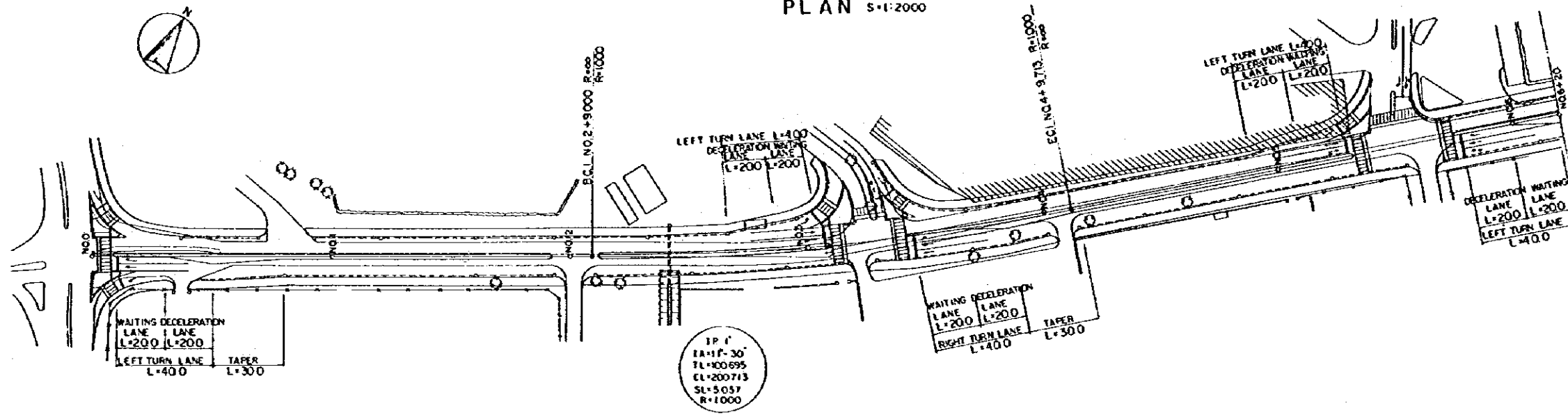
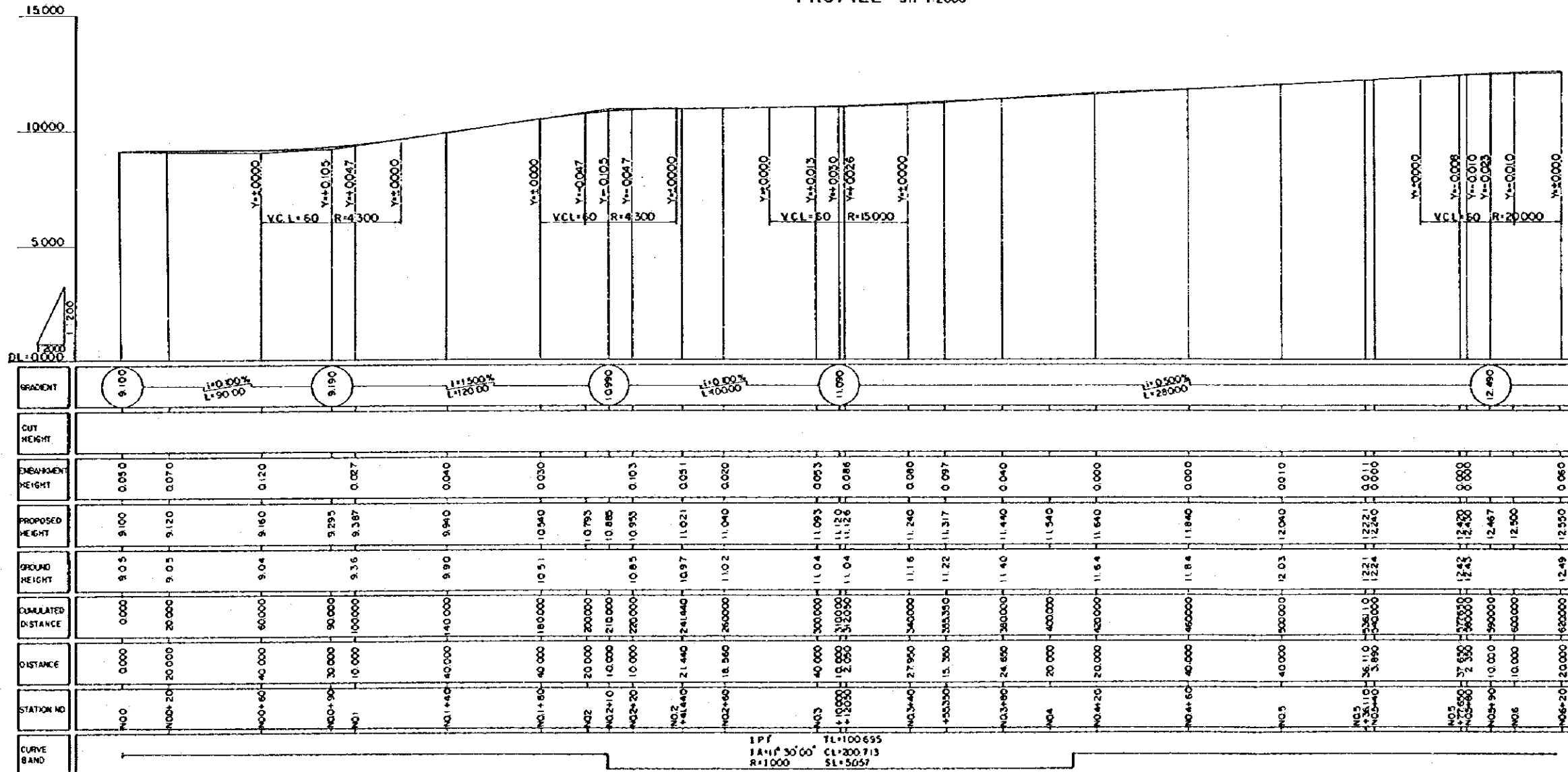


PLAN S-1:2000



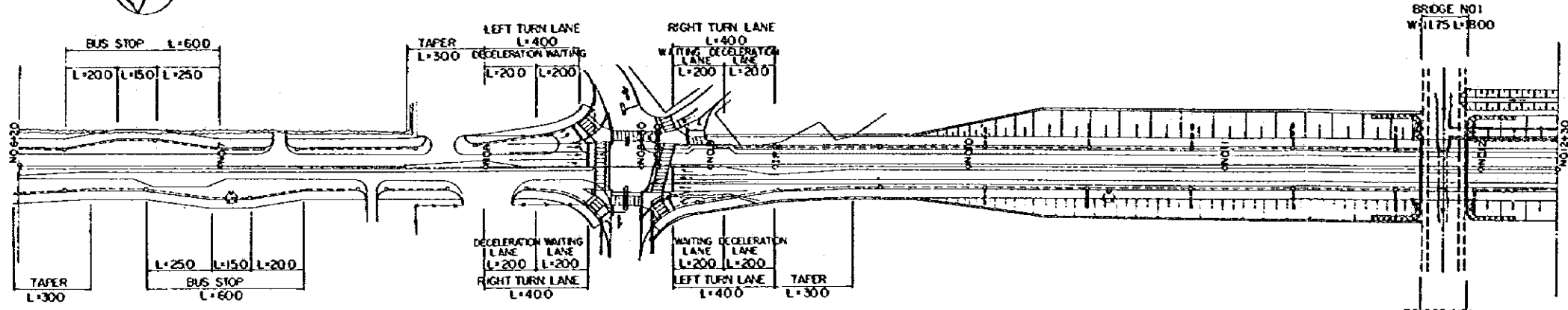
PROFILE SV:1:200 SH:1:2000



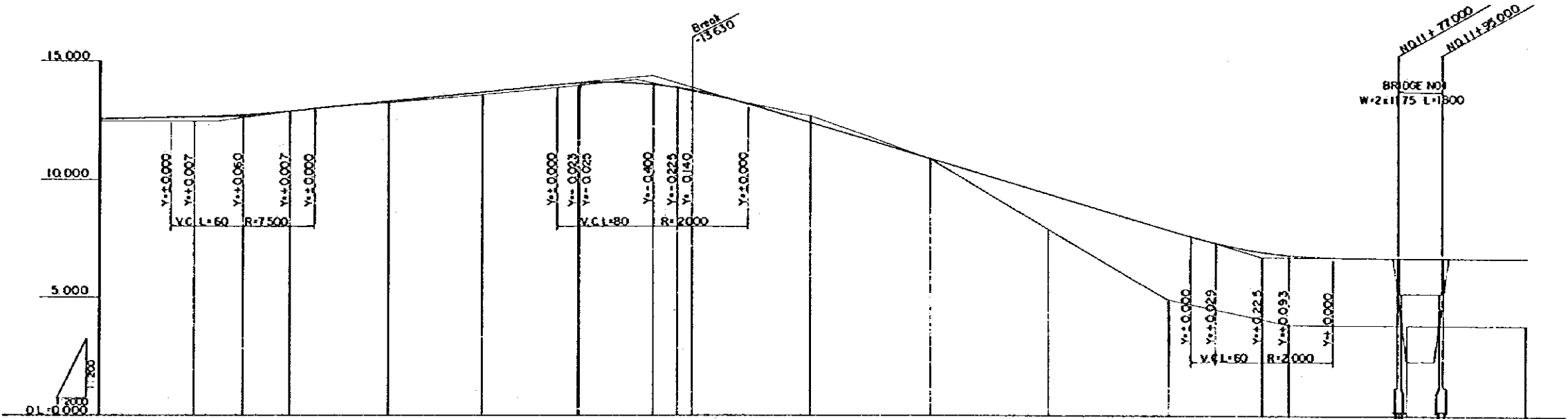
THE UNITED REPUBLIC OF TANZANIA
 BASIC DESIGN OF
 THE MOROGORO ROAD IMPROVEMENT PROJECT
 PLAN AND PROFILE
 DWG NO
 5-1
 1



PLAN 5:1=2000



PROFILE SV:1:200 SH:1:2000



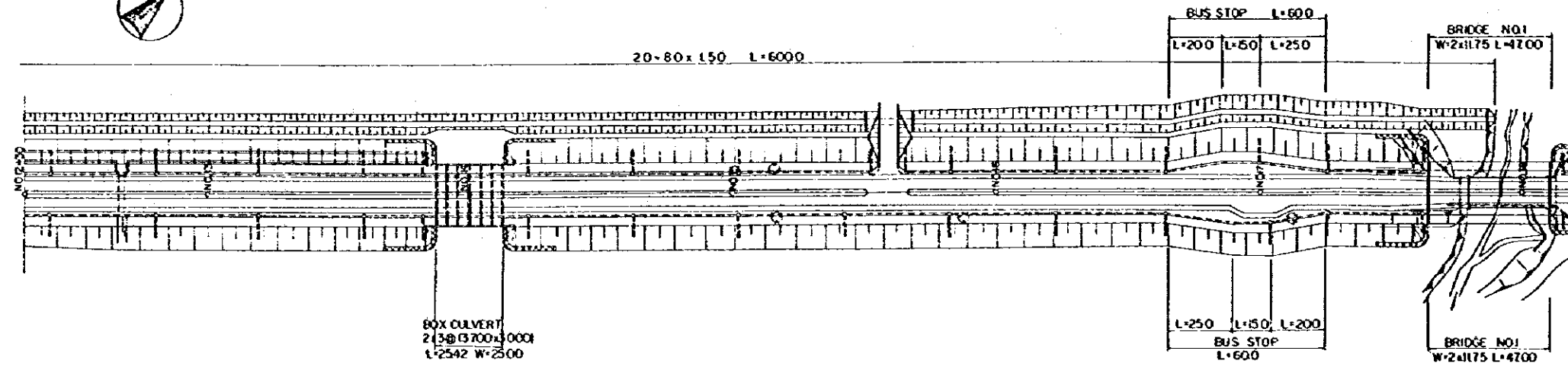
GRADIENT	1:0.200% L=30.00		1:1.000% L=170.00		1:3.000% L=255.567		LEVEL L=800.703	
CUR HEIGHT			0.021		0.321		0.001	
EMBANKMENT HEIGHT	0.060	0.167	0.077	0.030	0.030	0.035	0.035	1.629
PROPOSED HEIGHT	12.550	12.637	12.730	12.877	13.270	13.670	13.870	14.043
GROUND HEIGHT	12.49	12.47	12.80	13.24	13.64	13.79	13.76	13.279
RELATED DISTANCE	620.000	660.000	680.000	700.000	740.000	780.000	800.000	819.370
DISTANCE	0.000	40.000	20.000	20.000	40.000	40.000	20.000	20.000
STATION NO	N06+20	N06+60	N06+80	N07	N07+40	N07+80	N08	N08+20
CURVE BAND	TP2 1A:0° 5' 40"							

THE UNITED REPUBLIC OF TANZANIA
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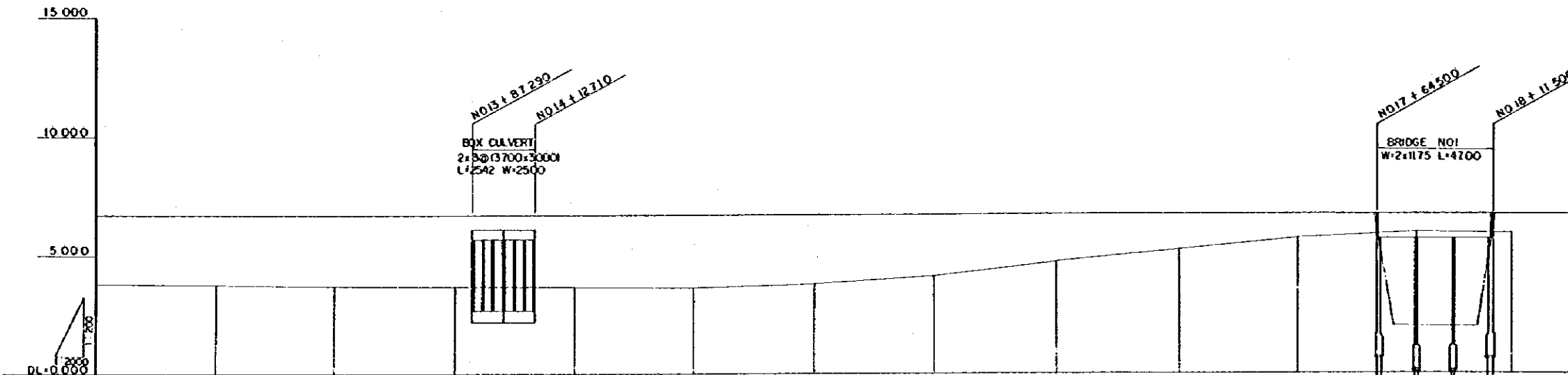
PLAN AND PROFILE	DWG NO
5 - 2	2



PLAN 5:1=2000



PROFILE SV:1:200 SH:1:2000

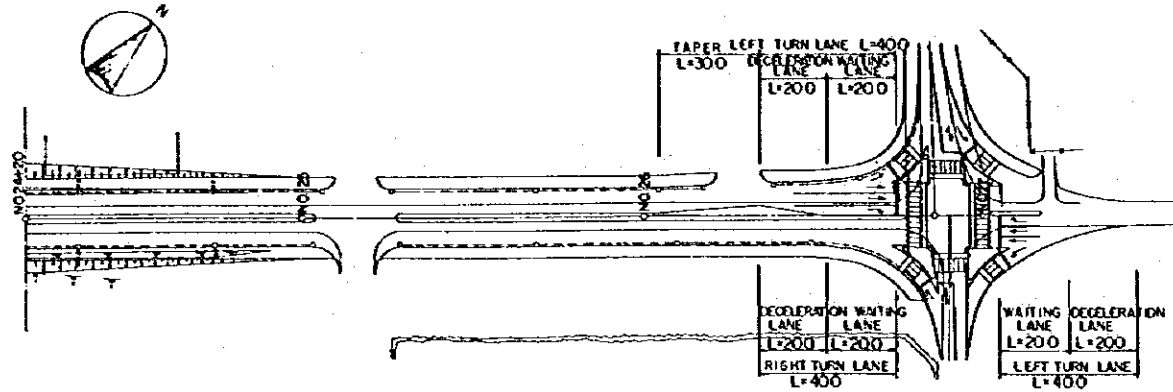


STATION NO.	0+00	0+10	0+20	0+30	0+40	0+50	0+60	0+70	0+80	0+90	0+100	0+110	0+120	0+130	0+140	0+150	0+160	0+170	0+180	0+190	0+200
GRADIENT	LEVEL																				
EUT HEIGHT																					
MEANMENT HEIGHT	2.860	2.910	2.970	2.940	3.010	3.050	2.820	2.550	1.910	1.460	0.990	0.710	0.780								
PROPOSED HEIGHT	6.700	6.700	6.700	6.700	6.700	6.700	6.700	6.700	6.700	6.700	6.700	6.700	6.700	6.700	6.700	6.700	6.700	6.700	6.700	6.700	6.700
GROUND HEIGHT	3.84	3.79	3.73	3.75	3.69	3.63	4.15	4.79	5.24	5.71	5.99	5.92									
CUMULATED DISTANCE	0.000	166.370	332.740	499.110	665.480	831.850	998.220	1164.590	1330.960	1497.330	1663.700	1830.070	1996.440	2162.810	2329.180	2495.550	2661.920	2828.290	2994.660	3161.030	3327.400
DISTANCE	0.000	166.370	332.740	499.110	665.480	831.850	998.220	1164.590	1330.960	1497.330	1663.700	1830.070	1996.440	2162.810	2329.180	2495.550	2661.920	2828.290	2994.660	3161.030	3327.400
CURVE BAND																					

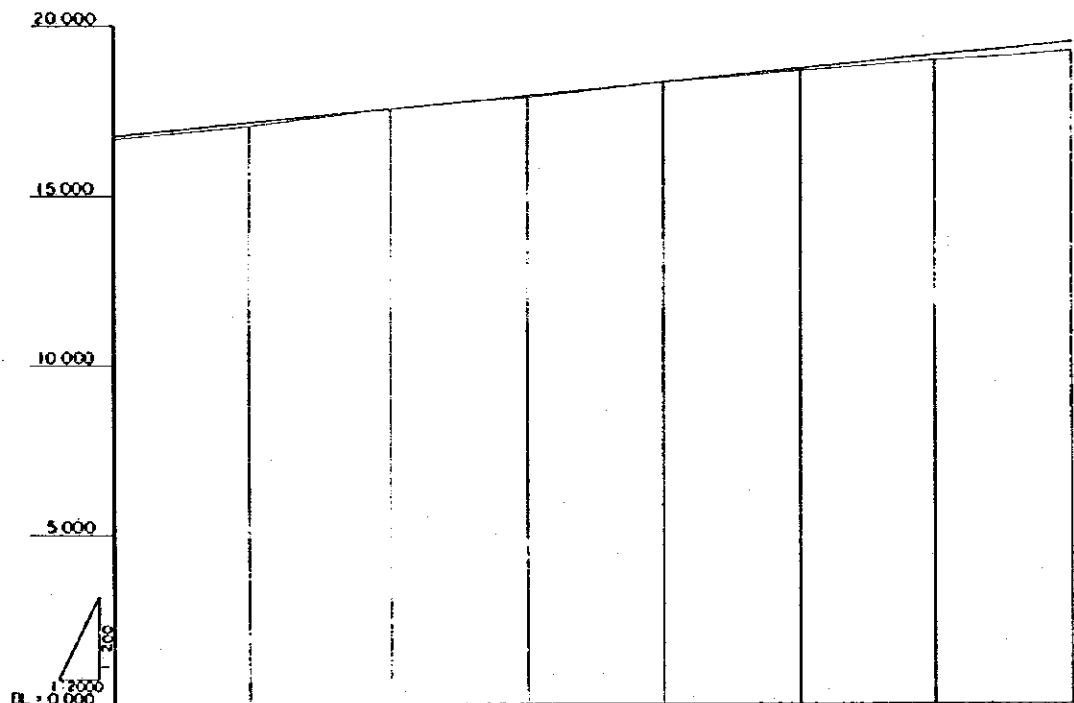
THE UNITED REPUBLIC OF TANZANIA
 BASIC DESIGN OF
 THE MOROGORO ROAD IMPROVEMENT PROJECT

PLAN AND PROFILE	DWG NO
5-3	3

PLAN S-1:2000



PROFILE SV:1:200
SH:1:2000



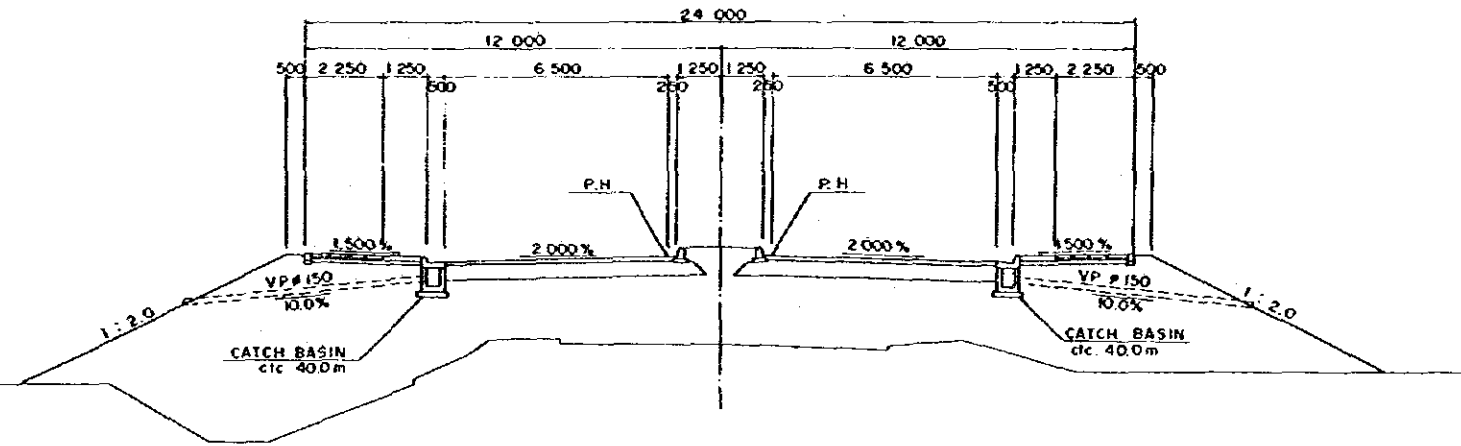
GRADIENT	1:0.940% L:340.00										18.336
CUT HEIGHT	0.012										
EMBANKMENT HEIGHT	0.094	0.080	0.026	0.032		0.024	0.120	0.226			
PROPOSED HEIGHT	16.704	17.080	17.456	17.832	18.208	18.584	18.960	19.336			
GROUND HEIGHT	16.61	17.00	17.43	17.80	18.22	18.56	18.84	19.11			
CALCULATED DISTANCE	2496.370	2496.370	2496.370	2526.370	2566.370	2596.370	2606.370	2646.370	2686.370		
DISTANCE	0.000	40.000	40.000	40.000	40.000	20.000	20.000	40.000	40.000		
STATION NO	+NO.24+00	+NO.24+40	+NO.25	+NO.25+40	+NO.25+80	+NO.26	+NO.26+20	+NO.26+60	+NO.27		
CURVE BAND											

THE UNITED REPUBLIC OF TANZANIA
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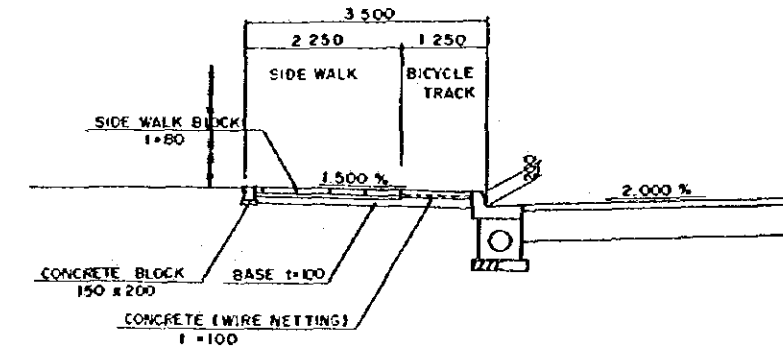
PLAN AND PROFILE	DWG NO
5 - 5	5

TYPICAL CROSS SECTION

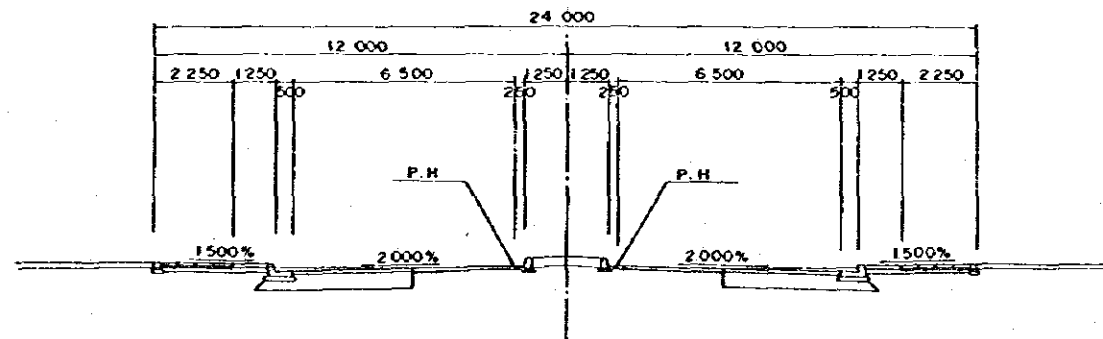
EMBANKMENT SECTION S = 1:200



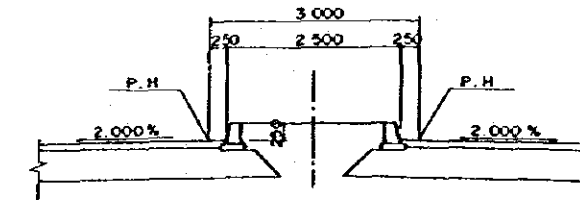
SIDE WALK & BIKE LANE S = 1:100



WIDENING SECTION S = 1:200



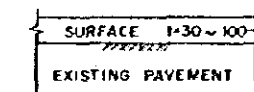
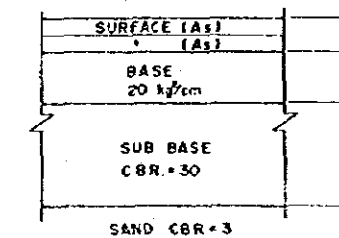
MEDIAN STRIP S = 1:100



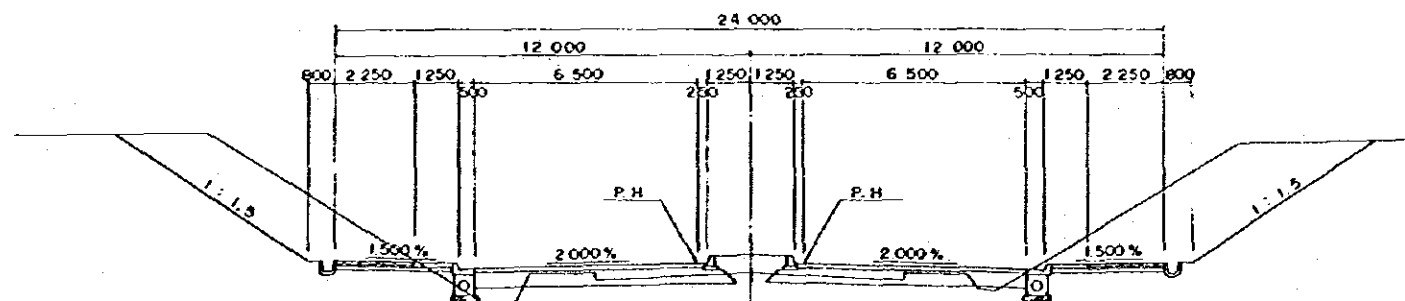
PAVEMENT S = 1:20

NEW CONSTRUCTION

OVERLAY

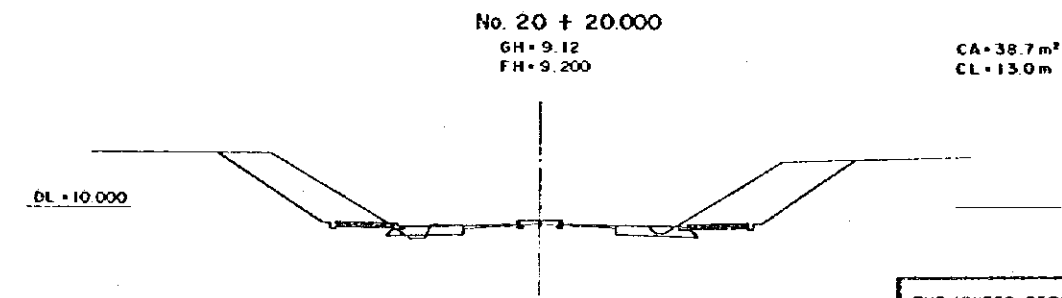
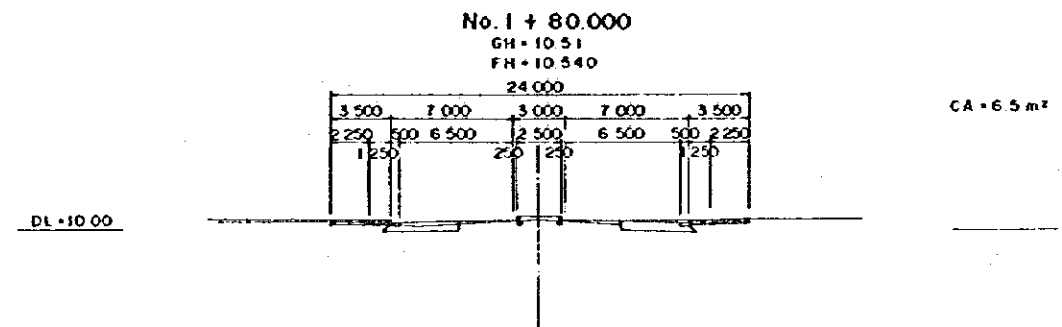
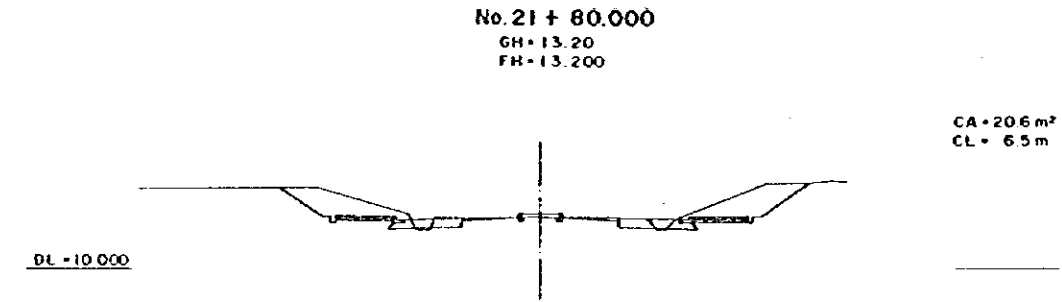
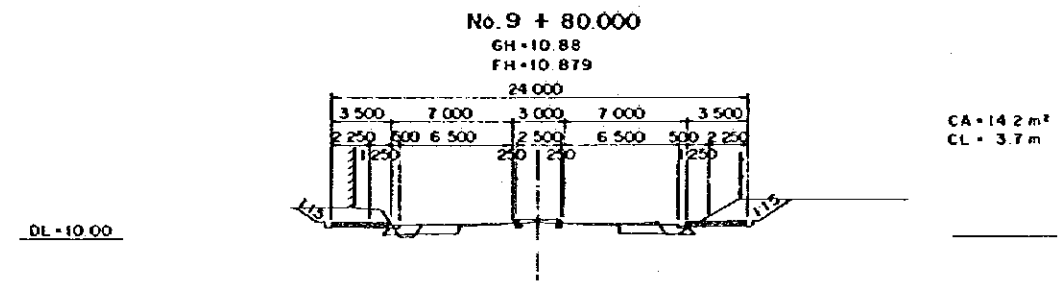
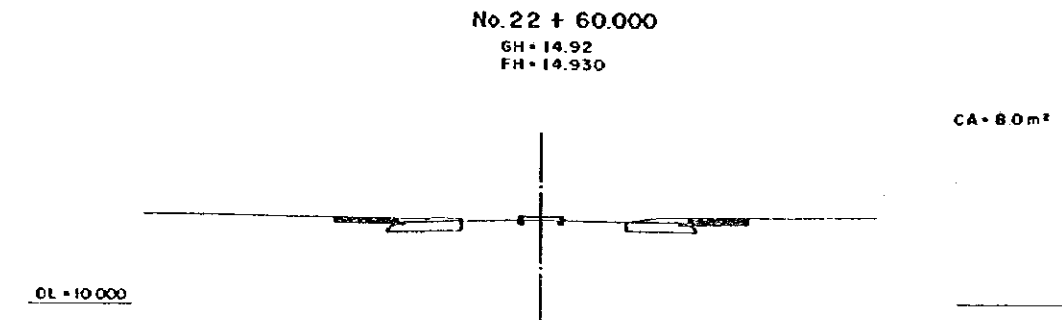
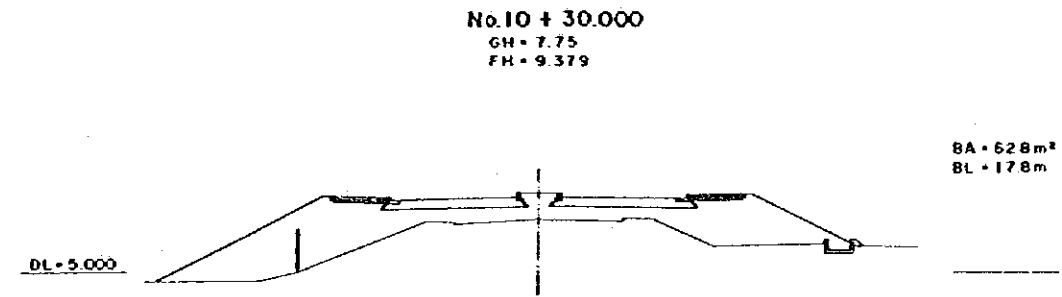
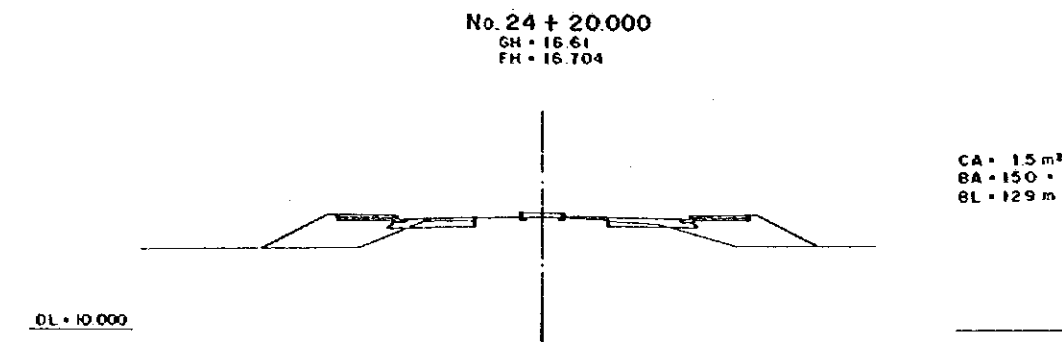
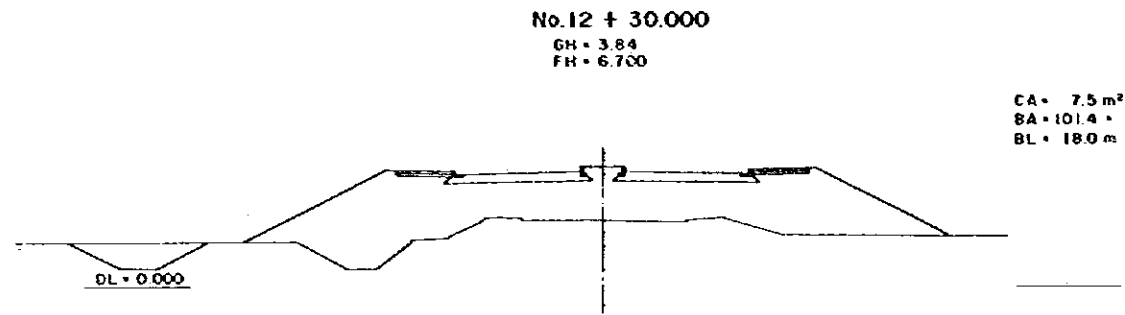


CUTTING SECTION S = 1:200



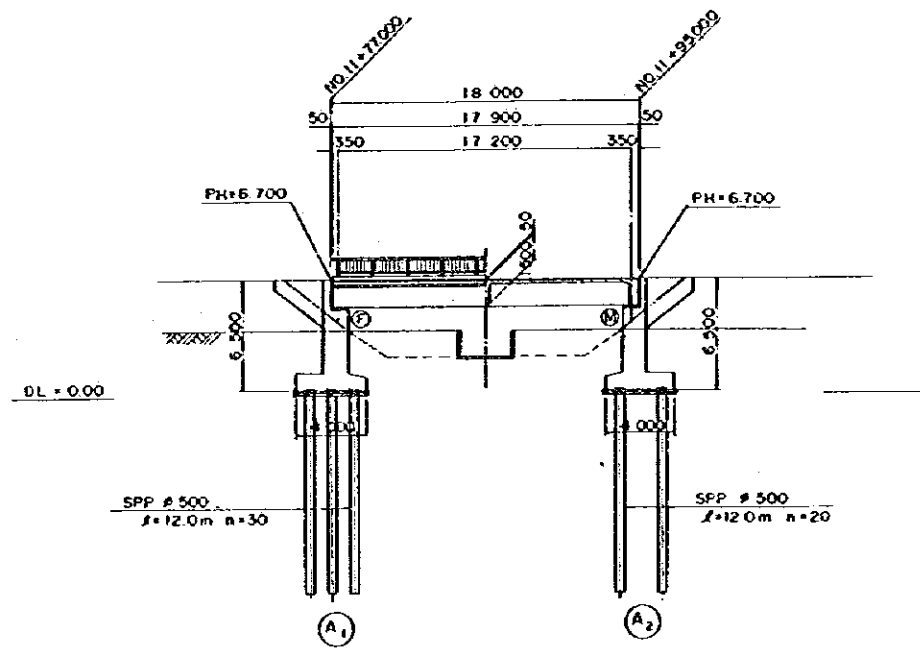
THE UNITED REPUBLIC OF TANZANIA BASIC DESIGN OF THE MOROGORO ROAD IMPROVEMENT PROJECT	
TYPICAL CROSS SECTION	DWG. NO. 6

CROSS SECTION S=1:400

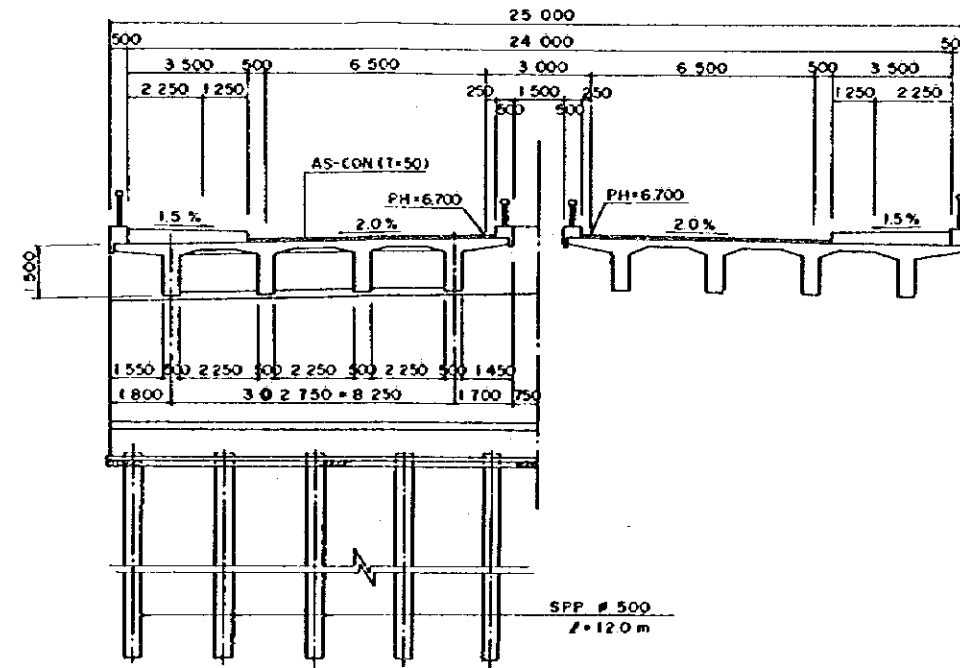


THE UNITED REPUBLIC OF TANZANIA BASIC DESIGN OF THE MOROGORO ROAD IMPROVEMENT PROJECT	
CROSS SECTION	DWG. NO. 7

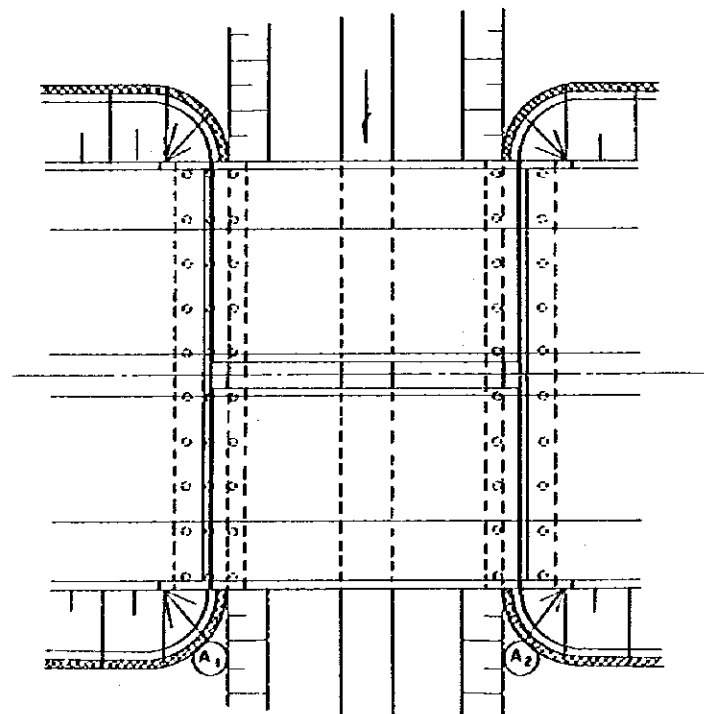
PROFILE S = 1 : 400



CROSS SECTION S = 1 : 200



PLAN S = 1 : 400



DESIGN CRITERIA

BRIDGE TYPE	RC T-BEAM	
BRIDGE LENGTH	18 000 M	
SPAN	17 200 M	
BRIDGE WIDTH	2 x 11 750 M	
ANGLE OF SKEW	90°	
LIVE LOAD	HA-LOAD, HB-LOAD	
SEISMIC COEFFICIENT	KH = 0.05	
FOUNDATION	STEEL PIPE PILE	
ALLOWABLE STRESSES OF MATERIALS	CONCRETE	SUPER-STRUCTURE 80 kg/cm ²
		SUB-STRUCTURE 70 kg/cm ²
	REINFORCING BAR	1 800 kg/cm ²

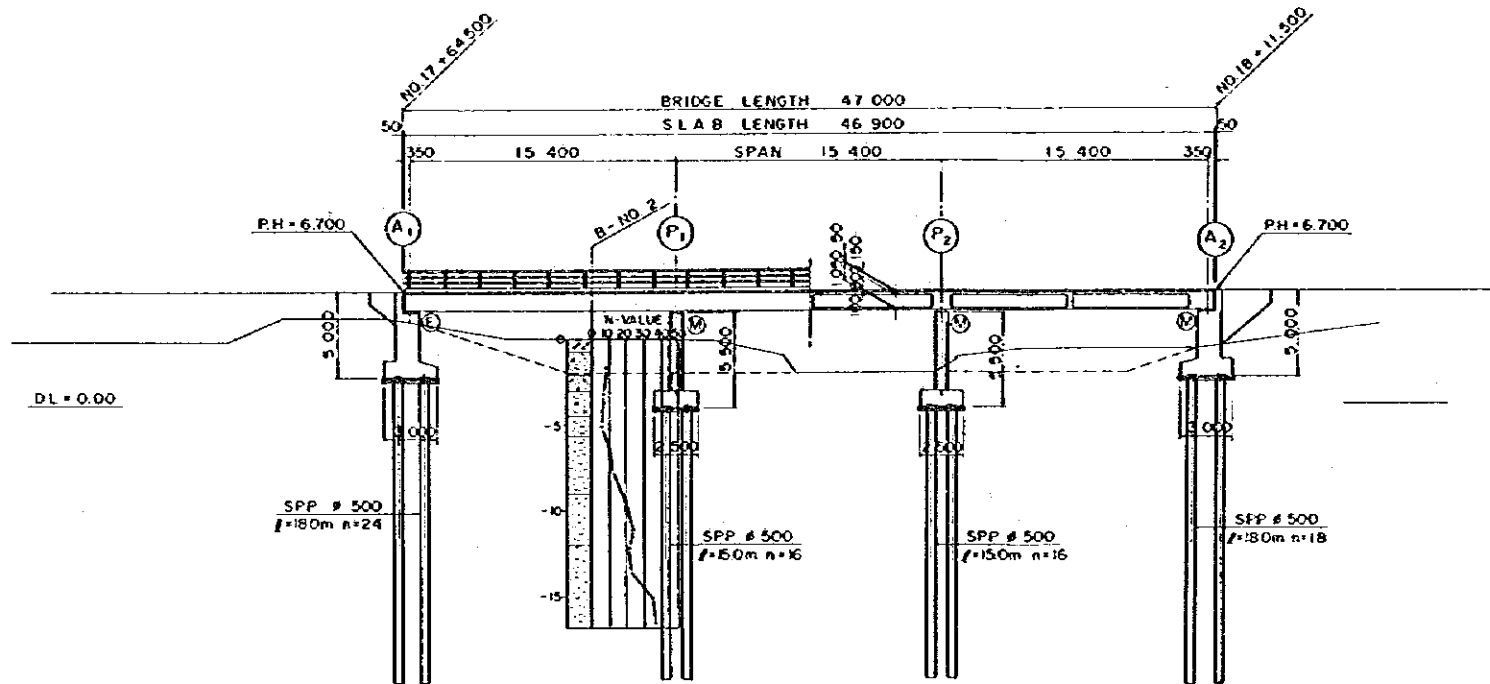
THE UNITED REPUBLIC OF TANZANIA
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BRIDGE NO.1

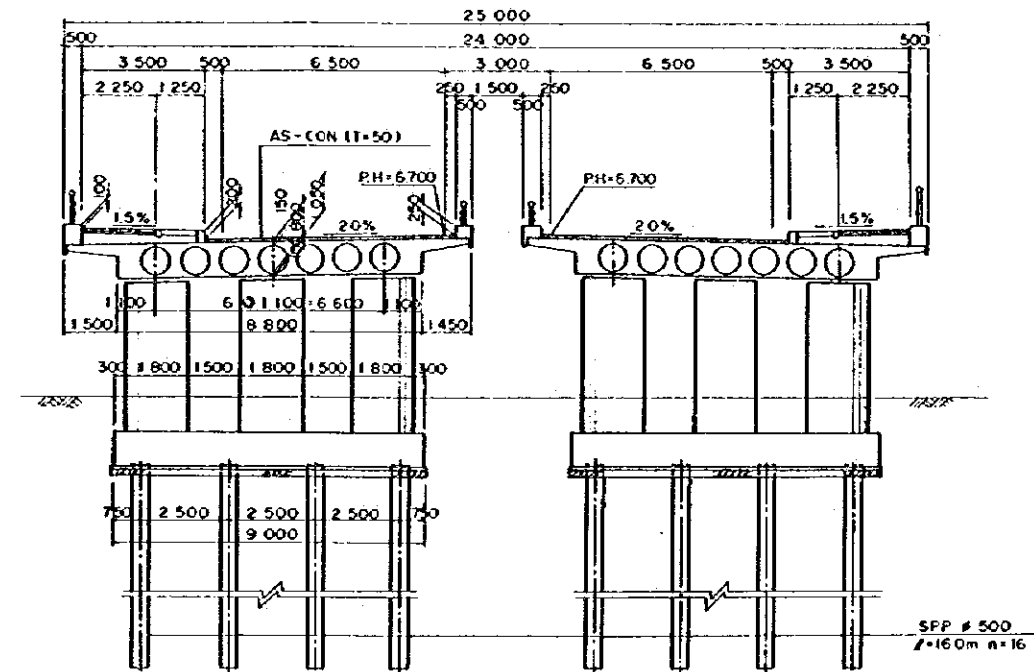
DWG. NO.

8

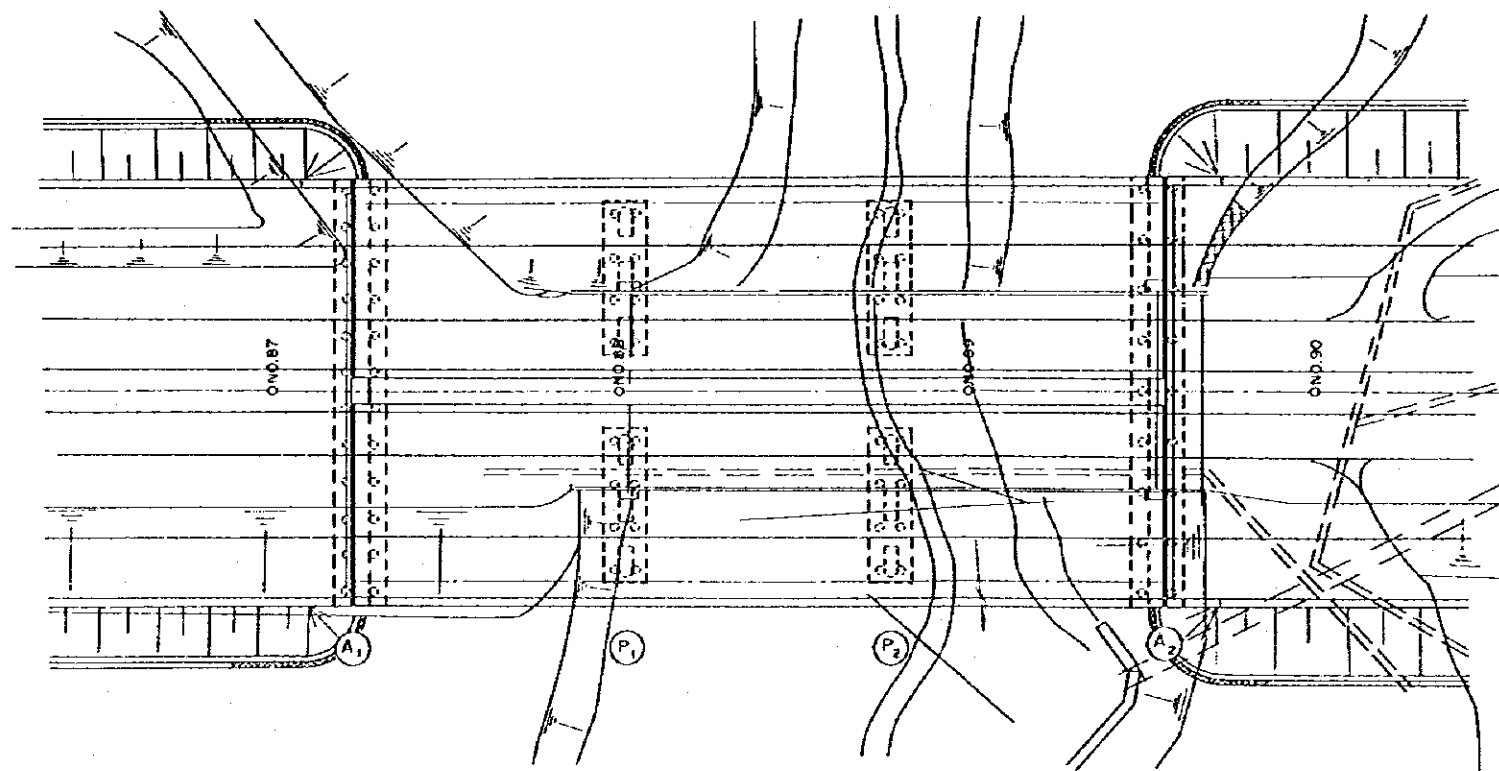
PROFILE S = 1:400



CROSS SECTION S = 1:200



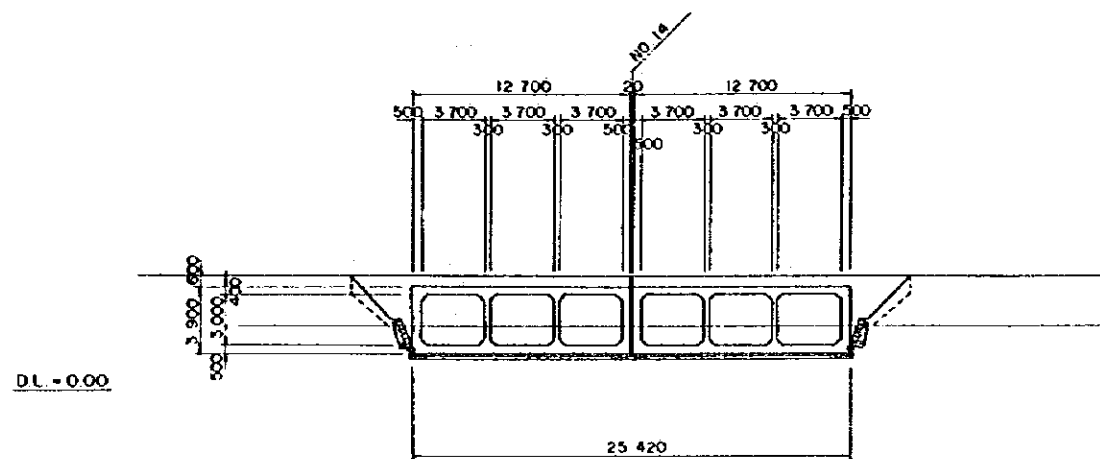
PLAN S = 1:400



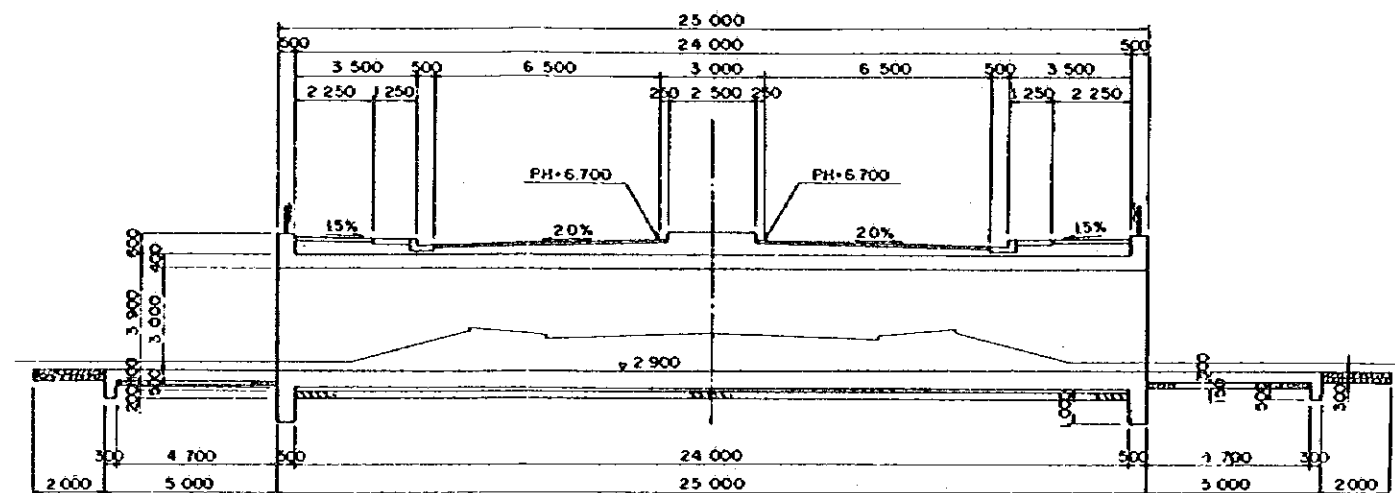
DESIGN CRITERIA

BRIDGE TYPE	RC HOLLOW SLAB	
BRIDGE LENGTH	47.000 M	
SPAN	3 x 15.400 M	
BRIDGE WIDTH	2 x 11.750 M	
ANGLE OF SKEW	90°	
LIVE LOAD	HA-LOAD, HB-LOAD	
SEISMIC COEFFICIENT	KH = 0.05	
FOUNDATION	STEEL PIPE PILE	
ALLOWABLE STRESSES OF MATERIALS	CONCRETE	SUPER-STRUCTURE 80 kg/cm ²
	REINFORCING BAR	SUB-STRUCTURE 70 kg/cm ²
		1 800 kg/cm ²

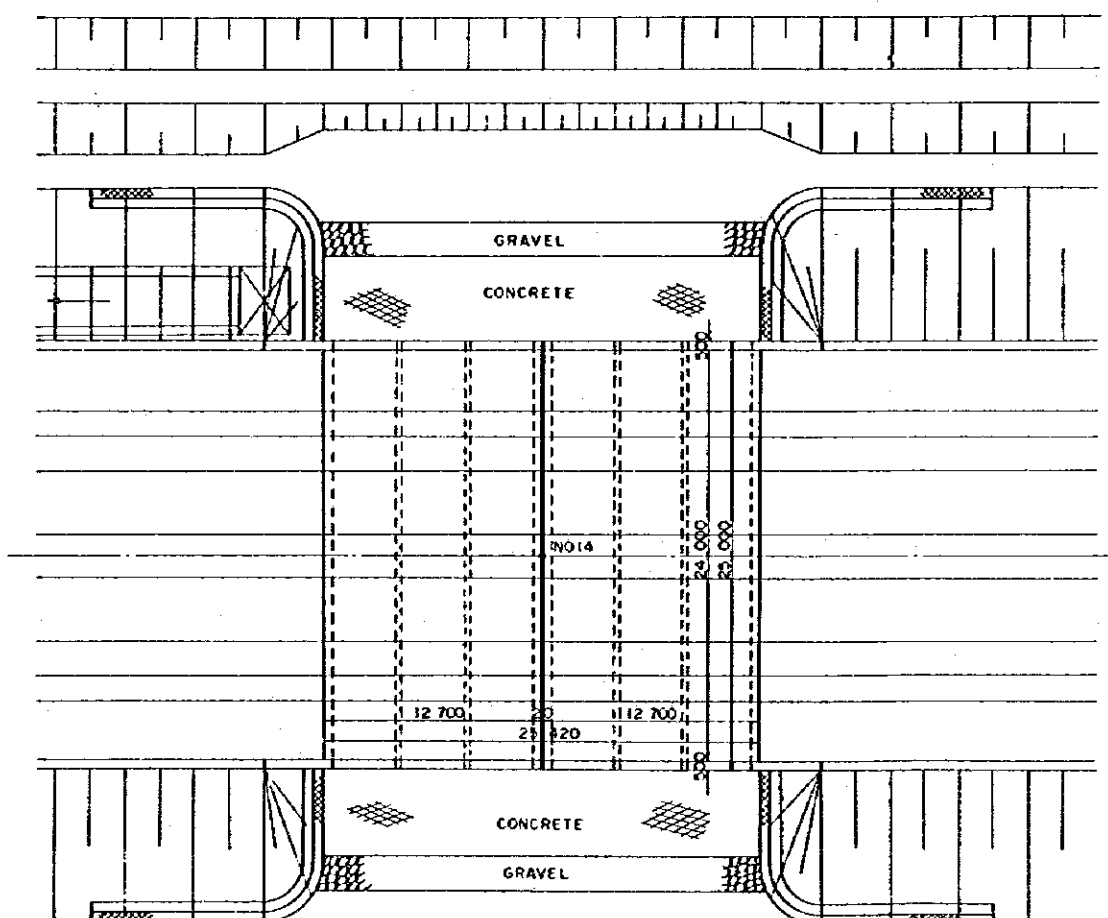
THE UNITED REPUBLIC OF TANZANIA BASIC DESIGN OF THE MOROGORO ROAD IMPROVEMENT PROJECT	
BRIDGE NO.2	DWG. NO. 9



PROFILE S = 1:400



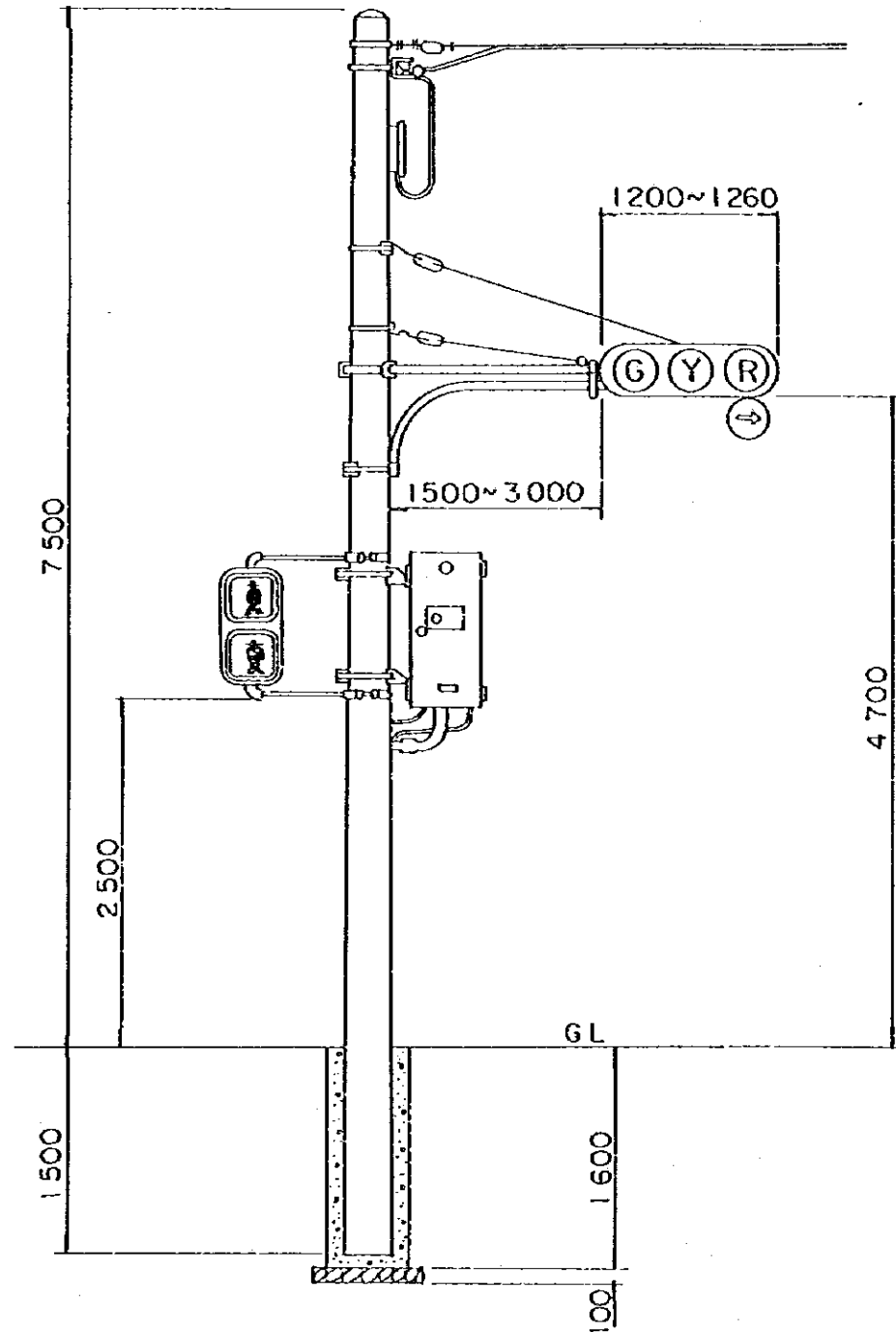
CROSS SECTION S = 1:200



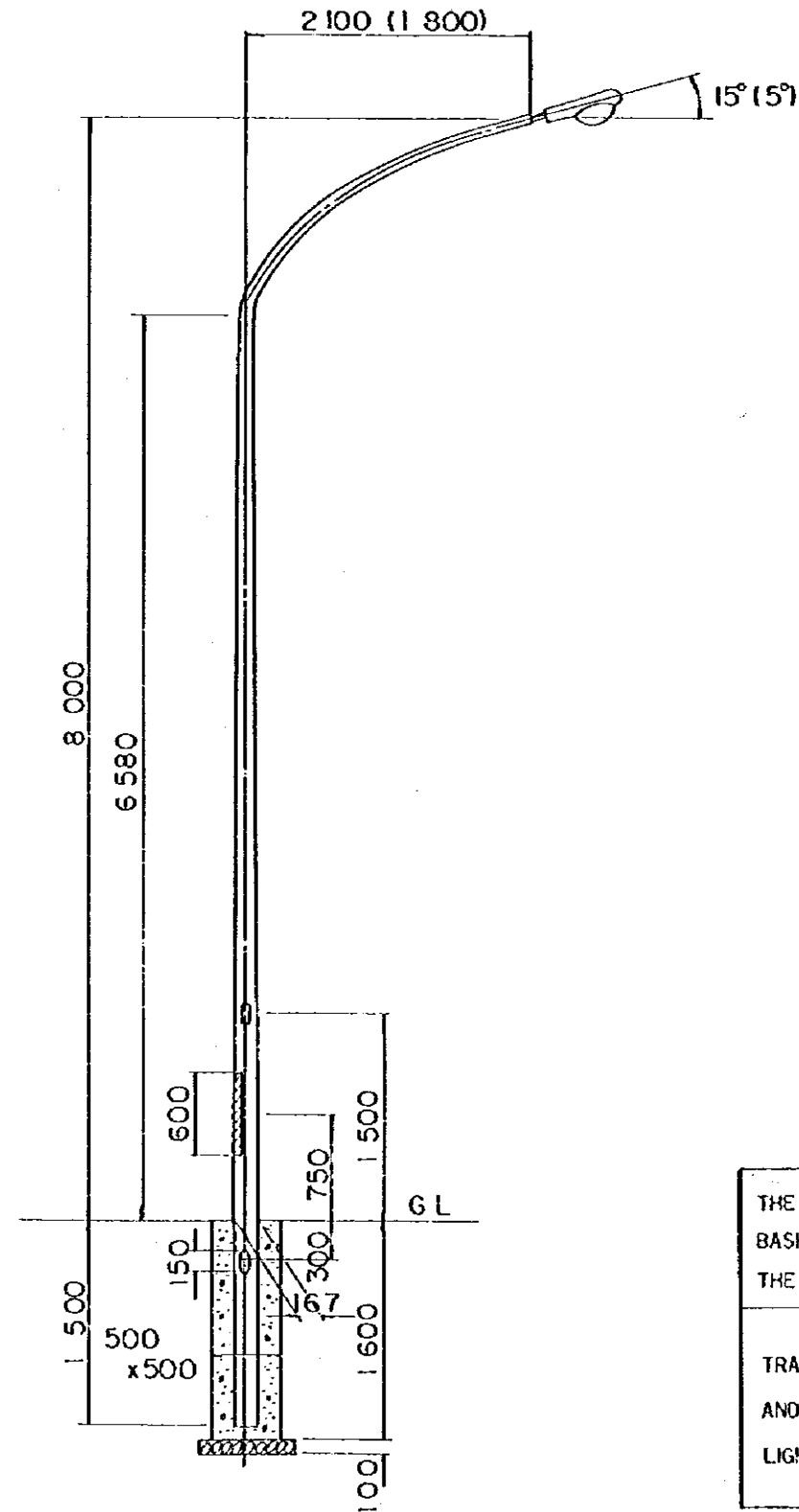
PLAN S = 1:400

THE UNITED REPUBLIC OF TANZANIA BASIC DESIGN OF THE MOROGORO ROAD IMPROVEMENT PROJECT	
BOX CULVERT	DWG. NO 10

TRAFFIC SIGNAL 1/50



LIGHTING POLE 1/50



THE UNITED REPUBLIC OF TANZANIA BASIC DESIGN OF THE MOROGORO ROAD IMPROVEMENT PROJECT	
TRAFFIC SIGNAL AND LIGHTING POLE	DWG NO 11

JICA