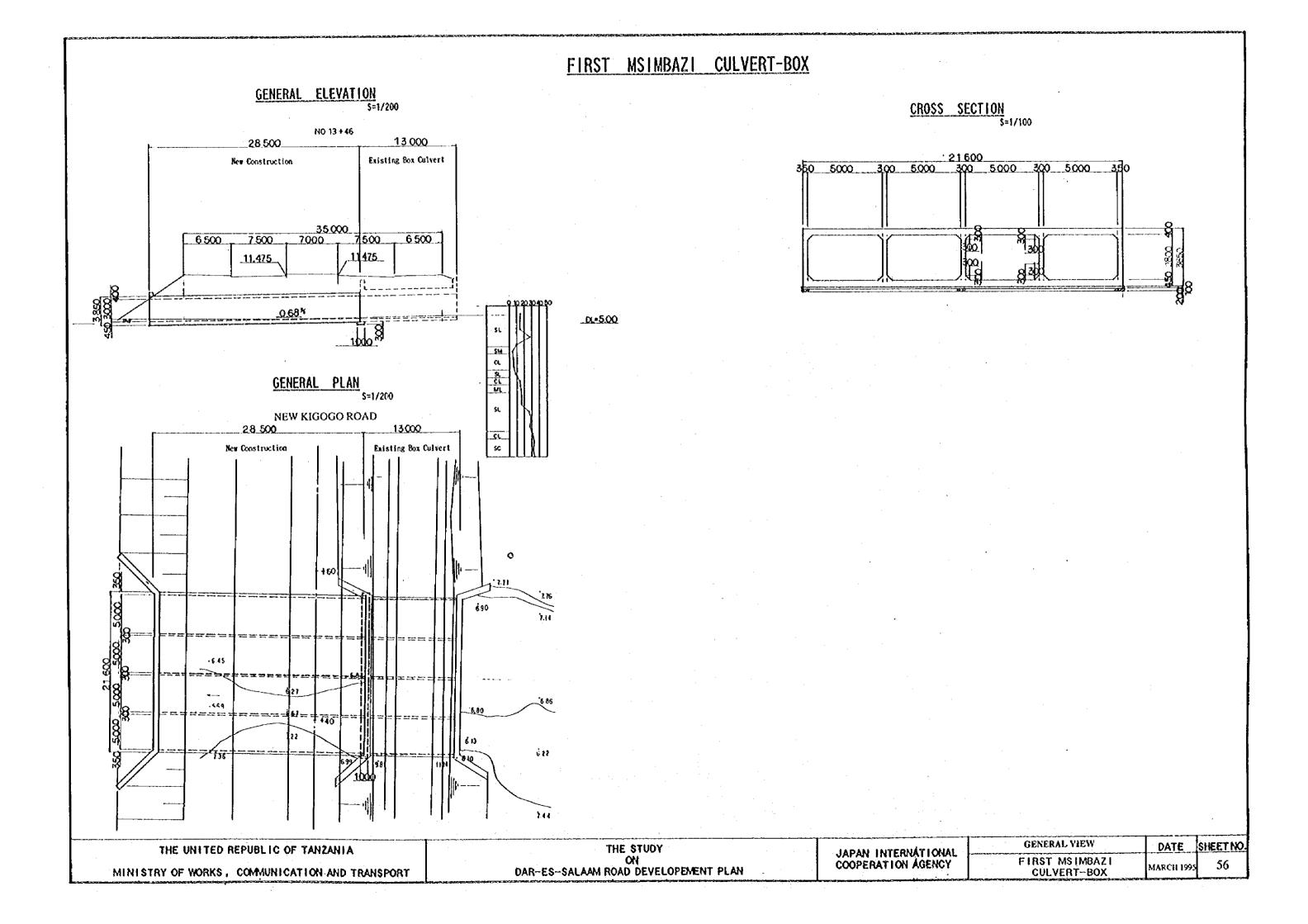
MINISTRY OF WORKS. COMMUNICATION AND TRANSPORT

THE STUDY			
ON			
DAR-ES-SALAAM ROAD DEVELOPEMENT PLAN			

COOPERALITOR MUCHOI		JAPAN INTERNÁTIONAL COOPERATION ÁGENCY
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GENERAL VIEW	DATE	SHEET NO.
FIRST UBUNGO CULVERT-BOX	MARCH 1995	54

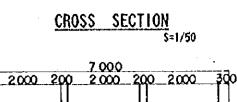
### SECOND UBUNGO CULVERT-BOX CROSS SECTION GENERAL ELEVATION \$=1/200 11 000 5000 300 No8 • 75 5,000 19 000 24000 New Construction Existing Box Culvert 8 30 35 000 7000\_\_ 7 500 7 500 6 500 6.500 11.100 11,100, DL: 5.0Q GENERAL PLAN NEW KIGOGO ROAD 24 000 19 000 Existing Box Culvert New Construction 6 99 €8H.1 GENERAL VIEW DATE SHEET NO. THE STUDY ON DAR-ES-SALAAM ROAD DEVELOPEMENT PLAN THE UNITED REPUBLIC OF TANZANIA JAPAN INTERNATIONAL COOPERATION AGENCY SECOND UBUNGO CULVERT-BOX 55 MARCH 1995 MINISTRY OF WORKS. COMMUNICATION AND TRANSPORT

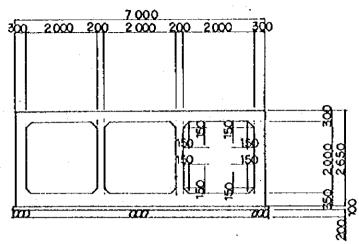




### GENERAL ELEVATION S=1/200 NO14+60 10.500\_\_\_ 30,000 Existing Box Culvert New Construction 35000 7000 7500 6 500 7 500 6500

10.70





10.703

GENERAL PLAN S=1/200 10 500 Existing 30000 New Construction Box Culvert 734

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THE STUDY	
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DAR-ES-SALAAM ROAD DEVELOPEMENT	PLAN
DIGIT CO OLICIATION PROPERTY CONTROL	

GENERAL VIEW	DATE	SHEET NO.
SECOND MS1M8AZ1	MARCH 1995	57