SOCIALIST REPUBLIC OF VIETNAM
THE FEASIBILITY STUDY OF NEW CBD FOR HANOI CITY

TITLE OF DRAWING	ORIGINAL SCALE	DWG. No.
TYPICAL INTERSECTION(1/2) TYPE-A AND TYPE-B,C ROADS	1:1000	63

HALF SECTION SHOWS
SIDE WALK
NON - MOTORIZED LANE
SPARATE STRIP
MOTORIZED LANE
MEDIAN STRIP

HALF SECTION SHOWS
SIDE WALK
NON - MOTORIZED LANE
SPARATE STRIP
MOTORIZED LANE
BUS BAY/SPARATE STRIP
BUS LANE

INTERSECTION OF
TYPE-A AND TYPE-B ROADS

HALF SECTION SHOWS
SIDE WALK
PARKING LANE
NON - MOTORIZED LANE
SPARATE STRIP
MOTORIZED LANE
MEDIAN STRIP

INTERSECTION OF
TYPE-A AND TYPE-C ROADS

SCALE
0 10 20 30 40 50m

SOCIALIST REPUBLIC OF VIETNAM
THE FEASIBILITY STUDY OF NEW CBD FOR HANOI CITY

TITLE OF DRAWING	ORIGINAL SCALE	DWG. No.
TYPICAL INTERSECTION(2/2) TYPE--A AND TYPE--D,E ROADS	1:1000	64

HALF SECTION SHOWS
- SIDE WALK
- NON - MOTORIZED LANE
- SPARATE STRIP
- MOTORIZED LANE
- BUS BAY/SPARATE STRIP
- BUS LANE

HALF SECTION SHOWS
- SIDE WALK
- PARKING LANE
- NON -- MOTORIZED LANE
- SPARATE STRIP
- MOTORIZED LANE
- MEDIAN STRIP

INTERSECTION OF
TYPE--A AND TYPE--D ROADS

HALF SECTION SHOWS
- SIDE WALK
- PARKING LANE
- MOTORIZED AND NON-MOTORIZED LANE

INTERSECTION OF
TYPE--A AND TYPE--E ROADS

SCALE
0 10 20 30 40 50m

SOCIALIST REPUBLIC OF VIET NAM

THE FEASIBILITY OF NEW CBD FOR HANOI CITY

TITLE OF DRAWING	ORIGINAL SCALE	DWG. No
Quantity of Aterial Road And Collector Road	AS SHOWN	65

Work Items	Unit	Arterial Road No.1					Arterial Road No.2				
		Arterial Road		First Stage	Second Stage	Third Stage	Arterial Road		First Stage	Second Stage	Third Stage
		Quantity	Length(m)				Quantity	Length(m)			
Clearing & Grubbing	SQM/M	70.50	1,800	1,800	0	0	61.50	2,246.34	1,243.82	1,002.52	0
Embankment	CM/M	69.00	1,800	1,800	0	0	60.00	2,246.34	1,243.82	1,002.52	0
Subgrade Preparation	SQM/M	76.50	1,800	1,800	0	0	58.50	2,246.34	1,243.82	1,002.52	0
Subbase Course	CM/M	16.59	1,800	1,800	0	0	13.68	2,246.34	1,243.82	1,002.52	0
Base Couse	CM/M	15.03	1,800	1,800	0	0	10.35	2,246.34	1,243.82	1,002.52	0
Prim Coat	TONE/M	0.056	1,800	1,800	0	0	0.045	2,246.34	1,243.82	1,002.52	0
Tack Coat	TONE/M	0.019	1,800	1,800	0	0	0.015	2,246.34	1,243.82	1,002.52	0
Asphalt Concrete	TONE/M	11.70	1,800	1,800	0	0	9.52	2,246.34	1,243.82	1,002.52	0
Center Median	CM/M	2.00	1,800	1,800	0	0	1.50	2,246.34	1,243.82	1,002.52	0
Separate Strip	CM/M	3.00	1,800	1,800	0	0	3.00	2,246.34	1,243.82	1,002.52	0
Curb & Gutter	LM/M	10.00	1,800	1,800	0	0	10.00	2,246.34	1,243.82	1,002.52	0
Sidewalk	SQM/M	14.00	1,800	1,800	0	0	14.00	2,246.34	1,243.82	1,002.52	0
Drainage	LM/M	2.00	1,800	1,800	0	0	2.00	2,246.34	1,243.82	1,002.52	0
Catch Basin	EACH	152					188				
Road Safety Devices	LM/M	1.00	1,800	1,800	0	0	1.00	2,246.34	1,243.82	1,002.52	0
Plantation	SQM/M	4.00	1,800	1,800	0	0	5.00	2,246.34	1,243.82	1,002.52	0
Boundary Block	LM/M	2.00	1,800	1,800	0	0	2.00	2,246.34	1,243.82	1,002.52	0

Work Items	Unit	Collector Road No.1					Collector Road No.2					Collector Road No.3				
		Collector Road		First Stage	Second Stage	Third Stage	Collector Road		First Stage	Second Stage	Third Stage	Collector Road		First Stage	Second Stage	Third Stage
		Quantity	Length(m)				Quantity	Length(m)				Quantity	Length(m)			
Clearing & Grubbing	SQM/M	48.00	9,656.45	5,225.71	1,233.95	3,196.79	43.00	6,370.85	2,285.24	2,858.82	1,541.79	35.00	12,329.92	3,767.32	4,726.52	3,836.08
Embankment	CM/M	46.50	9,656.45	5,225.71	1,233.95	3,196.79	41.50	6,370.85	2,285.24	2,858.82	1,541.79	33.50	12,329.92	3,767.32	4,726.52	3,836.08
Subgrade Preparation	SQM/M	45.00	9,656.45	5,225.71	1,233.95	3,196.79	37.00	6,370.85	2,285.24	2,858.82	1,541.79	33.00	12,329.92	3,767.32	4,726.52	3,836.08
Subbase Course	CM/M	10.44	9,656.45	5,225.71	1,233.95	3,196.79	9.54	6,370.85	2,285.24	2,858.82	1,541.79	7.14	12,329.92	3,767.32	4,726.52	3,836.08
Base Couse	CM/M	8.60	9,656.45	5,225.71	1,233.95	3,196.79	4.05	6,370.85	2,285.24	2,858.82	1,541.79	5.65	12,329.92	3,767.32	4,726.52	3,836.08
Prim Coat	TONE/M	0.035	9,656.45	5,225.71	1,233.95	3,196.79	0.033	6,370.85	2,285.24	2,858.82	1,541.79	0.03	12,329.92	3,767.32	4,726.52	3,836.08
Tack Coat	TONE/M	0.012	9,656.45	5,225.71	1,233.95	3,196.79	0.011	6,370.85	2,285.24	2,858.82	1,541.79	0.01	12,329.92	3,767.32	4,726.52	3,836.08
Asphalt Concrete	TONE/M	5.52	9,656.45	5,225.71	1,233.95	3,196.79	5.28	6,370.85	2,285.24	2,858.82	1,541.79	3.84	12,329.92	3,767.32	4,726.52	3,836.08
Center Median	CM/M	1.00	9,656.45	5,225.71	1,233.95	3,196.79	0.50	6,370.85	2,285.24	2,858.82	1,541.79	0	12,329.92	3,767.32	4,726.52	3,836.08
Separate Strip	CM/M	1.00	9,656.45	5,225.71	1,233.95	3,196.79	1.00	6,370.85	2,285.24	2,858.82	1,541.79	0	12,329.92	3,767.32	4,726.52	3,836.08
Curb & Gutter	LM/M	8.00	9,656.45	5,225.71	1,233.95	3,196.79	8.00	6,370.85	2,285.24	2,858.82	1,541.79	2.00	12,329.92	3,767.32	4,726.52	3,836.08
Sidewalk	SQM/M	12.00	9,656.45	5,225.71	1,233.95	3,196.79	10.00	6,370.85	2,285.24	2,858.82	1,541.79	10.00	12,329.92	3,767.32	4,726.52	3,836.08
Drainage	LM/M	2.00	9,656.45	5,225.71	1,233.95	3,196.79	2.00	6,370.85	2,285.24	2,858.82	1,541.79	2.00	12,329.92	3,767.32	4,726.52	3,836.08
Catch Basin	EACH	380					256					484				
Road Safety Devices	LM/M	0.50	9,656.45	5,225.71	1,233.95	3,196.79	0.50	6,370.85	2,285.24	2,858.82	1,541.79	0.50	12,329.92	3,767.32	4,726.52	3,836.08
Plantation	SQM/M	3.00	9,656.45	5,225.71	1,233.95	3,196.79	3.00	6,370.85	2,285.24	2,858.82	1,541.79	2.00	12,329.92	3,767.32	4,726.52	3,836.08
Boundary Block	LM/M	2.00	9,656.45	5,225.71	1,233.95	3,196.79	2.00	6,370.85	2,285.24	2,858.82	1,541.79	2.00	12,329.92	3,767.32	4,726.52	3,836.08

SOCIALIST REPUBLIC OF VIET NAM

THE FEASIBILITY OF NEW CBD FOR HANOI CITY

TITLE OF DRAWING	ORIGINAL SCALE	DWG. No
Quantity of Feeder Road	AS SHOWN	66

Work Items	Unit	Feeder Road No.1					Feeder Road No.2				
		Feeder Road		First Stage	Second Stage	Third Stage	Feeder Road		First Stage	Second Stage	Third Stage
		Quantity	Length(m)				Quantity	Length(m)			
Clearing & Grubbing	SQM/M		10,816	1,460	5,826	3,510	16.00	11,975	435	6,970	4,570
Embankment	CM/M		10,816	1,460	5,826	3,510	14.50	11,975	435	6,970	4,570
Subgrade Preparation	SQM/M		10,816	1,460	5,826	3,510	13.00	11,975	435	6,970	4,570
Subbase Course	CM/M		10,816	1,460	5,826	3,510	1.96	11,975	435	6,970	4,570
Base Couse	CM/M		10,816	1,460	5,826	3,510	1.29	11,975	435	6,970	4,570
Prim Coat	TONE/M		10,816	1,460	5,826	3,510	0.009	11,975	435	6,970	4,570
Tack Coat	TONE/M		10,816	1,460	5,826	3,510	0.003	11,975	435	6,970	4,570
Asphalt Concrete	TONE/M		10,816	1,460	5,826	3,510	1.01	11,975	435	6,970	4,570
Center Median	CM/M		10,816	1,460	5,826	3,510	0	11,975	435	6,970	4,570
Separate Strip	CM/M		10,816	1,460	5,826	3,510	0	11,975	435	6,970	4,570
Curb & Gutter	LM/M		10,816	1,460	5,826	3,510	2.00	11,975	435	6,970	4,570
Sidewalk	SQM/M		10,816	1,460	5,826	3,510	5.00	11,975	435	6,970	4,570
Drainage	LM/M		10,816	1,460	5,826	3,510	2.00	11,975	435	6,970	4,570
Catch Basin	EACH						320				
Road Safety Devices	LM/M		10,816	1,460	5,826	3,510	0.25	11,975	435	6,970	4,570
Plantation	SQM/M		10,816	1,460	5,826	3,510	2.00	11,975	435	6,970	4,570
Boundary Block	LM/M		10,816	1,460	5,826	3,510	2.00	11,975	435	6,970	4,570

SOCIALIST REPUBLIC OF VIET NAM

THE FEASIBILITY OF NEW CBD FOR HANOI CITY

TITLE OF DRAWING	ORIGINAL SCALE	DWG. No
Quantity of Walkway	AS SHOWN	67

Work Items	Unit	WALKWAY W = 30m				
		Quantity	Length (m)	First Sta.	Second Sta.	Third Sta.
Clearing & Grubbing	SQM/M	31.00	406.11	0	0	406.11
Embankment	CM/M	32.50	406.11	0	0	406.11
Subgrade Preparation	SQM/M	31.00	406.11	0	0	406.11
Subbase Course	CM/M	0	406.11	0	0	406.11
Base Couse	CM/M	0	406.11	0	0	406.11
Prim Coat	TONE/M	0	406.11	0	0	406.11
Tack Coat	TONE/M	0	406.11	0	0	406.11
Asphalt Concrete	TONE/M	0	406.11	0	0	406.11
Center Median	CM/M	0	406.11	0	0	406.11
Separate Strip	CM/M	0	406.11	0	0	406.11
Curb & Gutter	LM/M	0	406.11	0	0	406.11
Sidewalk	SQM/M	30.00	406.11	0	0	406.11
Drainage	LM/M	2.00	406.11	0	0	406.11
Catch Basin	EACH	14				
Road Safety Devices	LM/M	0.25	406.11	0	0	406.11
Plantation	SQM/M	4.00	406.11	0	0	406.11
Boundary Block	LM/M	2.00	406.11	0	0	406.11

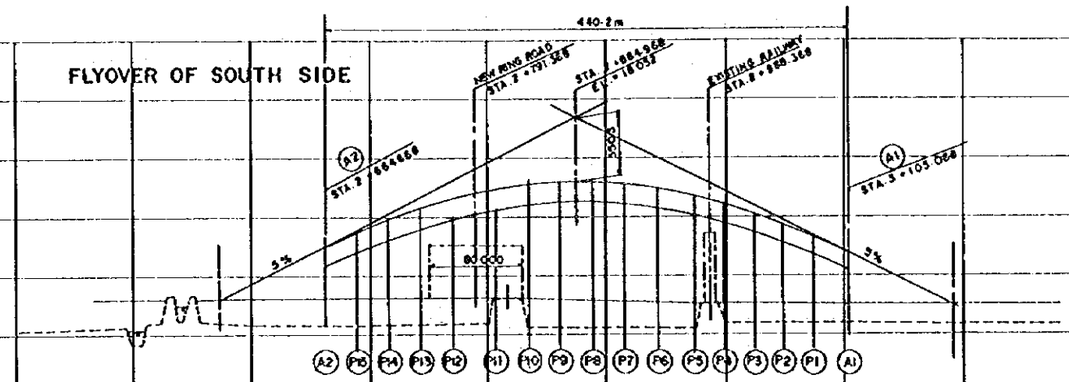
Work Items	Unit	COMB. COLLECTOR AND WALKWAY W = 60m					WALKWAY W = 60.0m				
		Quantity	Length (m)	First Sta.	Second Sta.	Third Sta.	Quantity	Length (m)	First Sta.	Second Sta.	Third Sta.
Clearing & Grubbing	SQM/M	64.00	577	577	0	0	61.00	463.92	463.92	0	0
Embankment	CM/M	62.50	577	577	0	0	62.50	463.92	463.92	0	0
Subgrade Preparation	SQM/M	61.00	577	577	0	0	61.00	463.92	463.92	0	0
Subbase Course	CM/M	9.54	577	577	0	0	0	463.92	463.92	0	0
Base Couse	CM/M	4.05	577	577	0	0	0	463.92	463.92	0	0
Prim Coat	TONE/M	0.033	577	577	0	0	0	463.92	463.92	0	0
Tack Coat	TONE/M	0.011	577	577	0	0	0	463.92	463.92	0	0
Asphalt Concrete	TONE/M	5.28	577	577	0	0	0	463.92	463.92	0	0
Center Median	CM/M	0.50	577	577	0	0	0	463.92	463.92	0	0
Separate Strip	CM/M	1.00	577	577	0	0	0	463.92	463.92	0	0
Curb & Gutter	LM/M	8.00	577	577	0	0	0	463.92	463.92	0	0
Sidewalk	SQM/M	31.00	577	577	0	0	31.00	463.92	463.92	0	0
Drainage	LM/M	2.00	577	577	0	0	2.00	463.92	463.92	0	0
Catch Basin	EACH	46					34				
Road Safety Devices	LM/M	0.50	577	577	0	0	0.25	463.92	463.92	0	0
Plantation	SQM/M	2.00	577	577	0	0	4.00	463.92	463.92	0	0
Boundary Block	LM/M	2.00	577	577	0	0	2.00	463.92	463.92	0	0

III. STRUCTURES

SOCIALIST REPUBLIC OF VIETNAM
THE FEASIBILITY STUDY OF NEW CBD FOR HANOI CITY

TITLE OF DRAWING	ORIGINAL SCALE	DWG. No.
PROFILE FLYOVER OF SOUTH AND NORTH SIDE	H= 2500 V= 250	68

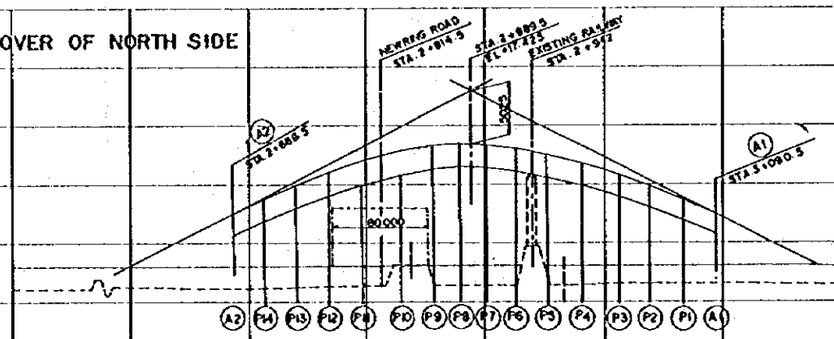
FLYOVER OF SOUTH SIDE



25.0 m
20.0
15.0
10.0
5.0
ELEV. = 0.0

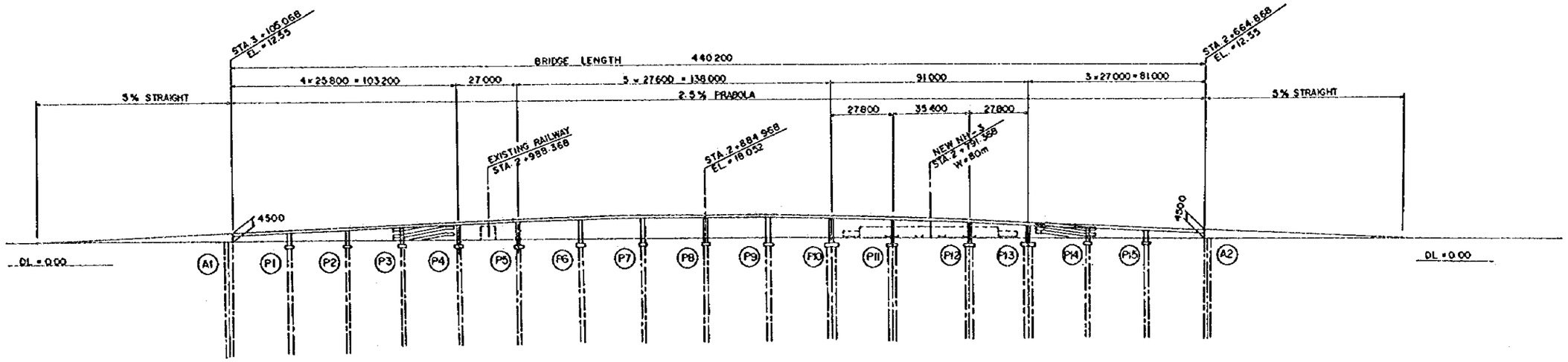
FINISHED GRADE	12.55 13.619 14.919 15.854 16.464 17.398 17.790 18.005 18.052 18.047 17.148 17.612 17.135 16.500 15.740 14.828 13.764 12.550
ORIGINAL GROUND	4.2 3.8 5.85 5.5 6.0 6.0
STATION	+300 +400 +500 +600 +684.468 +691.468 +700 +718.868 +743.868 +773.468 +791.368 +800 +826.868 +884.968 +891.968 +900 +918.868 +947.268 +976.868 +991.368 +000 +027.868 +053.468 +076.268 +103.068 +200 +300 +400 +500
HOR.CURVATURE	
VERT.CURVATURE	
SUPERELEVATION AND WIDENING	

FLYOVER OF NORTH SIDE

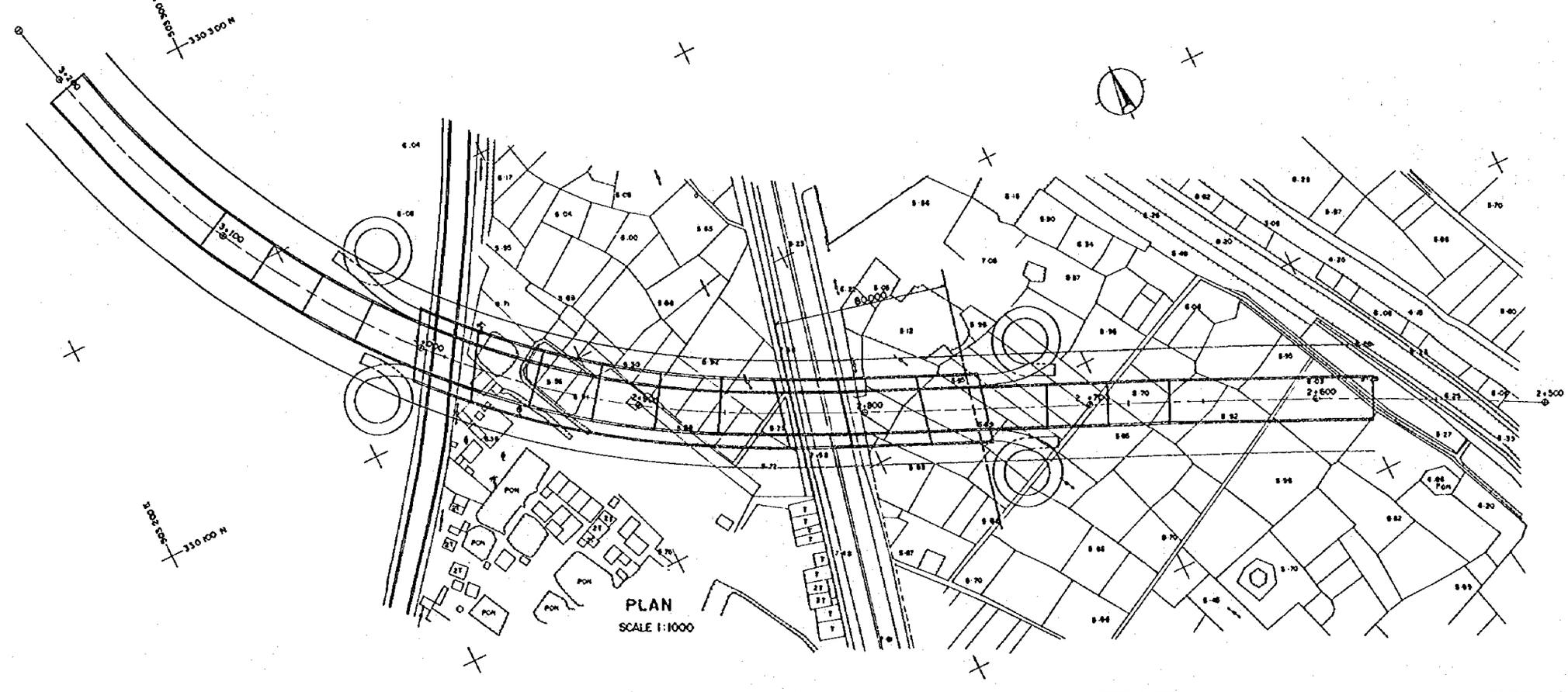


25.0 m
20.0
15.0
10.0
5.0
ELEV. = 0.0

ELEV.=	
FINISHED GRADE	12.40 13.659 14.737 15.634 16.374 17.007 17.313 17.419 17.425 17.396 17.236 16.880 16.399 15.634 14.737 13.659 12.400
ORIGINAL GROUND	6.1 6.2 6.2 6.4 6.4 6.7 6.7
STATION	+300 +400 +500 +600 +688.5 +700 +719.5 +742.5 +769.5 +797.5 +800 +831.5 +858.5 +882.5 +900 +918.5 +955.5 +982.5 +000 +009.5 +034.5 +045.5 +100.5 +200 +300 +400 +500
HOR.CURVATURE	
VERT.CURVATURE	
SUPERELEVATION AND WIDENING	



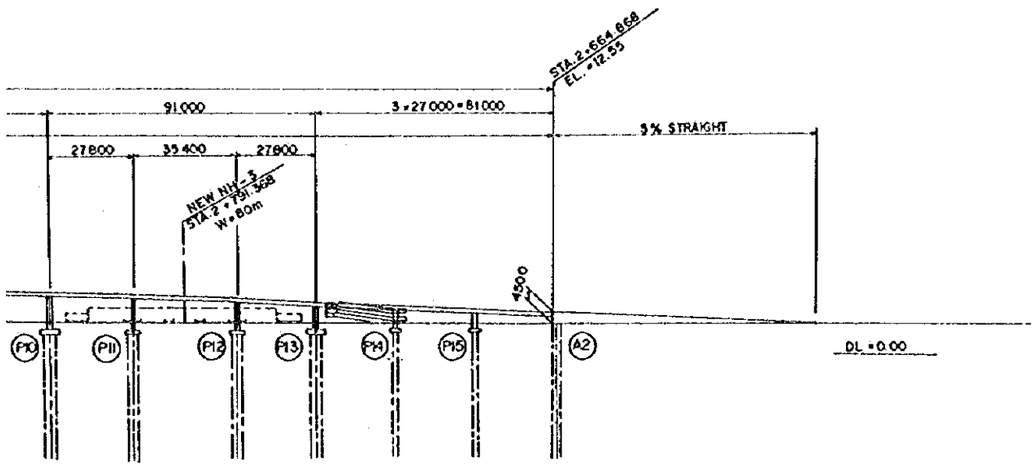
ELEVATION
SCALE 1:1000

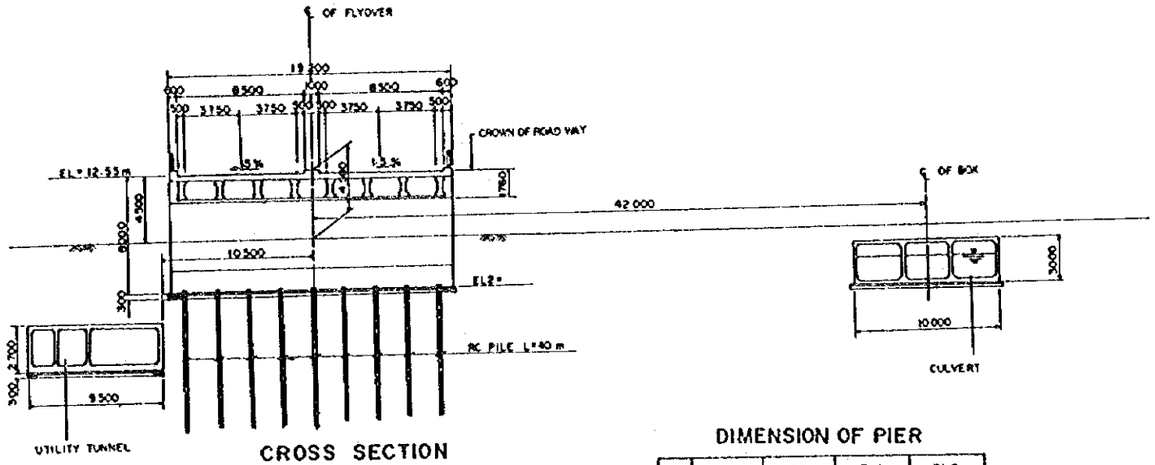


PLAN
SCALE 1:1000

SOCIALIST REPUBLIC OF VIET NAM
THE FEASIBILITY STUDY OF NEW CBD FOR HA NOI CITY

TITLE OF DRAWING	ORIGINAL SCALE	DWG. No.
GENERAL VIEW (SOUTH SIDE)	AS SHOWN	69

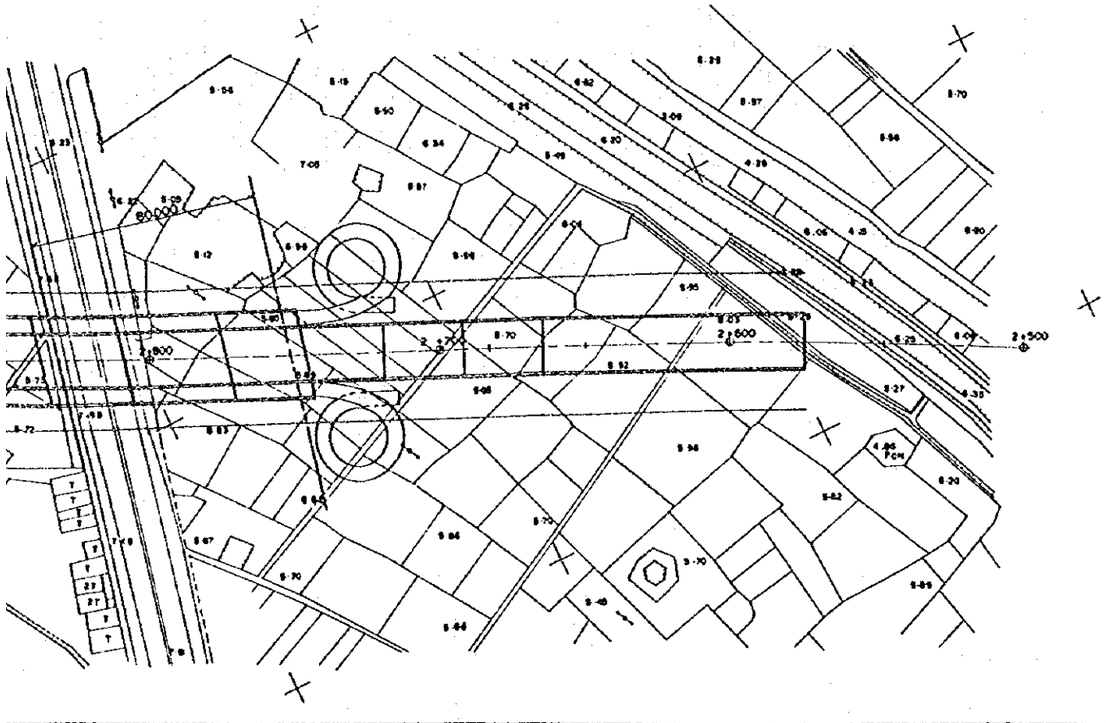


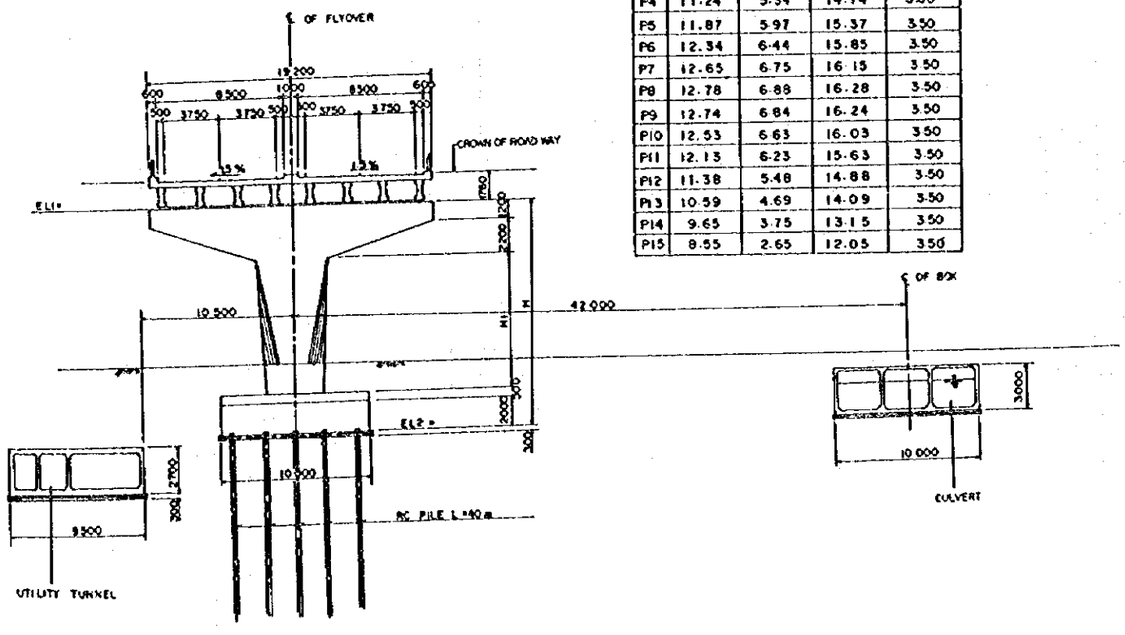


CROSS SECTION
(A1), (A2) ABUTMENT
SCALE 1:20

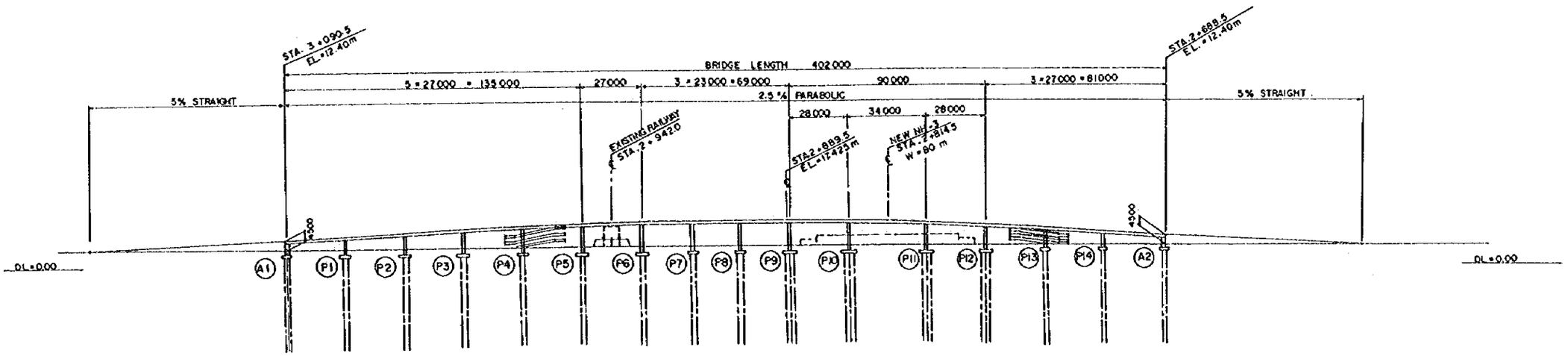
DIMENSION OF PIER

PIER	H	HI	EL1	EL2
P1	8.50	2.60	12.00	3.50
P2	9.56	3.66	13.06	3.50
P3	10.48	4.58	13.98	3.50
P4	11.24	5.34	14.74	3.50
P5	11.87	5.97	15.37	3.50
P6	12.34	6.44	15.85	3.50
P7	12.65	6.75	16.15	3.50
P8	12.78	6.88	16.28	3.50
P9	12.74	6.84	16.24	3.50
P10	12.53	6.63	16.03	3.50
P11	12.13	6.23	15.63	3.50
P12	11.38	5.48	14.88	3.50
P13	10.59	4.69	14.09	3.50
P14	9.65	3.75	13.15	3.50
P15	8.55	2.65	12.05	3.50

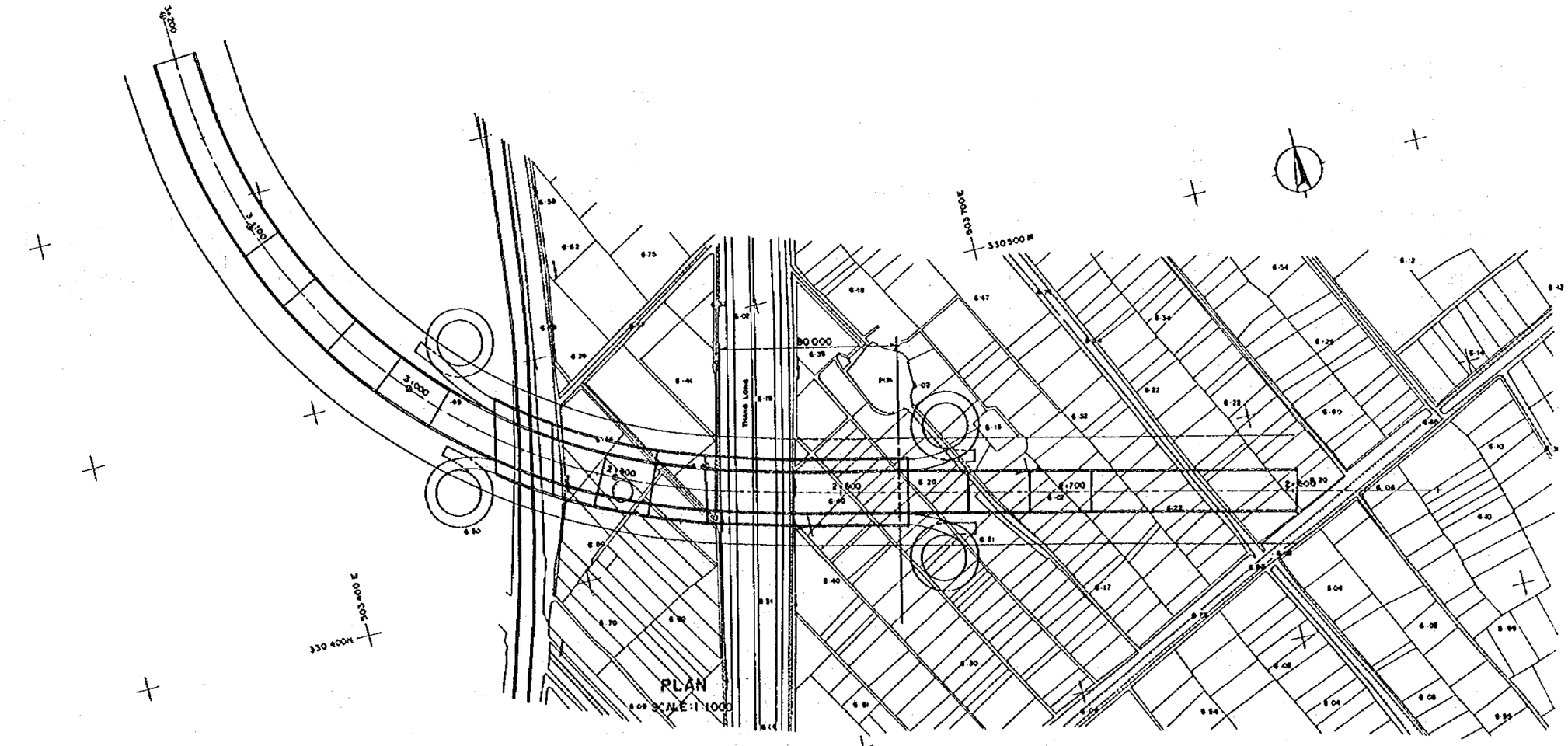




CROSS SECTION
(P1) - (P15) PIER
SCALE 1:20



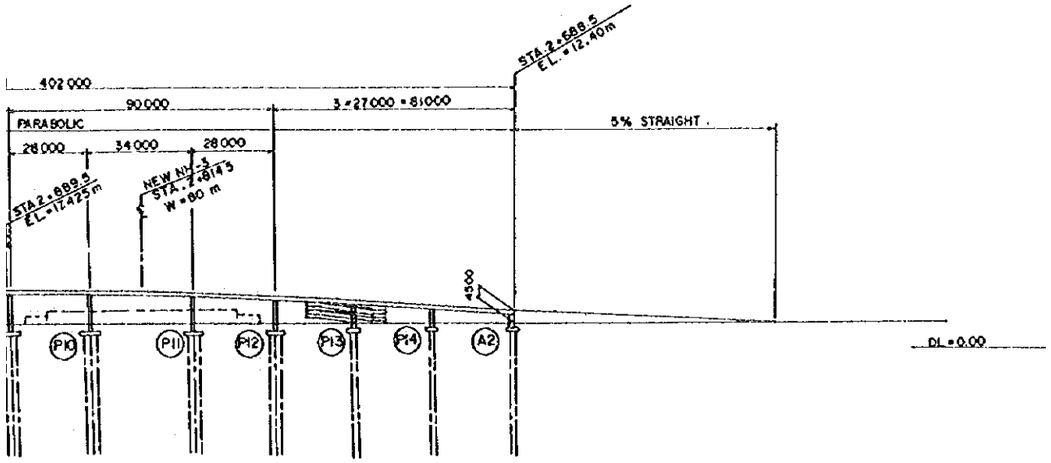
ELEVATION
SCALE 1:1000



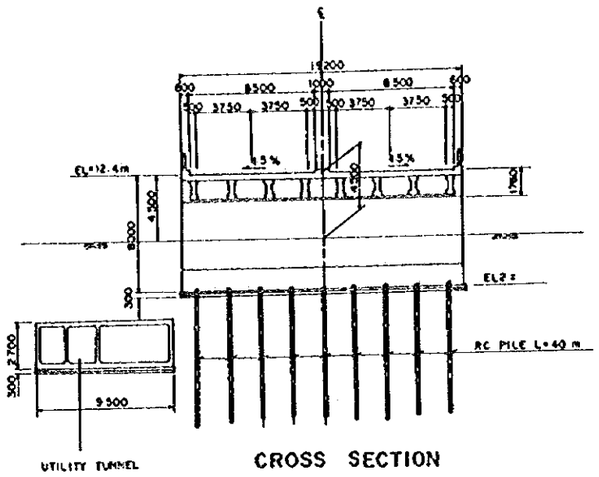
PLAN
SCALE : 1:1000

SOCIALIST REPUBLIC OF VIETNAM
THE FEASIBILITY STUDY OF NEW CBD FOR HA NOI CITY

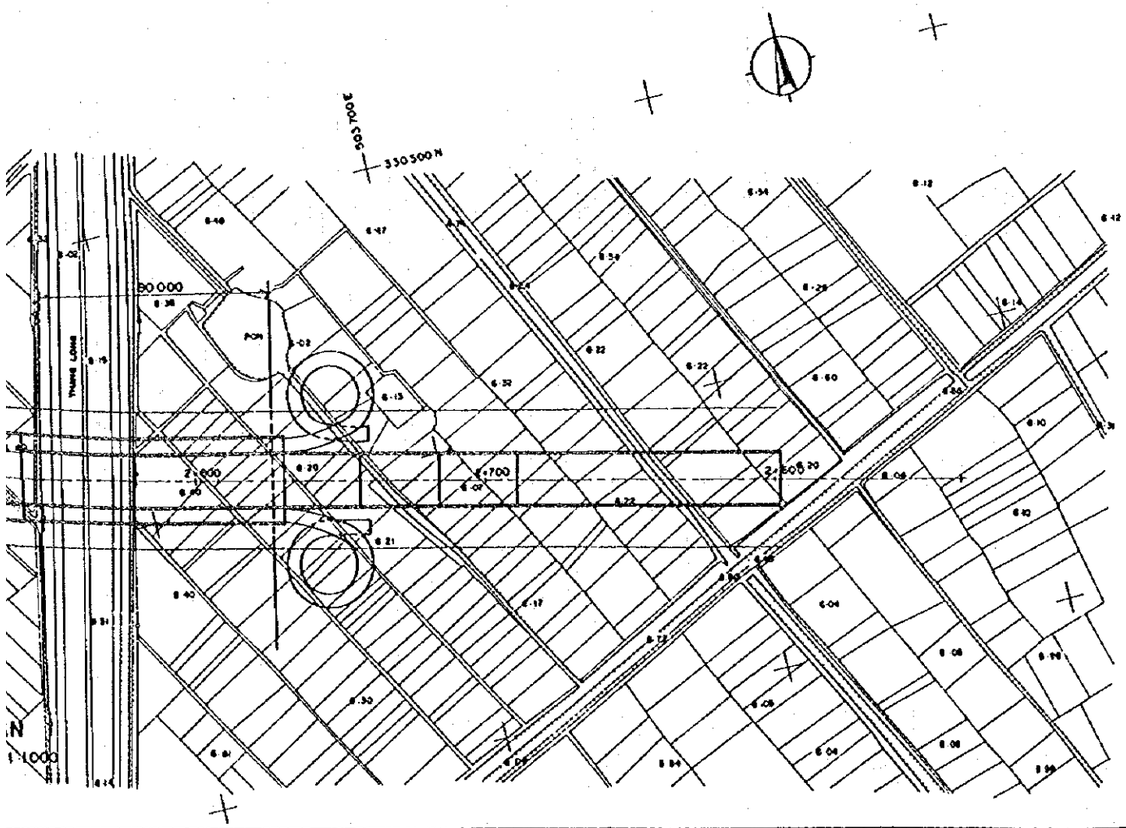
TITLE OF DRAWING	ORIGINAL SCALE	DWG. No
GENERAL VIEW (NORTH SIDE)	AS SHOWN	70

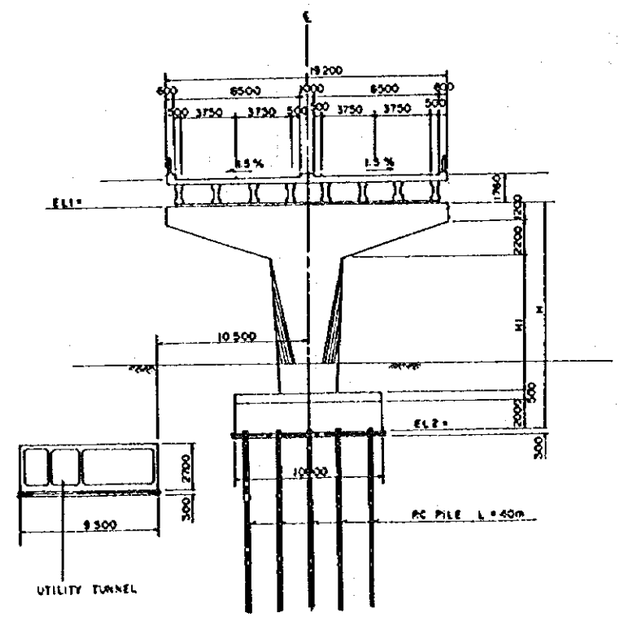


TION
:1000



CROSS SECTION
(A1)-(A2) ABUTMENT
SCALE 1:20





CROSS SECTION
(P1) - (P14) PIER
SCALE 1:20

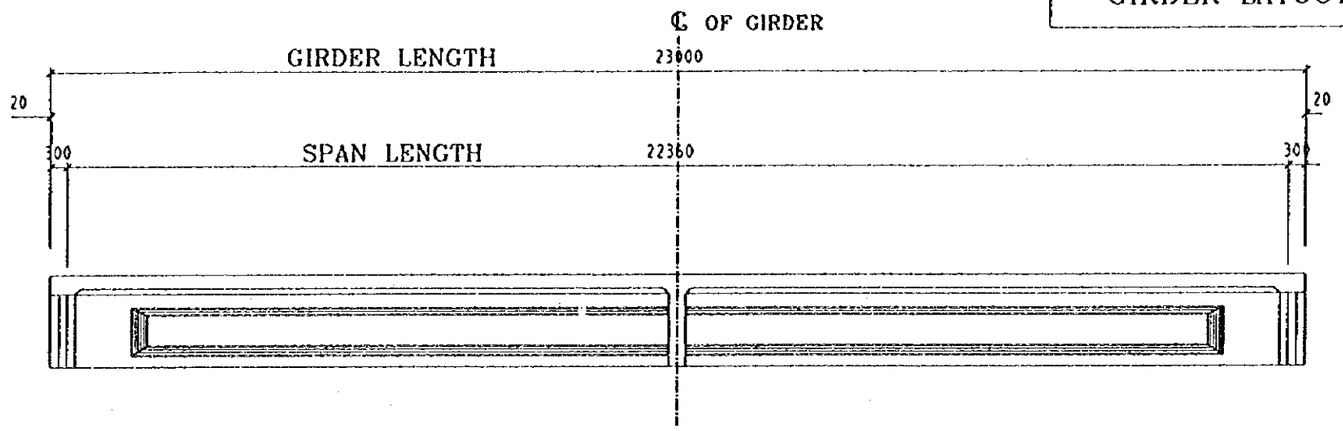
DIMENSION OF PIER

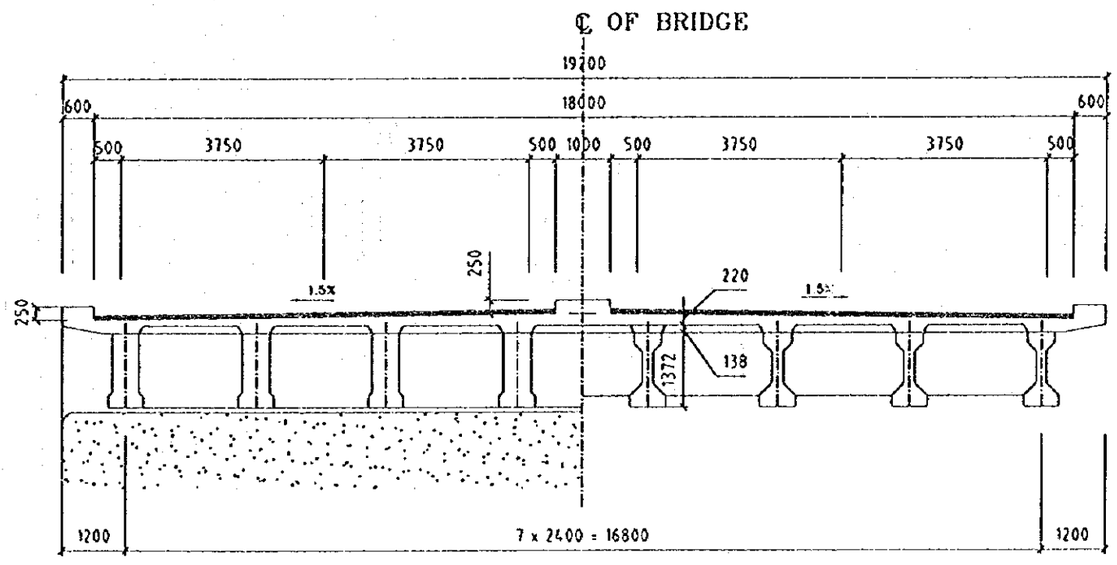
PIER	H	H1	EL1	EL2
P1	8.39	2.49	11.89	3.50
P2	9.47	3.57	12.97	3.50
P3	10.37	4.47	13.87	3.50
P4	11.08	5.18	14.58	3.50
P5	11.62	5.72	15.12	3.50
P6	11.97	6.07	15.47	3.50
P7	12.13	6.23	15.63	3.50
P8	12.15	6.25	15.65	3.50
P9	12.05	6.15	15.55	3.50
P10	11.74	5.84	15.24	3.50
P11	11.11	5.21	14.61	3.50
P12	10.37	4.47	13.87	3.50
P13	9.47	3.57	12.97	3.50
P14	8.39	2.49	11.89	3.50

SOCIALIST REPUBLIC OF VIET NAM

THE FEASIBILITY OF NEW CBD FOR HANOI CITY

TITLE OF DRAWING	ORIGINAL SCALE	DWG No
GIRDER LAYOUT (1)	AS SHOWN	71

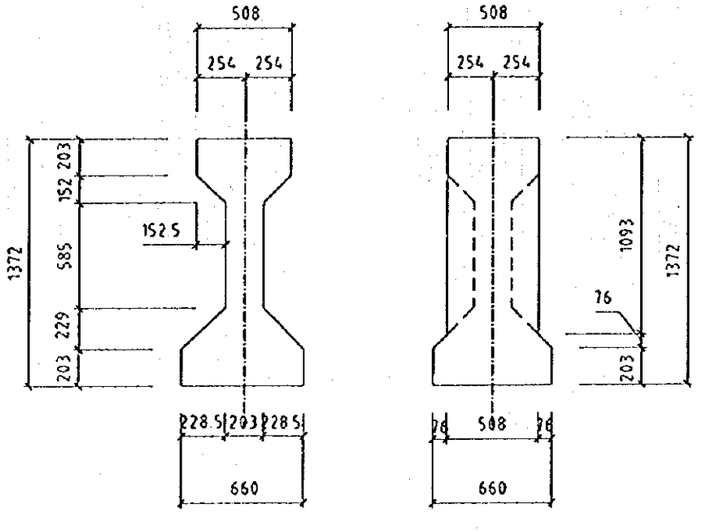




HALF SHOWING END DIAPHRAGM HALF SHOWING INTERMEDIATE DIAPHRAGM

CROSS SECTION

SCALE 1:100



INTERMEDIATE END

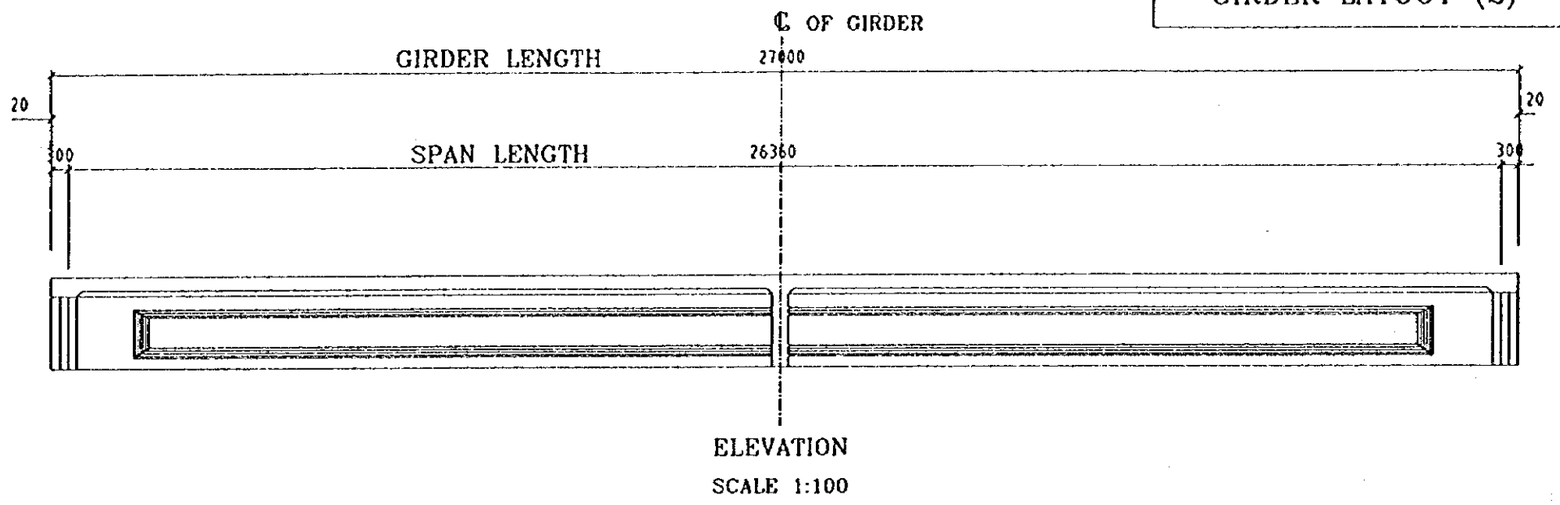
GIRDER SECTION

SCALE 1:30

SOCIALIST REPUBLIC OF VIET NAM

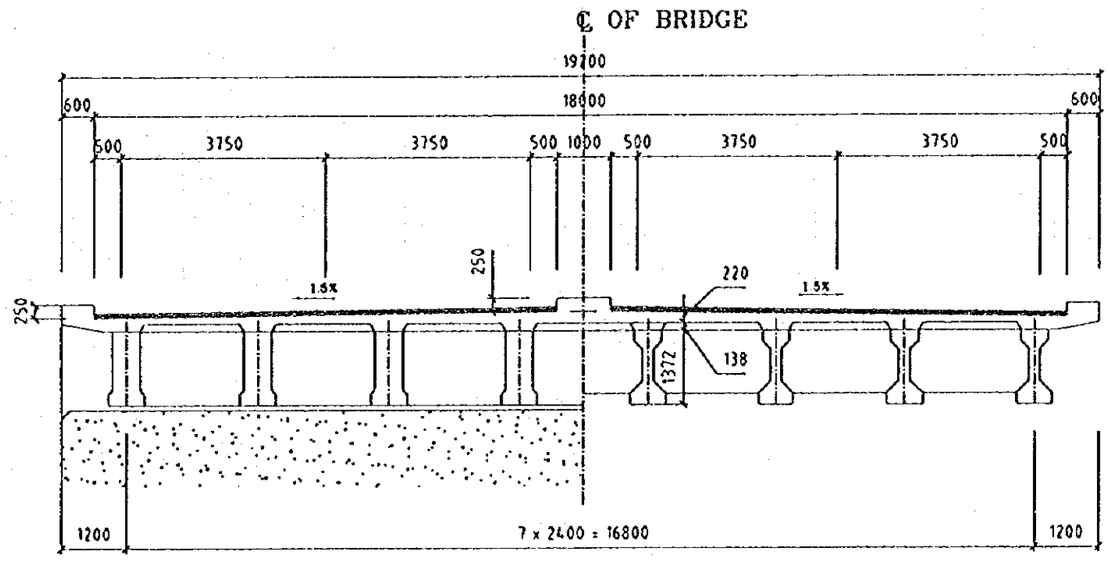
THE FEASIBILITY OF NEW CBD FOR HANOI CITY

TITLE OF DRAWING	ORIGINAL SCALE	DWG. No
GIRDER LAYOUT (2)	AS SHOWN	72



ELEVATION

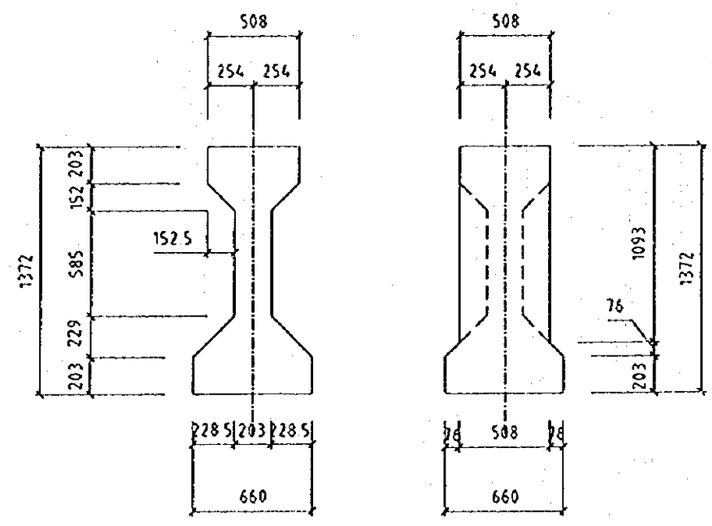
SCALE 1:100



HALF SHOWING END DIAPHRAGM HALF SHOWING INTERMEDIATE DIAPHRAGM

CROSS SECTION

SCALE 1:100



INTERMEDIATE END

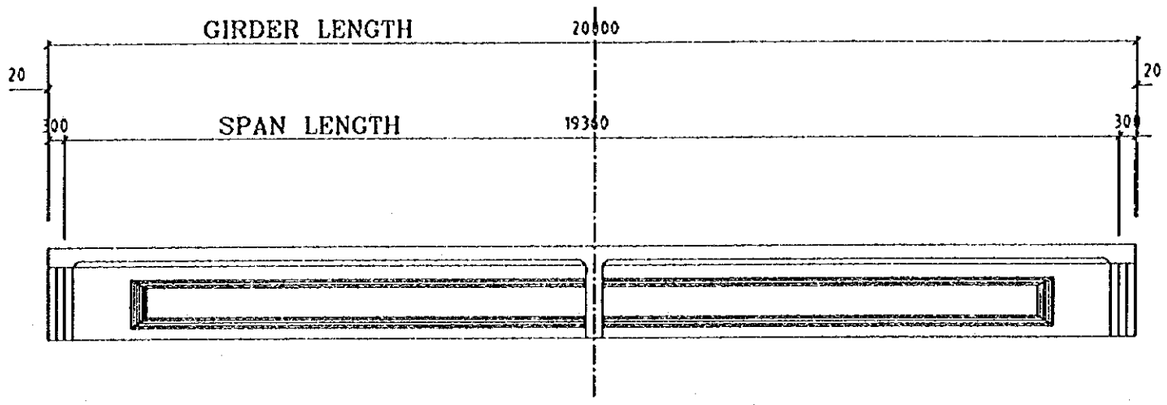
GIRDER SECTION

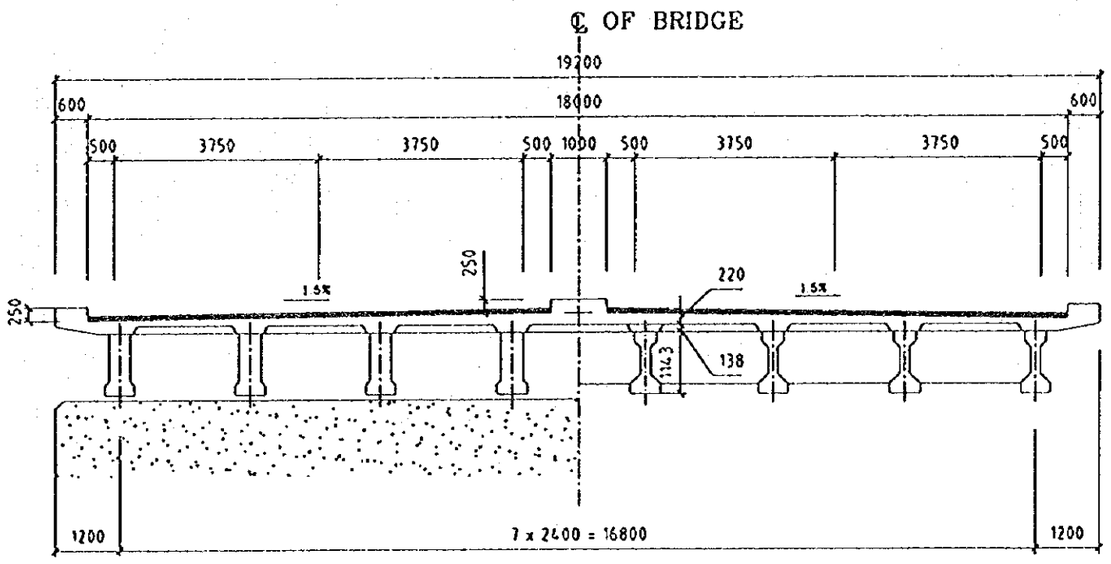
SCALE 1:30

SOCIALIST REPUBLIC OF VIET NAM

THE FEASIBILITY OF NEW CBD FOR HANOI CITY

TITLE OF DRAWING	ORIGINAL SCALE	DWG No
GIRDER LAYOUT – (3)	AS SHOWN	73

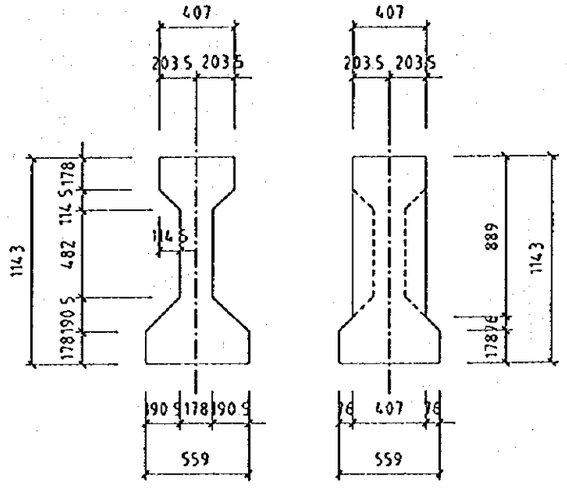




HALF SHOWING END DIAPHRAGM HALF SHOWING INTERMEDIATE DIAPHRAGM

CROSS SECTION

SCALE 1:100



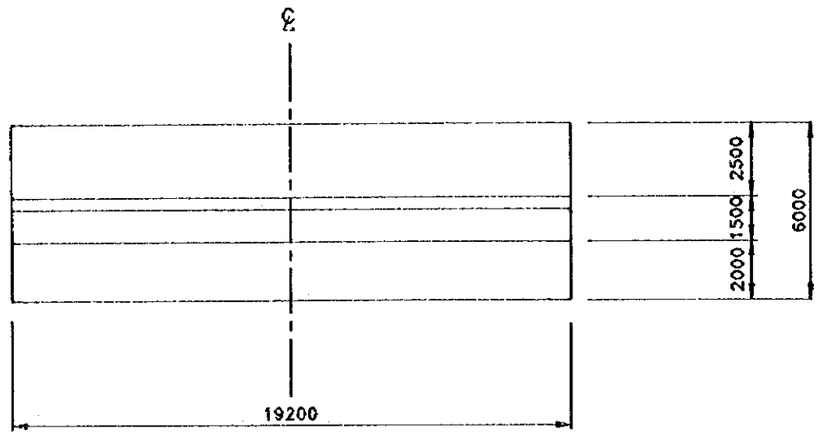
INTERMEDIATE END

GIRDER SECTION

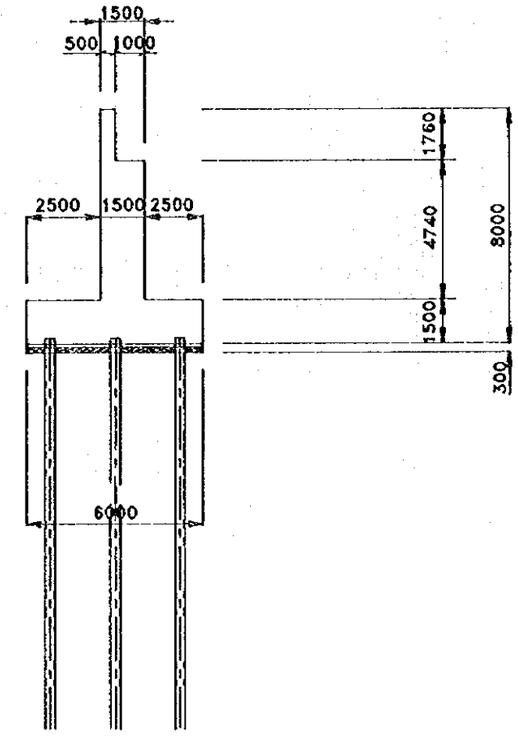
SCALE 1:30

SOCIALIST REPUBLIC OF VIETNAM
THE FEASIBILITY STUDY OF NEW CBD FOR HANOI CITY

TITLE	ORIGINAL SCALE	DWG. No.
ABUTMENT (NORTH SIDE)	AS SHOWN	74

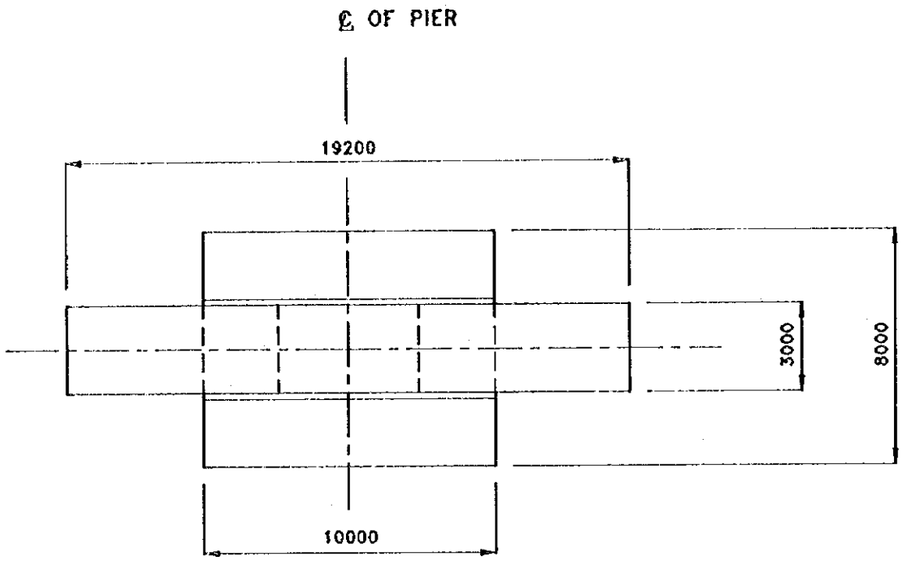


PLAN AND ELEVATION



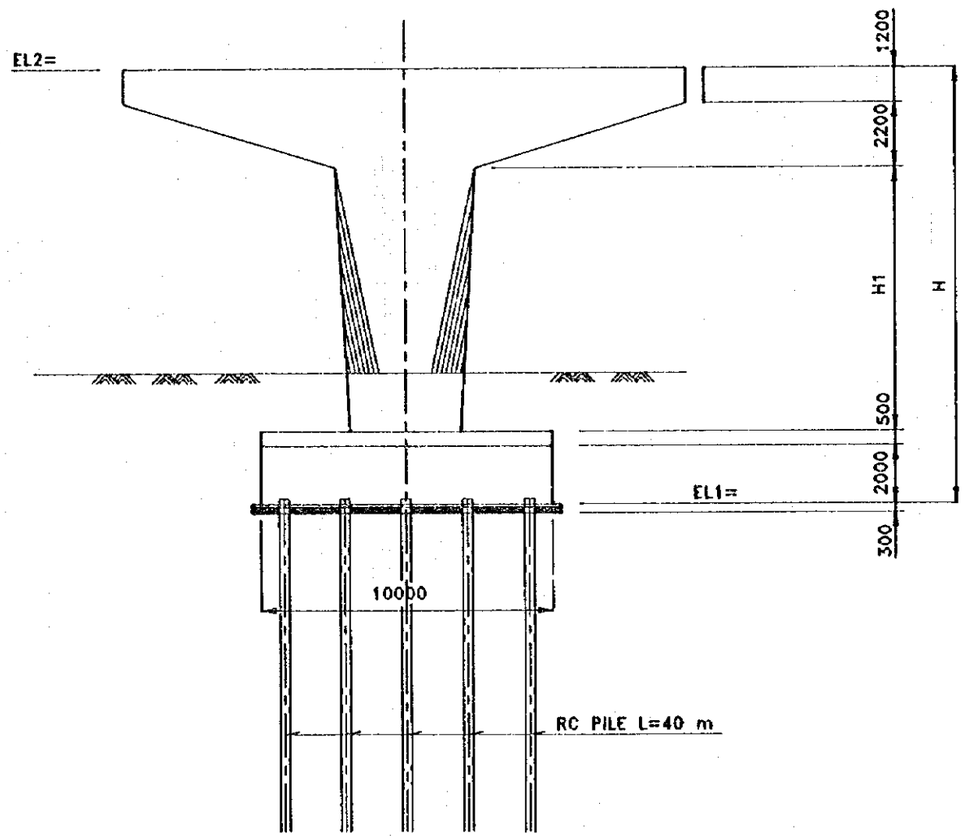
CROSS SECTION

SOCIALIST REPUBLIC OF VIETNAM THE FEASIBILITY STUDY OF NEW CBD FOR HANOI CITY		
TITLE OF DRAWING	ORIGINAL SCALE	DWG. No.
VIEW OF PIER (NORTH SIDE)	1:200	75

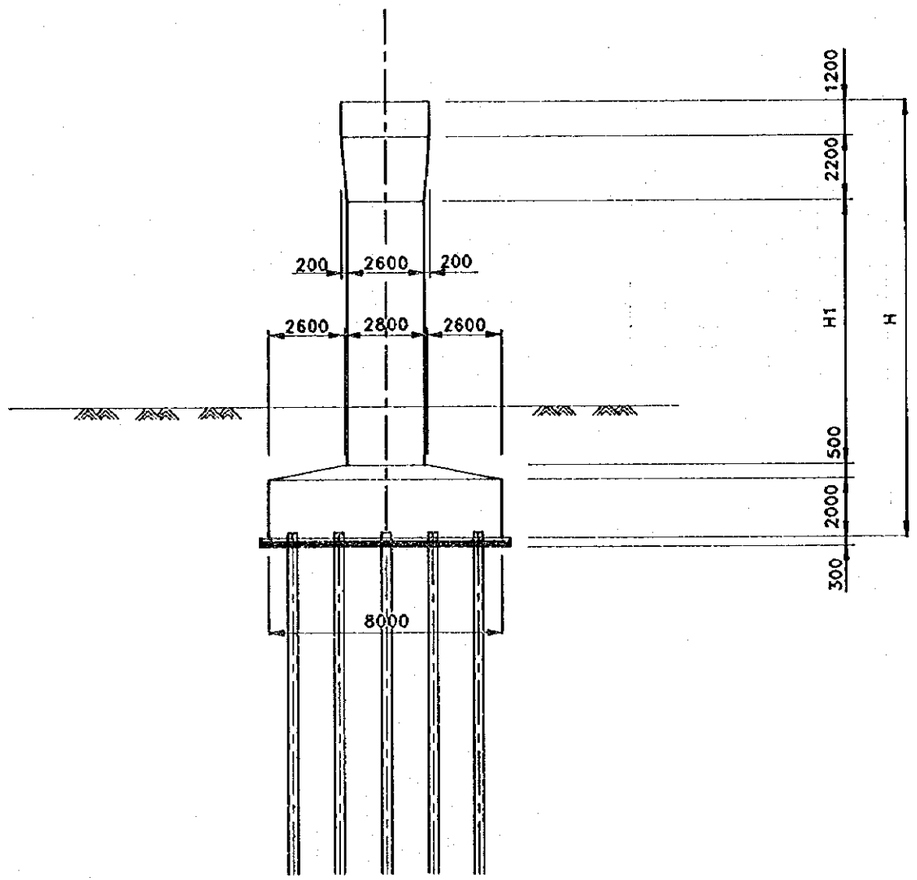


DIMENSION OF PIER

PIER	H	H1	EL1	EL2
P1	8.39	2.49	11.89	3.50
P2	9.47	3.57	12.97	3.50
P3	10.37	4.47	13.87	3.50
P4	11.08	5.18	14.58	3.50
P5	11.62	5.72	15.12	3.50
P6	11.97	6.07	15.47	3.50
P7	12.13	6.23	15.63	3.50
P8	12.15	6.25	15.65	3.50
P9	12.05	6.15	15.55	3.50
P10	11.74	5.84	15.24	3.50
P11	11.11	5.21	14.61	3.50
P12	10.37	4.47	13.87	3.50
P13	9.47	3.57	12.97	3.50
P14	8.39	2.49	11.89	3.50



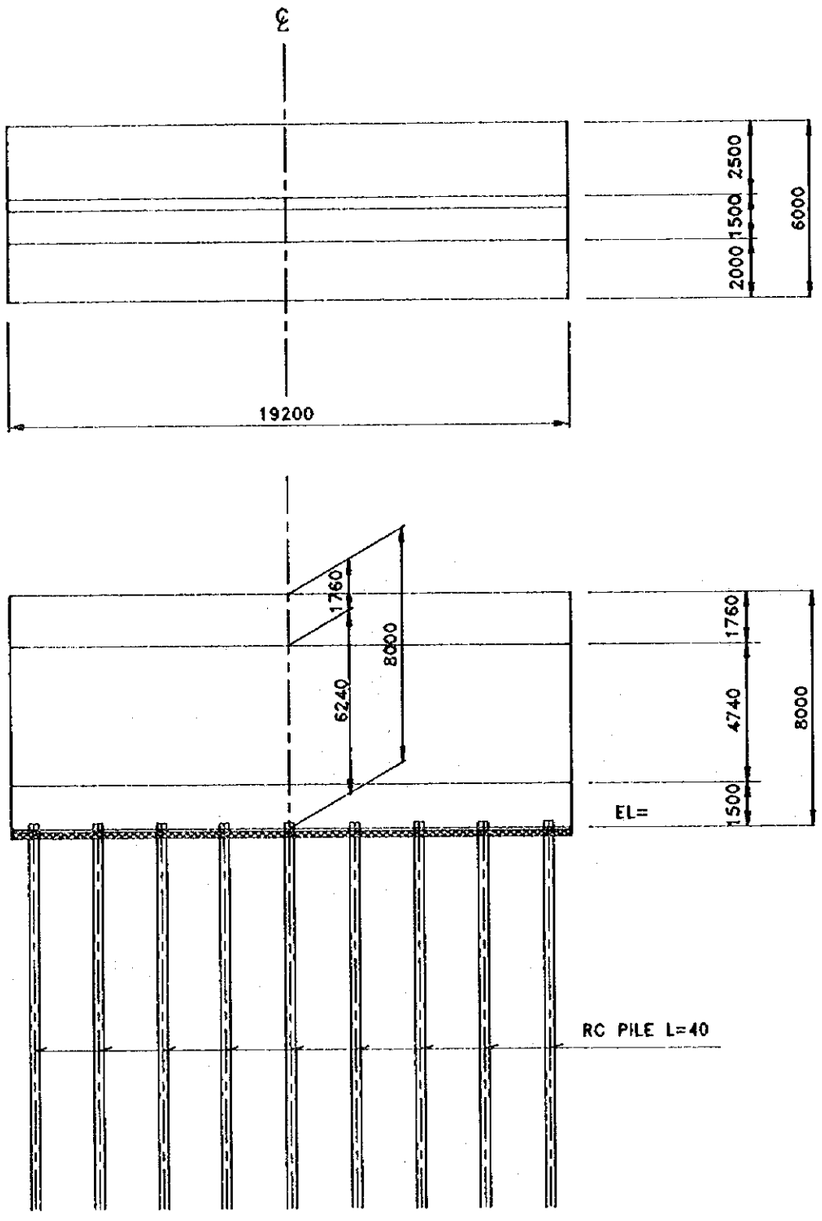
PLAN AND ELEVATION



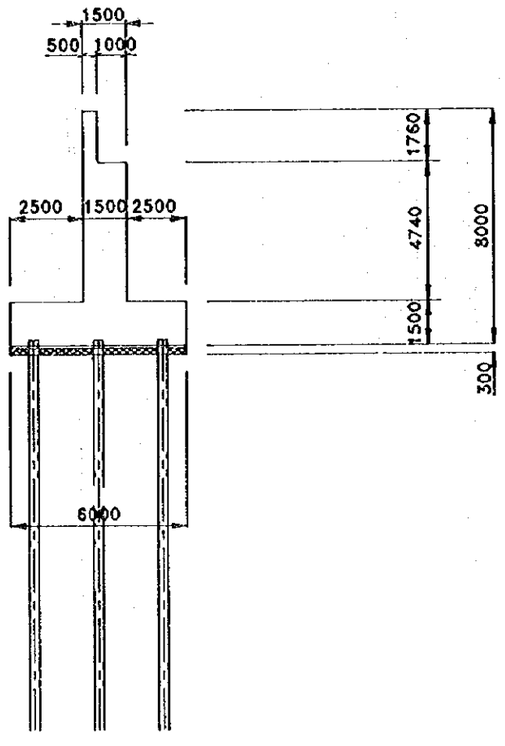
CROSS SECTION

SOCIALIST REPUBLIC OF VIETNAM
THE FEASIBILITY STUDY OF NEW CBD FOR HANOI CITY

TITLE	ORIGINAL SCALE	DWG. No.
ABUTMENT (SOUTH SIDE)	AS SHOWN	76



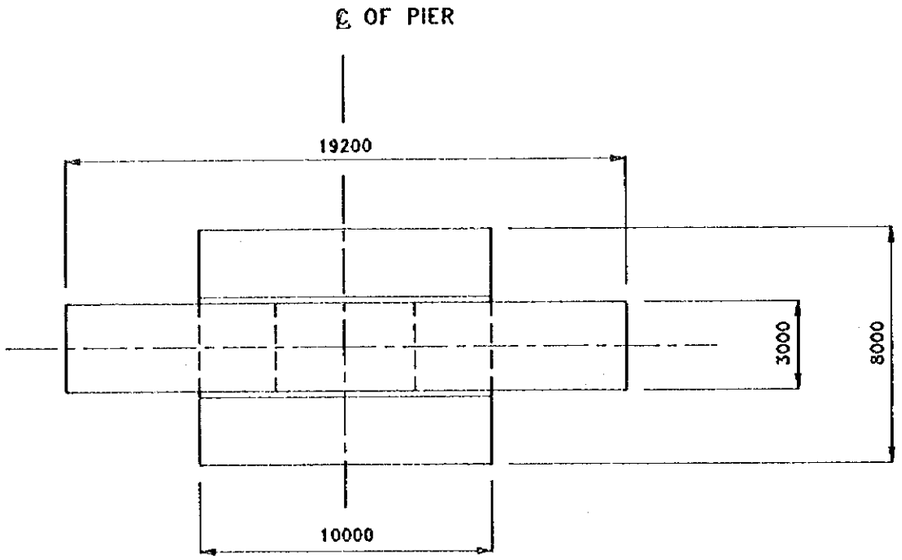
PLAN AND ELEVATION



CROSS SECTION

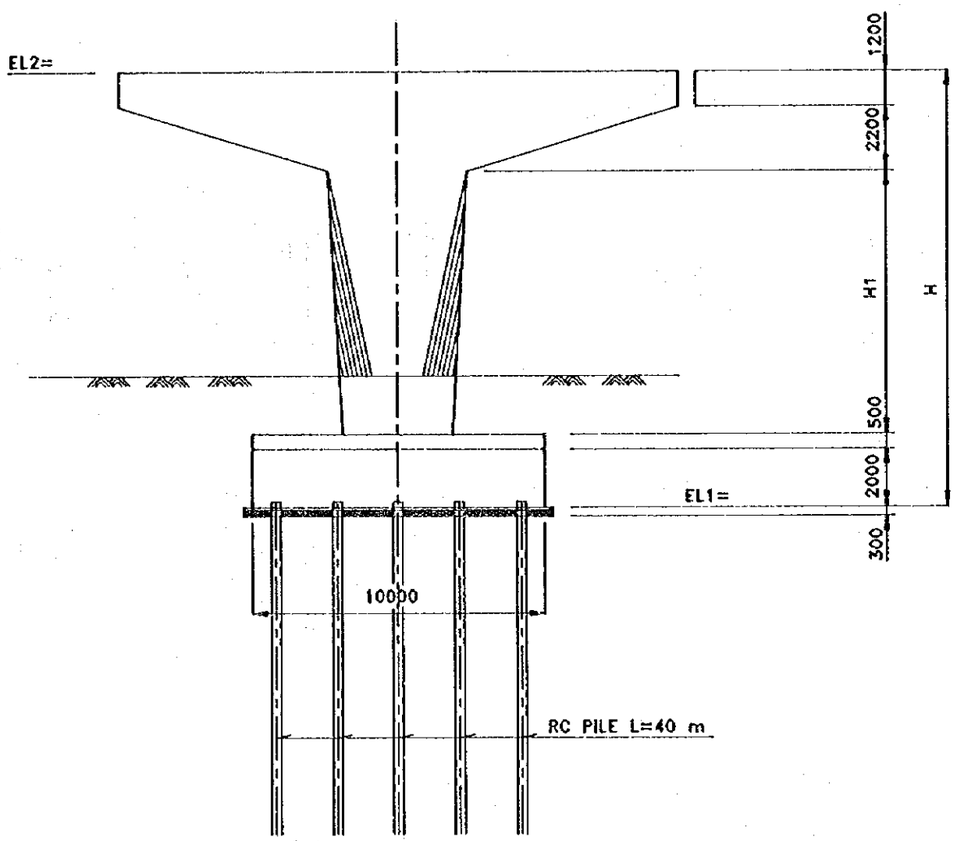
SOCIALIST REPUBLIC OF VIETNAM
THE FEASIBILITY STUDY OF NEW CBD FOR HANOI CITY

TITLE OF DRAWING	ORIGINAL SCALE	DWG. No.
VIEW OF PIER (SOUTH SIDE)	1:200	77

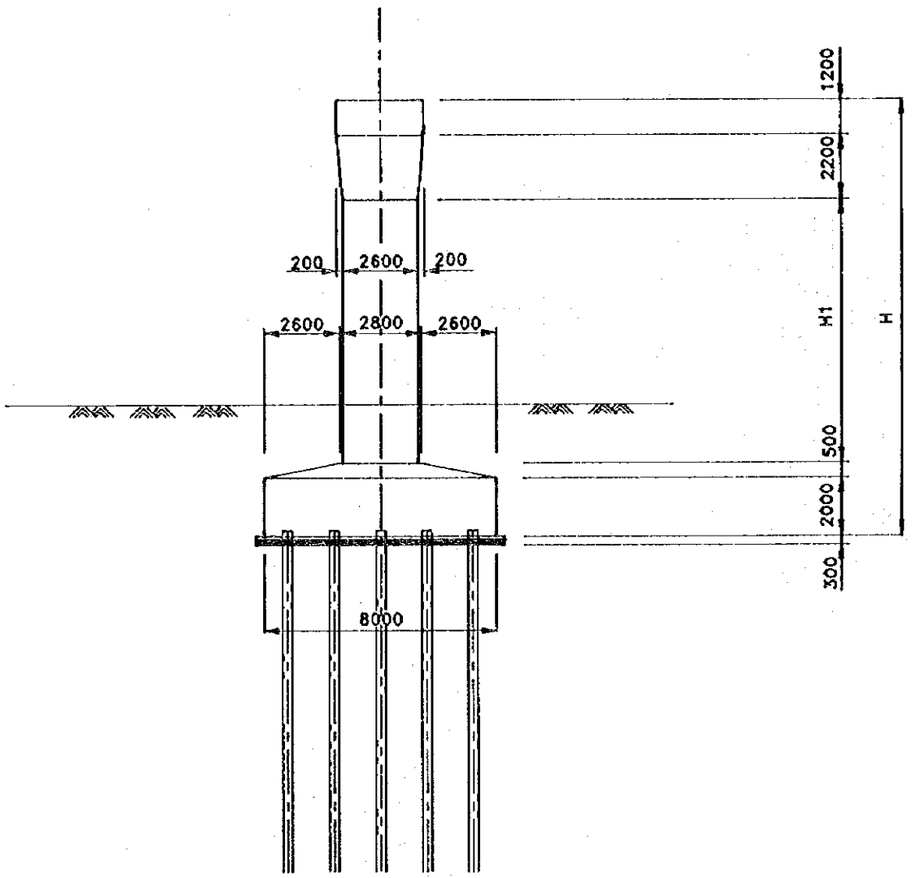


DIMENSION OF PIER

PIER	H	H1	EL1	EL2
P1	8.50	2.60	12.00	3.50
P2	9.56	3.66	13.06	3.50
P3	10.48	4.58	13.98	3.50
P4	11.24	5.34	14.74	3.50
P5	11.87	5.97	15.37	3.50
P6	12.34	6.44	15.85	3.50
P7	12.65	6.75	16.15	3.50
P8	12.78	6.88	16.28	3.50
P9	12.74	6.84	16.24	3.50
P10	12.53	6.63	16.03	3.50
P11	12.13	6.23	15.63	3.50
P12	11.38	5.48	14.88	3.50
P13	10.59	4.69	14.09	3.50
P14	9.65	3.75	13.15	3.50
P15	8.55	2.65	12.05	3.50

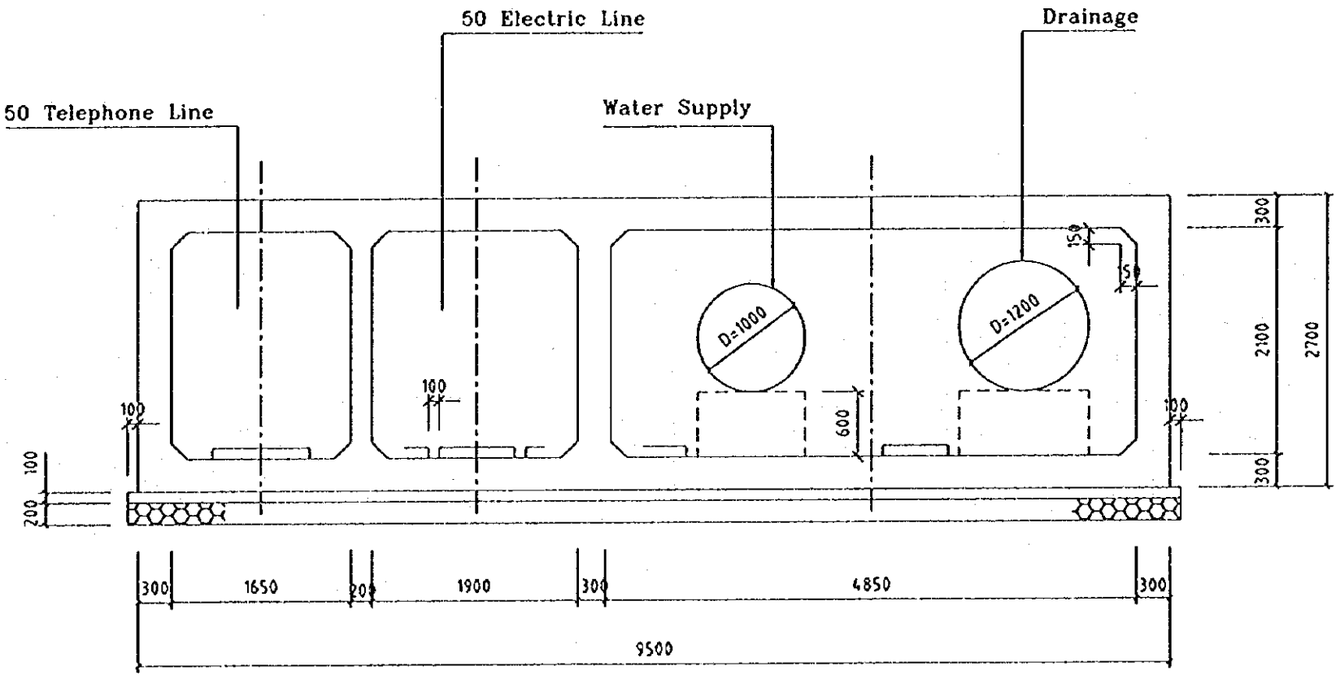


PLAN AND ELEVATION



CROSS SECTION

SOCIALIST REPUBLIC OF VIET NAM THE FEASIBILITY OF NEW CBD FOR HANOI CITY		
TITLE OF DRAWING	ORIGINAL SCALE	DWG. No
UTILITY TUNNEL	AS SHOWN	78



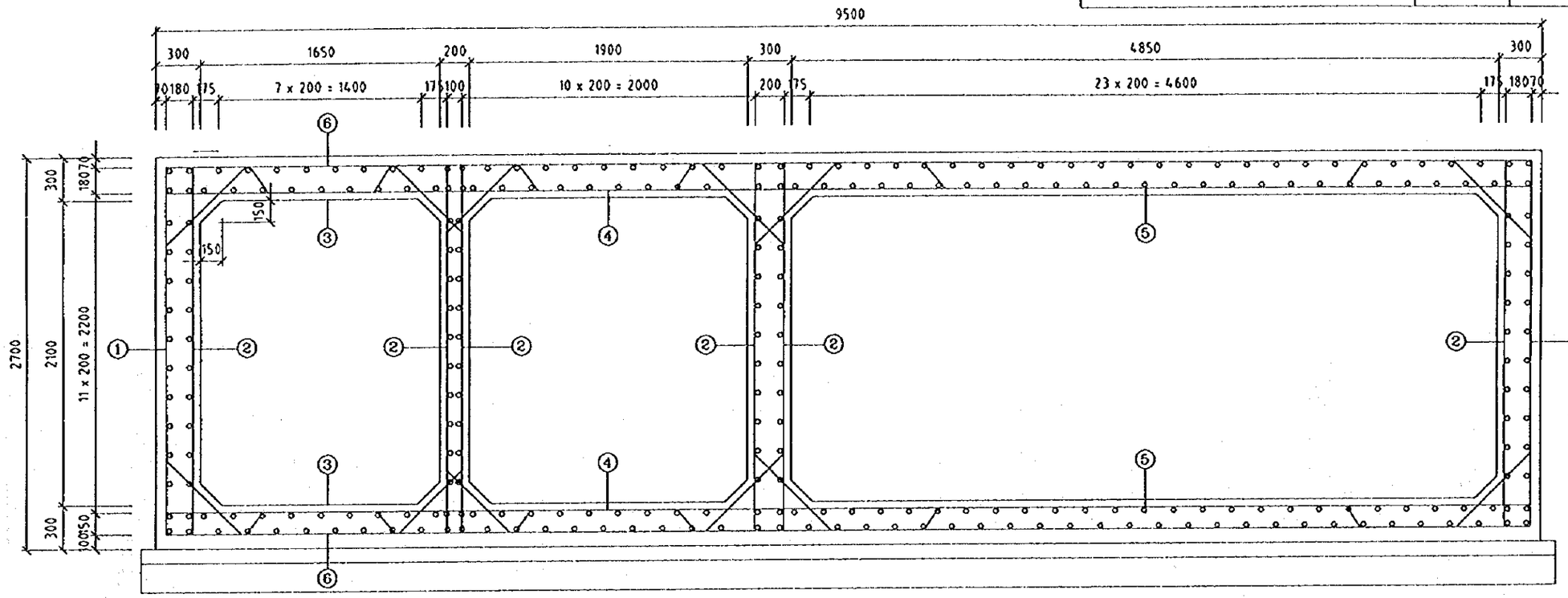
CROSS SECTION

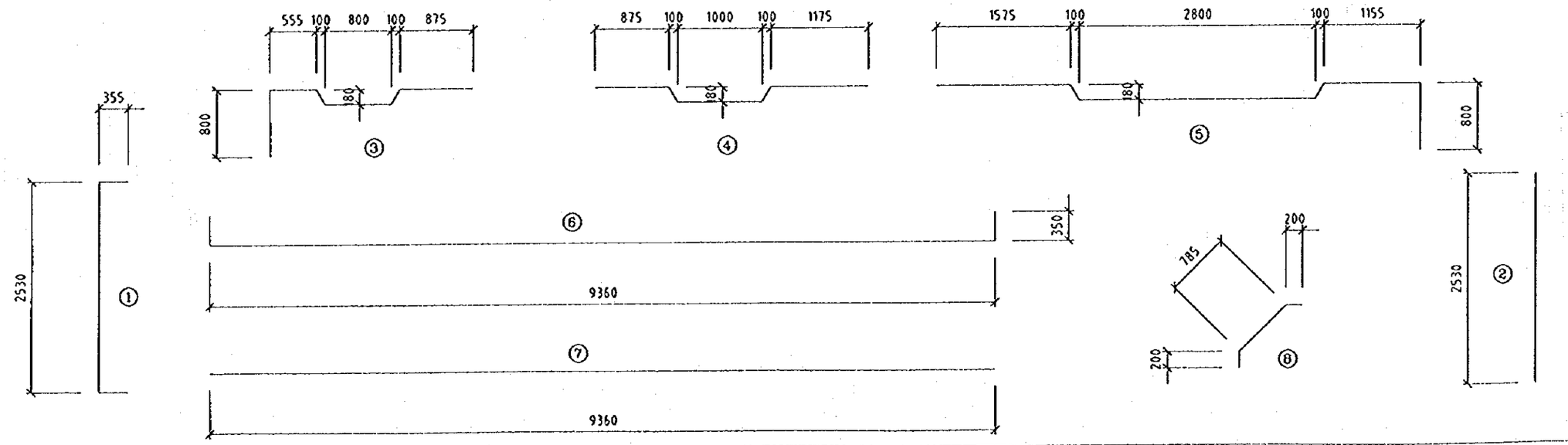
SCALE 1:50

SOCIALIST REPUBLIC OF VIET NAM

THE FEASIBILITY OF NEW CBD FOR HANOI CITY

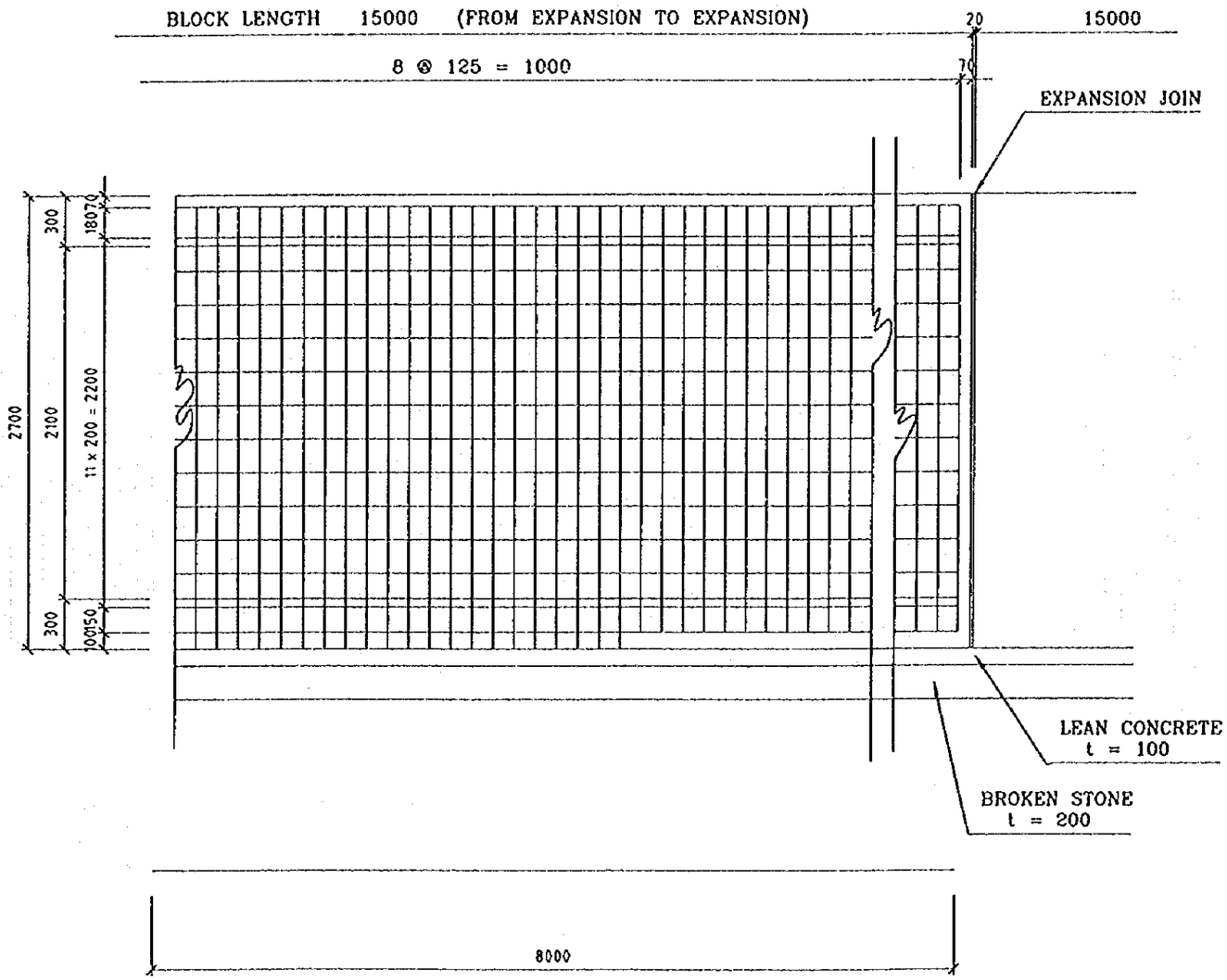
TITLE OF DRAWING	ORIGINAL SCALE	DWG. No
Quantity of Utility Tunnel (1)	1:30	79





SOCIALIST REPUBLIC OF VIET NAM
THE FEASIBILITY OF NEW CBD FOR HANOI CITY

TITLE OF DRAWING	ORIGINAL SCALE	DWG. No
Quantity of Utility Tunnel (2)	1:30	80



QUANTITY OF ONE BLOCK

1. REINFORCEMENT BAR

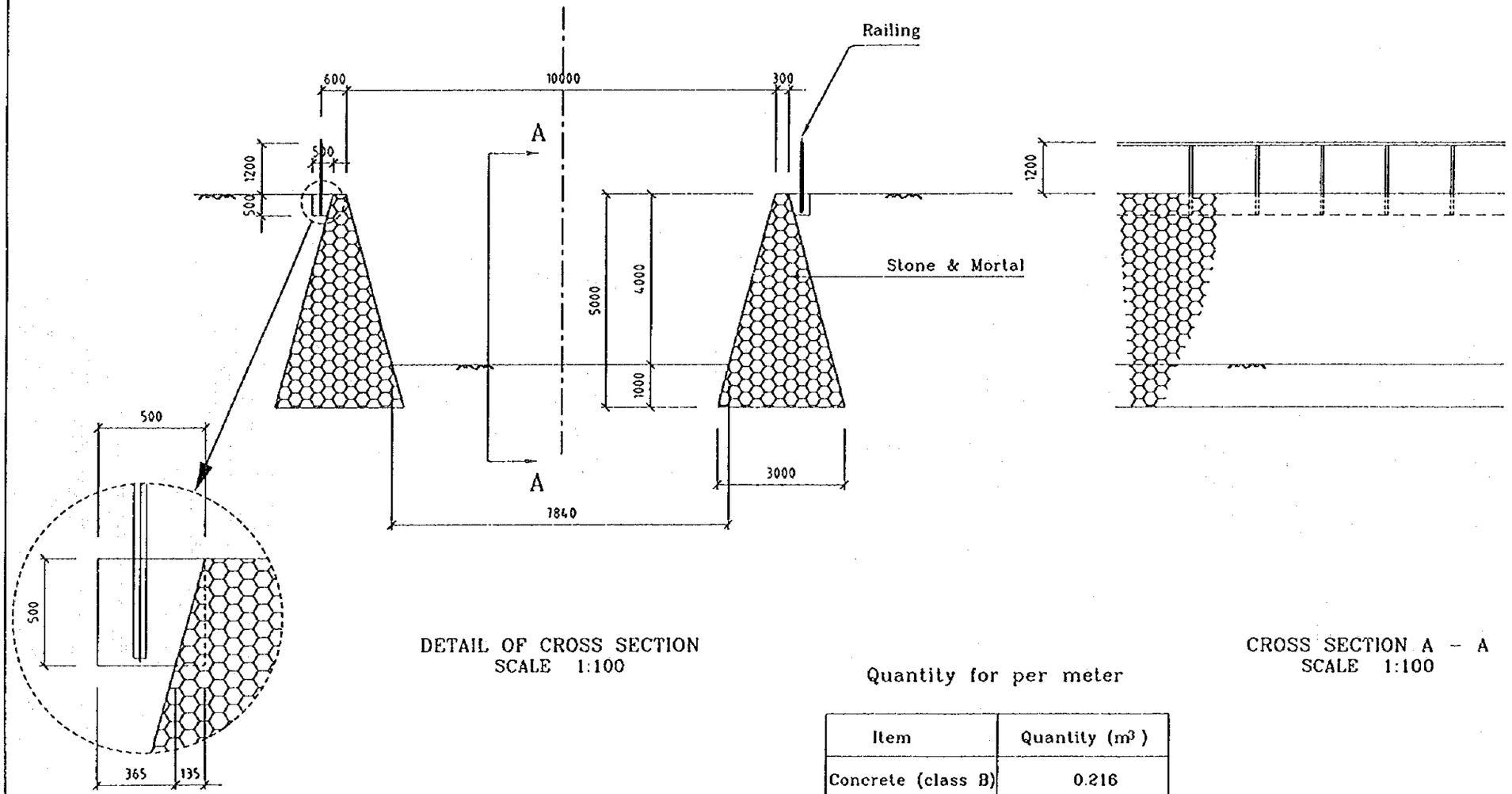
	D	$L_{(m)}$	n	$W_{(kg/m)}$	$\Sigma W_{(kg)}$
①	D16	3,240	240	1.56	1,213
②	D16	2,530	720	1.56	2,842
③	D19	3,442	240	2.25	1,859
④	D19	3,462	240	2.25	1,869
⑤	D22	6,742	240	3.04	4,914
⑥	D19	10,060	120	2.25	2,716
⑦	D19	9,360	120	2.25	2,527
⑧	D13	1,185	720	0.995	849
⑨	D16	8,000	556	1.56	6,939
Total Weight					25,733 (1715 kg/m)

2. CONCRETE V=122.25^{m3} (8.15$^{m3/m}$)
3. LEAN CONCRETE V= 14.55^{m3} (0.97$^{m3/m}$)
4. BROKEN STONE V= 29.10^{m3} (1.94$^{m3/m}$)

SOCIALIST REPUBLIC OF VIET NAM

THE FEASIBILITY OF NEW CBD FOR HANOI CITY

TITLE OF DRAWING	ORIGINAL SCALE	DWG. No
Detail of Riprap	AS SHOWN	81



DETAIL OF CROSS SECTION
SCALE 1:100

CROSS SECTION A - A
SCALE 1:100

Quantity for per meter

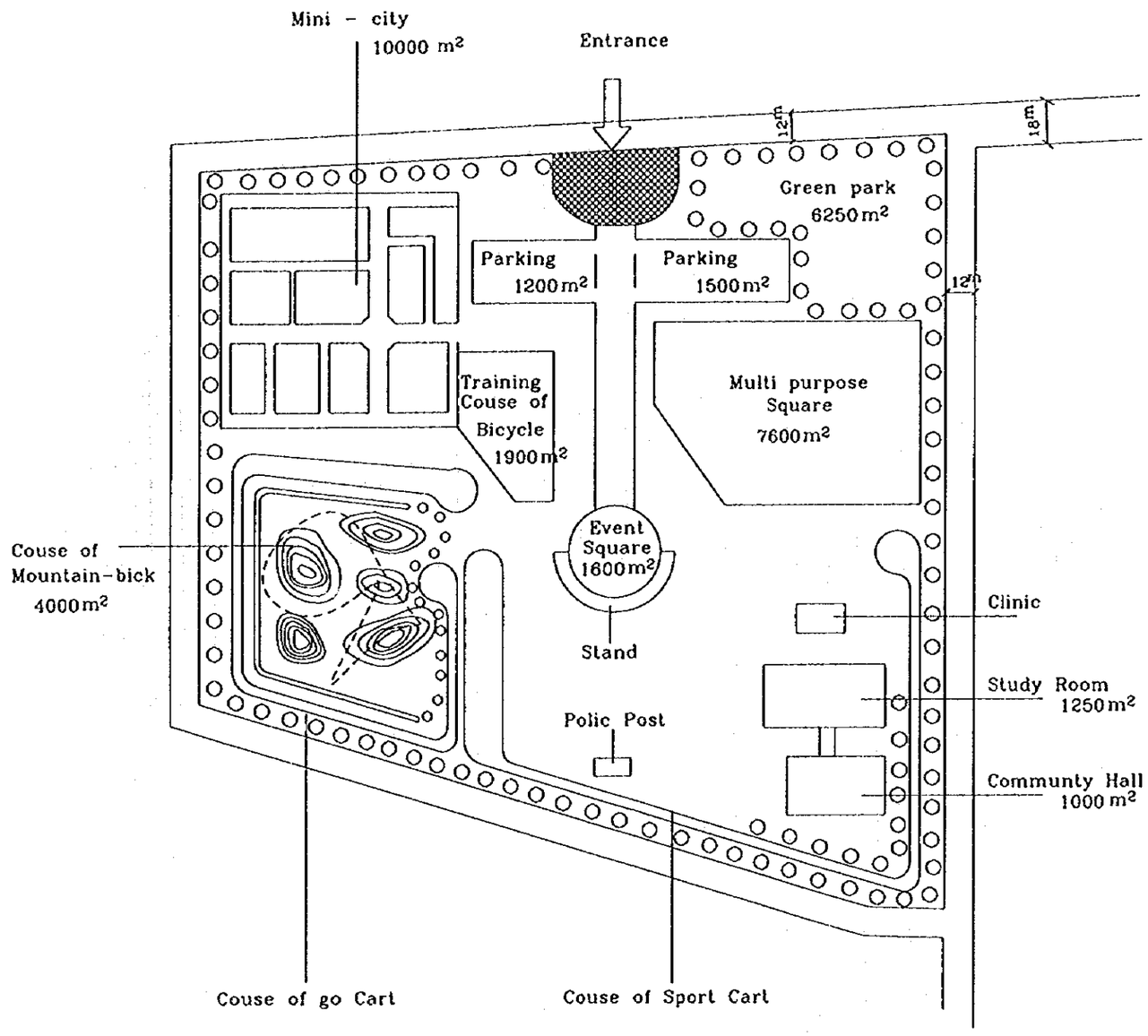
Item	Quantity (m^3)
Concrete (class B)	0.216
Stone	8.25

IV. TRAFFIC PLAZA

SOCIALIST REPUBLIC OF VIET NAM

THE FEASIBILITY OF NEW CBD FOR HANOI CITY

TITLE OF DRAWING	ORIGINAL SCALE	DWG. No
Plan of Road Safety Park	AS SHOWN	82



Total Area

A = 8.79 ha

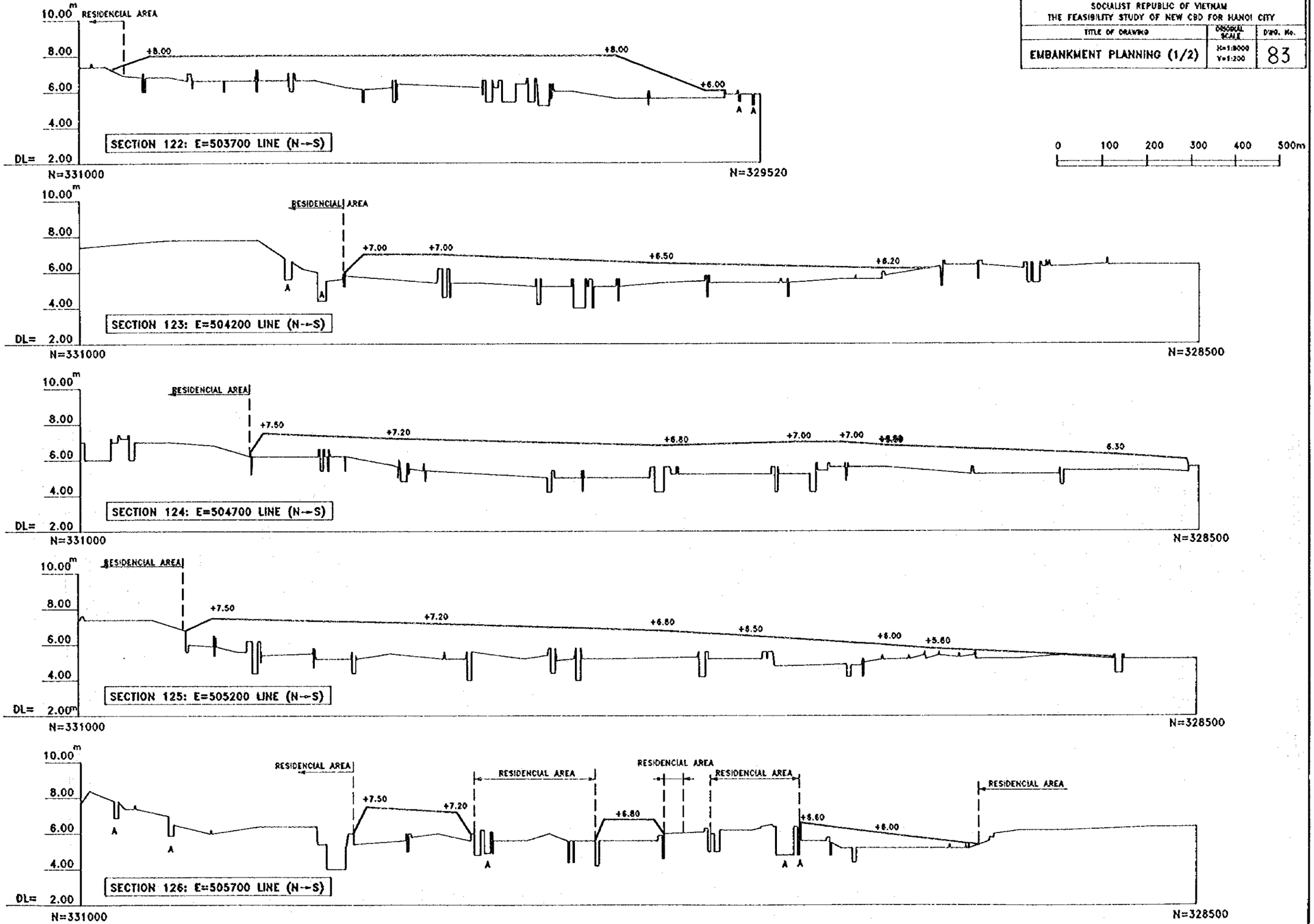
Item	Area (m²)
Green park	6250
Mini-city	10000
Parking	2700
Training Couse	1900
Multi Purpose Sq.	7600
Couse of Mount-bick	4000
Communty Hall	1000
Study Room	1250
Event Square	1600
Other	41350
Road	10250
Total	87900

Scale

50 100

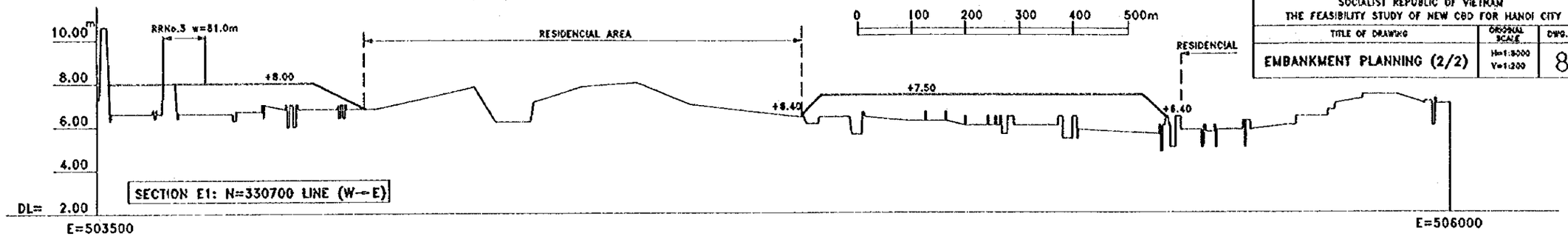
SOCIALIST REPUBLIC OF VIETNAM
THE FEASIBILITY STUDY OF NEW CBD FOR HANOI CITY

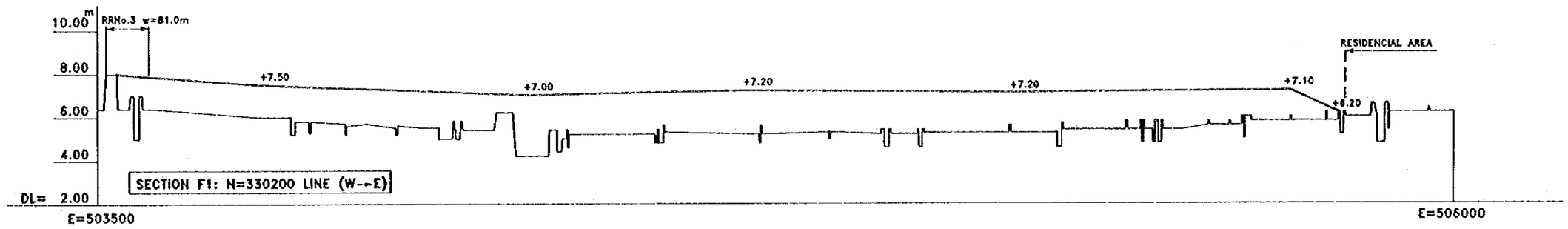
TITLE OF DRAWING	ORIGINAL SCALE	Drg. No.
EMBANKMENT PLANNING (1/2)	H=1:5000 V=1:200	83

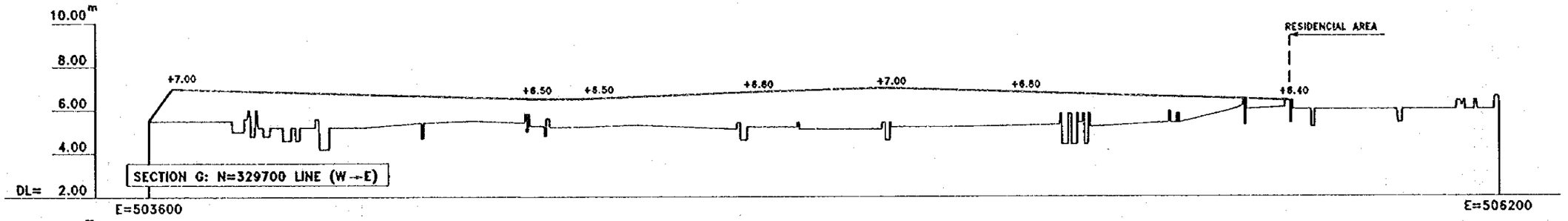


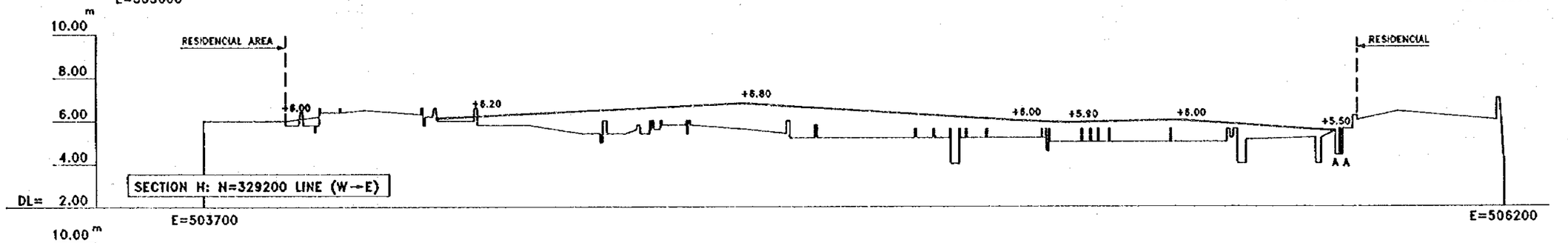
SOCIALIST REPUBLIC OF VIETNAM
THE FEASIBILITY STUDY OF NEW CBD FOR HANOI CITY

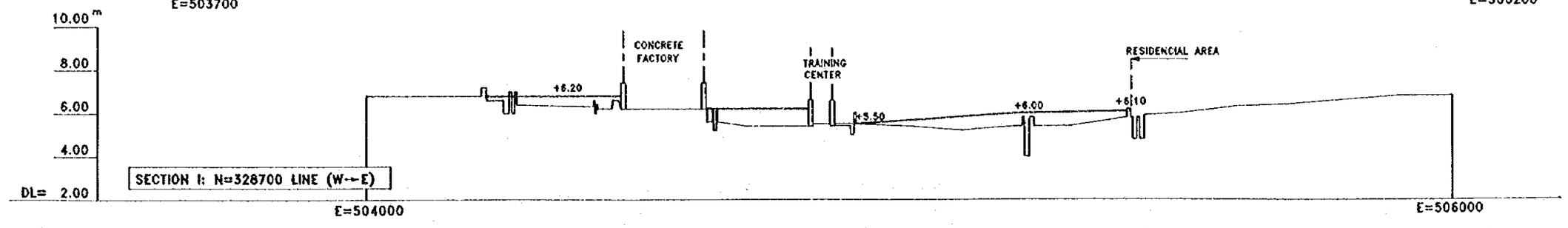
TITLE OF DRAWING	ORIGINAL SCALE	DWG. No.
EMBANKMENT PLANNING (2/2)	H=1:5000 V=1:200	84











SOCIALIST REPUBLIC OF VIETNAM
THE FEASIBILITY STUDY OF NEW CBD FOR HANOI CITY

TITLE OF DRAWING	ORIGINAL SCALE	DWG. No.
EMBANKMENT PLANNING (3/3)	H=1:5000 V=1:200	85