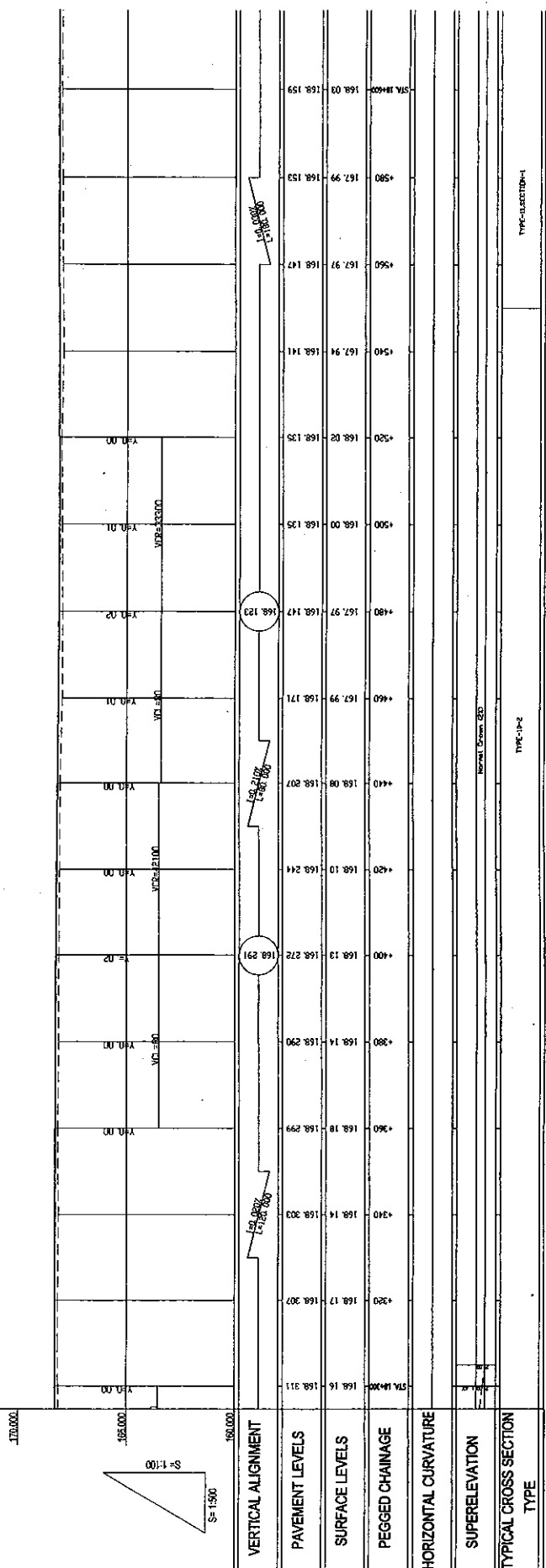
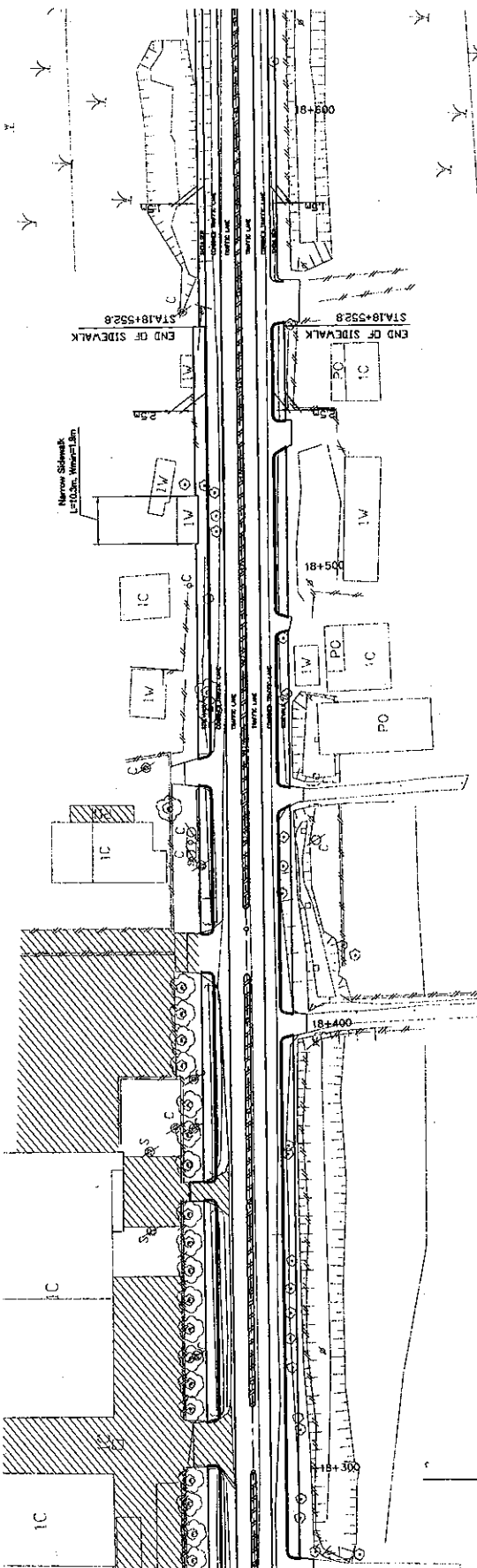
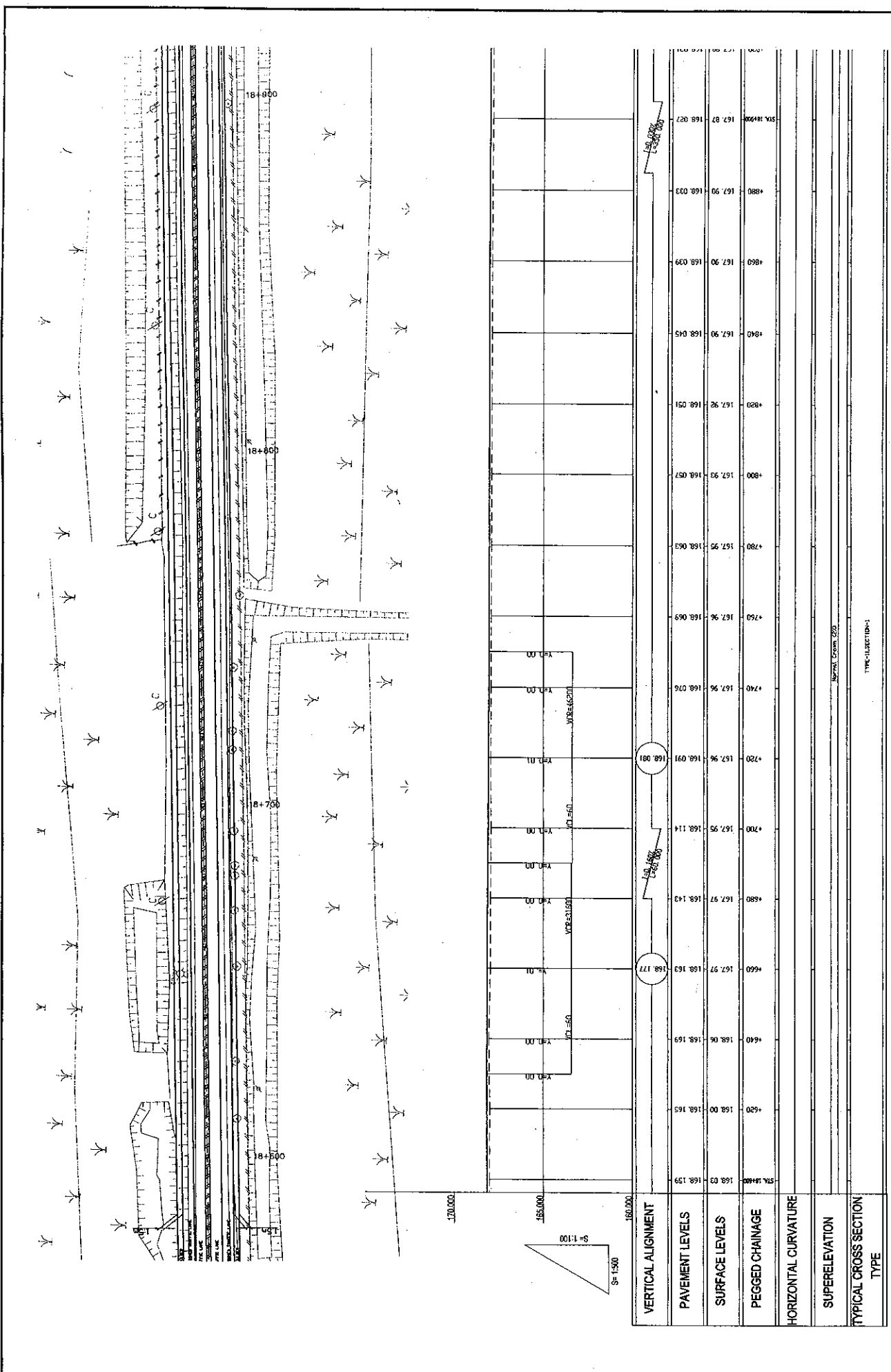


ROADS DEPARTMENT, MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION LAO PEOPLE'S DEMOCRATIC REPUBLIC	BASIC DESIGN STUDY ON THE PROJECT FOR THE IMPROVEMENT OF THE VIENTIANE NO.1 ROAD IN THE LAO PEOPLE'S DEMOCRATIC REPUBLIC	JAPAN INTERNATIONAL COOPERATION AGENCY KATAHIRA & ENGINEERS INTERNATIONAL CTI ENGINEERING INTERNATIONAL CO. LTD	TITLE	PLAN AND PROFILE (STA. 18+000 - STA. 18+300)
			SCALE:	H=1:500 V=1:100
			DRAWING NO:	PL-61
			REV:	



ROADS DEPARTMENT, MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION LAO PEOPLE'S DEMOCRATIC REPUBLIC	BASIC DESIGN STUDY ON THE PROJECT FOR THE IMPROVEMENT OF THE VIENTIANE NO.1 ROAD IN THE LAO PEOPLE'S DEMOCRATIC REPUBLIC	JAPAN INTERNATIONAL COOPERATION AGENCY KATAHIRA & ENGINEERS INTERNATIONAL CITECH ENGINEERING INTERNATIONAL CO., LTD	TITLE:	PLAN AND PROFILE (STA. 18+300 - STA. 18+600)	SCALE:	H=1:500 V=1:100	DRAWING NO:	PL-62
			TYPE-CROSS-SECTION	TYPE-CROSS-SECTION-1	TYPE			



ROADS DEPARTMENT, MINISTRY OF COMMUNICATION
 TRANSPORT, POST AND CONSTRUCTION
 LAO PEOPLE'S DEMOCRATIC REPUBLIC

BASIC DESIGN STUDY ON THE PROJECT FOR THE
 IMPROVEMENT OF THE VIENTIANE NO.1 ROAD IN THE
 LAO PEOPLE'S DEMOCRATIC REPUBLIC

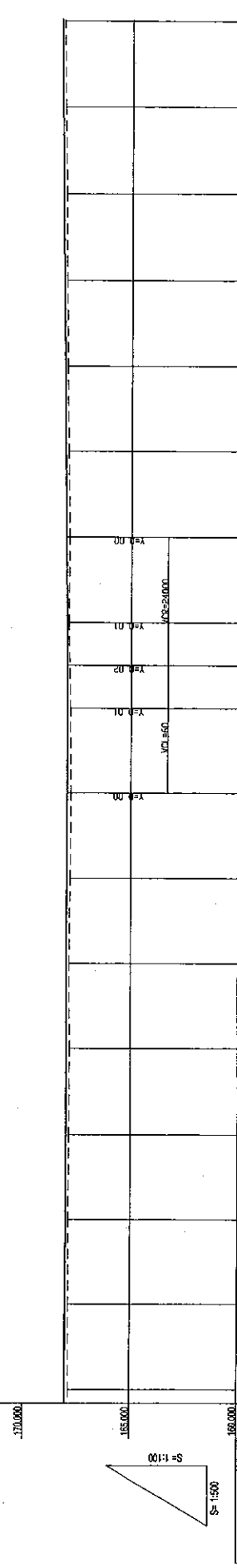
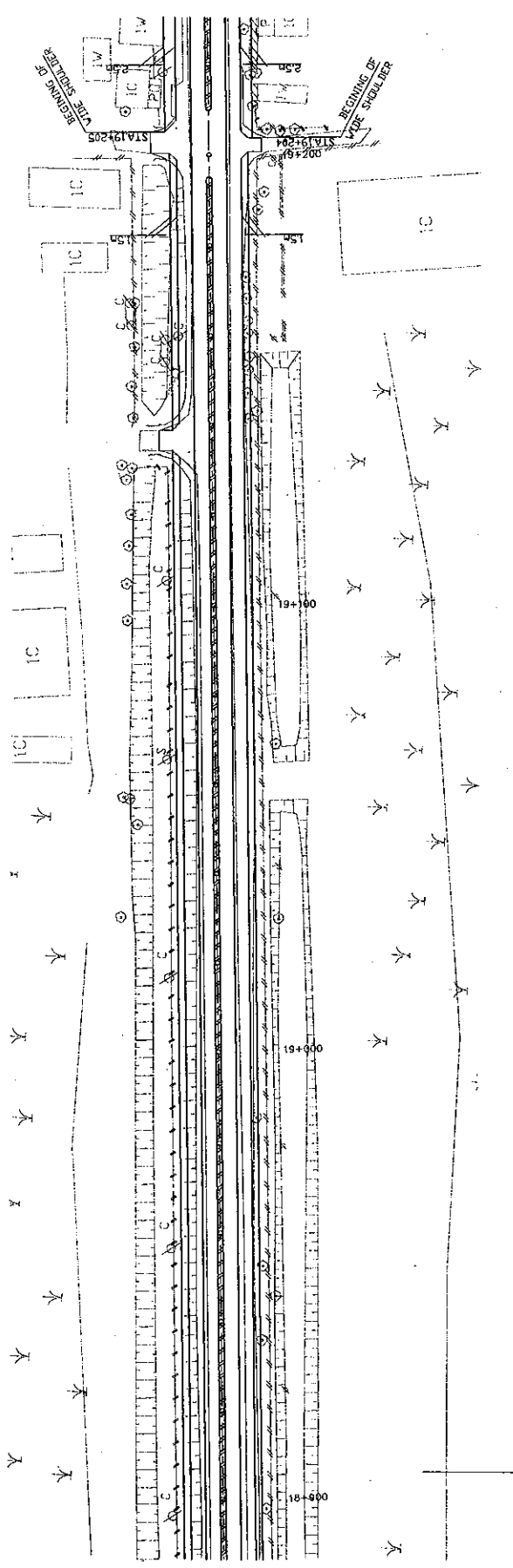
JAPAN INTERNATIONAL COOPERATION AGENCY
 KATAHIRA & ENGINEERS INTERNATIONAL
 CTI ENGINEERING INTERNATIONAL CO., LTD

PLAN AND PROFILE
 (STA. 16-600 - STA. 16-900)

SCALE: H=1:500
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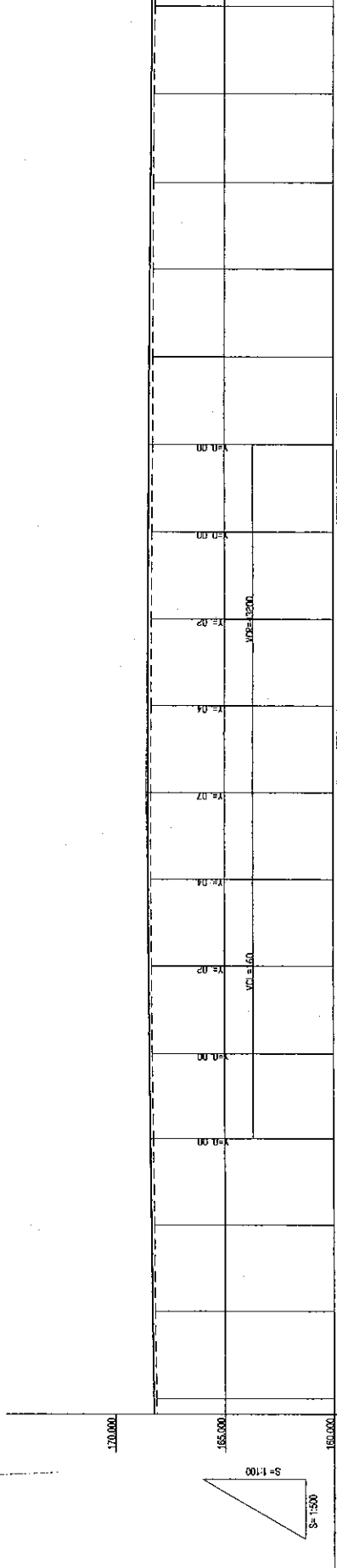
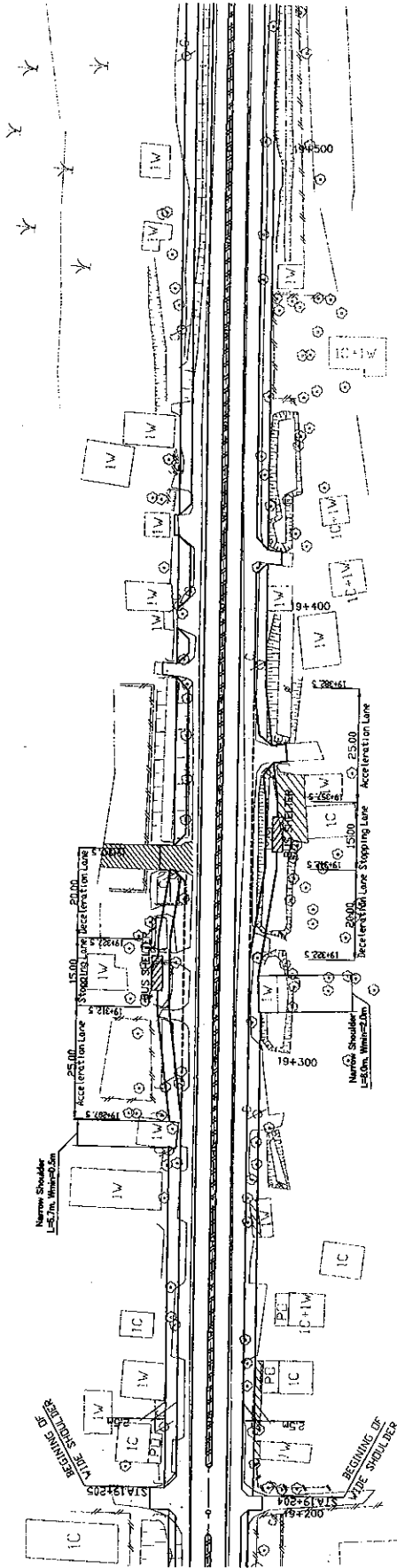
DRAWING NO: PL-63

RV



TYPE	TYPE-SECTION-1	TYPE-SECTION-1
VERTICAL ALIGNMENT		
PAVEMENT LEVELS		
SURFACE LEVELS		
PEGGED CHAINAGE		
HORIZONTAL CURVATURE		
SUPERELEVATION		
TYPICAL CROSS SECTION		

ROADS DEPARTMENT, MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION LAO PEOPLE'S DEMOCRATIC REPUBLIC	BASIC DESIGN STUDY ON THE PROJECT FOR THE IMPROVEMENT OF THE VIENTIANE NO.1 ROAD IN THE LAO PEOPLE'S DEMOCRATIC REPUBLIC	JAPAN INTERNATIONAL COOPERATION AGENCY KATAHIRA & ENGINEERS INTERNATIONAL CITI ENGINEERING INTERNATIONAL CO. LTD	TITLE	PLAN AND PROFILE (STA. 18+00 - STA. 19+20)	SCALE: H=1:500 V=1:100	DRAWING NO: PL-64	RV
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VERTICAL ALIGNMENT	PAVEMENT LEVELS	SURFACE LEVELS	PEGGED CHANGING	HORIZONTAL CURVATURE	SUPERELEVATION	TYPICAL CROSS SECTION TYPE
168.282	168.19	168.306				
168.295	168.25	168.394				
168.31	168.31	168.433				
168.33	168.33	168.463				
168.35	168.35	168.496				
168.37	168.37	168.530				
168.40	168.40	168.564				
168.43	168.43	168.598				
168.46	168.46	168.632				
168.49	168.49	168.666				
168.52	168.52	168.700				
168.55	168.55	168.734				
168.58	168.58	168.768				
168.61	168.61	168.802				
168.64	168.64	168.836				
168.67	168.67	168.870				
168.70	168.70	168.904				
168.73	168.73	168.938				
168.76	168.76	168.972				
168.79	168.79	169.006				
168.82	168.82	169.040				
168.85	168.85	169.074				
168.88	168.88	169.108				
168.91	168.91	169.142				
168.94	168.94	169.176				
168.97	168.97	169.210				
169.00	169.00	169.244				
169.03	169.03	169.278				
169.06	169.06	169.312				
169.09	169.09	169.346				
169.12	169.12	169.380				
169.15	169.15	169.414				
169.18	169.18	169.448				
169.21	169.21	169.482				
169.24	169.24	169.516				
169.27	169.27	169.550				
169.30	169.30	169.584				
169.33	169.33	169.618				
169.36	169.36	169.652				
169.39	169.39	169.686				
169.42	169.42	169.720				
169.45	169.45	169.754				
169.48	169.48	169.788				
169.51	169.51	169.822				
169.54	169.54	169.856				
169.57	169.57	169.890				
169.60	169.60	169.924				
169.63	169.63	169.958				
169.66	169.66	169.992				
169.69	169.69	170.026				
169.72	169.72	170.060				
169.75	169.75	170.094				
169.78	169.78	170.128				
169.81	169.81	170.162				
169.84	169.84	170.196				
169.87	169.87	170.230				
169.90	169.90	170.264				
169.93	169.93	170.298				
169.96	169.96	170.332				
169.99	169.99	170.366				
170.02	170.02	170.400				
170.05	170.05	170.434				
170.08	170.08	170.468				
170.11	170.11	170.502				
170.14	170.14	170.536				
170.17	170.17	170.570				
170.20	170.20	170.604				
170.23	170.23	170.638				
170.26	170.26	170.672				
170.29	170.29	170.706				
170.32	170.32	170.740				
170.35	170.35	170.774				
170.38	170.38	170.808				
170.41	170.41	170.842				
170.44	170.44	170.876				
170.47	170.47	170.910				
170.50	170.50	170.944				
170.53	170.53	170.978				
170.56	170.56	171.012				
170.59	170.59	171.046				
170.62	170.62	171.080				
170.65	170.65	171.114				
170.68	170.68	171.148				
170.71	170.71	171.182				
170.74	170.74	171.216				
170.77	170.77	171.250				
170.80	170.80	171.284				
170.83	170.83	171.318				
170.86	170.86	171.352				
170.89	170.89	171.386				
170.92	170.92	171.420				
170.95	170.95	171.454				
170.98	170.98	171.488				
171.01	171.01	171.522				
171.04	171.04	171.556				
171.07	171.07	171.590				
171.10	171.10	171.624				
171.13	171.13	171.658				
171.16	171.16	171.692				
171.19	171.19	171.726				
171.22	171.22	171.760				
171.25	171.25	171.794				
171.28	171.28	171.828				
171.31	171.31	171.862				
171.34	171.34	171.896				
171.37	171.37	171.930				
171.40	171.40	171.964				
171.43	171.43	171.998				
171.46	171.46	172.032				
171.49	171.49	172.066				
171.52	171.52	172.100				

ROADS DEPARTMENT, MINISTRY OF COMMUNICATION
 TRANSPORT, POST AND CONSTRUCTION
 LAO PEOPLE'S DEMOCRATIC REPUBLIC

BASIC DESIGN STUDY ON THE PROJECT FOR THE
 IMPROVEMENT OF THE VIENTIANE NO.1 ROAD IN THE
 LAO PEOPLE'S DEMOCRATIC REPUBLIC

JAPAN INTERNATIONAL COOPERATION AGENCY
 KATAHIRA & ENGINEERS INTERNATIONAL
 CITI ENGINEERING INTERNATIONAL CO, LTD

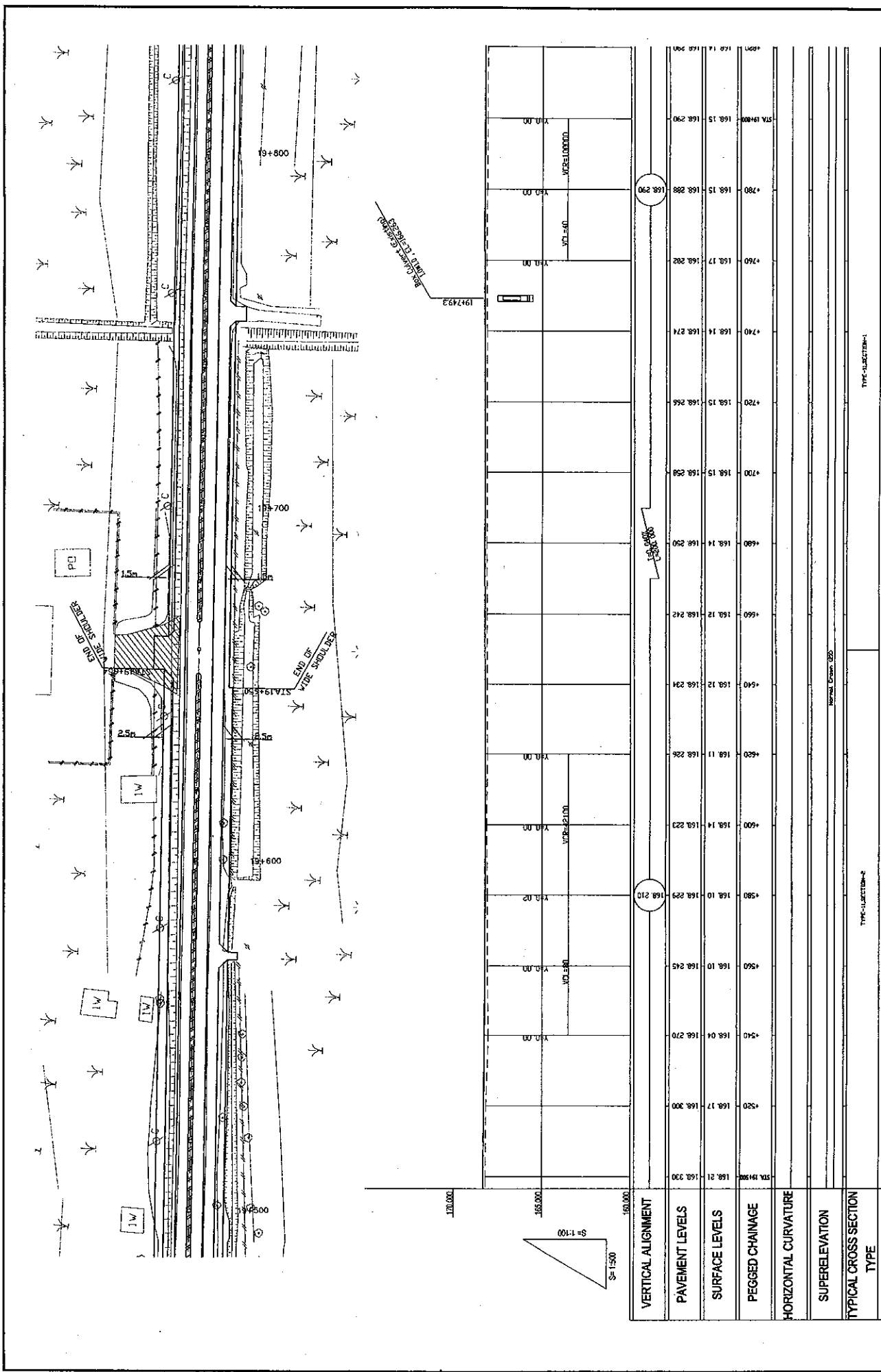
PLAN AND PROFILE
 (STA. 19+200 - STA. 19+500)

SCALE:
 H=1:500
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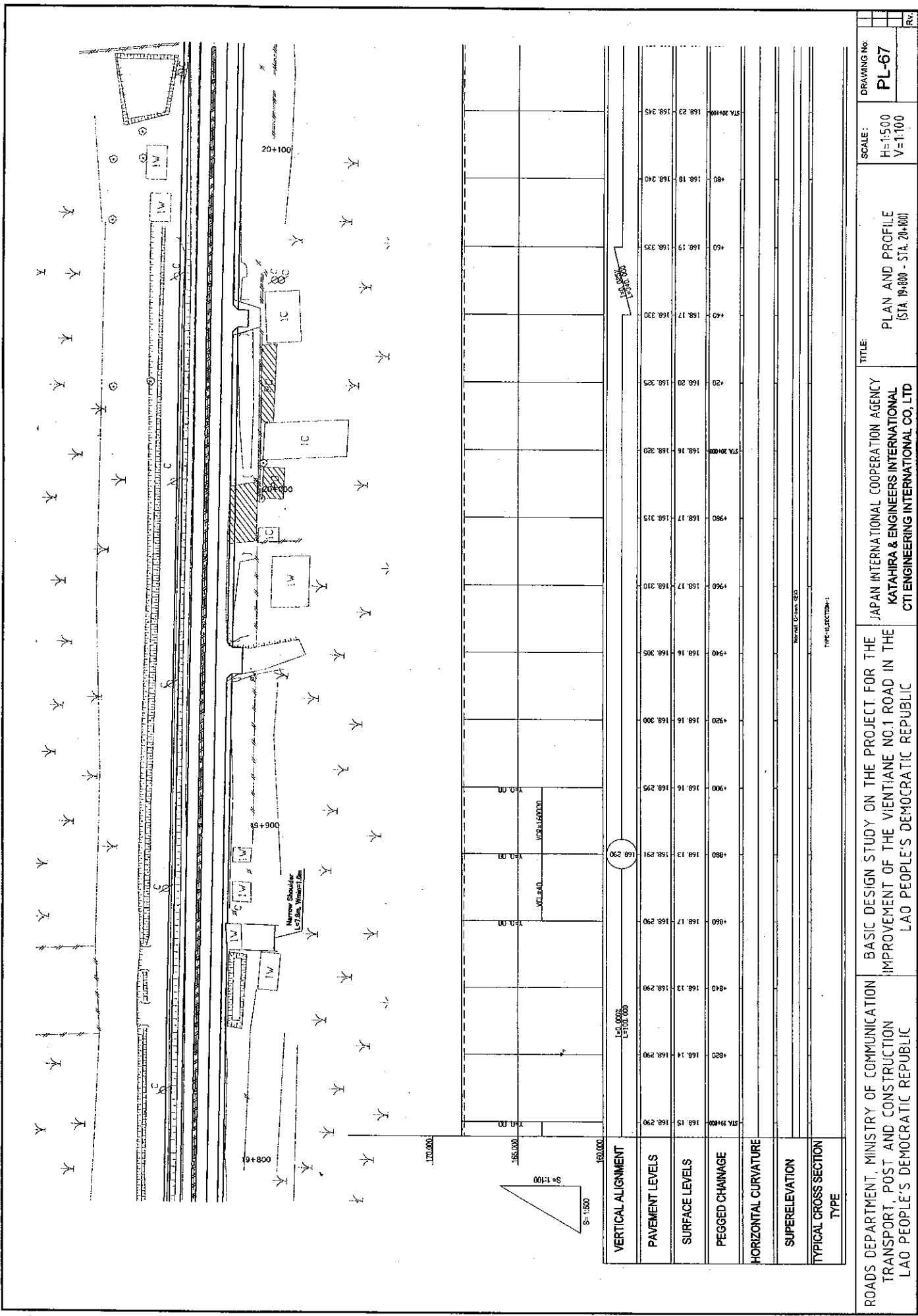
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PL-65

REV.

TYPE: ALSECTION-2

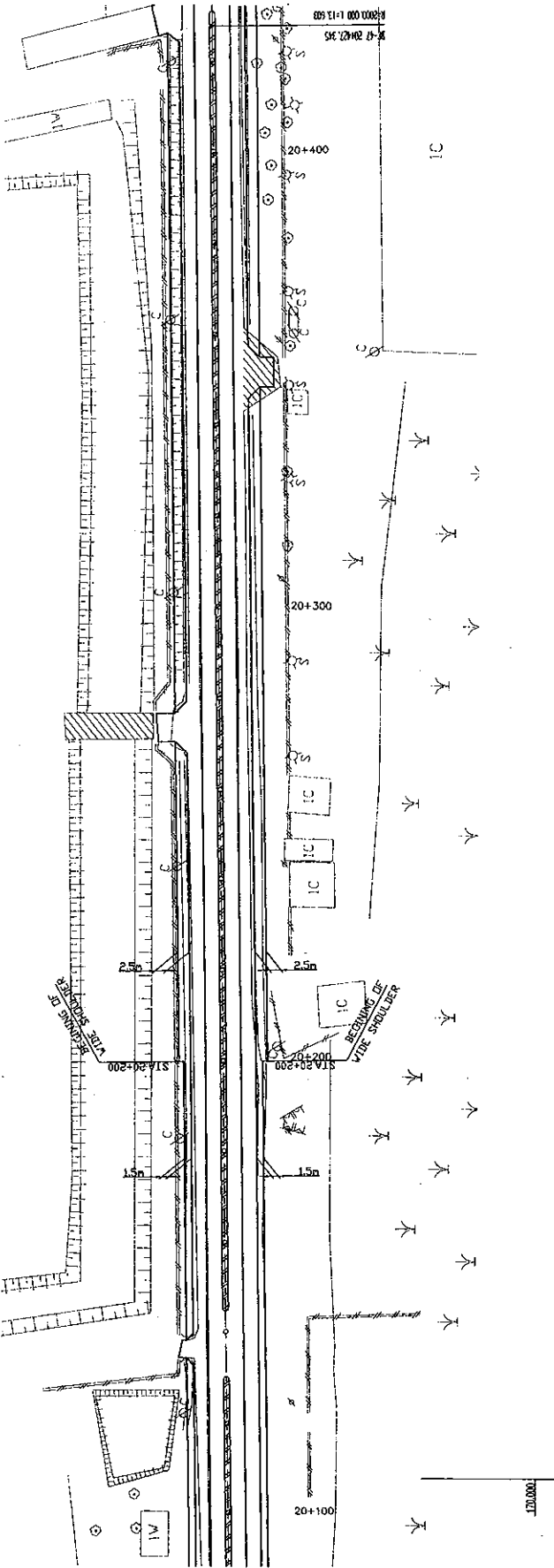


DRAWING No:	SCALE:	TITLE:	JAPAN INTERNATIONAL COOPERATION AGENCY KATAHIRA & ENGINEERS INTERNATIONAL CTI ENGINEERING INTERNATIONAL CO. LTD	ROADS DEPARTMENT, MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION LAO PEOPLE'S DEMOCRATIC REPUBLIC	BASIC DESIGN STUDY ON THE PROJECT FOR THE IMPROVEMENT OF THE VIETIANE NO.1 ROAD IN THE LAO PEOPLE'S DEMOCRATIC REPUBLIC	SCALE: H=1:500 V=1:100	PL-66	REV.

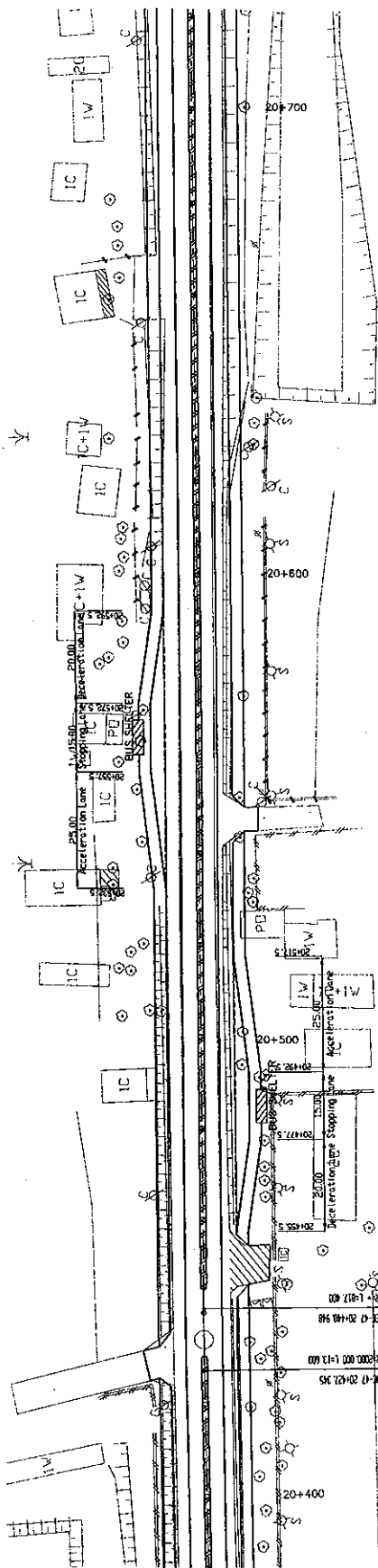


ROADS DEPARTMENT, MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION LAO PEOPLE'S DEMOCRATIC REPUBLIC		BASIC DESIGN STUDY ON THE PROJECT FOR THE IMPROVEMENT OF THE VIENTIANE NO.1 ROAD IN THE LAO PEOPLE'S DEMOCRATIC REPUBLIC		JAPAN INTERNATIONAL COOPERATION AGENCY KATAHIRA & ENGINEERS INTERNATIONAL CTI ENGINEERING INTERNATIONAL CO. LTD		TITLE: PLAN AND PROFILE (STA. 19+000 - STA. 20+000)		SCALE: H=1:500 V=1:100		DRAWING NO: PL-67	
STA 19+000 168.15 168.20 168.25 168.30 168.35 168.40 168.45 168.50 168.55 168.60 168.65 168.70 168.75 168.80 168.85 168.90 168.95 169.00 169.05 169.10 169.15 169.20 169.25 169.30 169.35 169.40 169.45 169.50 169.55 169.60 169.65 169.70 169.75 169.80 169.85 169.90 169.95 170.00											
STA 20+000 168.16 168.21 168.26 168.31 168.36 168.41 168.46 168.51 168.56 168.61 168.66 168.71 168.76 168.81 168.86 168.91 168.96 169.01 169.06 169.11 169.16 169.21 169.26 169.31 169.36 169.41 169.46 169.51 169.56 169.61 169.66 169.71 169.76 169.81 169.86 169.91 169.96 170.00											
STA 20+100 168.23 168.28 168.33 168.38 168.43 168.48 168.53 168.58 168.63 168.68 168.73 168.78 168.83 168.88 168.93 168.98 169.03 169.08 169.13 169.18 169.23 169.28 169.33 169.38 169.43 169.48 169.53 169.58 169.63 169.68 169.73 169.78 169.83 169.88 169.93 169.98 170.00											
VERTICAL ALIGNMENT L=0.000% L=100.000											
PAVEMENT LEVELS SURFACE LEVELS PEGGED CHANGE HORIZONTAL CURVATURE SUPERELEVATION TYPICAL CROSS SECTION TYPE											

ROADS DEPARTMENT, MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION LAO PEOPLE'S DEMOCRATIC REPUBLIC	BASIC DESIGN STUDY ON THE PROJECT FOR THE IMPROVEMENT OF THE VIENTIANE NO.1 ROAD IN THE LAO PEOPLE'S DEMOCRATIC REPUBLIC	JAPAN INTERNATIONAL COOPERATION AGENCY KATAHIRA & ENGINEERS INTERNATIONAL CTI ENGINEERING INTERNATIONAL CO. LTD	TITLE: PLAN AND PROFILE (STA. 20+00 - STA. 20+00)	SCALE: H=1:500 V=1:100	DRAWING NO: PL-68
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VERTICAL ALIGNMENT	PAVEMENT LEVELS	SURFACE LEVELS	PEGGED CHAINAGE	HORIZONTAL CURVATURE	SUPERELEVATION	TYPICAL CROSS SECTION TYPE
150.000	168.23	168.23	168.23			TYPE-CROSS-SECTION-1
150.000	168.22	168.22	168.22			TYPE-CROSS-SECTION-1
150.000	168.21	168.21	168.21			TYPE-CROSS-SECTION-1
150.000	168.20	168.20	168.20			TYPE-CROSS-SECTION-1
150.000	168.19	168.19	168.19			TYPE-CROSS-SECTION-1
150.000	168.18	168.18	168.18			TYPE-CROSS-SECTION-1
150.000	168.17	168.17	168.17			TYPE-CROSS-SECTION-1
150.000	168.16	168.16	168.16			TYPE-CROSS-SECTION-1
150.000	168.15	168.15	168.15			TYPE-CROSS-SECTION-1
150.000	168.14	168.14	168.14			TYPE-CROSS-SECTION-1
150.000	168.13	168.13	168.13			TYPE-CROSS-SECTION-1
150.000	168.12	168.12	168.12			TYPE-CROSS-SECTION-1
150.000	168.11	168.11	168.11			TYPE-CROSS-SECTION-1
150.000	168.10	168.10	168.10			TYPE-CROSS-SECTION-1
150.000	168.09	168.09	168.09			TYPE-CROSS-SECTION-1
150.000	168.08	168.08	168.08			TYPE-CROSS-SECTION-1
150.000	168.07	168.07	168.07			TYPE-CROSS-SECTION-1
150.000	168.06	168.06	168.06			TYPE-CROSS-SECTION-1
150.000	168.05	168.05	168.05			TYPE-CROSS-SECTION-1
150.000	168.04	168.04	168.04			TYPE-CROSS-SECTION-1
150.000	168.03	168.03	168.03			TYPE-CROSS-SECTION-1
150.000	168.02	168.02	168.02			TYPE-CROSS-SECTION-1
150.000	168.01	168.01	168.01			TYPE-CROSS-SECTION-1
150.000	168.00	168.00	168.00			TYPE-CROSS-SECTION-1

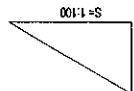


IC

170.000

165.000

160.000



VERTICAL ALIGNMENT

PAVEMENT LEVELS

SURFACE LEVELS

PEGGED CHAINAGE

HORIZONTAL CURVATURE

SUPERELEVATION

TYPICAL CROSS SECTION TYPE

STN 20+400	158.437	158.30	158.411	158.27	158.411	158.30	158.437
+420	158.27	158.411	158.27	158.411	158.27	158.411	158.27
BC-47	158.24	158.401	158.24	158.401	158.24	158.401	158.24
158.49	158.38	158.49	158.38	158.49	158.38	158.49	158.38
+450	158.21	158.358	158.21	158.358	158.21	158.358	158.21
+480	158.15	158.32	158.15	158.32	158.15	158.32	158.15
+300	158.11	158.279	158.11	158.279	158.11	158.279	158.11
+540	158.10	158.25	158.10	158.25	158.10	158.25	158.10
+560	158.09	158.226	158.09	158.226	158.09	158.226	158.09
+580	158.09	158.200	158.09	158.200	158.09	158.200	158.09
+600	158.05	158.173	158.05	158.173	158.05	158.173	158.05
+620	158.01	158.147	158.01	158.147	158.01	158.147	158.01
+640	158.00	158.121	158.00	158.121	158.00	158.121	158.00
+660	157.93	158.094	157.93	158.094	157.93	158.094	157.93
+680	157.90	158.068	157.90	158.068	157.90	158.068	157.90
STN 20+700	158.041						158.041

ROADS DEPARTMENT, MINISTRY OF COMMUNICATION
 TRANSPORT, POST AND CONSTRUCTION
 LAO PEOPLE'S DEMOCRATIC REPUBLIC

BASIC DESIGN STUDY ON THE PROJECT FOR THE
 IMPROVEMENT OF THE VIENTIANE NO.1 ROAD IN THE
 LAO PEOPLE'S DEMOCRATIC REPUBLIC

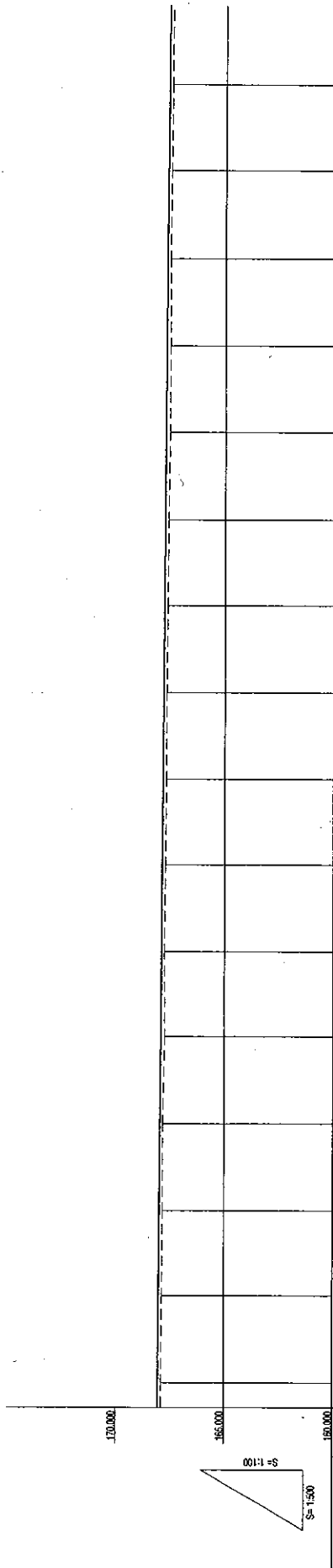
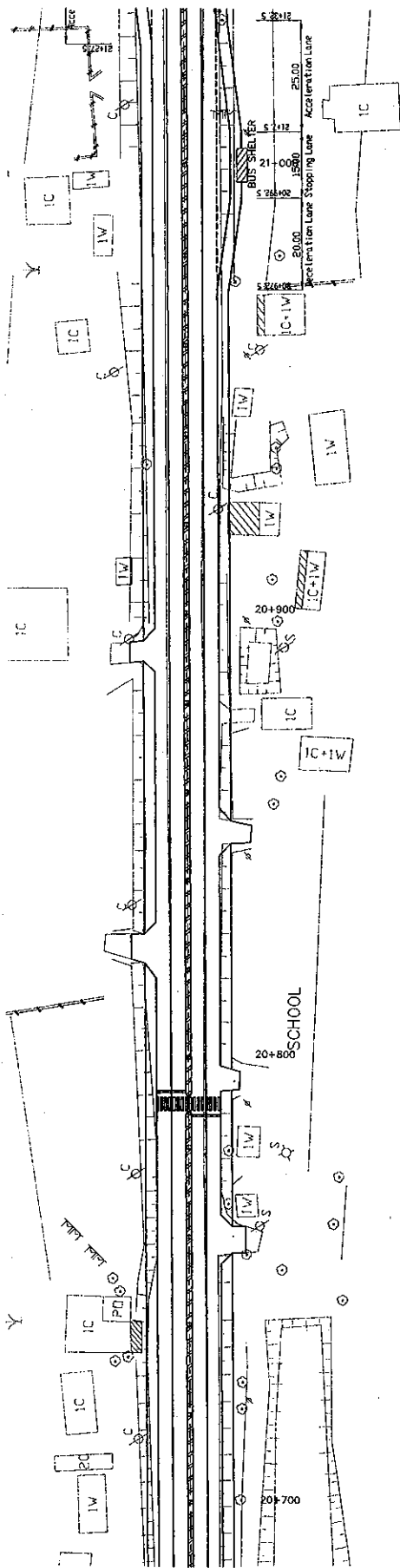
JAPAN INTERNATIONAL COOPERATION AGENCY
 KATAHIRA & ENGINEERS INTERNATIONAL
 CTI ENGINEERING INTERNATIONAL CO. LTD

TITLE:
 PLAN AND PROFILE
 (STA. 20+400 - STA. 20+700)

SCALE:
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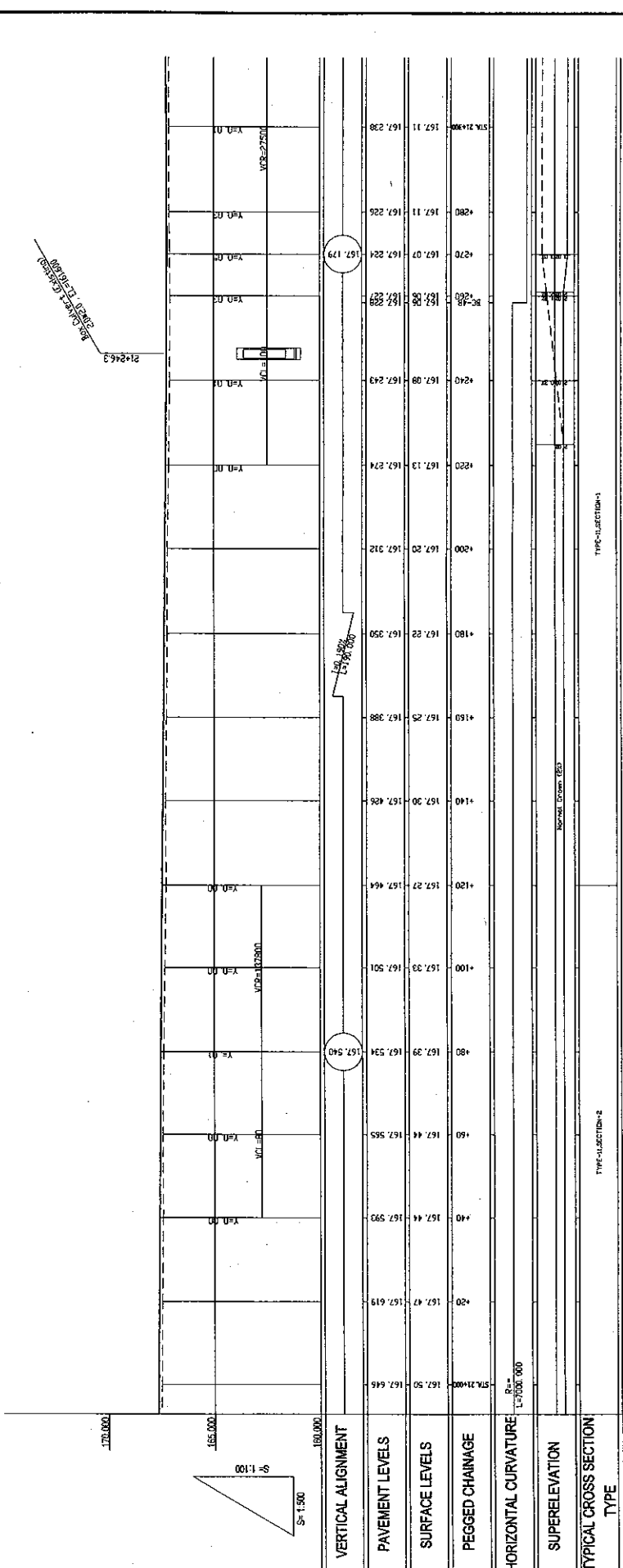
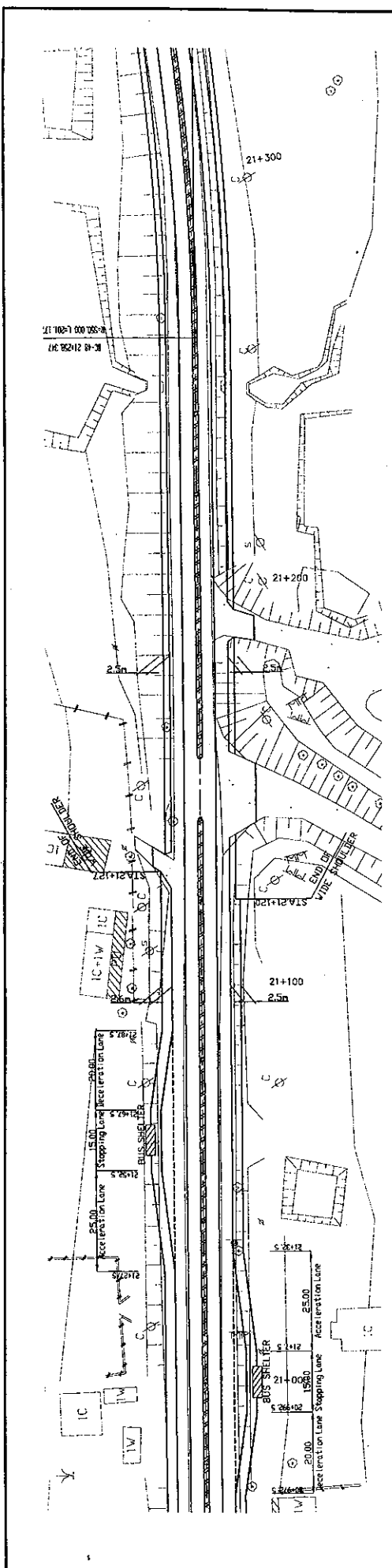
DRAWING NO:
PL-69

Rv

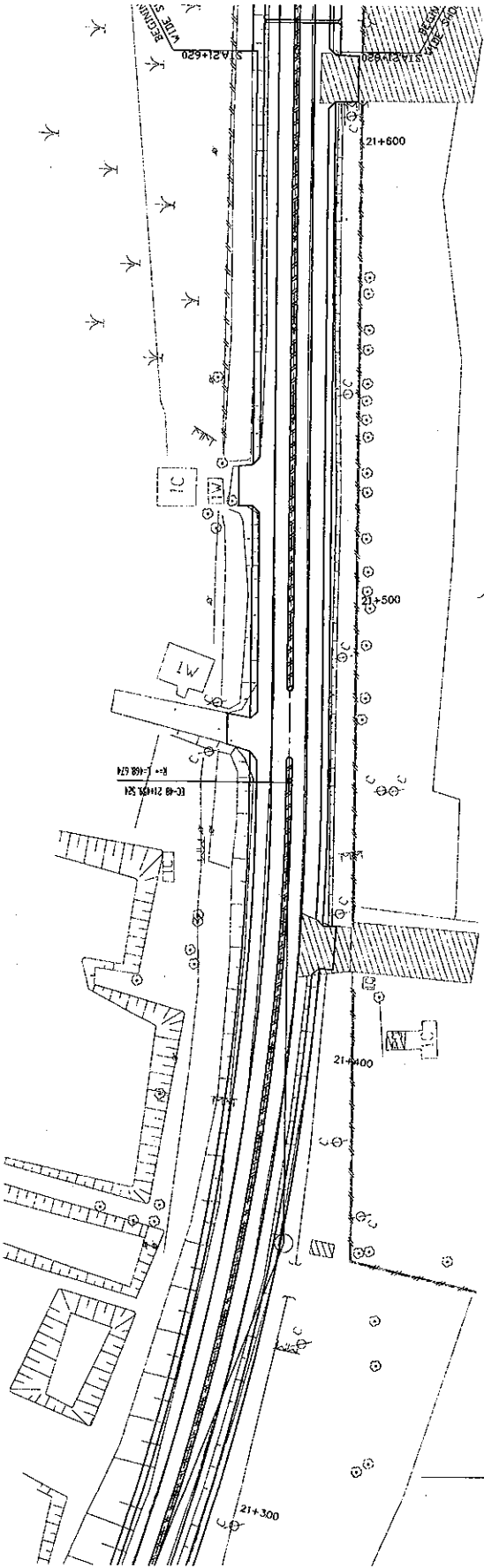


VERTICAL ALIGNMENT	STATION	ELEVATION (M)
PAVEMENT LEVELS	20+00	157.90
	20+10	157.99
SURFACE LEVELS	20+00	157.84
	20+10	157.93
PEGGED CHAINAGE	20+00	157.88
	20+10	157.96
HORIZONTAL CURVATURE	20+00	157.78
	20+10	157.909
SUPERELEVATION	20+00	157.73
	20+10	157.83
TYPICAL CROSS SECTION TYPE	20+00	157.70
	20+10	157.837
	20+20	157.72
	20+30	157.803
	20+40	157.69
	20+50	157.830
	20+60	157.65
	20+70	157.804
	20+80	157.62
	20+90	157.778
	20+100	157.56
	20+110	157.751
	20+120	157.55
	20+130	157.698
	20+140	157.52
	20+150	157.672
	20+160	157.50
	20+170	157.646

ROADS DEPARTMENT, MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION LAO PEOPLE'S DEMOCRATIC REPUBLIC	BASIC DESIGN STUDY ON THE PROJECT FOR THE IMPROVEMENT OF THE VIENTIANE NO.1 ROAD IN THE LAO PEOPLE'S DEMOCRATIC REPUBLIC	JAPAN INTERNATIONAL COOPERATION AGENCY KATAHIRA & ENGINEERS INTERNATIONAL CTE ENGINEERING INTERNATIONAL CO., LTD	TITLE: PLAN AND PROFILE (STA. 20+700 - STA. 21+000)	SCALE: H=1:500 V=1:100	DRAWING NO: PL-70
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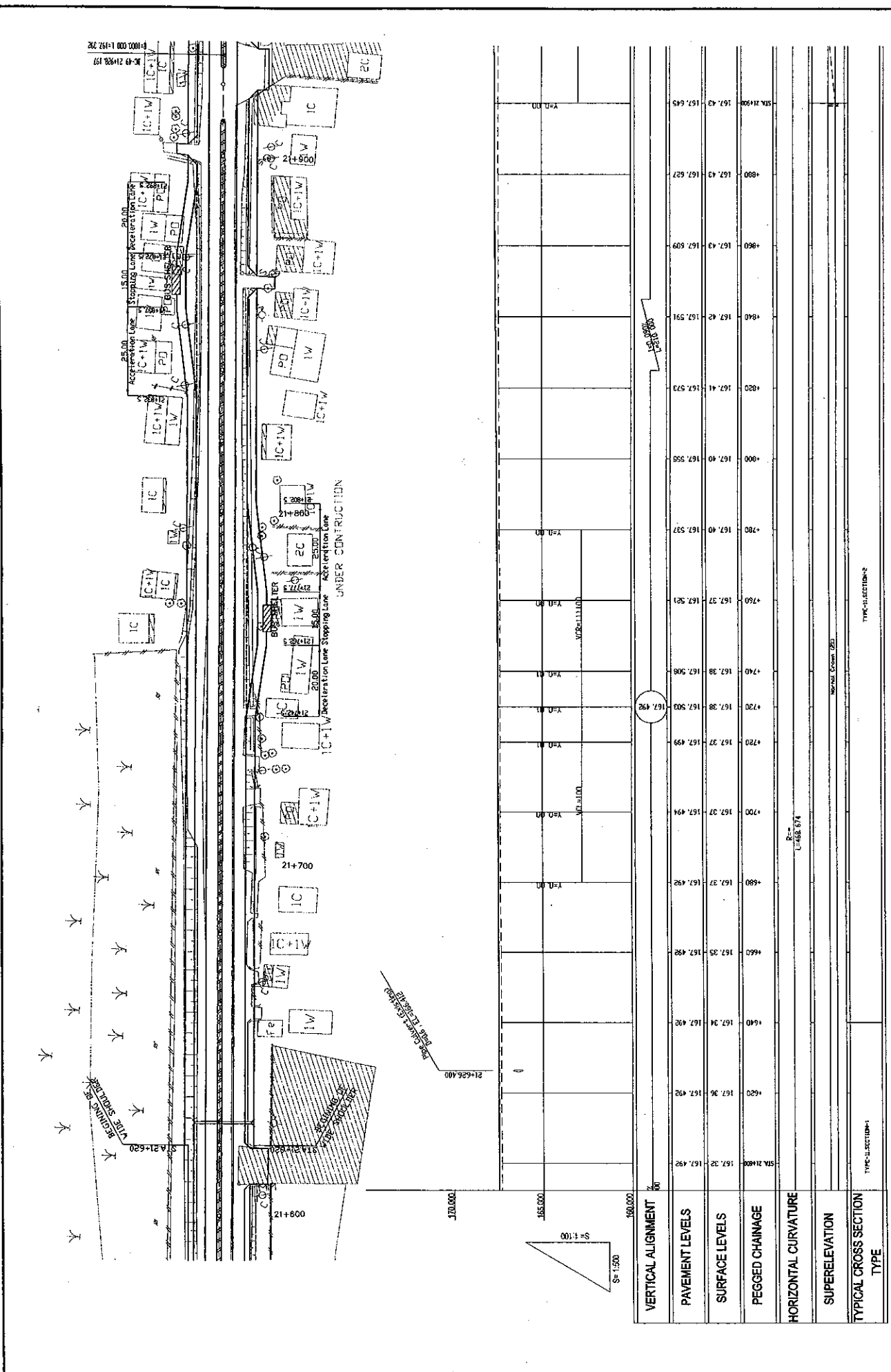


ROADS DEPARTMENT, MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION LAO PEOPLE'S DEMOCRATIC REPUBLIC		BASIC DESIGN STUDY ON THE PROJECT FOR THE IMPROVEMENT OF THE VIENTIANE NO.1 ROAD IN THE LAO PEOPLE'S DEMOCRATIC REPUBLIC		JAPAN INTERNATIONAL COOPERATION AGENCY KATAHIRA & ENGINEERS INTERNATIONAL CIT ENGINEERING INTERNATIONAL CO. LTD		TITLE: PLAN AND PROFILE (STA. 21+00 - STA. 21+300)		SCALE: H=1:500 V=1:100		DRAWING NO: PL-71	
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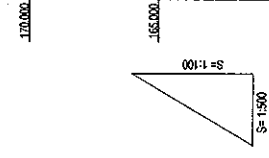
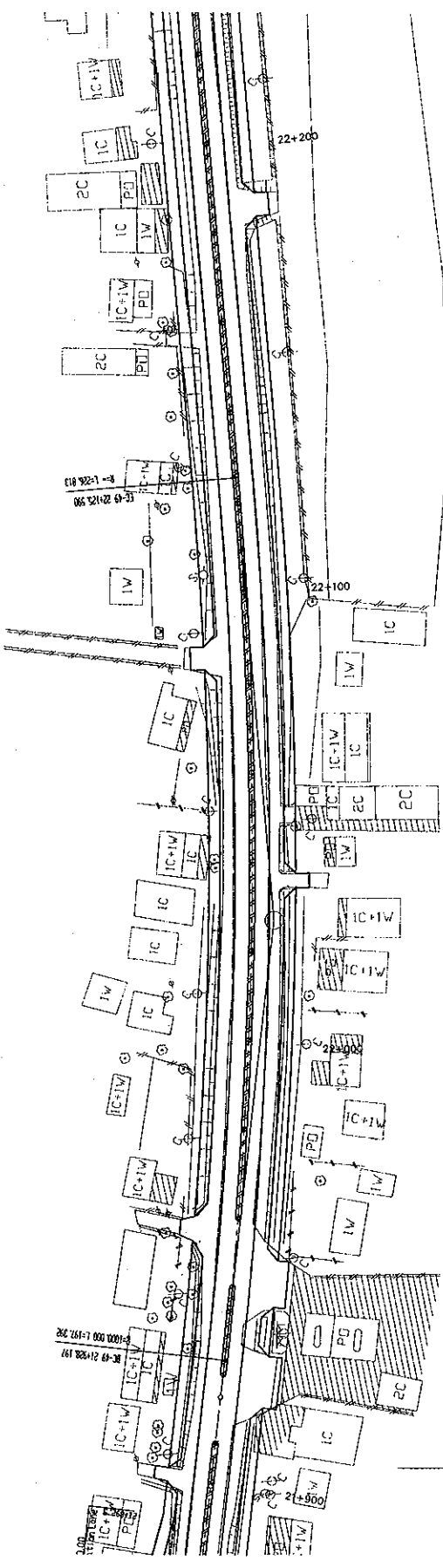


TYPE	SECTION	TYPE	SECTION
NORMAL CROSS SECTION			
TYPE-II SECTION			
TYPE-III SECTION			
TYPE-IV SECTION			
TYPE-V SECTION			
TYPE-VI SECTION			
TYPE-VII SECTION			
TYPE-VIII SECTION			
TYPE-IX SECTION			
TYPE-X SECTION			
TYPE-XI SECTION			
TYPE-XII SECTION			
TYPE-XIII SECTION			
TYPE-XIV SECTION			
TYPE-XV SECTION			
TYPE-XVI SECTION			
TYPE-XVII SECTION			
TYPE-XVIII SECTION			
TYPE-XIX SECTION			
TYPE-XX SECTION			
TYPE-XXI SECTION			
TYPE-XXII SECTION			
TYPE-XXIII SECTION			
TYPE-XXIV SECTION			
TYPE-XXV SECTION			
TYPE-XXVI SECTION			
TYPE-XXVII SECTION			
TYPE-XXVIII SECTION			
TYPE-XXIX SECTION			
TYPE-XXX SECTION			

ROADS DEPARTMENT, MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION LAO PEOPLE'S DEMOCRATIC REPUBLIC	BASIC DESIGN STUDY ON THE PROJECT FOR THE IMPROVEMENT OF THE VIENTIANE NO.1 ROAD IN THE LAO PEOPLE'S DEMOCRATIC REPUBLIC	JAPAN INTERNATIONAL COOPERATION AGENCY KATAHIRA & ENGINEERS INTERNATIONAL CTI ENGINEERING INTERNATIONAL CO., LTD	TITLE: PLAN AND PROFILE (STA. 21+300 - STA. 21+600)	SCALE: H=1:500 V=1:100	DRAWING NO: PL-72
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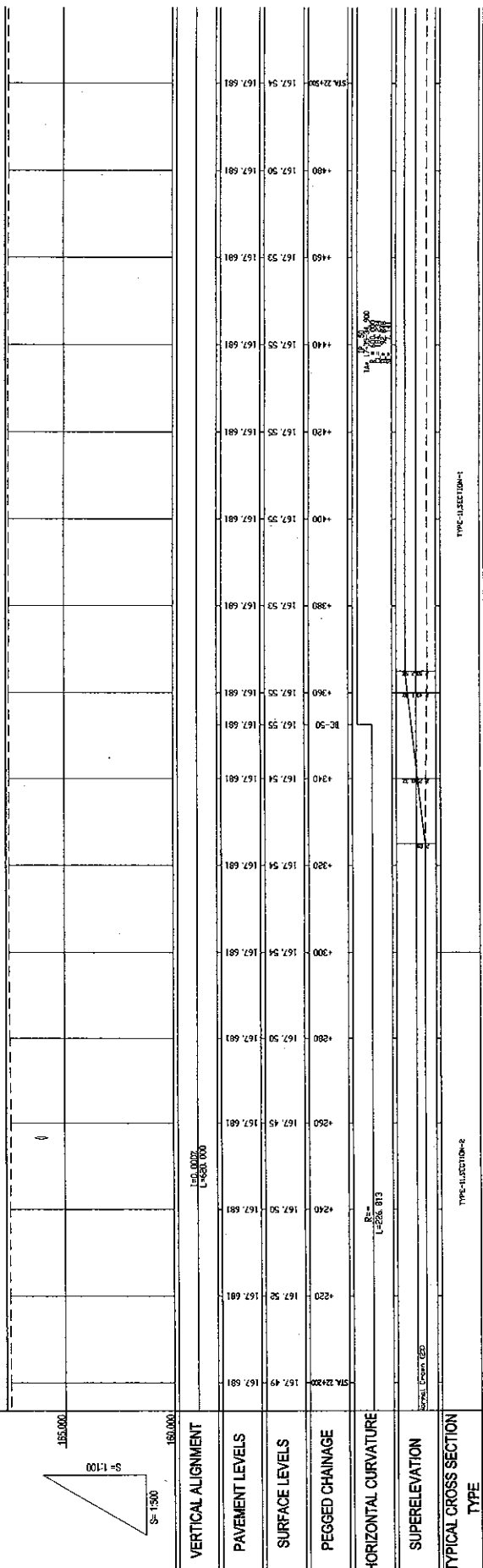
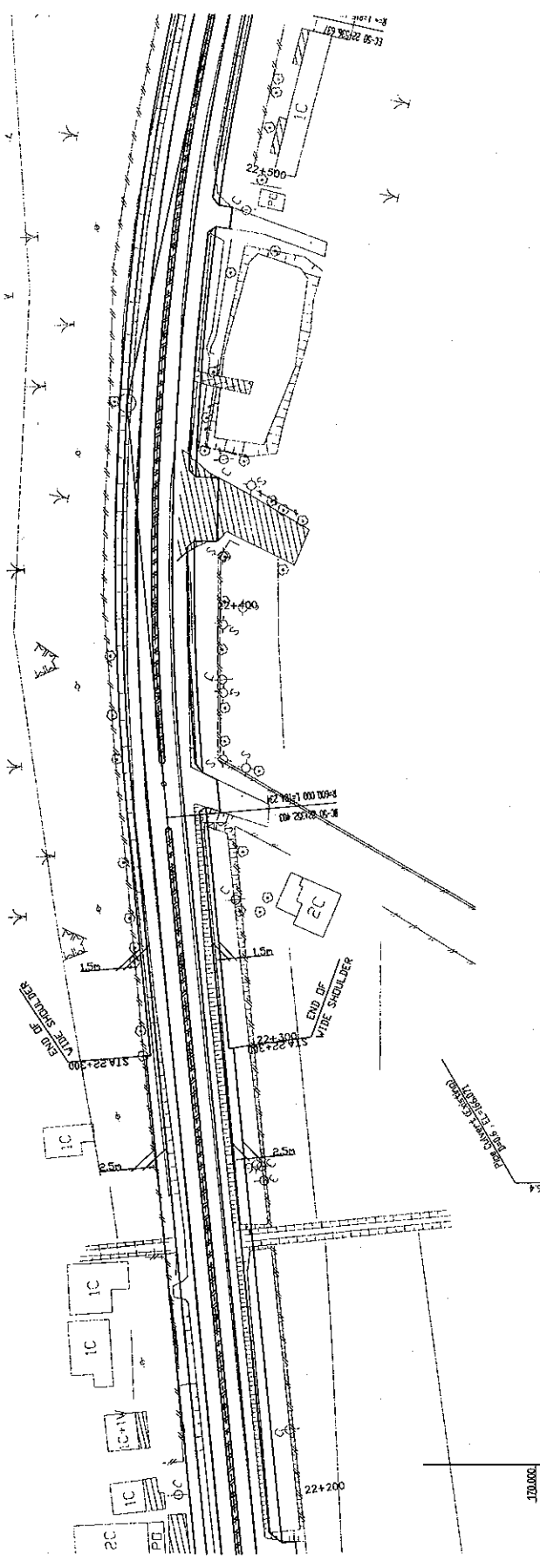


ROADS DEPARTMENT, MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION LAO PEOPLE'S DEMOCRATIC REPUBLIC		BASIC DESIGN STUDY ON THE PROJECT FOR THE IMPROVEMENT OF THE VIENTIANE NO.1 ROAD IN THE LAO PEOPLE'S DEMOCRATIC REPUBLIC		JAPAN INTERNATIONAL COOPERATION AGENCY KATAHIRA & ENGINEERS INTERNATIONAL CTI ENGINEERING INTERNATIONAL CO. LTD		TITLE: PLAN AND PROFILE (STA. 21+600 - STA. 21+900)		SCALE: H=1:500 V=1:100		DRAWING NO: PL-73	
TYPE-CROSS SECTION-1		TYPE-C-CURVATURE-2		TYPE-C-SECTION-2		TYPE-C-SECTION-2		TYPE-C-SECTION-2		REV.	

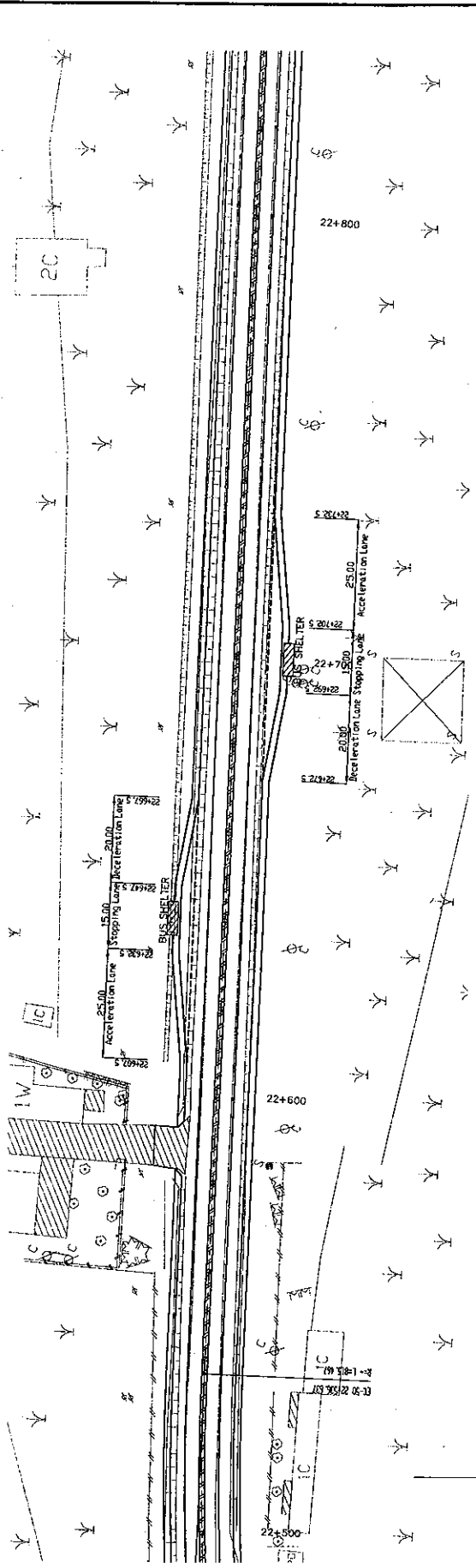


TYPE	SECTION	TYPE
VERTICAL ALIGNMENT		
PAYEMENT LEVELS		
SURFACE LEVELS		
PEGGED CHAINAGE		
HORIZONTAL CURVATURE		
SUPERELEVATION		
TYPICAL CROSS SECTION		
TYPE		

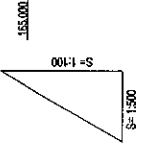
ROADS DEPARTMENT, MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION LAO PEOPLE'S DEMOCRATIC REPUBLIC	BASIC DESIGN STUDY ON THE PROJECT FOR THE IMPROVEMENT OF THE VIENTIANE NO.1 ROAD IN THE LAO PEOPLE'S DEMOCRATIC REPUBLIC	JAPAN INTERNATIONAL COOPERATION AGENCY KATAHIRA & ENGINEERS INTERNATIONAL CTI ENGINEERING INTERNATIONAL CO., LTD	TITLE:	PLAN AND PROFILE (STA. 21+900 - STA. 22+200)
			SCALE:	H=1:500 V=1:100
			DRAWING NO:	PL-74
				Rv



ROADS DEPARTMENT, MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION LAO PEOPLE'S DEMOCRATIC REPUBLIC	BASIC DESIGN STUDY ON THE PROJECT FOR THE IMPROVEMENT OF THE VIENTIANE NO.1 ROAD IN THE LAO PEOPLE'S DEMOCRATIC REPUBLIC	JAPAN INTERNATIONAL COOPERATION AGENCY KATAHIRA & ENGINEERS INTERNATIONAL CTI ENGINEERING INTERNATIONAL CO. LTD	TITLE	PLAN AND PROFILE (STA. 22+200 - STA. 22+500)	SCALE: H=1:500 V=1:100	DRAWING No: PL-75	REV.
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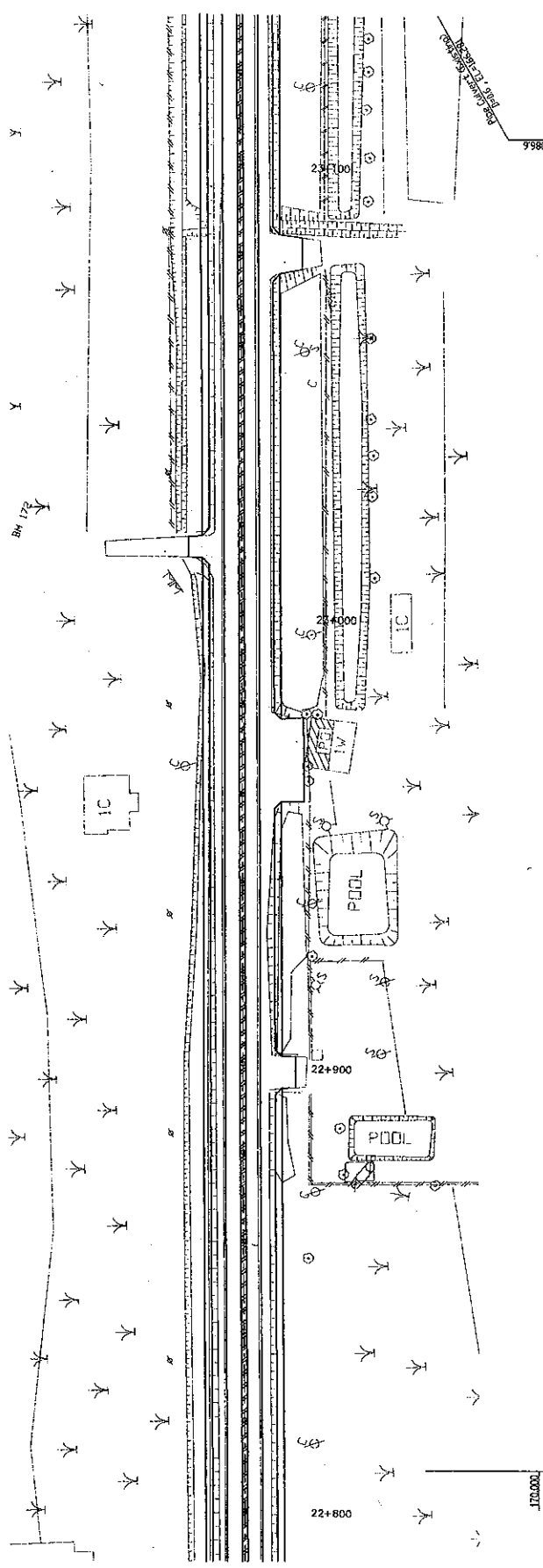
120.000



150.000

VERTICAL ALIGNMENT	PAVEMENT LEVELS	SURFACE LEVELS	PEGGED CHAINAGE	HORIZONTAL CURVATURE	SUPERELEVATION	TYPICAL CROSS SECTION TYPE
STA. 22+800	157.51	157.51	157.51			
4780	157.52	157.48	157.643			
4760	157.48	157.47	157.643			
4740	157.47	157.639				
4720	157.50	157.637				
4700	157.51	157.650	157.631			
4680	157.49	157.679				
4660	157.56	157.720				
4640	157.63	157.744	157.769			
4620	157.58	157.744				
4600	157.48	157.729				
4580	157.51	157.704				
4560	157.48	157.689	157.681			
4540	157.54	157.682				
IC-50	157.54	157.682				
4530	157.54	157.681				
STA. 22+800	157.54	157.681				

TYPE=ALSECTION-1



VERTICAL ALIGNMENT	+80		+60		+40		+20		STA 23+000		167.691		STA 23+400	
PAVEMENT LEVELS	167.31	167.50	167.52	167.591	167.46	167.691	167.52	167.690	167.52	167.588	167.52	167.588	167.52	167.588
SURFACE LEVELS	167.31	167.50	167.52	167.691	167.46	167.691	167.52	167.690	167.52	167.588	167.52	167.588	167.52	167.588
PEGGED CHAINAGE														
HORIZONTAL CURVATURE	R=20000													
SUPERELEVATION	L=815.407													
TYPICAL CROSS SECTION	NORMAL CROSS 200													
TYPE	TYPE=USUBCTDPA													

ROADS DEPARTMENT, MINISTRY OF COMMUNICATION
 TRANSPORT, POST AND CONSTRUCTION
 LAO PEOPLE'S DEMOCRATIC REPUBLIC

BASIC DESIGN STUDY ON THE PROJECT FOR THE
 IMPROVEMENT OF THE VIENTIANE NO.1 ROAD IN THE
 LAO PEOPLE'S DEMOCRATIC REPUBLIC

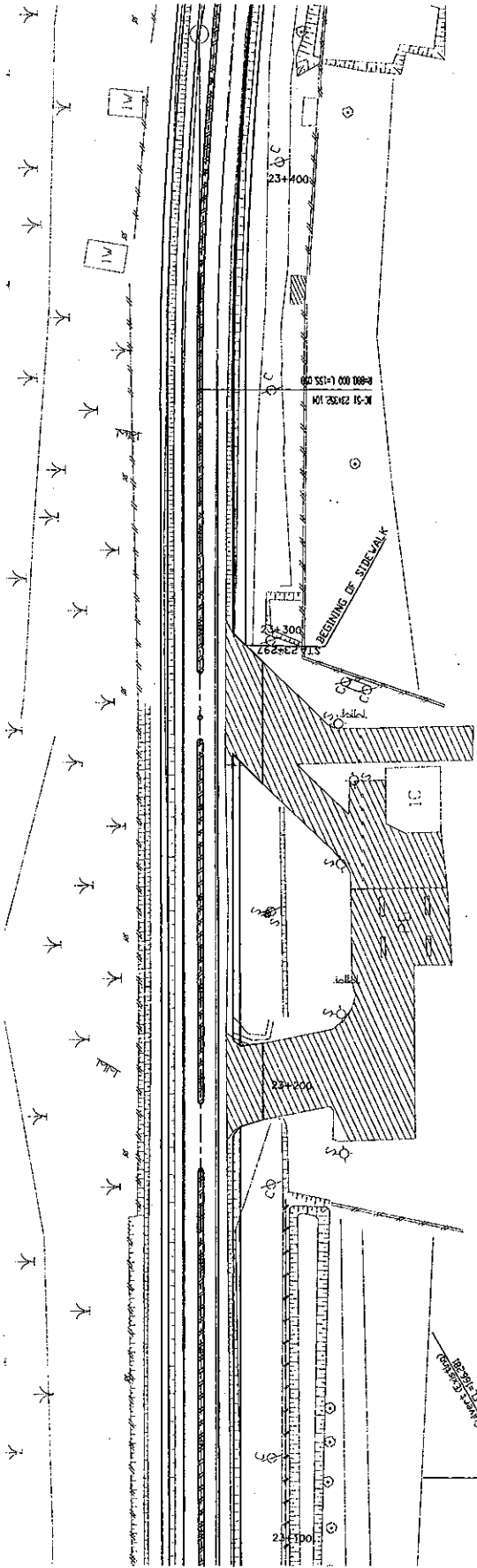
JAPAN INTERNATIONAL COOPERATION AGENCY
 KATAHIRA & ENGINEERS INTERNATIONAL
 CTI ENGINEERING INTERNATIONAL CO, LTD

PLAN AND PROFILE
 (STA. 22+800 - STA. 23+000)

SCALE:
 H=1:500
 V=1:100

DRAWING NO:
PL-77

REV.



VERTICAL ALIGNMENT	STATION	EL. (M)	EL. (M)	EL. (M)	EL. (M)	EL. (M)	EL. (M)	EL. (M)	EL. (M)	EL. (M)	EL. (M)	EL. (M)	EL. (M)	EL. (M)	EL. (M)	EL. (M)	EL. (M)	EL. (M)	EL. (M)	EL. (M)
PAVEMENT LEVELS	STA 23+00	167.53	167.53	167.53	167.53	167.53	167.53	167.53	167.53	167.53	167.53	167.53	167.53	167.53	167.53	167.53	167.53	167.53	167.53	167.53
	STA 23+100	167.91	167.91	167.91	167.91	167.91	167.91	167.91	167.91	167.91	167.91	167.91	167.91	167.91	167.91	167.91	167.91	167.91	167.91	167.91
SURFACE LEVELS	STA 23+00	167.53	167.53	167.53	167.53	167.53	167.53	167.53	167.53	167.53	167.53	167.53	167.53	167.53	167.53	167.53	167.53	167.53	167.53	167.53
	STA 23+100	167.91	167.91	167.91	167.91	167.91	167.91	167.91	167.91	167.91	167.91	167.91	167.91	167.91	167.91	167.91	167.91	167.91	167.91	167.91
PEGGED CHAINAGE	STA 23+00	167.53	167.53	167.53	167.53	167.53	167.53	167.53	167.53	167.53	167.53	167.53	167.53	167.53	167.53	167.53	167.53	167.53	167.53	167.53
	STA 23+100	167.91	167.91	167.91	167.91	167.91	167.91	167.91	167.91	167.91	167.91	167.91	167.91	167.91	167.91	167.91	167.91	167.91	167.91	167.91
HORIZONTAL CURVATURE	STA 23+00	167.53	167.53	167.53	167.53	167.53	167.53	167.53	167.53	167.53	167.53	167.53	167.53	167.53	167.53	167.53	167.53	167.53	167.53	167.53
	STA 23+100	167.91	167.91	167.91	167.91	167.91	167.91	167.91	167.91	167.91	167.91	167.91	167.91	167.91	167.91	167.91	167.91	167.91	167.91	167.91
SUPERELEVATION	STA 23+00	167.53	167.53	167.53	167.53	167.53	167.53	167.53	167.53	167.53	167.53	167.53	167.53	167.53	167.53	167.53	167.53	167.53	167.53	167.53
	STA 23+100	167.91	167.91	167.91	167.91	167.91	167.91	167.91	167.91	167.91	167.91	167.91	167.91	167.91	167.91	167.91	167.91	167.91	167.91	167.91
TYPICAL CROSS SECTION	STA 23+00	167.53	167.53	167.53	167.53	167.53	167.53	167.53	167.53	167.53	167.53	167.53	167.53	167.53	167.53	167.53	167.53	167.53	167.53	167.53
	STA 23+100	167.91	167.91	167.91	167.91	167.91	167.91	167.91	167.91	167.91	167.91	167.91	167.91	167.91	167.91	167.91	167.91	167.91	167.91	167.91

ROADS DEPARTMENT, MINISTRY OF COMMUNICATION
TRANSPORT, POST AND CONSTRUCTION
LAO PEOPLE'S DEMOCRATIC REPUBLIC

BASIC DESIGN STUDY ON THE PROJECT FOR THE
IMPROVEMENT OF THE VIENTIANE NO.1 ROAD IN THE
LAO PEOPLE'S DEMOCRATIC REPUBLIC

JAPAN INTERNATIONAL COOPERATION AGENCY
KATAHIRA & ENGINEERS INTERNATIONAL
CTI ENGINEERING INTERNATIONAL CO., LTD

TITLE:

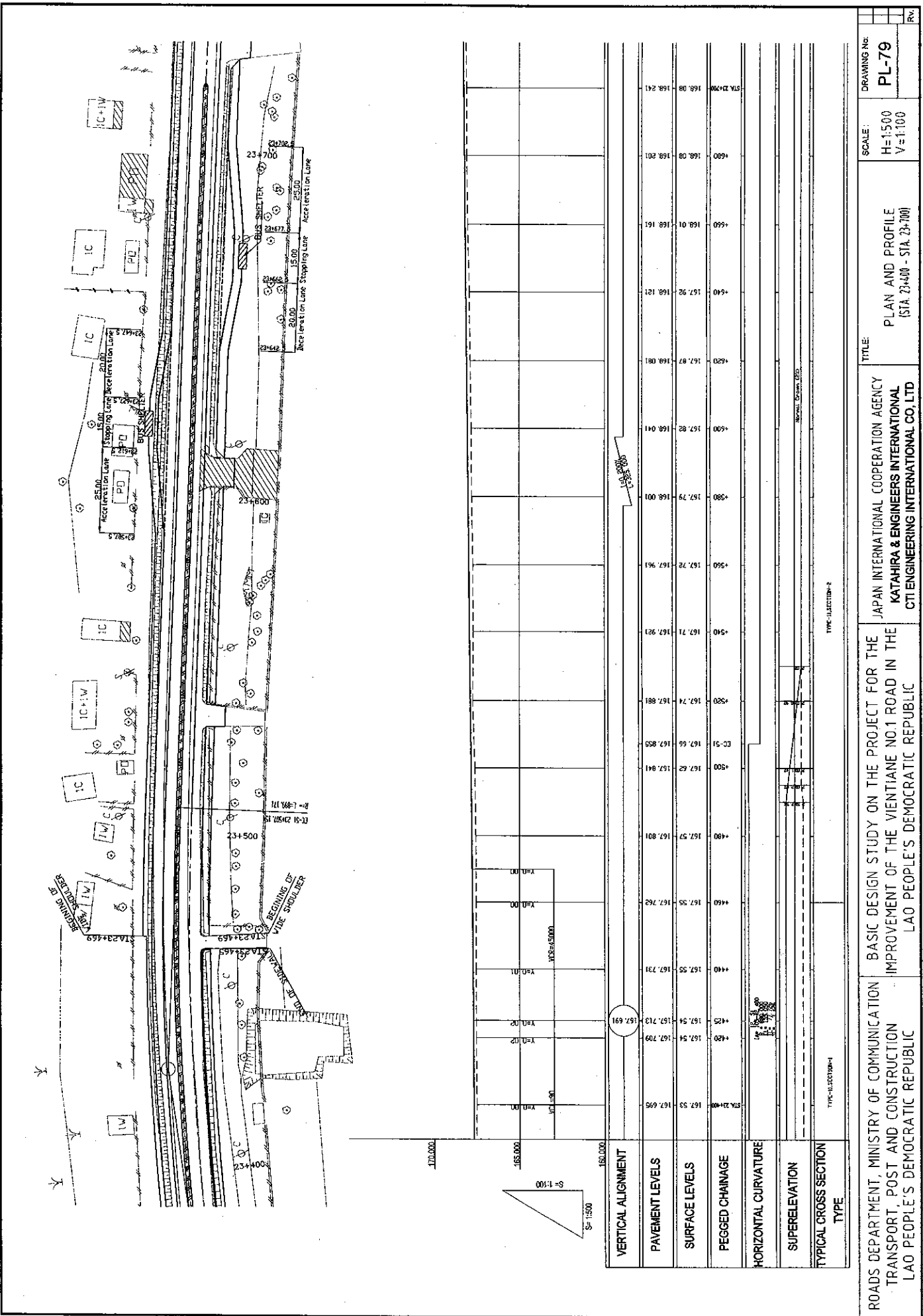
PLAN AND PROFILE
(STA. 23+00 - STA. 23+100)

SCALE:
H=1:500
V=1:100

DRAWING NO:
PL-78

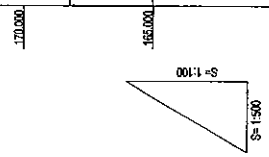
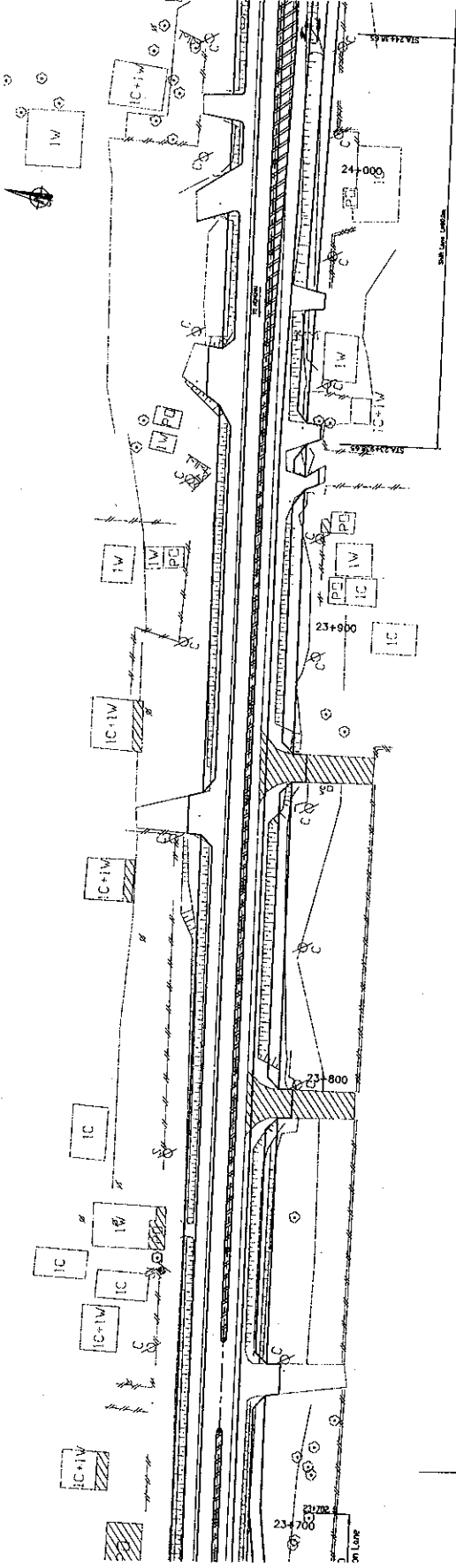
REV

TYPE-CROSS SECTION



ROADS DEPARTMENT, MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION LAO PEOPLE'S DEMOCRATIC REPUBLIC		BASIC DESIGN STUDY ON THE PROJECT FOR THE IMPROVEMENT OF THE VIENTIANE NO.1 ROAD IN THE LAO PEOPLE'S DEMOCRATIC REPUBLIC		JAPAN INTERNATIONAL COOPERATION AGENCY KATAHIRA & ENGINEERS INTERNATIONAL CIT ENGINEERING INTERNATIONAL CO. LTD		TITLE: PLAN AND PROFILE (STA. 23+400 - STA. 23+700)		SCALE: H=1:500 V=1:100		DRAWING NO: PL-79		RV.
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VERTICAL ALIGNMENT	167.695	167.709	167.713	167.731	167.742	167.801	167.941	167.985	167.981	167.923	167.961	168.001	168.041	168.081	168.121	168.161	168.201	168.241	168.281
PAVEMENT LEVELS	167.54	167.709	167.713	167.731	167.742	167.801	167.941	167.985	167.981	167.923	167.961	168.001	168.041	168.081	168.121	168.161	168.201	168.241	168.281
SURFACE LEVELS	167.54	167.709	167.713	167.731	167.742	167.801	167.941	167.985	167.981	167.923	167.961	168.001	168.041	168.081	168.121	168.161	168.201	168.241	168.281
PEGGED CHAINAGE	167.54	167.709	167.713	167.731	167.742	167.801	167.941	167.985	167.981	167.923	167.961	168.001	168.041	168.081	168.121	168.161	168.201	168.241	168.281
HORIZONTAL CURVATURE																			
SUPERELEVATION																			
TYPICAL CROSS SECTION																			
TYPE	TYPE-II SECTION-1																		



VERTICAL ALIGNMENT	+720		+740		+750		+760		+780		+800		+820		+840		+860		+880		+900		+920		+940		+960		+980		STA 24+00				
PAVEMENT LEVELS	158.12	168.291	168.15	168.303	168.13	168.300	168.11	168.288	168.11	168.236	168.13	168.166	167.96	168.096	167.87	168.026	167.84	167.956	167.74	167.886	167.65	167.816	167.57	167.749	167.60	167.706	167.56	167.688	167.58	167.694	167.58	167.702			
SURFACE LEVELS	158.12	168.291	168.15	168.303	168.13	168.300	168.11	168.288	168.11	168.236	168.13	168.166	167.96	168.096	167.87	168.026	167.84	167.956	167.74	167.886	167.65	167.816	167.57	167.749	167.60	167.706	167.56	167.688	167.58	167.694	167.58	167.702			
PEGGED CHANNAGE																																			
HORIZONTAL CURVATURE																																			
SUPERELEVATION																																			
TYPICAL CROSS SECTION TYPE																																			

ROADS DEPARTMENT, MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION LAO PEOPLE'S DEMOCRATIC REPUBLIC

BASIC DESIGN STUDY ON THE PROJECT FOR THE IMPROVEMENT OF THE VIENTIANE NO.1 ROAD IN THE LAO PEOPLE'S DEMOCRATIC REPUBLIC

JAPAN INTERNATIONAL COOPERATION AGENCY KATAHIRA & ENGINEERS INTERNATIONAL CTI ENGINEERING INTERNATIONAL CO, LTD

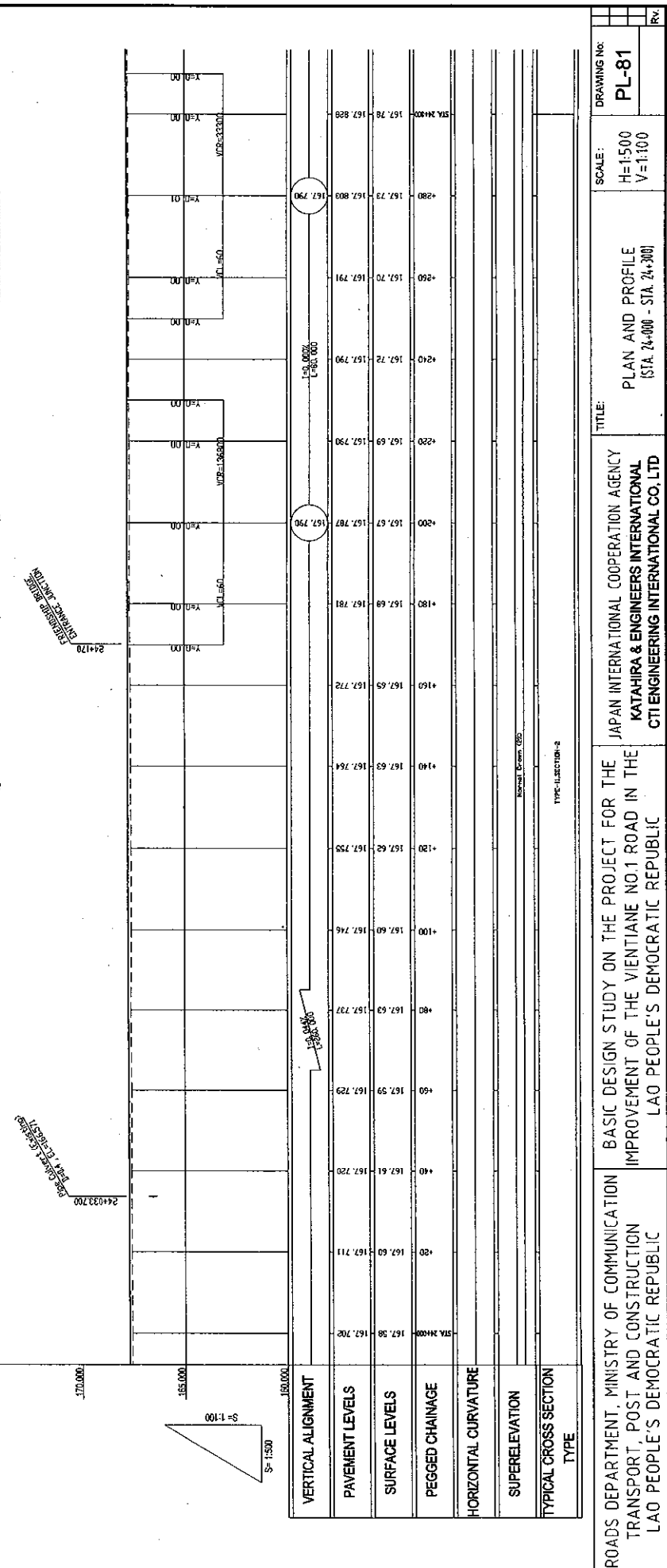
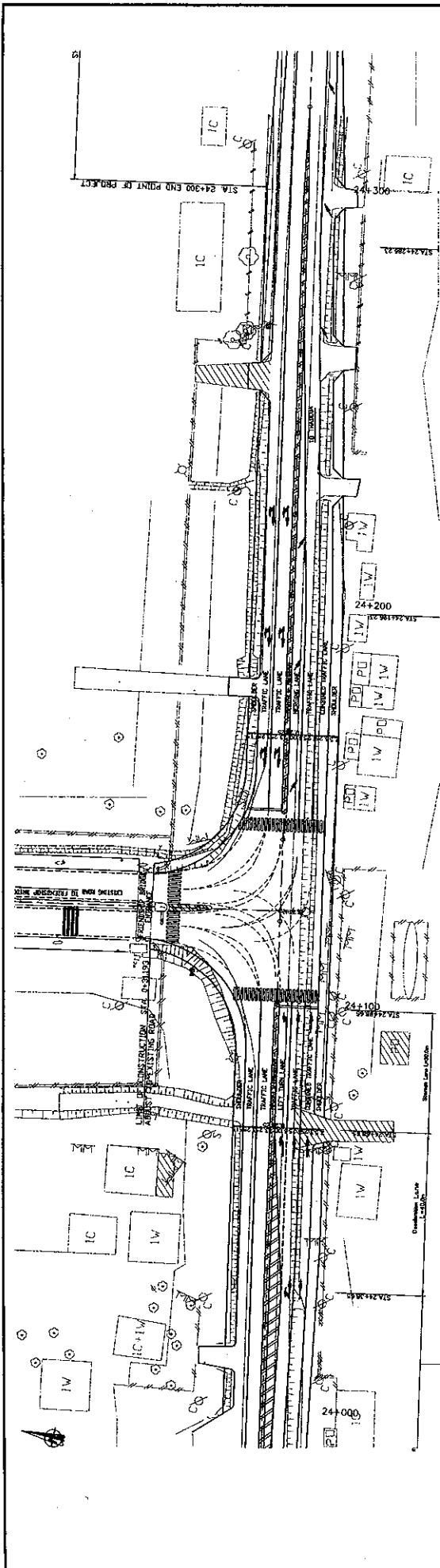
TITLE:

PLAN AND PROFILE (STA. 23+700 - STA. 24+000)

SCALE: H=1:500 V=1:100

DRAWING NO: PL-80

Rev.



ROADS DEPARTMENT, MINISTRY OF COMMUNICATION
TRANSPORT, POST AND CONSTRUCTION
LAO PEOPLE'S DEMOCRATIC REPUBLIC

BASIC DESIGN STUDY ON THE PROJECT FOR THE
IMPROVEMENT OF THE VIENTIANE NO.1 ROAD IN THE
LAO PEOPLE'S DEMOCRATIC REPUBLIC

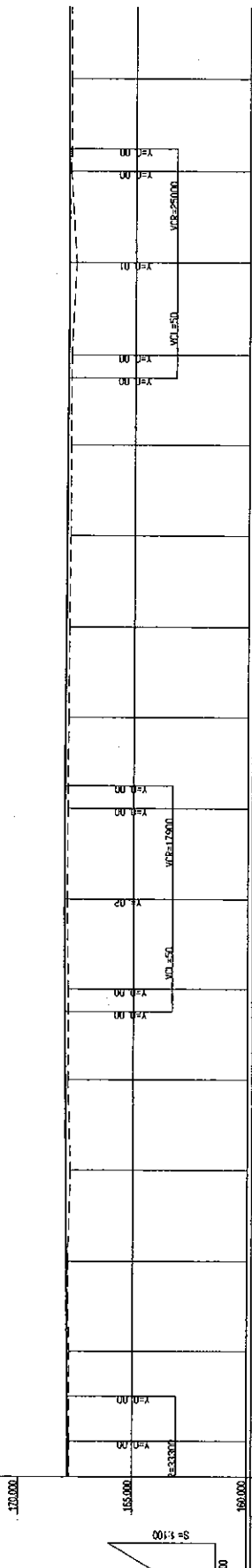
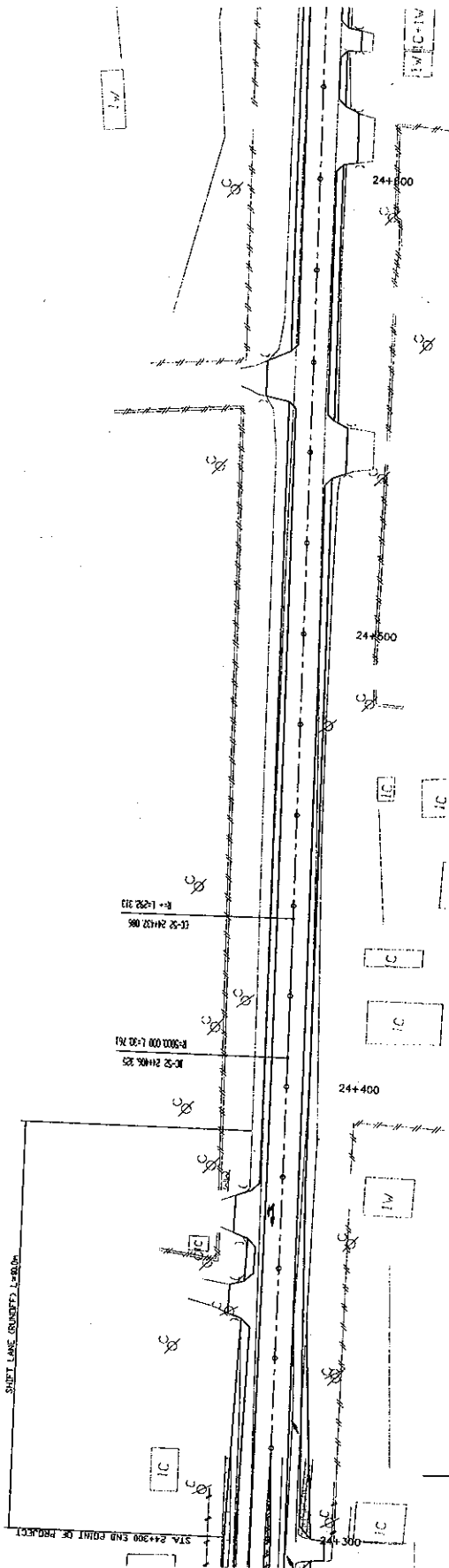
JAPAN INTERNATIONAL COOPERATION AGENCY
KATAHIRA & ENGINEERS INTERNATIONAL
CTI ENGINEERING INTERNATIONAL CO. LTD

TITLE: PLAN AND PROFILE
(STA. 24+000 - STA. 24+300)

SCALE: H=1:500
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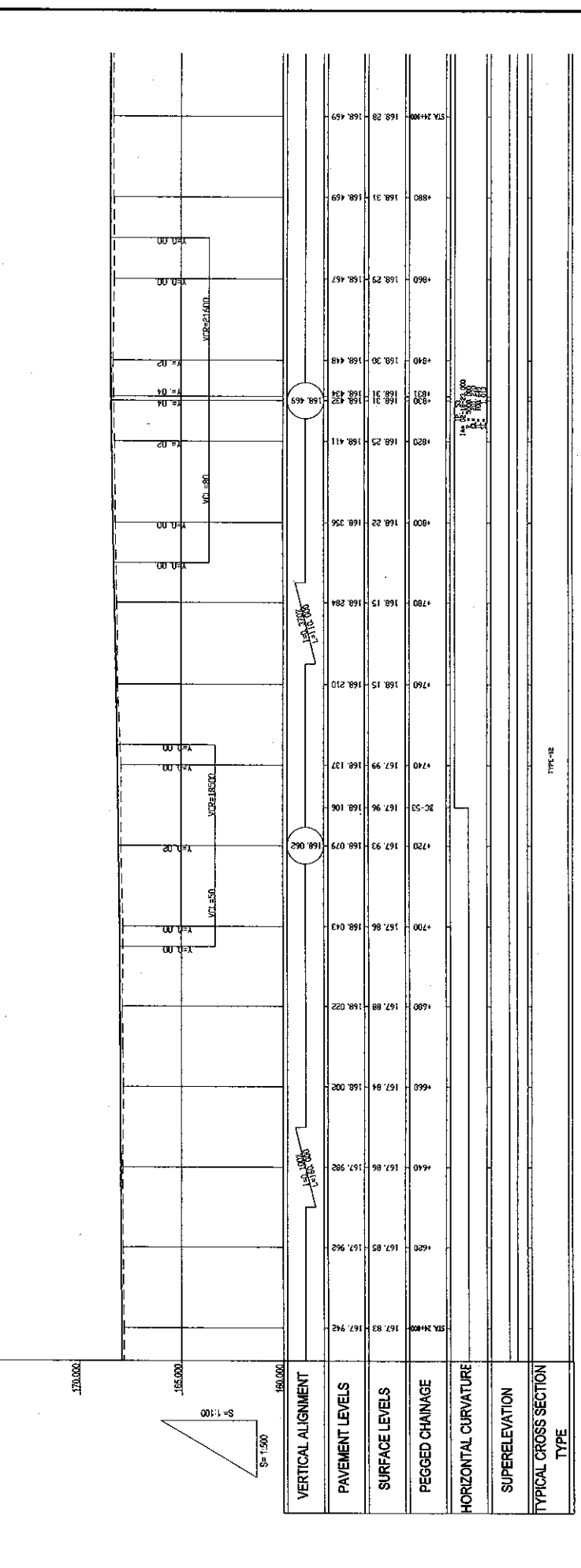
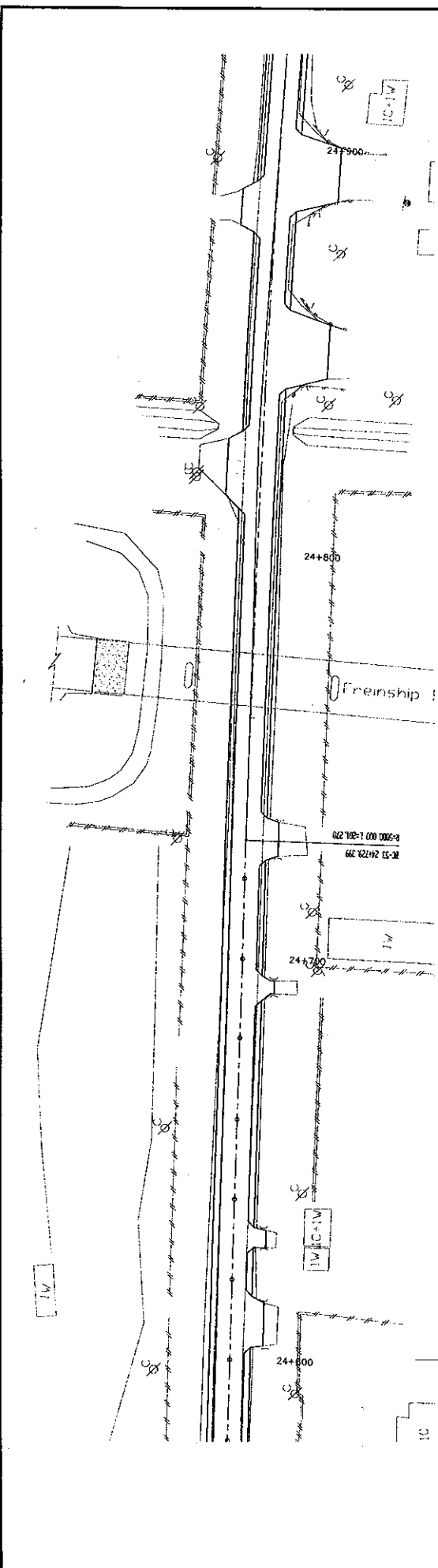
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REV: R/1

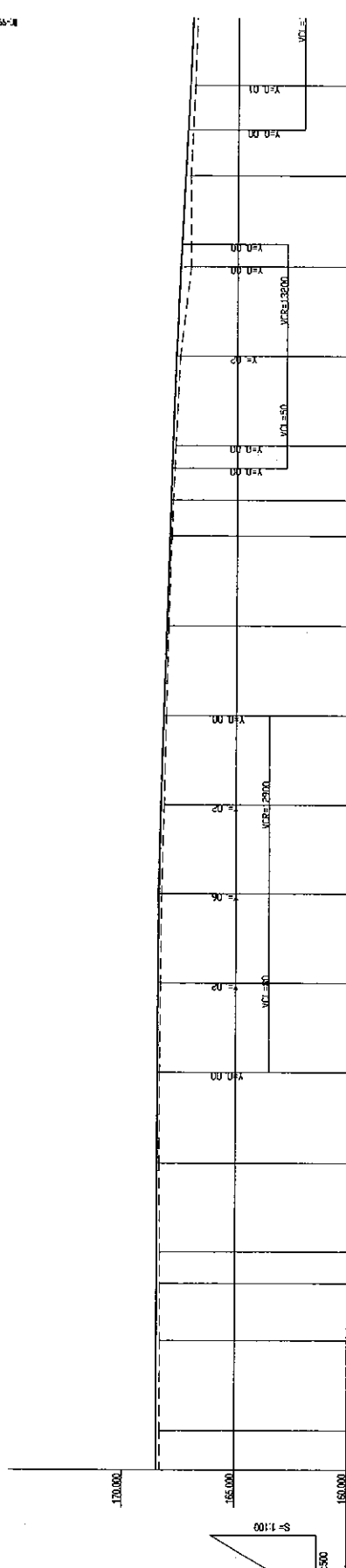
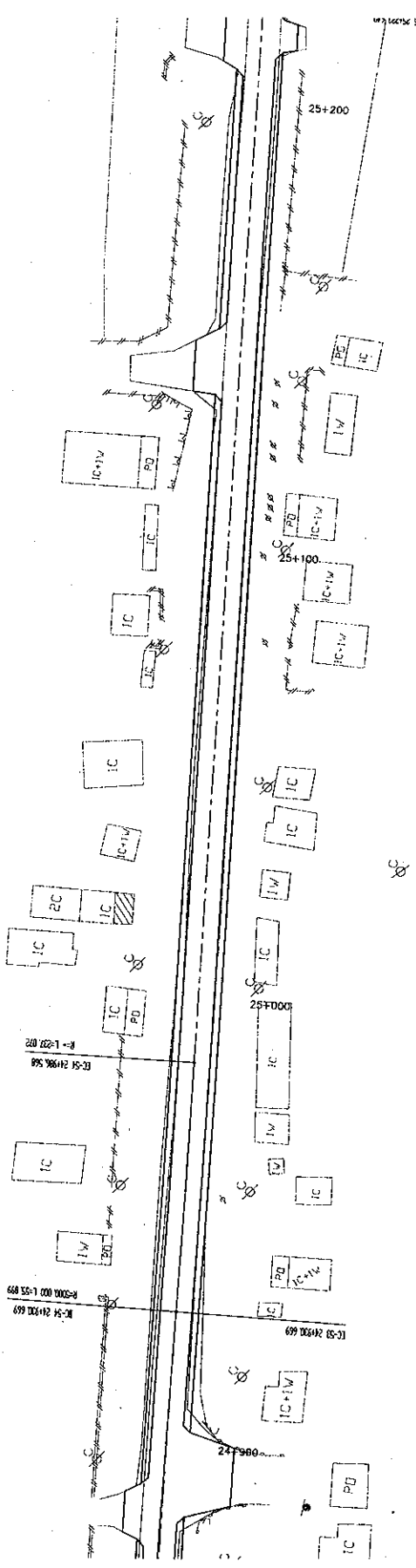


VERTICAL ALIGNMENT	STATION	ELEVATION (M)
	24+000	167.828
	24+020	167.862
	24+040	167.900
	24+060	167.934
	24+080	167.977
	24+100	167.998
	24+120	167.982
	24+140	167.899
	24+160	167.833
	24+180	167.777
	24+200	167.734
	24+220	167.700
	24+240	167.682
	24+260	167.682
	24+280	167.682
	24+300	167.682
	24+320	167.682
	24+340	167.682
	24+360	167.682
	24+380	167.682
	24+400	167.682
	24+420	167.682
	24+440	167.682
	24+460	167.682
	24+480	167.682
	24+500	167.682
	24+520	167.682
	24+540	167.682
	24+560	167.682
	24+580	167.682
	24+600	167.682

ROADS DEPARTMENT, MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION LAO PEOPLE'S DEMOCRATIC REPUBLIC	BASIC DESIGN STUDY ON THE PROJECT FOR THE IMPROVEMENT OF THE VIENTIANE NO.1 ROAD IN THE LAO PEOPLE'S DEMOCRATIC REPUBLIC	JAPAN INTERNATIONAL COOPERATION AGENCY KATAHIRA & ENGINEERS INTERNATIONAL CTI ENGINEERING INTERNATIONAL CO., LTD	TITLE:	PLAN AND PROFILE (STA. 24+300 - STA. 24+600)	SCALE:	H=1:500 V=1:100	DRAWING NO:	PL-82
			STA. 24+300	STA. 24+600				



ROADS DEPARTMENT, MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION LAO PEOPLE'S DEMOCRATIC REPUBLIC	BASIC DESIGN STUDY ON THE PROJECT FOR THE IMPROVEMENT OF THE VIENTIANE NO.1 ROAD IN THE LAO PEOPLE'S DEMOCRATIC REPUBLIC	JAPAN INTERNATIONAL COOPERATION AGENCY KATAHIRA & ENGINEERS INTERNATIONAL CTI ENGINEERING INTERNATIONAL CO, LTD	TITLE: PLAN AND PROFILE (STA. 24+000 - STA. 24+900)	SCALE: H=1:500 V=1:100	DRAWING NO: PL-83	REV.
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VERTICAL ALIGNMENT	STATION	ELEVATION
PAVEMENT LEVELS	24+00	158.469
	24+20	158.469
SURFACE LEVELS	24+00	158.469
	24+20	158.469
PEGGED CHAINAGE	24+00	158.469
	24+20	158.469
HORIZONTAL CURVATURE	24+00	158.469
	24+20	158.469
SUPERELEVATION	24+00	158.469
	24+20	158.469
TYPICAL CROSS SECTION	24+00	158.469
	24+20	158.469

ROADS DEPARTMENT, MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION
 LAO PEOPLE'S DEMOCRATIC REPUBLIC

BASIC DESIGN STUDY ON THE PROJECT FOR THE IMPROVEMENT OF THE VIENTIANE NO.1 ROAD IN THE
 LAO PEOPLE'S DEMOCRATIC REPUBLIC

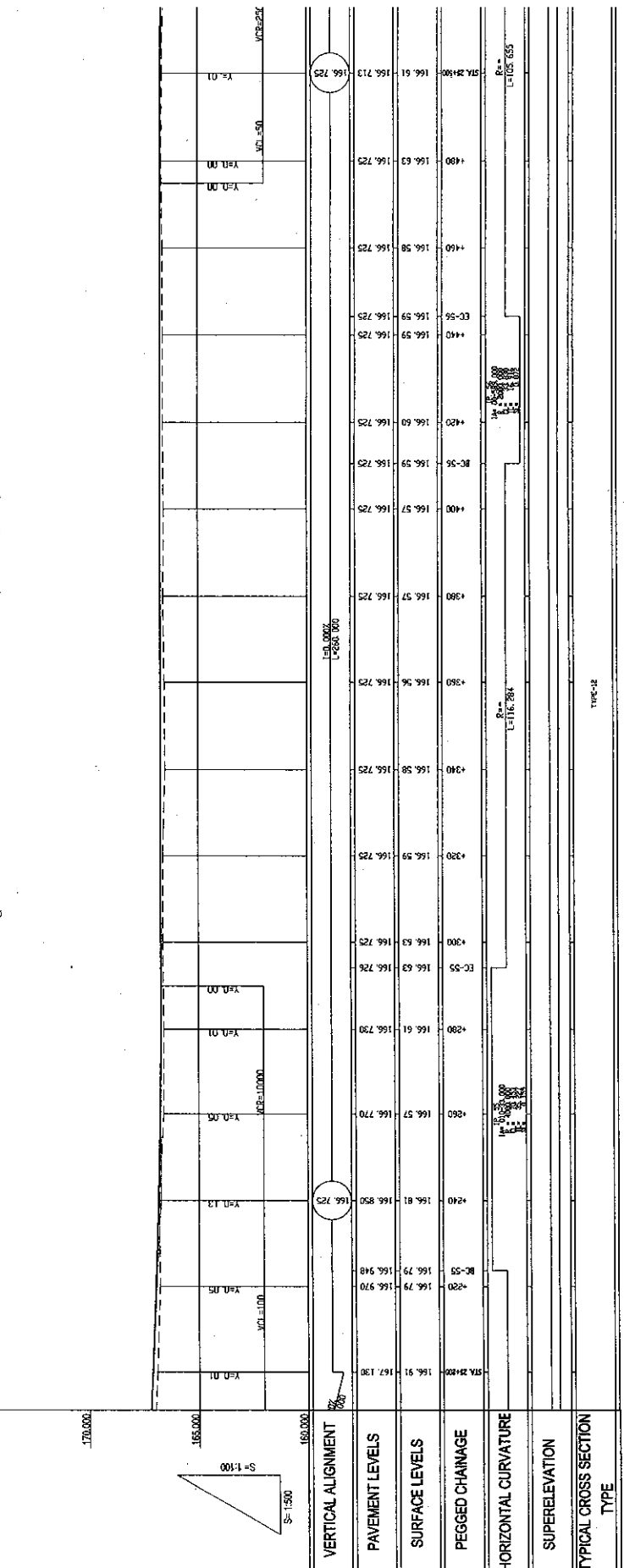
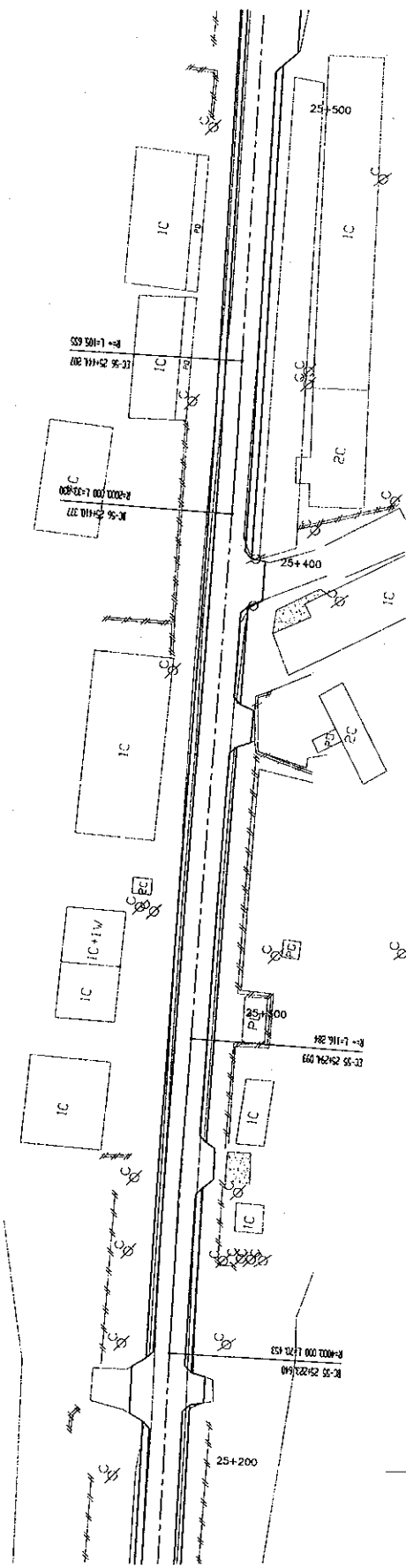
JAPAN INTERNATIONAL COOPERATION AGENCY
 KATAHIRA & ENGINEERS INTERNATIONAL
 CITI ENGINEERING INTERNATIONAL CO. LTD

TITLE: PLAN AND PROFILE
 (STA. 24+000 - STA. 25+200)

SCALE: H=1:500
 V=1:100

DRAWING NO: PL-84

TYPE: A2



ROADS DEPARTMENT, MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION
LAO PEOPLE'S DEMOCRATIC REPUBLIC

BASIC DESIGN STUDY ON THE PROJECT FOR THE IMPROVEMENT OF THE VIENTIANE NO.1 ROAD IN THE LAO PEOPLE'S DEMOCRATIC REPUBLIC

JAPAN INTERNATIONAL COOPERATION AGENCY
KATAHIRA & ENGINEERS INTERNATIONAL
CTI ENGINEERING INTERNATIONAL CO. LTD

PLAN AND PROFILE
(STA. 25+200 - STA. 25+500)

SCALE:
H=1:500
V=1:100

DRAWING NO:
PL-85

Rev:

DRAWING NO: **PL-86**

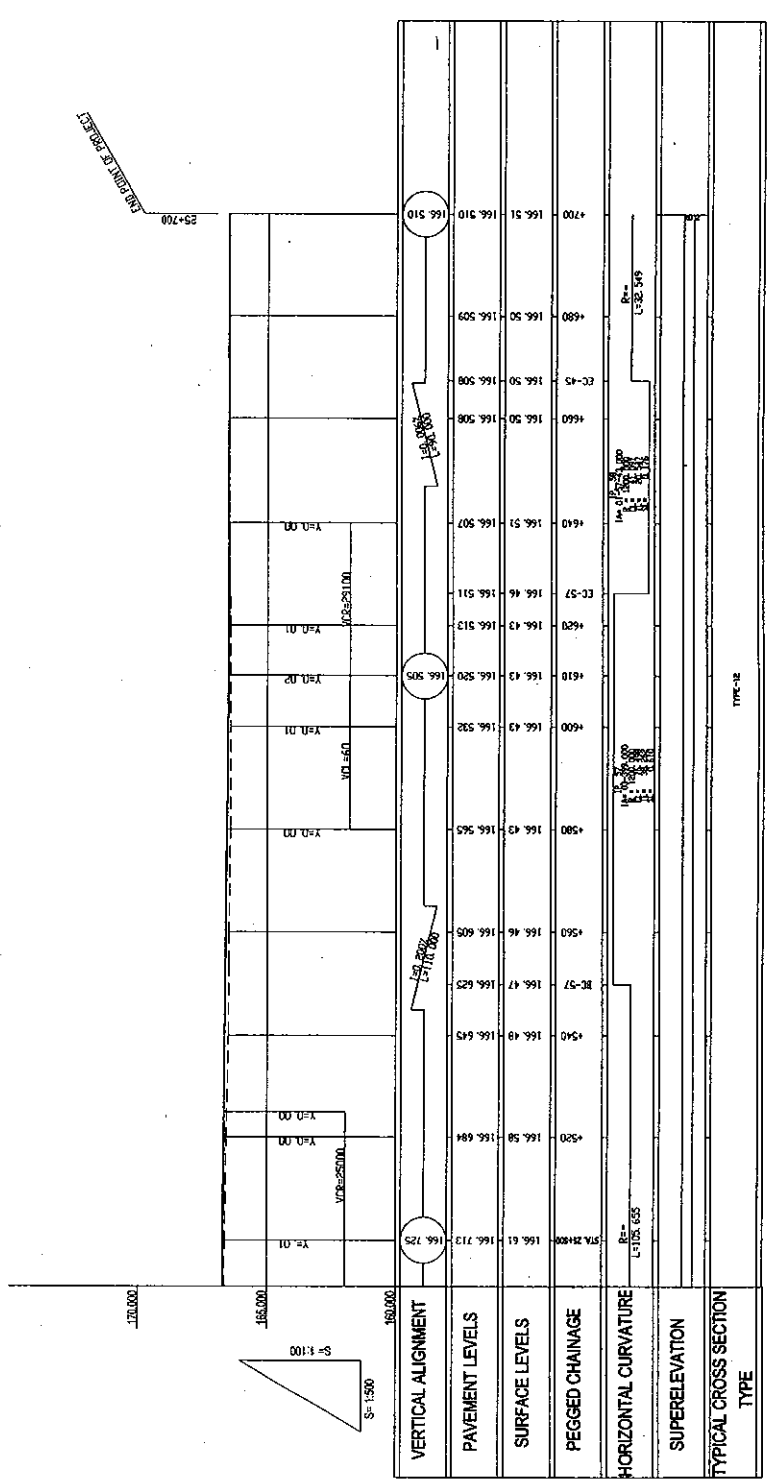
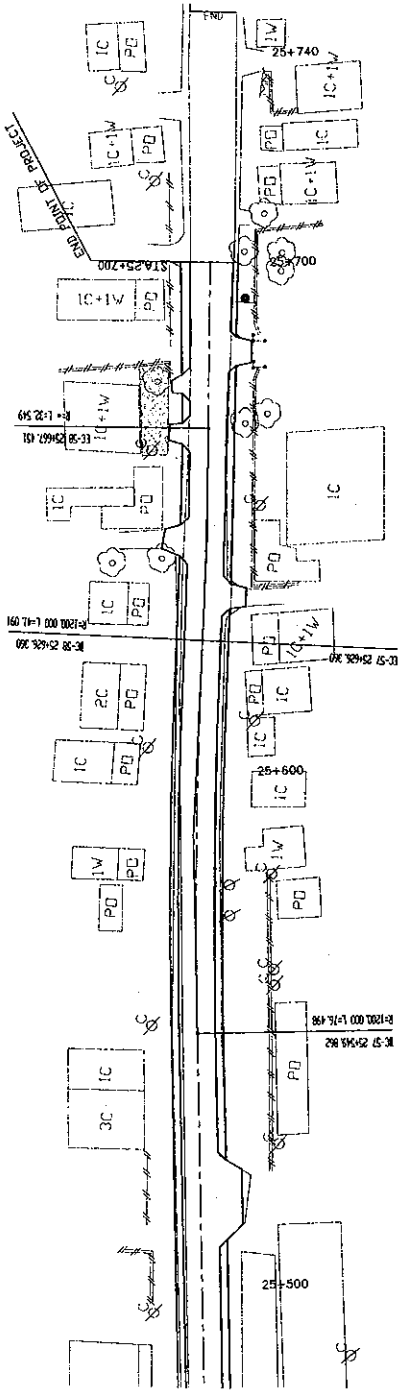
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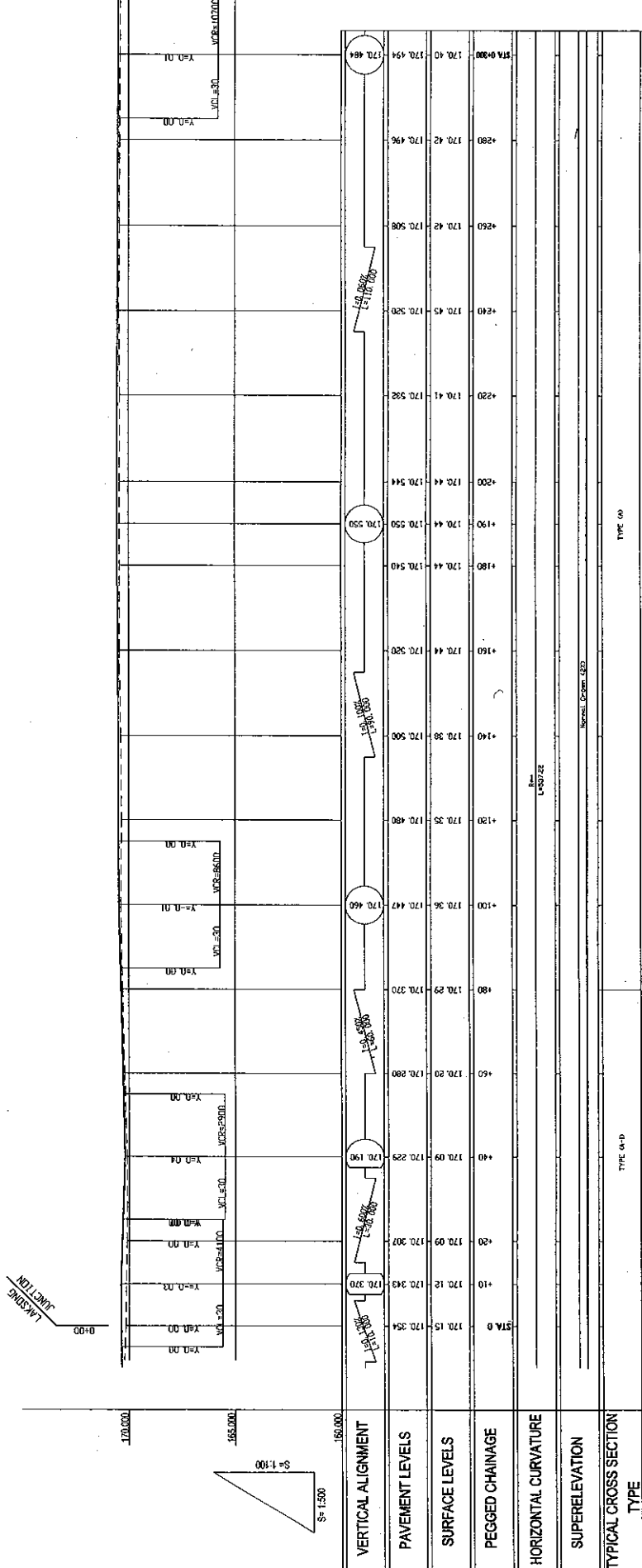
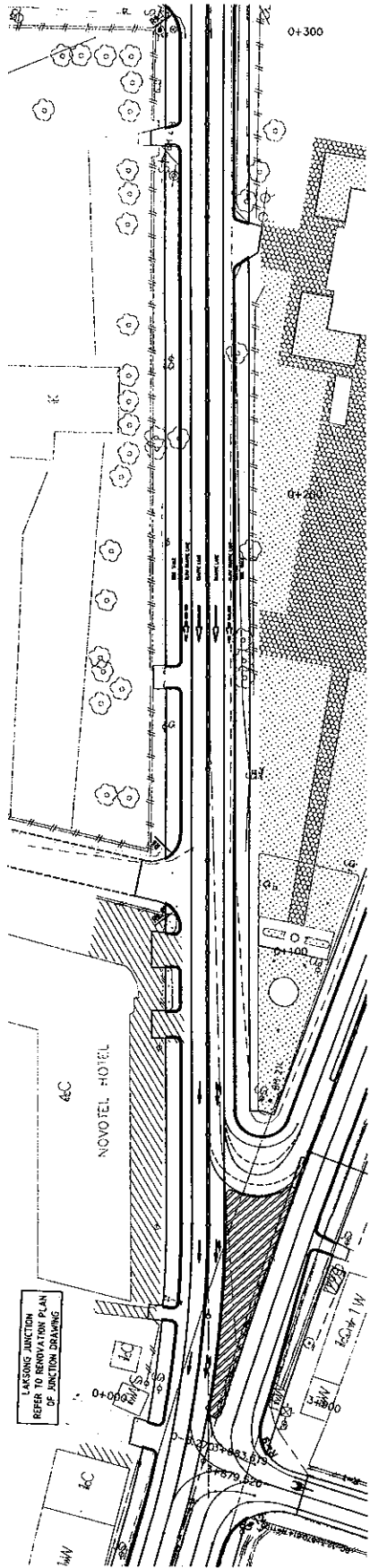
TITLE: **PLAN AND PROFILE**
(STA. 25+500 - 25+700)

JAPAN INTERNATIONAL COOPERATION AGENCY
KATAHIRA & ENGINEERS INTERNATIONAL
CTI ENGINEERING INTERNATIONAL CO. LTD

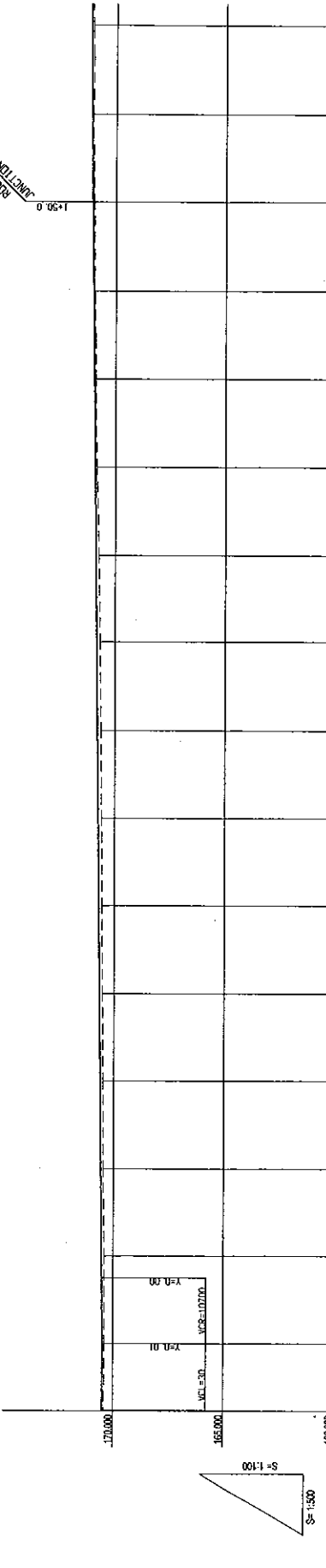
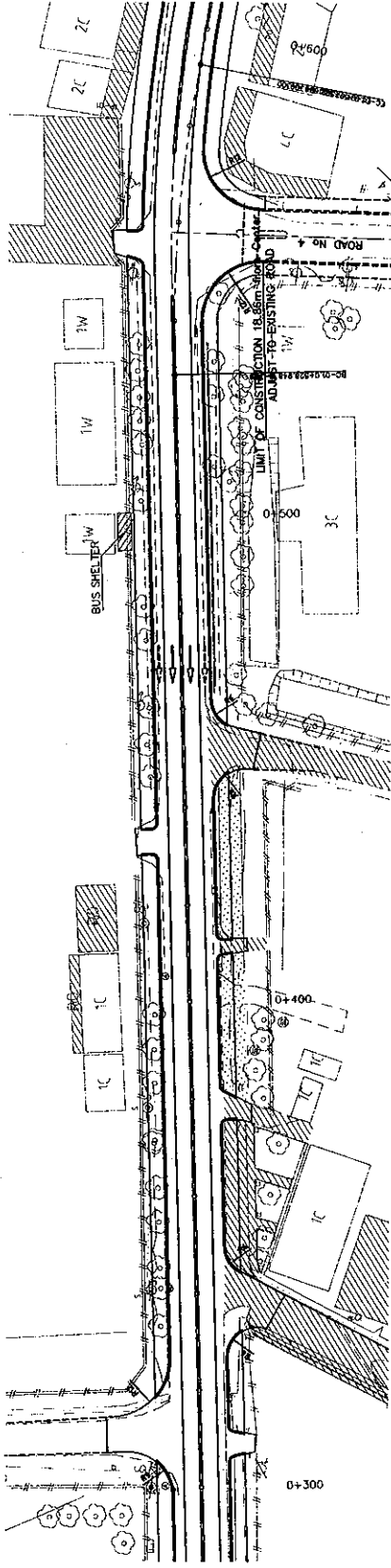
BASIC DESIGN STUDY ON THE PROJECT FOR THE
IMPROVEMENT OF THE VIENTIANE NO.1 ROAD IN THE
LAO PEOPLE'S DEMOCRATIC REPUBLIC

ROADS DEPARTMENT, MINISTRY OF COMMUNICATION
TRANSPORT, POST AND CONSTRUCTION
LAO PEOPLE'S DEMOCRATIC REPUBLIC





ROADS DEPARTMENT, MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION LAO PEOPLE'S DEMOCRATIC REPUBLIC	BASIC DESIGN STUDY ON THE PROJECT FOR THE IMPROVEMENT OF THE VIENTIANE NO.1 ROAD IN THE LAO PEOPLE'S DEMOCRATIC REPUBLIC	JAPAN INTERNATIONAL COOPERATION AGENCY KATAHIRA & ENGINEERS INTERNATIONAL CTI ENGINEERING INTERNATIONAL CO. LTD	PLAN AND PROFILE (1-A) (STA. 0+000 - STA. 0+300)	SCALE: H=1:500 V=1:100	DRAWING NO: PL-87
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VERTICAL ALIGNMENT	+320		+340		+360		+380		+400		+420		+440		+460		+480		+500		+520		+540		+560		+580		+600				
PAVEMENT LEVELS																																	
SURFACE LEVELS	170.40	170.49	170.46	170.52	170.59	170.61	170.58	170.60	170.56	170.54	170.50	170.48	170.43	170.39	170.38	170.36	170.34	170.31	170.29	170.28	170.27	170.26	170.25	170.24	170.23	170.22	170.21	170.20	170.19	170.18	170.17	170.16	
PEGGED CHANGE																																	
HORIZONTAL CURVATURE																																	
SUPERELEVATION																																	
TYPICAL CROSS SECTION																																	
TYPE																																	

ROADS DEPARTMENT, MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION LAO PEOPLE'S DEMOCRATIC REPUBLIC

BASIC DESIGN STUDY ON THE PROJECT FOR THE IMPROVEMENT OF THE VIENTIANE NO.1 ROAD IN THE LAO PEOPLE'S DEMOCRATIC REPUBLIC

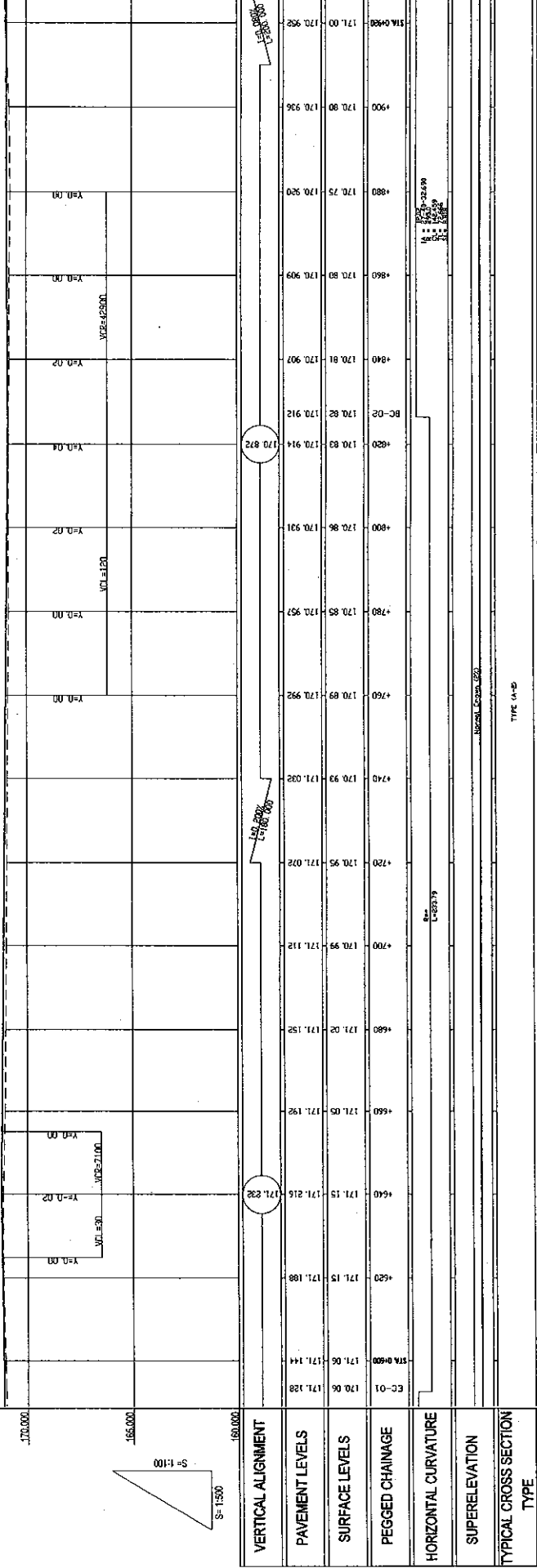
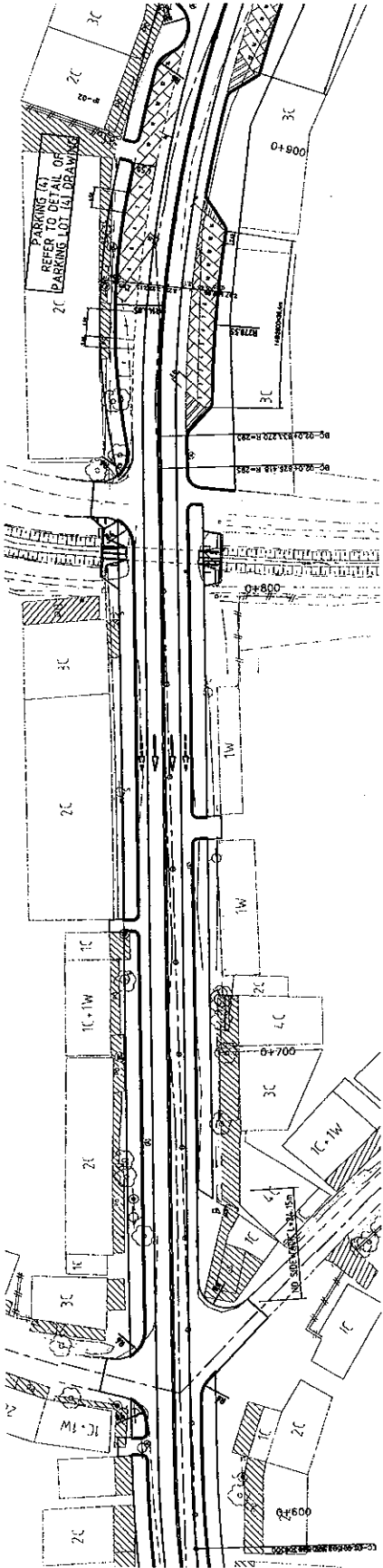
JAPAN INTERNATIONAL COOPERATION AGENCY KATAHIRA & ENGINEERS INTERNATIONAL CITI ENGINEERING INTERNATIONAL CO, LTD

TITLE: PLAN AND PROFILE (1-A) (STA. 0+300 - STA. 0+600)

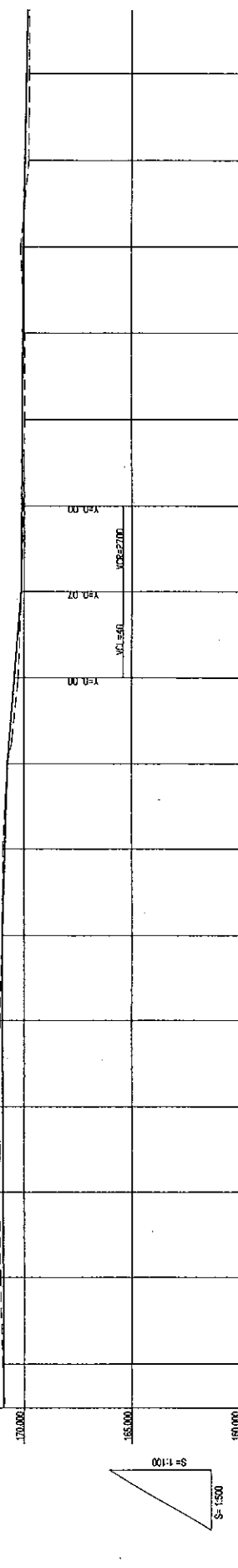
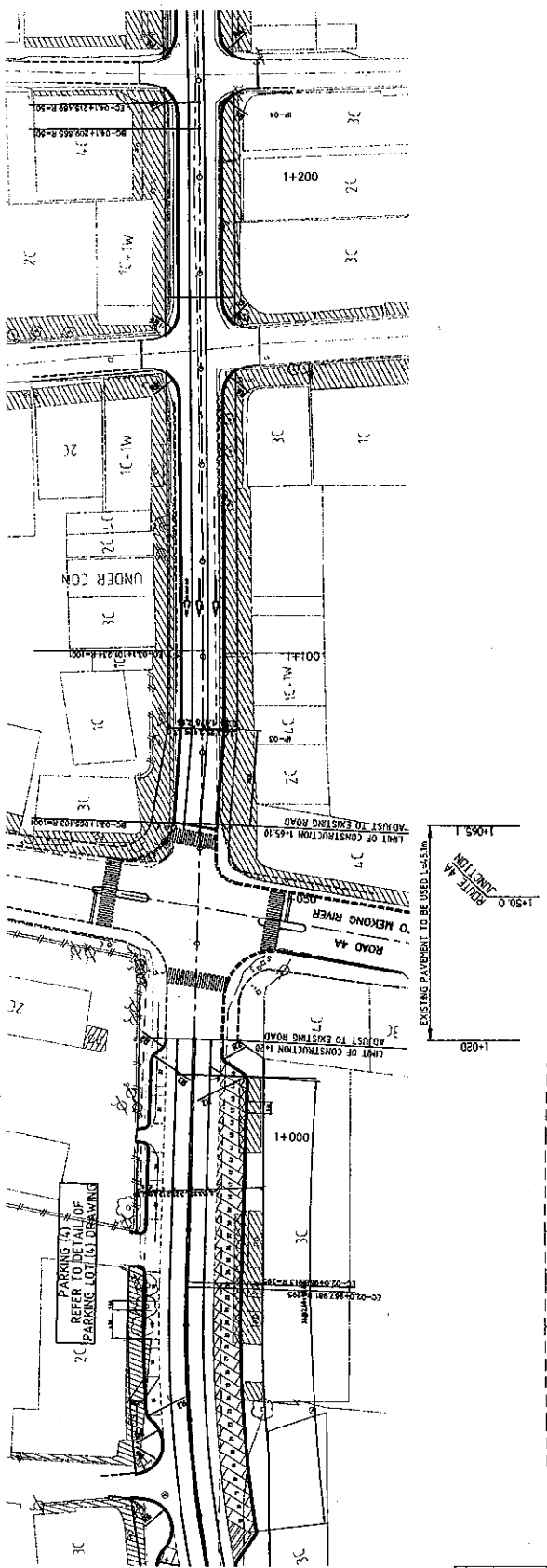
SCALE: H=1:500 V=1:100

DRAWING No: PL-88

RV



DRAWING No:	PL-89
	SCALE: H=1:500 V=1:100
TITLE:	PLAN AND PROFILE (1-A)
	(STA. 0+600 - STA. 0+920)
JAPAN INTERNATIONAL COOPERATION AGENCY KATAHIRA & ENGINEERS INTERNATIONAL CO. LTD CTI ENGINEERING INTERNATIONAL CO. LTD	
BASIC DESIGN STUDY ON THE PROJECT FOR THE IMPROVEMENT OF THE VIENTIANE NO.1 ROAD IN THE LAO PEOPLE'S DEMOCRATIC REPUBLIC	
ROADS DEPARTMENT, MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION LAO PEOPLE'S DEMOCRATIC REPUBLIC	



VERTICAL ALIGNMENT	STATION	ELEVATION
STA 0+00	170.000	170.000
STA 0+10	170.000	170.000
STA 0+20	171.032	171.032
STA 0+30	171.14	171.016
STA 0+40	171.17	171.000
STA 0+50	171.17	170.990
STA 0+60	171.17	170.984
STA 0+70	171.11	170.968
STA 0+80	171.00	170.952
STA 0+90	171.00	170.952
STA 1+00	171.03	171.023
STA 1+10	171.03	171.023
STA 1+20	171.03	171.023
STA 1+30	170.78	170.980
STA 1+40	170.78	170.980
STA 1+50	170.69	170.898
STA 1+60	170.69	170.898
STA 1+70	170.28	170.460
STA 1+80	170.28	170.460
STA 1+90	170.12	170.213
STA 2+00	170.12	170.213
STA 2+10	170.12	170.213
STA 2+20	170.04	170.112
STA 2+30	170.04	170.112
STA 2+40	169.97	170.084
STA 2+50	169.97	170.084
STA 2+60	169.99	170.056
STA 2+70	169.99	170.056
STA 2+80	169.78	169.923
STA 2+90	169.78	169.923
STA 3+00	169.77	169.904
STA 3+10	169.77	169.904
STA 3+20	169.88	169.888
STA 3+30	169.88	169.888

ROADS DEPARTMENT, MINISTRY OF COMMUNICATION
TRANSPORT, POST AND CONSTRUCTION
LAO PEOPLE'S DEMOCRATIC REPUBLIC

BASIC DESIGN STUDY ON THE PROJECT FOR THE
IMPROVEMENT OF THE VIENTIANE NO.1 ROAD IN THE
LAO PEOPLE'S DEMOCRATIC REPUBLIC

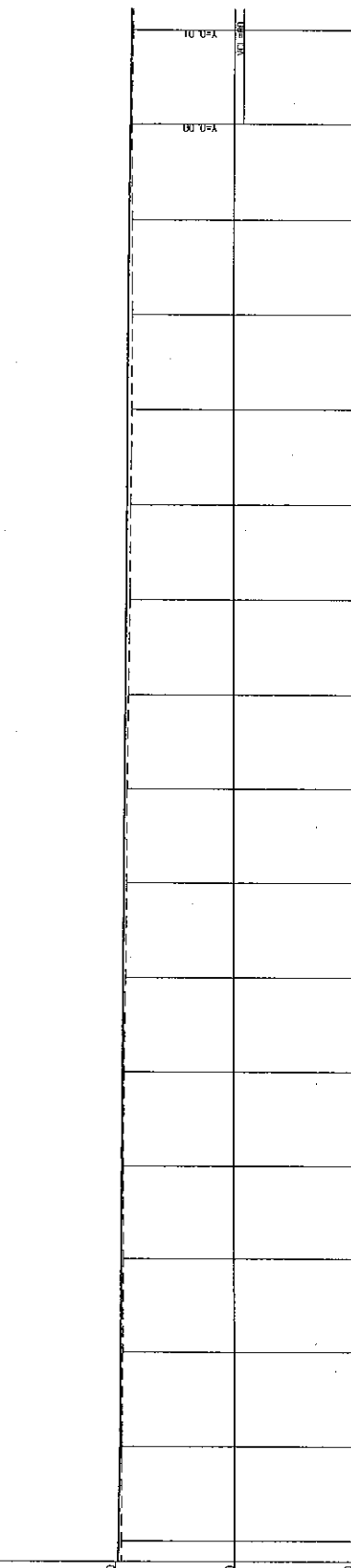
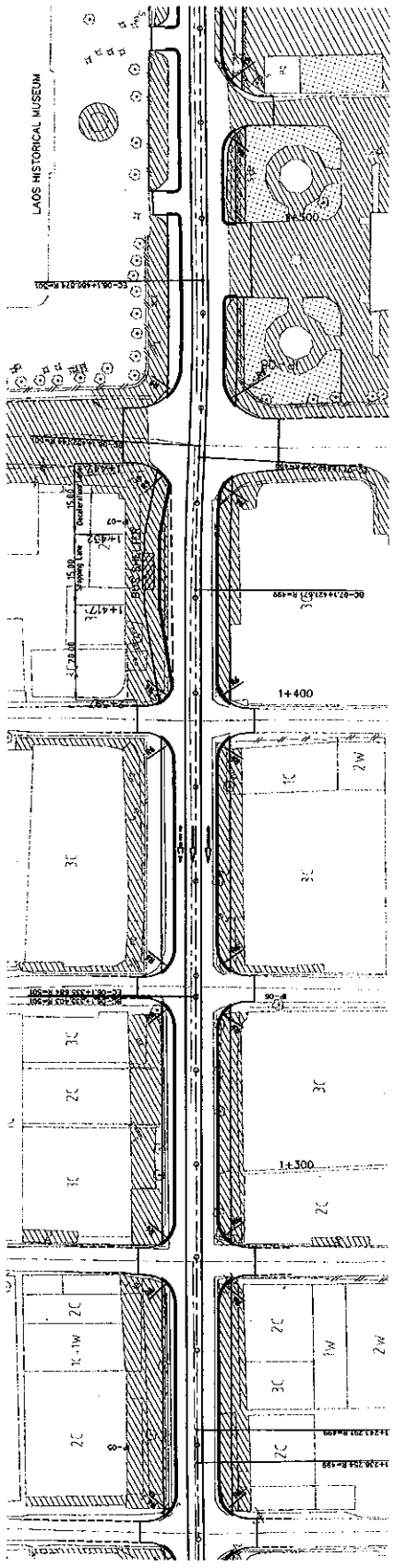
JAPAN INTERNATIONAL COOPERATION AGENCY
KATAHIRA & ENGINEERS INTERNATIONAL
CTI ENGINEERING INTERNATIONAL CO, LTD

TITLE:
PLAN AND PROFILE (1-A)
(STA. 0+00 - STA. 1+20)

SCALE:
H=1:500
V=1:100

DRAWING No:
PL-90

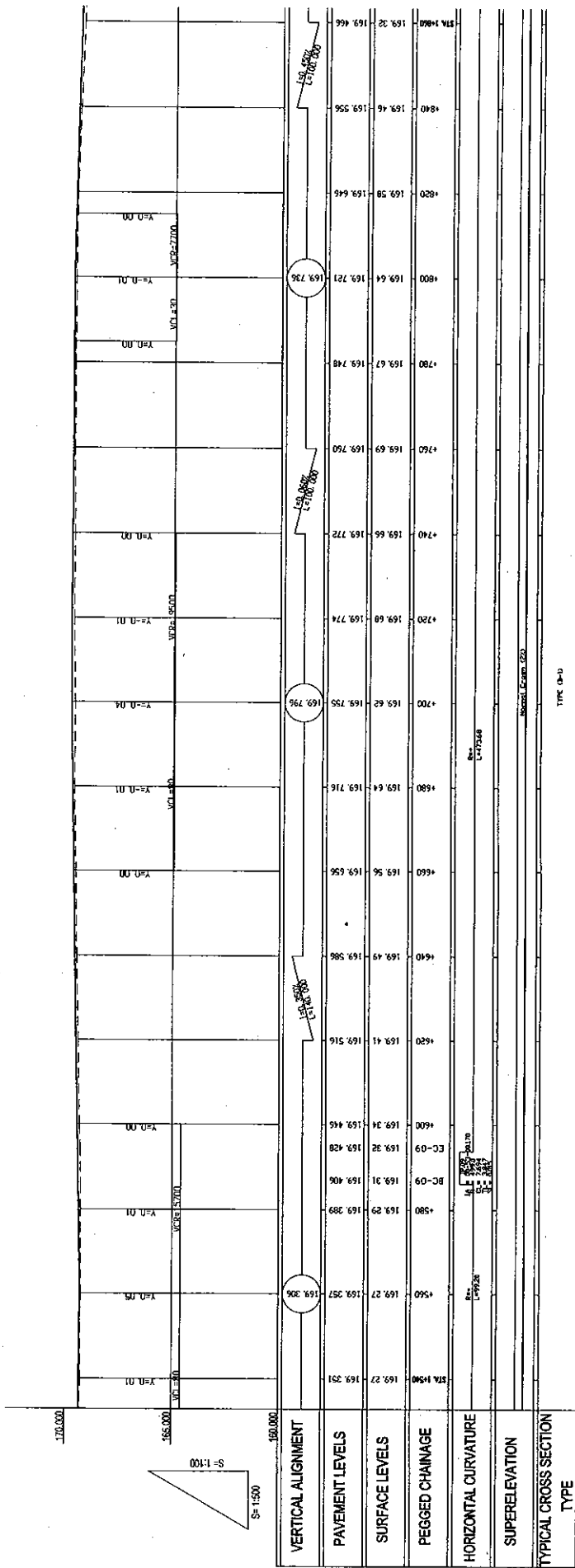
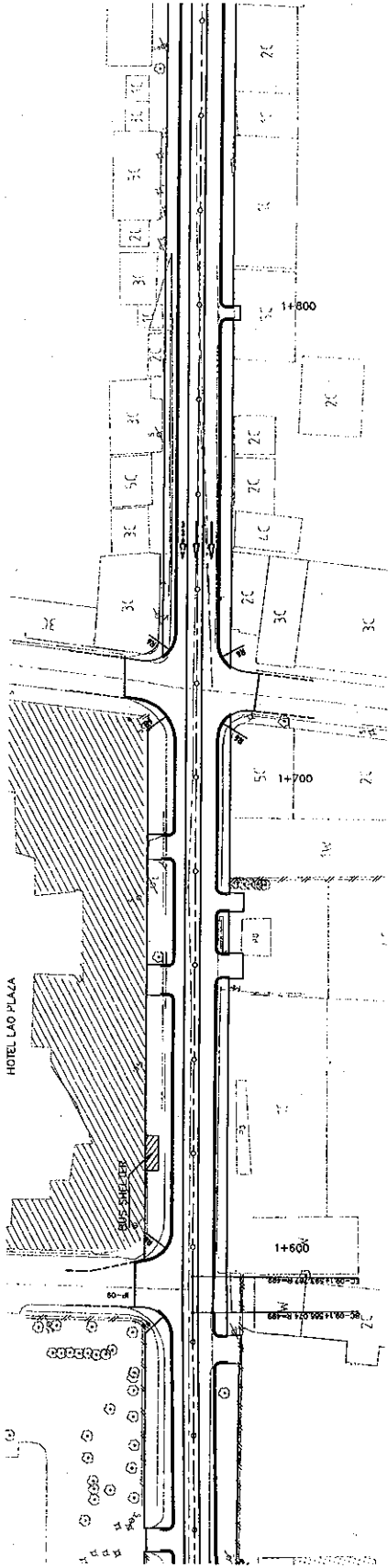
Rev:



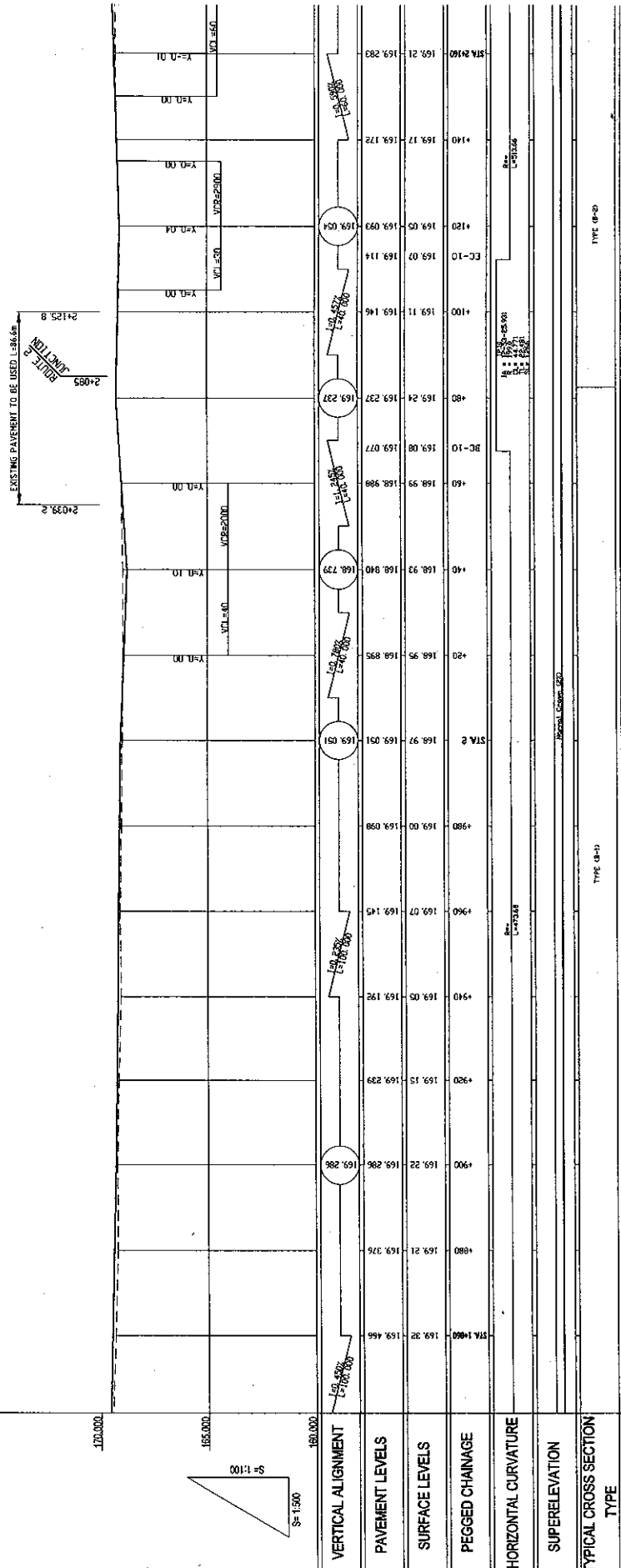
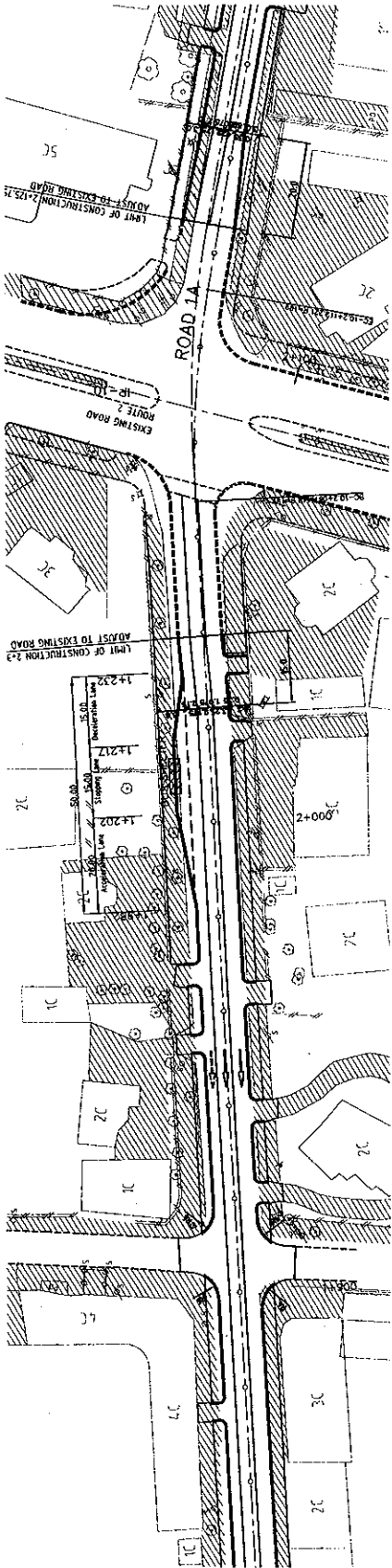
VERTICAL ALIGNMENT	169.813	169.818	169.823	169.828	169.833	169.838	169.843	169.848	169.853	169.858	169.863	169.868	169.873	169.878	169.883	169.888	169.893	169.898	170.000
PAVEMENT LEVELS	169.813	169.818	169.823	169.828	169.833	169.838	169.843	169.848	169.853	169.858	169.863	169.868	169.873	169.878	169.883	169.888	169.893	169.898	170.000
SURFACE LEVELS	169.813	169.818	169.823	169.828	169.833	169.838	169.843	169.848	169.853	169.858	169.863	169.868	169.873	169.878	169.883	169.888	169.893	169.898	170.000
PEGGED CHAINAGE	169.813	169.818	169.823	169.828	169.833	169.838	169.843	169.848	169.853	169.858	169.863	169.868	169.873	169.878	169.883	169.888	169.893	169.898	170.000
HORIZONTAL CURVATURE	EC-05	BC-05	EC-05	BC-05	EC-05	BC-05	EC-05	BC-05	EC-05	BC-05	EC-05	BC-05	EC-05	BC-05	EC-05	BC-05	EC-05	BC-05	EC-05
SUPERELEVATION																			
TYPICAL CROSS SECTION																			
TYPE																			

TYPE 0-13

ROADS DEPARTMENT, MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION LAO PEOPLE'S DEMOCRATIC REPUBLIC	BASIC DESIGN STUDY ON THE PROJECT FOR THE IMPROVEMENT OF THE VIENTIANE NO.1 ROAD IN THE LAO PEOPLE'S DEMOCRATIC REPUBLIC	JAPAN INTERNATIONAL COOPERATION AGENCY KATAHIRA & ENGINEERS INTERNATIONAL CIT ENGINEERING INTERNATIONAL CO. LTD
TITLE: PLAN AND PROFILE (1-A) (STA. 1+200 - STA. 1+500)		SCALE: H=1:500 V=1:100
DRAWING NO: PL-91		REV: 1



DRAWING NO:		PL-92
SCALE:		H=1:500 V=1:100
TITLE:		PLAN AND PROFILE (1-A) (STA 1+540 - STA 1+860)
ROADS DEPARTMENT, MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION LAO PEOPLE'S DEMOCRATIC REPUBLIC		JAPAN INTERNATIONAL COOPERATION AGENCY KATAHIRA & ENGINEERS INTERNATIONAL CTI ENGINEERING INTERNATIONAL CO. LTD
VERTICAL ALIGNMENT		TYPE (A-B)
PAVEMENT LEVELS		
SURFACE LEVELS		
PEGGED CHAINAGE		
HORIZONTAL CURVATURE		
SUPERELEVATION		
TYPICAL CROSS SECTION		
TYPE		



ROAD DEPARTMENT, MINISTRY OF COMMUNICATION
 TRANSPORT, POST AND CONSTRUCTION
 LAO PEOPLE'S DEMOCRATIC REPUBLIC

BASIC DESIGN STUDY ON THE PROJECT FOR THE
 IMPROVEMENT OF THE VIENTIANE NO.1 ROAD IN THE
 LAO PEOPLE'S DEMOCRATIC REPUBLIC

JAPAN INTERNATIONAL COOPERATION AGENCY
 KATAHIRA & ENGINEERS INTERNATIONAL
 CTI ENGINEERING INTERNATIONAL CO. LTD

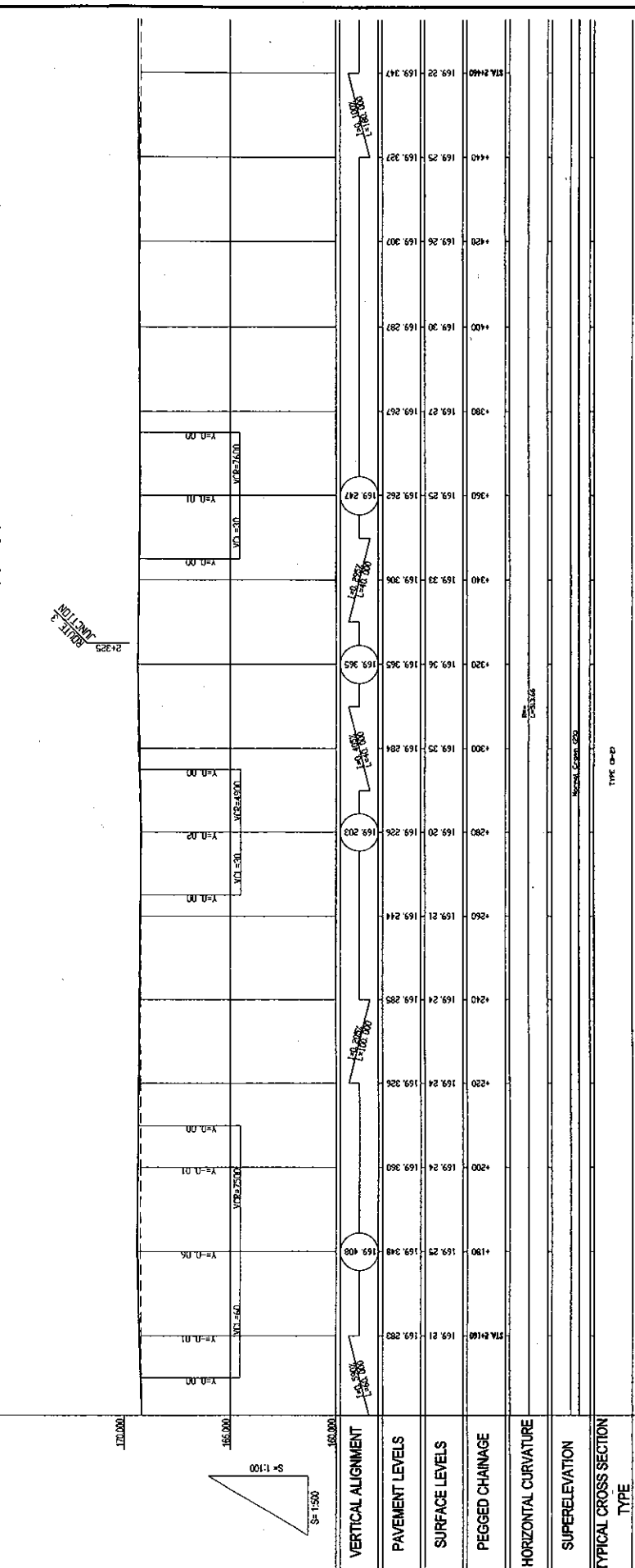
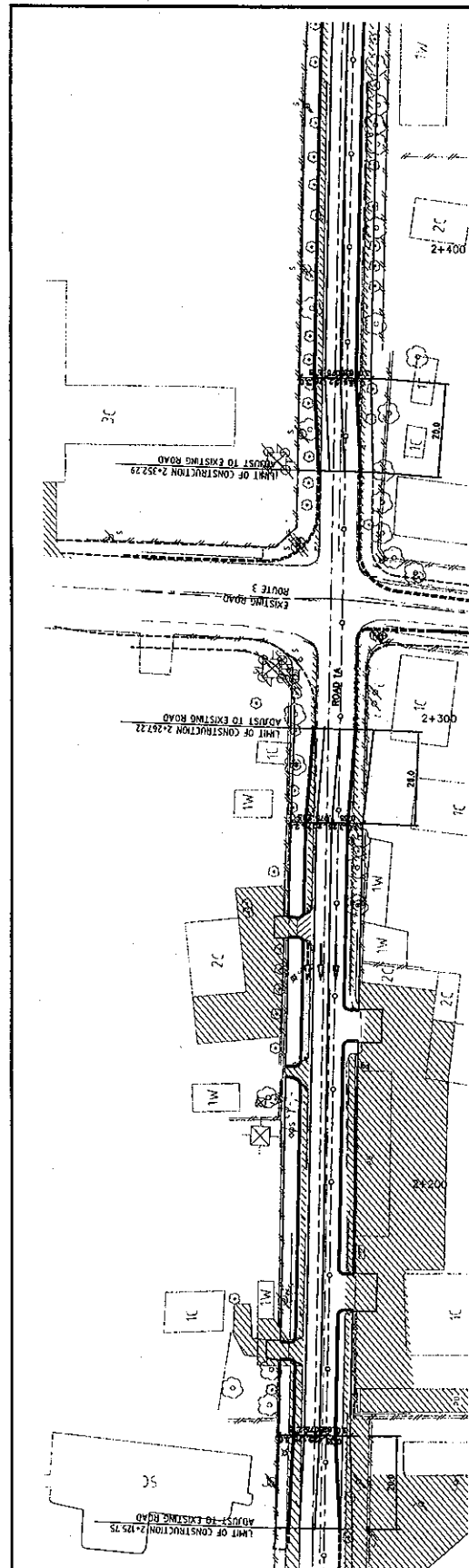
PLAN AND PROFILE (1-A)
 (STA. 1+800 - STA. 2+100)

SCALE:
 H=1:500
 V=1:100

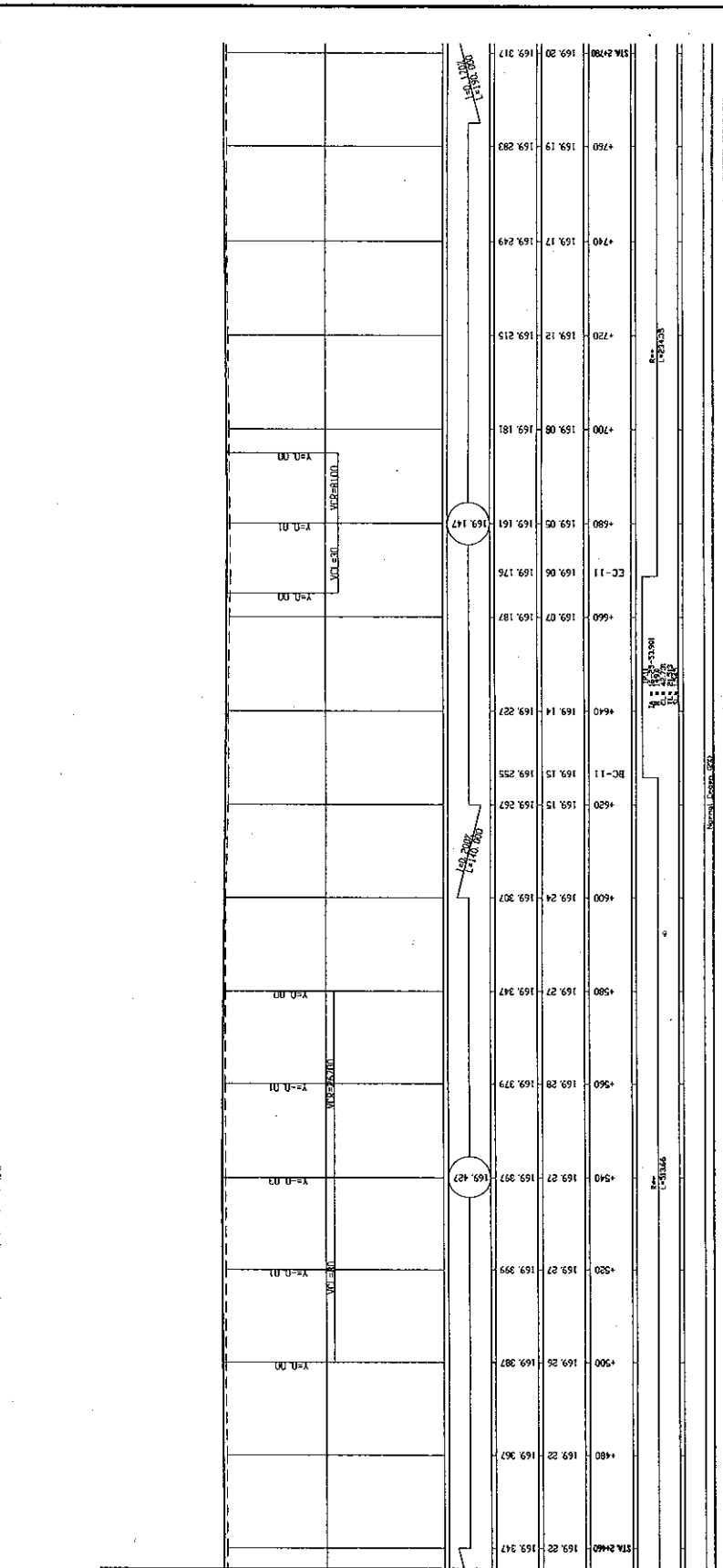
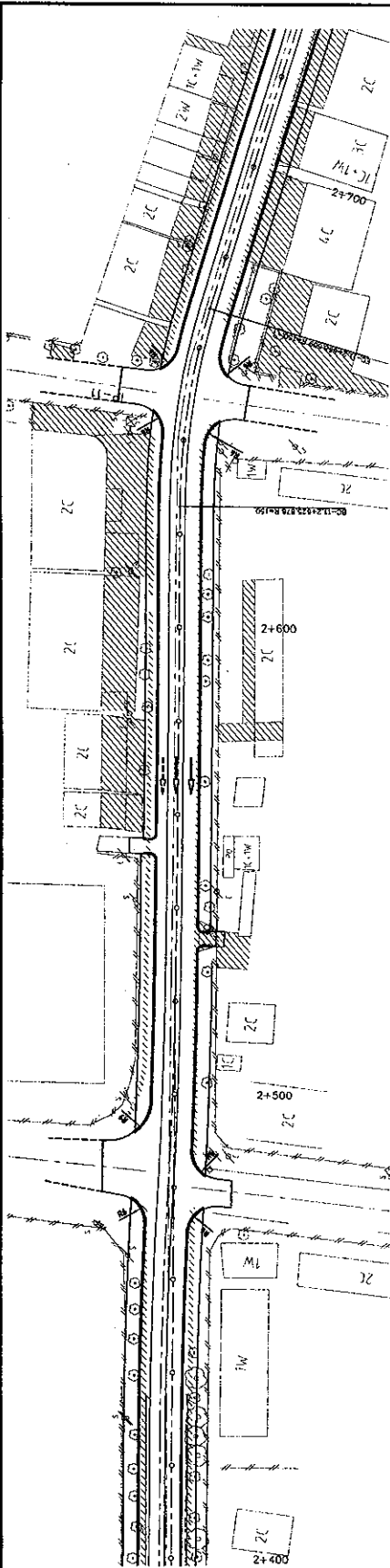
DRAWING NO:
 PL-93

TYPE: (B-3)
 TYPE: (B-3)

STA 1+800
 STA 2+100



DRAWING NO:	PL-94
	REV
SCALE:	H=1:500
	V=1:100
TITLE:	PLAN AND PROFILE (1-A) (STA 2+160 - STA 1+600)
JAPAN INTERNATIONAL COOPERATION AGENCY KATAHIRA & ENGINEERS INTERNATIONAL CTI ENGINEERING INTERNATIONAL CO. LTD	
BASIC DESIGN STUDY ON THE PROJECT FOR THE IMPROVEMENT OF THE VIENTIANE NO.1 ROAD IN THE LAO PEOPLE'S DEMOCRATIC REPUBLIC	
ROADS DEPARTMENT, MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION LAO PEOPLE'S DEMOCRATIC REPUBLIC	



VERTICAL ALIGNMENT	169.20	169.19	169.17	169.15	169.12	169.08	169.05	169.06	169.07	169.14	169.15	169.15	169.24	169.27	169.28	169.29	169.27	169.25	169.22	169.22
PAVEMENT LEVELS	169.20	169.19	169.17	169.15	169.12	169.08	169.05	169.06	169.07	169.14	169.15	169.15	169.24	169.27	169.28	169.29	169.27	169.25	169.22	169.22
SURFACE LEVELS	169.20	169.19	169.17	169.15	169.12	169.08	169.05	169.06	169.07	169.14	169.15	169.15	169.24	169.27	169.28	169.29	169.27	169.25	169.22	169.22
PEGGED CHAINAGE	169.20	169.19	169.17	169.15	169.12	169.08	169.05	169.06	169.07	169.14	169.15	169.15	169.24	169.27	169.28	169.29	169.27	169.25	169.22	169.22
HORIZONTAL CURVATURE	<p>STATIONING: 169.200 to 169.317</p> <p>VERTICAL CURVE DATA: VC=169.147, VC=169.147</p> <p>GRADES: 1:100, 1:500</p>																			
SUPERELEVATION																				
TYPICAL CROSS SECTION TYPE																				

ROADS DEPARTMENT, MINISTRY OF COMMUNICATION
 TRANSPORT, POST AND CONSTRUCTION
 LAO PEOPLE'S DEMOCRATIC REPUBLIC

BASIC DESIGN STUDY ON THE PROJECT FOR THE
 IMPROVEMENT OF THE VIENTIANE NO.1 ROAD IN THE
 LAO PEOPLE'S DEMOCRATIC REPUBLIC

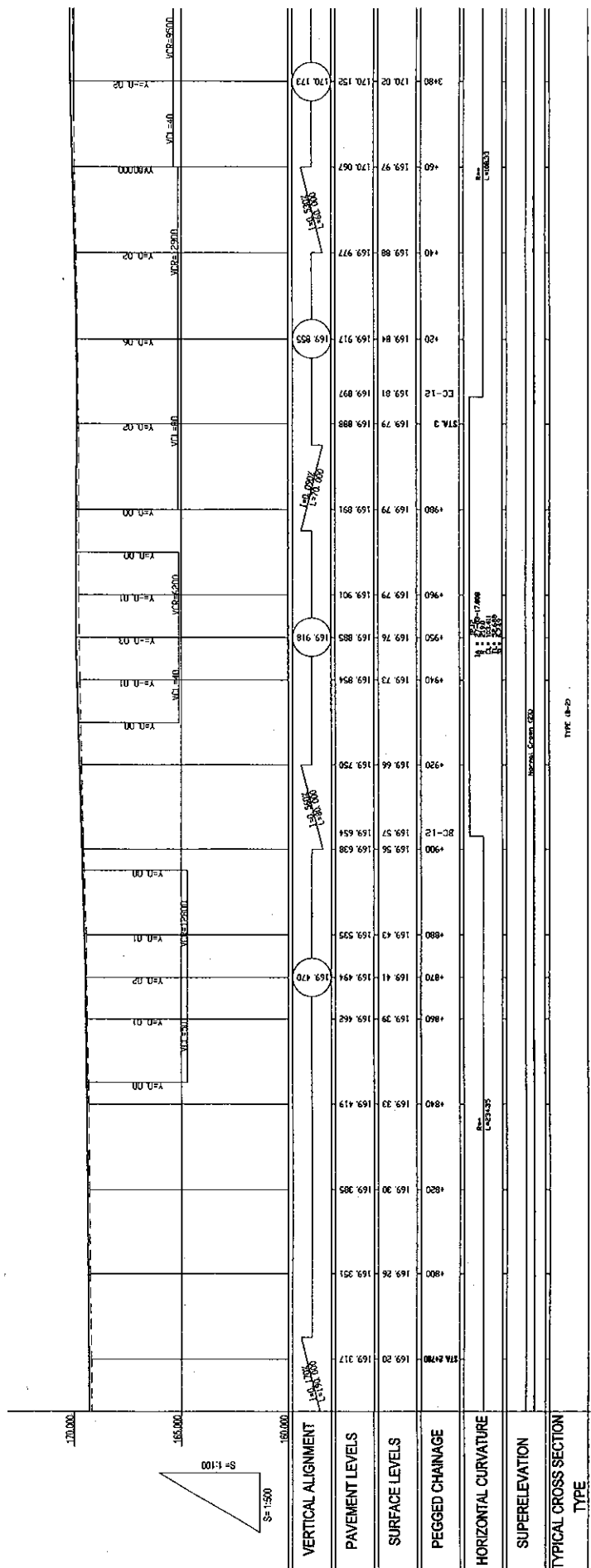
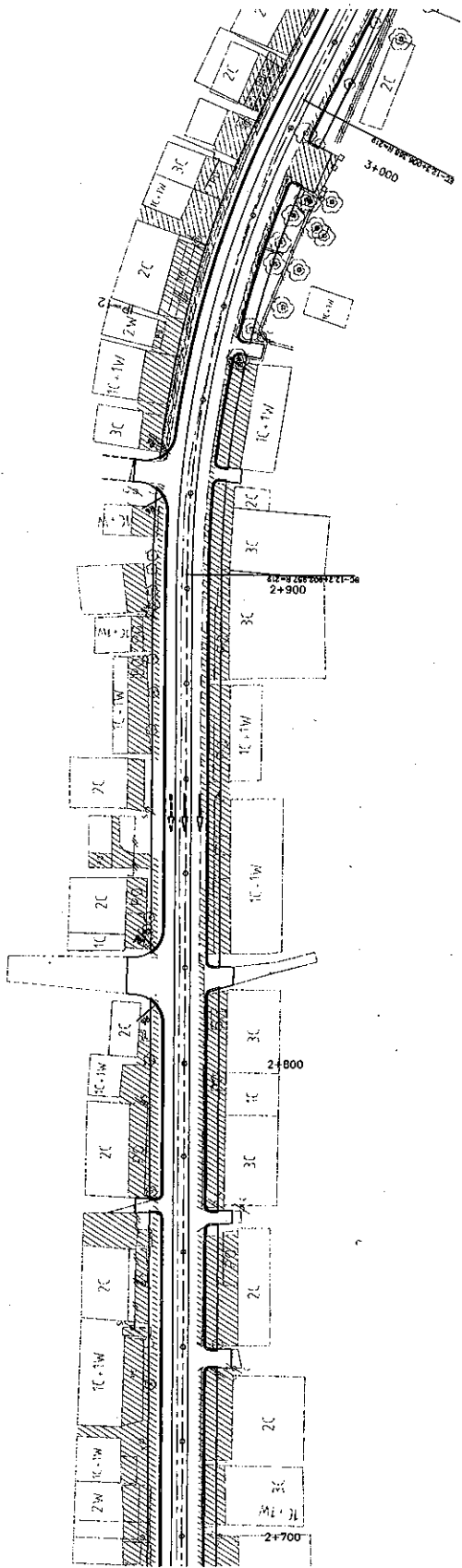
JAPAN INTERNATIONAL COOPERATION AGENCY
 KATAHIRA & ENGINEERS INTERNATIONAL
 CTI ENGINEERING INTERNATIONAL CO. LTD

TITLE: PLAN AND PROFILE (1-A)
 (STA. 2+400 - STA. 2+700)

SCALE: H=1:500
 V=1:100

DRAWING NO: PL-95

REV.



ROADS DEPARTMENT, MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION
 LAO PEOPLE'S DEMOCRATIC REPUBLIC

BASIC DESIGN STUDY ON THE PROJECT FOR THE IMPROVEMENT OF THE VIENTIANE NO.1 ROAD IN THE LAO PEOPLE'S DEMOCRATIC REPUBLIC

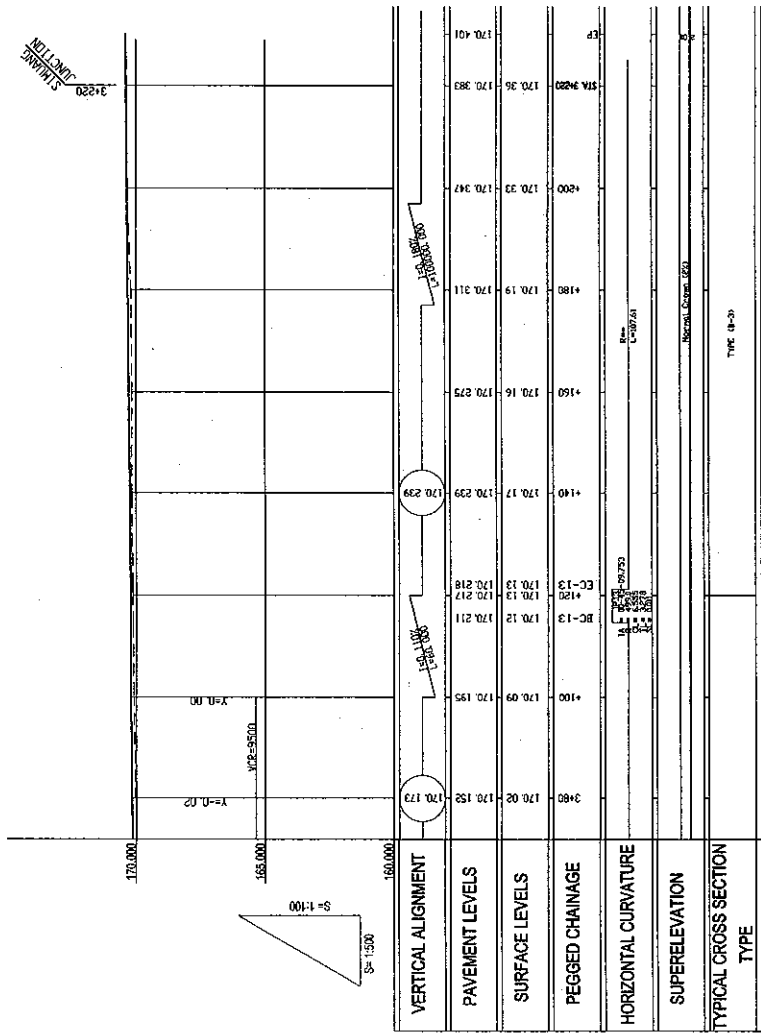
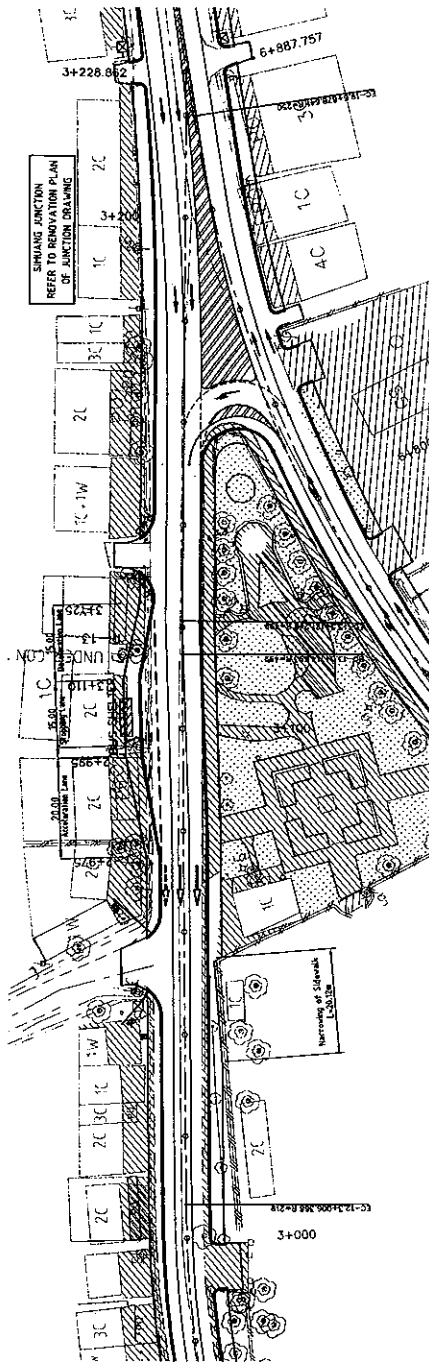
JAPAN INTERNATIONAL COOPERATION AGENCY
 KATAHIRA & ENGINEERS INTERNATIONAL
 CTI ENGINEERING INTERNATIONAL CO. LTD

TITLE: PLAN AND PROFILE (1-A)
 (STA. 2+700 - STA. 3+000)

SCALE: H=1:500
 V=1:100

DRAWING NO: PL-96

NO



ROADS DEPARTMENT, MINISTRY OF COMMUNICATION
 TRANSPORT, POST AND CONSTRUCTION
 LAO PEOPLE'S DEMOCRATIC REPUBLIC

BASIC DESIGN STUDY ON THE PROJECT FOR THE
 IMPROVEMENT OF THE VIENTIANE NO.1 ROAD IN THE
 LAO PEOPLE'S DEMOCRATIC REPUBLIC

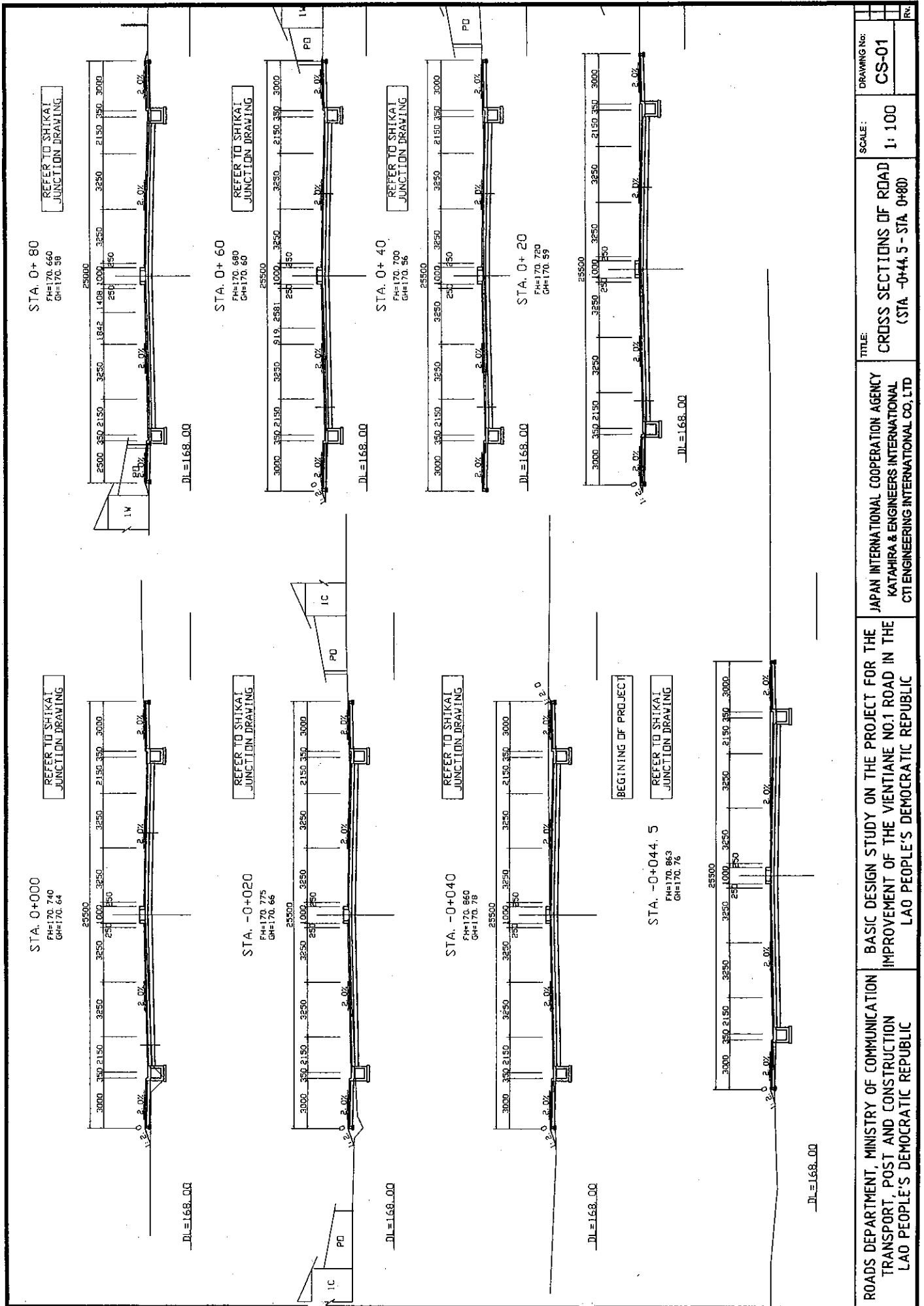
JAPAN INTERNATIONAL COOPERATION AGENCY
 KATAHIRA & ENGINEERS INTERNATIONAL
 CTI ENGINEERING INTERNATIONAL CO, LTD

TITLE: PLAN AND PROFILE (1-A)
 (STA. 3+000 - STA. 3+228.9)

SCALE: H=1:500
 V=1:100

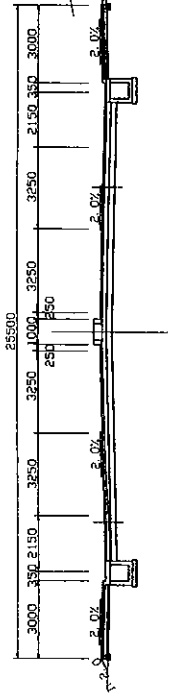
DRAWING NO: PL-97

REV.



ROADS DEPARTMENT, MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION LAO PEOPLE'S DEMOCRATIC REPUBLIC	BASIC DESIGN STUDY ON THE PROJECT FOR THE IMPROVEMENT OF THE VIENTIANE NO.1 ROAD IN THE LAO PEOPLE'S DEMOCRATIC REPUBLIC	JAPAN INTERNATIONAL COOPERATION AGENCY KATAHIRA & ENGINEERS INTERNATIONAL CTI ENGINEERING INTERNATIONAL CO. LTD	TITLE:	CROSS SECTIONS OF ROAD (STA. 0+44.5 - STA. 0+80)	DRAWING No:	CS-01
			SCALE:	1: 100		

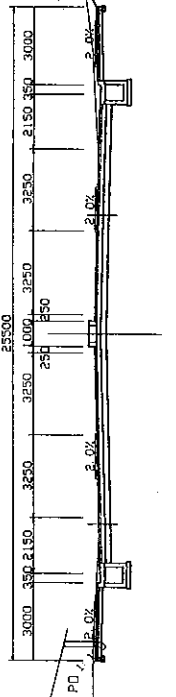
STA. 0+160
 FH=170.600
 GH=170.53



REFER TO SHIKAI
 JUNCTION DRAWING

DL=168.000

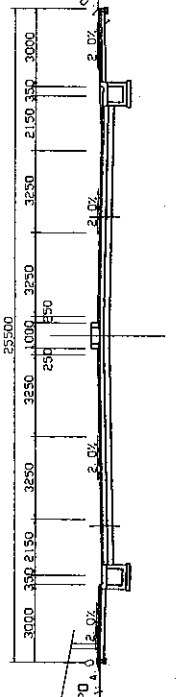
STA. 0+140
 FH=170.600
 GH=170.52



REFER TO SHIKAI
 JUNCTION DRAWING

DL=168.000

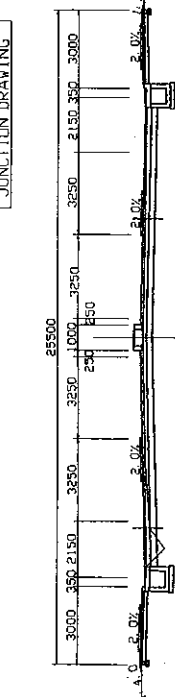
STA. 0+120
 FH=170.620
 GH=170.53



REFER TO SHIKAI
 JUNCTION DRAWING

DL=168.000

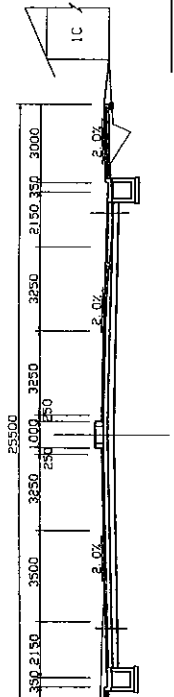
STA. 0+100
 FH=170.640
 GH=170.53



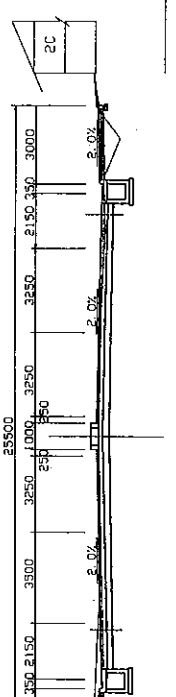
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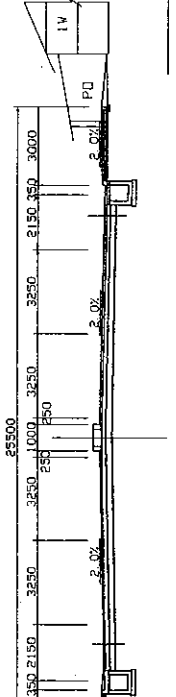
STA. 0+240
 FH=170.600
 GH=170.52



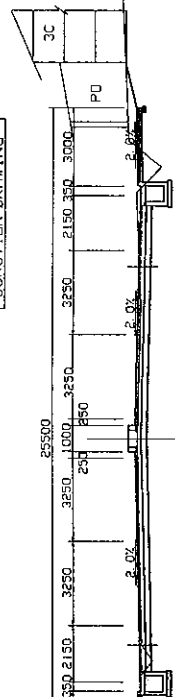
STA. 0+220
 FH=170.500
 GH=170.50



STA. 0+200
 FH=170.600
 GH=170.52



STA. 0+180
 FH=170.600
 GH=170.50

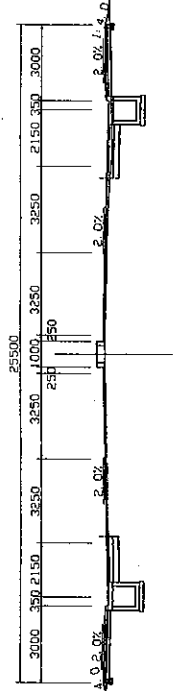


REFER TO SHIKAI
 JUNCTION DRAWING

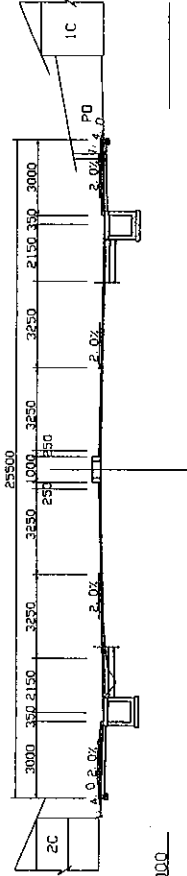
DL=168.000

ROADS DEPARTMENT, MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION LAO PEOPLE'S DEMOCRATIC REPUBLIC	BASIC DESIGN STUDY ON THE PROJECT FOR THE IMPROVEMENT OF THE VIENTIANE NO.1 ROAD IN THE LAO PEOPLE'S DEMOCRATIC REPUBLIC	JAPAN INTERNATIONAL COOPERATION AGENCY KATAHIRA & ENGINEERS INTERNATIONAL CTI ENGINEERING INTERNATIONAL CO. LTD	TITLE: CROSS SECTIONS OF ROAD (STA. 0+100 - STA. 0+240)	SCALE: 1:100	DRAWING No: CS-02	REV.
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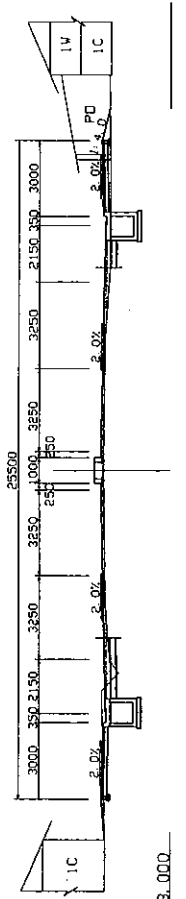
STA. 0+400
 FH=170.679
 GH=170.60



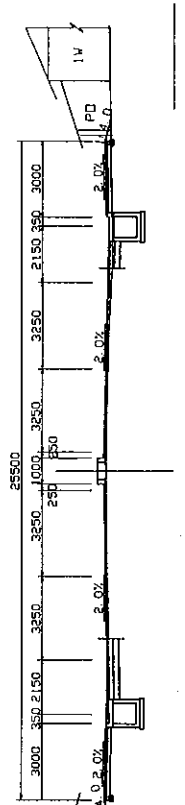
STA. 0+380
 FH=170.685
 GH=170.60



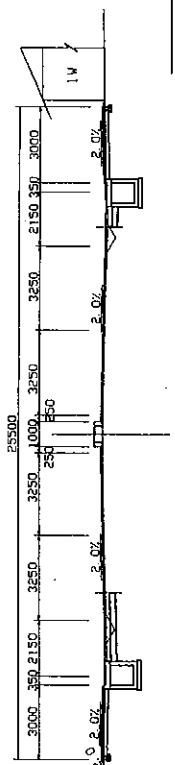
STA. 0+360
 FH=170.691
 GH=170.67



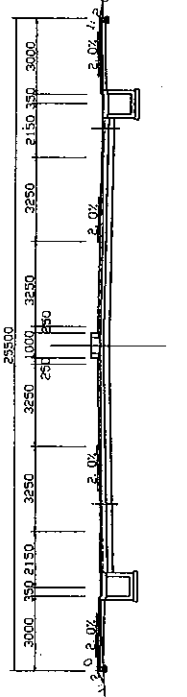
STA. 0+340
 FH=170.697
 GH=170.61



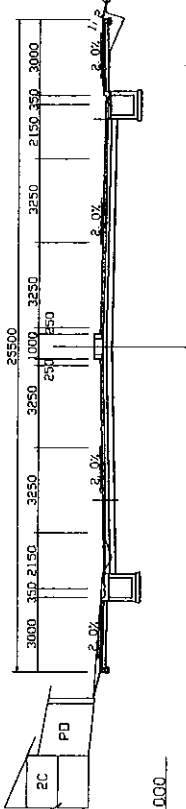
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 GH=170.60



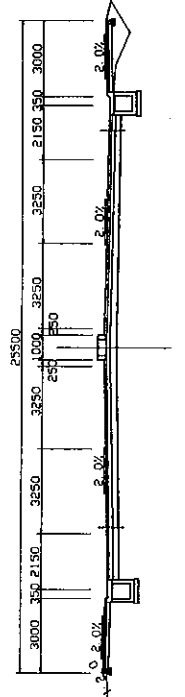
STA. 0+300
 FH=170.632
 GH=170.61



STA. 0+280
 FH=170.600
 GH=170.50



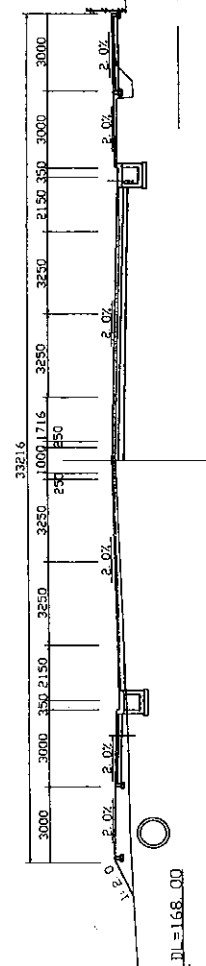
STA. 0+260
 FH=170.600
 GH=170.50



ROADS DEPARTMENT, MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION LAO PEOPLE'S DEMOCRATIC REPUBLIC	BASIC DESIGN STUDY ON THE PROJECT FOR THE IMPROVEMENT OF THE VIENTIANE NO.1 ROAD IN THE LAO PEOPLE'S DEMOCRATIC REPUBLIC	JAPAN INTERNATIONAL COOPERATION AGENCY KATAHIRA & ENGINEERS INTERNATIONAL CTI ENGINEERING INTERNATIONAL CO., LTD	TITLE:	DRAWING NO:
			CROSS SECTIONS OF ROAD (STA. 0+260 - STA. 0+400)	CS-03
		SCALE:	1:100	

STA. 1+020
FH=170.548
GH=170.43

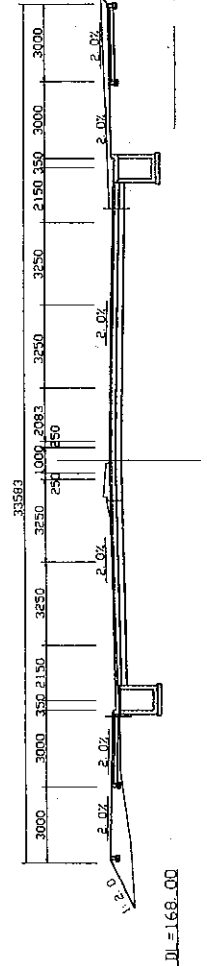
REFER TO WATTAY AIRPORT
JUNCTION DRAWING



DL=168.00

STA. 1+014
FH=170.538
GH=170.52

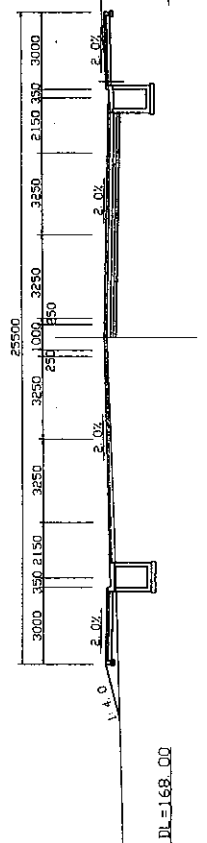
REFER TO WATTAY AIRPORT
JUNCTION DRAWING



DL=168.00

STA. 1+005.833
FH=170.530
GH=170.42

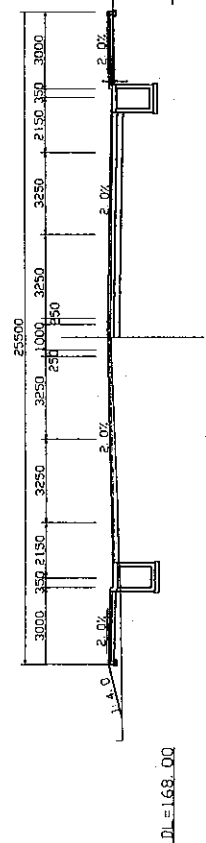
REFER TO WATTAY AIRPORT
JUNCTION DRAWING



DL=168.00

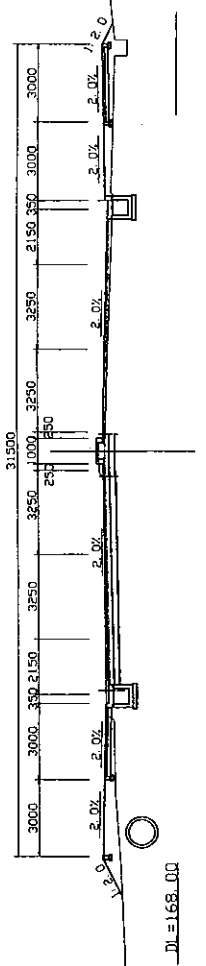
STA. 1+000
FH=170.527
GH=170.43

REFER TO WATTAY AIRPORT
JUNCTION DRAWING



DL=168.00

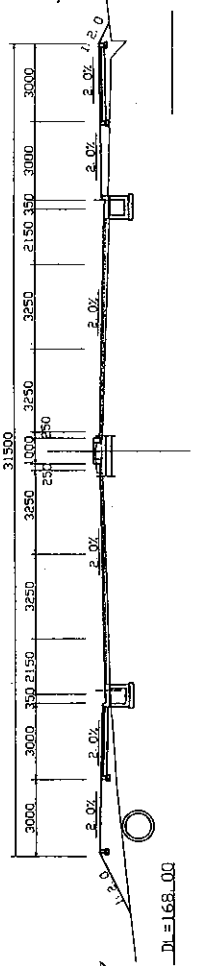
STA. 1+080.036
FH=170.811
GH=170.99



DL=168.00

STA. 1+80
FH=170.811
GH=170.98

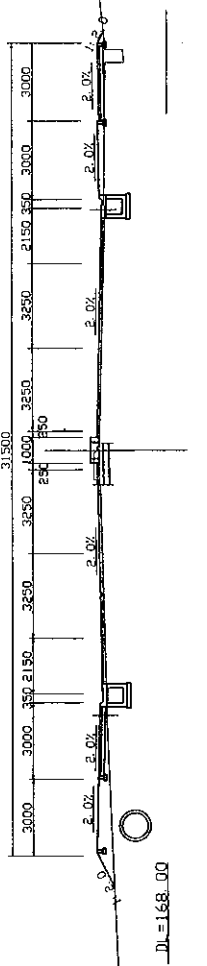
REFER TO WATTAY AIRPORT
JUNCTION DRAWING



DL=168.00

STA. 1+60
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GH=170.71

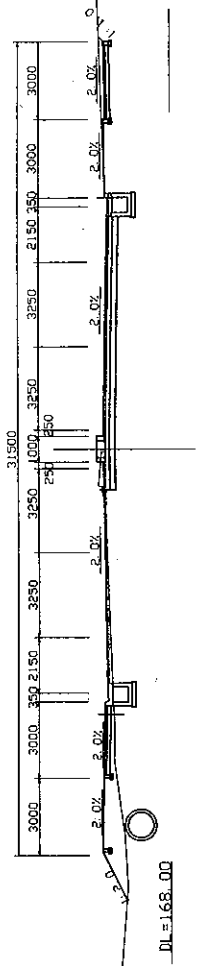
REFER TO WATTAY AIRPORT
JUNCTION DRAWING



DL=168.00

STA. 1+40
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GH=170.52

REFER TO WATTAY AIRPORT
JUNCTION DRAWING



DL=168.00

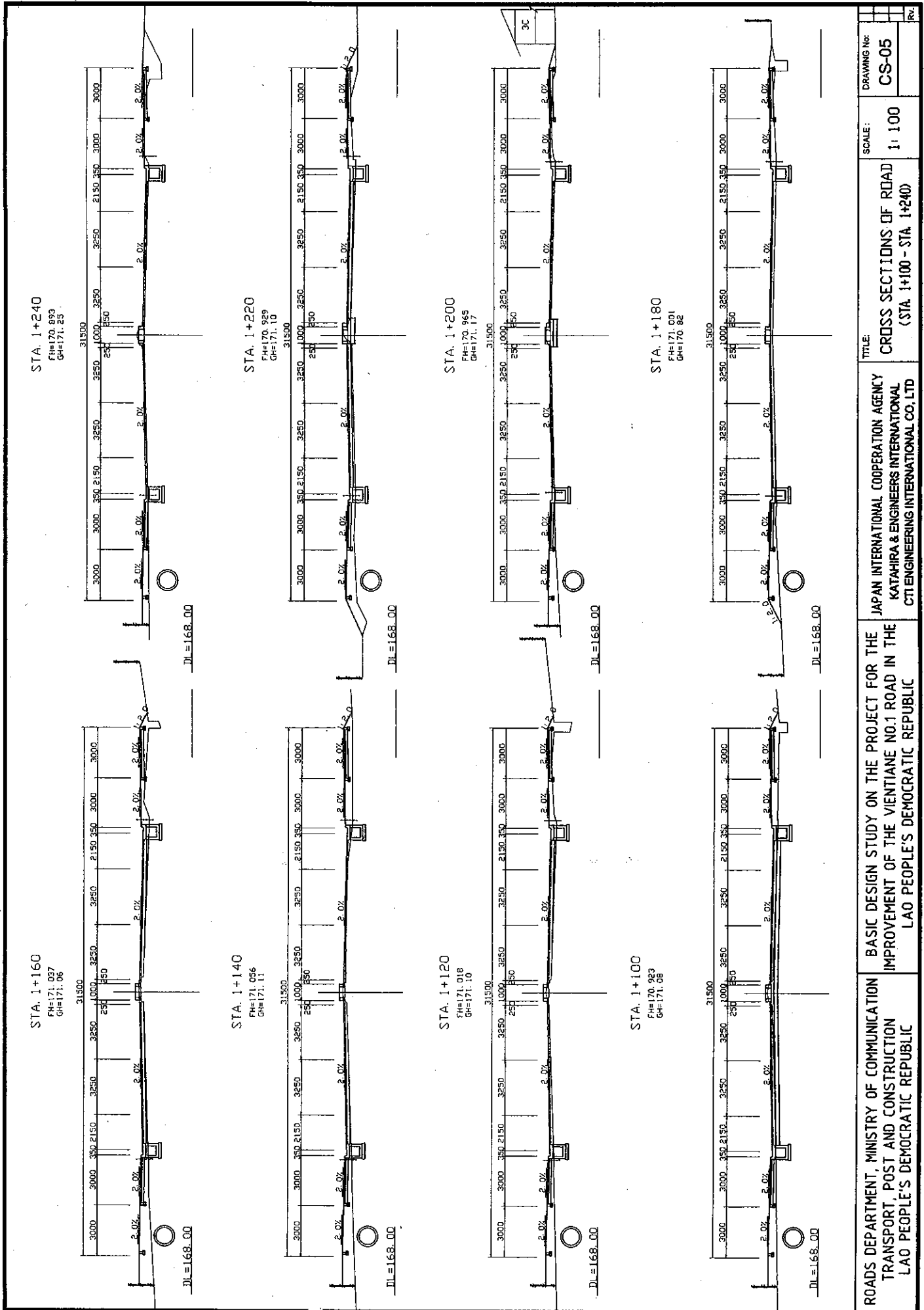
ROADS DEPARTMENT, MINISTRY OF COMMUNICATION
TRANSPORT, POST AND CONSTRUCTION
LAO PEOPLE'S DEMOCRATIC REPUBLIC

BASIC DESIGN STUDY ON THE PROJECT FOR THE
IMPROVEMENT OF THE VIENTIANE NO.1 ROAD IN THE
LAO PEOPLE'S DEMOCRATIC REPUBLIC

JAPAN INTERNATIONAL COOPERATION AGENCY
KATAHIRA & ENGINEERS INTERNATIONAL
CTI ENGINEERING INTERNATIONAL CO., LTD

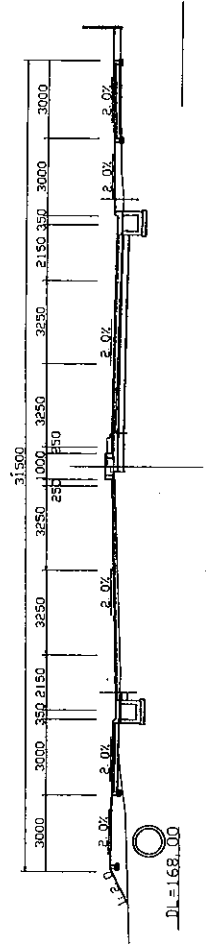
TITLE:
CROSS SECTIONS OF ROAD
(STA. 1+0 - STA. 1+80.036)

SCALE:
1:100
DRAWING No:
CS-04
REV.

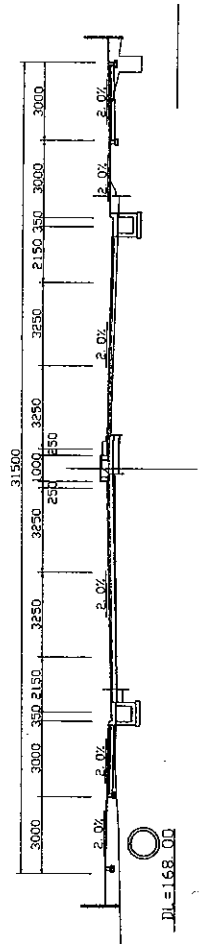


ROADS DEPARTMENT, MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION LAO PEOPLE'S DEMOCRATIC REPUBLIC	BASIC DESIGN STUDY ON THE PROJECT FOR THE IMPROVEMENT OF THE VIENTIANE NO.1 ROAD IN THE LAO PEOPLE'S DEMOCRATIC REPUBLIC	JAPAN INTERNATIONAL COOPERATION AGENCY KATAHIRA & ENGINEERS INTERNATIONAL CTI ENGINEERING INTERNATIONAL CO., LTD	TITLE:	DRAWING No:	REV.
			CROSS SECTIONS OF ROAD (STA. 1+100 - STA. 1+240)	CS-05	
			SCALE:		
			1:100		

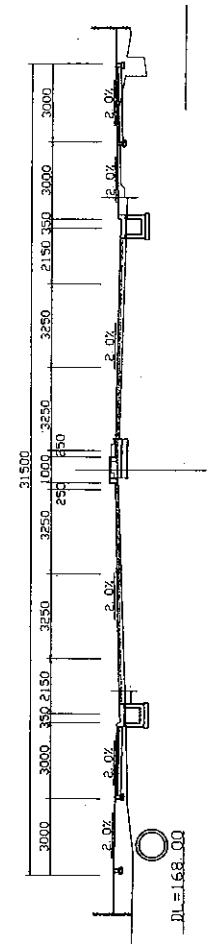
STA. 1+400
FH=170.695
GH=170.65



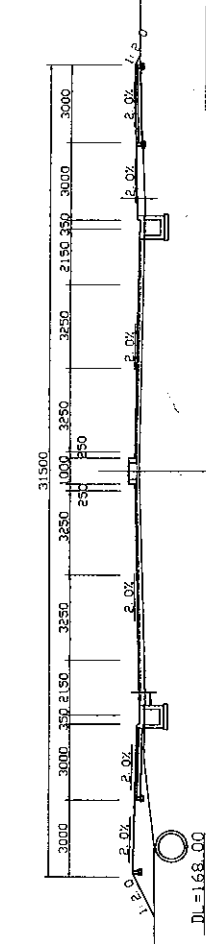
STA. 1+380
FH=170.641
GH=170.83



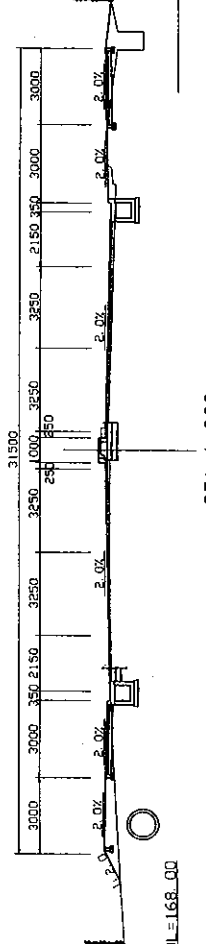
STA. 1+360
FH=170.627
GH=170.87



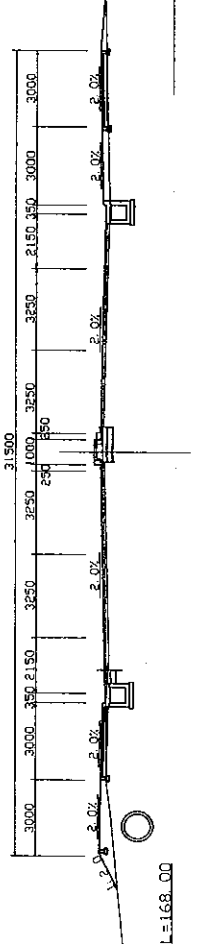
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FH=170.713
GH=170.55



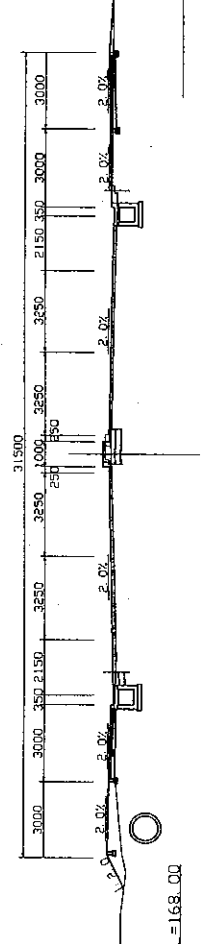
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GH=170.91



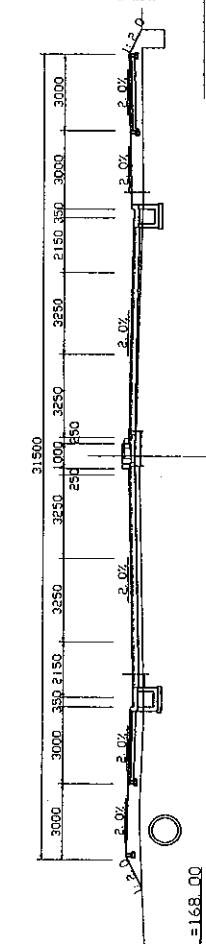
STA. 1+300
FH=170.785
GH=170.95



STA. 1+280
FH=170.821
GH=170.97

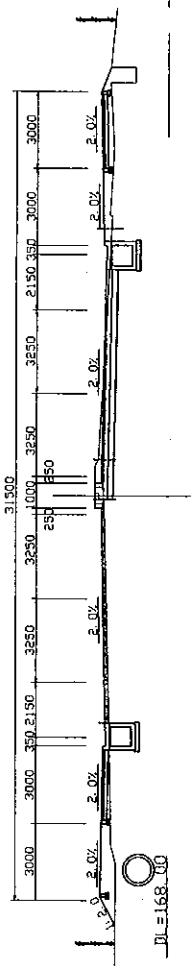


STA. 1+260
FH=170.857
GH=171.01

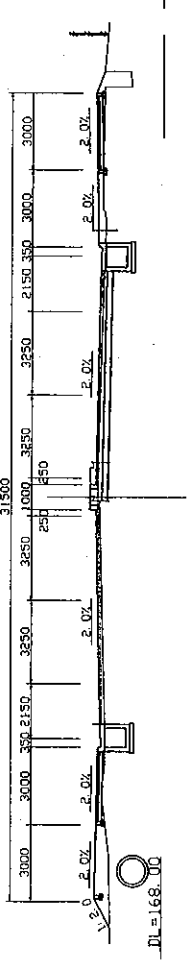


ROADS DEPARTMENT, MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION LAO PEOPLE'S DEMOCRATIC REPUBLIC	BASIC DESIGN STUDY ON THE PROJECT FOR THE IMPROVEMENT OF THE VIENTIANE NO.1 ROAD IN THE LAO PEOPLE'S DEMOCRATIC REPUBLIC	JAPAN INTERNATIONAL COOPERATION AGENCY KATAHIRA & ENGINEERS INTERNATIONAL CTI ENGINEERING INTERNATIONAL CO. LTD	TITLE CROSS SECTIONS OF ROAD (STA. 1+260 - STA. 1+400)	SCALE: 1:100	DRAWING NO. CS-06	RV.
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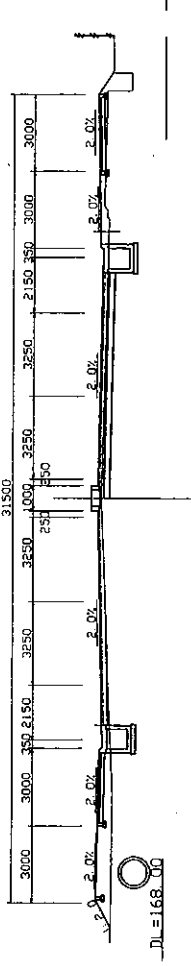
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GH=170.65



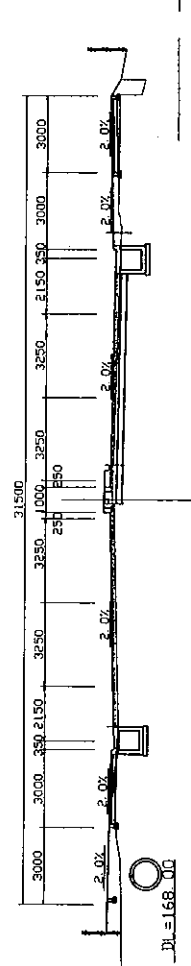
STA. 1+460
FH=170.553
GH=170.63



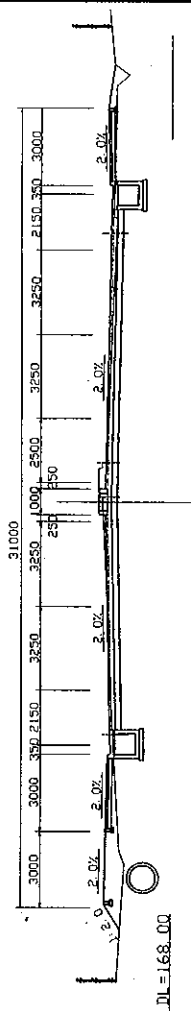
STA. 1+440
FH=170.561
GH=170.42



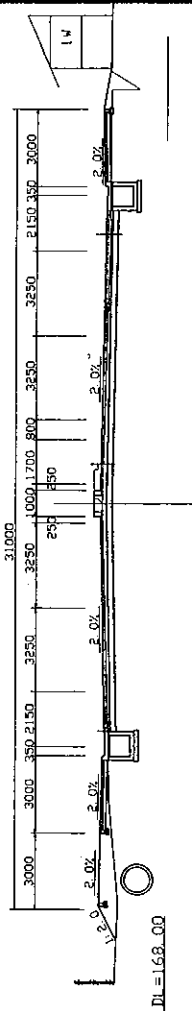
STA. 1+420
FH=170.569
GH=170.65



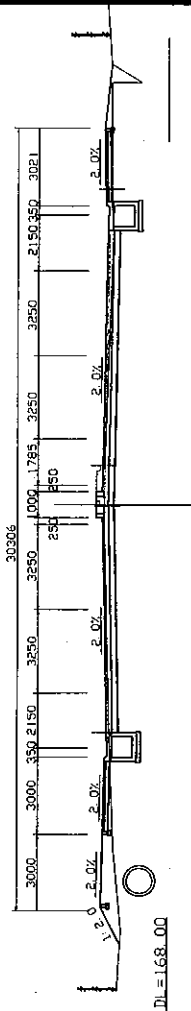
STA. 1+560
FH=170.513
GH=170.62



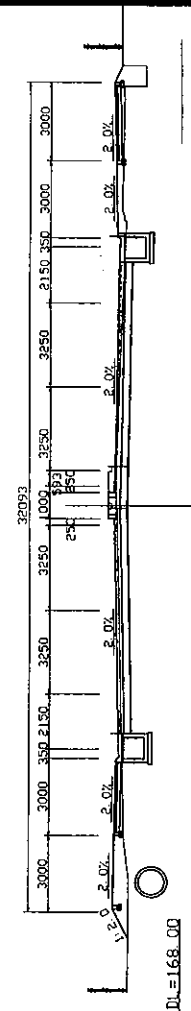
STA. 1+540
FH=170.521
GH=170.43



STA. 1+520
FH=170.529
GH=170.63

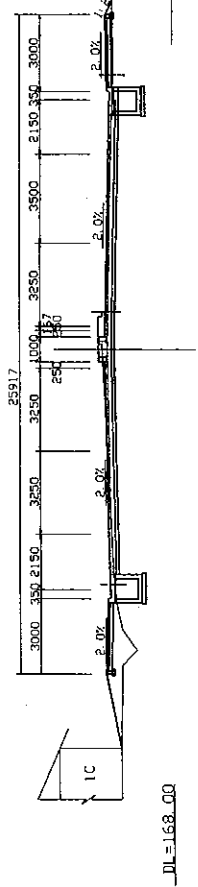


STA. 1+500
FH=170.537
GH=170.64



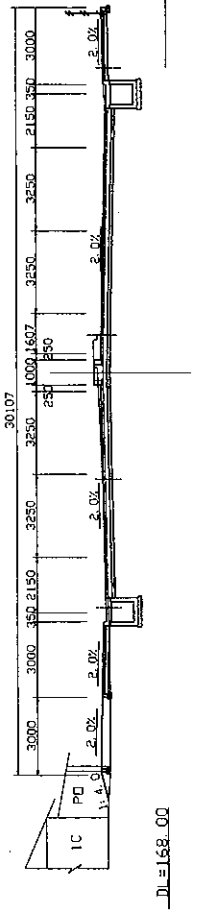
ROADS DEPARTMENT, MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION LAO PEOPLE'S DEMOCRATIC REPUBLIC	BASIC DESIGN STUDY ON THE PROJECT FOR THE IMPROVEMENT OF THE VIENTIANE NO.1 ROAD IN THE LAO PEOPLE'S DEMOCRATIC REPUBLIC	JAPAN INTERNATIONAL COOPERATION AGENCY KATAHIRA & ENGINEERS INTERNATIONAL CTI ENGINEERING INTERNATIONAL CO. LTD	TITLE: CROSS SECTIONS OF ROAD (STA. 1+420 - STA. 1+560)	SCALE: 1: 100	DRAWING No: CS-07	Rev
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STA. 1+640
 FH=170.601
 GH=170.71



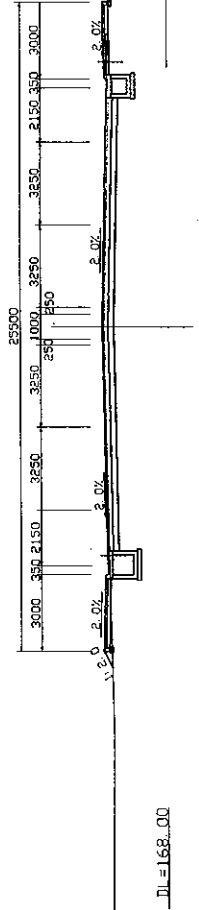
DL=168.00

STA. 1+620
 FH=170.549
 GH=170.67



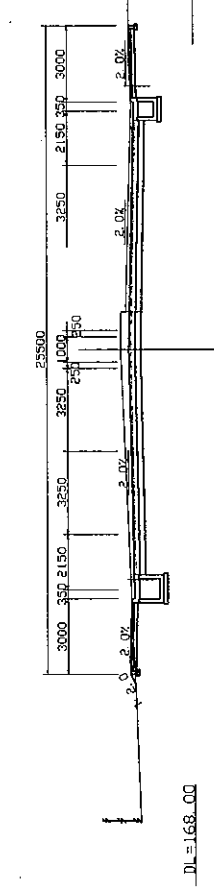
DL=168.00

STA. 1+600
 FH=170.512
 GH=170.49



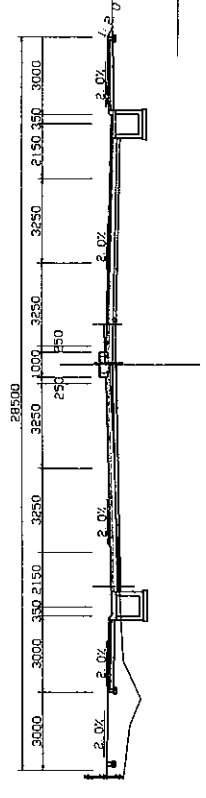
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STA. 1+580
 FH=170.505
 GH=170.83



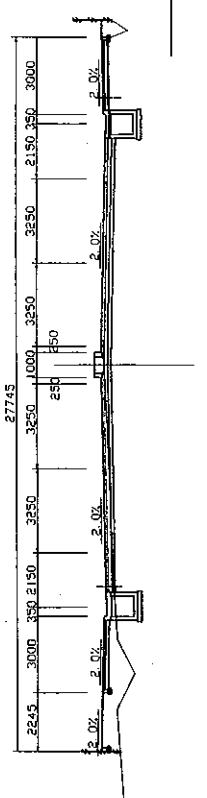
DL=168.00

STA. 1+700
 FH=170.757
 GH=170.61



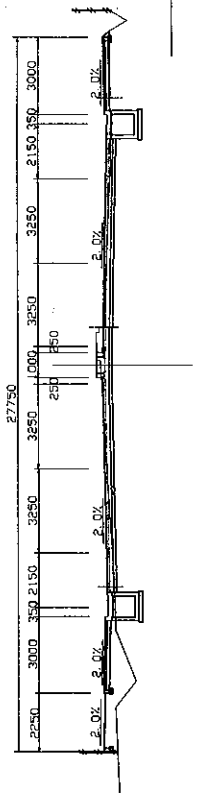
DL=168.00

STA. 1+689.693
 FH=170.730
 GH=170.60



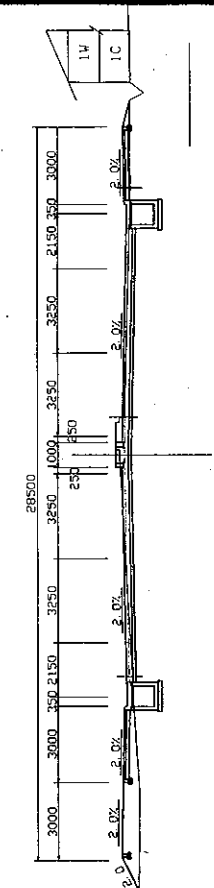
DL=168.00

STA. 1+680
 FH=170.705
 GH=170.78



DL=168.00

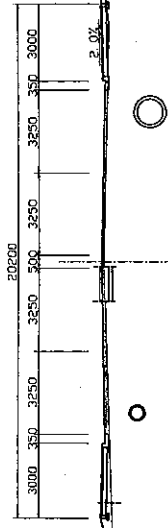
STA. 1+660
 FH=170.653
 GH=170.74



DL=168.00

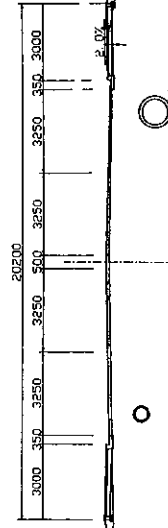
ROADS DEPARTMENT, MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION LAO PEOPLE'S DEMOCRATIC REPUBLIC	BASIC DESIGN STUDY ON THE PROJECT FOR THE IMPROVEMENT OF THE VIENTIANE NO.1 ROAD IN THE LAO PEOPLE'S DEMOCRATIC REPUBLIC	JAPAN INTERNATIONAL COOPERATION AGENCY KATAHIRA & ENGINEERS INTERNATIONAL CTI ENGINEERING INTERNATIONAL CO. LTD	TITLE: CROSS SECTIONS OF ROAD (STA. 1+580 - STA. 1+700)	SCALE: 1:100	DRAWING No. CS-08	Rv.
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STA. 3+980
 FH=170.476
 GH=170.40



DL=168.00

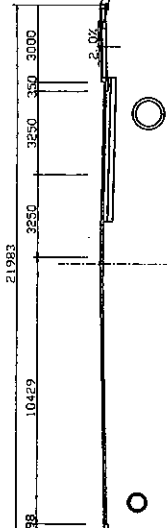
STA. 3+960
 FH=170.450
 GH=170.33



DL=168.00

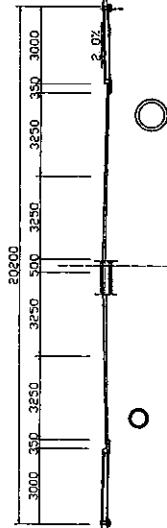
STA. 3+951.678
 FH=170.489
 GH=170.33

REFER TO LAKSONG
 JUNCTION DRAWING



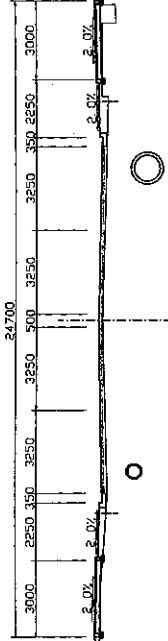
DL=168.00

STA. 3+940
 FH=170.424
 GH=170.51



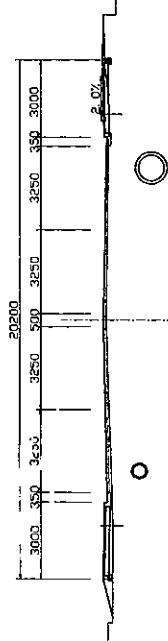
DL=168.00

STA. 4+060
 FH=170.564
 GH=170.42



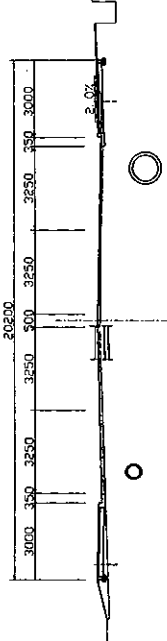
DL=168.00

STA. 4+040
 FH=170.546
 GH=170.43



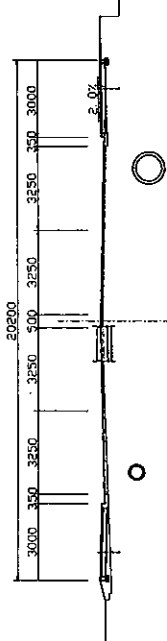
DL=168.00

STA. 4+020
 FH=170.526
 GH=170.43



DL=168.00

STA. 4+000
 FH=170.502
 GH=170.43



DL=168.00

ROADS DEPARTMENT, MINISTRY OF COMMUNICATION
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 LAO PEOPLE'S DEMOCRATIC REPUBLIC

BASIC DESIGN STUDY ON THE PROJECT FOR THE
 IMPROVEMENT OF THE VIENTIANE NO.1 ROAD IN THE
 LAO PEOPLE'S DEMOCRATIC REPUBLIC

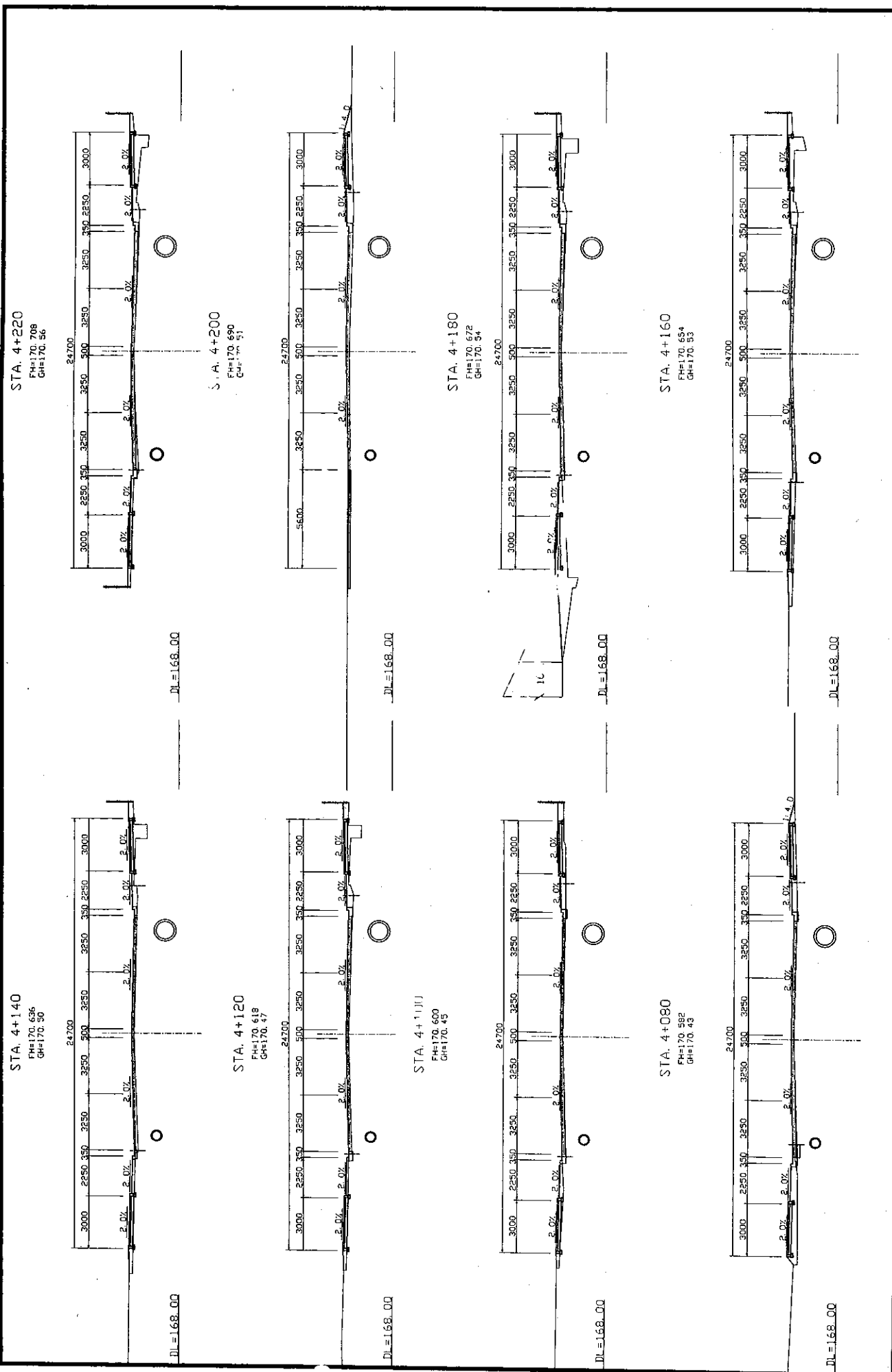
JAPAN INTERNATIONAL COOPERATION AGENCY
 KATAHIRA & ENGINEERS INTERNATIONAL
 CTI ENGINEERING INTERNATIONAL CO. LTD

TITLE:
 CROSS SECTIONS OF ROAD
 (STA. 3+940 - STA. 4+60)

SCALE:
 1:100

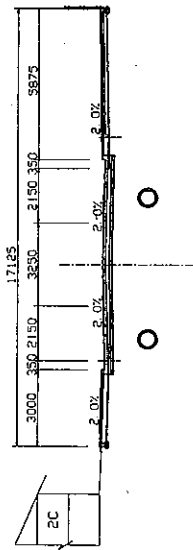
DRAWING NO:
 CS-09

REV.



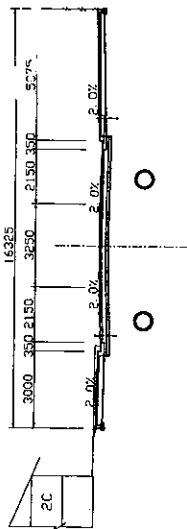
ROADS DEPARTMENT, MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION LAO PEOPLE'S DEMOCRATIC REPUBLIC.	BASIC DESIGN STUDY ON THE PROJECT FOR THE IMPROVEMENT OF THE VIENTIANE NO.1 ROAD IN THE LAO PEOPLE'S DEMOCRATIC REPUBLIC	JAPAN INTERNATIONAL COOPERATION AGENCY KATAHIRA & ENGINEERS INTERNATIONAL CTI ENGINEERING INTERNATIONAL CO., LTD	TITLE: CROSS SECTIONS OF ROAD (STA. 4+80- STA. 4+220)	SCALE: 1: 100	DRAWING NO: CS-10	Rv.
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STA. 4+900
FH=170.376
GH=170.28



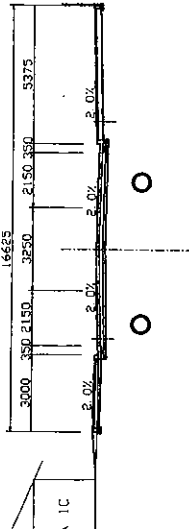
DL=168.00

STA. 4+880
FH=170.506
GH=170.47



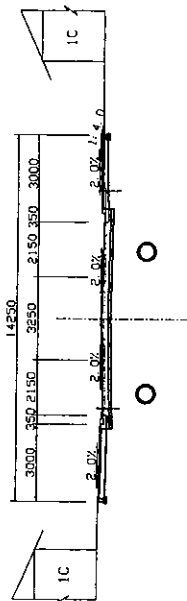
DL=168.00

STA. 4+860
FH=170.636
GH=170.54



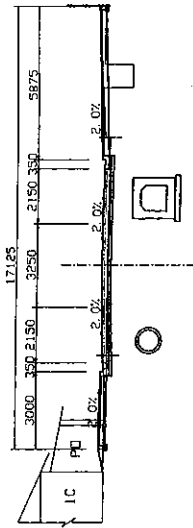
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STA. 4+847.365
FH=170.718
GH=170.76



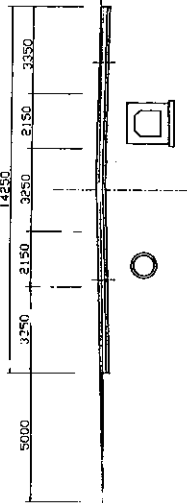
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STA. 4+980
FH=170.045
GH=169.85



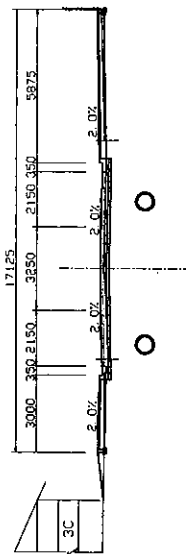
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STA. 4+960
FH=170.112
GH=169.97



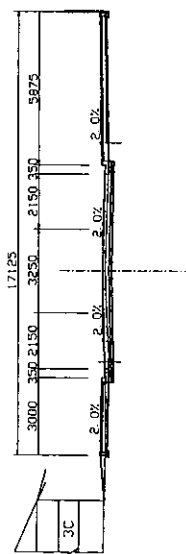
DL=167.00

STA. 4+940
FH=170.179
GH=170.03



DL=168.00

STA. 4+920
FH=170.258
GH=170.16



DL=168.00

ROADS DEPARTMENT, MINISTRY OF COMMUNICATION
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BASIC DESIGN STUDY ON THE PROJECT FOR THE
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LAO PEOPLE'S DEMOCRATIC REPUBLIC

JAPAN INTERNATIONAL COOPERATION AGENCY
KATAHIRA & ENGINEERS INTERNATIONAL
CTI ENGINEERING INTERNATIONAL CO., LTD

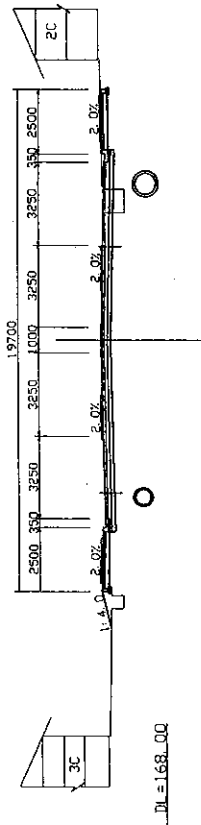
TITLE:
CROSS SECTIONS OF ROAD
(STA. 4+847.365 - STA. 4+980)

SCALE:
1: 100

DRAWING No:
CS-11

Rv

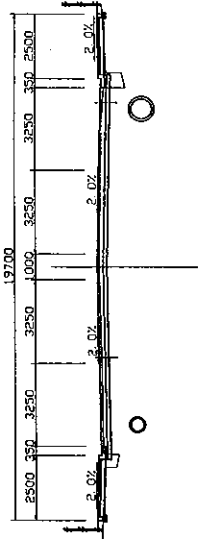
STA. 6+900
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 GH=170.31



DL=168.00

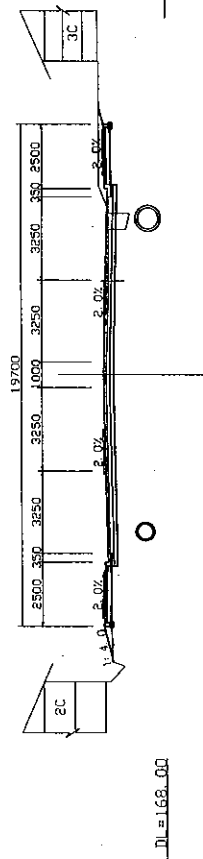
DL=168.00

STA. 6+980
 FH=170.501
 GH=170.42



STA. 6+880
 FH=170.399
 GH=170.30

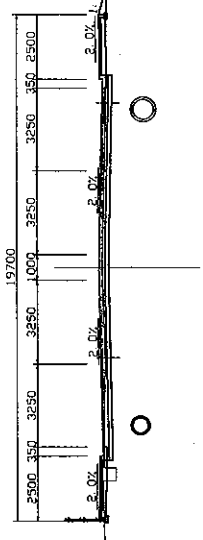
REFER TO SIMUANG
 JUNCTION DRAWING



DL=168.00

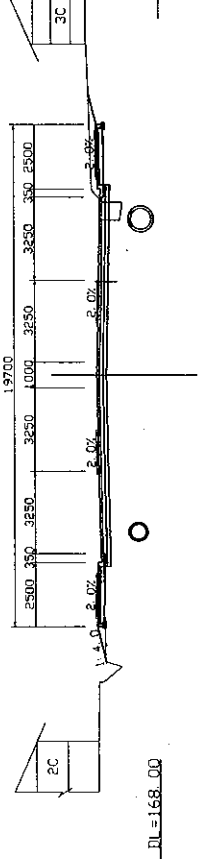
DL=168.00

STA. 6+960
 FH=170.491
 GH=170.36



STA. 6+878.642
 FH=170.397
 GH=170.31

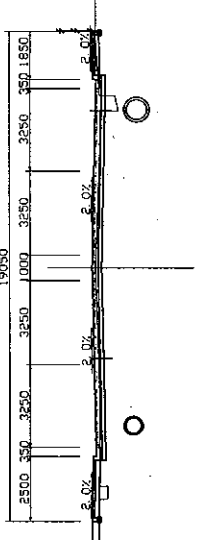
REFER TO SIMUANG
 JUNCTION DRAWING



DL=168.00

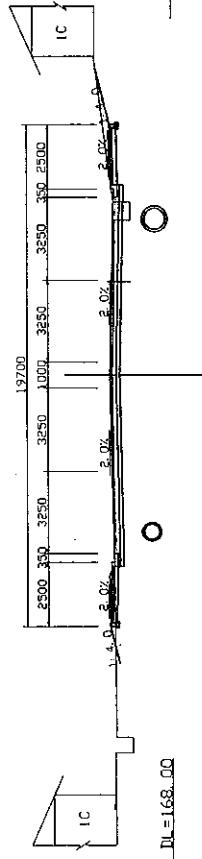
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STA. 6+940
 FH=170.481
 GH=170.35



STA. 6+860
 FH=170.363
 GH=170.28

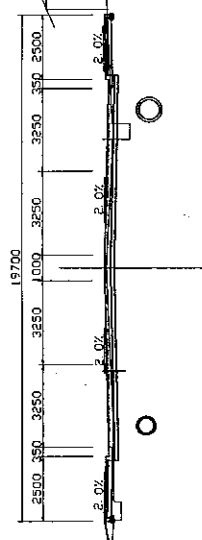
REFER TO SIMUANG
 JUNCTION DRAWING



DL=168.00

DL=168.00

STA. 6+920
 FH=170.471
 GH=170.41



ROADS DEPARTMENT, MINISTRY OF COMMUNICATION
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BASIC DESIGN STUDY ON THE PROJECT FOR THE
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 LAO PEOPLE'S DEMOCRATIC REPUBLIC

JAPAN INTERNATIONAL COOPERATION AGENCY
 KATAHIRA & ENGINEERS INTERNATIONAL
 CTI ENGINEERING INTERNATIONAL CO. LTD

TITLE:
 CROSS SECTIONS OF ROAD
 (STA. 6+860-STA. 6+980)

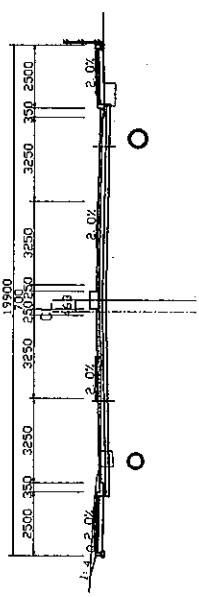
SCALE:
 1:100

DRAWING No.
 CS-12

Rv.

STA. 7+040

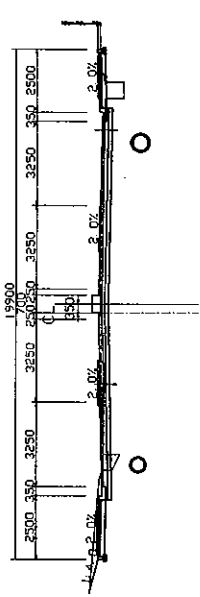
FH=170.511
GH=170.39



DL=168.00

STA. 7+035.962

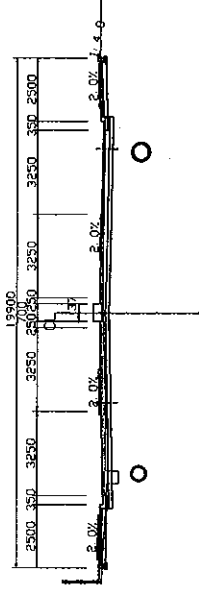
FH=170.513
GH=170.39



DL=168.00

STA. 7+020

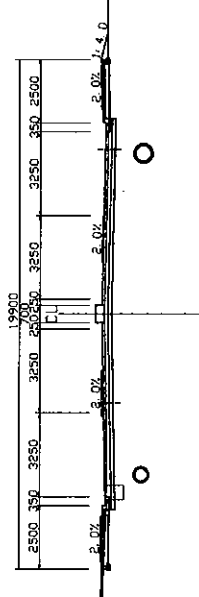
FH=170.521
GH=170.38



DL=168.00

STA. 7+000

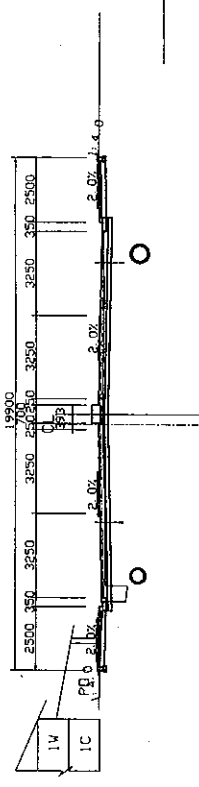
FH=170.511
GH=170.41



DL=168.00

STA. 7+100

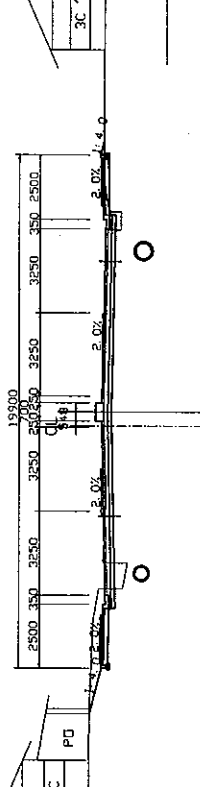
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GH=170.37



DL=168.00

STA. 7+080

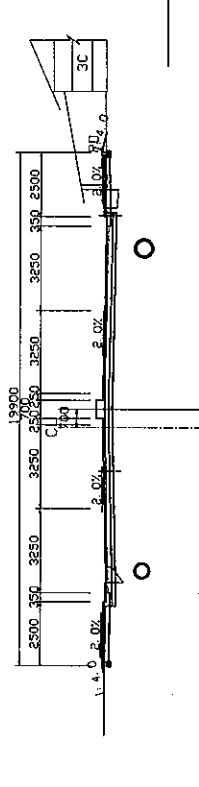
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DL=168.00

STA. 7+060.202

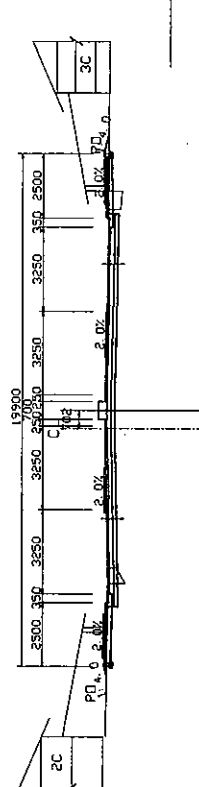
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DL=168.00

STA. 7+060

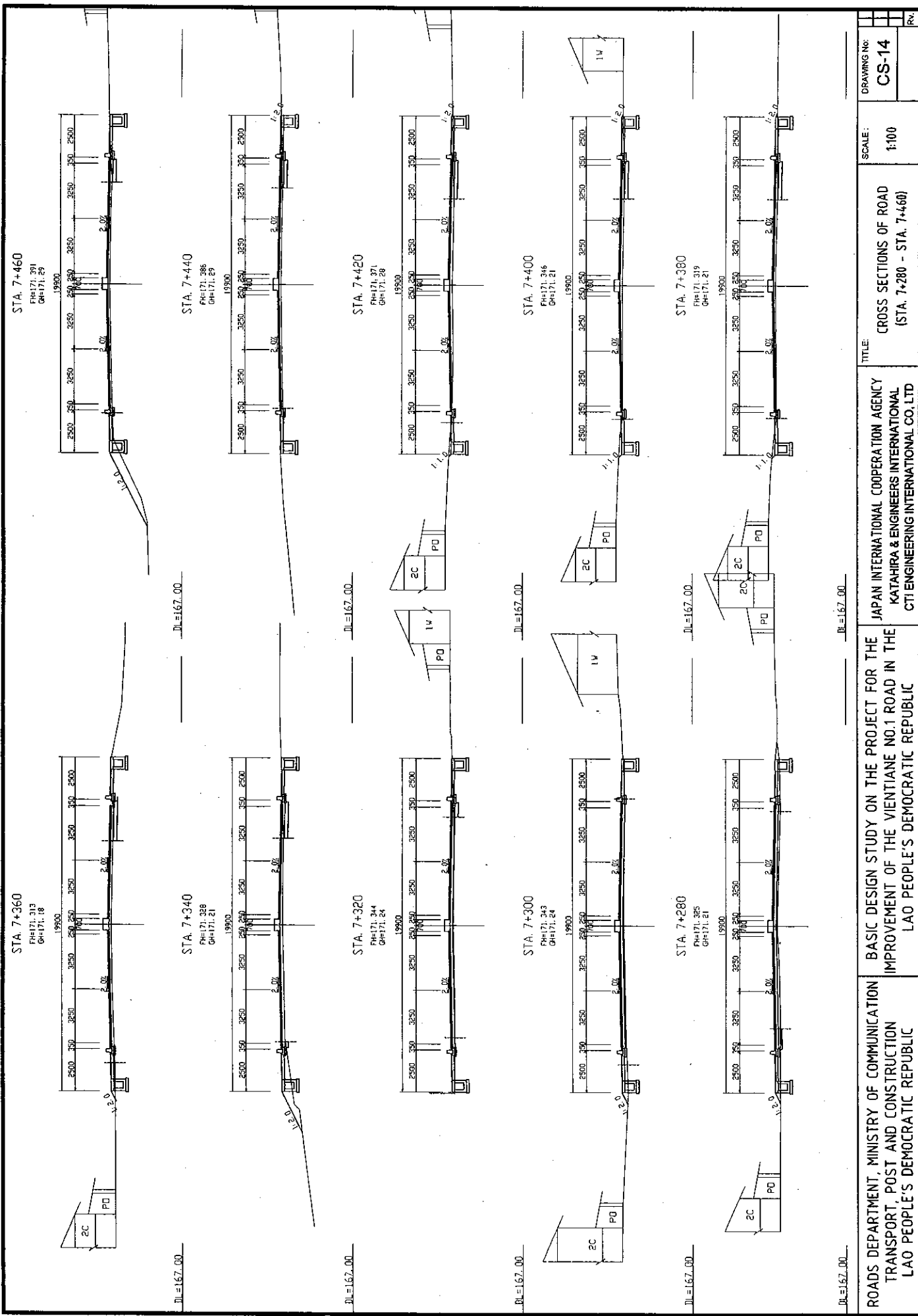
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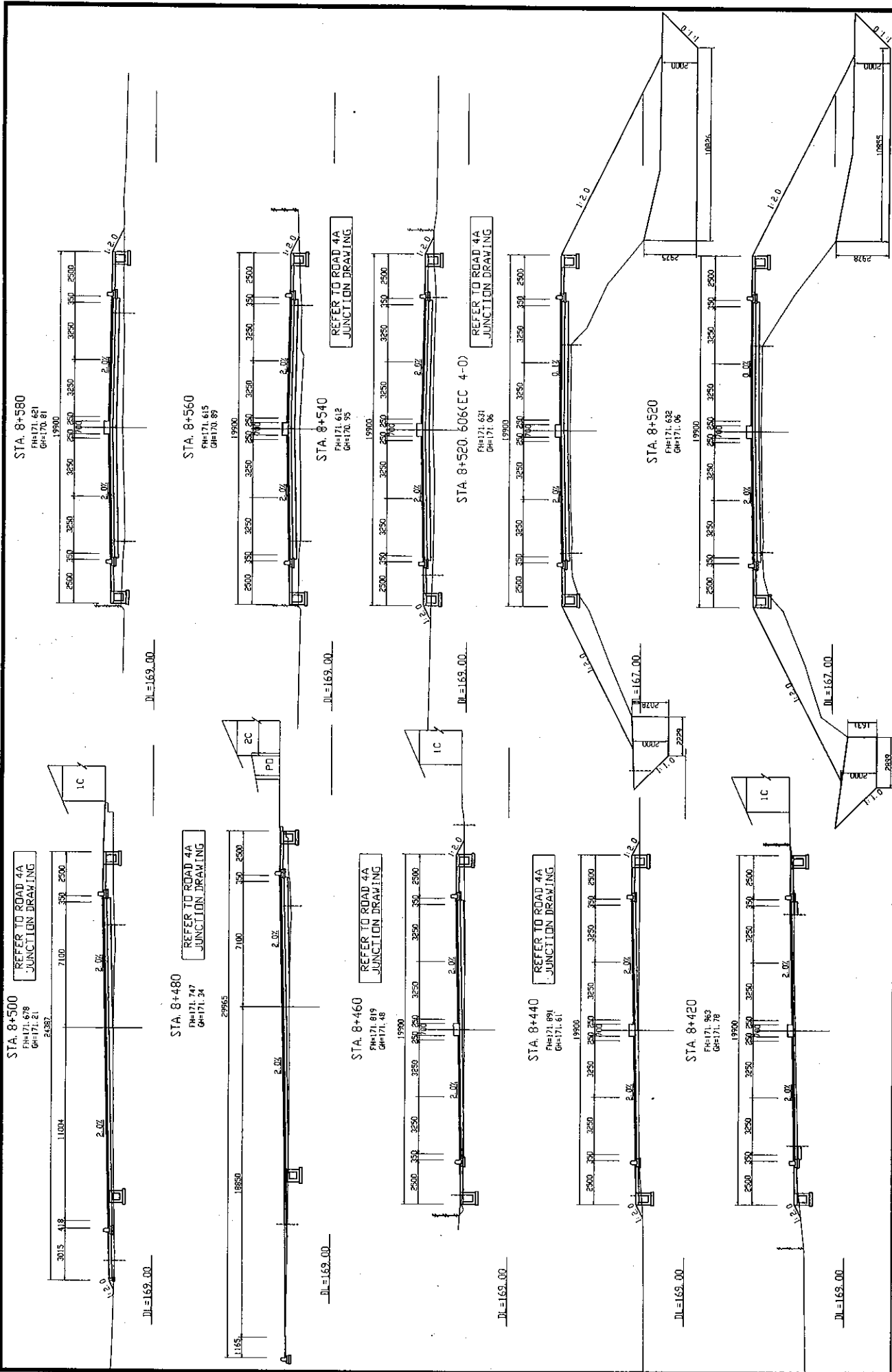
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NOTE: CL Represents The Survey Center (Center Of the Existing Road)

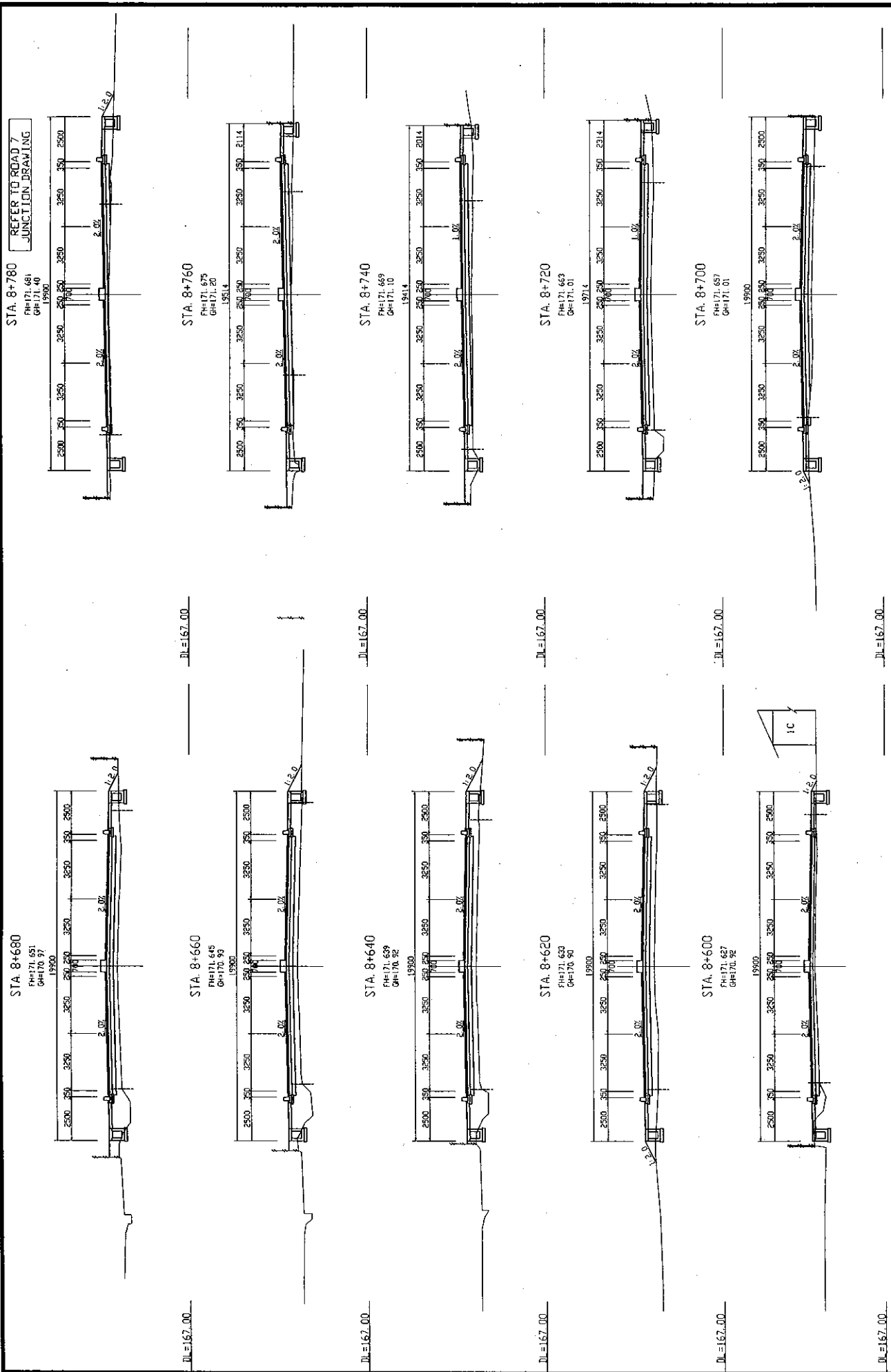
ROADS DEPARTMENT, MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION LAO PEOPLE'S DEMOCRATIC REPUBLIC	BASIC DESIGN STUDY ON THE PROJECT FOR THE IMPROVEMENT OF THE VIENTIANE NO.1 ROAD IN THE LAO PEOPLE'S DEMOCRATIC REPUBLIC	JAPAN INTERNATIONAL COOPERATION AGENCY KATAHIRA & ENGINEERS INTERNATIONAL CTI ENGINEERING INTERNATIONAL CO., LTD	TITLE: CRUISS SECTIONS OF ROAD (STA. 7+0-STA. 7+100)	SCALE: 1:100	DRAWING NO: CS-13	REV.
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ROADS DEPARTMENT, MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION LAO PEOPLE'S DEMOCRATIC REPUBLIC	BASIC DESIGN STUDY ON THE PROJECT FOR THE IMPROVEMENT OF THE VIENTIANE NO.1 ROAD IN THE LAO PEOPLE'S DEMOCRATIC REPUBLIC	JAPAN INTERNATIONAL COOPERATION AGENCY KATAHIRA & ENGINEERS INTERNATIONAL CTI ENGINEERING INTERNATIONAL CO. LTD	TITLE:	CROSS SECTIONS OF ROAD (STA. 7+280 - STA. 7+460)	SCALE:	1:100	DRAWING No:	CS-14
								RN

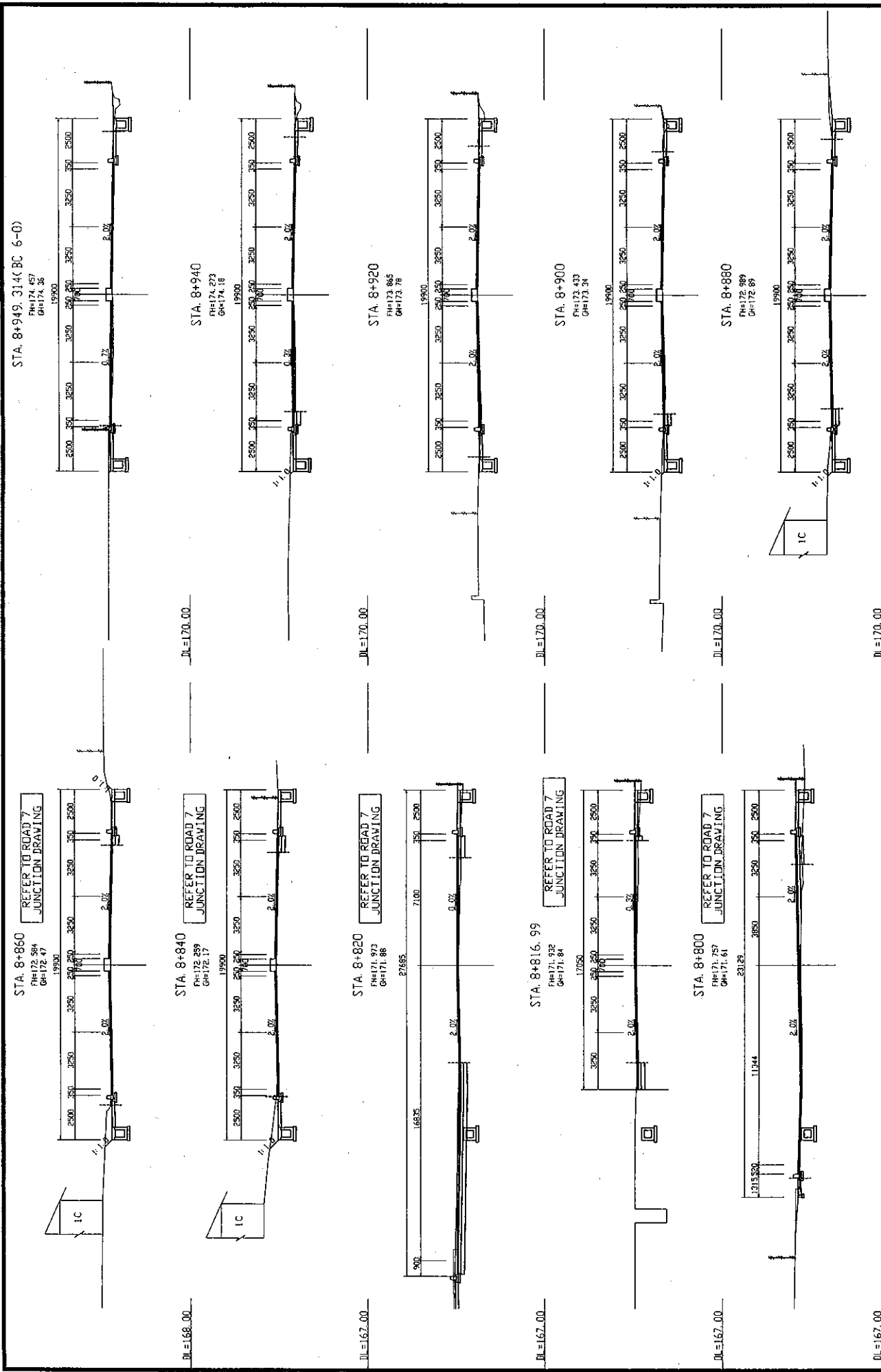


ROADS DEPARTMENT, MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION LAO PEOPLE'S DEMOCRATIC REPUBLIC	BASIC DESIGN STUDY ON THE PROJECT FOR THE IMPROVEMENT OF THE VIENTIANE NO.1 ROAD IN THE LAO PEOPLE'S DEMOCRATIC REPUBLIC	JAPAN INTERNATIONAL COOPERATION AGENCY KATAHIRA & ENGINEERS INTERNATIONAL CTI ENGINEERING INTERNATIONAL CO. LTD	TITLE:	CROSS SECTIONS OF ROAD (STA. 8+420 - STA. 8+580)	SCALE:	1:100	DRAWING No:	CS-15	REV

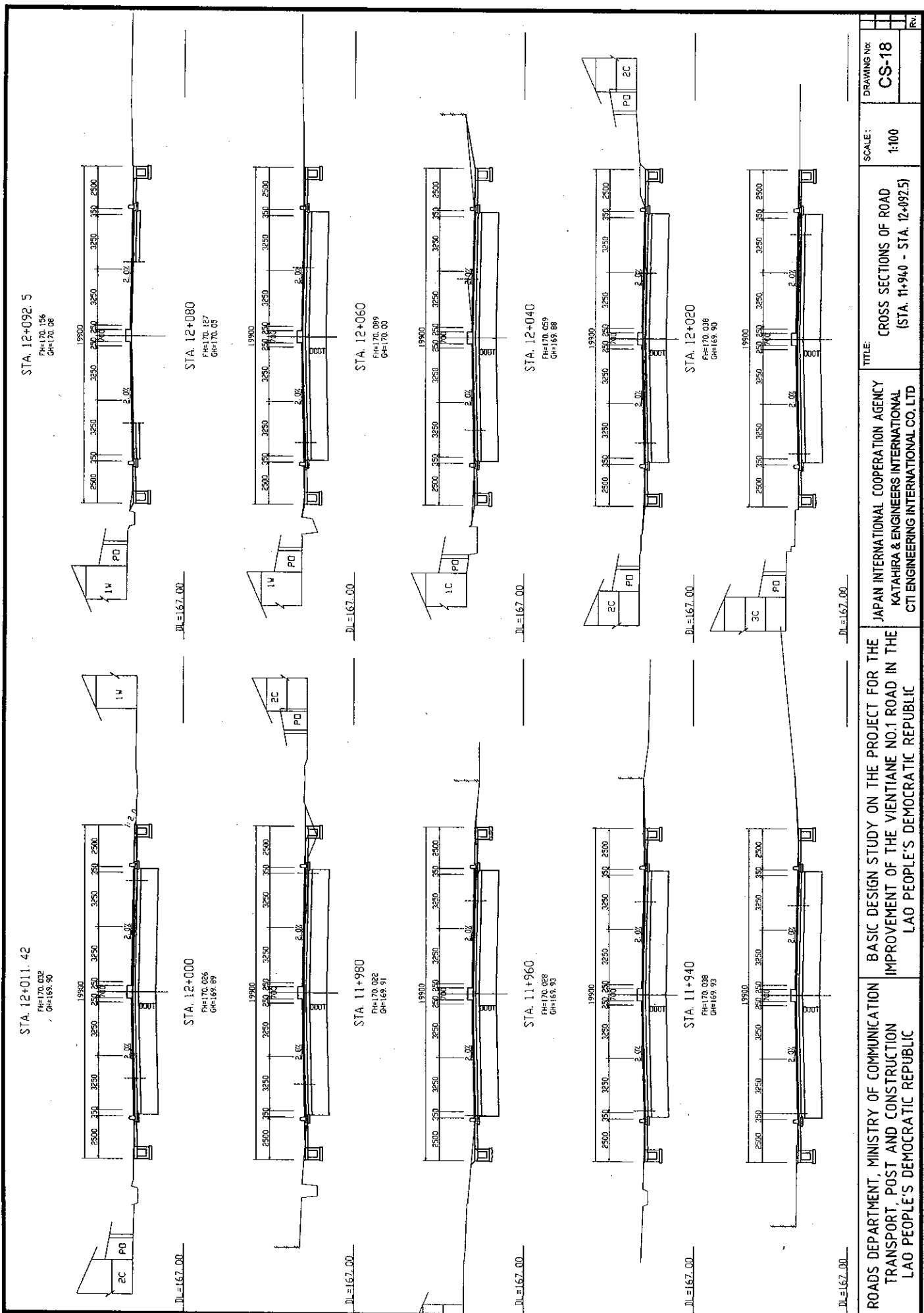


REFER TO ROAD 7
JUNCTION DRAWING

ROADS DEPARTMENT, MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION LAO PEOPLE'S DEMOCRATIC REPUBLIC	BASIC DESIGN STUDY ON THE PROJECT FOR THE IMPROVEMENT OF THE VIENTIANE NO.1 ROAD IN THE LAO PEOPLE'S DEMOCRATIC REPUBLIC	JAPAN INTERNATIONAL COOPERATION AGENCY KATAHIRA & ENGINEERS INTERNATIONAL CTI ENGINEERING INTERNATIONAL CO. LTD	TITLE:	CROSS SECTIONS OF ROAD (STA. 8+600 - STA. 8+780)	SCALE:	1:100	DRAWING NO:	CS-16	RV:



ROADS DEPARTMENT, MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION LAO PEOPLE'S DEMOCRATIC REPUBLIC	BASIC DESIGN STUDY ON THE PROJECT FOR THE IMPROVEMENT OF THE VIENTIANE NO.1 ROAD IN THE LAO PEOPLE'S DEMOCRATIC REPUBLIC	JAPAN INTERNATIONAL COOPERATION AGENCY KATAHIRA & ENGINEERS INTERNATIONAL CTI ENGINEERING INTERNATIONAL CO. LTD	TITLE:	CROSS SECTIONS OF ROAD (STA. 8+800 - STA. 8+949.314)	SCALE:	1:100	DRAWING NO:	CS-17	REV.



STA. 12+092.5
 FH=170.136
 GH=170.06

STA. 12+080
 FH=170.127
 GH=170.05

STA. 12+060
 FH=170.089
 GH=170.00

STA. 12+040
 FH=170.059
 GH=169.88

STA. 12+020
 FH=170.038
 GH=169.90

STA. 12+011.42
 FH=170.032
 GH=169.90

STA. 12+000
 FH=170.026
 GH=169.89

STA. 11+980
 FH=170.022
 GH=169.91

STA. 11+960
 FH=170.028
 GH=169.93

STA. 11+940
 FH=170.038
 GH=169.93

DRAWING NO:
CS-18

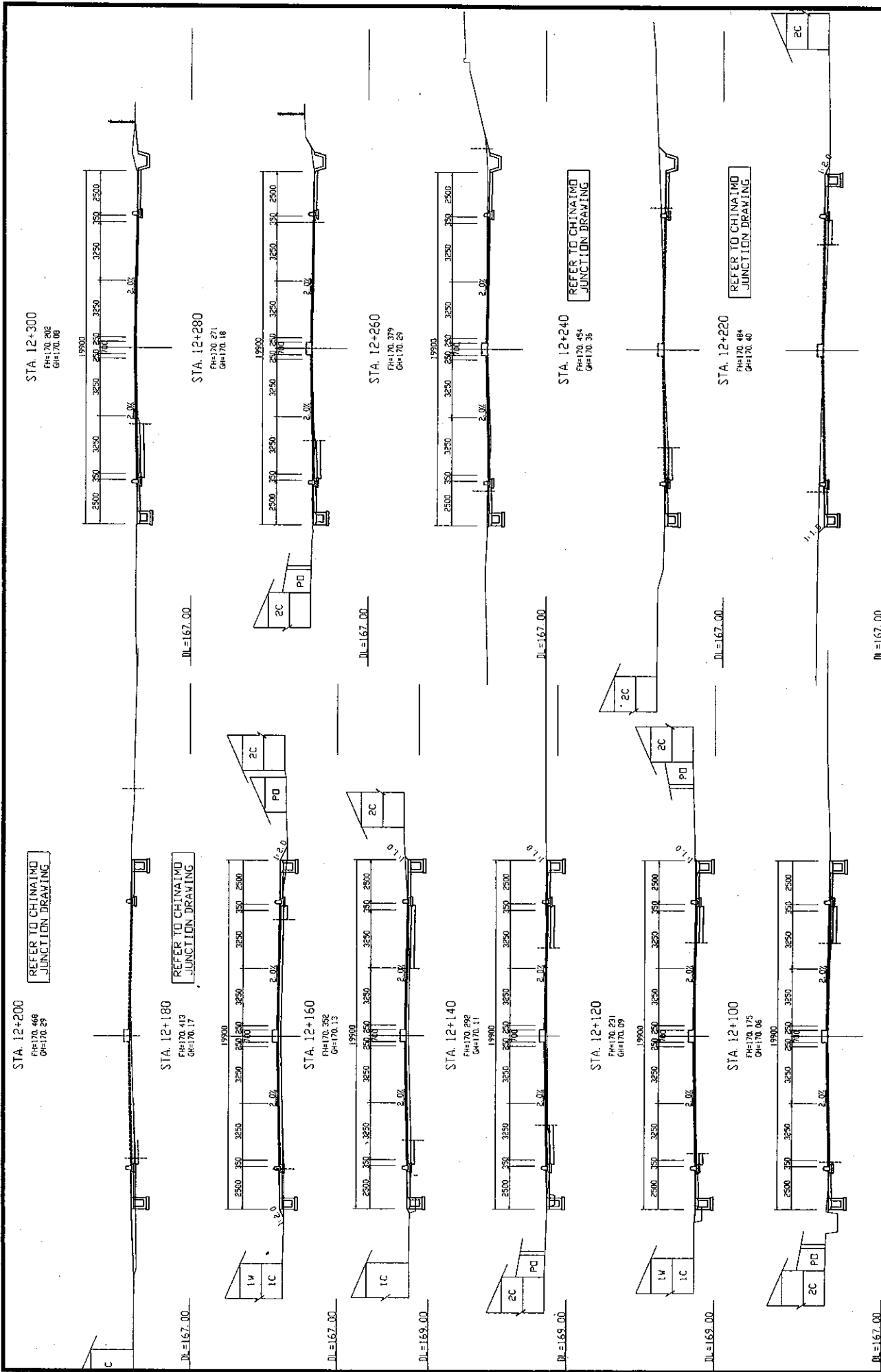
SCALE:
 1:100

TITLE:
 CROSS SECTIONS OF ROAD
 (STA. 11+940 - STA. 12+092.5)

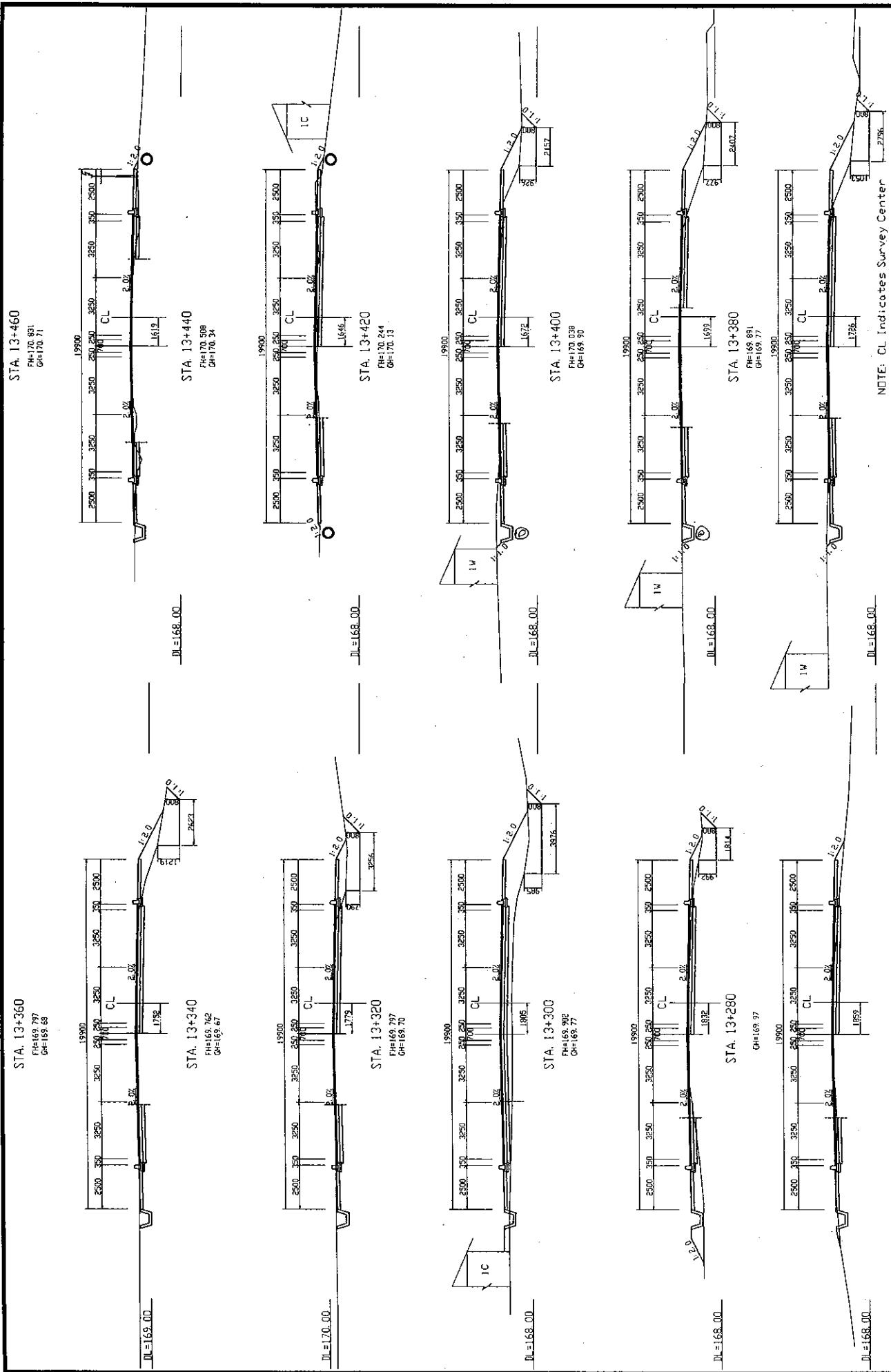
JAPAN INTERNATIONAL COOPERATION AGENCY
 KATAHIRA & ENGINEERS INTERNATIONAL
 CTI ENGINEERING INTERNATIONAL CO. LTD

BASIC DESIGN STUDY ON THE PROJECT FOR THE
 IMPROVEMENT OF THE VIENTIANE NO.1 ROAD IN THE
 LAO PEOPLE'S DEMOCRATIC REPUBLIC

ROADS DEPARTMENT, MINISTRY OF COMMUNICATION
 TRANSPORT, POST AND CONSTRUCTION
 LAO PEOPLE'S DEMOCRATIC REPUBLIC



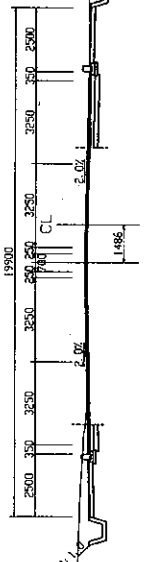
ROADS DEPARTMENT, MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION LAO PEOPLE'S DEMOCRATIC REPUBLIC	BASIC DESIGN STUDY ON THE PROJECT FOR THE IMPROVEMENT OF THE VIENTIANE NO.1 ROAD IN THE LAO PEOPLE'S DEMOCRATIC REPUBLIC	JAPAN INTERNATIONAL COOPERATION AGENCY KATAHIRA & ENGINEERS INTERNATIONAL CTI ENGINEERING INTERNATIONAL CO., LTD	TITLE:	CROSS SECTIONS OF ROAD (STA. 12+100 - STA. 12+300)	SCALE:	1:100	DRAWING No:	CS-19	REV:	



ROADS DEPARTMENT, MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION LAO PEOPLE'S DEMOCRATIC REPUBLIC	BASIC DESIGN STUDY ON THE PROJECT FOR THE IMPROVEMENT OF THE VIENTIANE NO.1 ROAD IN THE LAO PEOPLE'S DEMOCRATIC REPUBLIC	JAPAN INTERNATIONAL COOPERATION AGENCY KATAHIRA & ENGINEERS INTERNATIONAL CTI ENGINEERING INTERNATIONAL CO. LTD	TITLE:	CROSS SECTIONS OF ROAD (STA. 13+280 - STA. 13+460)	DRAWING No:	CS-20
			SCALE:	1:100	REV:	

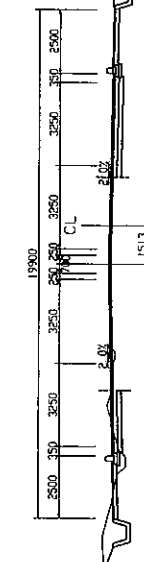
NOTE: CL Indicates Survey Center

STA. 13+560
FH=172.305
GH=172.21



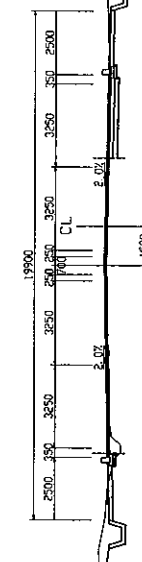
DL=169.00

STA. 13+540
FH=172.007
GH=171.89



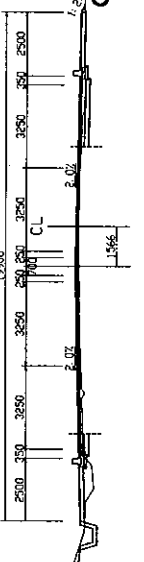
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STA. 13+520
FH=171.727
GH=171.65



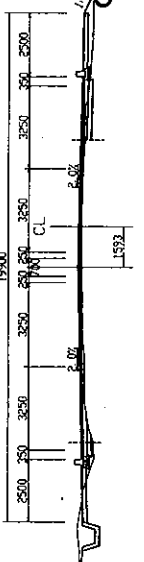
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STA. 13+500
FH=171.455
GH=171.32



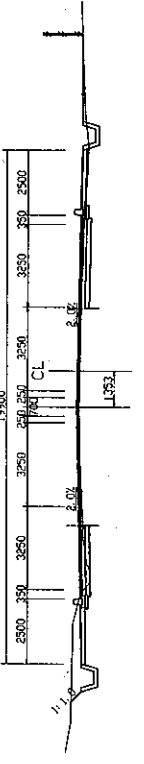
DL=169.00

STA. 13+480
FH=171.163
GH=171.01



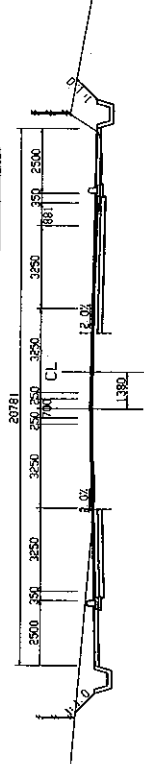
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STA. 13+660
FH=173.797
GH=173.69



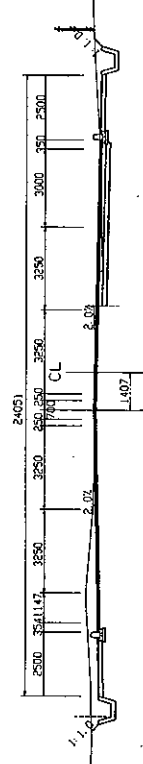
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STA. 13+640
FH=173.494
GH=173.41



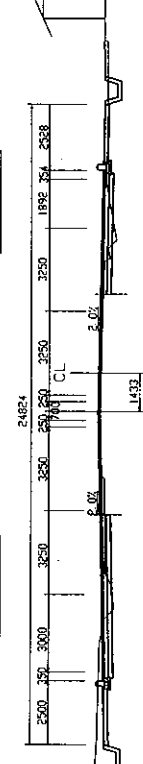
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STA. 13+620
FH=173.214
GH=173.16



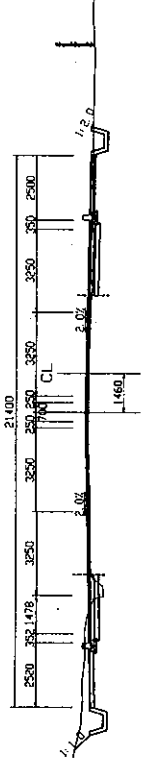
DL=170.00

STA. 13+600
FH=172.917
GH=172.83



DL=170.00

STA. 13+580
FH=172.611
GH=172.50



DL=170.00

NOTE: CL Indicates Survey Center

ROADS DEPARTMENT, MINISTRY OF COMMUNICATION
TRANSPORT, POST AND CONSTRUCTION
LAO PEOPLE'S DEMOCRATIC REPUBLIC

JAPAN INTERNATIONAL COOPERATION AGENCY
KATAHIRA & ENGINEERS INTERNATIONAL
CTI ENGINEERING INTERNATIONAL CO. LTD

TITLE:
CROSS SECTIONS OF ROAD
(STA. 13+480 - STA. 13+660)

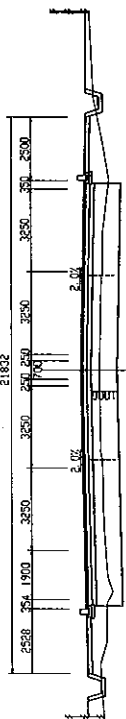
SCALE:
1:100

DRAWING No:
CS-21

R/S

STA. 15+120
FH=170.586
GH=169.87

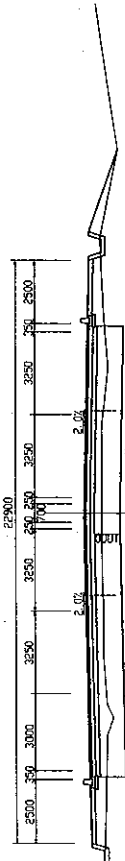
BUS STOP



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STA. 15+100
FH=170.574
GH=169.69

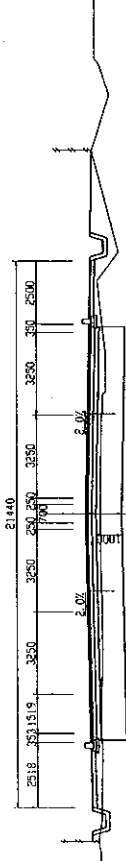
BUS STOP



DL=168.00

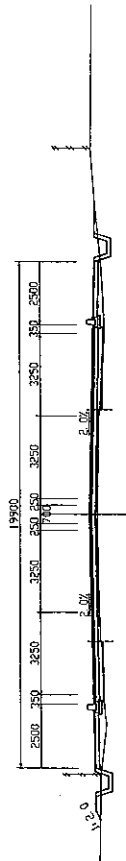
STA. 15+080
FH=170.582
GH=170.88

BUS STOP



DL=168.00

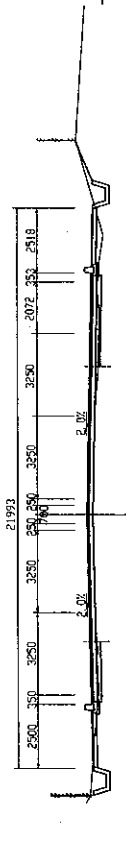
STA. 15+060
FH=170.580
GH=170.28



DL=168.00

STA. 15+040
FH=170.703
GH=170.46

BUS STOP



DL=168.00

STA. 15+200
FH=170.64
GH=170.64

REFER TO NONGHAI
JUNCTION DRAWING

Existing Pavement to be Used



DL=168.00

STA. 15+191.875
FH=170.63
GH=170.63

REFER TO NONGHAI
JUNCTION DRAWING

Existing Pavement to be Used

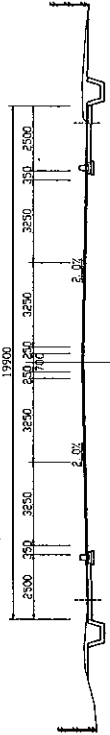


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STA. 15+180
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GH=170.61

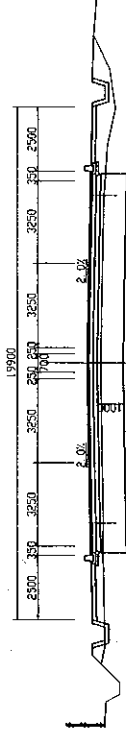
REFER TO NONGHAI
JUNCTION DRAWING

Existing Pavement to be Used



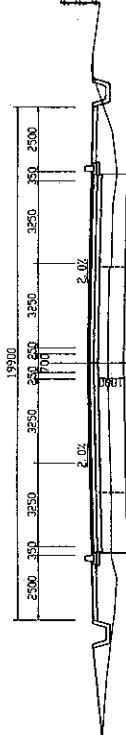
DL=168.00

STA. 15+160
FH=170.610
GH=170.07



DL=168.00

STA. 15+140
FH=170.589
GH=169.32



DL=168.00

ROADS DEPARTMENT, MINISTRY OF COMMUNICATION
TRANSPORT, POST AND CONSTRUCTION
LAO PEOPLE'S DEMOCRATIC REPUBLIC

BASIC DESIGN STUDY ON THE PROJECT FOR THE
IMPROVEMENT OF THE VIENTIANE NO.1 ROAD IN THE
LAO PEOPLE'S DEMOCRATIC REPUBLIC

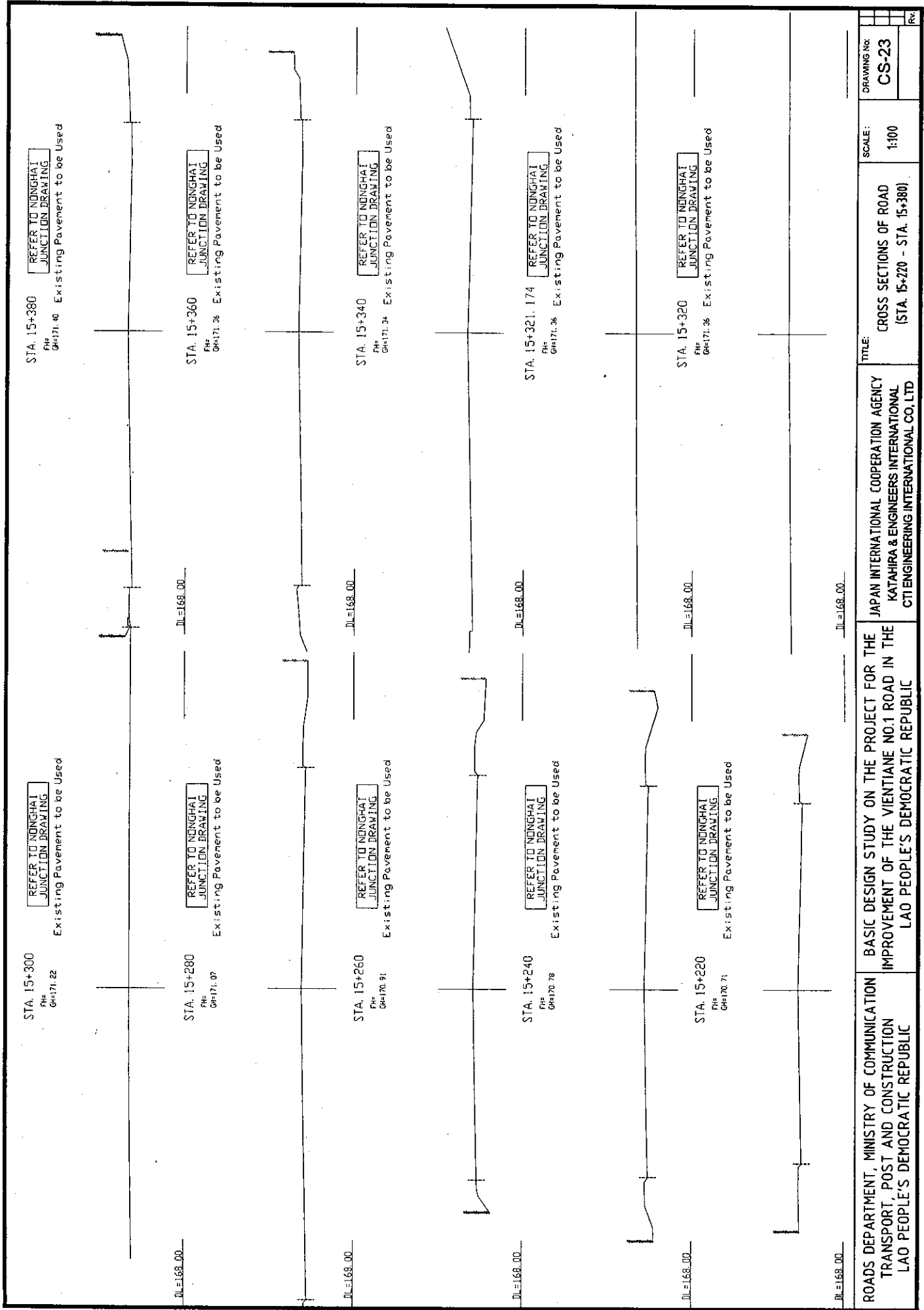
JAPAN INTERNATIONAL COOPERATION AGENCY
KATAHIRA & ENGINEERS INTERNATIONAL
CTI ENGINEERING INTERNATIONAL CO. LTD

TITLE: CROSS SECTIONS OF ROAD
(STA. 15+040 - STA. 15+200)

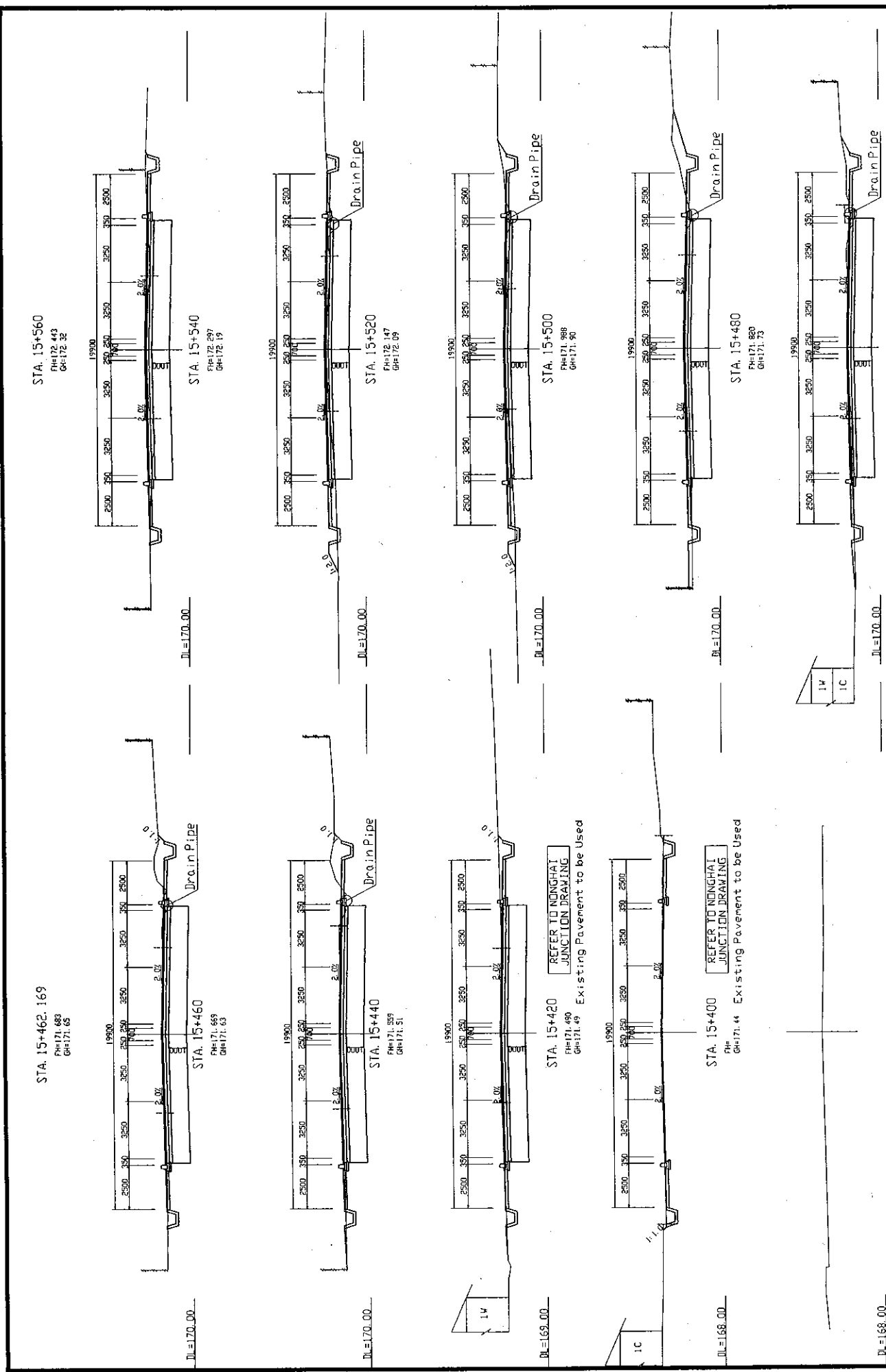
SCALE: 1:100

DRAWING No.
CS-22

Rv.

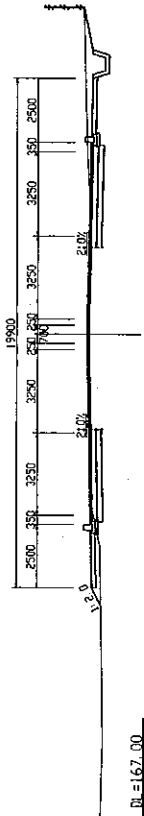


ROADS DEPARTMENT, MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION LAO PEOPLE'S DEMOCRATIC REPUBLIC	BASIC DESIGN STUDY ON THE PROJECT FOR THE IMPROVEMENT OF THE VIENTIANE NO.1 ROAD IN THE LAO PEOPLE'S DEMOCRATIC REPUBLIC	JAPAN INTERNATIONAL COOPERATION AGENCY KATAHIRA & ENGINEERS INTERNATIONAL CTI ENGINEERING INTERNATIONAL CO., LTD	TITLE:	CROSS SECTIONS OF ROAD (STA. 15+220 - STA. 15+380)	SCALE:	1:100	DRAWING No:	CS-23	Rev:
			DL=168.00	DL=168.00	DL=168.00	DL=168.00	DL=168.00	DL=168.00	

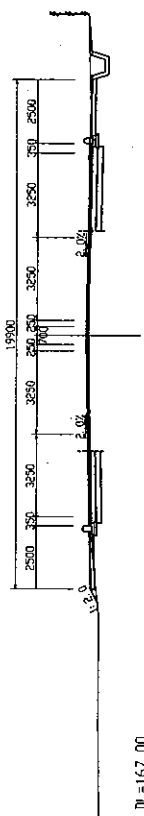


ROADS DEPARTMENT, MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION LAO PEOPLE'S DEMOCRATIC REPUBLIC	BASIC DESIGN STUDY ON THE PROJECT FOR THE IMPROVEMENT OF THE VIENTIANE NO.1 ROAD IN THE LAO PEOPLE'S DEMOCRATIC REPUBLIC	JAPAN INTERNATIONAL COOPERATION AGENCY KATAHIRA & ENGINEERS INTERNATIONAL CTI ENGINEERING INTERNATIONAL CO. LTD	TITLE:	CROSS SECTIONS OF ROAD (STA. 15+400 - STA. 15+560)	SCALE:	1:100	DRAWING No:	CS-24	Rev.

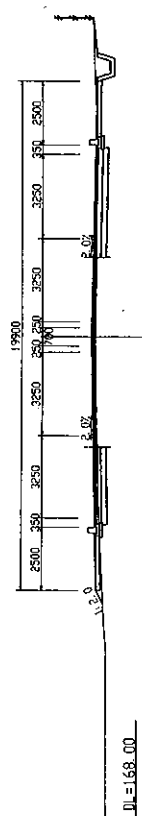
STA. 16+220
 FH=169.211
 GH=168.13



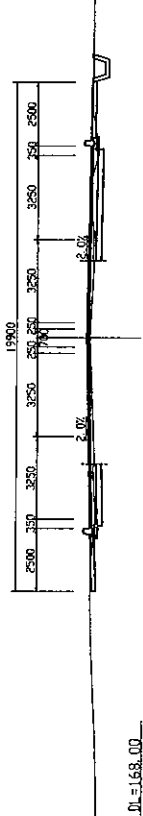
STA. 16+200
 FH=169.447
 GH=169.35



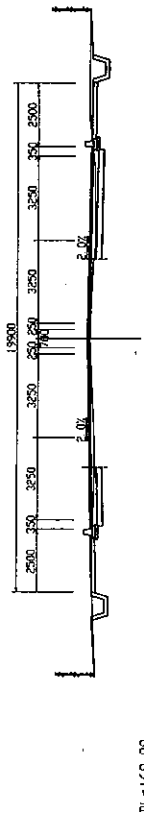
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 GH=169.64



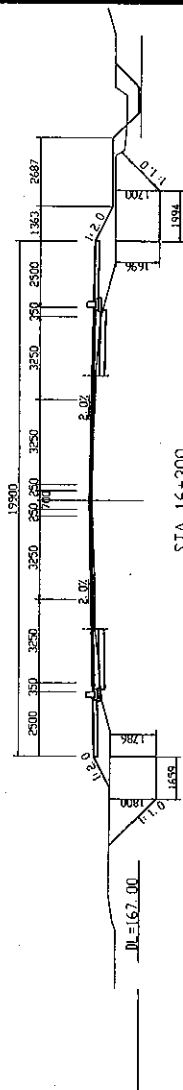
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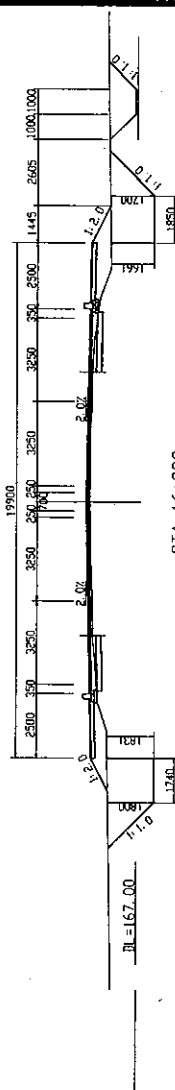
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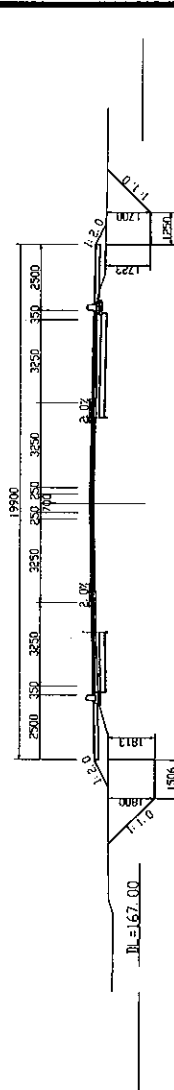
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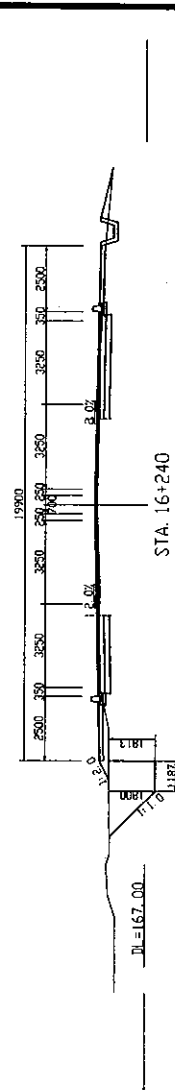
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 GH=168.82



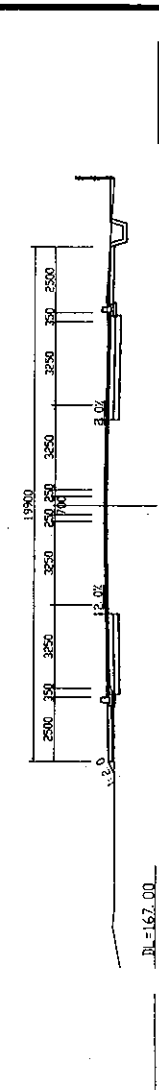
STA. 16+280
 FH=168.976
 GH=168.83



STA. 16+260
 FH=168.987
 GH=168.89



STA. 16+240
 FH=169.057
 GH=168.93



ROADS DEPARTMENT, MINISTRY OF COMMUNICATION
 TRANSPORT, POST AND CONSTRUCTION
 LAO PEOPLE'S DEMOCRATIC REPUBLIC

BASIC DESIGN STUDY ON THE PROJECT FOR THE
 IMPROVEMENT OF THE VIENTIANE NO.1 ROAD IN THE
 LAO PEOPLE'S DEMOCRATIC REPUBLIC

JAPAN INTERNATIONAL COOPERATION AGENCY
 KATAHIRA & ENGINEERS INTERNATIONAL
 CTI ENGINEERING INTERNATIONAL CO. LTD

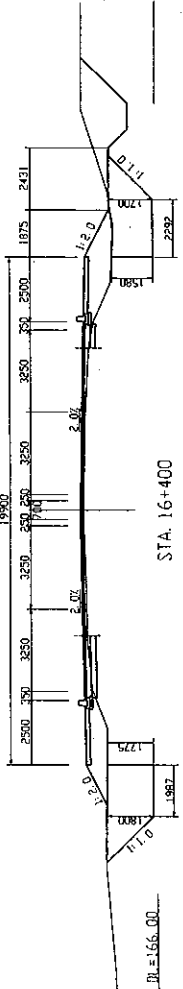
TITLE: CROSS SECTIONS OF ROAD
 (STA. 16+140 - STA. 16+320)

SCALE: 1:100

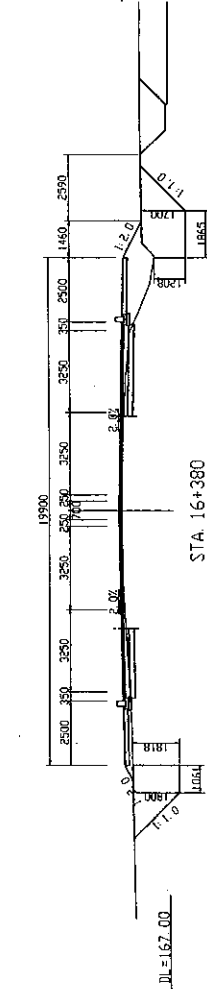
DRAWING No. CS-25

Rv.

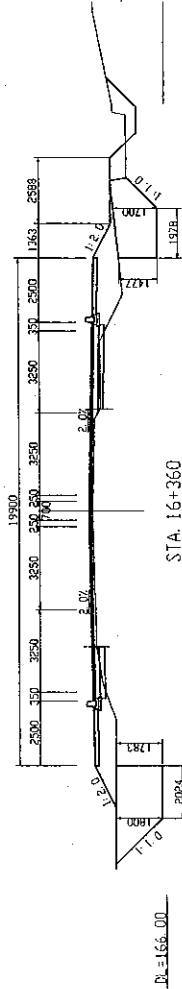
STA. 16+420
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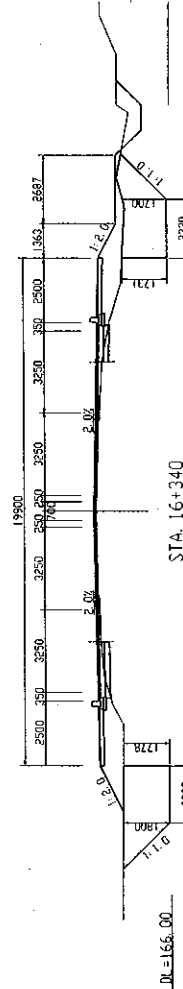
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GH=168.81



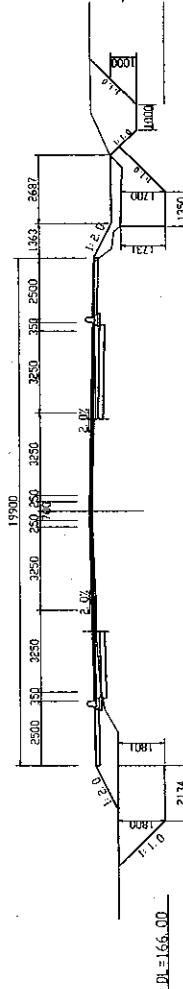
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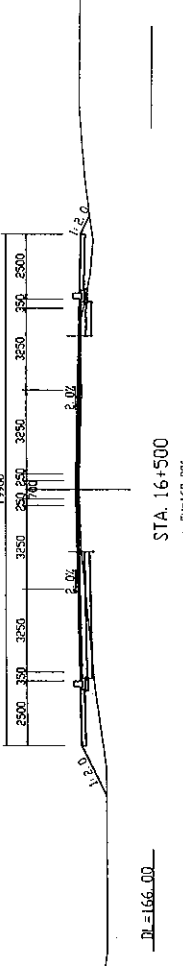
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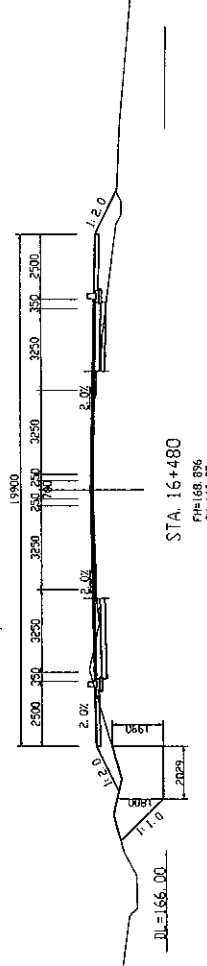
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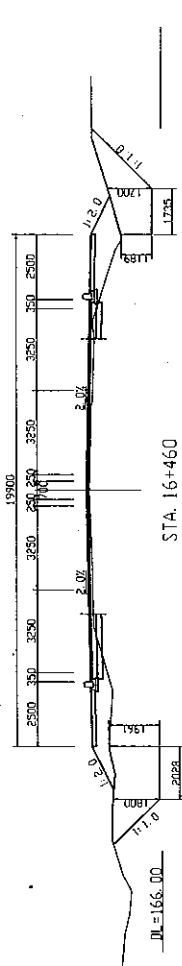
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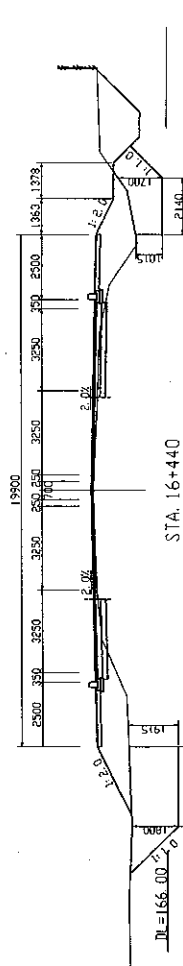
STA. 16+500
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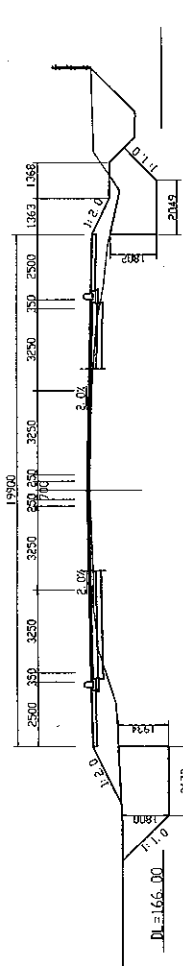
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STA. 16+460
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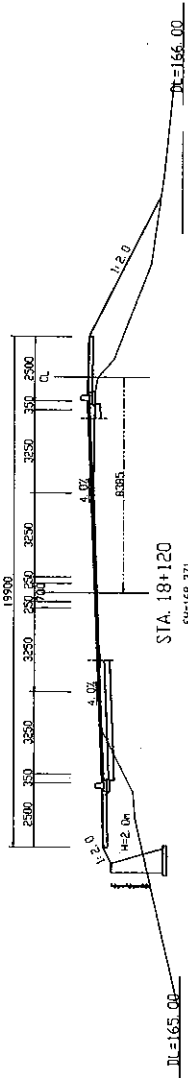


STA. 16+440
FH=168.912
GH=168.80



ROADS DEPARTMENT, MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION LAO PEOPLE'S DEMOCRATIC REPUBLIC	BASIC DESIGN STUDY ON THE PROJECT FOR THE IMPROVEMENT OF THE VIENTIANE NO.1 ROAD IN THE LAO PEOPLE'S DEMOCRATIC REPUBLIC	JAPAN INTERNATIONAL COOPERATION AGENCY KATAHIRA & ENGINEERS INTERNATIONAL CTI ENGINEERING INTERNATIONAL CO. LTD	TITLE:	CROSS SECTIONS OF ROAD (STA. 16+340 - STA. 16+520)	SCALE:	1:100	DRAWING No:	CS-26	Rev	

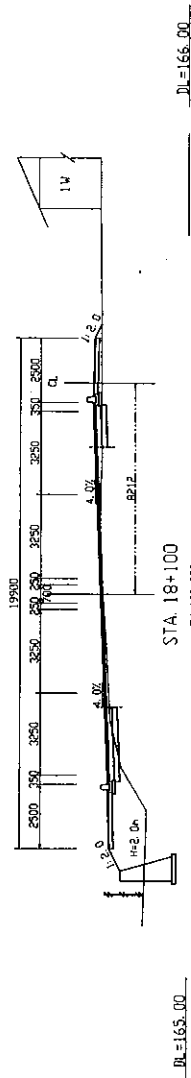
STA. 18+140
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 GH=168.24



DL=165.00

DL=166.00

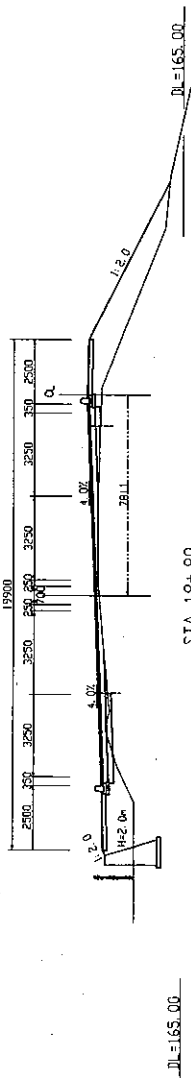
STA. 18+120
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 GH=168.28



DL=165.00

DL=166.00

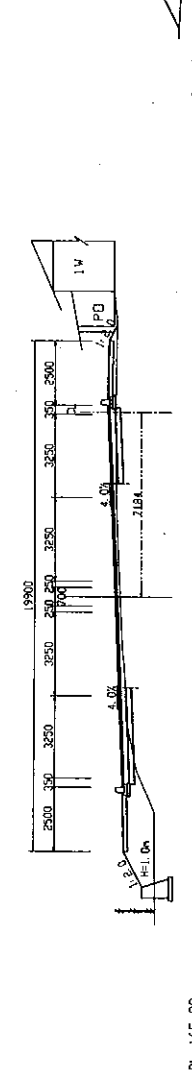
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 GH=168.28



DL=165.00

DL=165.00

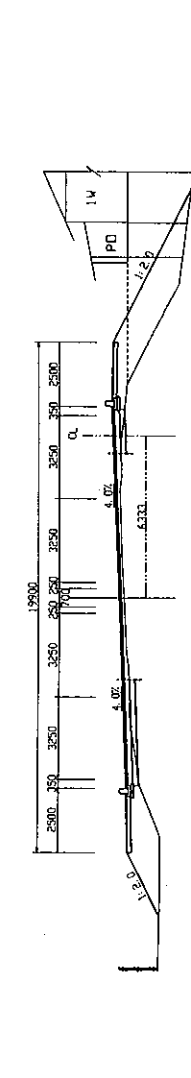
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DL=165.00

DL=164.00

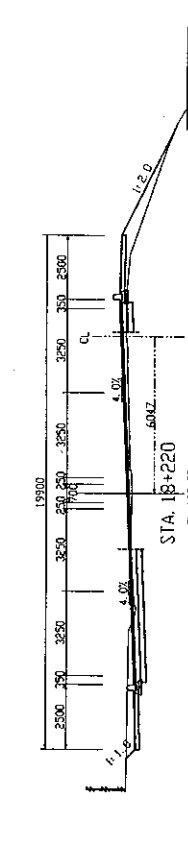
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 GH=168.23



DL=165.00

DL=164.00

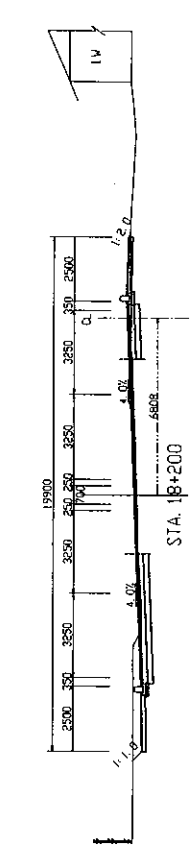
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DL=165.00

DL=166.00

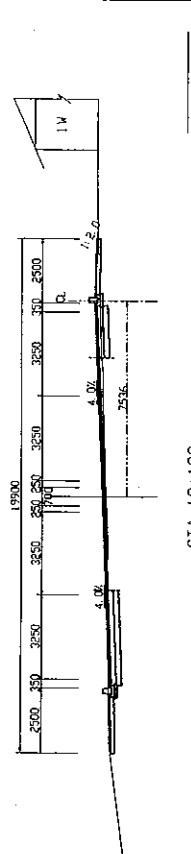
STA. 18+220
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 GH=168.12



DL=165.00

DL=166.00

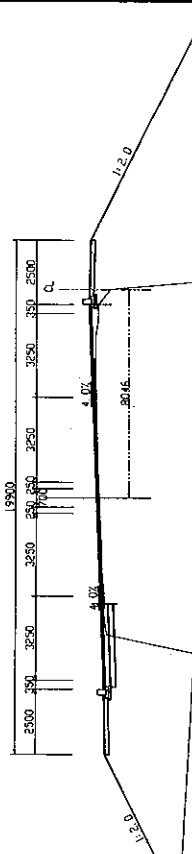
STA. 18+200
 FH=168.243
 GH=168.10



DL=165.00

DL=166.00

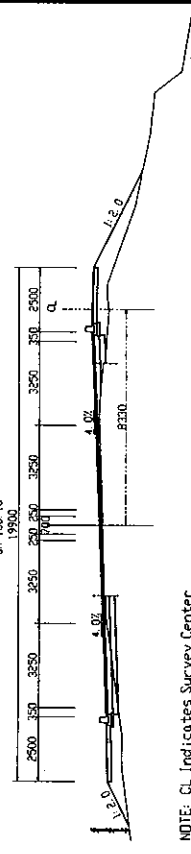
STA. 18+180
 FH=168.271
 GH=168.17



DL=165.00

DL=166.00

STA. 18+160
 FH=168.309
 GH=168.18

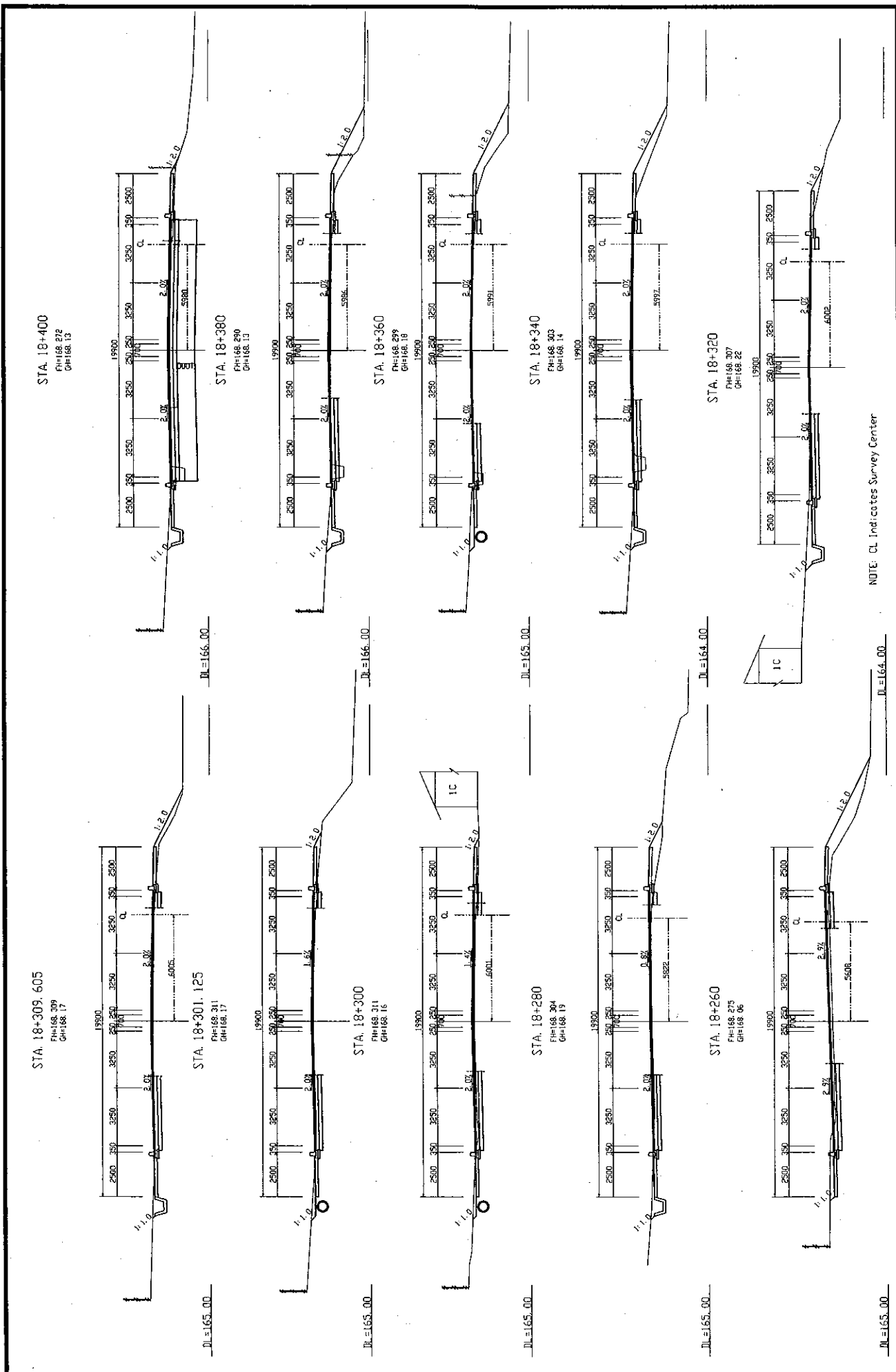


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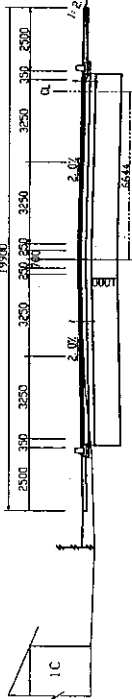
NOTE: CL Indicates Survey Center

ROADS DEPARTMENT, MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION LAO PEOPLE'S DEMOCRATIC REPUBLIC		BASIC DESIGN STUDY ON THE PROJECT FOR THE IMPROVEMENT OF THE VIENTIANE NO.1 ROAD IN THE LAO PEOPLE'S DEMOCRATIC REPUBLIC		JAPAN INTERNATIONAL COOPERATION AGENCY KATAHIRA & ENGINEERS INTERNATIONAL CTENGINEERING INTERNATIONAL CO., LTD		TITLE:		CROSS SECTIONS OF ROAD (STA. 18+060 - STA. 18+240)		SCALE:		1:100		DRAWING No:		CS-27		Rv	
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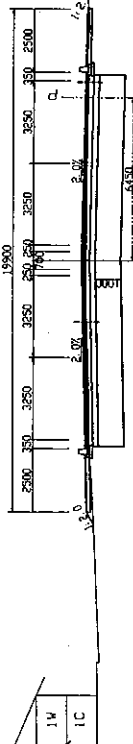
ROADS DEPARTMENT, MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION LAO PEOPLE'S DEMOCRATIC REPUBLIC	BASIC DESIGN STUDY ON THE PROJECT FOR THE IMPROVEMENT OF THE VIENTIANE NO.1 ROAD IN THE LAO PEOPLE'S DEMOCRATIC REPUBLIC	JAPAN INTERNATIONAL COOPERATION AGENCY KATAHIRA & ENGINEERS INTERNATIONAL CTI ENGINEERING INTERNATIONAL CO. LTD	TITLE:	CROSS SECTIONS OF ROAD (STA. 18+260 - STA. 18+400)	SCALE:	1:100	DRAWING No.	CS-28	REV.

STA. 18+500
FH=168.135
GH=168.00



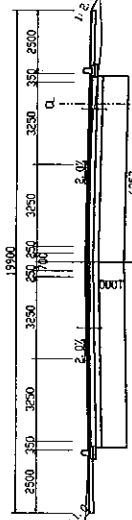
DL=165.00

STA. 18+480
FH=168.147
GH=167.97



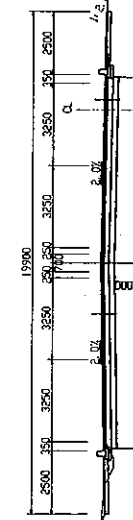
DL=165.00

STA. 18+460
FH=168.171
GH=167.99



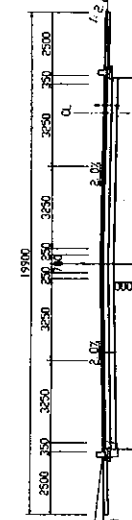
DL=165.00

STA. 18+440
FH=168.207
GH=168.08



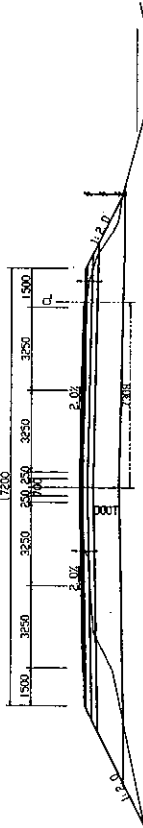
DL=165.00

STA. 18+420
FH=168.244
GH=168.10

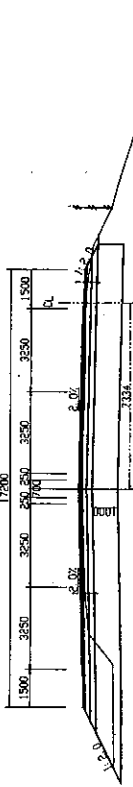


DL=165.00

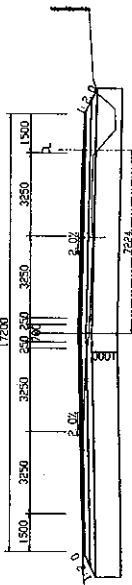
STA. 18+600
FH=168.159
GH=168.03



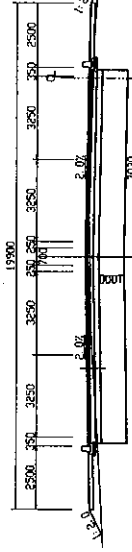
STA. 18+580
FH=168.183
GH=167.99



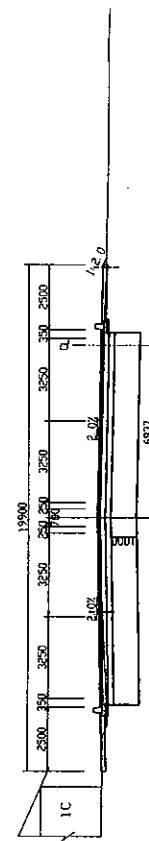
STA. 18+560
FH=168.147
GH=167.72



STA. 18+540
FH=168.141
GH=167.94



STA. 18+520
FH=168.135
GH=168.03



NOTE: CL Indicates Survey Center

ROADS DEPARTMENT, MINISTRY OF COMMUNICATION
TRANSPORT, POST AND CONSTRUCTION
LAO PEOPLE'S DEMOCRATIC REPUBLIC

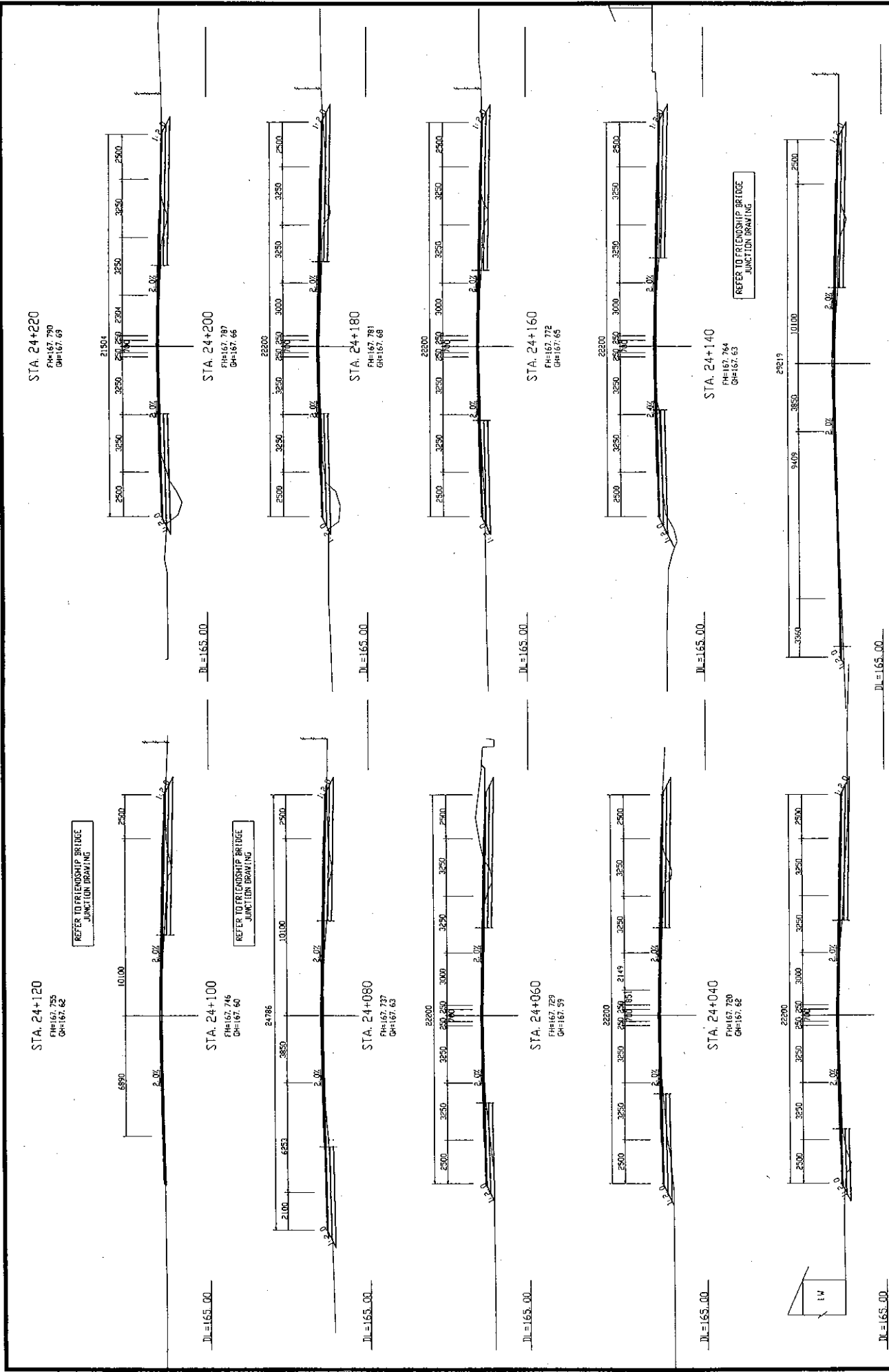
JAPAN INTERNATIONAL COOPERATION AGENCY
KATAHIRA & ENGINEERS INTERNATIONAL
CTI ENGINEERING INTERNATIONAL CO. LTD

TITLE:
CROSS SECTIONS OF ROAD
(STA. 18+420 - STA. 18+600)

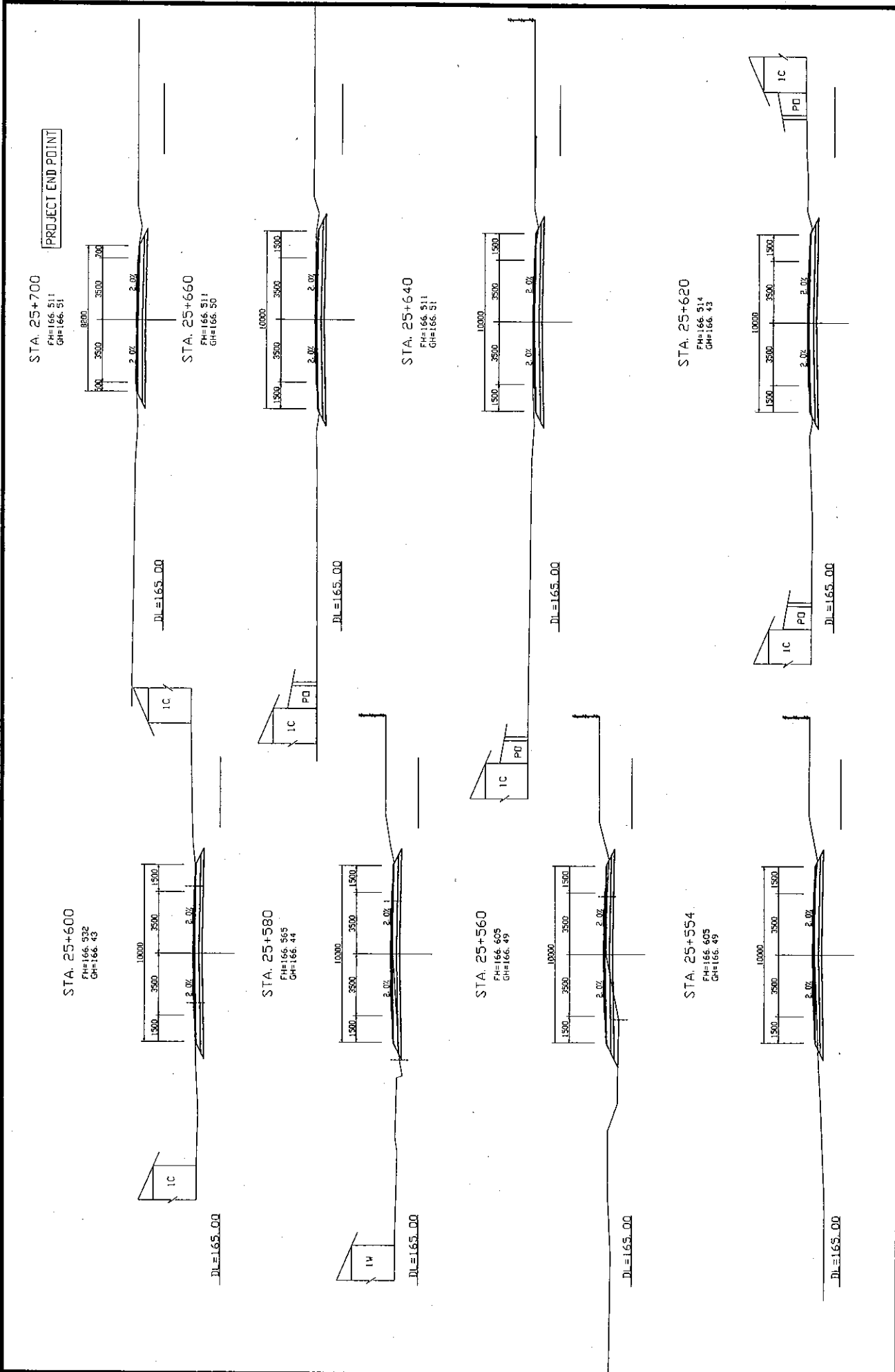
SCALE:
1:100

DRAWING No:
CS-29

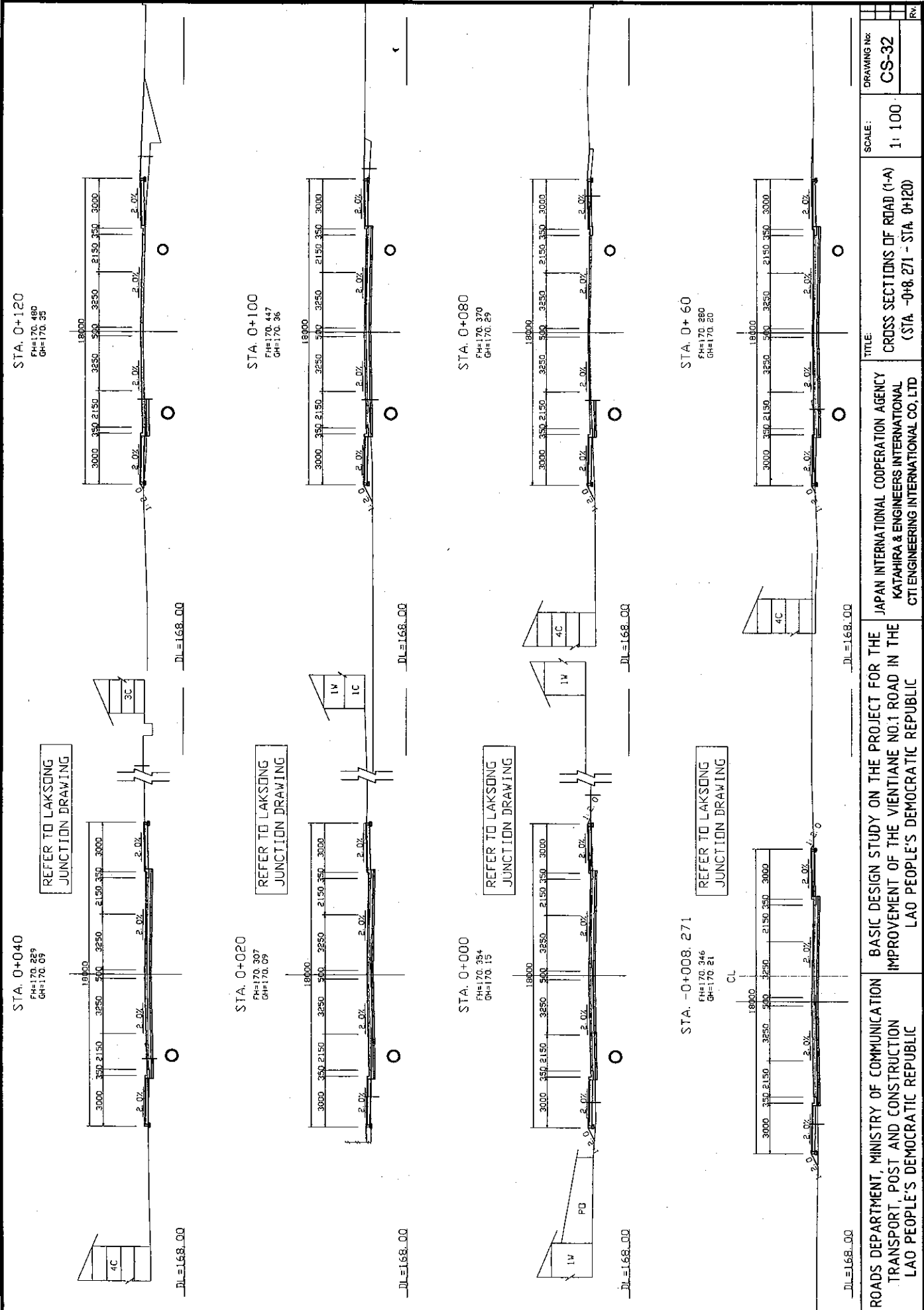
Rv



ROADS DEPARTMENT, MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION LAO PEOPLE'S DEMOCRATIC REPUBLIC	BASIC DESIGN STUDY ON THE PROJECT FOR THE IMPROVEMENT OF THE VIENTIANE NO.1 ROAD IN THE LAO PEOPLE'S DEMOCRATIC REPUBLIC	JAPAN INTERNATIONAL COOPERATION AGENCY KATAHIRA & ENGINEERS INTERNATIONAL CTI ENGINEERING INTERNATIONAL CO. LTD	TITLE	CROSS SECTIONS OF ROAD (STA. 24+040 - STA. 24+220)	SCALE:	1:100	DRAWING NO.	CS-30	REV.



ROADS DEPARTMENT, MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION LAO PEOPLE'S DEMOCRATIC REPUBLIC	BASIC DESIGN STUDY ON THE PROJECT FOR THE IMPROVEMENT OF THE VIENTIANE NO.1 ROAD IN THE LAO PEOPLE'S DEMOCRATIC REPUBLIC	JAPAN INTERNATIONAL COOPERATION AGENCY KATAHIRA & ENGINEERS INTERNATIONAL CTI ENGINEERING INTERNATIONAL CO, LTD	TITLE:	CROSS SECTIONS OF ROAD (STA. 24+440 - STA. 24+500)	SCALE:	1:100	DRAWING NO:	CS-31	Rv



STA. 0+120
FH=170.480
GH=170.35

STA. 0+100
FH=170.447
GH=170.36

STA. 0+080
FH=170.370
GH=170.29

STA. 0+60
FH=170.380
GH=170.20

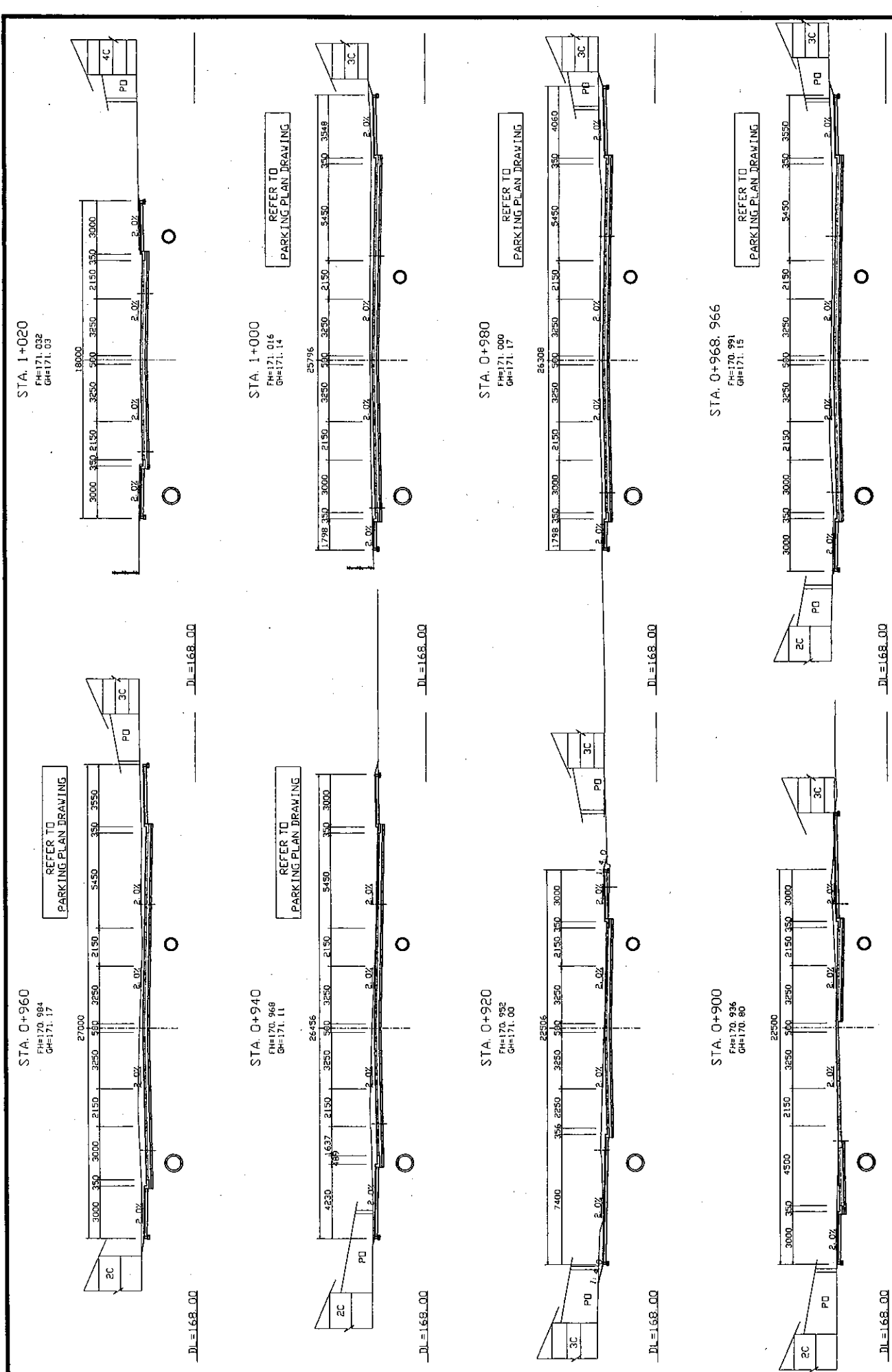
STA. 0+040
FH=170.229
GH=170.09

STA. 0+020
FH=170.307
GH=170.09

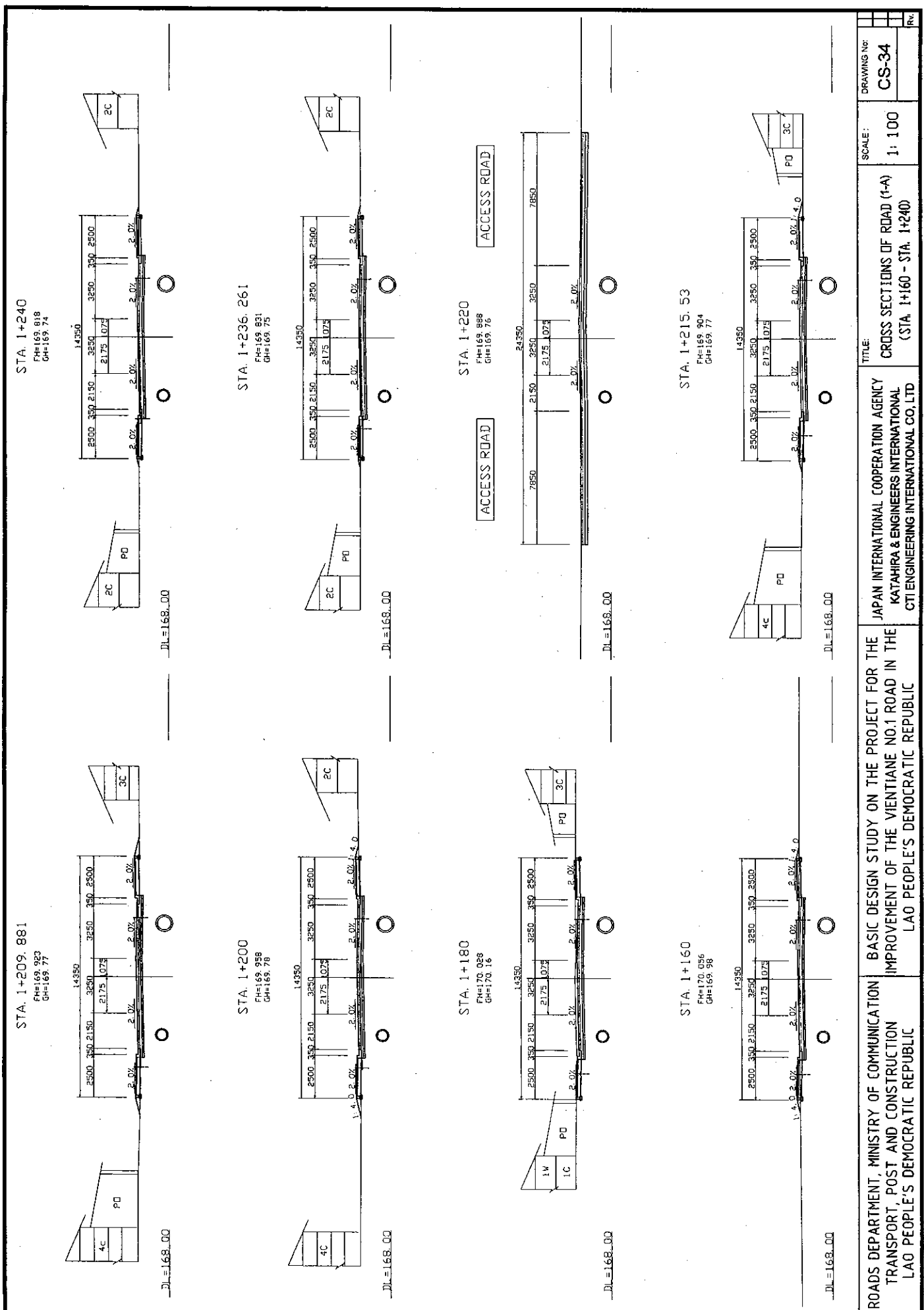
STA. 0+000
FH=170.254
GH=170.15

STA. -0+008.271
FH=170.346
GH=170.21

ROADS DEPARTMENT, MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION LAO PEOPLE'S DEMOCRATIC REPUBLIC	BASIC DESIGN STUDY ON THE PROJECT FOR THE IMPROVEMENT OF THE VIENTIANE NO.1 ROAD IN THE LAO PEOPLE'S DEMOCRATIC REPUBLIC	JAPAN INTERNATIONAL COOPERATION AGENCY KATAHIRA & ENGINEERS INTERNATIONAL CTI ENGINEERING INTERNATIONAL CO. LTD	TITLE:	CROSS SECTIONS OF ROAD (1-A) (STA. -0+8.271 - STA. 0+120)
			SCALE:	1:100
			DRAWING No:	CS-32
			DATE:	
			REV:	



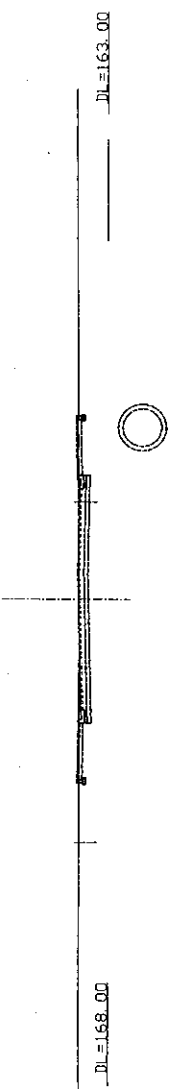
ROADS DEPARTMENT, MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION LAO PEOPLE'S DEMOCRATIC REPUBLIC	BASIC DESIGN STUDY ON THE PROJECT FOR THE IMPROVEMENT OF THE VIENTIANE NO.1 ROAD IN THE LAO PEOPLE'S DEMOCRATIC REPUBLIC	JAPAN INTERNATIONAL COOPERATION AGENCY KATAHIRA & ENGINEERS INTERNATIONAL CTI ENGINEERING INTERNATIONAL CO., LTD	TITLE: CROSS SECTIONS OF ROAD (1-A) (STA. 0+900 - STA. 1+020)	SCALE: 1: 100	DRAWING No: CS-33	Rv.
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ROADS DEPARTMENT, MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION LAO PEOPLE'S DEMOCRATIC REPUBLIC	BASIC DESIGN STUDY ON THE PROJECT FOR THE IMPROVEMENT OF THE VIENTIANE NO.1 ROAD IN THE LAO PEOPLE'S DEMOCRATIC REPUBLIC	JAPAN INTERNATIONAL COOPERATION AGENCY KATAHIRA & ENGINEERS INTERNATIONAL CTI ENGINEERING INTERNATIONAL CO., LTD	TITLE:	CROSS SECTIONS OF ROAD (1-A) (STA. 1+160 - STA. 1+240)	SCALE:	1: 100	DRAWING NO:	CS-34	REV

STA. 2+100
 FH=169.145
 GH=169.11

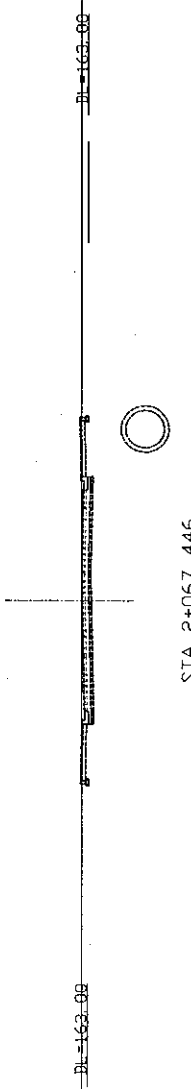
ROUTE 2 JUNCTION
 RENOVATION COMPLETED



DL=168.00

STA. 2+080
 FH=169.297
 GH=169.24

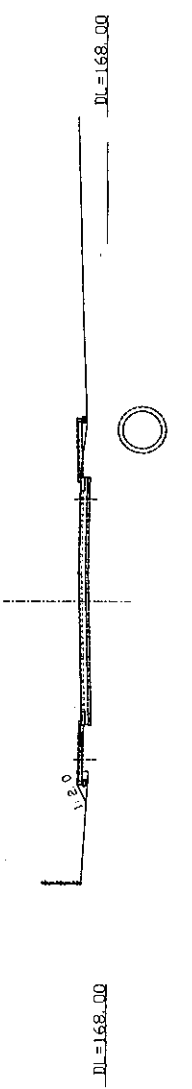
ROUTE 2 JUNCTION
 RENOVATION COMPLETED



DL=163.00

STA. 2+067.446
 FH=169.081
 GH=169.06

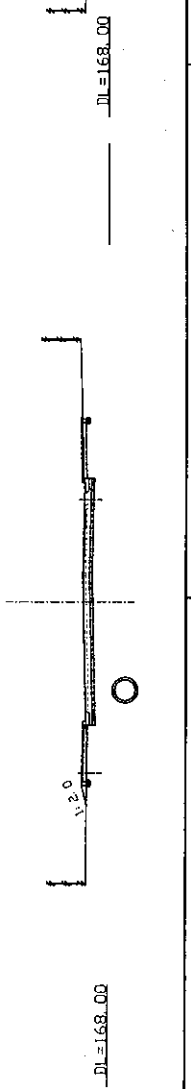
ROUTE 2 JUNCTION
 RENOVATION COMPLETED



DL=168.00

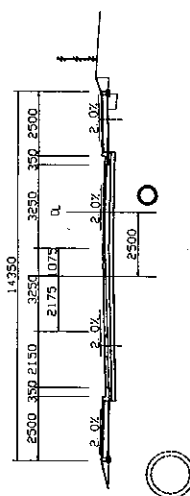
STA. 2+060
 FH=168.989
 GH=168.99

ROUTE 2 JUNCTION
 RENOVATION COMPLETED

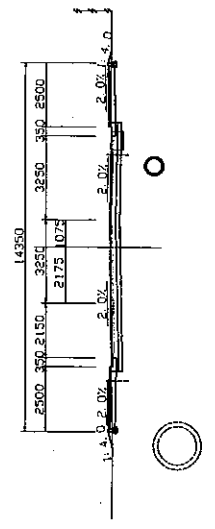


DL=168.00

STA. 2+160
 FH=169.283
 GH=169.21



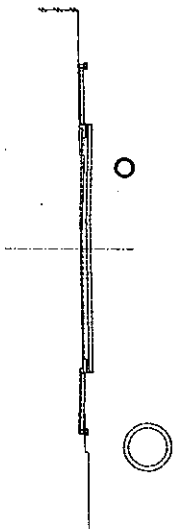
STA. 2+140
 FH=169.172
 GH=169.17



DL=163.00

STA. 2+120
 FH=169.093
 GH=169.05

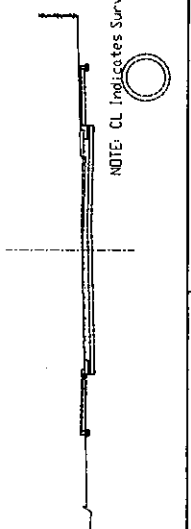
ROUTE 2 JUNCTION
 RENOVATION COMPLETED



DL=168.00

STA. 2+112.218
 FH=169.099
 GH=169.05

ROUTE 2 JUNCTION
 RENOVATION COMPLETED



DL=168.00

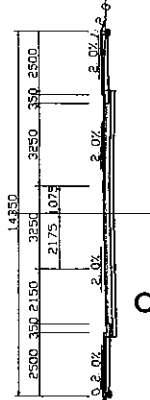
NOTE: CL Indicates Survey Center

ROADS DEPARTMENT, MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION LAO PEOPLE'S DEMOCRATIC REPUBLIC	BASIC DESIGN STUDY ON THE PROJECT FOR THE IMPROVEMENT OF THE VIENTIANE NO.1 ROAD IN THE LAO PEOPLE'S DEMOCRATIC REPUBLIC	JAPAN INTERNATIONAL COOPERATION AGENCY KATAHIRA & ENGINEERS INTERNATIONAL CTI ENGINEERING INTERNATIONAL CO. LTD	TITLE:	SCALE:	DRAWING NO:
			CROSS SECTIONS OF ROAD (1-A) (STA. 2+060 - STA. 2+160)	1: 100	CS-35
					REV.

STA. 3+228.859

FH=170.38
GH=170.38

REFER TO SIMUANG
JUNCTION DRAWING

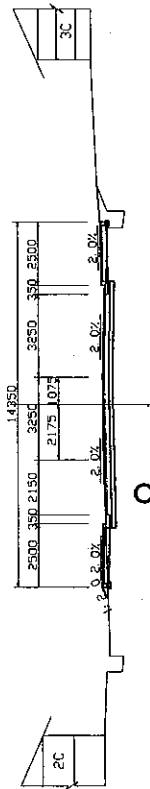


DIL=168.00

STA. 3+220

FH=170.383
GH=170.36

REFER TO SIMUANG
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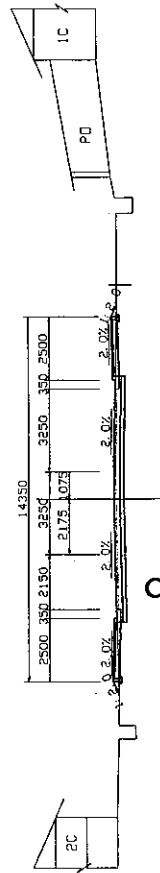


DIL=168.00

STA. 3+200

FH=170.347
GH=170.33

REFER TO SIMUANG
JUNCTION DRAWING



DIL=168.00

ROADS DEPARTMENT, MINISTRY OF COMMUNICATION TRANSPORT, POST AND CONSTRUCTION LAO PEOPLE'S DEMOCRATIC REPUBLIC	BASIC DESIGN STUDY ON THE PROJECT FOR THE IMPROVEMENT OF THE VIENTIANE NO.1 ROAD IN THE LAO PEOPLE'S DEMOCRATIC REPUBLIC	JAPAN INTERNATIONAL COOPERATION AGENCY KATAHIRA & ENGINEERS INTERNATIONAL CTI ENGINEERING INTERNATIONAL CO., LTD	TITLE:	CROSS SECTIONS OF ROAD (1-A) (STA. 3+200 - STA. 3+228.859)	SCALE:	1:100	DRAWING NO:	CS-36	REV: