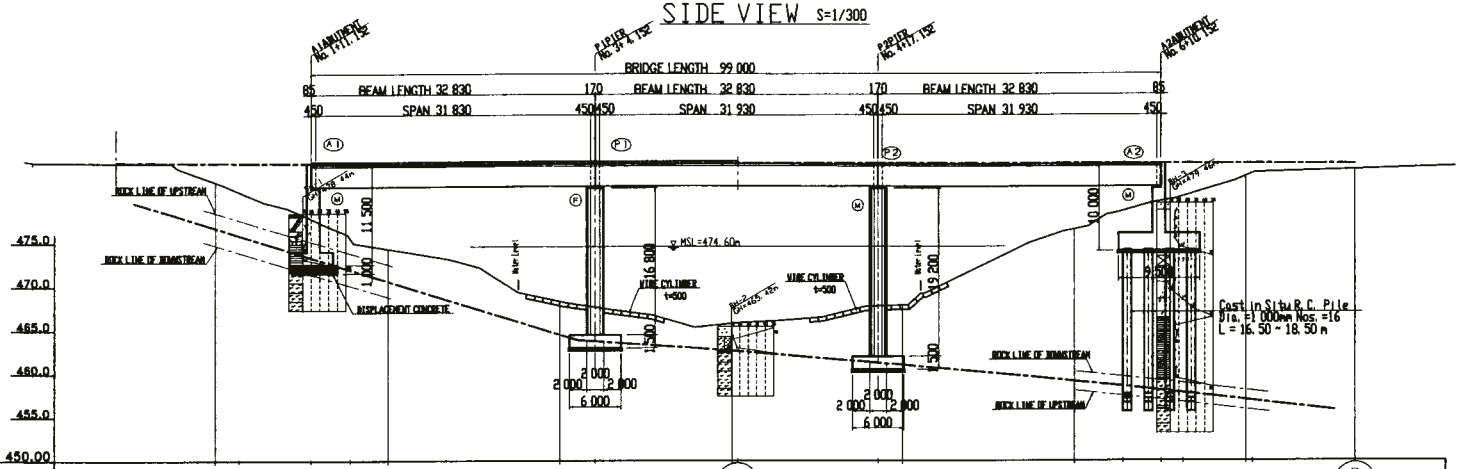
図　面　集

No. 93 GAMPORA BRIDGE GENERAL VIEW

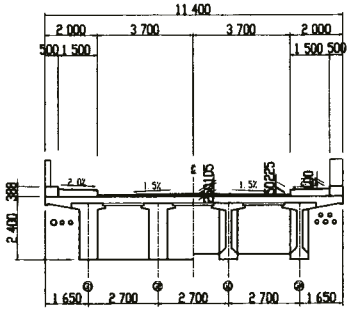
ガンポラ橋　一般図

SIDE VIEW S=1/300



GRADE	i = 0.300% L = 80.652m; 484.216; i = 0.300% L = 72.030m; 484.000; i = 1.043% L = 102.588m
PROPOSAL EL	484.034 484.042 484.068 484.081 484.093 484.134 484.139 484.149 484.149 484.139 484.136 484.097 484.081 484.068 484.068 484.047 484.047 484.067
GROUND EL	482.450 479.300 474.209 468.100 467.700 466.180 466.180 467.780 470.900 477.700 479.550 483.210 483.280
DISTANCE	20.000 22.760 31.152 35.652 40.000 60.000 64.152 80.000 80.652 97.152 100.000 120.000 125.652 130.152 132.682 140.000 140.730 152.682
SPAN	20.000 2.760 8.392 4.500 4.348 20.000 4.152 15.848 0.652 16.500 3.500 20.000 5.652 4.500 2.530 7.348 0.730 11.952
STATION	No. 1 +2.760 +11.152 +15.652 No. 2 No. 3 +4.152 No. 4 +0.652 +17.152 No. 5 No. 6 +5.652 +10.152 +12.682 No. 7 +0.730 +12.682
CURVE	IP No. 1 IA=52° 9' 43" R=25 IL=12.237 CL=22.760; R : ∞; IP No. 2 IA=4° 53' 42" R=200 IL=8.549 CL=17.087

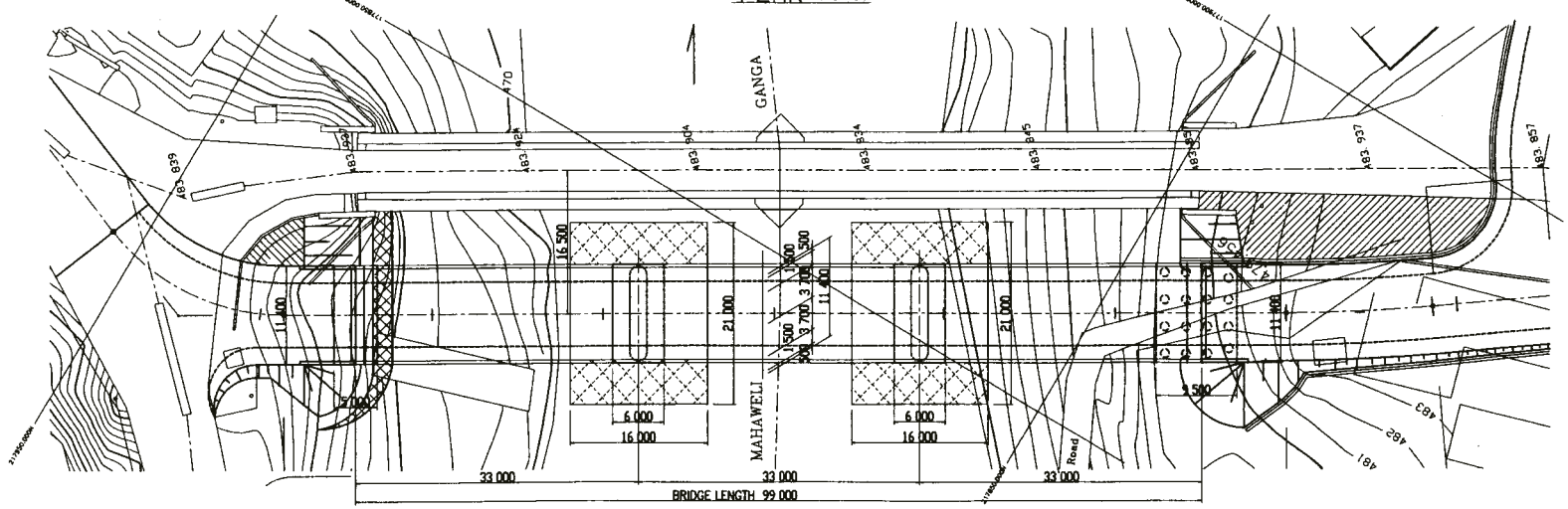
SUPERSTRUCTURE S=1/100



DESIGN CRITERIA

ROAD CLASSIFICATION		A
TIPE		3 SPAN COMBINED PC COMPOSITE GIRDER
BRIDGE LENGTH		99.000m
SPAN LENGTH		3 @ 32.000m
ROAD WIDTH		CARRIAGEWAY 7.400m, SIDE WALK 2@1.500m
PAVEMENT		ASPHALT CONCRETE t=50mm
LONGITUDINAL GRADIENT		AS SHOWN
CROSS SECTIONAL GRADIENT		AS SHOWN
DESIGN LIVE LOAD		TYPE B LIVE LOAD
SKEWED ANGLE		90° 00' 00"
DESIGN HORIZONTAL SEIEMIC INTENSITY		N. A
TIPE OF SUB STRUCTURE		A1, A2 : INVERTED T TYPE P1, P2 : WALL TYPE
TIPE OF SUB FOUNDATION		A1, P1, P2 : DIRECT A2 : BORED PILE
GEOLOGICAL CONDITION OF SUPPORT		GRANITE(SOFT~MEDIUM HARD ROCK)
SUPER STRUCTURE	CONCRETE	σck=30 N/mm²
	R-BAR	SD345
SUB STRUCTURE	CONCRETE	σck=24 N/mm²
	R-BAR	SD345
APPLIED STANDARD		「SPECIFICATION OF HIGHWAY SRIDGE」
		JAPAN ROAD ASSOCIATION (DEC.1996)

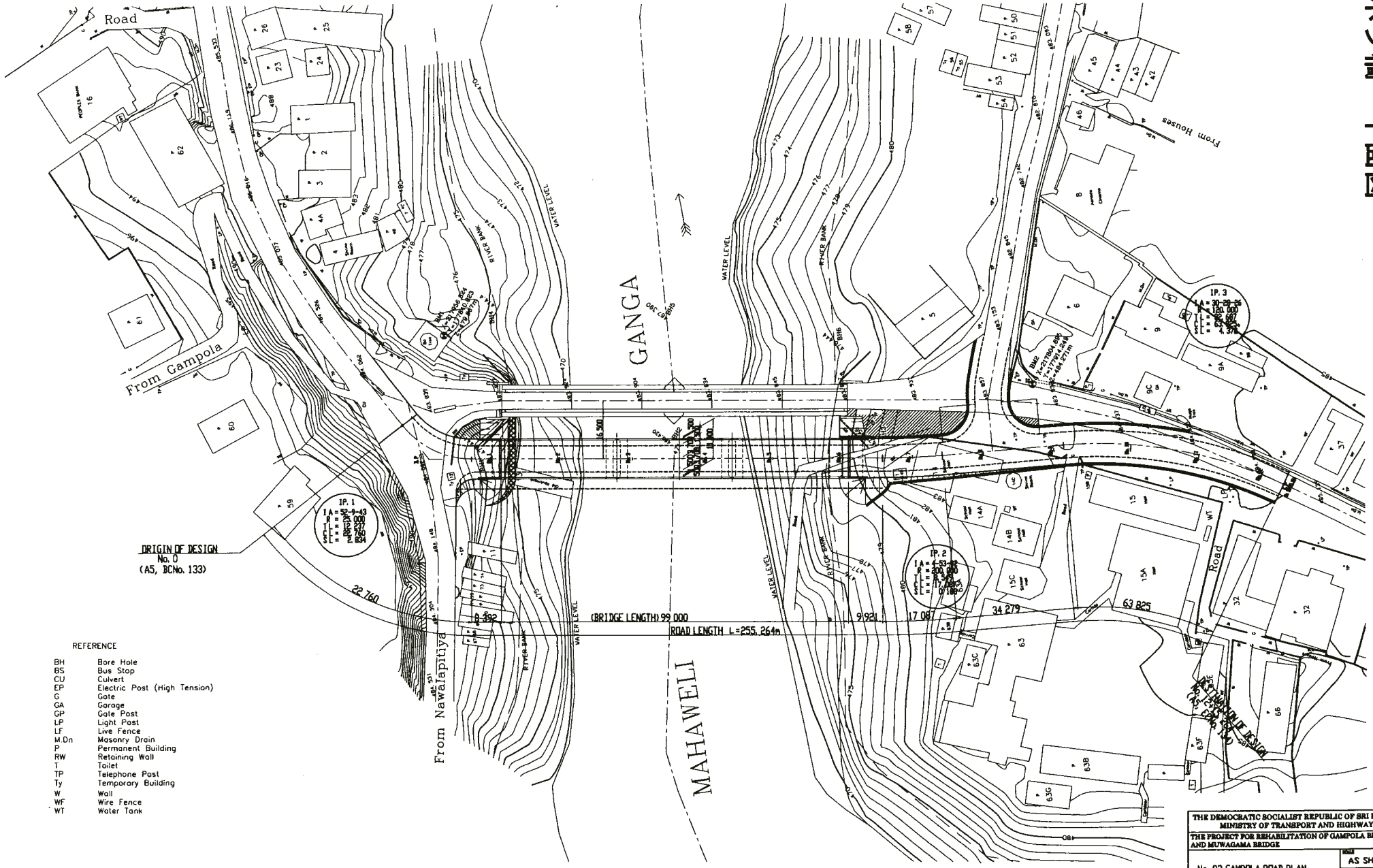
PLAN S=1/300



THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA MINISTRY OF TRANSPORT AND HIGHWAYS		
THE PROJECT FOR REHABILITATION OF GAMPOLA BRIDGE AND MUWAGAMA BRIDGE		
No. 93 GAMPOLA BRIDGE GENERAL VIEW	SCALE AS SHOWN	DRAWING No. 1
ORIENTAL CONSULTANTS COMPANY LIMITED		
DRAWN BY	CHECKED BY	PROJECT MANAGER	APPROVED BY

No. 93 GAMPOLA ROAD PLAN S=1/500

ガンポラ橋　平面図



REFERENCE

BH	Bore Hole
BS	Bus Stop
CU	Culvert
EP	Electric Post (High Tension)
G	Gate
GA	Garage
GP	Gate Post
LP	Light Post
LF	Live Fence
M.Dn	Masonry Drain
P	Permanent Building
RW	Retaining Wall
T	Toilet
TP	Telephone Post
Ty	Temporary Building
W	Wall
WF	Wire Fence
WT	Water Tank

THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
MINISTRY OF TRANSPORT AND HIGHWAYS

THE PROJECT FOR REHABILITATION OF GAMPOLA BRIDGE AND MUWAGAMA BRIDGE

No. 93 GAMPOLA ROAD PLAN

SCALE: AS SHOWN

DRAWING No. 1

ORIENTAL CONSULTANTS COMPANY LIMITED

No. 93 GAMPOLA LAYOUT OF CONSTRUCTION YARD S=1/500

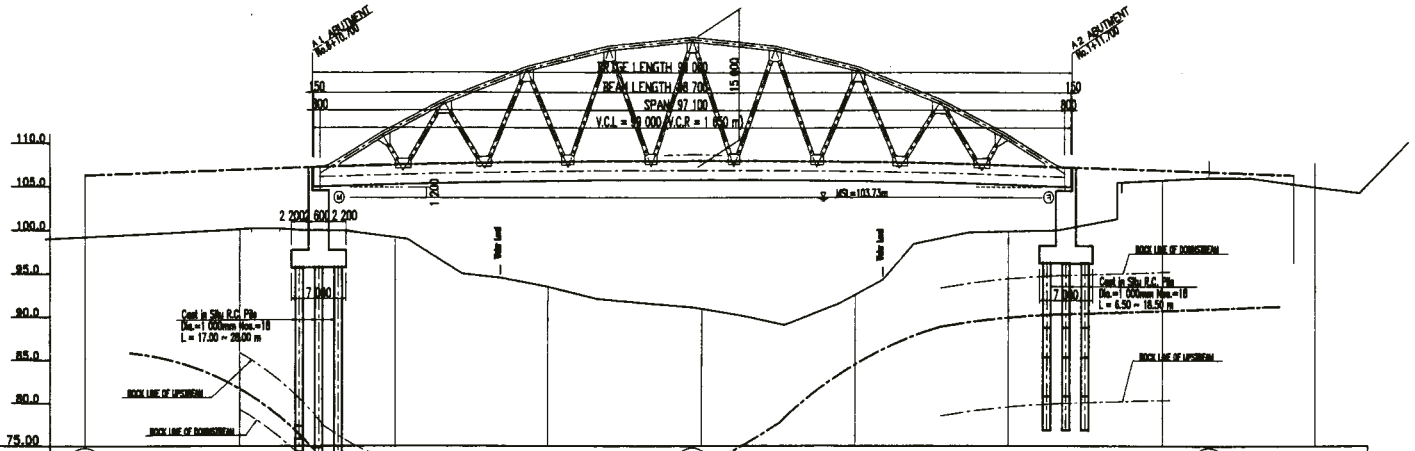
ガンポラ橋　用地図

REFERENCE

BH	Bore Hole
BS	Bus Stop
CU	Culvert
EP	Electric Post (High Tension)
G	Gate
GA	Garage
GP	Gate Post
LP	Light Post
LF	Live Fence
M.Dn	Masonry Drain
P	Permanent Building
RW	Retaining Wall
T	Toilet
TP	Telephone Post
Ty	Temporary Building
W	Wall
WF	Wire Fence
WT	Water Tank

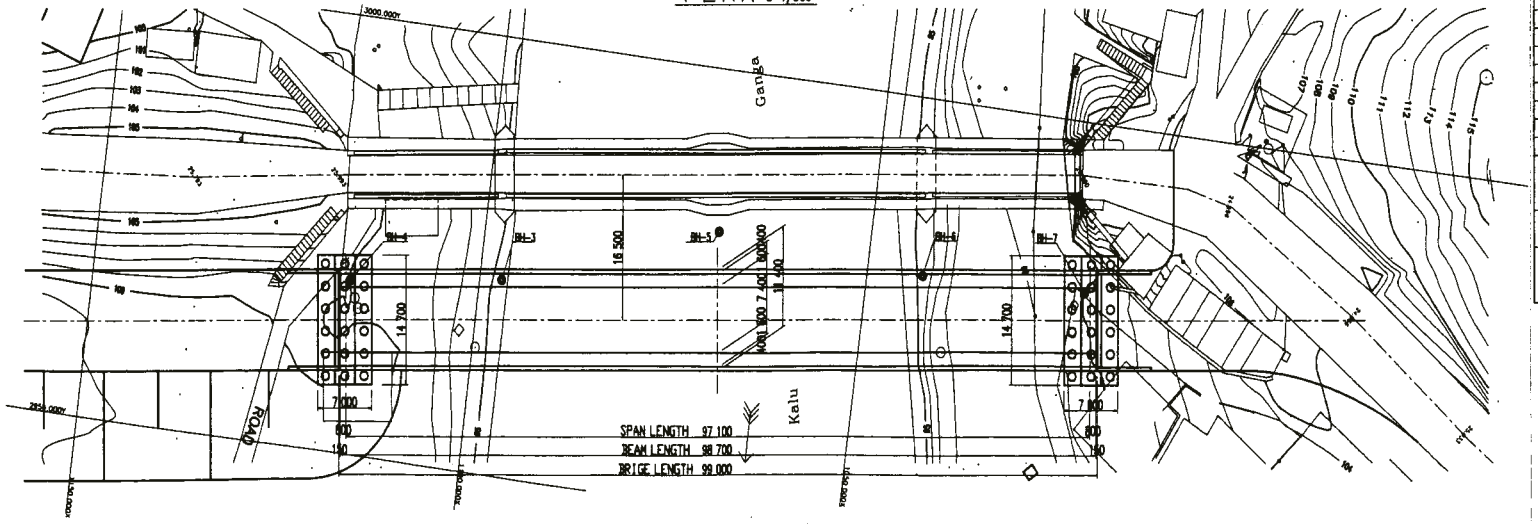
No.239 MUWAGAMA BRIDGE GENERAL VIEW

SIDE VIEW S=1/300

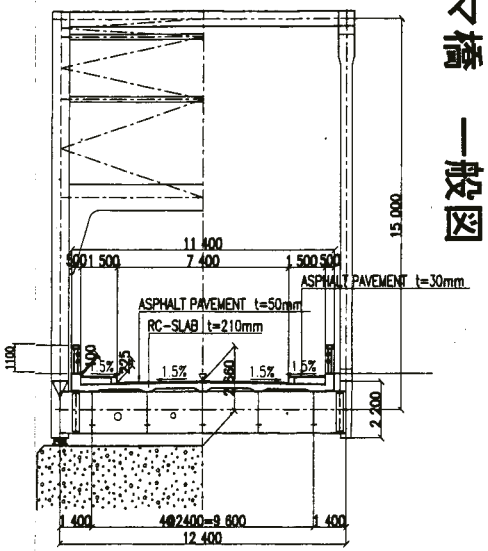


GRADE	106.336					106.700					106.679	
PROPOSAL EL	106.336	106.936	107.215	107.501	107.850	107.957	107.957	107.821	107.413	107.215	106.864	106.679	105.000
GROUND EL	99.220	100.120	100.000	99.180	93.480	90.920	92.580	99.840	100.330	105.740	106.000	105.000
DISTANCE	160.000	140.000	130.700	120.000	100.000	81.200	80.000	60.000	40.000	31.700	20.000	13.840	0.000
SPAN	20.000	9.300	10.700	20.000	18.800	1.200	20.000	20.000	8.300	11.700	6.160	13.840	0.000
STATION	No.8	No.7	No.6 +10.700	No.6	No.5	+1.200 No.4	No.3	No.2	No.1 +11.700	No.1	No.0 +13.840	No.0
CURVE	R = ∞											

PLAN S=1/300



SUPER STRUCTURE S=1/100



DESIGN CRITERIA

ROAD CLASSIFICATION		B
TIPE		TRUSSED LANGER
BRIDGE LENGTH		99.000m
SPAN LENGTH		97.1000m
ROAD WIDTH		CARRIAGEWAY 7.400m,SIDE WALK 2@1.500m
PAVEMENT		ASPHALT CONCRETE t=50mm
SLAB		RC-SLAB t=210mm
LONGITUDINAL GRADIENT		AS SHOWN
CROSS SECTIONAL GRADIENT		AS SHOWN
DESIGN LIVE LOAD		TYPE B LIVE LOAD
SKEWED ANGLE		90° 00' 00"
DESIGN HORIZONTAL SEISMIC INTENSITY		N. A
TIPE OF SUB STRUCTURE		A1, A2 : INVERTED T TYPE
TIPE OF SUB FOUNDATION		A1, A2 : BORED PILE
GEOLOGICAL CONDITION OF SUPPORT		GNEISS(SOFT~MEDIUM HARD ROCK)
SUPER STRUCTURE	CONCRETE	σck=24 N/mm²
	STEEL	SM400, SM490Y
	R-BAR	SD345
SUB STRUCTURE	CONCRETE	σck=24 N/mm²
	R-BAR	SD345
APPLIED STANDARD		(SPECIFICATION OF HIGHWAY BRIDGE) JAPAN ROAD ASSOCIATION (DEC.1996)

THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
MINISTRY OF TRANSPORT AND HIGHWAYS

THE PROJECT FOR REHABILITATION OF GAMPOLA BRIDGE AND MUWAGAMA BRIDGE

NO.239 MUWAGAMA BRIDGE GENERAL VIEW

SCALE: AS SHOWN

DRAWING No.: 1

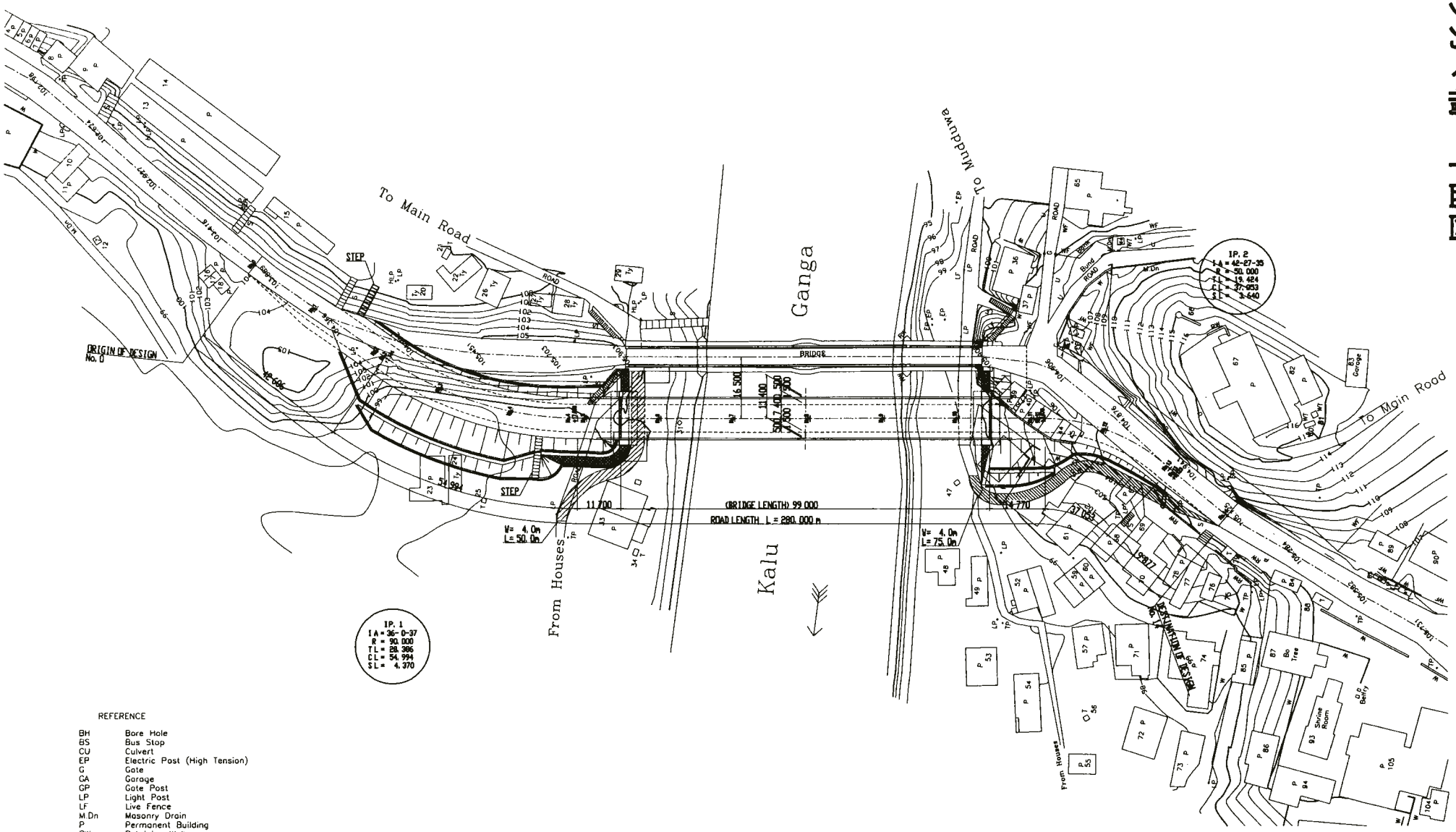
ORIENTAL CONSULTANTS COMPANY LIMITED

DRAWN BY | DESIGNED BY | PROJECT MANAGER | APPROVED BY

ムワガマ橋 一般図

No. 239 MUWAGAMA ROAD PLAN S=1/500

ムワガマ橋　平面図



REFERENCE

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EP	Electric Post (High Tension)
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LP	Light Post
LF	Live Fence
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T	Toilet
TP	Telephone Post
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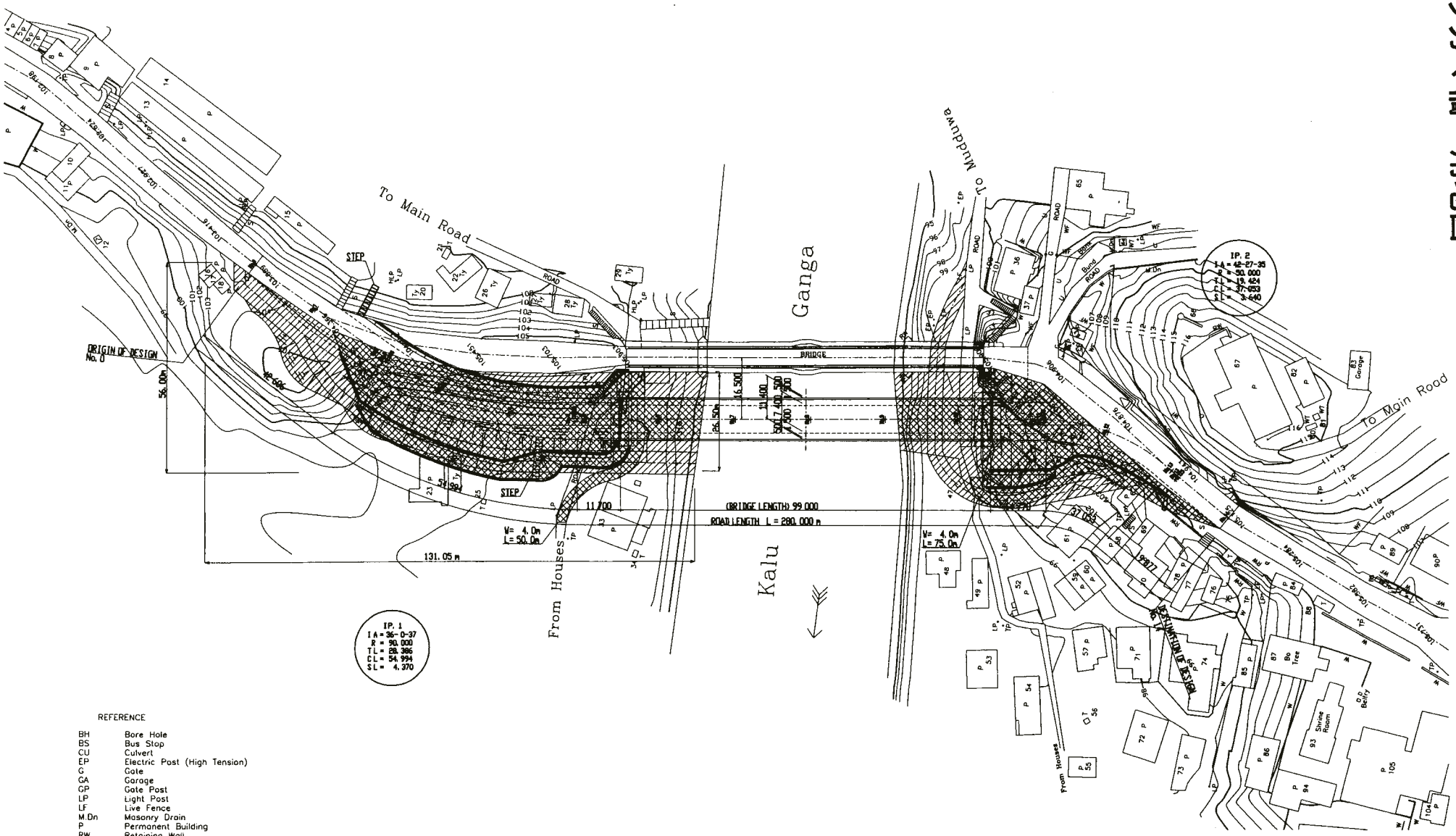
W	Wall
WF	Wire Fence
WT	Water Tank

THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA MINISTRY OF TRANSPORT AND HIGHWAYS			
THE PROJECT FOR REHABILITATION OF GAMPOLA BRIDGE AND MUWAGAMA BRIDGE			
No. 239 MUWAGAMA ROAD PLAN		SCALE 1 / 500	
		DRAWING No. 1	
ORIENTAL CONSULTANTS COMPANY LIMITED			
DRAWN BY	DESIGNED BY	PROJECT MANAGER	APPROVED BY

No. 239 MUWAGAMA LAYOUT OF CONSTRUCTION YARD S=1/500

ムワガマ橋　用地図



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WT	Water Tank

Permanent

Temporary

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THE PROJECT FOR REHABILITATION OF GAMPOLA BRIDGE AND MUWAGAMA BRIDGE	
No. 239 MUWAGAMA LAYOUT OF CONSTRUCTION YARD	SCALE 1 / 500 Drawing No. 1
ORIENTAL CONSULTANTS COMPANY LIMITED	