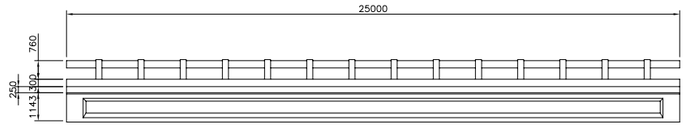
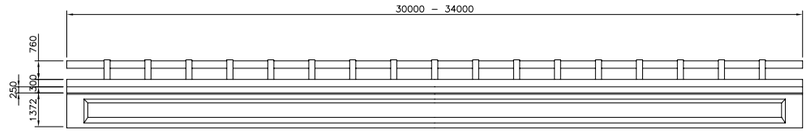
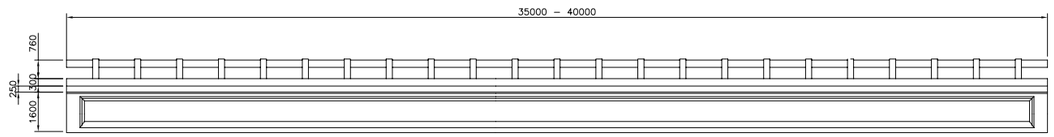
E. General Plan and
Sections of
Bridges and Flyovers



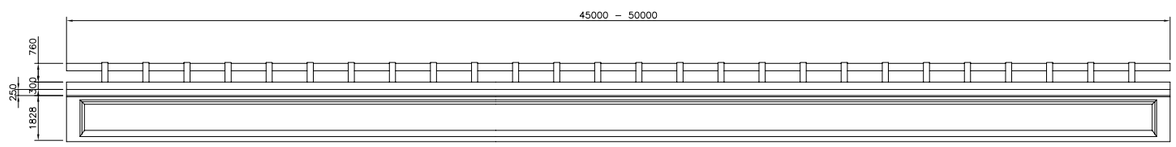
L = 20.0 m to 25.0 m
AASHTO Type III



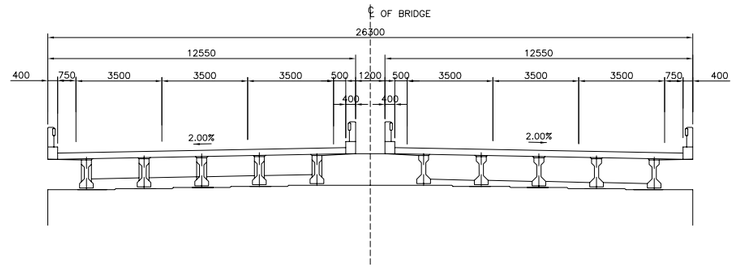
L = 30.0 m to 34.0 m
AASHTO Type IV

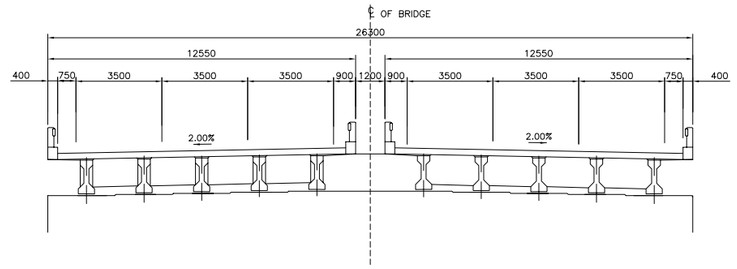


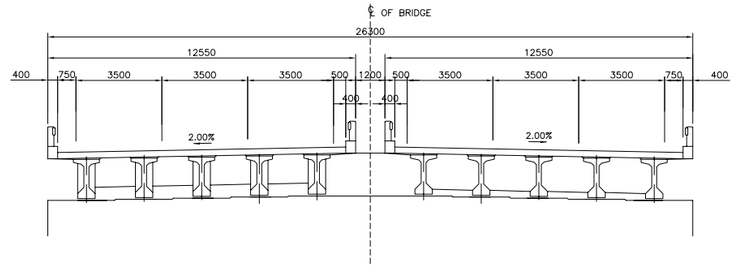
L = 35.0 m to 40.0 m
AASHTO Type V

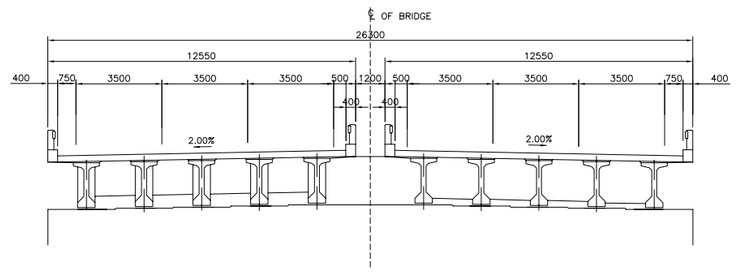


L = 45.0 m to 50.0 m
AASHTO Type VI









A NB–1 SIDE VIEW
SCALE 1:125

B NB–1 CROSS SECTION
SCALE 1:125

JAPAN INTERNATIONAL COOPERATION AGENCY	ALMEC CORPORATION	REMARKS:	THE FEASIBILITY STUDY AND IMPLEMENTATION SUPPORT ON THE CALA EAST-WEST NATIONAL ROAD PROJECT
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS	NIPPON KOEI CO., LTD.		DRAWING TITLE: North - South Road Standard Superstructures of Bridges

SCALE	As Shown
DRAWING NO.	NB-1
SHEET NO.	

Road No.	Structure ID.	Station No.		Bridge Length (m)	Span Arrangement (m)	Type of Superstructure	Remarks
		Start	End				
NS-1	NSB-1	0+755	1+210	455	13@35	PCDG	Junction Ramp at R-1
	NSB-2	1+593	2+300	707	7@30+45+8@31.5+50+5@30	PCDG	Aguinaldo Hwy Flyover
NS-3	NSB-3	8+500	9+145	645	3@25+45m+7@25+50+12@25	PCHS, PCDG	Citta Italia Subdivision Viaduct
	NSB-4	9+380	9+420	40	40	PCDG	Creek
NS-4	NSB-5	12+810	13+095	285	5@30+45+3@30	PCDG	Daang Hari Flyover
	NSB-6	14+615	14+945	330	11@30	PCDG	Orchard Club Flyover+River
	NSB-7	15+210	15+500	290	3@30+2@25+5@30	PCDG	Creek+Barangay Rd. Flyover
	NSB-8	15+935	16+235	300	10@30	PCDG	Salitran-Salawag Rd. Flyover
	NSB-9	19+830	20+360	530	10@30+45+35+5@30	PCDG	Aguinaldo Hwy Flyover
NS-5	NSB-10	20+525	20+615	90	3@30	PCDG	Dasmarinas River Viaduct
	NSB-11	21+410	21+500	90	3@30	PCDG	Dasmarinas River Viaduct
	NSB-12	21+590	21+740	150	5@30	PCDG	Dasmarinas River Viaduct
	NSB-13(a)	22+105	22+600	495	11@25+2@30+40+4@30	PCHS, PCDG	Dasmarinas River, Governors Drv. Flyover
	NSB-13(b)	22+105	22+330	225	9@25	PCHS	Rampway to Governors Drv.
	NSB-14	26+525	26+635	110	25+2@30+25	PCDG	Creek

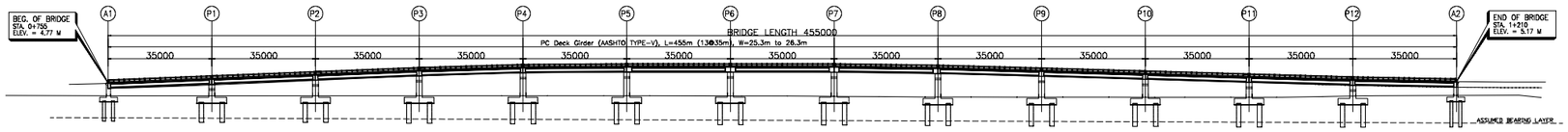
A NB-2 Schedule for Bridge

Road No.	Structure ID.	Station No.	Type of Structure	Size of Structure (m)	Remarks
NS-1	NM-1	1+240	RCBC	4x4	Underpass
NS-3	NM-2	12+210	RCBC	3x3 2-Cell	Waterway
	NM-3	12+680	RCBC	3x3 2-Cell	Waterway
NS-4	NM-4	13+195	RCBC	4.5x2.75	Waterway
	NM-5	13+750	RCBC	5x5 2-Cell	Waterway
NS-5	NM-6	22+830	RCBC	3x3 2-Cell	Waterway

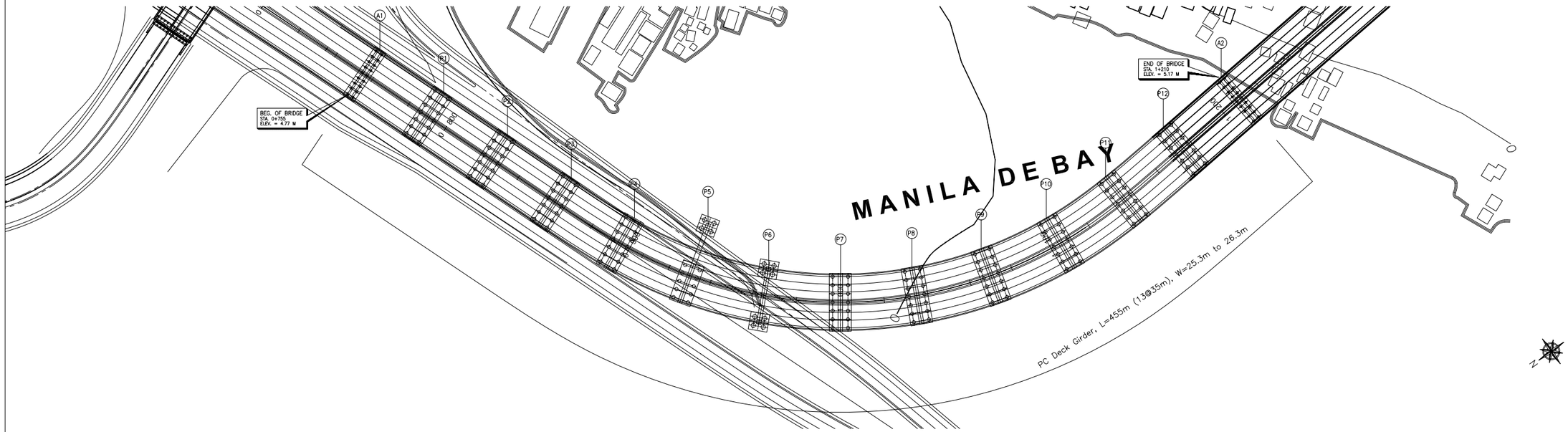
B NB-2 Schedule for Minor Structures

PCDG : Pre-stressed Concrete Deck Girder
PCHS : Pre-stressed Concrete Hollow Slab
PCBG : Pre-stressed Concrete Box Girder
RCBC : Reinforced Concrete Box Culvert

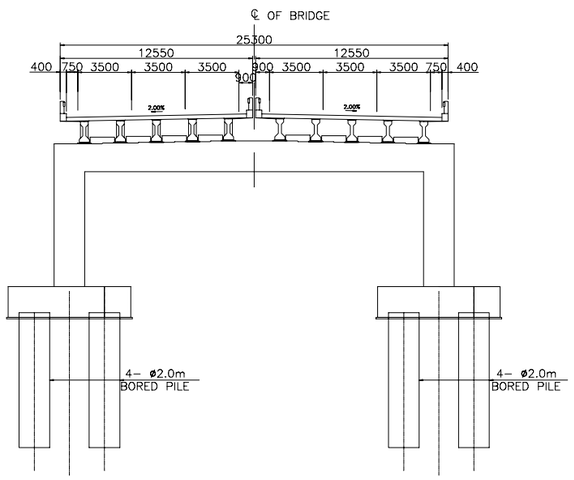
JICA JAPAN INTERNATIONAL COOPERATION AGENCY	ALMEC ALMEC CORPORATION	REMARKS:	THE FEASIBILITY STUDY AND IMPLEMENTATION SUPPORT ON THE CALA EAST-WEST NATIONAL ROAD PROJECT
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS	NK NIPPON KOEI CO., LTD.		DRAWING TITLE: North - South Road Structure Schedule
			SCALE: As Shown
			DRAWING NO.: NB-2
			SHEET NO.:



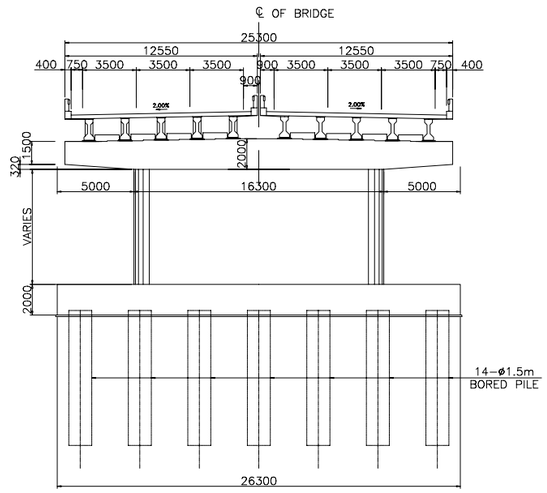
A NB-3 PROFILE
SCALE 1:1000



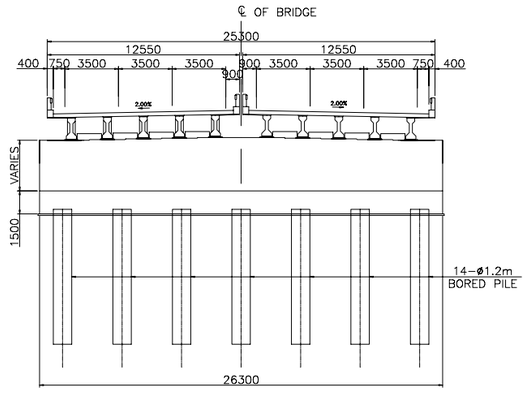
B NB-3 PLAN
SCALE 1:1000



C NB-3 SECTION @ PIER P6
SCALE 1:200



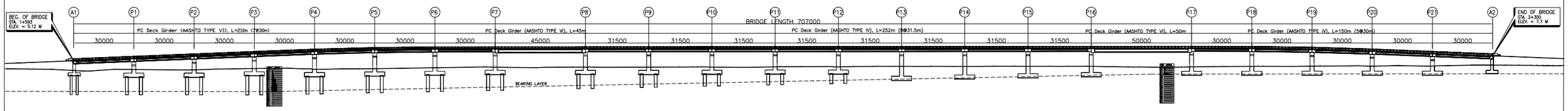
D NB-3 SECTION @ PIER P1-P4 & P7-P12
SCALE 1:200



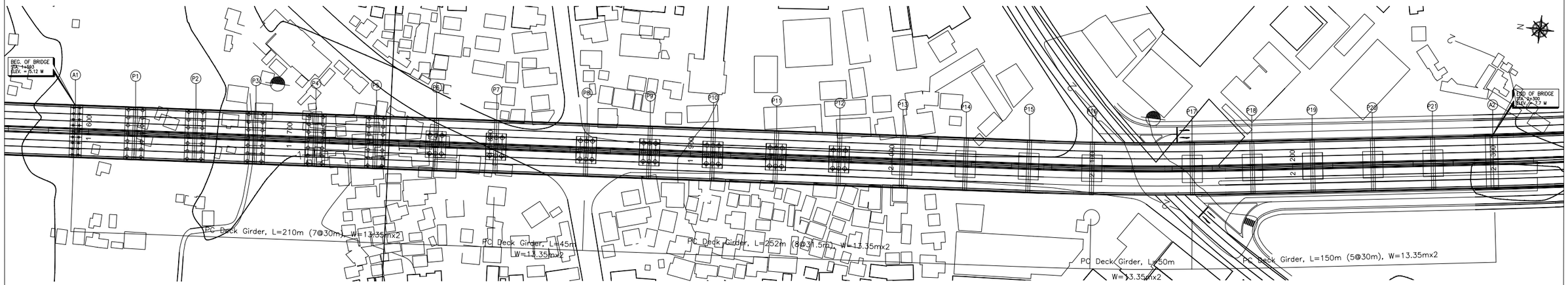
E NB-3 SECTION @ ABUT
SCALE 1:200

JAPAN INTERNATIONAL COOPERATION AGENCY	ALMEC CORPORATION	REMARKS:	THE FEASIBILITY STUDY AND IMPLEMENTATION SUPPORT ON THE CALA EAST-WEST NATIONAL ROAD PROJECT
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS	NIPPON KOEI CO., LTD.		DRAWING TITLE: North-South Road Gneneral Plan and Sections of Flyover NSB-1

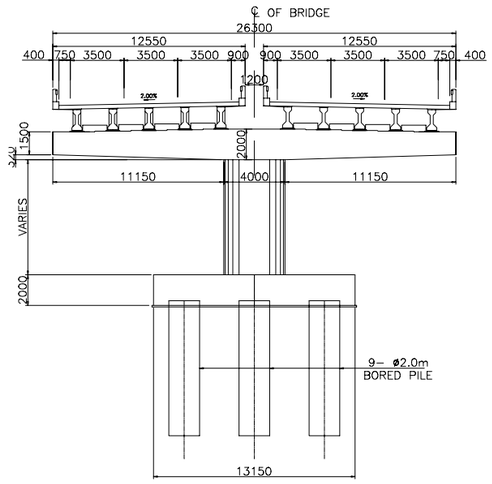
SCALE	As Shown
DRAWING NO.	NB-3
SHEET NO.	



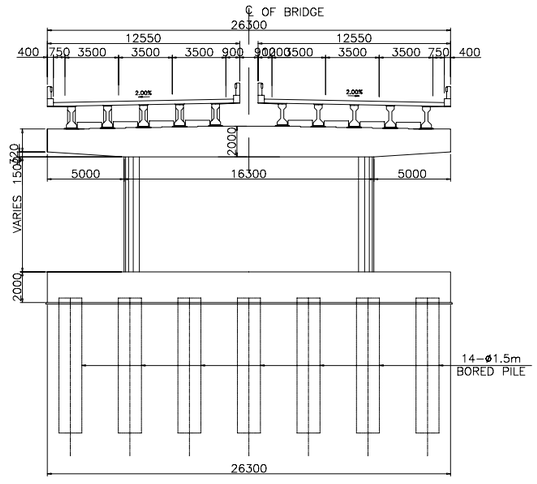
A NB-4 PROFILE
SCALE 1:1000



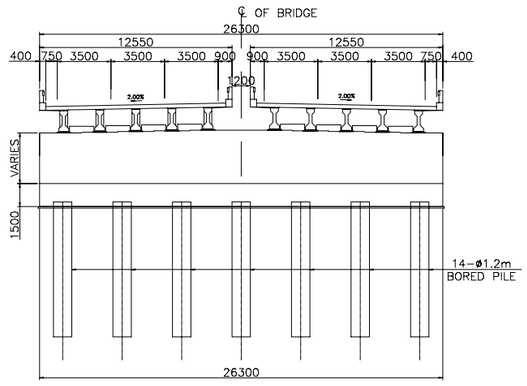
B NB-4 PLAN
SCALE 1:1000



C NB-4 SECTION @ PIER P6–P12
SCALE 1:200

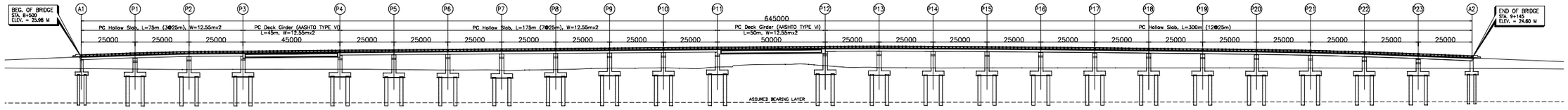


D NB-4 SECTION @ PIER P1–P5
SCALE 1:200

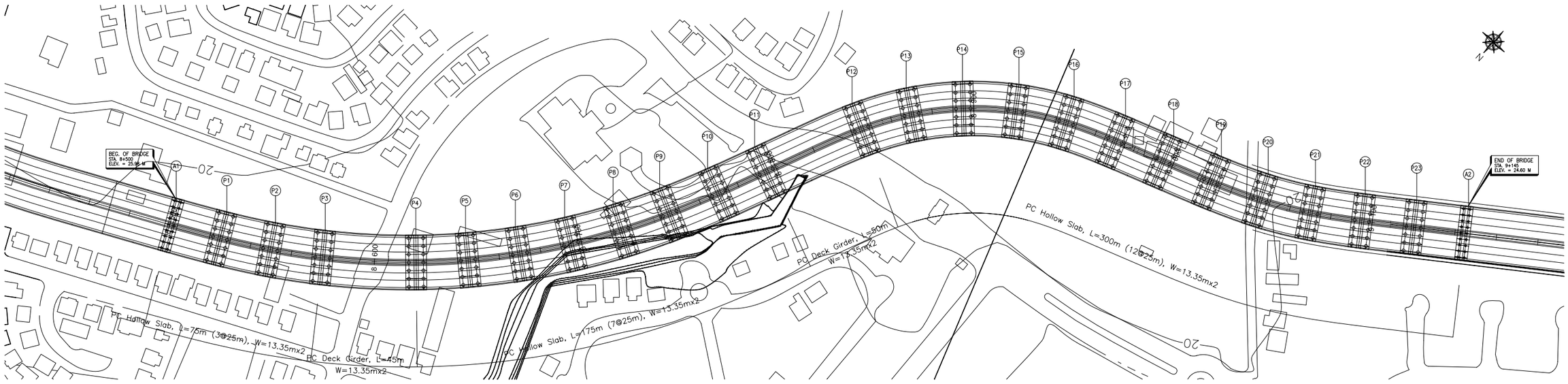


E NB-4 SECTION @ ABUT
SCALE 1:200

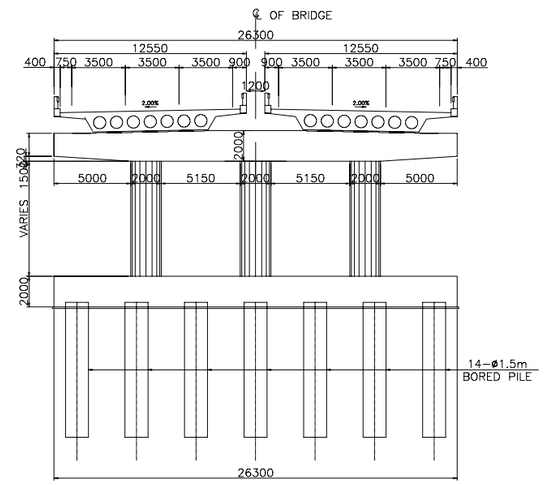
JAPAN INTERNATIONAL COOPERATION AGENCY	ALMEC CORPORATION	REMARKS:	THE FEASIBILITY STUDY AND IMPLEMENTATION SUPPORT ON THE CALA EAST-WEST NATIONAL ROAD PROJECT
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS	NIPPON KOEI CO., LTD.	DRAWING TITLE: North-South Road Gneneral Plan and Sections of Flyover NSB-2	SCALE: As Shown; DRAWING NO.: NB-4; SHEET NO.:



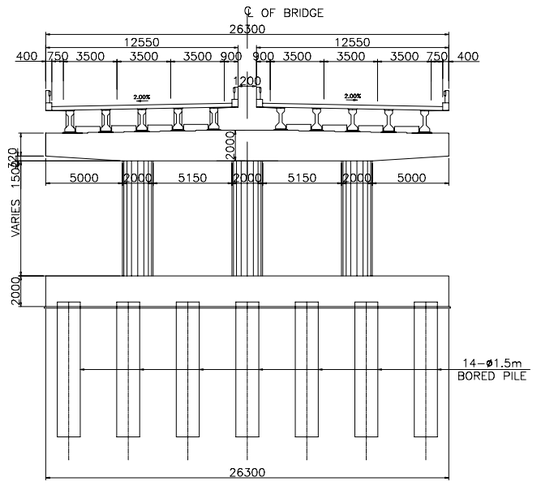
A NB-5 PROFILE
SCALE 1:1000



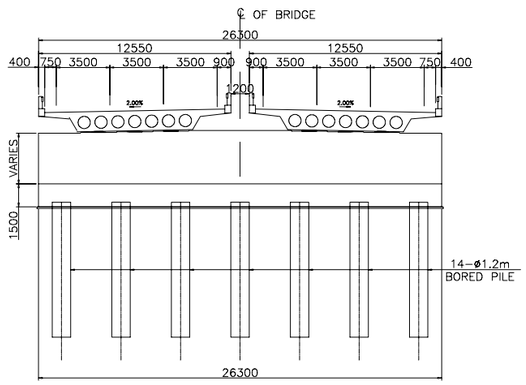
B NB-5 PLAN
SCALE 1:1000



C NB-5 SECTION @ PIER P1–P2, P5–P10, P13–P23
SCALE 1:200



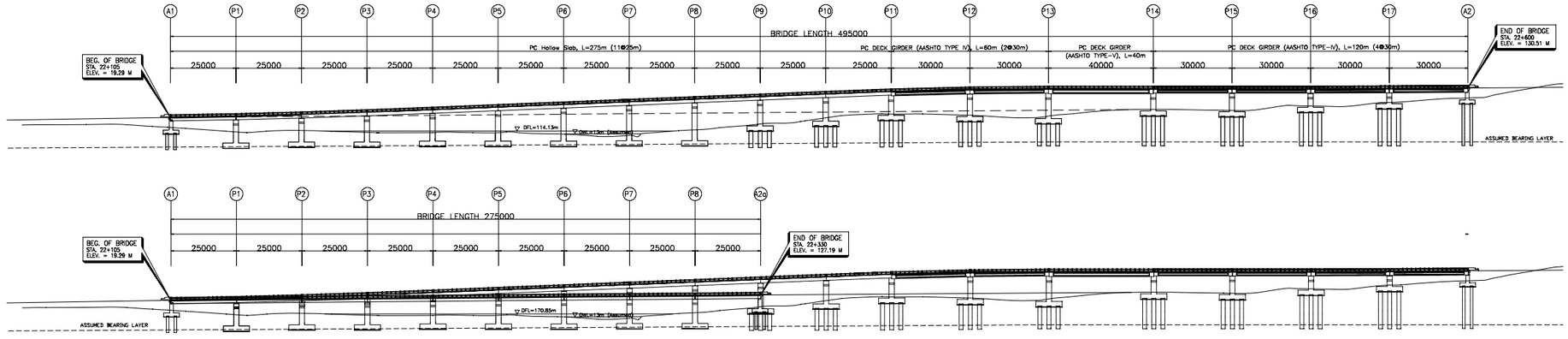
D NB-5 SECTION @ PIER P3, P4, P11, P12
SCALE 1:200



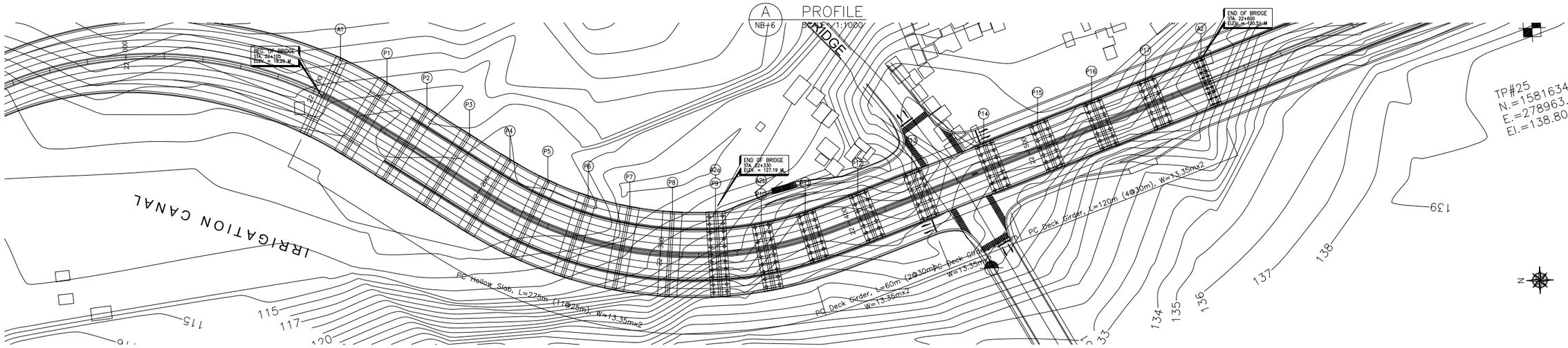
E NB-5 SECTION @ ABUT
SCALE 1:200

JICA JAPAN INTERNATIONAL COOPERATION AGENCY	ALMEC ALMEC CORPORATION	REMARKS:	THE FEASIBILITY STUDY AND IMPLEMENTATION SUPPORT ON THE CALA EAST-WEST NATIONAL ROAD PROJECT
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS	NK NIPPON KOEI CO., LTD.		DRAWING TITLE: North-South Road Gneneral Plan and Sections of Flyover NSB-3

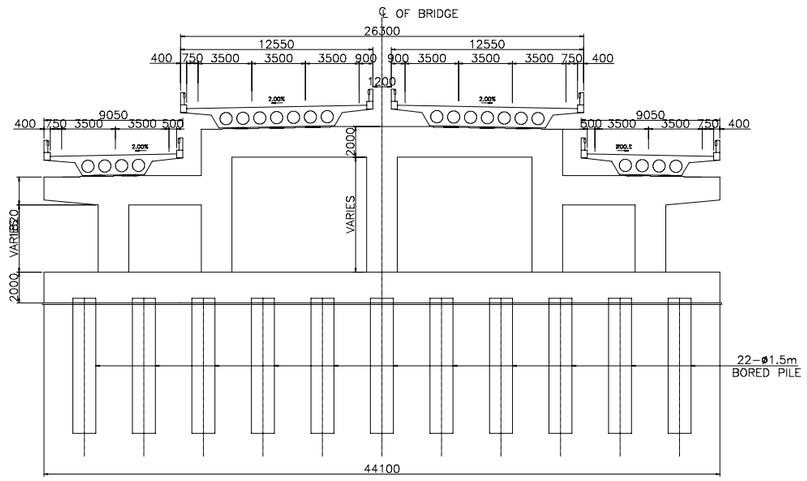
SCALE	As Shown
DRAWING NO.	NB-5
SHEET NO.	



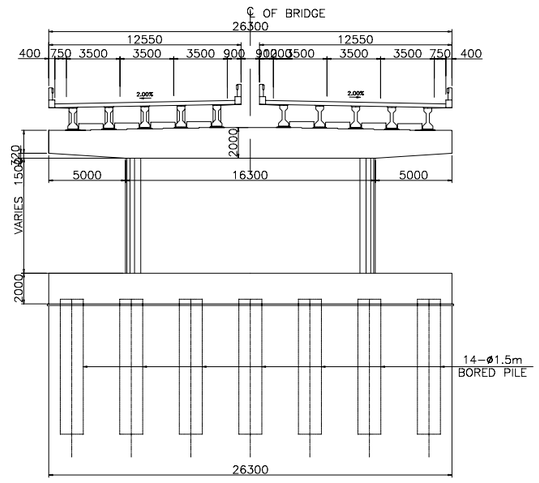
A NB-6 PROFILE SCALE 1:1000



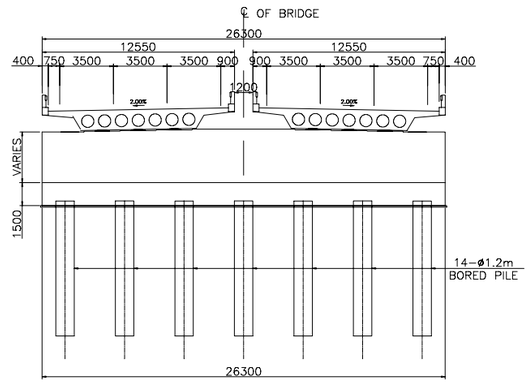
B NB-6 PLAN SCALE 1:1000



C NB-6 SECTION @ PIER P1-P8 SCALE 1:200



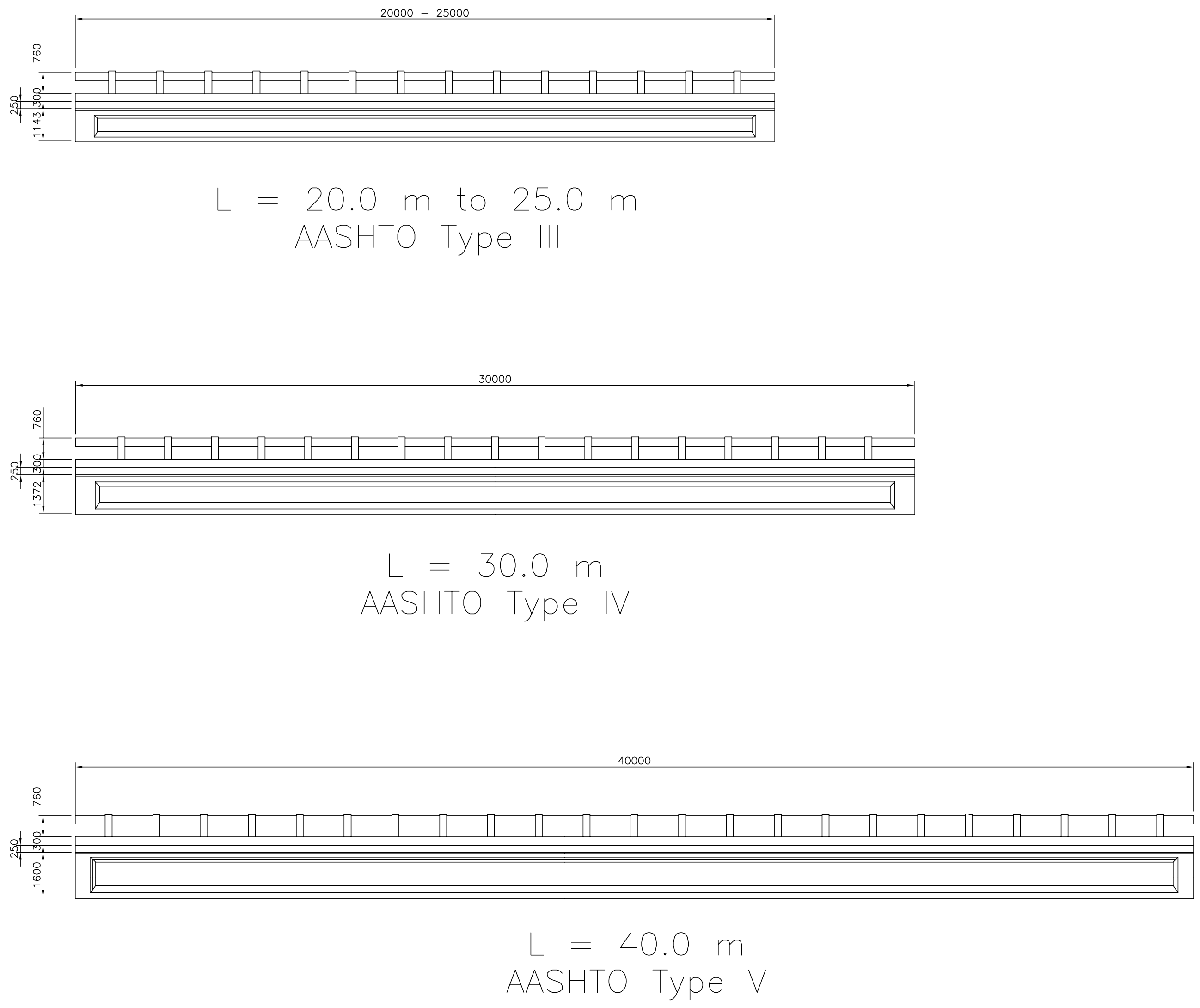
D NB-6 SECTION @ PIER P3, P4, P11, P12 SCALE 1:200



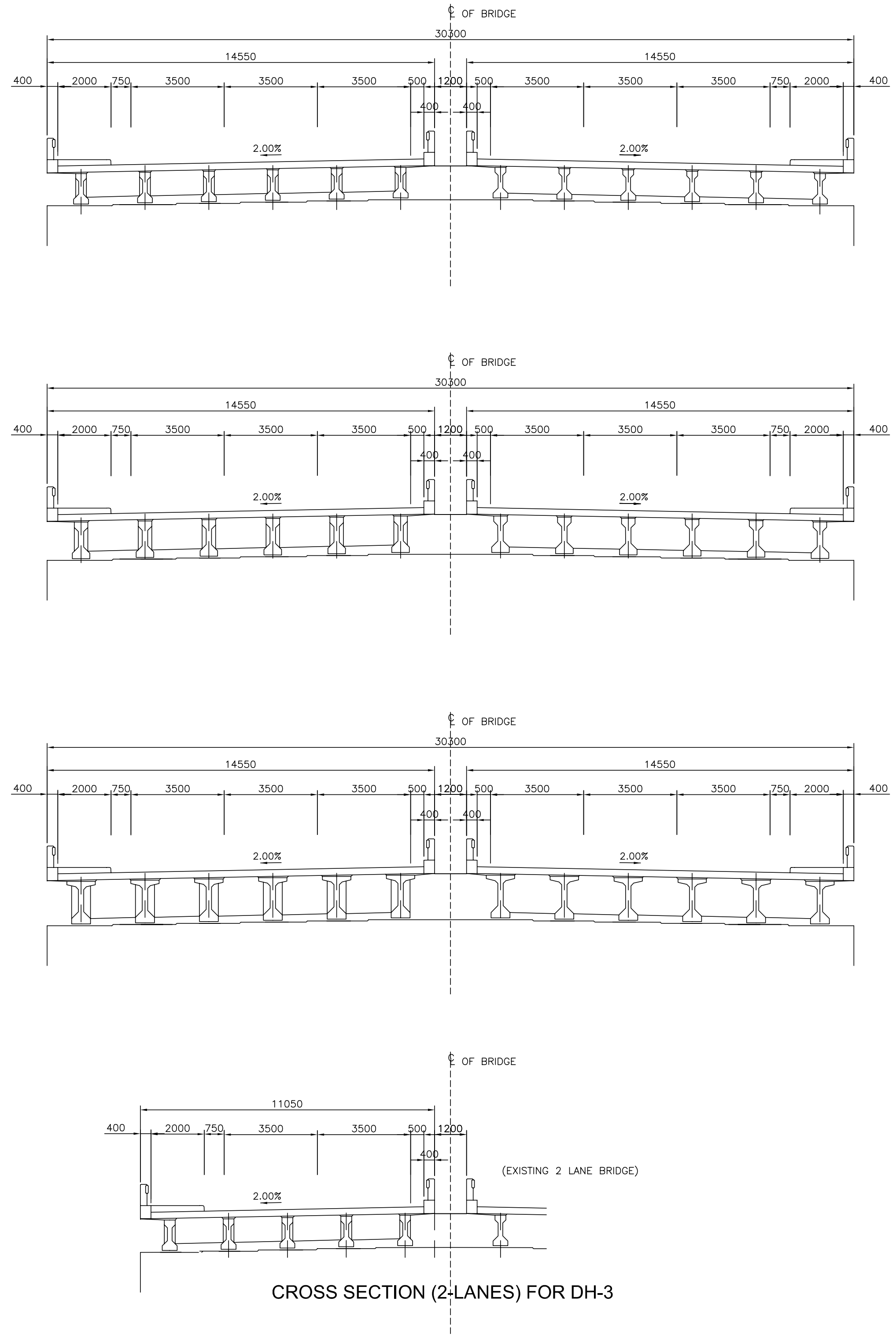
E NB-6 SECTION @ ABUT SCALE 1:200

JICA JAPAN INTERNATIONAL COOPERATION AGENCY	ALMEC ALMEC CORPORATION	REMARKS:	THE FEASIBILITY STUDY AND IMPLEMENTATION SUPPORT ON THE CALA EAST-WEST NATIONAL ROAD PROJECT
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS	NK NIPPON KOEI CO., LTD.		DRAWING TITLE: North-South Road Gneneral Plan and Sections of Flyover & Bridge NSB-13

SCALE	As Shown
DRAWING NO.	NB-6
SHEET NO.	



A DB-1 SIDE VIEW
SCALE 1:125



B DB-1 CROSS SECTION
SCALE 1:125

JICA JAPAN INTERNATIONAL COOPERATION AGENCY	ALMEC ALMEC CORPORATION	REMARKS:	THE FEASIBILITY STUDY AND IMPLEMENTATION SUPPORT ON THE CALA EAST-WEST NATIONAL ROAD PROJECT
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS	NIPPON KOEI CO., LTD.		DRAWING TITLE: Daang Hari Road Standard Superstructures of Bridges

SCALE	As Shown
DRAWING NO.	DB-1
SHEET NO.	

Road No.	Structure ID.	Station No.		Bridge Length (m)	Span Arrangement (m)	Type of Superstructure	Remarks
		Start	End				
DH-3	DHB-1	4+840	4+865	0	25	PCDG	Creek
	DHB-2	5+225	5+250	0	25	PCDG	Creek
	DHB-3	5+625	5+655	0	30	PCDG	Creek
	DHB-4	6+030	6+055	0	25	PCDG	Creek
	DHB-5	8+790	8+830	0	40	PCDG	Creek
DH-4	DHB-6	11+972	12+012	0	40	PCDG	Creek
	DHB-7	14+025	14+055	0	30	PCDG	Creek
	DHB-8	15+777	15+827	0	20+30	PCDG	Creek
	DHB-9	16+323	16+563	0	8@30	PCDG	Creek

A DB-2 Schedule for Bridge

Road No.	Structure ID.	Station No.	Type of Structure	Size of Structure (m)	Remarks
DH-2	DM-1	8+180	RCBC	5x5 2-Cell	Waterway
DH-3	DM-2	9+420	RCBC	1.5x1.5 2-Cell	Waterway
	DM-3	9+750	RCBC	1.5x1.5 2-Cell	Waterway
	DM-4	10+130	RCBC	3x3 2-Cell	Waterway
	DM-5	10+410	RCBC	5x5 2-Cell	Waterway
	DM-6	10+865	RCBC	1.5x1.5 2-Cell	Waterway
	DM-7	11+485	RCBC	1.5x1.5 2-Cell	Waterway
	DM-8	12+135	RCBC	3x3 2-Cell	Waterway
	DM-9	12+920	RCBC	3x3 2-Cell	Waterway
	DM-10	13+680	RCBC	1.5x1.5 2-Cell	Waterway
	DM-11	13+915	RCBC	1.5x1.5 2-Cell	Waterway
	DM-12	15+305	RCBC	3x3 2-Cell	Waterway
	DM-13	16+670	RCBC	1.5x1.5 2-Cell	Waterway
	DM-14	17+635	RCBC	1.5x1.5 2-Cell	Waterway
	DM-15	18+165	RCBC	1.5x1.5 2-Cell	Waterway
	DM-16	19+400	RCBC	1.5x1.5 2-Cell	Waterway
	DM-17	19+510	RCBC	1.5x1.5 2-Cell	Waterway
	DM-18	20+235	RCBC	1.5x1.5 2-Cell	Waterway

B DB-2 Schedule for Minor Structures

PCDG : Pre-stressed Concrete Deck Girder
PCHS : Pre-stressed Concrete Hollow Slab
PCBG : Pre-stressed Concrete Box Girder
RCBC : Reinforced Concrete Box Culvert

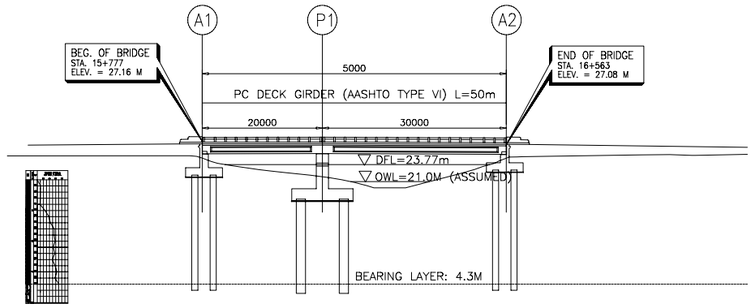
JICA JAPAN INTERNATIONAL COOPERATION AGENCY
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
ALMEC ALMEC CORPORATION
NIPPON KOEI CO., LTD.

REMARKS:

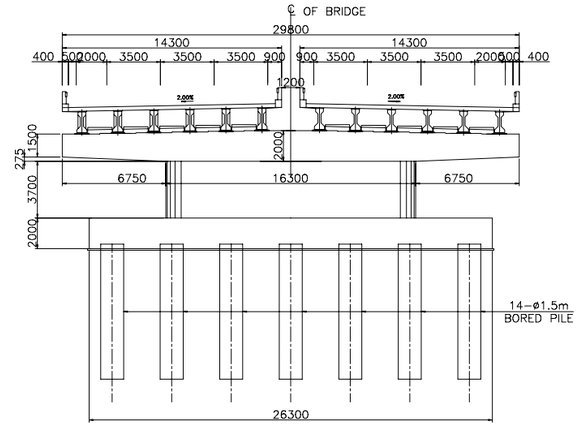
THE FEASIBILITY STUDY AND IMPLEMENTATION SUPPORT ON THE CALA EAST-WEST NATIONAL ROAD PROJECT

DRAWING TITLE: Daang Hari Road Structure Schedule

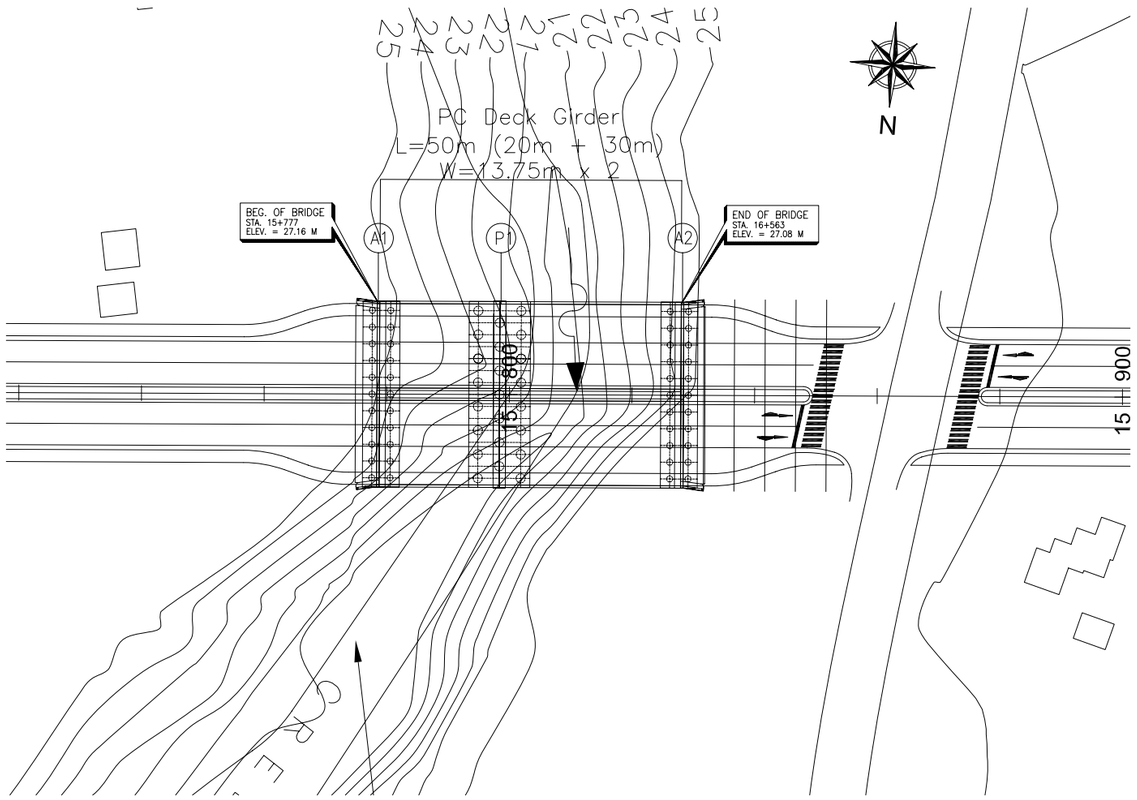
SCALE	As Shown
DRAWING NO.	DB-2
SHEET NO.	



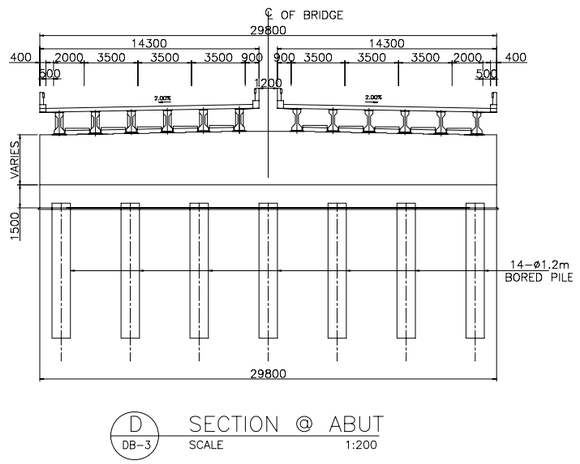
A DB-3 PROFILE
SCALE 1:500



C DB-3 SECTION @ PIER
SCALE 1:200



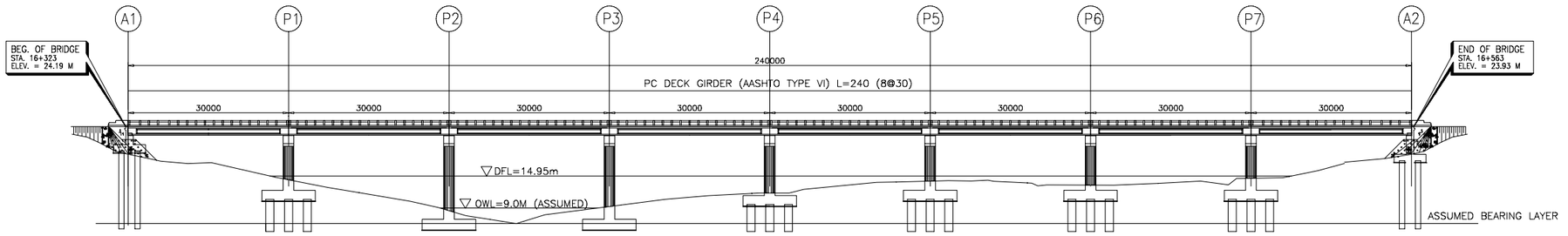
B DB-3 PLAN
SCALE 1:500



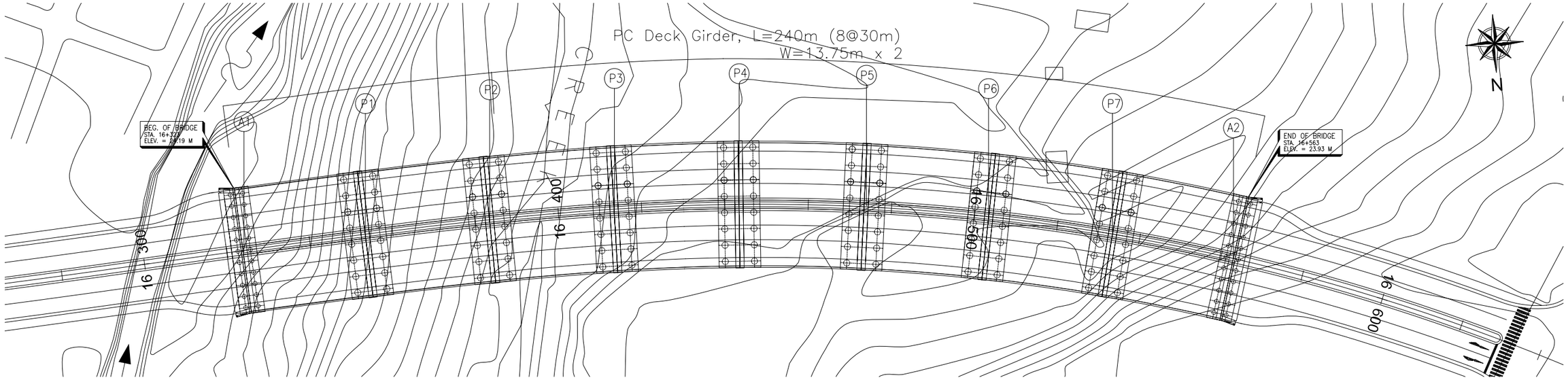
D DB-3 SECTION @ ABUT
SCALE 1:200

JAPAN INTERNATIONAL COOPERATION AGENCY	ALMEC CORPORATION	REMARKS:	THE FEASIBILITY STUDY AND IMPLEMENTATION SUPPORT ON THE CALA EAST-WEST NATIONAL ROAD PROJECT
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS	NIPPON KOEI CO., LTD.		DRAWING TITLE: Daang Hari Road General View and Sections of Bridge DHB-8

SCALE	As Shown
DRAWING NO.	DB-3
SHEET NO.	



A DB-4 PROFILE
SCALE 1:500



B DB-4 PLAN
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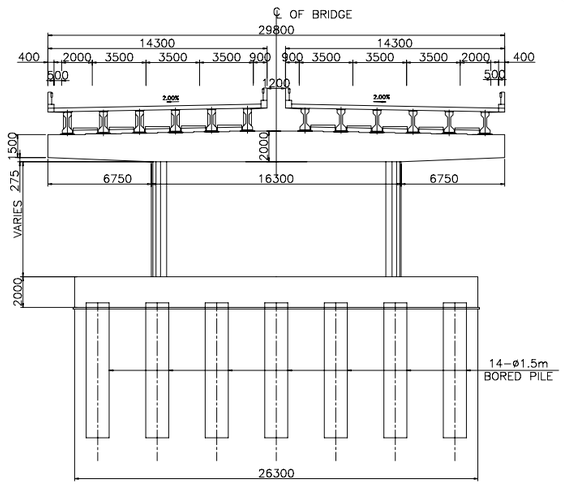
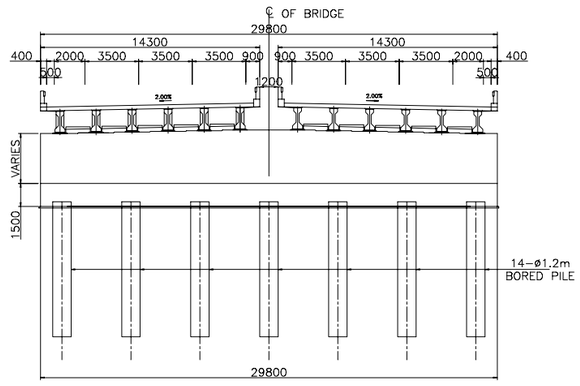


C DB-4 SECTION @ PIER
SCALE 1:200



D DB-4 SECTION @ ABUT
SCALE 1:200

JAPAN INTERNATIONAL COOPERATION AGENCY	ALMEC CORPORATION	REMARKS:	THE FEASIBILITY STUDY AND IMPLEMENTATION SUPPORT ON THE CALA EAST-WEST NATIONAL ROAD PROJECT
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS	NIPPON KOEI CO., LTD.	DRAWING TITLE: Daang Hari Road General View and Sections of Bridge DHB-9	SCALE: As Shown; DRAWING NO.: DB-4; SHEET NO.: