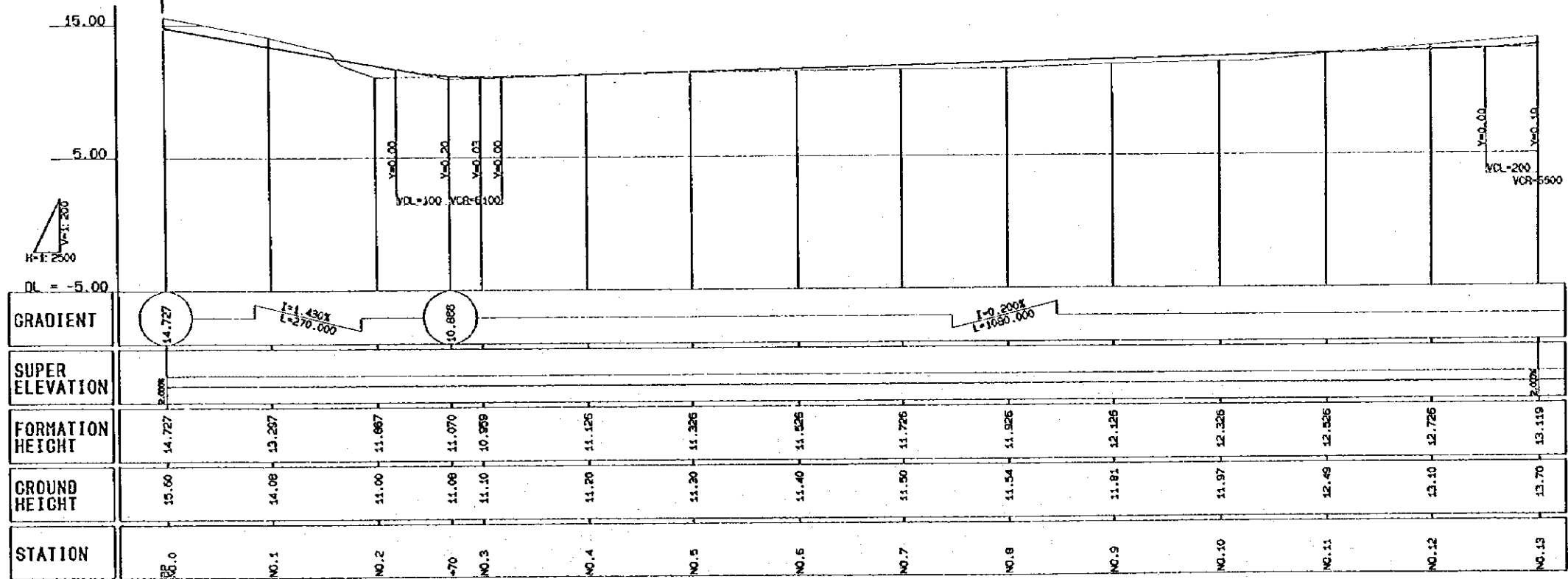
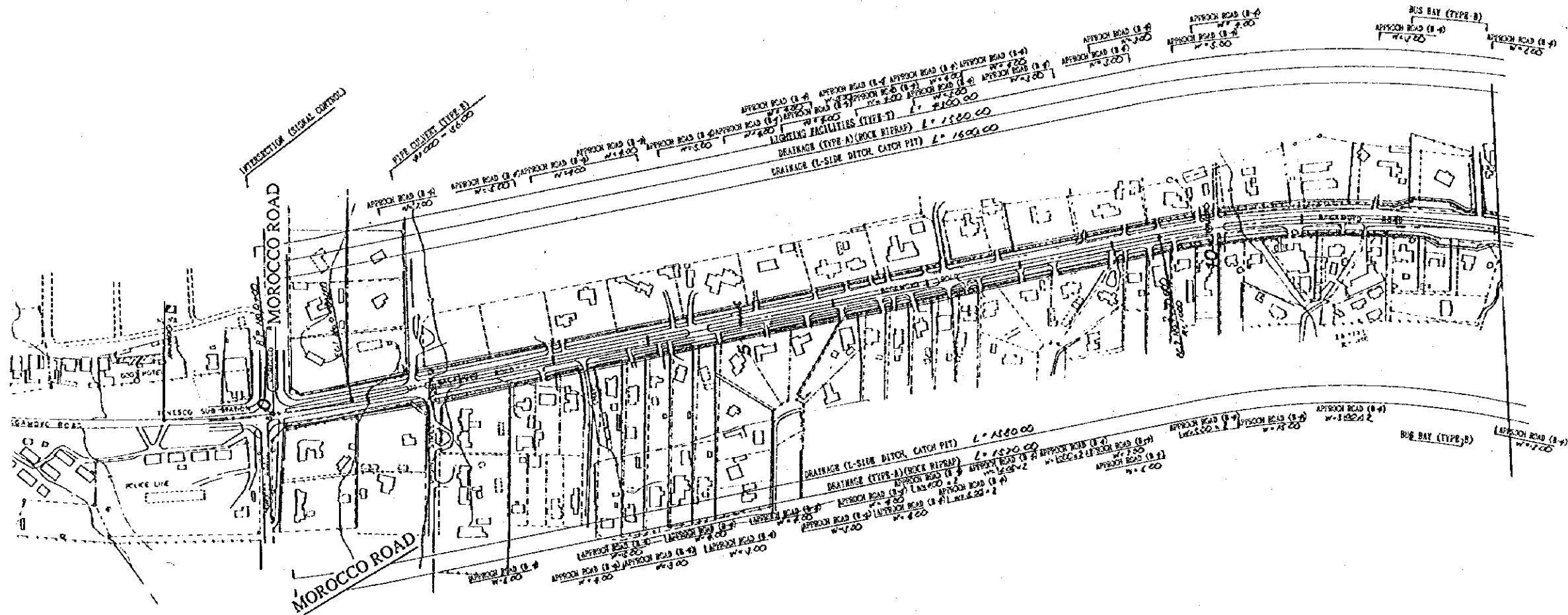
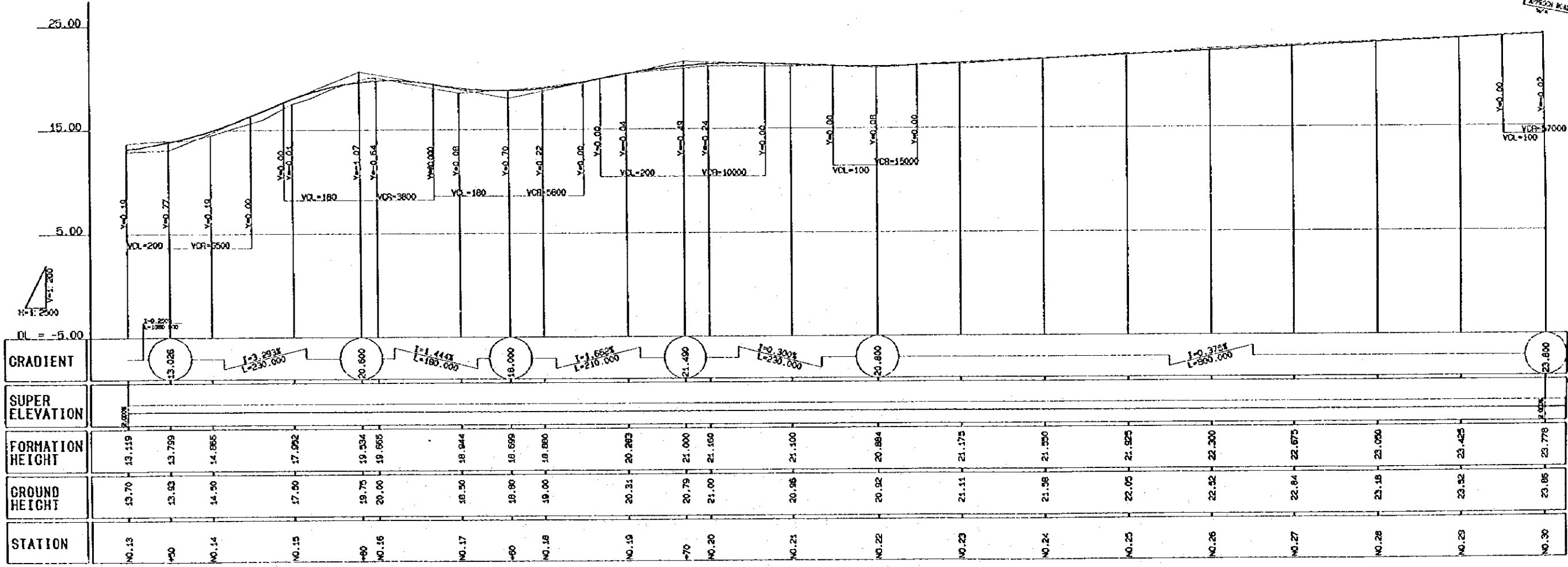
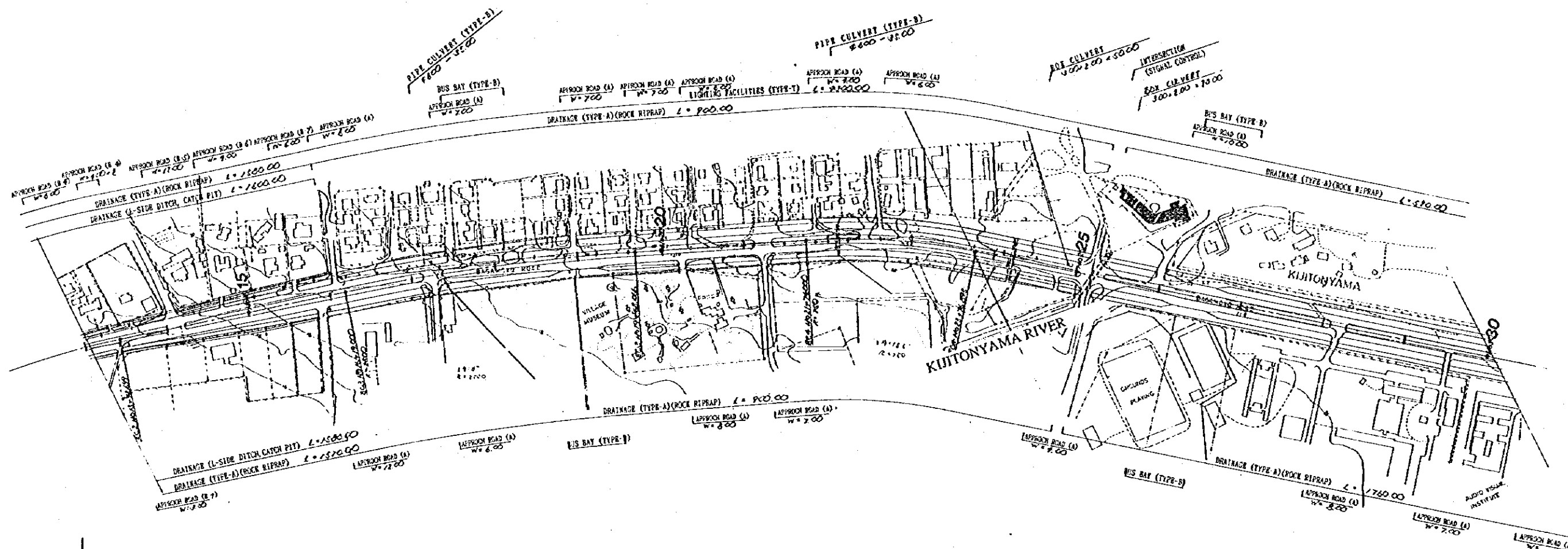


4. Package 3
: Widening of Radial Trunk Road
4.1 New Bagamoyo Road (1) Plan and Profile





STATION	GRADIENT	SUPER ELEVATION	FORMATION HEIGHT	GROUND HEIGHT
0+00	13.026		13.119	13.70
0+20	1-3.293% L=230.000		13.759	13.93
0+40			14.865	14.30
0+60			17.092	17.80
0+80			19.334	19.75
1+00			19.895	20.00
1+20			18.944	18.30
1+40			18.689	18.80
1+60			18.880	19.00
1+80			20.283	20.31
2+00			21.000	20.75
2+20			21.100	21.00
2+40			21.100	20.98
2+60			20.884	20.92
2+80			21.175	21.11
3+00			21.990	21.98
3+20			21.925	22.05
3+40			22.300	22.92
3+60			22.675	22.84
3+80			23.050	23.18
4+00			23.425	23.92
4+20			23.779	23.85

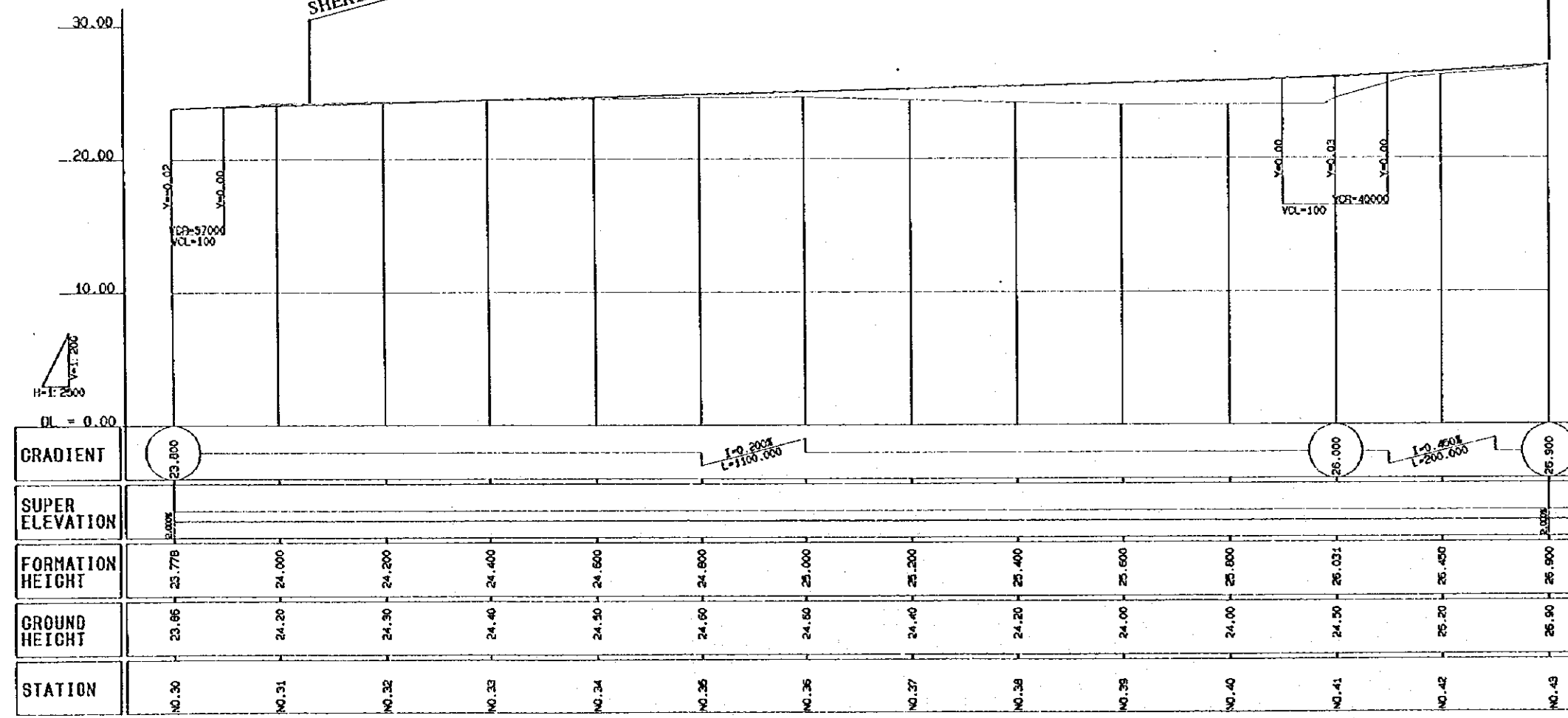
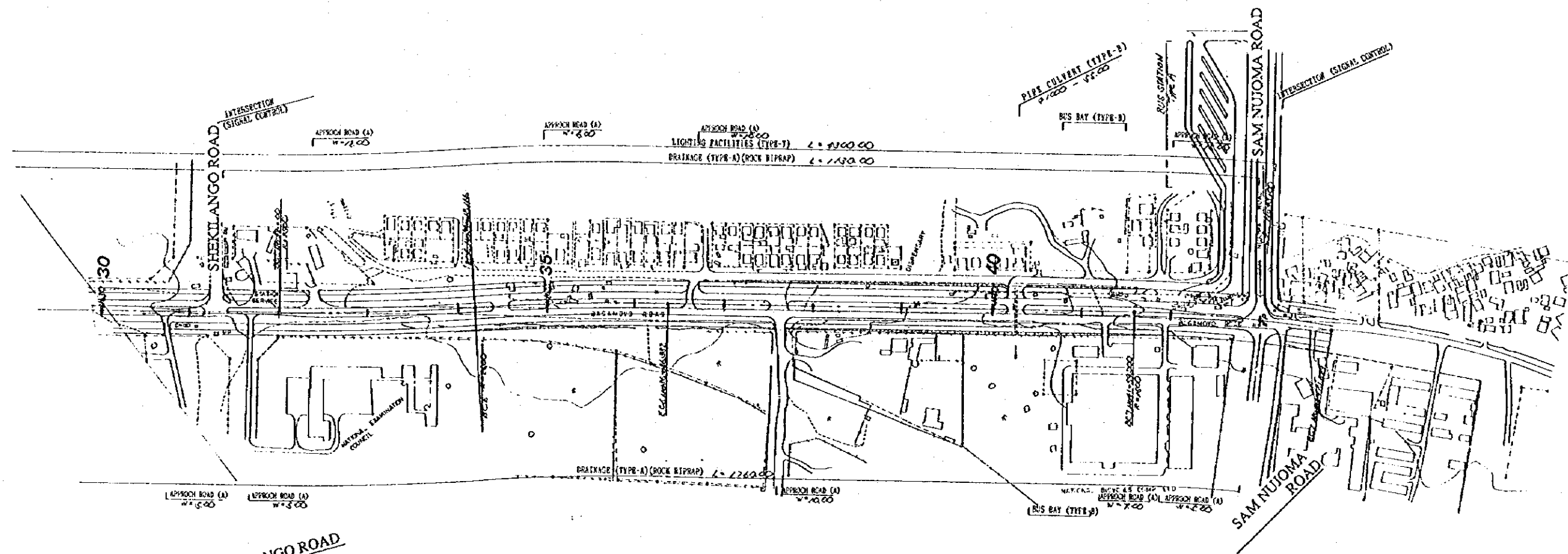
UNITED REPUBLIC OF TANZANIA
MINISTRY OF WORKS,
COMMUNICATIONS AND TRANSPORT

THE STUDY
ON
DAR-ES-SALAAM ROAD DEVELOPEMENT PLAN

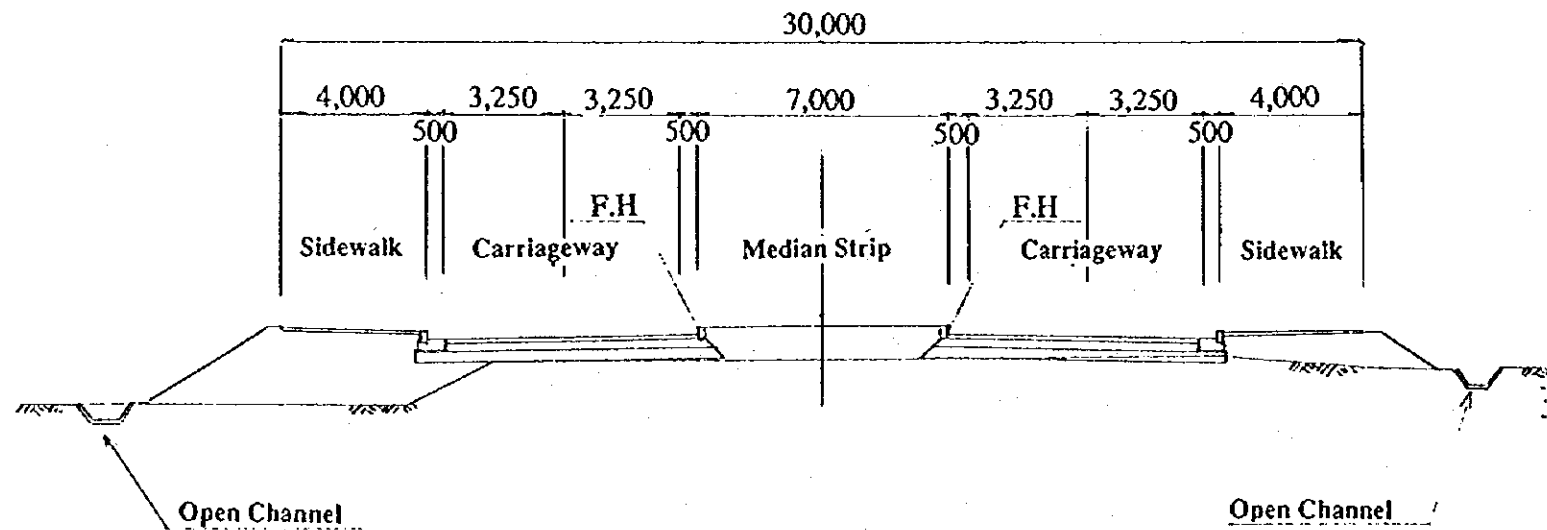
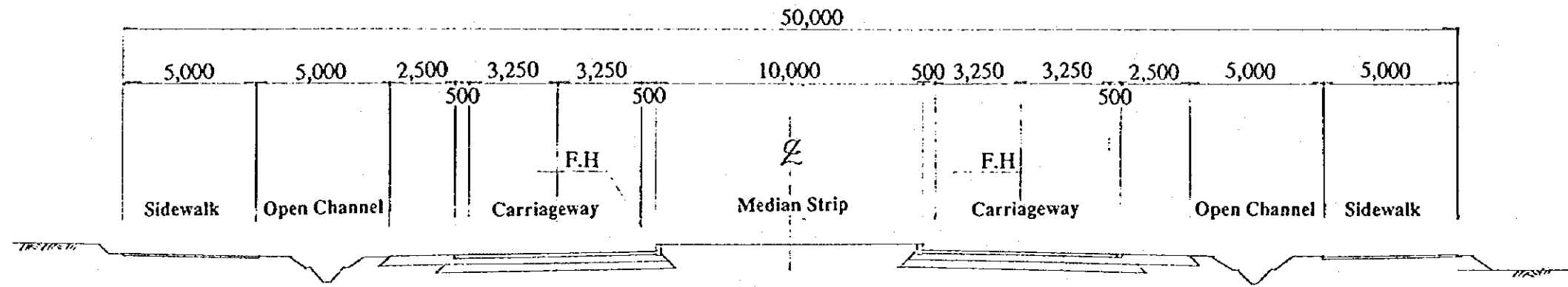
JAPAN INTERNATIONAL
COOPERATION AGENCY

NEW BAGAMOYO ROAD
PLAN AND PROFILE (2)

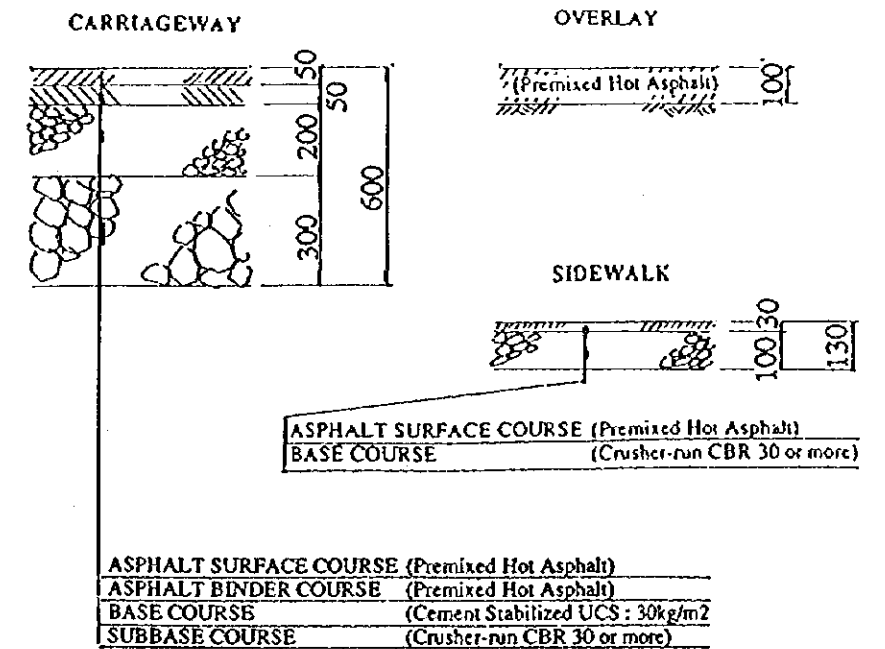
DATE SHEET NO
MARCH 1995 59



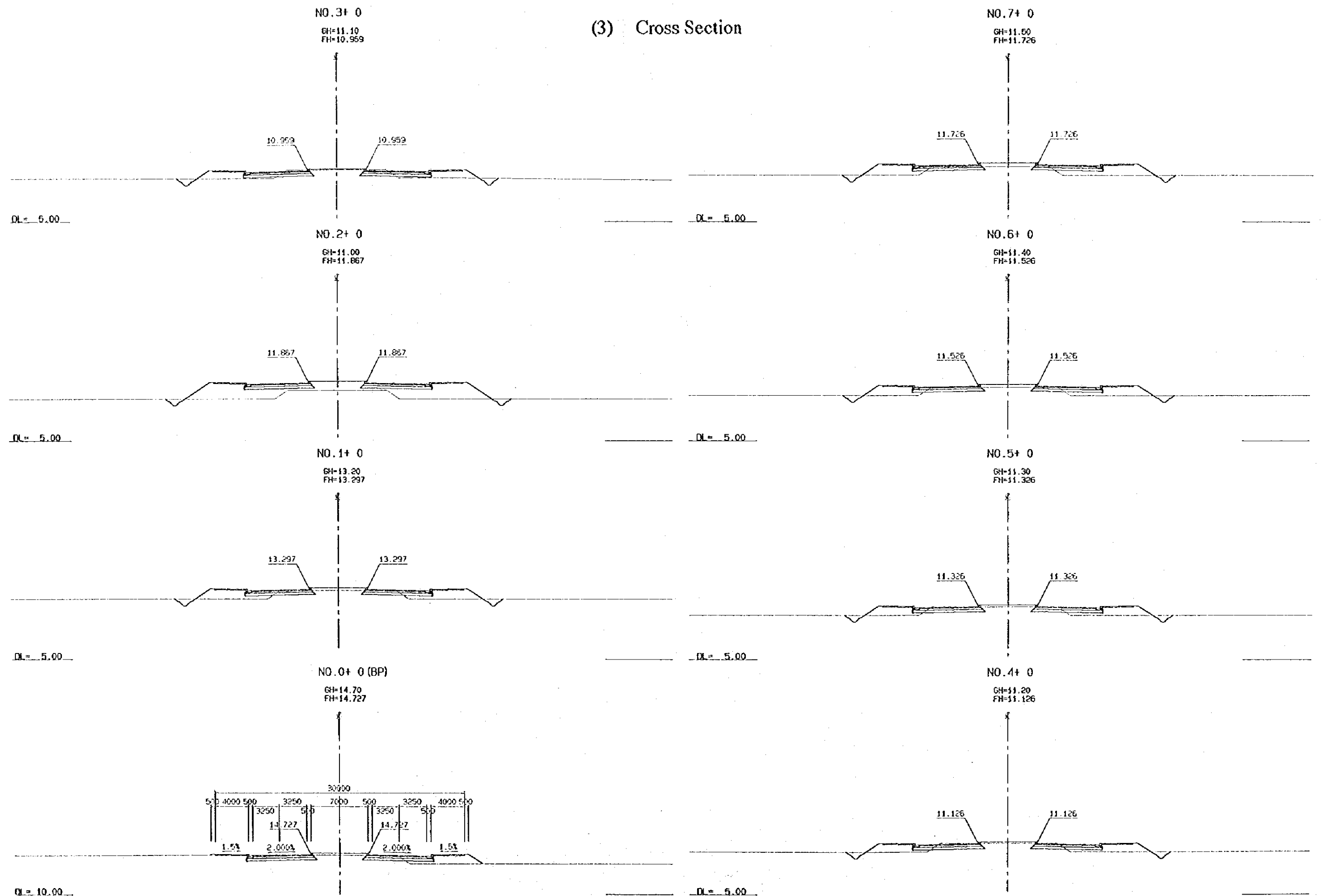
(2) Typical Cross Section of New Bagamoyo Road



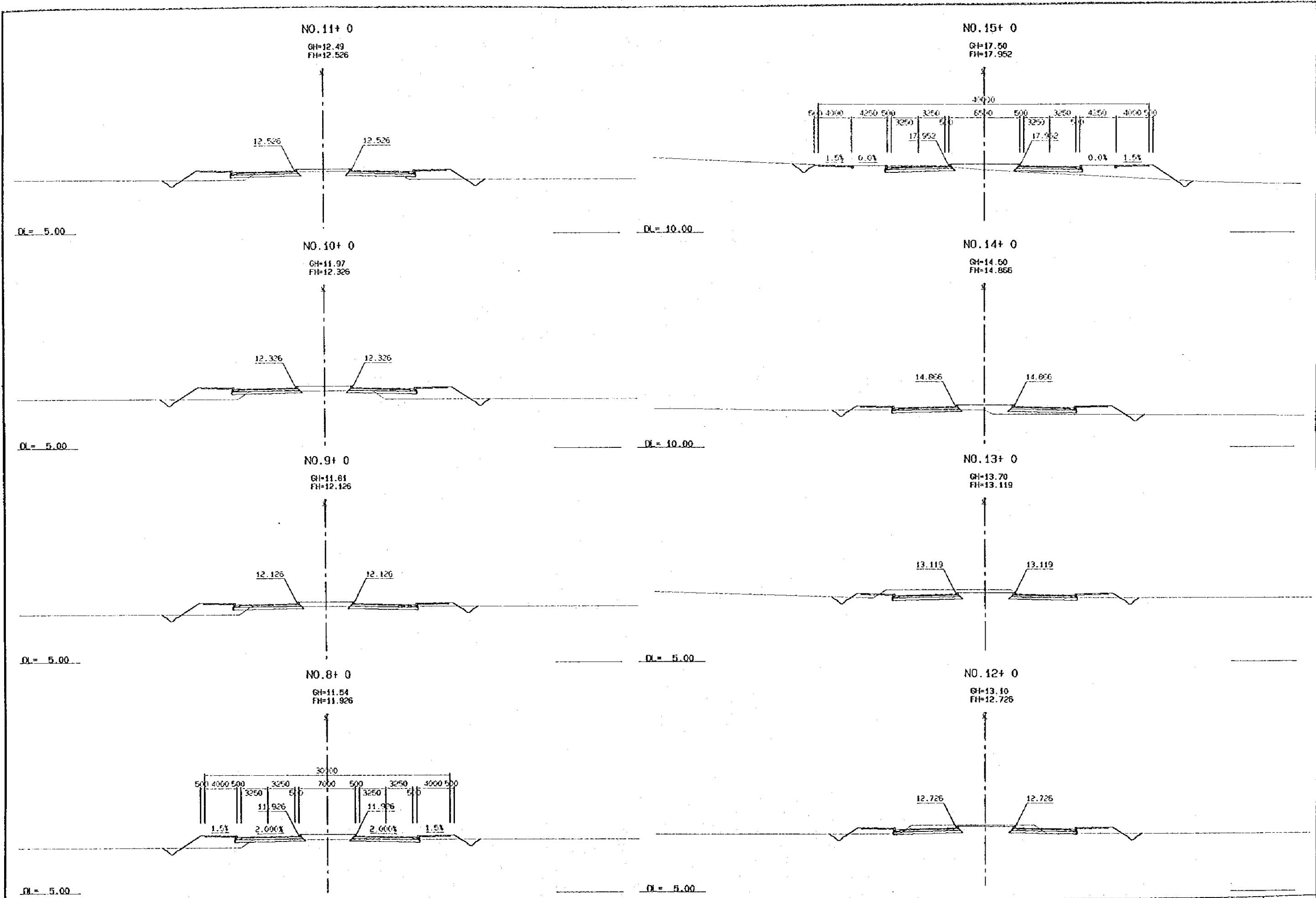
PAVEMENT STRUCTURE



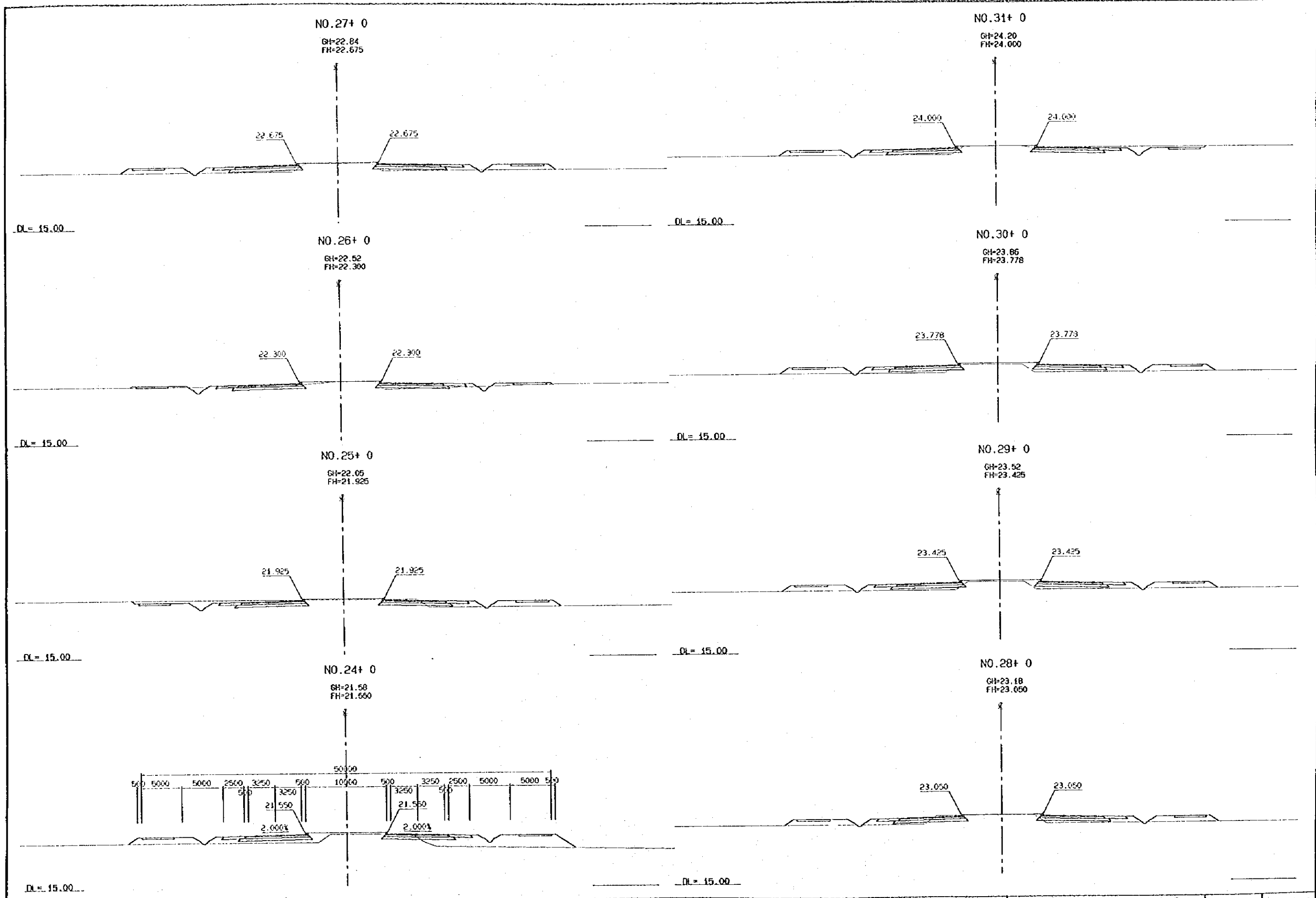
(3) Cross Section



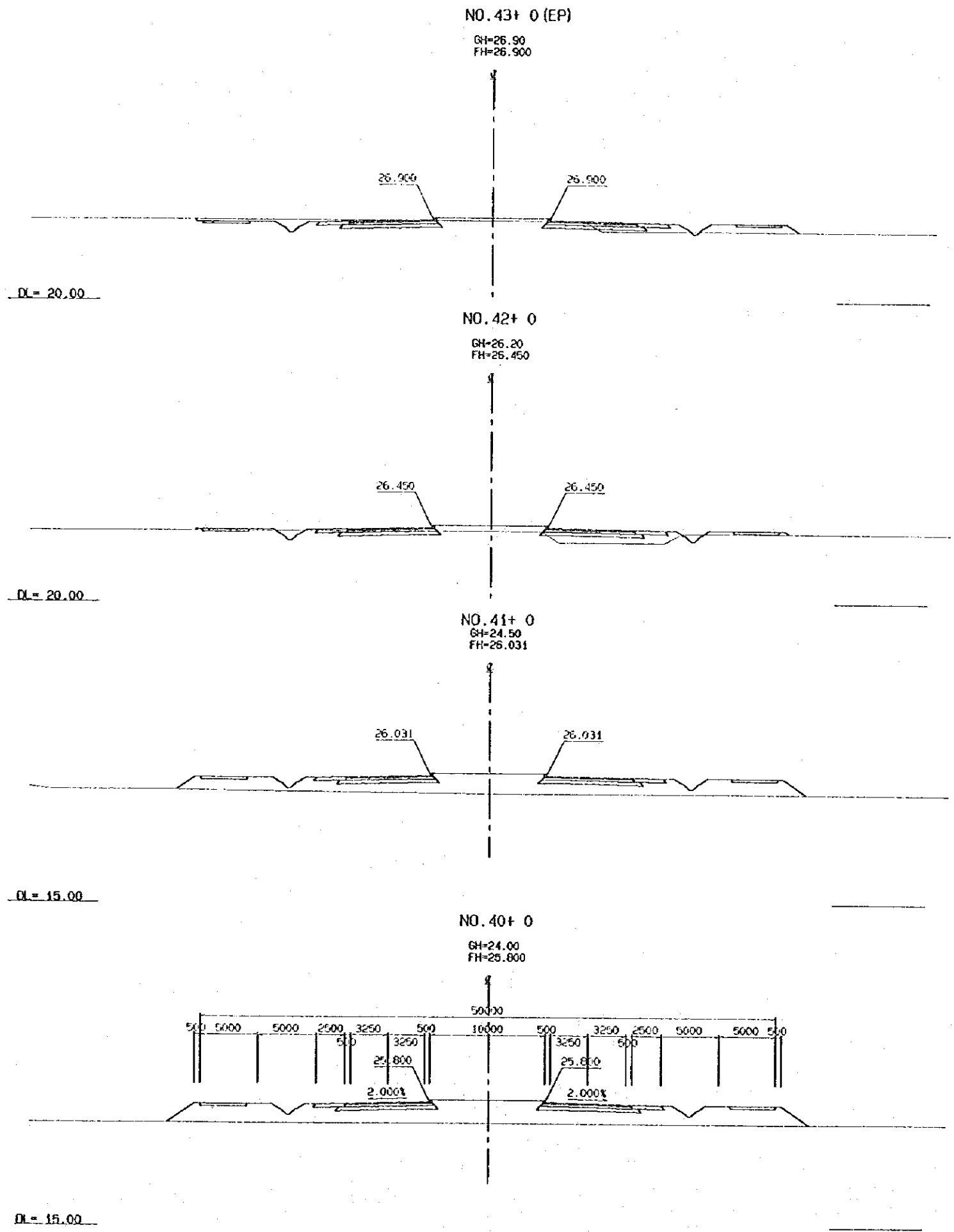
UNITED REPUBLIC OF TANZANIA MINISTRY OF WORKS, COMMUNICATIONS AND TRANSPORT	THE STUDY ON DAR-ES-SALAAM ROAD DEVELOPEMENT PLAN	JAPAN INTERNATIONAL COOPERATION AGENCY	NEW BAGAMOYO ROAD CROSS SECTION (I)	DATE MARCH 1995	SHEET NO 62
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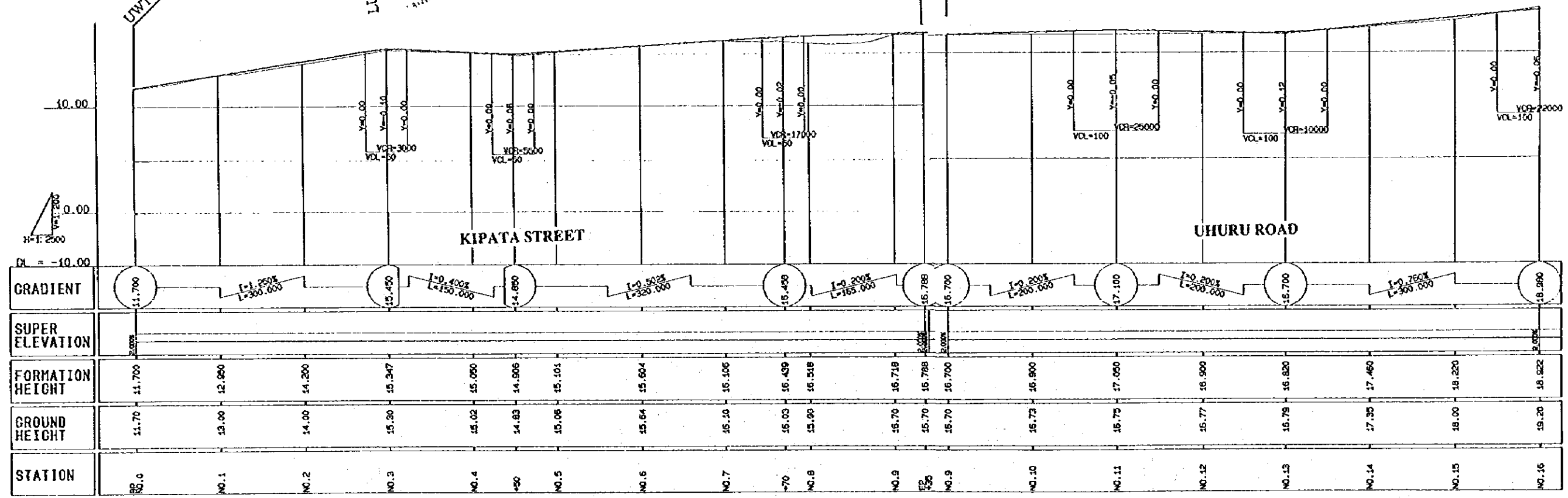
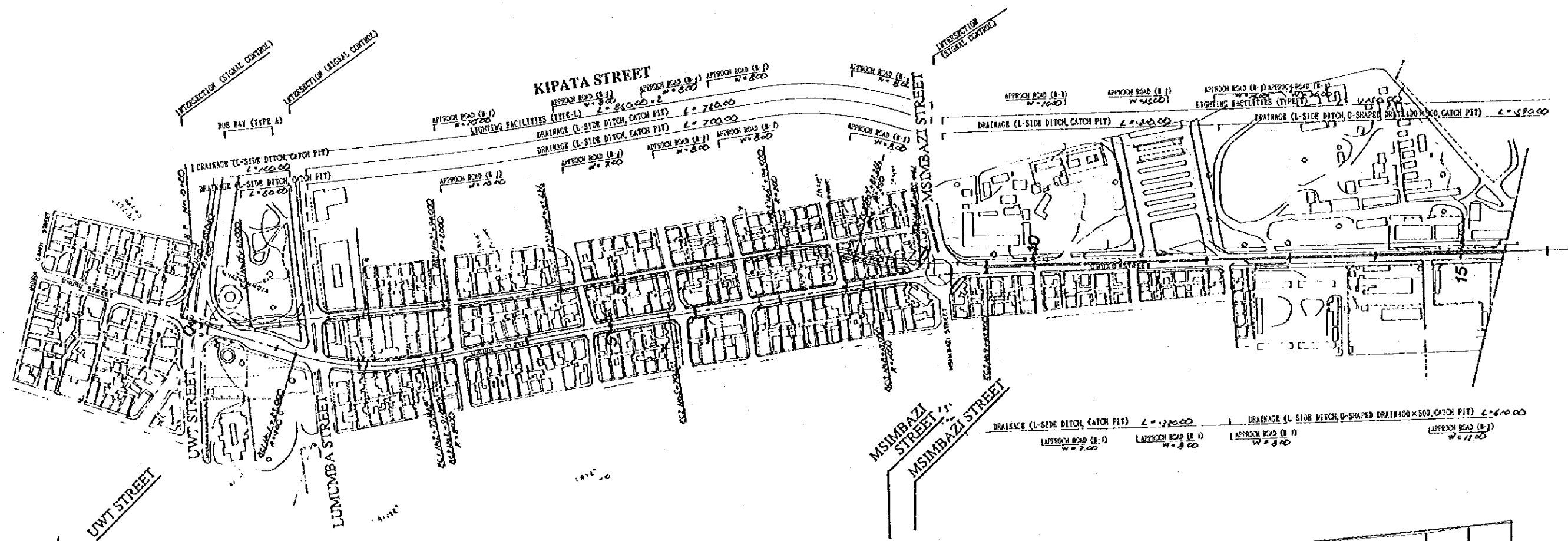
UNITED REPUBLIC OF TANZANIA MINISTRY OF WORKS, COMMUNICATIONS AND TRANSPORT	THE STUDY ON DAR-ES-SALAAM ROAD DEVELOPEMENT PLAN	JAPAN INTERNATIONAL COOPERATION AGENCY	NEW BAGAMOYO ROAD CROSS SECTION (2)	DATE MARCH 1995	SHEET NO 63
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UNITED REPUBLIC OF TANZANIA MINISTRY OF WORKS COMMUNICATIONS AND TRANSPORT	THE STUDY ON DAR-ES-SALAAM ROAD DEVELOPEMENT PLAN	JAPAN INTERNATIONAL COOPERATION AGENCY	NEW BAGAMOYO ROAD CROSS SECTION (4)	DATE MARCH 1995	SHEET NO 65
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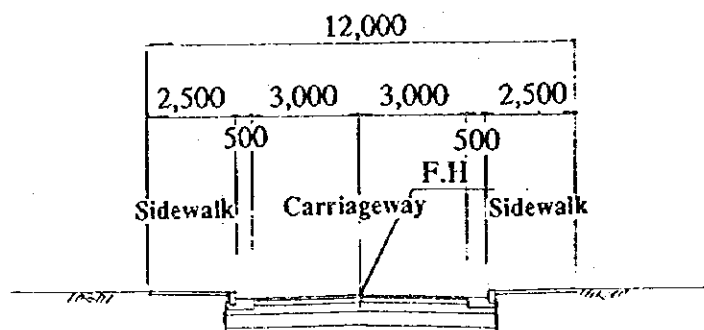


4.2 Uhuru Road (1) Plan and Profile



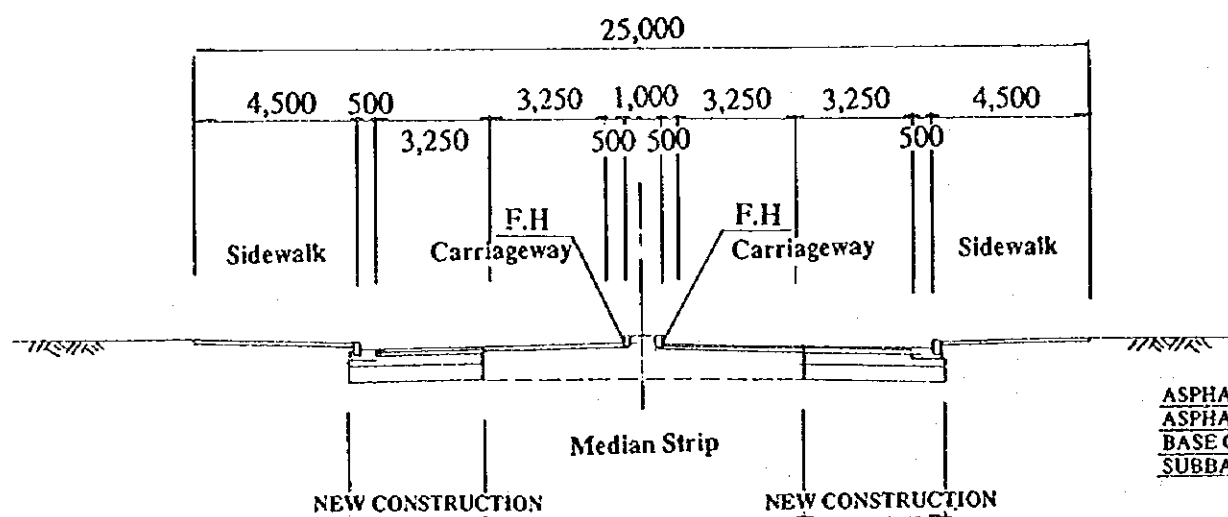
(2) Typical Cross Section of Uhuru Road

Kipata Street

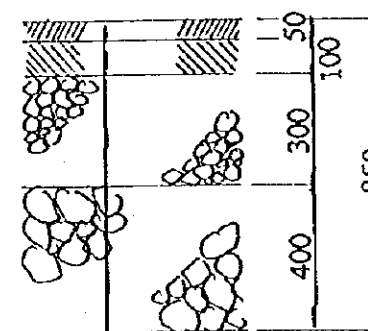


PAVEMENT STRUCTURE

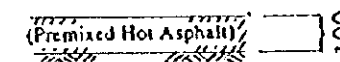
Uhuru Road



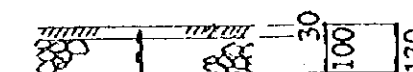
CARRIAGEWAY



OVERLAY



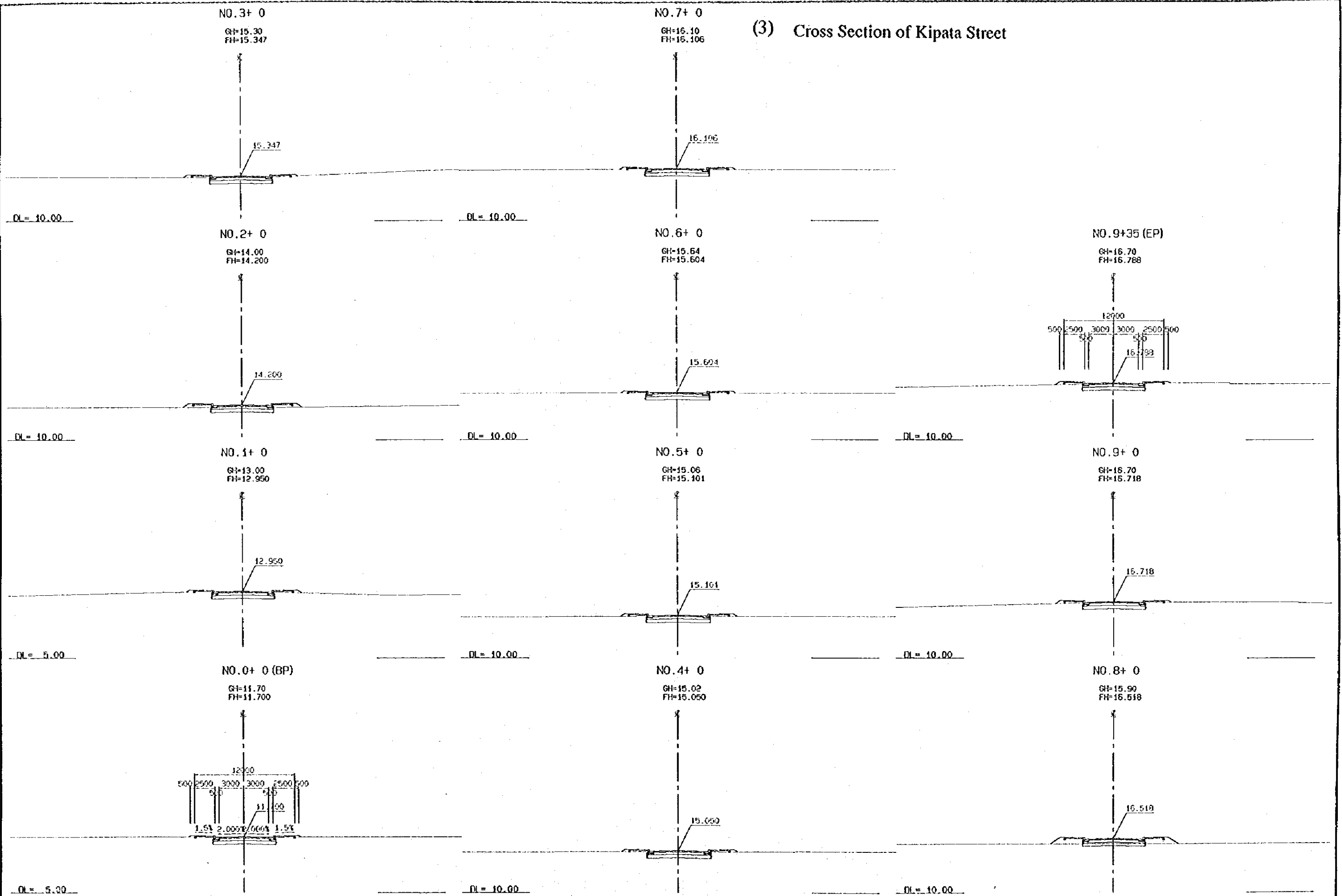
SIDEWALK



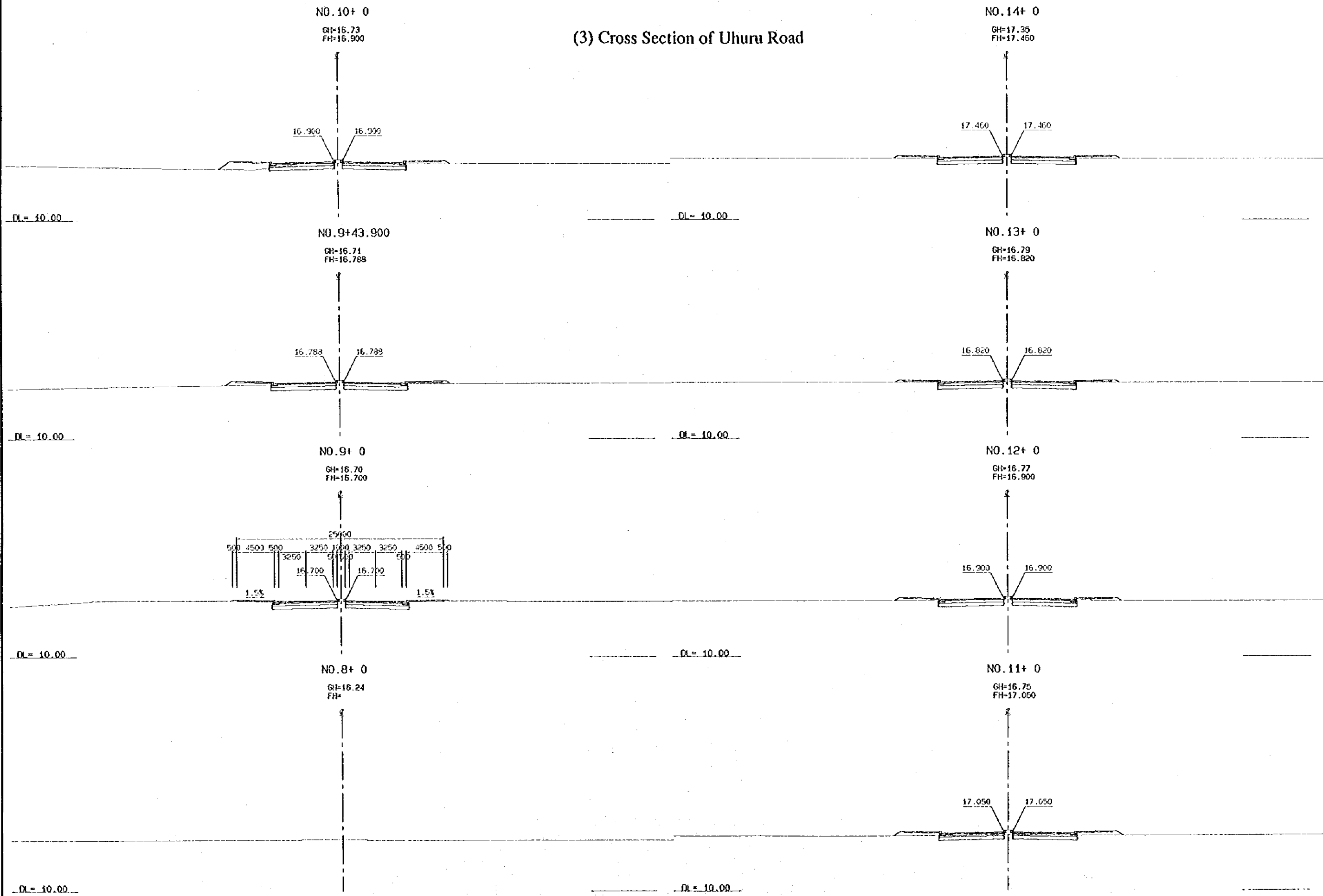
ASPHALT SURFACE COURSE (Premixed Hot Asphalt)
 ASPHALT BINDER COURSE (Premixed Hot Asphalt)
 BASE COURSE (Cement Stabilized UCS : 30kg/m²)
 SUBBASE COURSE (Crusher-run CBR 30 or more)

ASPHALT SURFACE COURSE (Premixed Hot Asphalt)
 BASE COURSE (Crusher-run CBR 30 or more)

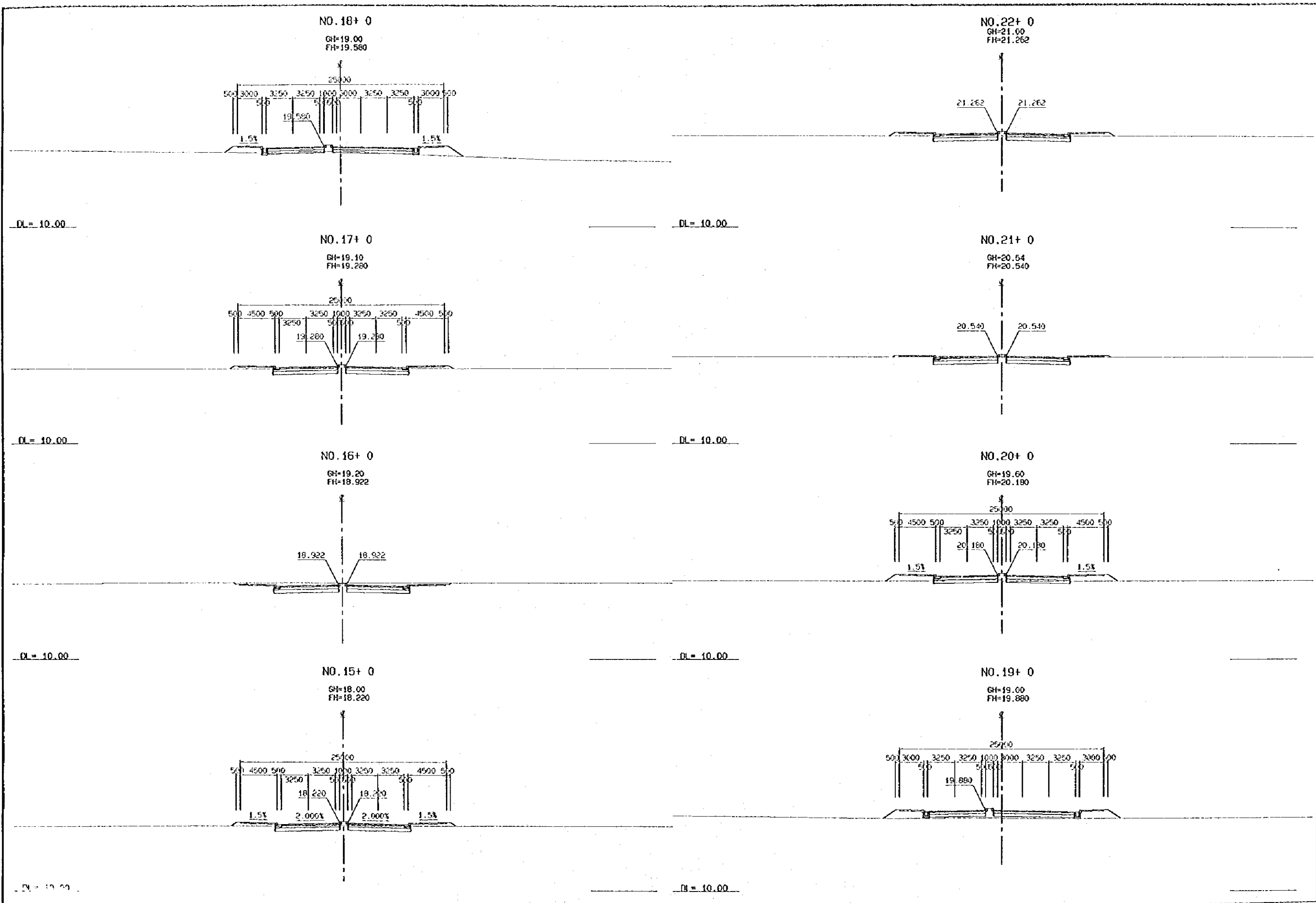
(3) Cross Section of Kipata Street



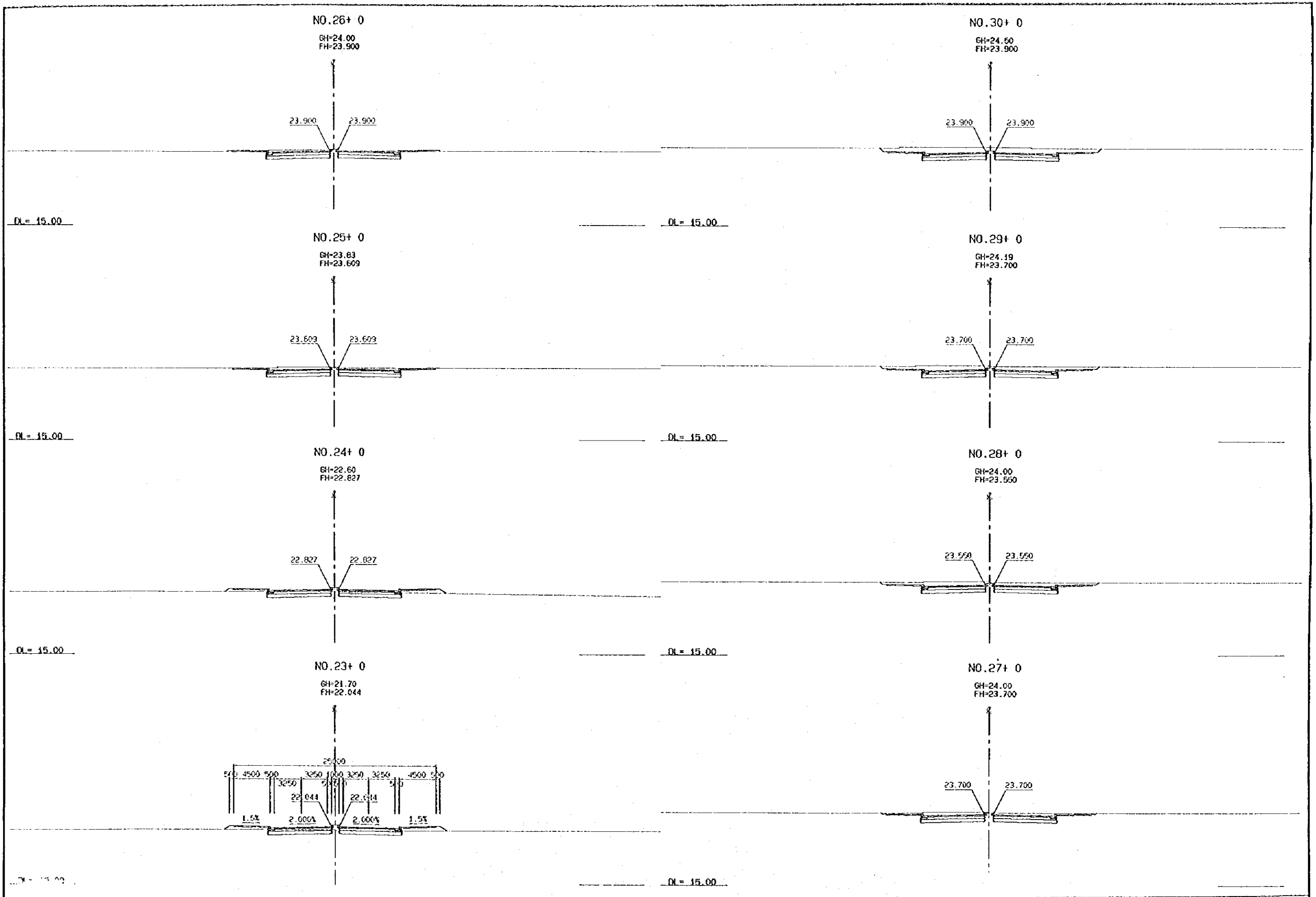
(3) Cross Section of Uhuru Road



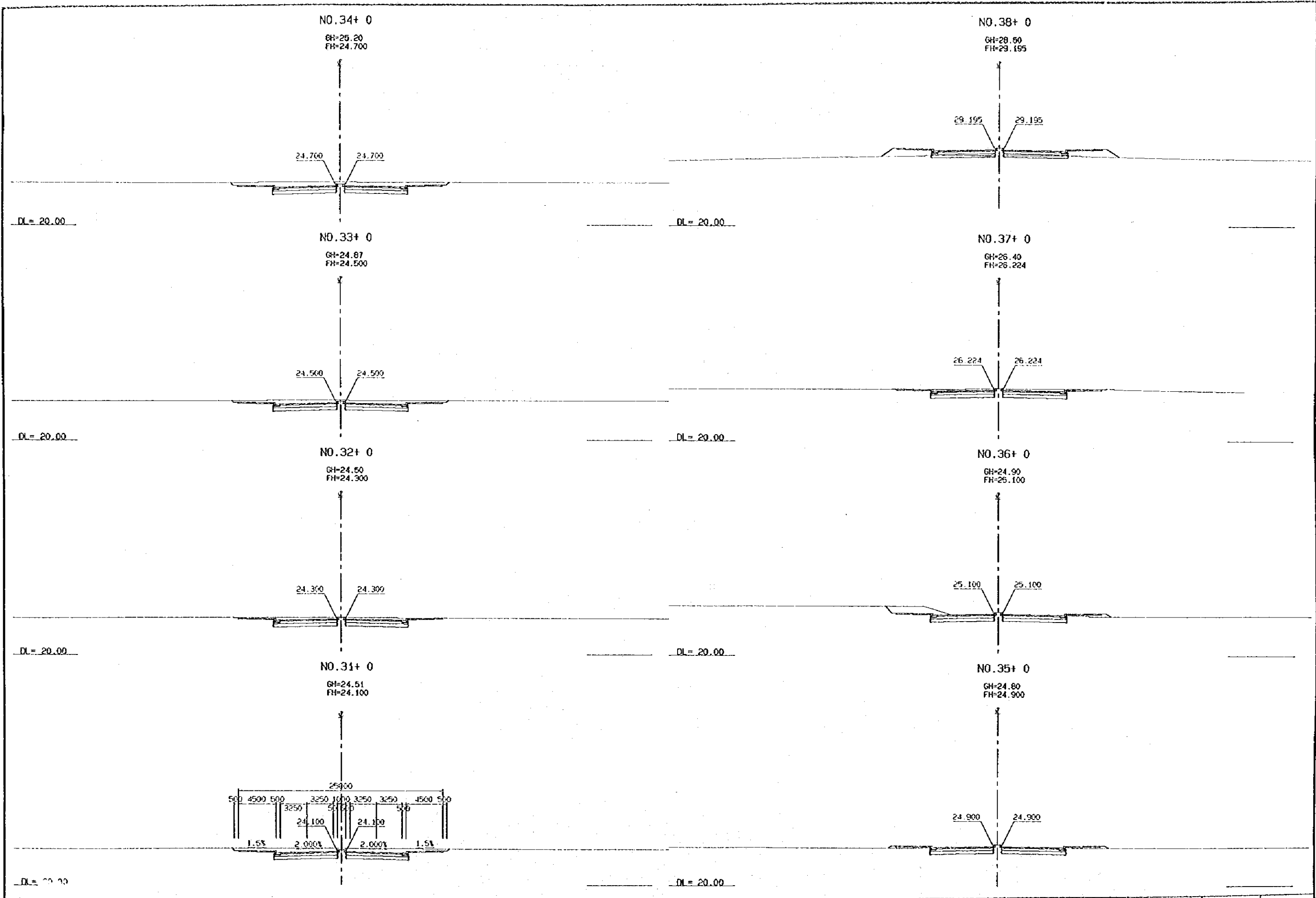
UNITED REPUBLIC OF TANZANIA MINISTRY OF WORKS, COMMUNICATIONS AND TRANSPORT	THE STUDY ON DAR-ES-SALAAM ROAD DEVELOPEMENT PLAN	JAPAN INTERNATIONAL COOPERATION AGENCY	UHURU ROAD CROSS SECTION (1)	DATE MARCH 1995	SHEET NO 73
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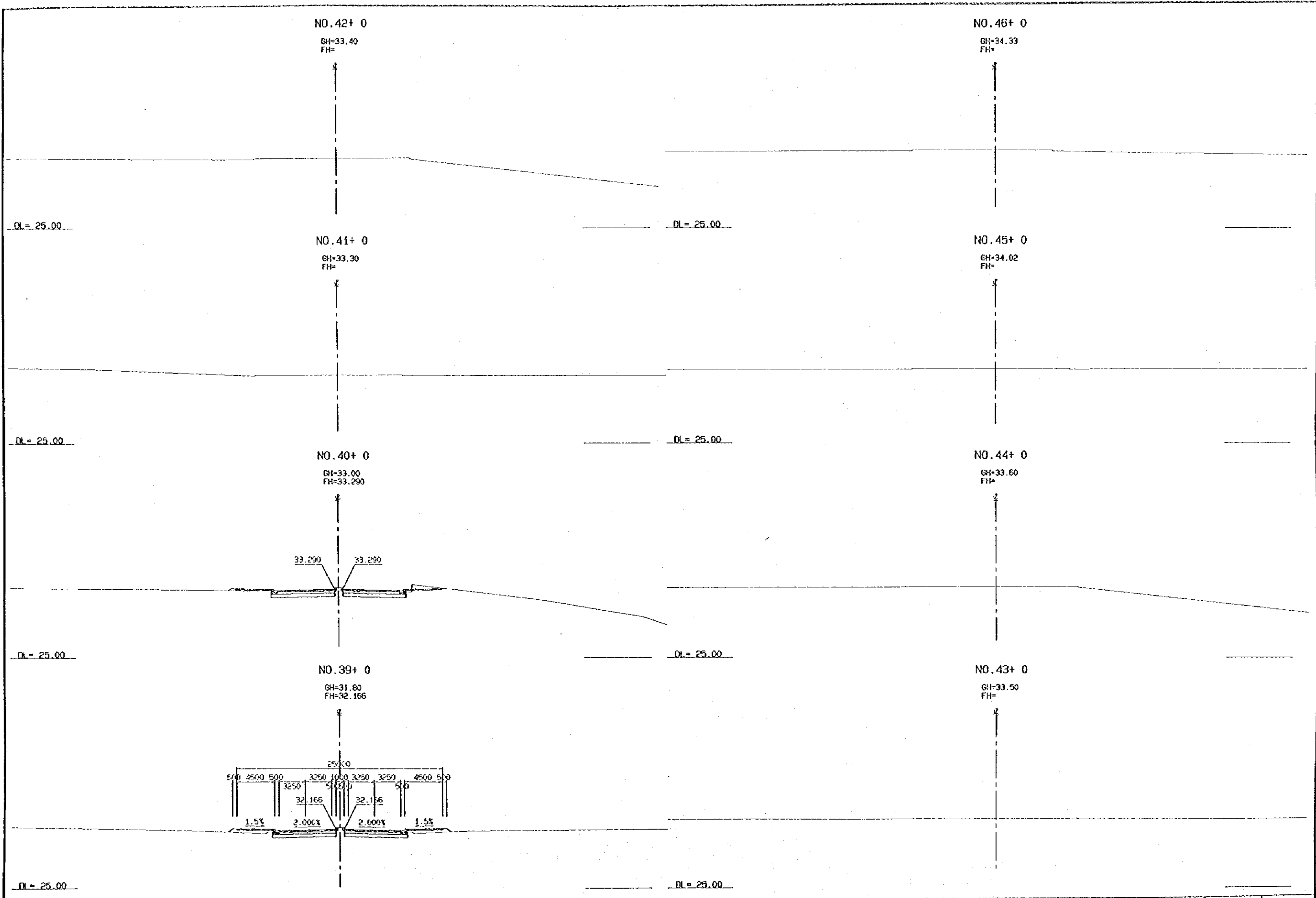
UNITED REPUBLIC OF TANZANIA MINISTRY OF WORKS, COMMUNICATIONS AND TRANSPORT	THE STUDY ON DAR-ES-SALAAM ROAD DEVELOPEMENT PLAN	JAPAN INTERNATIONAL COOPERATION AGENCY	UHURU ROAD CROSS SECTION (2)	DATE MARCH 1995	SHEET NO 74
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UNITED REPUBLIC OF TANZANIA MINISTRY OF WORKS, COMMUNICATIONS AND TRANSPORT	THE STUDY ON DAR-ES-SALAAM ROAD DEVELOPEMENT PLAN	JAPAN INTERNATIONAL COOPERATION AGENCY	UHURU ROAD	DATE	SHEET NO
			CROSS SECTION (3)	MARCH 1993	75



UNITED REPUBLIC OF TANZANIA MINISTRY OF WORKS, COMMUNICATIONS AND TRANSPORT	THE STUDY ON DAR-ES-SALAAM ROAD DEVELOPEMENT PLAN	JAPAN INTERNATIONAL COOPERATION AGENCY	UHURU ROAD	DATE	SHEET NO
			CROSS SECTION (4)	MARCH 1993	76



UNITED REPUBLIC OF TANZANIA MINISTRY OF WORKS, COMMUNICATIONS AND TRANSPORT	THE STUDY ON DAR-ES-SALAAM ROAD DEVELOPEMENT PLAN	JAPAN INTERNATIONAL COOPERATION AGENCY	UIHURU ROAD CROSS SECTION (5)	DATE MARCH 1995	SHEET NO 77
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NO. 48+ 5 (48+5)

GH=34.90
FH=

NO. 48+ 0

GH=34.80
FH=

NO. 47+ 0

GH=34.63
FH=

DL = 25.00

DL = 25.00

DL = 25.00

UNITED REPUBLIC OF TANZANIA
MINISTRY OF WORKS,
COMMUNICATIONS AND TRANSPORT

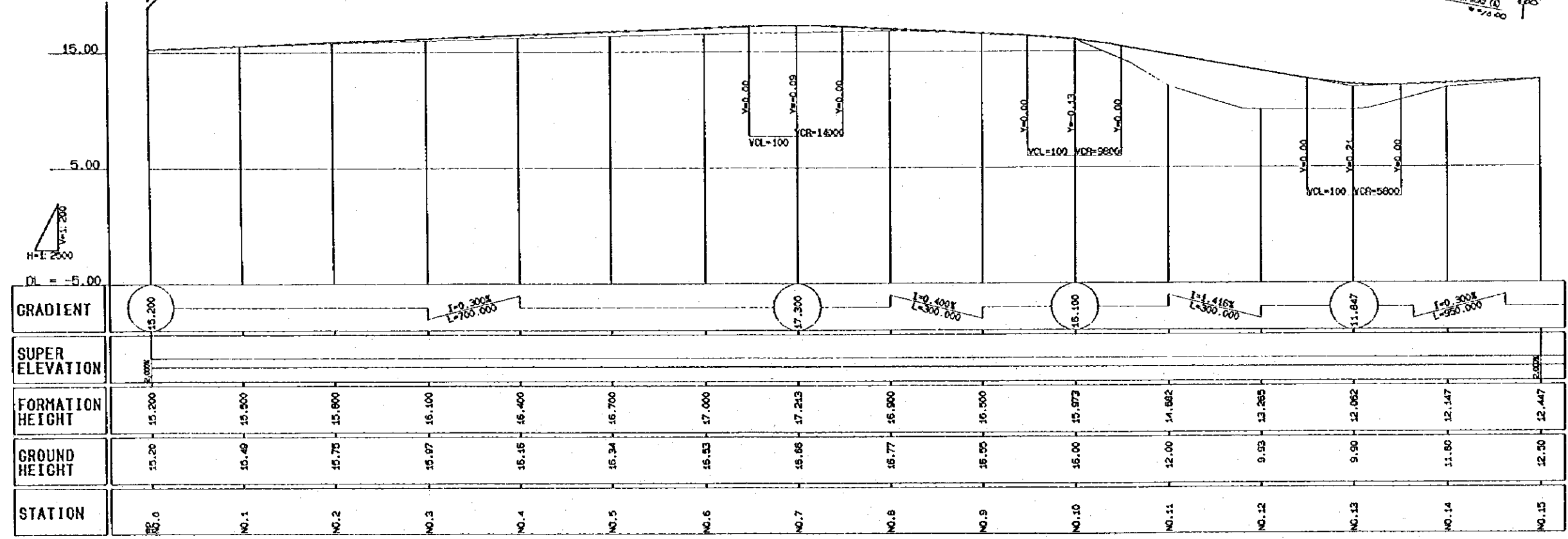
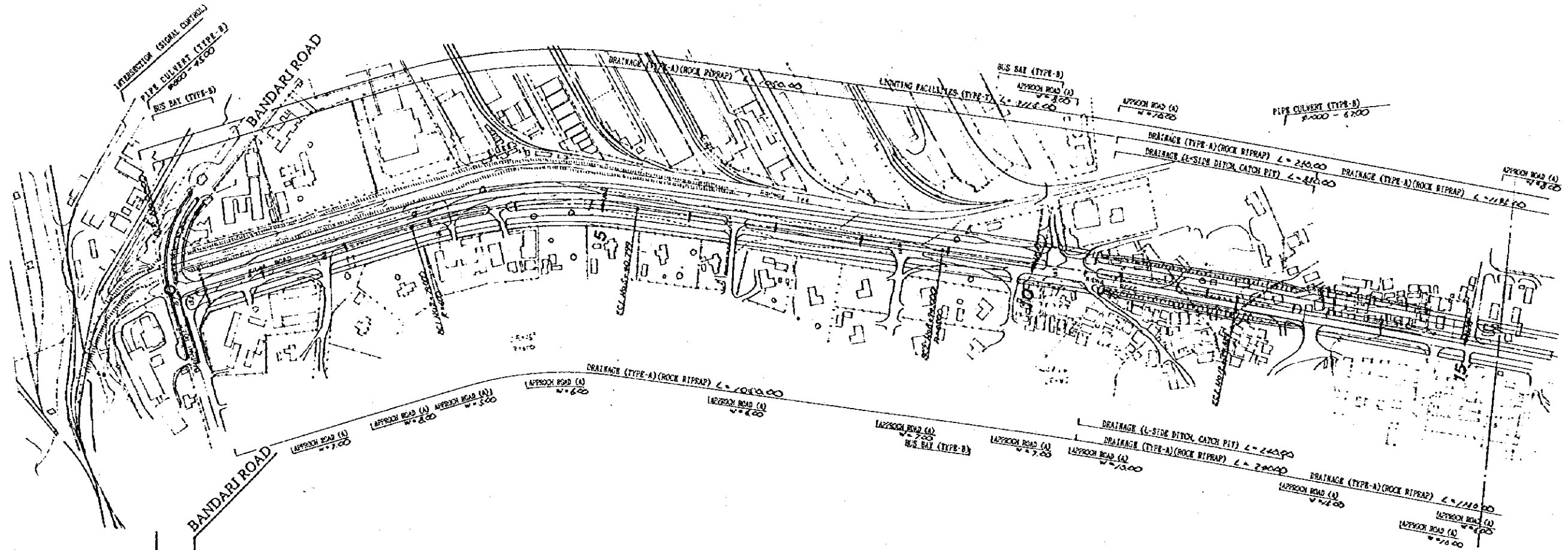
THE STUDY
ON
DAR-ES-SALAAM ROAD DEVELOPEMENT PLAN

JAPAN INTERNATIONAL
COOPERATION AGENCY

UHURU ROAD
CROSS SECTION (6)

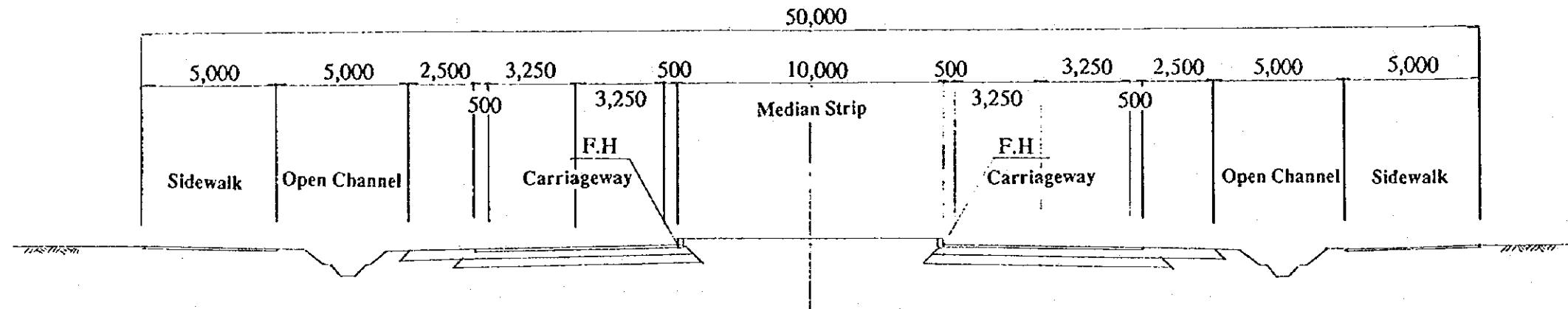
DATE	SHEET NO
MARCH 1995	78

4.3 Kilwa Road (I) Plan and Profile

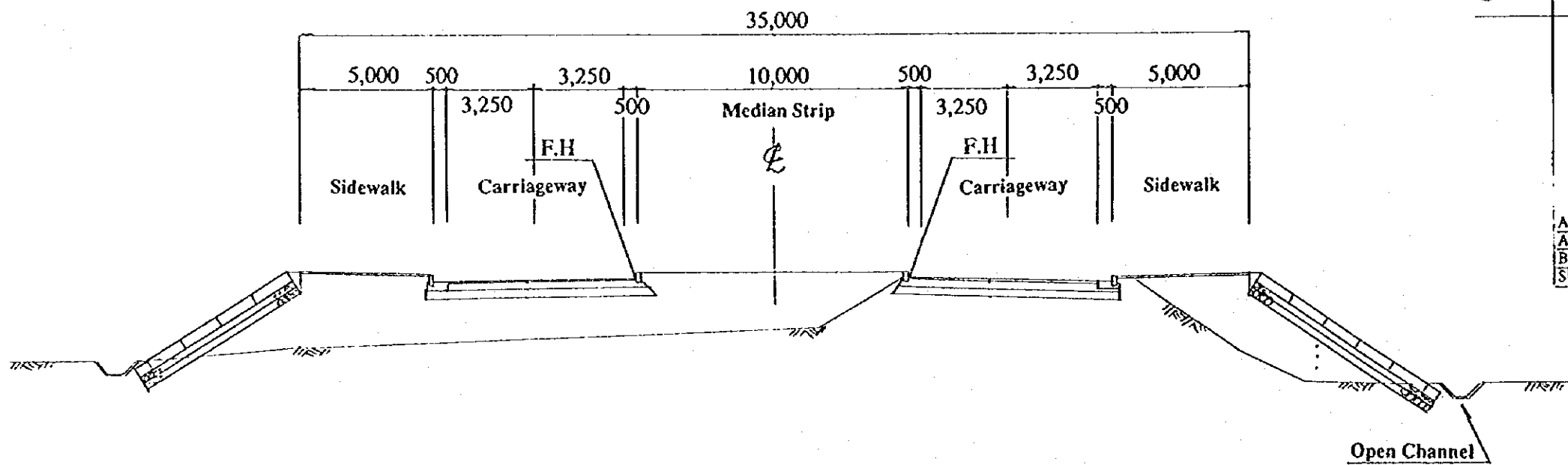


GRADIENT																
SUPER ELEVATION																
FORMATION HEIGHT	15.200	15.200	15.800	16.100	16.400	16.700	17.000	17.213	16.900	16.900	15.973	14.862	13.265	12.062	12.147	12.447
GROUND HEIGHT	15.20	15.40	15.75	15.97	16.16	16.34	16.53	16.66	16.77	16.95	16.00	12.00	9.53	9.90	11.80	12.30
STATION	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	10.10	10.11	10.12	10.13	10.14	10.15

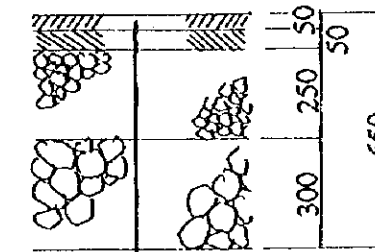
(2) Typical Cross Section of Kilwa Road



PAVEMENT STRUCTURE



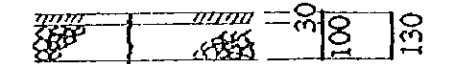
CARRIAGEWAY



OVERLAY



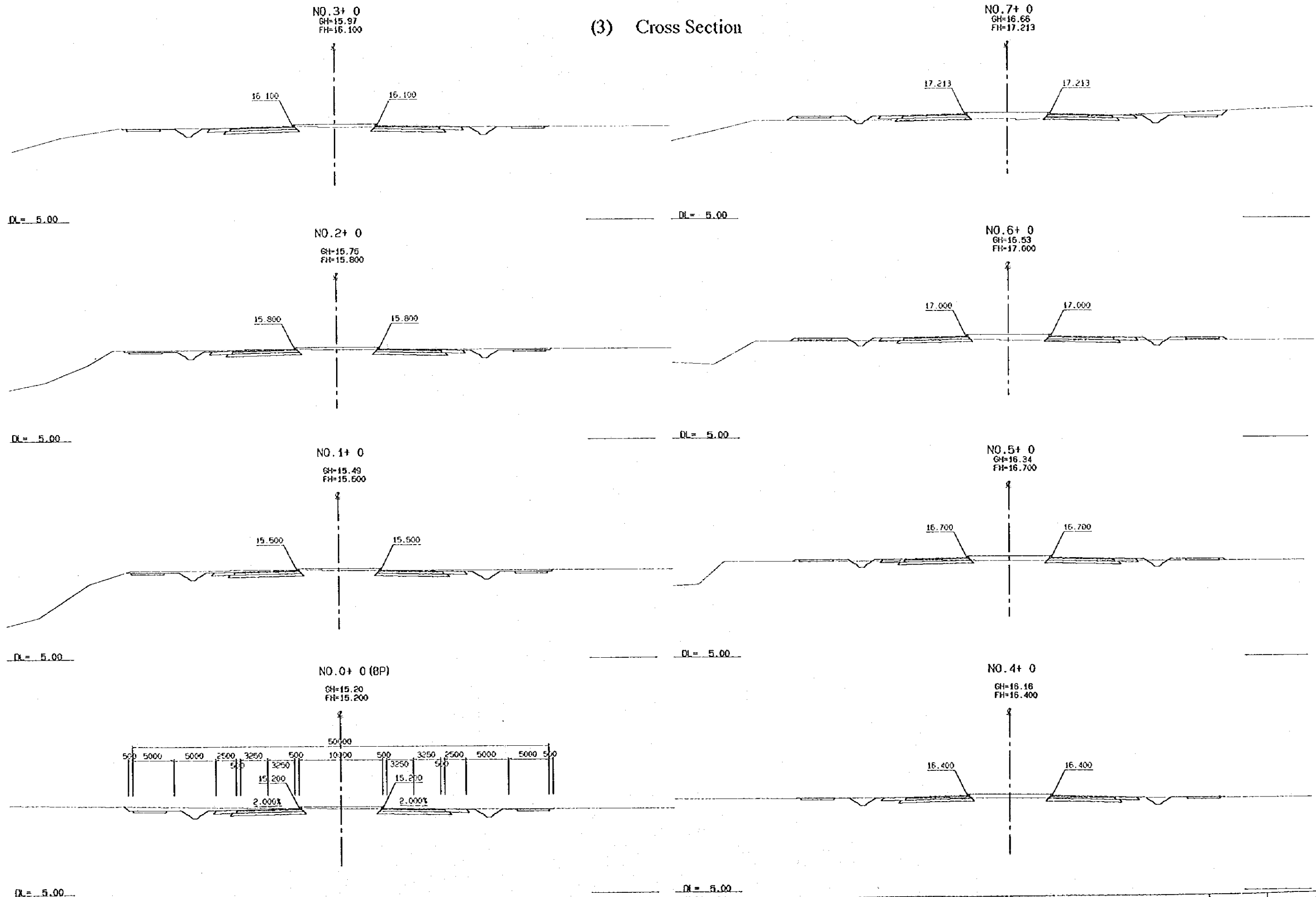
SIDEWALK

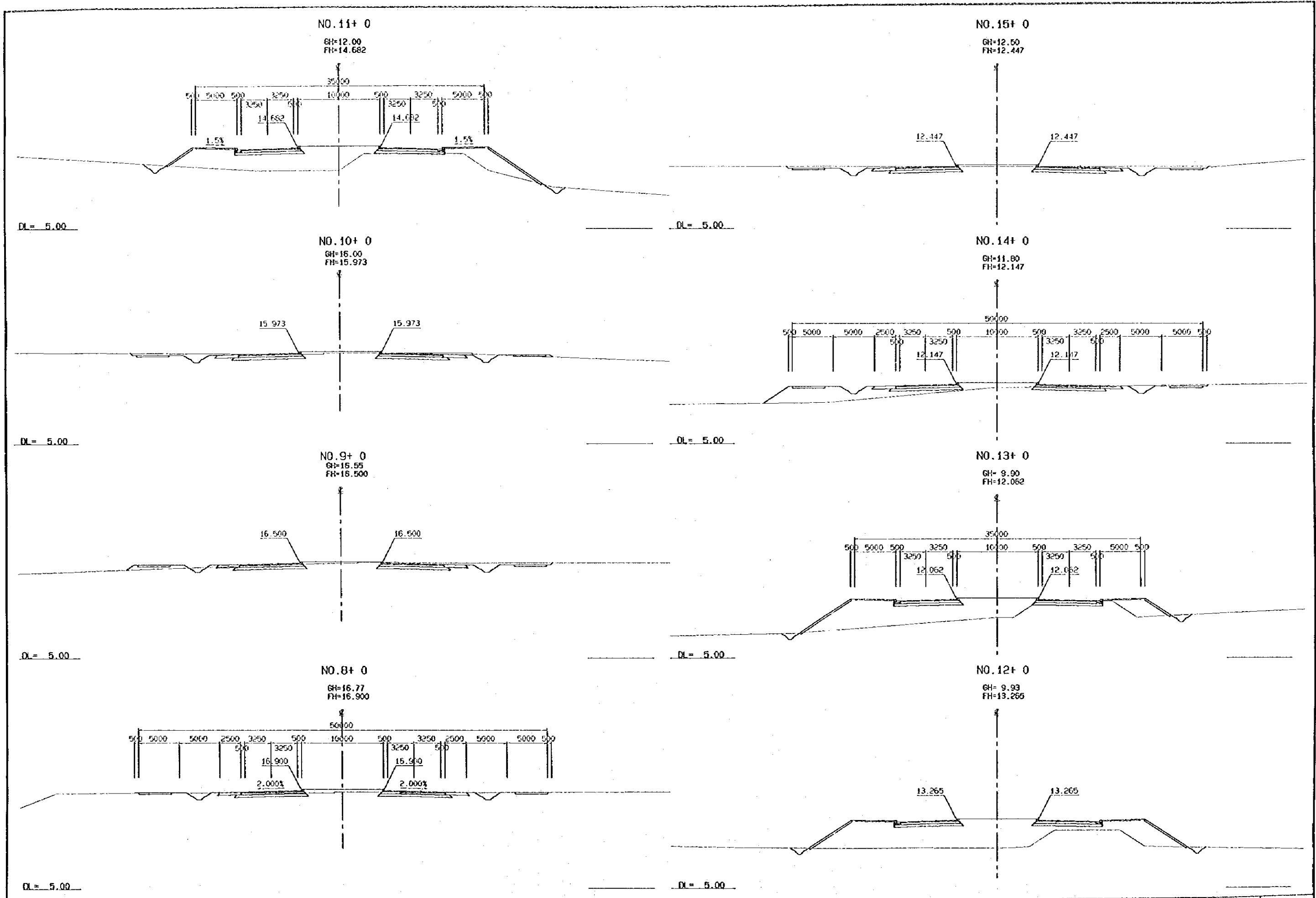


ASPHALT SURFACE COURSE (Premixed Hot Asphalt)
BASE COURSE (Crusher-run CBR 30 or more)

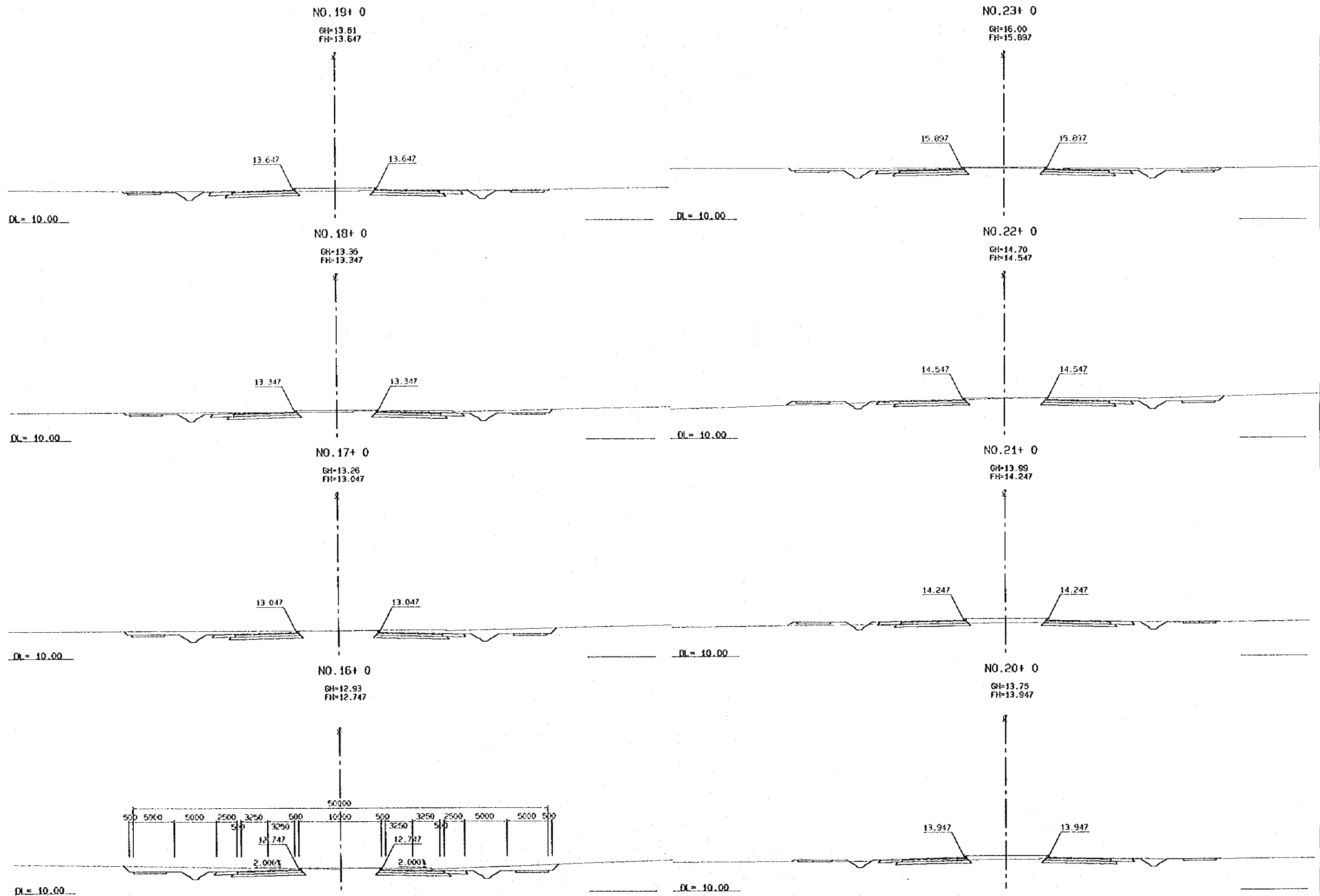
ASPHALT SURFACE COURSE (Premixed Hot Asphalt)
ASPHALT BINDER COURSE (Premixed Hot Asphalt)
BASE COURSE (Cement Stabilized UCS : 30kg/m²)
SUBBASE COURSE (Crusher-run CBR 30 or more)

(3) Cross Section





UNITED REPUBLIC OF TANZANIA MINISTRY OF WORKS, COMMUNICATIONS AND TRANSPORT	THE STUDY ON DAR-ES-SALAAM ROAD DEVELOPEMENT PLAN	JAPAN INTERNATIONAL COOPERATION AGENCY	KILWA ROAD CROSS SECTION (2)	DATE MARCH 1995	SHEET NO 83
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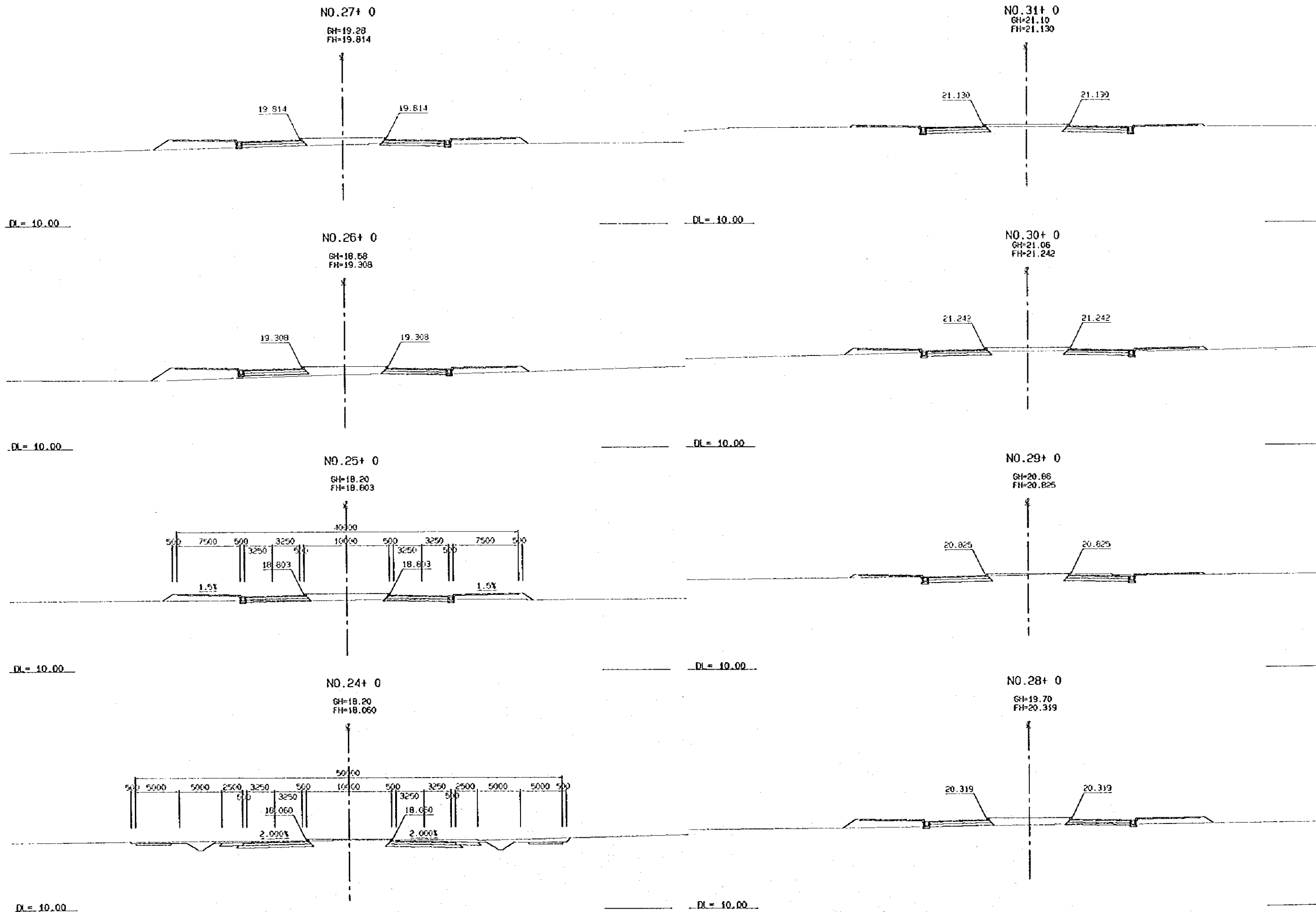
UNITED REPUBLIC OF TANZANIA
MINISTRY OF WORKS,
COMMUNICATIONS AND TRANSPORT

THE STUDY
ON
DAR-ES-SALAAM ROAD DEVELOPEMENT PLAN

JAPAN INTERNATIONAL
COOPERATION AGENCY

KILWA ROAD
CROSS SECTION (3)

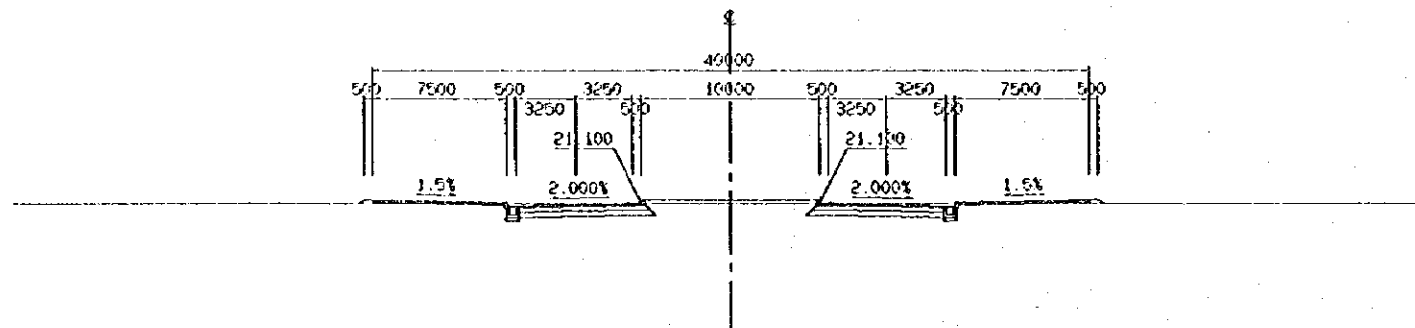
DATE	SHEET NO
MARCH 1995	84



UNITED REPUBLIC OF TANZANIA MINISTRY OF WORKS, COMMUNICATIONS AND TRANSPORT	THE STUDY ON DAR-ES-SALAAM ROAD DEVELOPEMENT PLAN	JAPAN INTERNATIONAL COOPERATION AGENCY	KILWA ROAD CROSS SECTION (4)	DATE MARCH 1995	SHEET NO 85
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NO. 31+15 (EP)

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FH=21.100

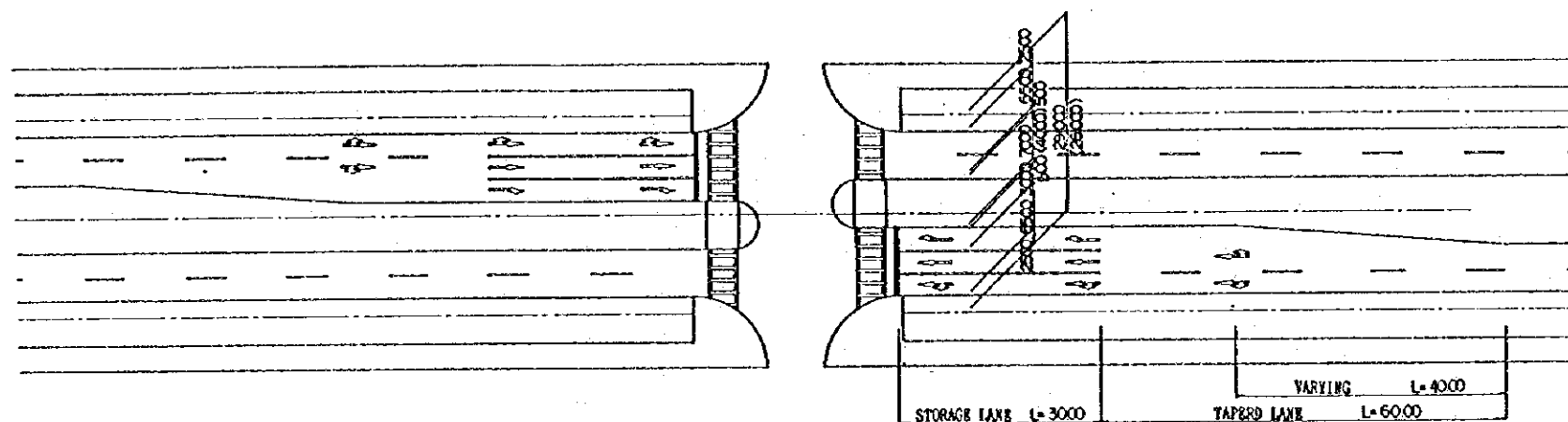


EL = 10.00

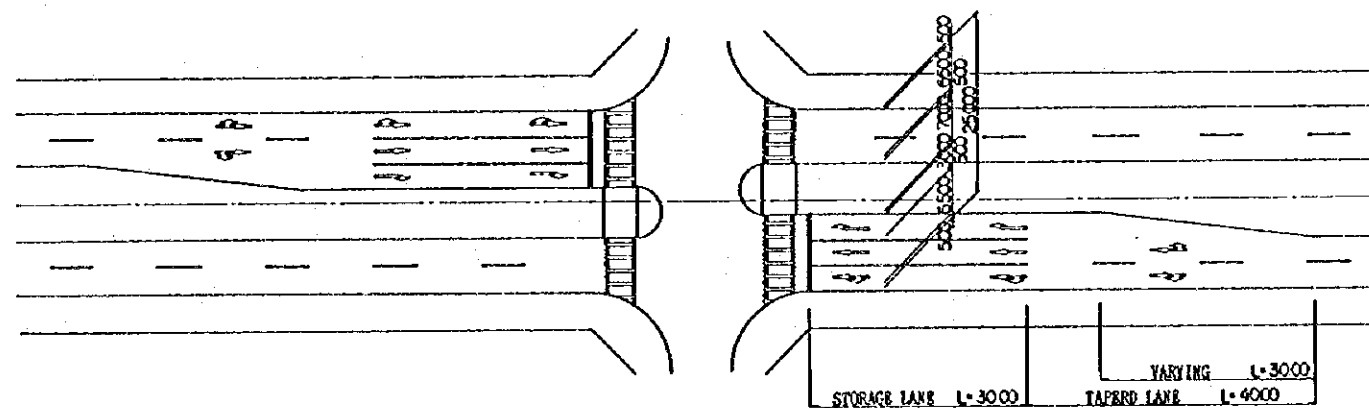
UNITED REPUBLIC OF TANZANIA MINISTRY OF WORKS, COMMUNICATIONS AND TRANSPORT	THE STUDY ON DAR-ES-SALAAM ROAD DEVELOPEMENT PLAN	JAPAN INTERNATIONAL COOPERATION AGENCY	KILWA ROAD CROSS SECTION (5)	DATE MARCH 1993	SHEET NO 86
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5. Major Intersections

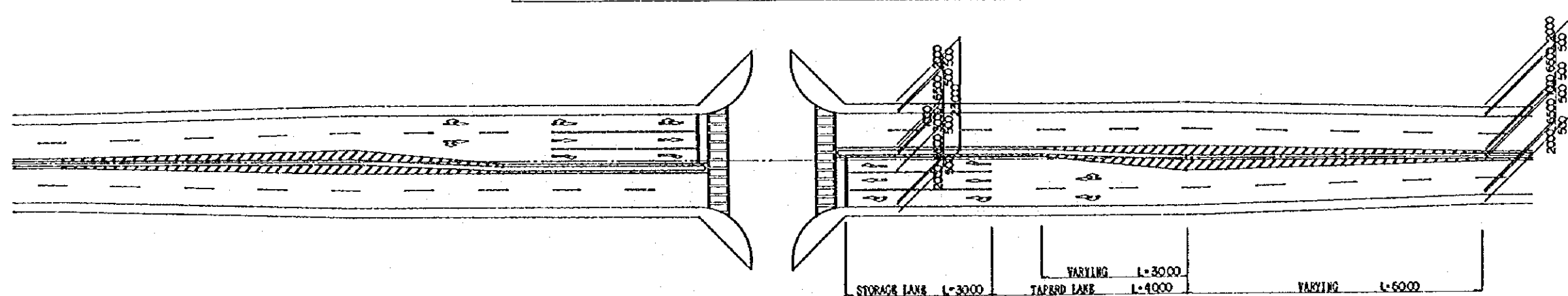
1) NEW BAGAMOYO & KILWA ROAD (V=80km/h)



2) MOROCCO & NEW KIGOGO ROAD (V=60km/h)

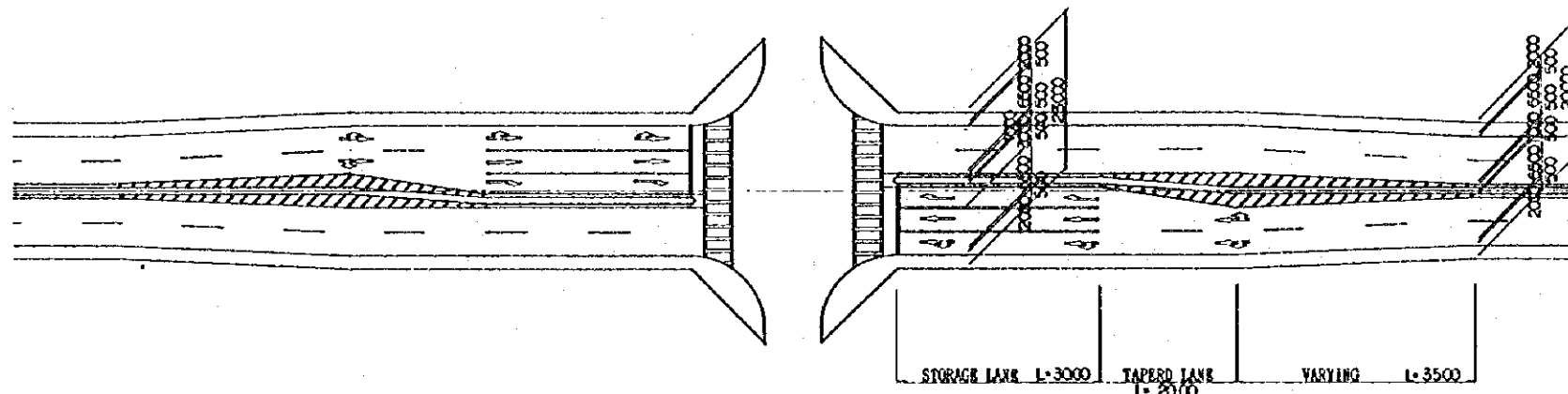


3) MISSING LINK & CHANG' OMBE ROAD (V=60km/h)

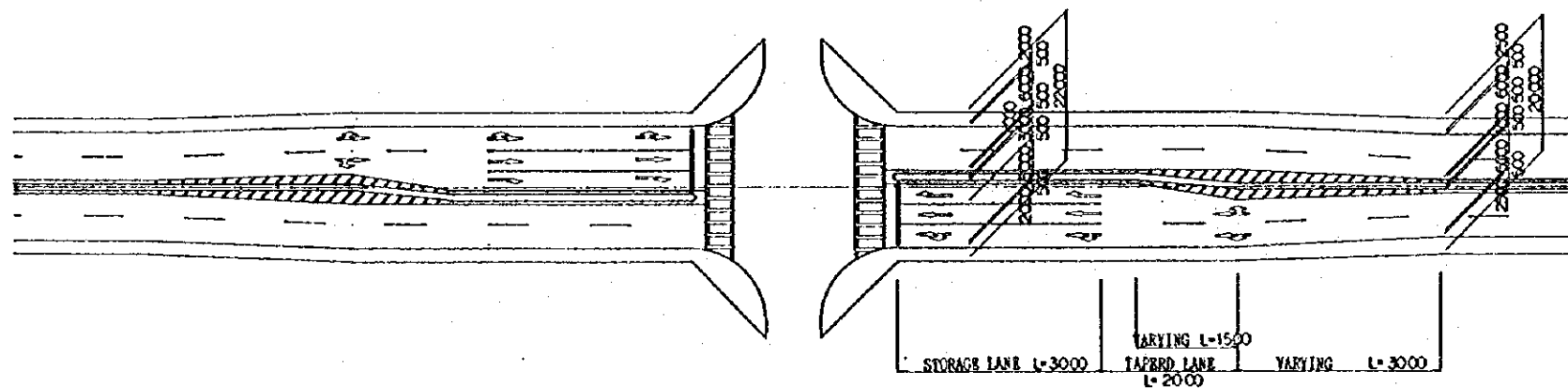


MAJOR INTERSECTIONS -2

4) UHURU ROAD (V=40km/h)



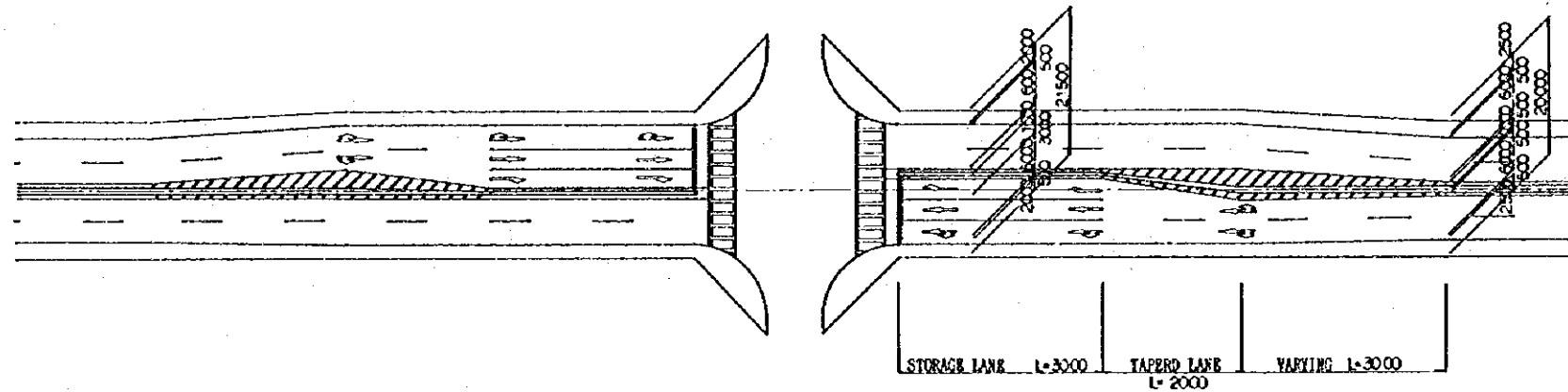
5) OHIO, KIVUKONI FRONT, GEREZANI & BANDARI ROAD (V=40km/h)



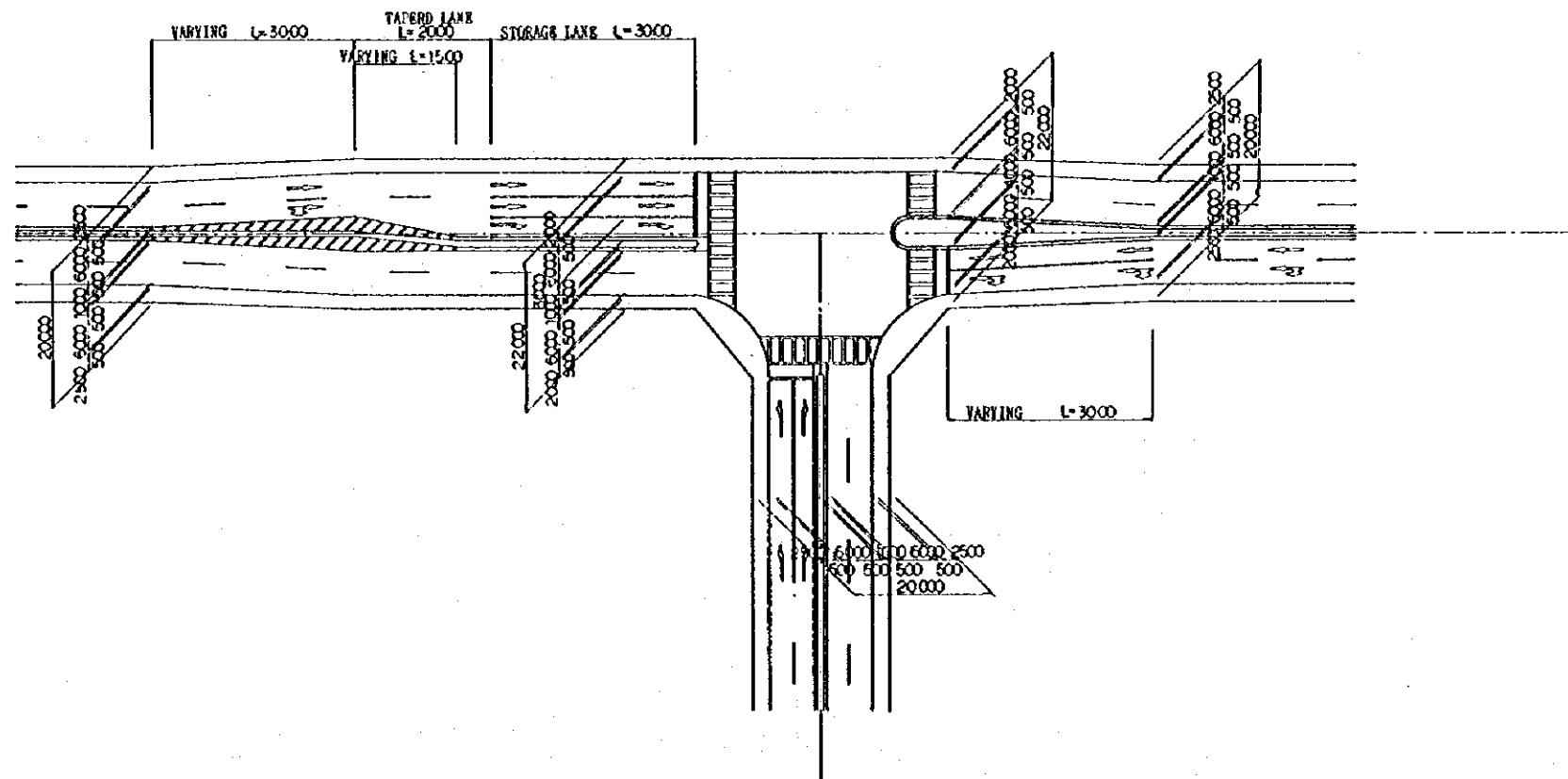
<p>THE UNITED REPUBLIC OF TANZANIA MINISTRY OF WORKS</p>	<p>THE STUDY ON DAR-ES-SALAAM ROAD DEVELOPEMENT PLAN</p>	<p>JAPAN INTERNATIONAL COOPERATION AGENCY</p>	<p>MAJOR INTERSECTIONS (2)</p>	<p>DATE MARCH 1995</p>	<p>SHEET NO 88</p>
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MAJOR INTERSECTIONS -3

6) SOKOINE DRIVE (V=40km/h)



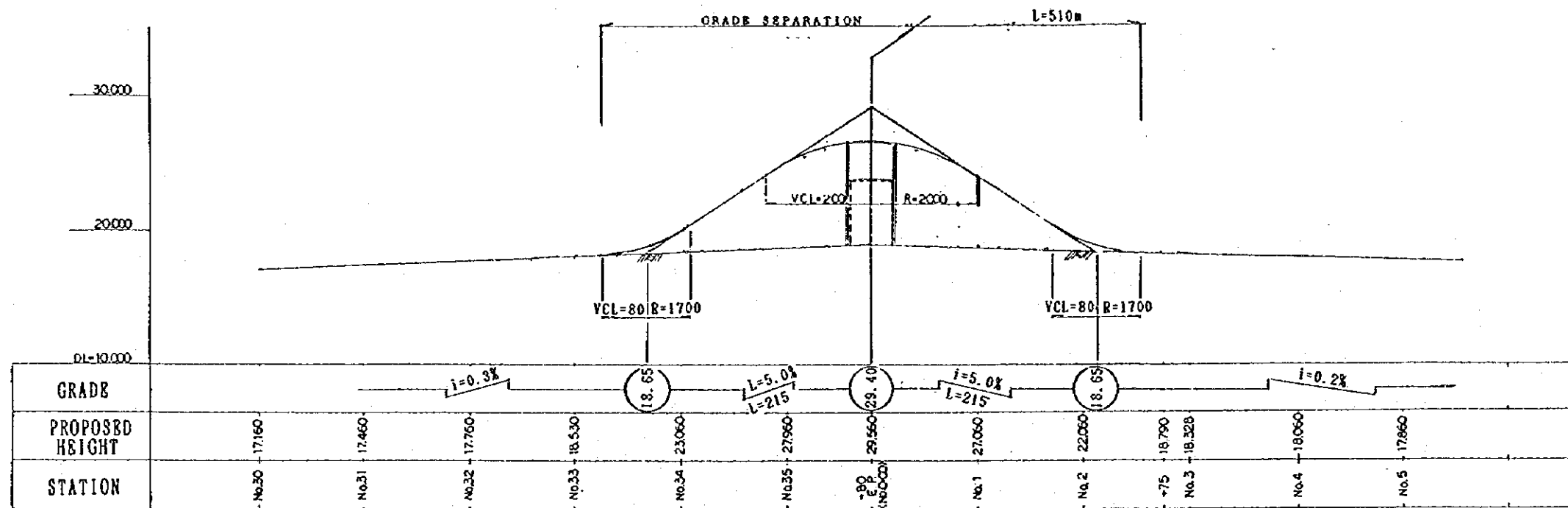
7) T-TYPE INTERSECTION (GEREZANI & BANDARI ROAD) (V=40km/h)



6. Grade Separation in Future

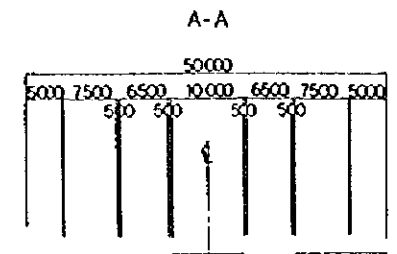
GENERAL VIEW OF GRADE SEPARATED INTERSECTION (MOROGORO ROAD-MIDDLE RING ROAD)

PROFILE $M=1:2500$

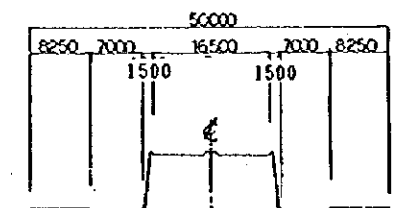


TYPICAL CROSS SECTION $S=1:50$

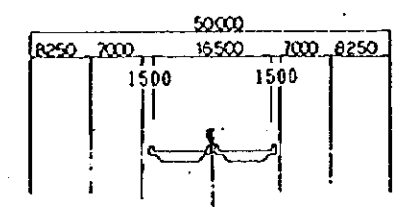
(Middle Ring Road)



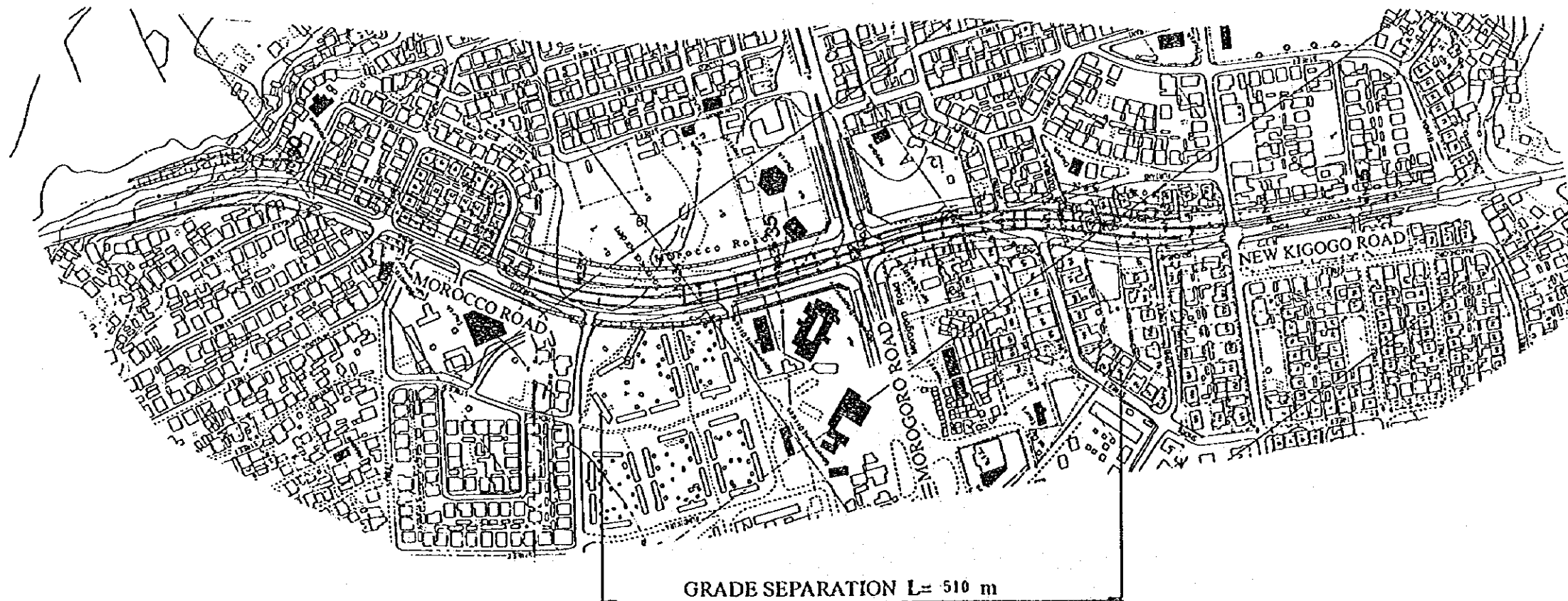
B-B



C-C



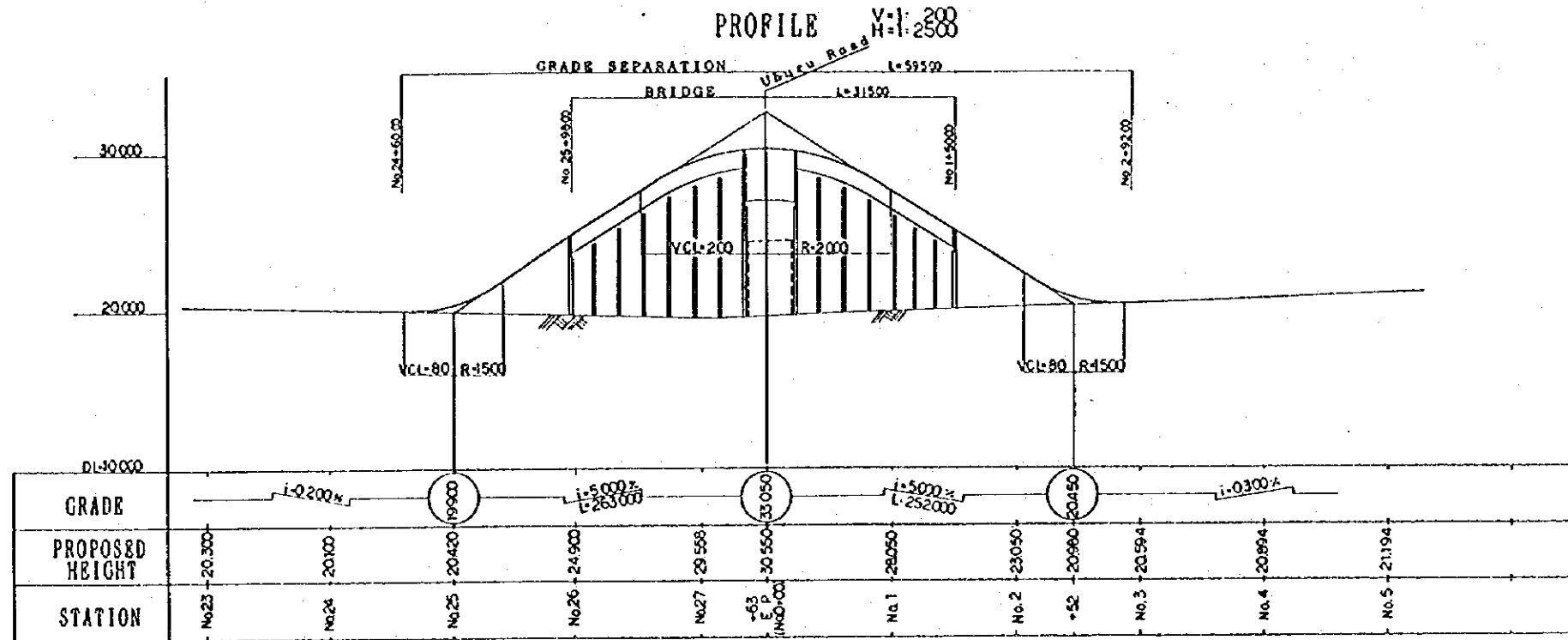
PLAN $S=1:2500$



GRADE SEPARATION $L= 510$ m

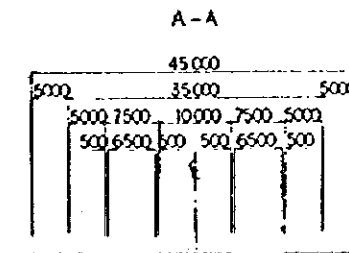
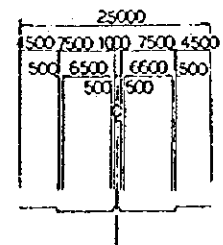
GENERAL VIEW OF GRADE SEPARATED INTERSECTION (UHURU ROAD-MIDDLE RING ROAD)

TYPICAL CROSS SECTION S-1-50
(New Kigogo Road)

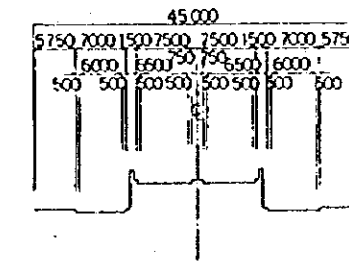


(Uhuru Road)

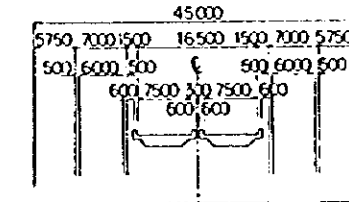
F-F



B-B

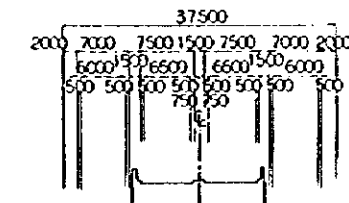


C-C

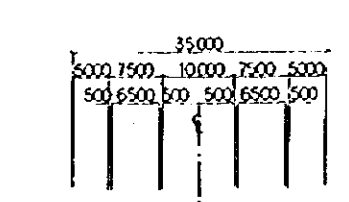


(Missing Link)

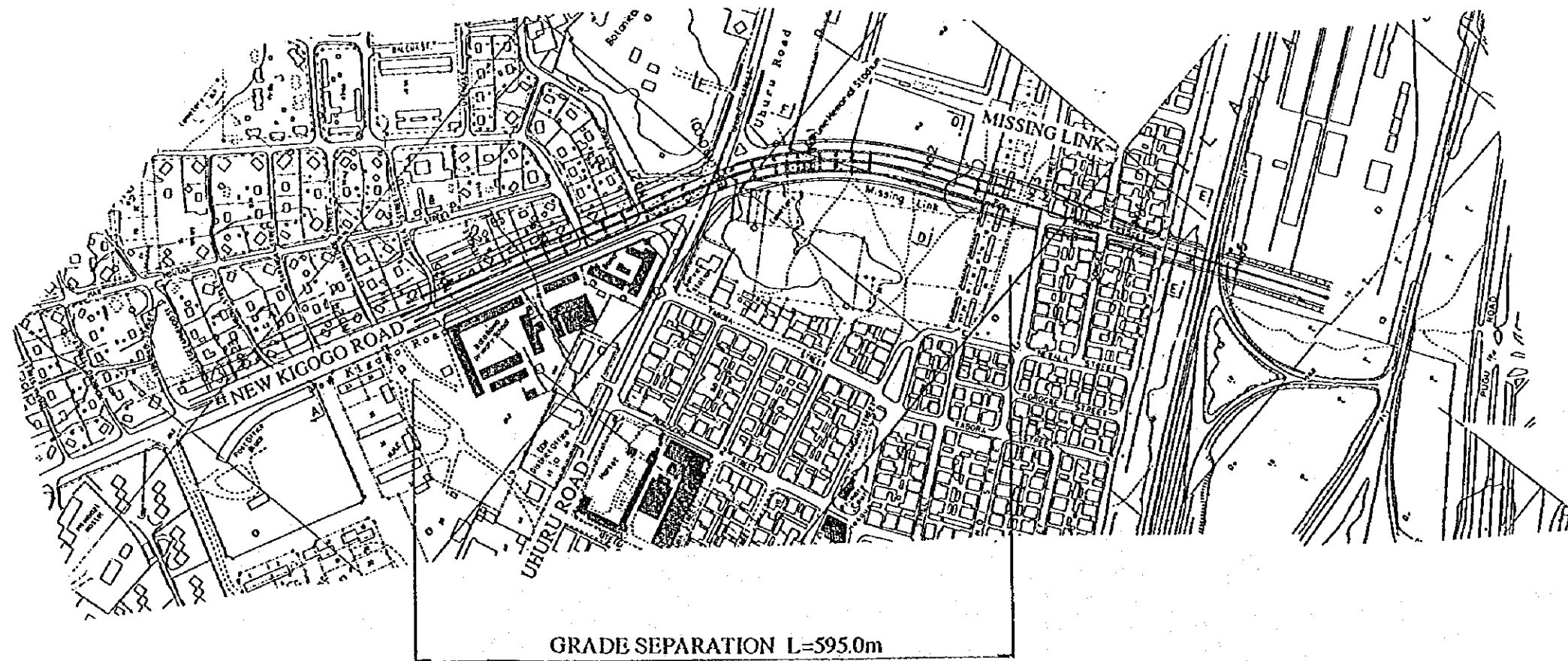
D-D



E-E

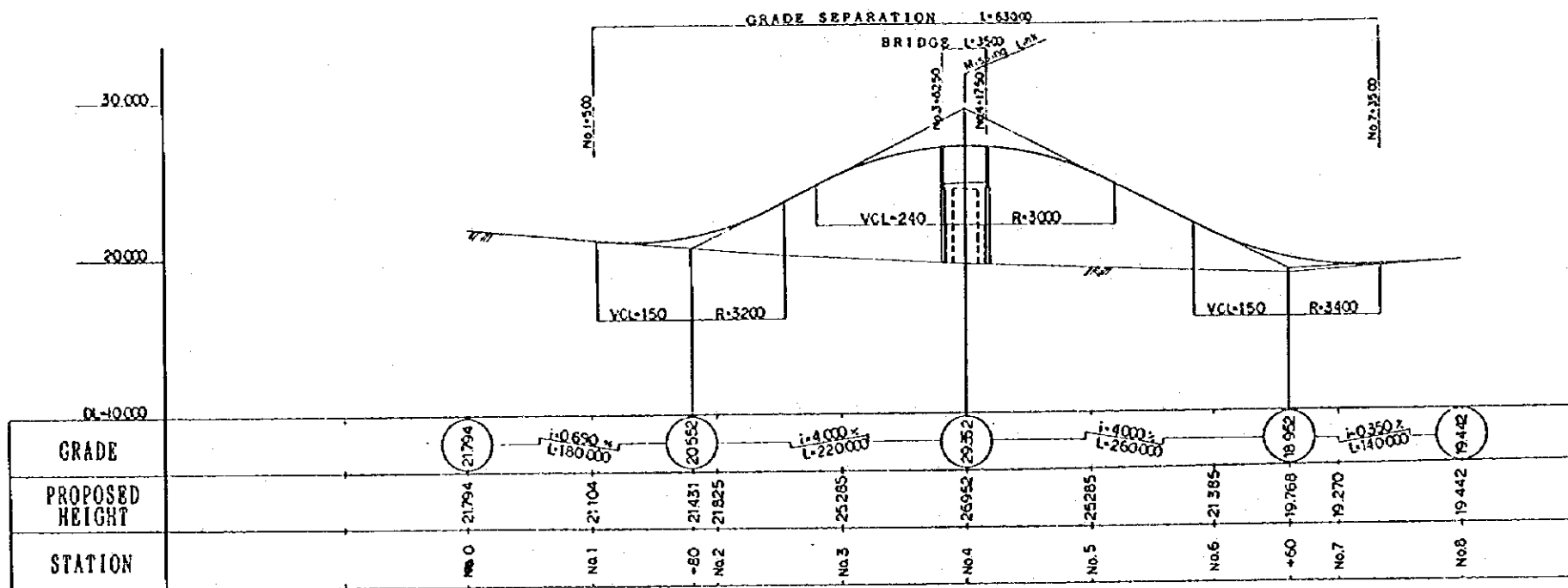


PLAN S-1:2500

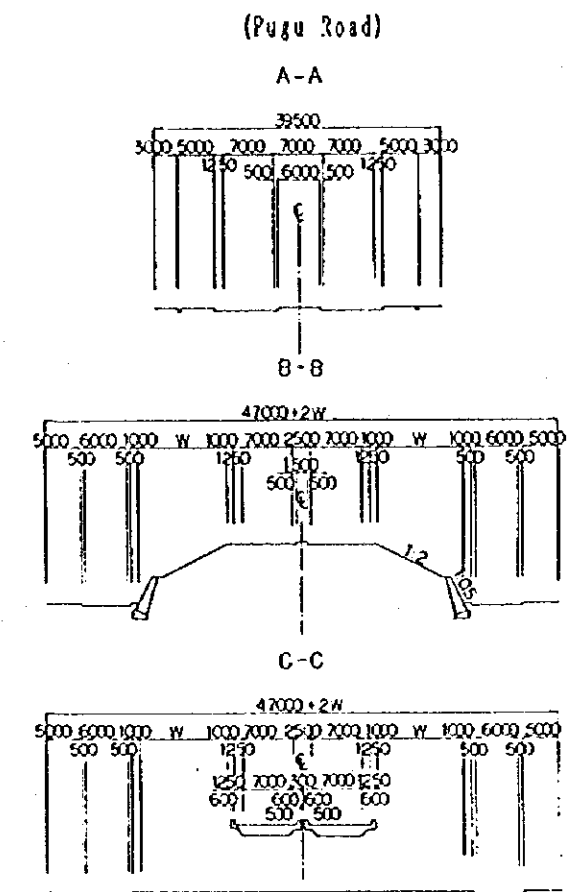


GENERAL VIEW OF GRADE SEPARATED INTERSECTION (PUGU ROAD-MIDDLE RING ROAD)

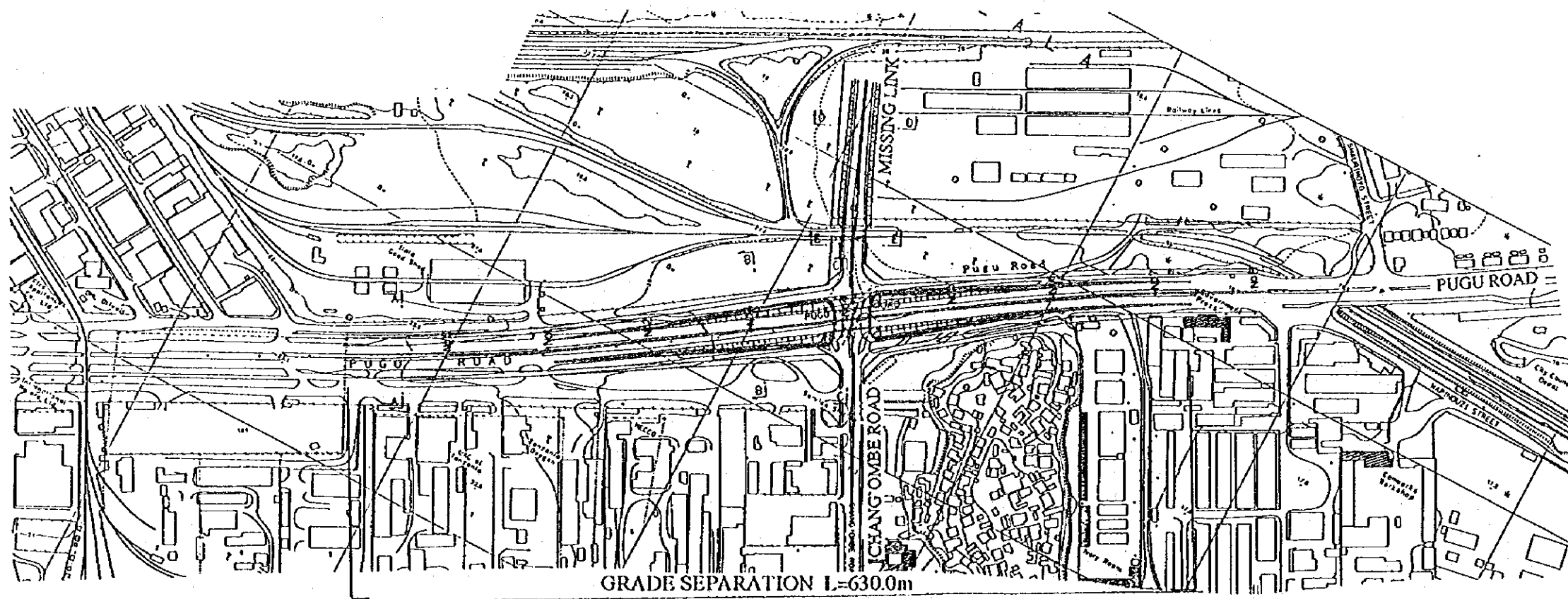
PROFILE N:1:200



TYPICAL CROSS SECTION S-150

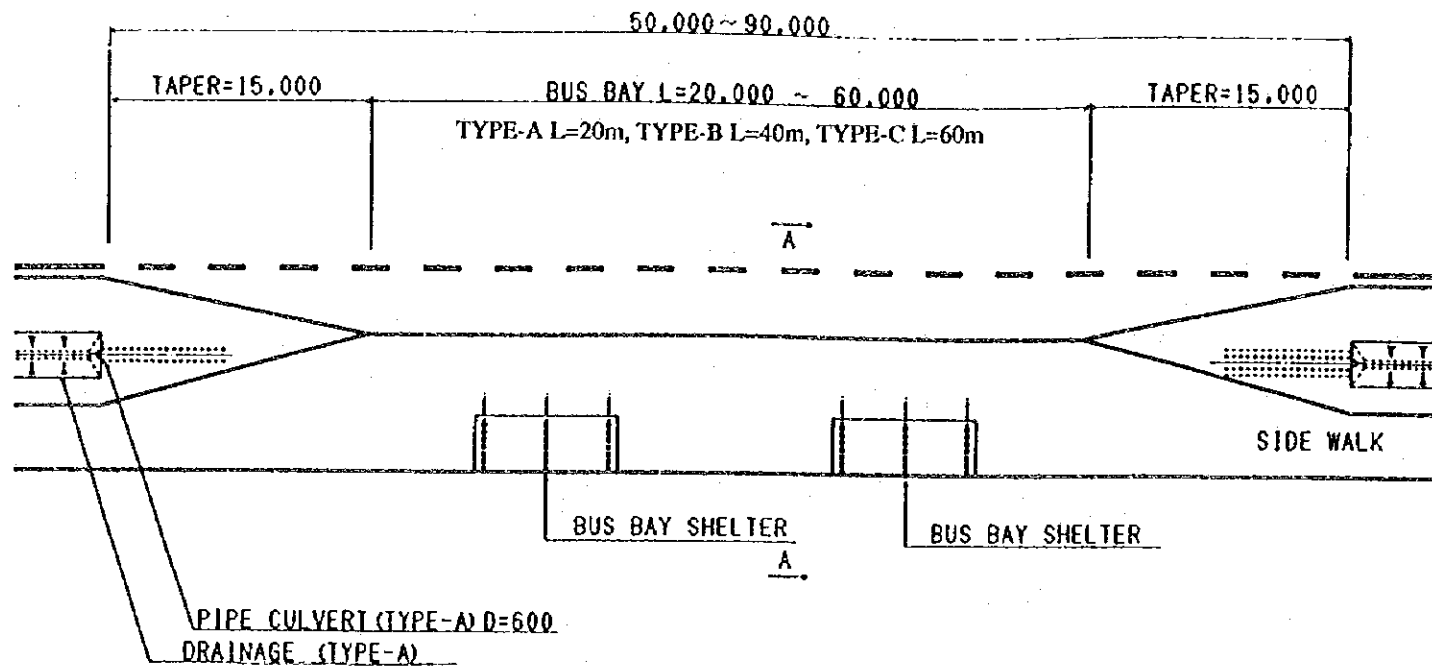


PLAN S-1 2500

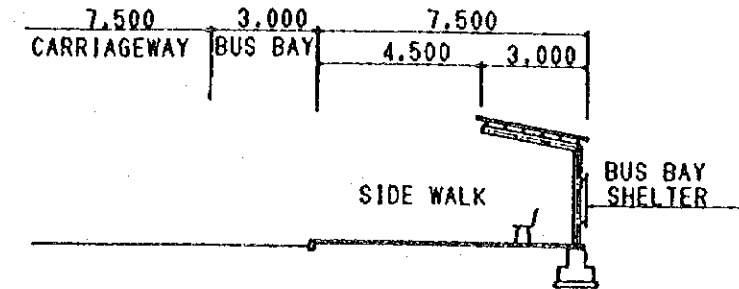


7. Bus Bay Plan

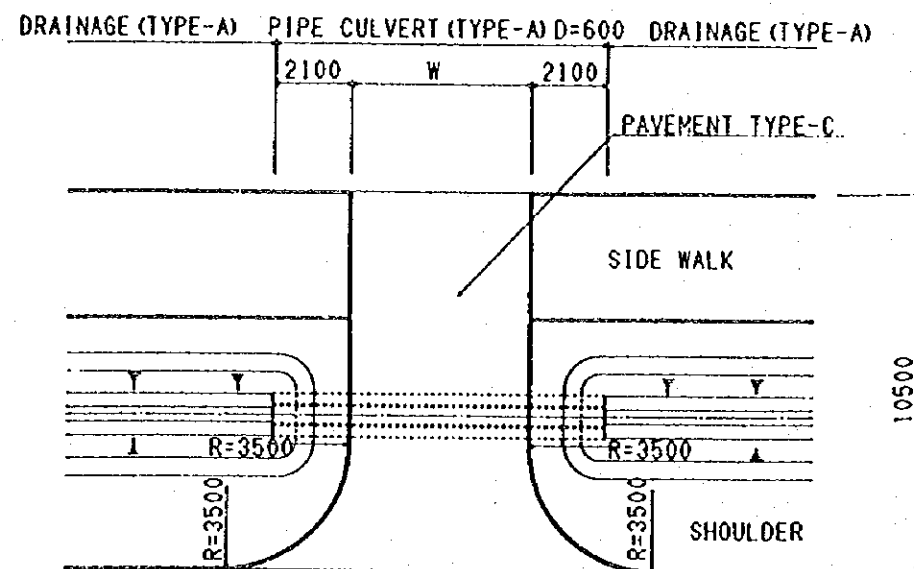
BUS BAY TYPE A~C S=1:200



A-A SECTION S=1:100



APPROACH ROAD (A) W S=1:100



APPROACH ROAD (B) W S=1:100

