

カンボジア国  
ネアックルン橋梁建設計画  
準備調査

< 図 面 集 >

平成 22 年 3 月  
(2010 年)

独立行政法人 国際協力機構  
(JICA)

委託先  
株式会社 長 大  
株式会社 オリエンタルコンサルタンツ

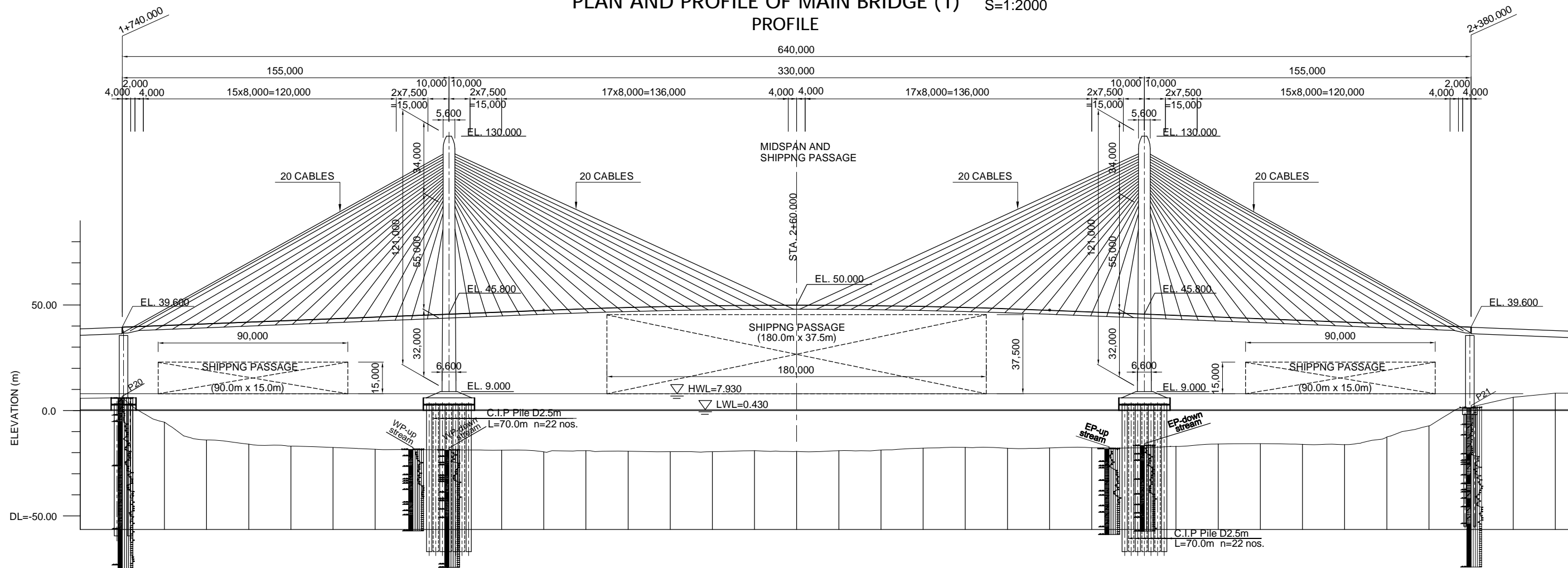
## DRAWING SCHEDULE

CABLE STAYED BRIDGE	
No	DRAWING TITLE
C-1	PLAN AND PROFILE OF MAIN BRIDGE (1)
C-2	PLAN AND PROFILE OF MAIN BRIDGE (2)
C-3	GENERAL VIEW OF GIRDER (1)
C-4	GENERAL VIEW OF GIRDER (2)
C-5	GENERAL VIEW OF STAY CABLE (1)
C-6	GENERAL VIEW OF PYLON (1)
C-7	GENERAL VIEW OF FOUNDATION (WEST PYLON)
C-8	GENERAL VIEW OF FOUNDATION (EAST PYLON)
C-9	GENERAL VIEW OF SUBSTRUCTURE AND FOUNDATION (P20)
C-10	GENERAL VIEW OF SUBSTRUCTURE AND FOUNDATION (P21)
APPROACH BRIDGE	
No	DRAWING TITLE
P-1	PLAN AND PROFILE OF APPROACH BRIDGE (A1 to P10)
P-2	PLAN AND PROFILE OF APPROACH BRIDGE (P10 to P20)
P-3	PLAN AND PROFILE OF APPROACH BRIDGE (P21 to A2)
P-4	PLAN AND PROFILE OF APPROACH BRIDGE (SECTION)
P-5	GENERAL ARRANGEMENT OF SUPERSTRUCTURE (1)
P-6	SUBSTRUCTURE (3)
P-7	SUBSTRUCTURE (4)
P-8	SUBSTRUCTURE (5)
P-9	SUBSTRUCTURE (6)
P-10	SUBSTRUCTURE (7)
P-11	SUBSTRUCTURE (8)

ROAD	
No	DRAWING TITLE
R-1	PLAN (1) & (2)
R-2	PLAN (3) & (4)
R-3	PLAN (5) & (6)
R-4	PLAN (7) & (8)
R-5	PROFILE - MAIN (1)
R-6	PROFILE - MAIN (2)
R-7	PROFILE - MAIN (3)
R-8	PROFILE - MAIN (4)
R-9	PROFILE - MAIN (5)
R-10	PROFILE - MINOR ROAD (1)
R-11	PROFILE - MINOR ROAD (2)
R-12	TYPICAL CROSS SECTION (1)
R-13	TYPICAL CROSS SECTION (2)
R-14	TYPICAL CROSS SECTION (3)
R-15	BOX CULVERT (1)
R-16	BOX CULVERT (2)
R-17	BOX CULVERT (3)
R-18	BOX CULVERT (4)
R-19	BOX CULVERT (5)
R-20	BOX CULVERT (6)
R-21	RETAINING WALL (1)
R-22	RETAINING WALL (2)
R-23	RETAINING WALL (3)
R-24	SOFT GROUND TREATMENT

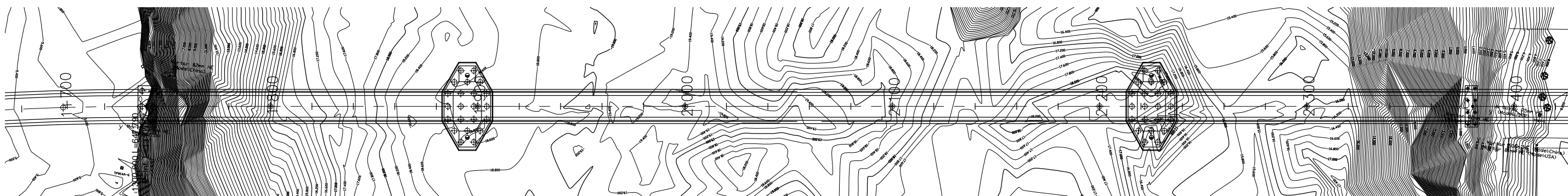
# PLAN AND PROFILE OF MAIN BRIDGE (1) S=1:2000

## PROFILE



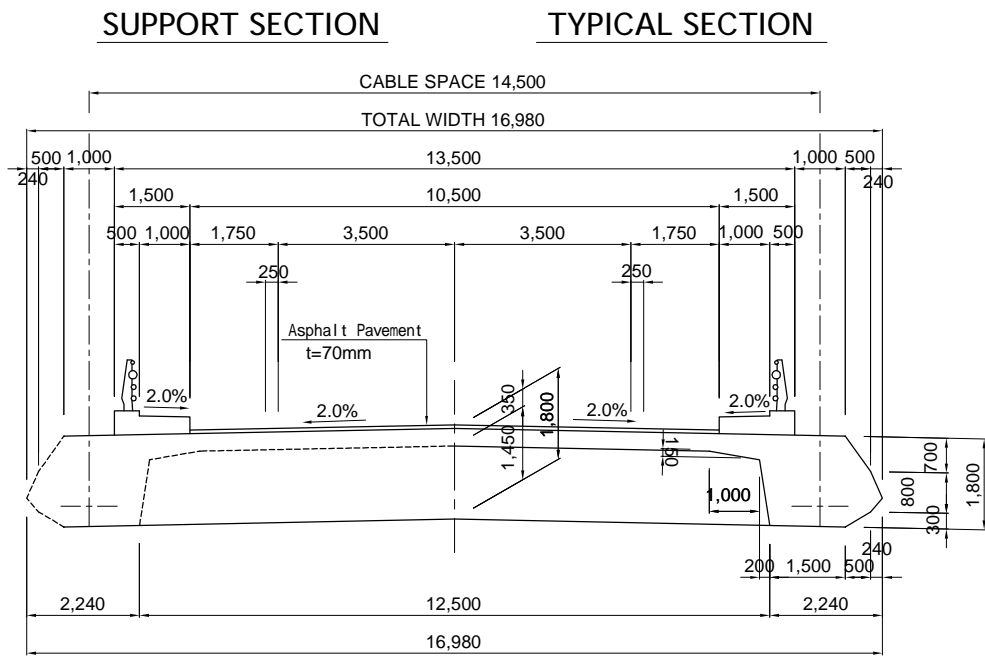
GRADE	VCL=220.0m VCR=10,000 4.000% L=750.000m										VCL=240.0m VCR=3,000										-4.000% L=1075.000m VCL=170.0m VCR=3,778																	
DESIGN LEVEL	39.6000	40.4000	41.2000	42.0000	42.8000	43.6000	44.4000	45.2000	46.0000	46.8000	47.6000	48.3333	49.0666	49.8000	50.5333	51.2666	48.3333	47.6000	46.8000	46.0000	45.2000	44.4000	43.6000	42.8000	42.0000	41.2000	40.4000	39.6000										
EXISTING HEIGHT	6.071	5.477	-13.966	-15.970	-16.911	-17.561	-18.360	-18.582	-18.700	-18.784	-19.666	-19.070	-19.316	-19.537	-19.533	-19.073	-18.730	-17.839	-17.473	-17.844	-17.677	-17.657	-17.733	-16.939	-15.840	-15.785	-16.039	-16.166	-12.529	-41.2000	-40.4000	-39.6000	-38.8000	6.233	1.315			
CHAINAGE	1+740	1+760	1+780	1+800	1+820	1+840	1+860	1+880	1+895	1+900	1+920	1+940	1+960	1+980	2+000	2+020	2+040	2+060	2+080	2+100	2+120	2+140	2+160	2+180	2+200	2+220	2+225	2+240	2+260	2+280	2+300	2+320	2+340	2+360	2+380	2+400		
CURVE ELEMENT	R=2200										R=3000										R=1700																	
SUPER ELEVATION	2.00%																																					

## PLAN

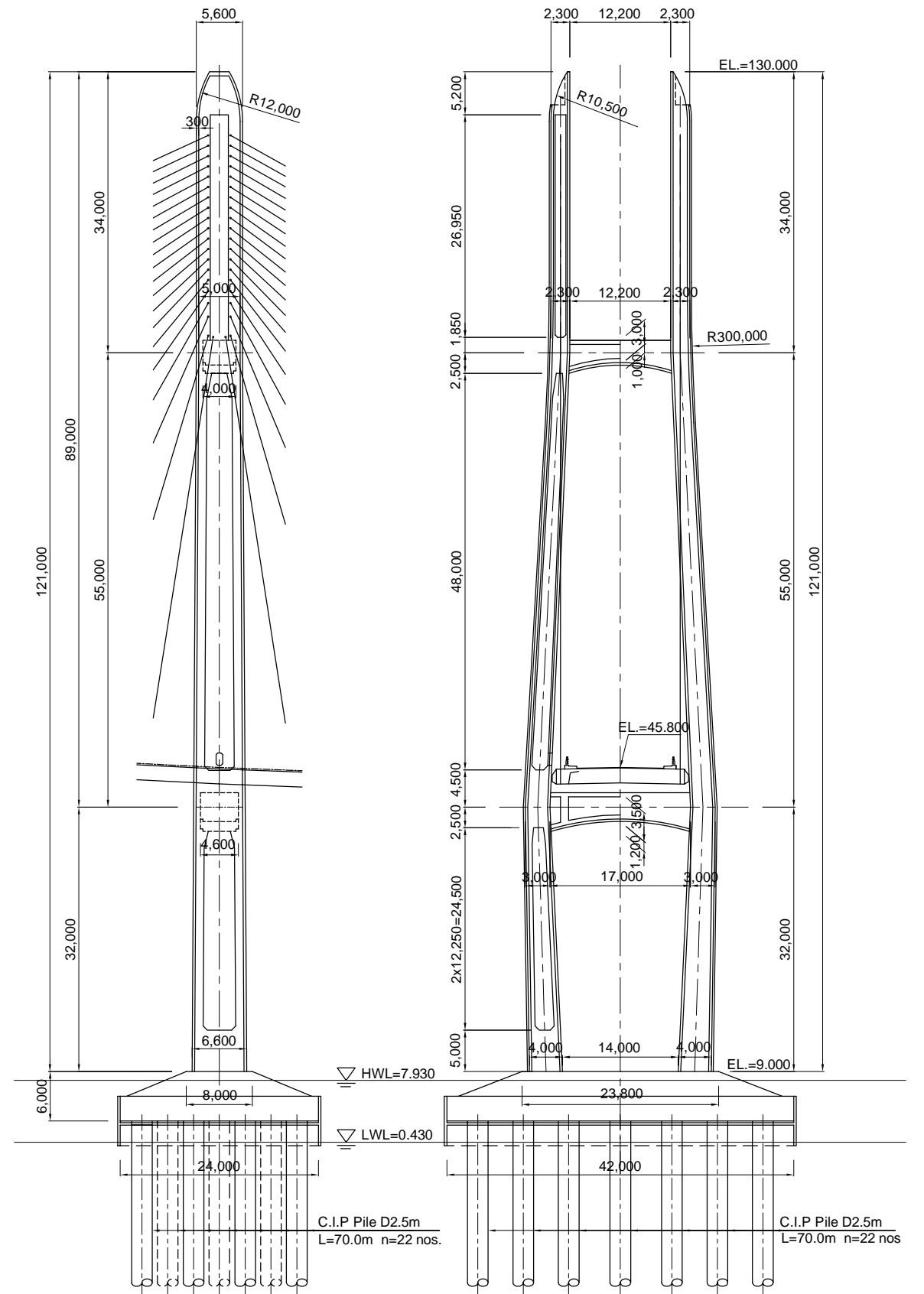


# GENERAL VIEW OF MAIN BRIDGE (2)

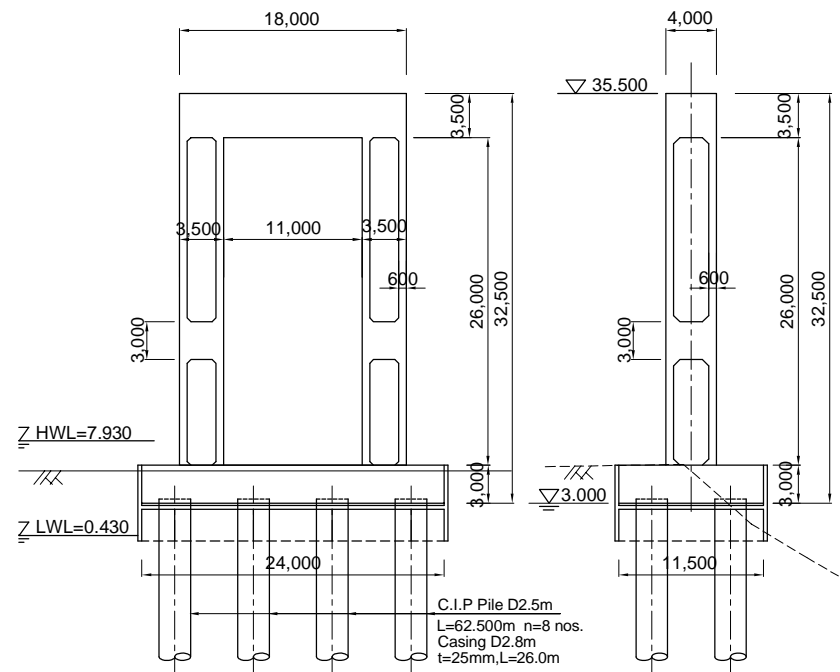
## GIRDER CROSS SECTION S=1:150



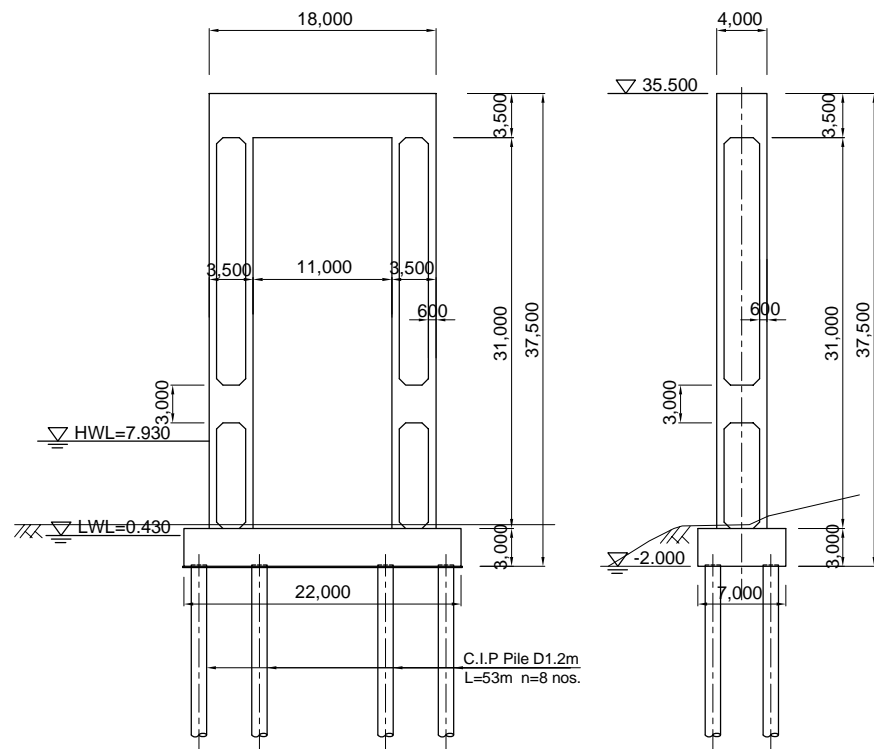
## PYLON S=1:700



## P20 S=1:600

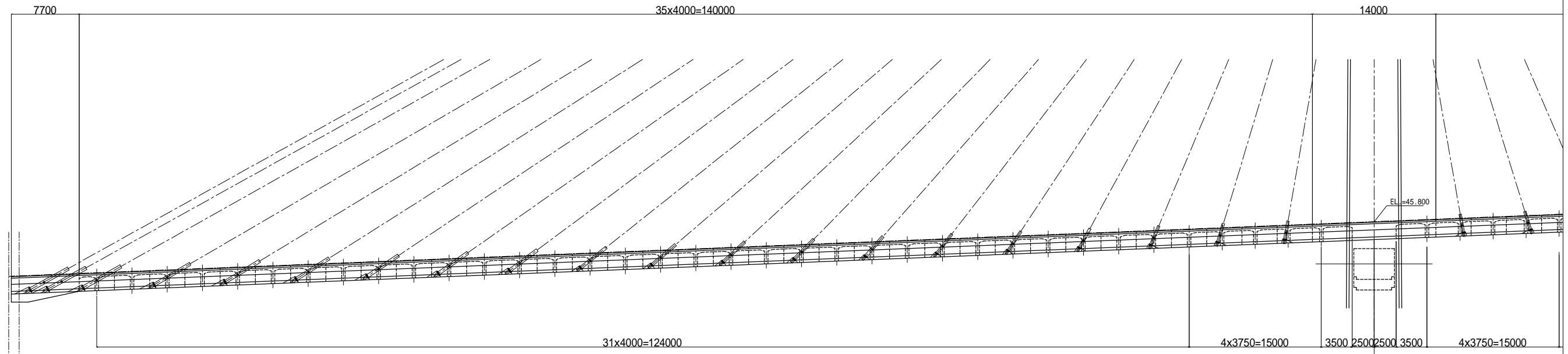


## P21 S=1:600

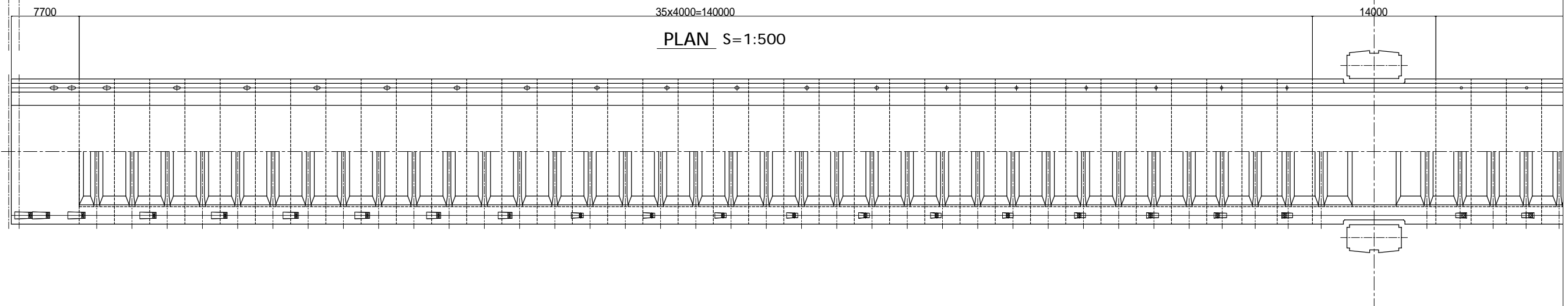


# GENERAL VIEW OF GIRDER (1)

ELEVATION S=1:500

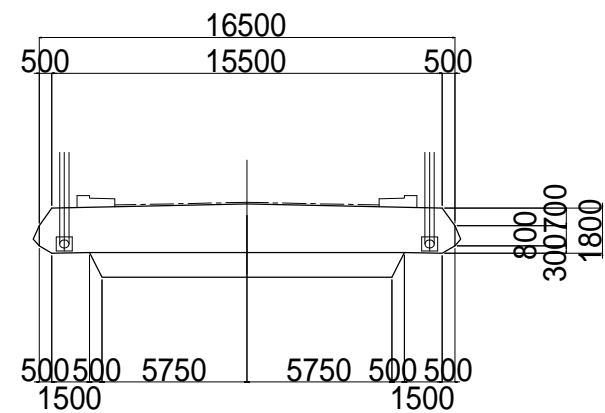


PLAN S=1:500

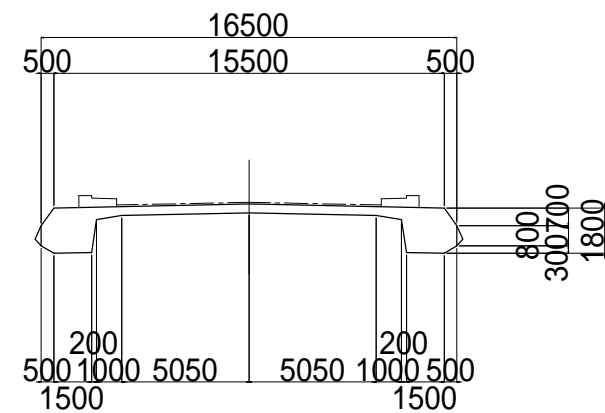


SECTION S=1:300

GIRDER END SECTION

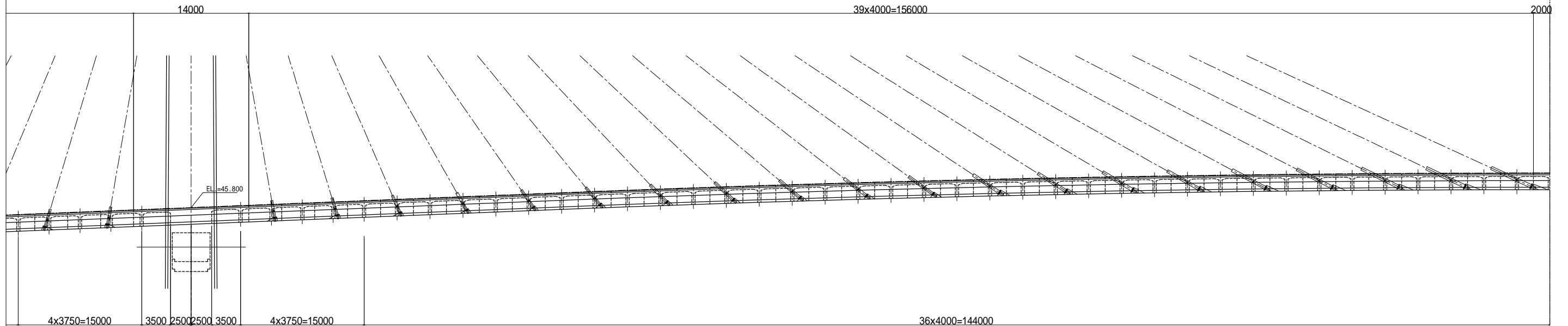


TYPICAL SECTION

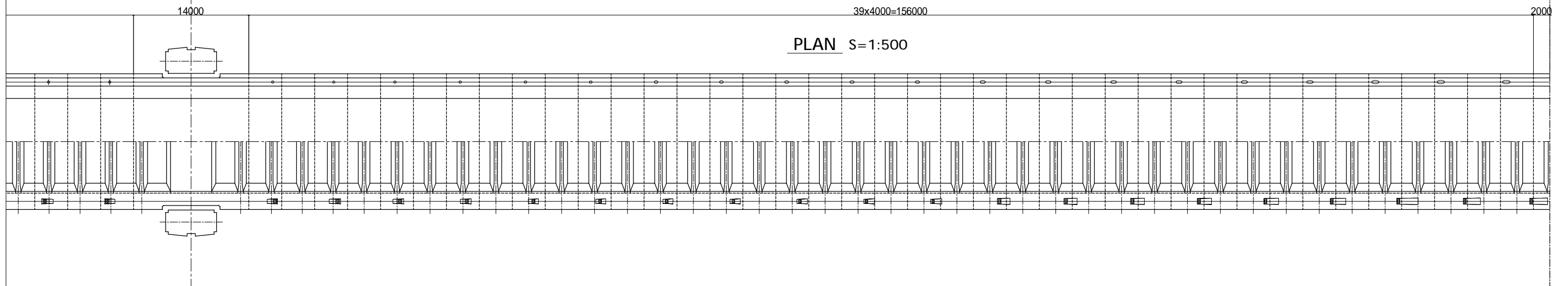


# GENERAL VIEW OF GIRDER (2)

ELEVATION S=1:500

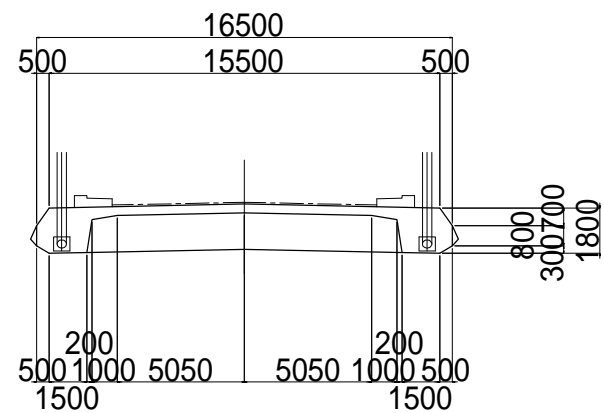


PLAN S=1:500

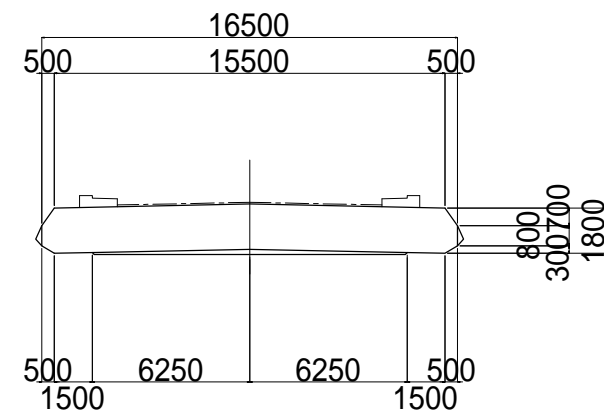


SECTION S=1:300

CROSSBEAM SECTION



SUPPORT SECTION



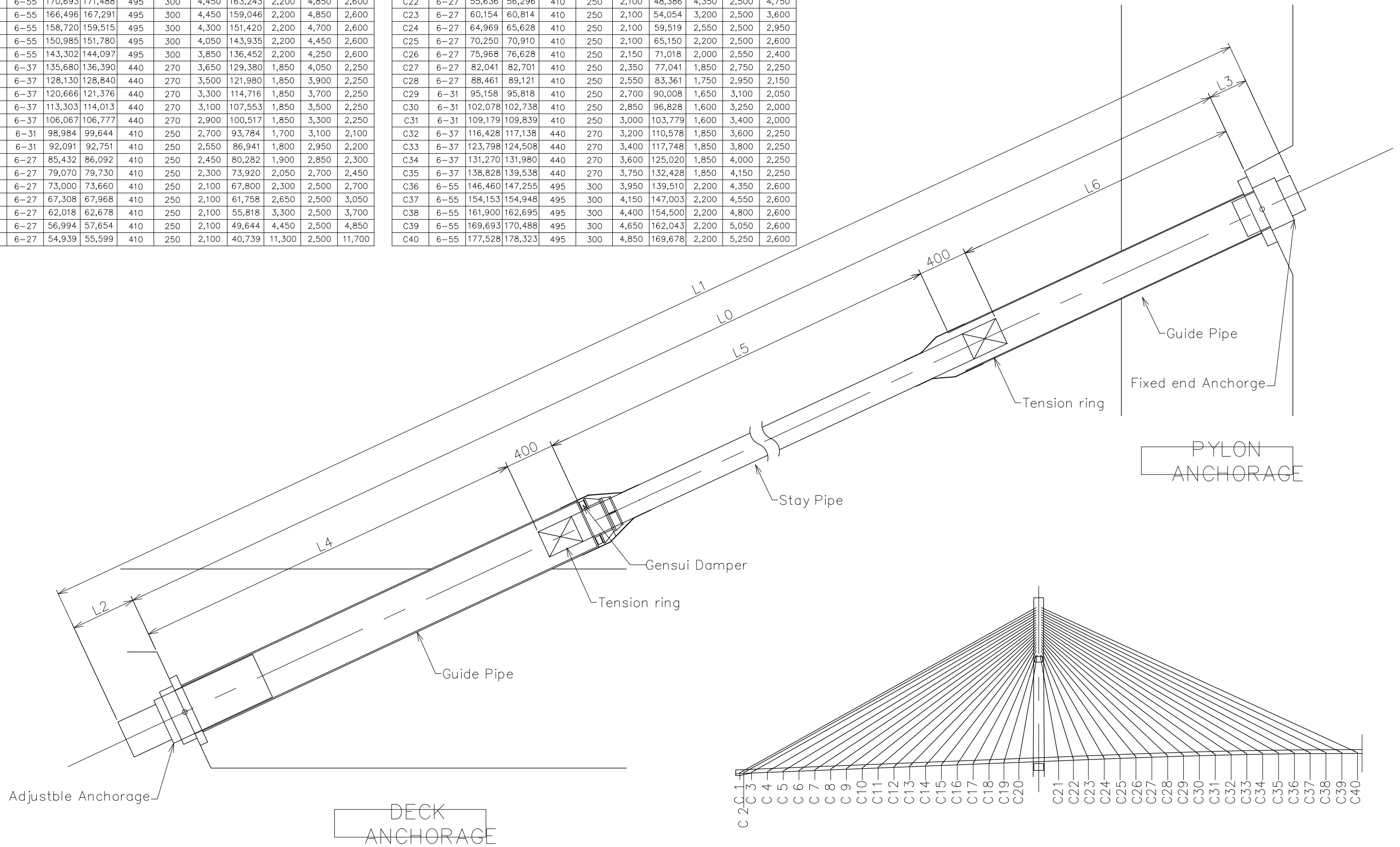
# GENERAL VIEW OF STAY CABLE

(Unit : mm)

Cable No.	Anchorage Unit	Cable Length						Guide Pipe		
		L 0	L 1	L 2	L 3	L 4	L 5	L 6	Deck	Pylon
C 1	6-61	173,084	173,934	530	320	4,550	165,384	2,350	4,950	2,750
C 2	6-55	170,693	171,488	495	300	4,450	163,243	2,200	4,850	2,600
C 3	6-55	166,496	167,291	495	300	4,450	159,046	2,200	4,850	2,600
C 4	6-55	158,720	159,515	495	300	4,300	151,420	2,200	4,700	2,600
C 5	6-55	150,985	151,780	495	300	4,050	143,935	2,200	4,450	2,600
C 6	6-55	143,302	144,097	495	300	3,850	136,452	2,200	4,250	2,600
C 7	6-37	135,680	136,390	440	270	3,650	129,380	1,850	4,050	2,250
C 8	6-37	128,130	128,840	440	270	3,500	121,980	1,850	3,900	2,250
C 9	6-37	120,666	121,376	440	270	3,300	114,716	1,850	3,700	2,250
C10	6-37	113,303	114,013	440	270	3,100	107,553	1,850	3,500	2,250
C11	6-37	106,067	106,777	440	270	2,900	100,517	1,850	3,300	2,250
C12	6-31	98,984	99,644	410	250	2,700	93,784	1,700	3,100	2,100
C13	6-31	92,091	92,751	410	250	2,550	86,941	1,800	2,950	2,200
C14	6-27	85,432	86,092	410	250	2,450	80,282	1,900	2,850	2,300
C15	6-27	79,070	79,730	410	250	2,300	73,920	2,050	2,700	2,450
C16	6-27	73,000	73,660	410	250	2,100	67,800	2,300	2,500	2,700
C17	6-27	67,308	67,968	410	250	2,100	61,758	2,650	2,500	3,050
C18	6-27	62,018	62,678	410	250	2,100	55,818	3,300	2,500	3,700
C19	6-27	56,994	57,654	410	250	2,100	49,644	4,450	2,500	4,850
C20	6-27	54,939	55,599	410	250	2,100	40,739	11,300	2,500	11,700

(Unit : mm)

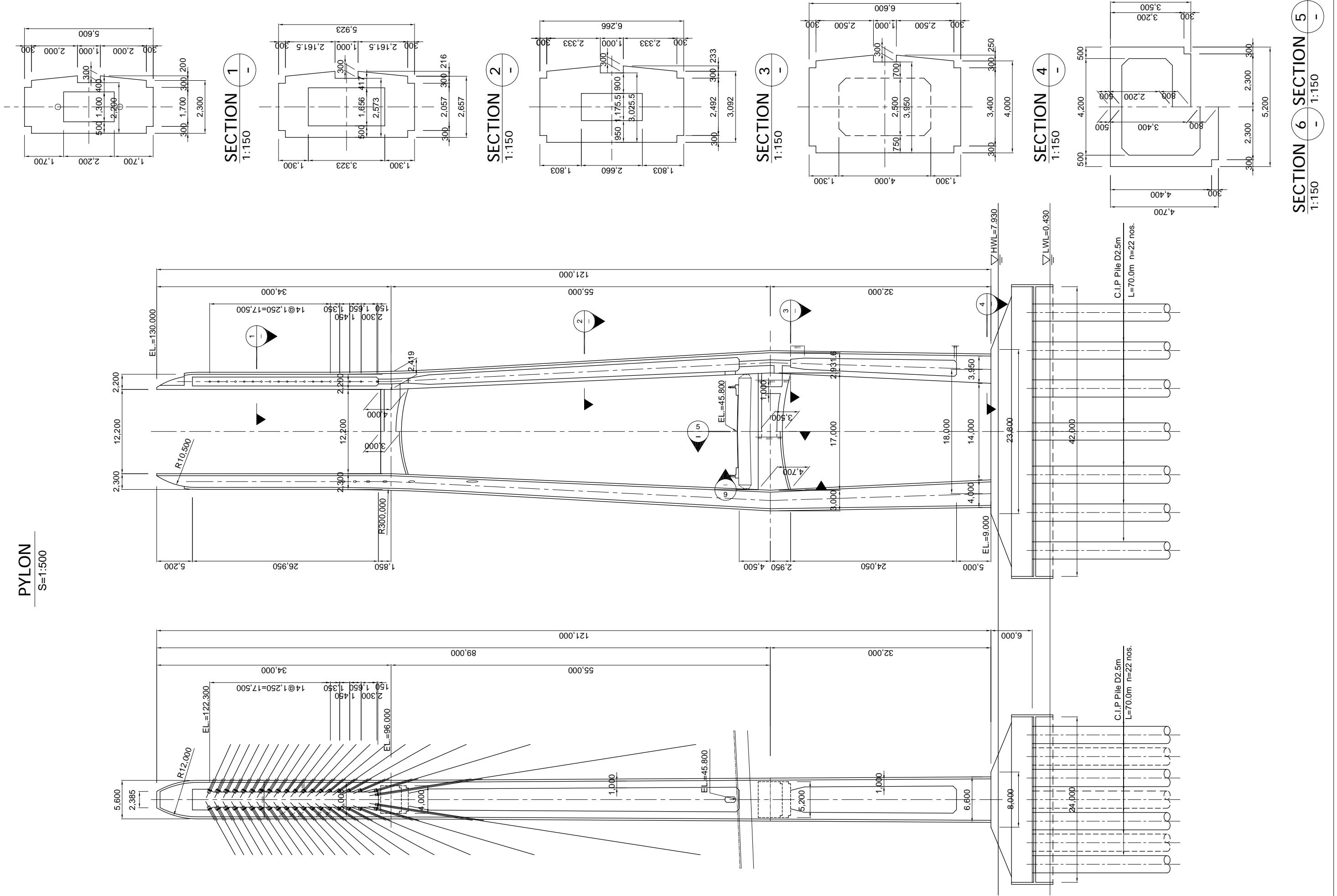
Cable No.	Anchorage Unit	Cable Length						Guide Pipe		
		L 0	L 1	L 2	L 3	L 4	L 5	L 6	Deck	Pylon
C21	6-27	54,140	54,800	410	250	2,100	40,140	11,100	2,500	11,500
C22	6-27	55,636	56,296	410	250	2,100	48,386	4,350	2,500	4,750
C23	6-27	60,154	60,814	410	250	2,100	54,054	3,200	2,500	3,600
C24	6-27	64,969	65,628	410	250	2,100	59,519	2,550	2,500	2,950
C25	6-27	70,250	70,910	410	250	2,100	65,150	2,200	2,500	2,600
C26	6-27	75,968	76,628	410	250	2,150	71,018	2,000	2,550	2,400
C27	6-27	82,041	82,701	410	250	2,350	77,041	1,850	2,750	2,250
C28	6-27	88,461	89,121	410	250	2,550	83,361	1,750	2,950	2,150
C29	6-31	95,158	95,818	410	250	2,700	90,008	1,650	3,100	2,050
C30	6-31	102,078	102,738	410	250	2,850	96,828	1,600	3,250	2,000
C31	6-31	109,179	109,839	410	250	3,000	103,779	1,600	3,400	2,000
C32	6-37	116,428	117,138	440	270	3,200	110,578	1,850	3,600	2,250
C33	6-37	123,798	124,508	440	270	3,400	117,748	1,850	3,800	2,250
C34	6-37	131,270	131,980	440	270	3,600	125,020	1,850	4,000	2,250
C35	6-37	138,828	139,538	440	270	3,750	132,428	1,850	4,150	2,250
C36	6-55	146,460	147,255	495	300	3,950	139,510	2,200	4,350	2,600
C37	6-55	154,153	154,948	495	300	4,150	147,003	2,200	4,550	2,600
C38	6-55	161,900	162,695	495	300	4,400	154,500	2,200	4,800	2,600
C39	6-55	169,693	170,488	495	300	4,650	162,043	2,200	5,050	2,600
C40	6-55	177,528	178,323	495	300	4,850	169,678	2,200	5,250	2,600



MINISTRY OF PUBLIC WORKS AND TRANSPORT (MPWT)	THE PROJECT FOR CONSTRUCTION OF NEAK LOEUNG BRIDGE IN THE KINGDOM OF CAMBODIA	JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	TITLE	SCALE	DATE	DRAWING NO.
			GENERAL VIEW OF STAY CABLE	-	June/09	000

# GENERAL VIEW OF PYLON (1)

**PYLON**  
S=1:500



MINISTRY OF PUBLIC WORKS  
AND TRANSPORT (MPWT)

THE PROJECT FOR CONSTRUCTION OF NEAK LOEUNG BRIDGE  
IN THE KINGDOM OF CAMBODIA

JAPAN INTERNATIONAL  
COOPERATION AGENCY (JICA)

TITLE  
GENERAL VIEW OF PYLON (1)

SCALE	DATE	DRAWING NO.
-	June/09	000

SECTION 1  
1:150

SECTION 2  
1:150

SECTION 3  
1:150

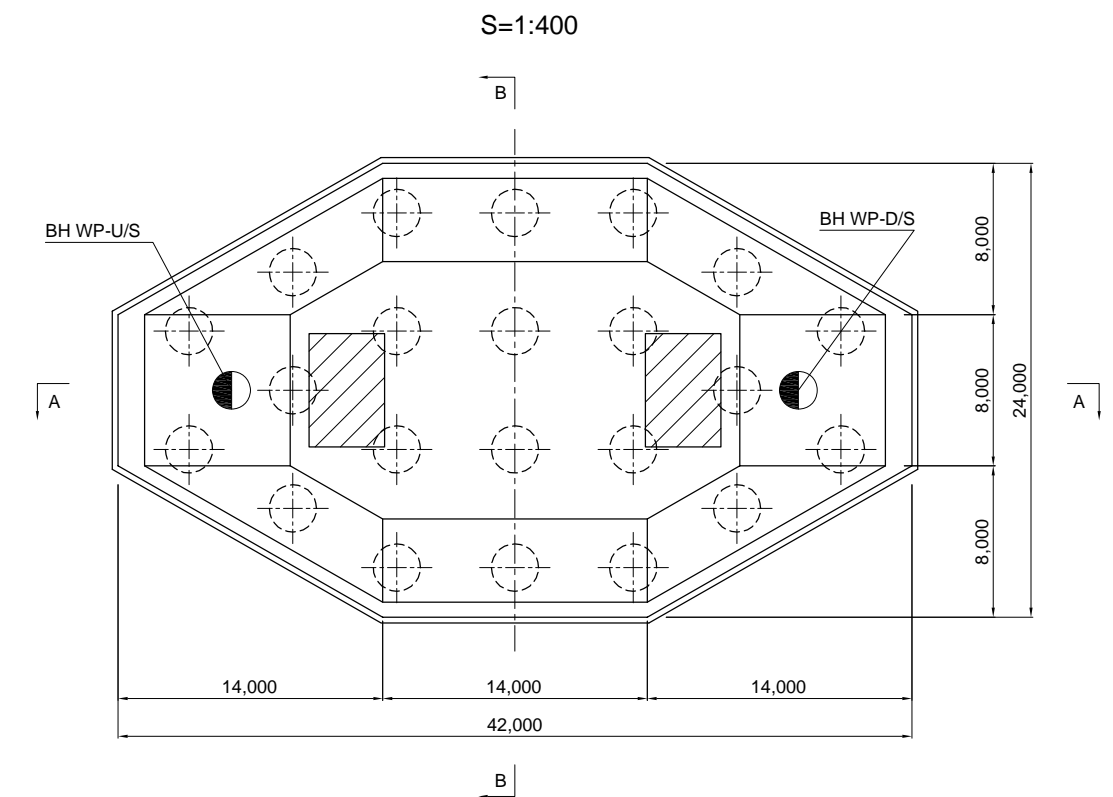
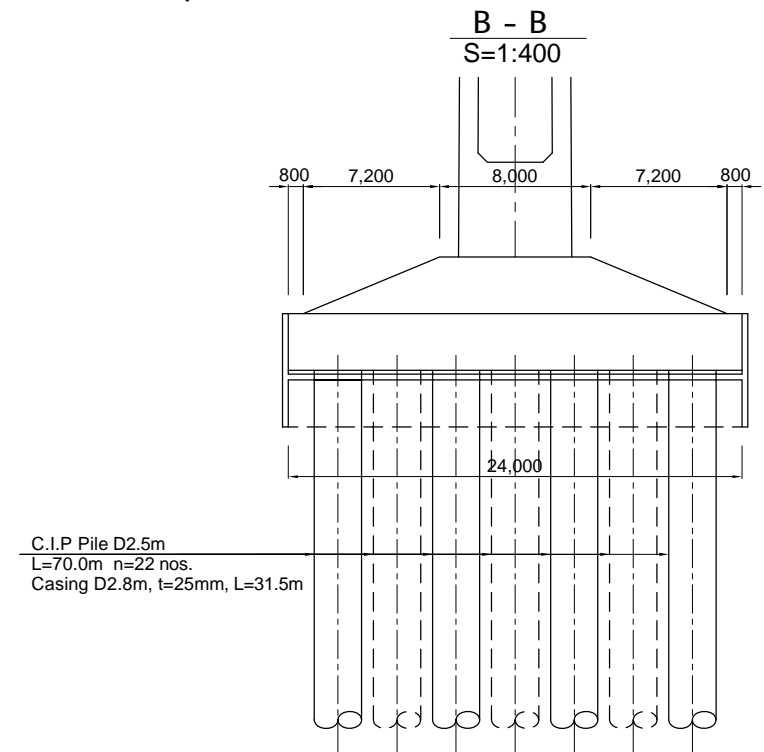
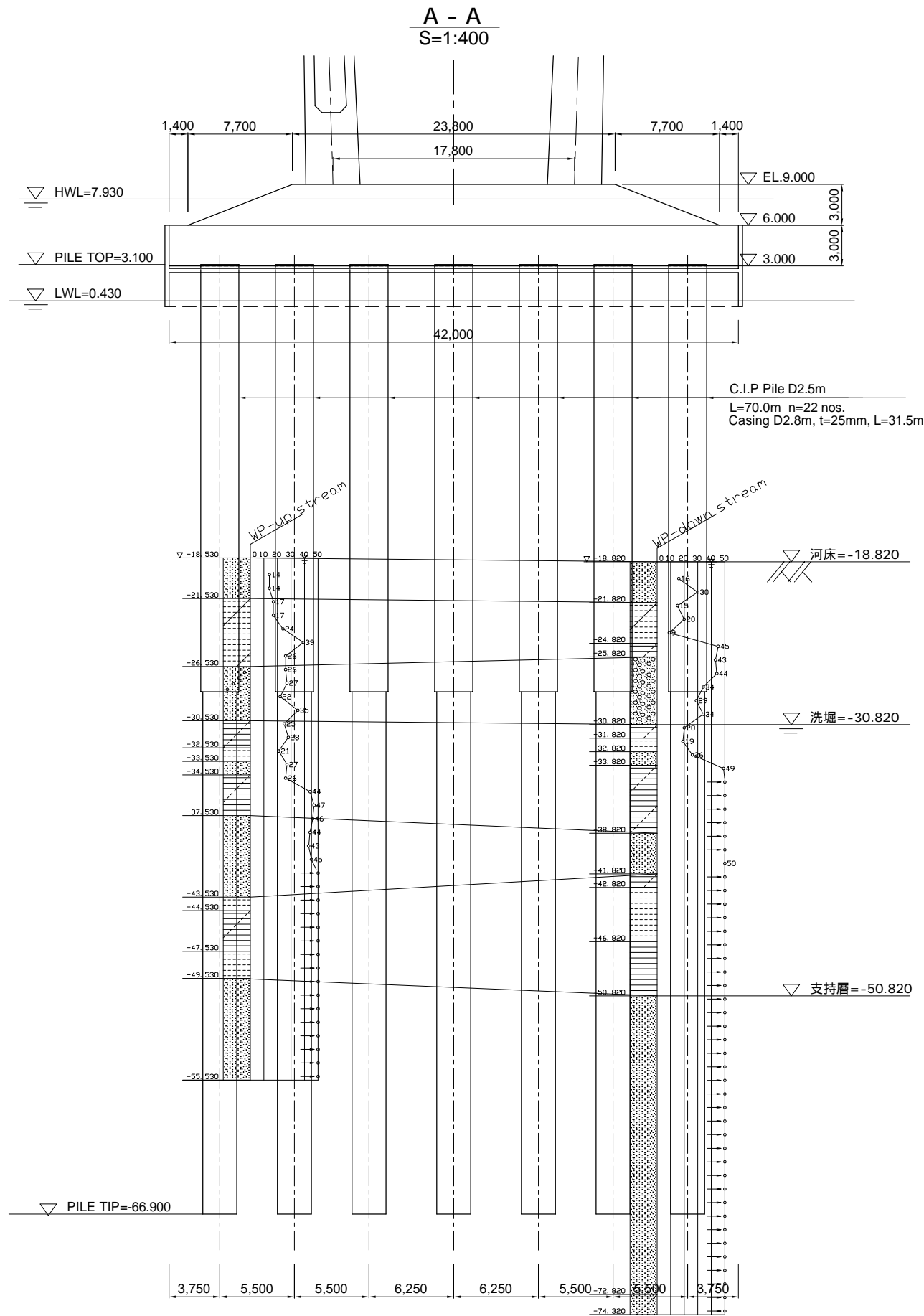
SECTION 4  
1:150

SECTION 5  
1:150

SECTION 6  
1:150



# GENERAL VIEW OF FOUNDATION (WEST PYLON)

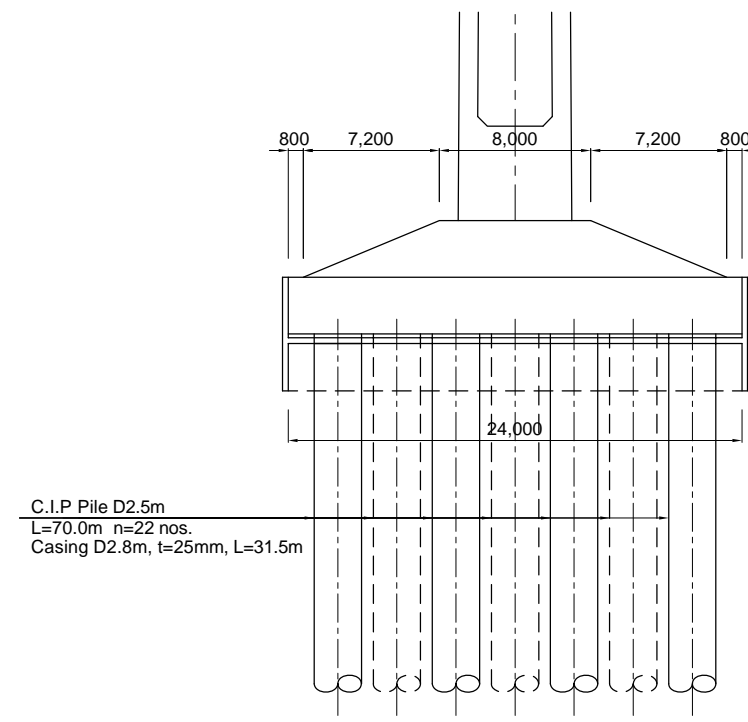
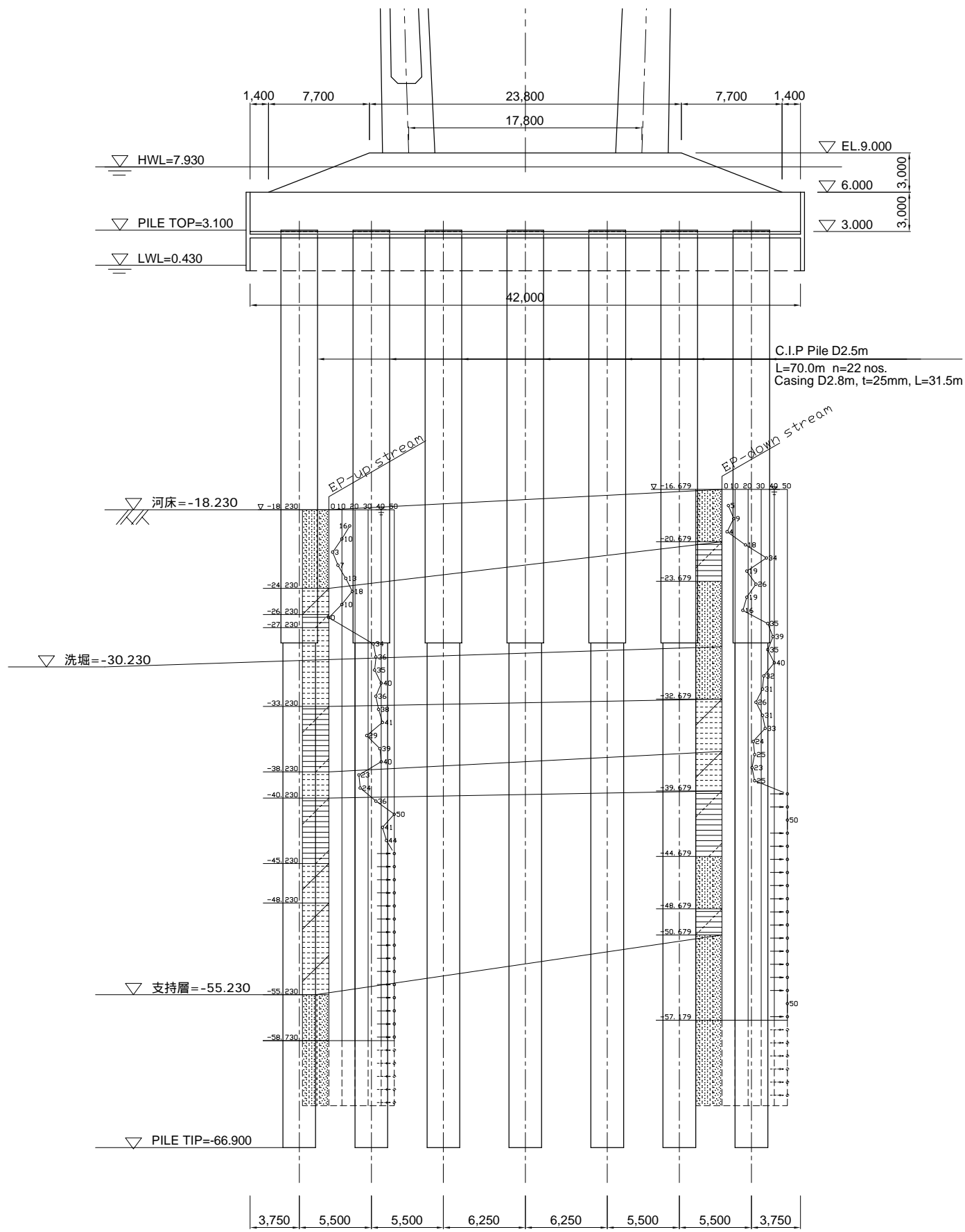


MINISTRY OF PUBLIC WORKS AND TRANSPORT (MPWT)	THE PROJECT FOR CONSTRUCTION OF NEAK LOEUNG BRIDGE IN THE KINGDOM OF CAMBODIA	JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	TITLE	SCALE	DATE	DRAWING NO.
			GENERAL VIEW OF FOUNDATION (WEST PYLON)	-	May/09	000

# GENERAL VIEW OF FOUNDATION (EAST PYLON)

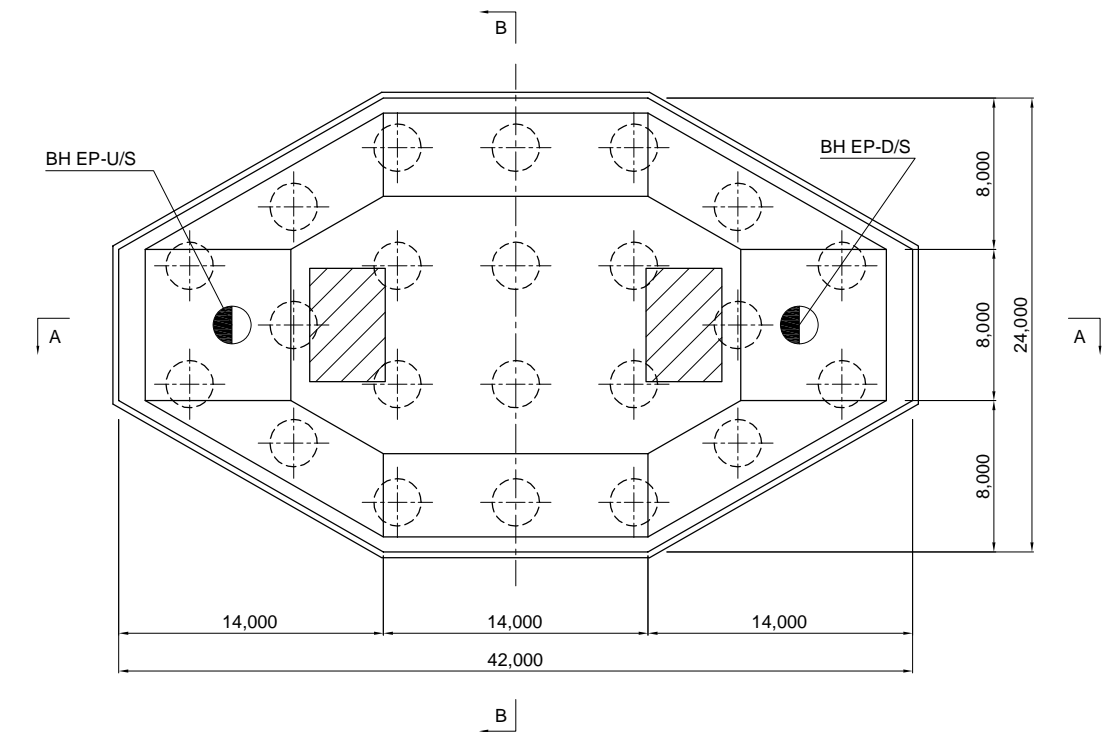
**A - A**  
S=1:400

**B - B**  
S=1:400

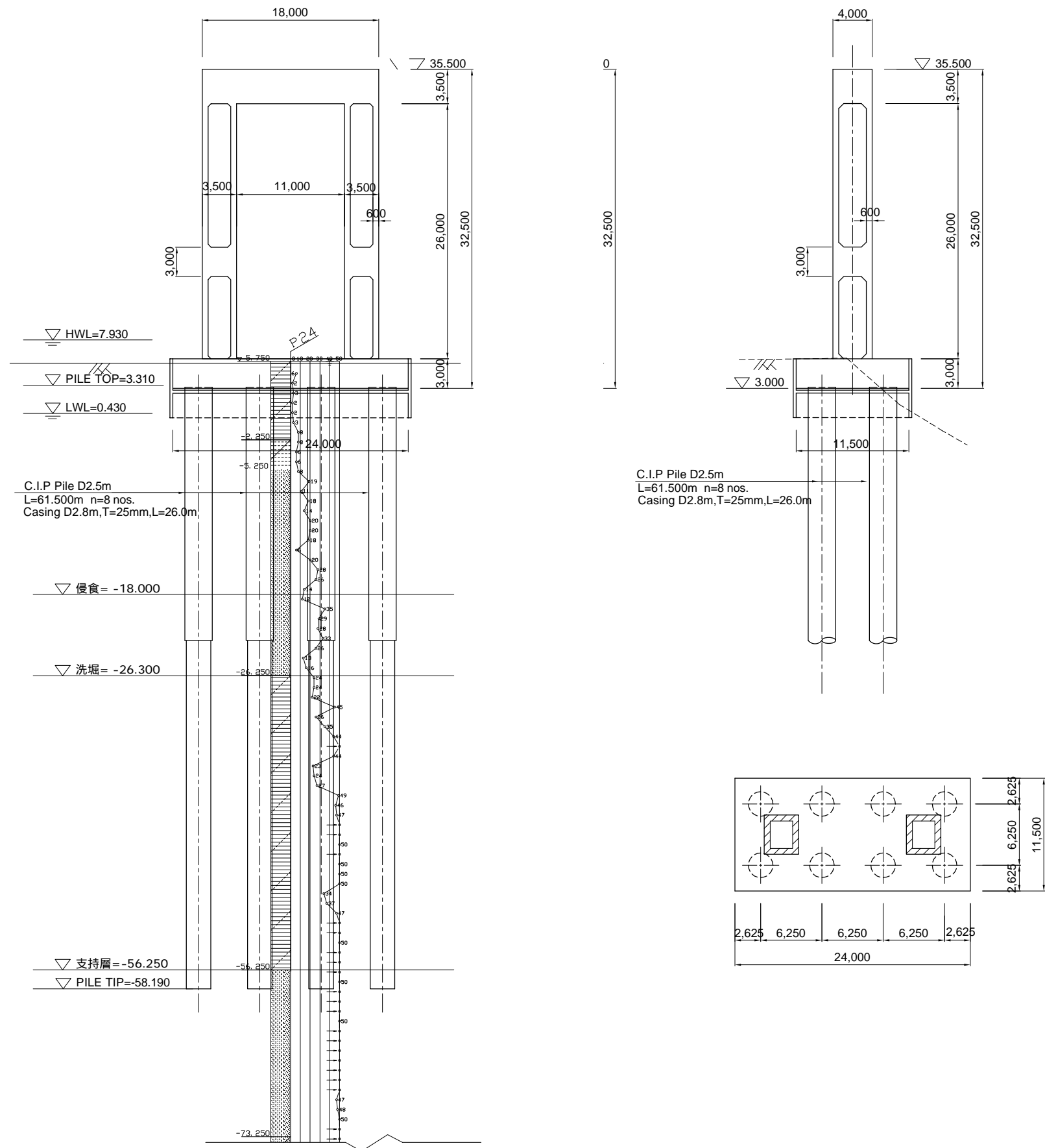


C.I.P. Pile D2.5m  
 L=70.0m n=22 nos.  
 Casing D2.8m, t=25mm, L=31.5m

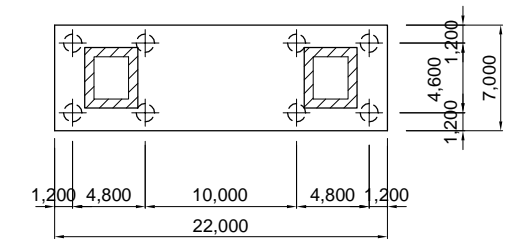
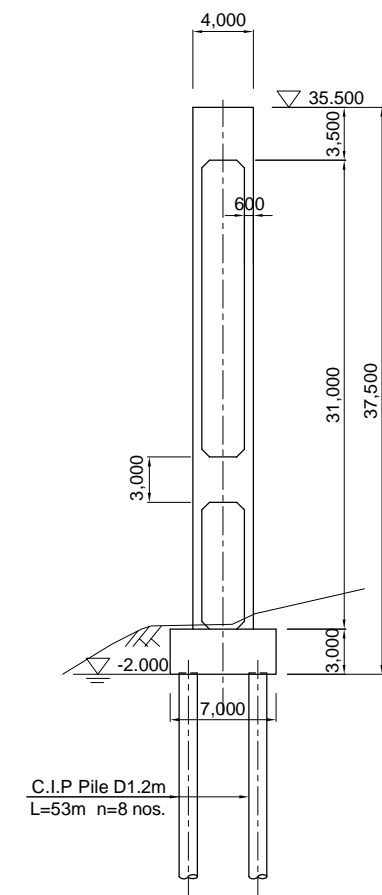
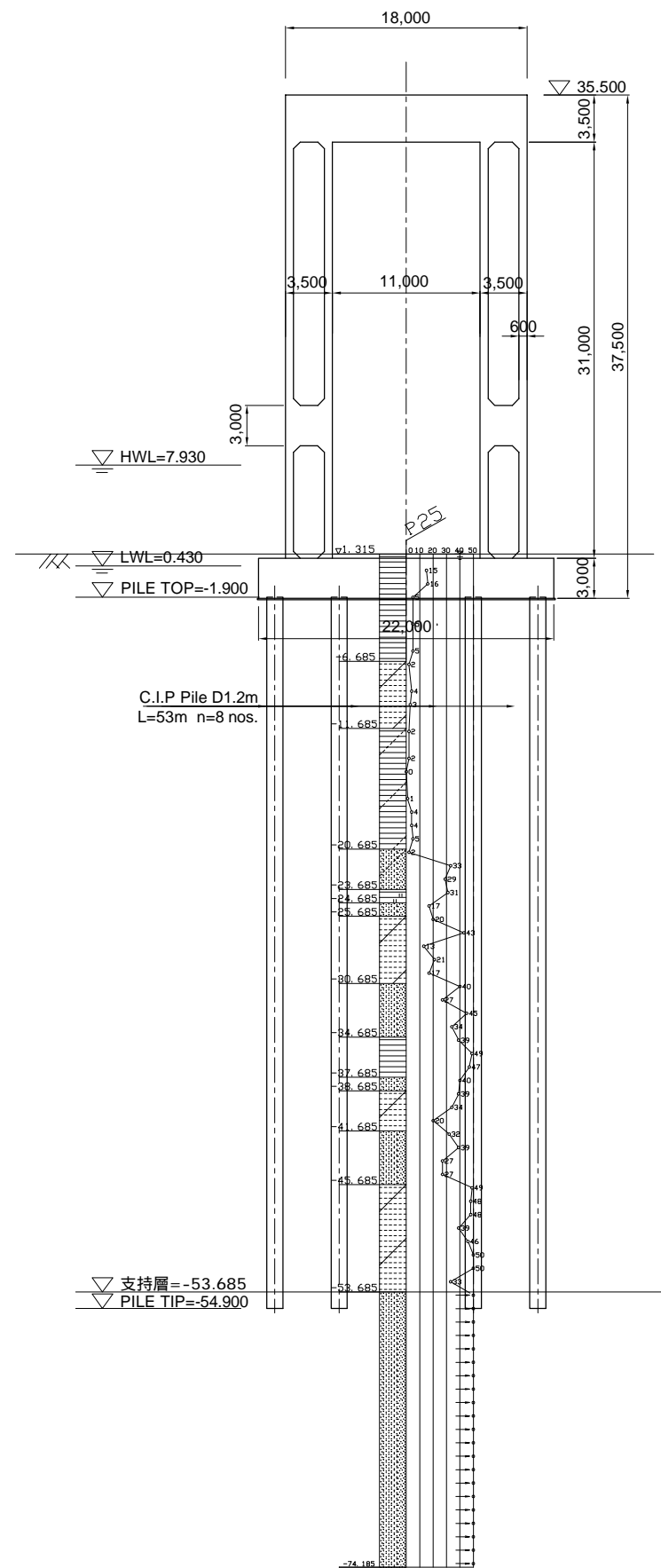
S=1:400



GENERAL VIEW OF SUBSTRUCTURE AND FOUNDATION (P20) S=1:500



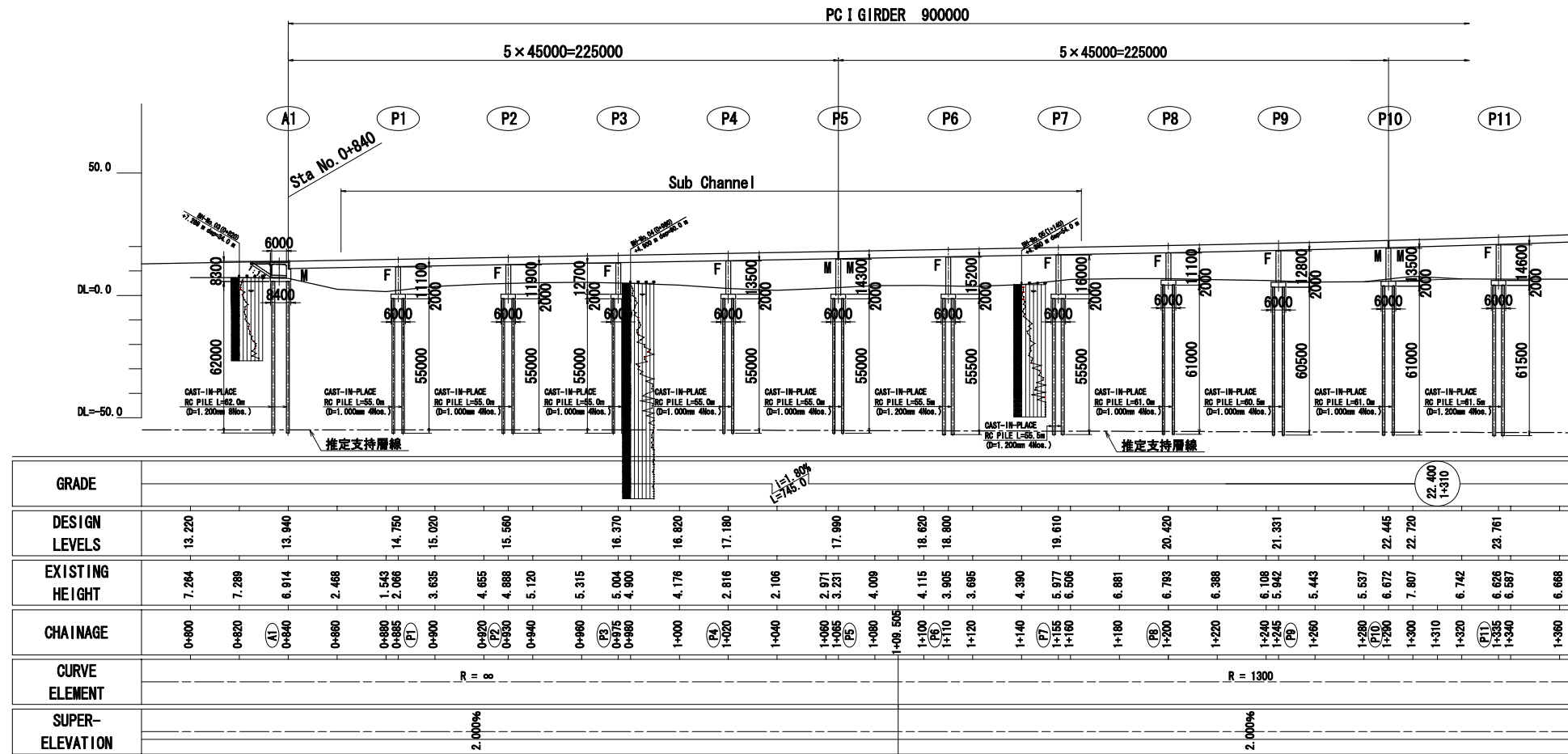
GENERAL VIEW OF SUBSTRUCTURE AND FOUNDATION (P21) S=1:500



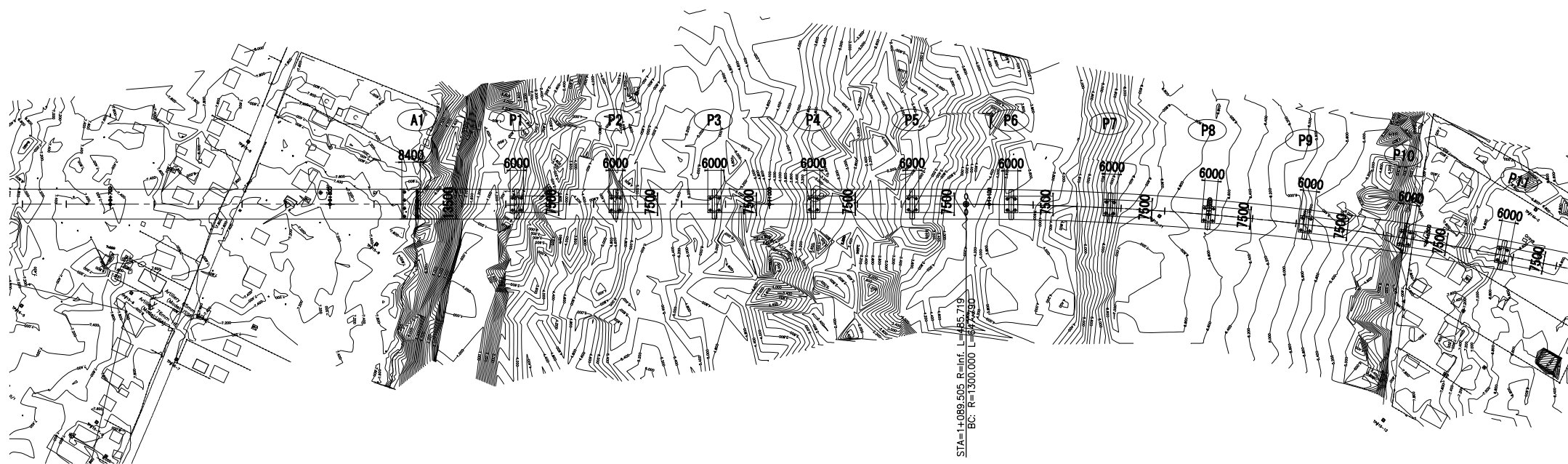
MINISTRY OF PUBLIC WORKS AND TRANSPORT (MPWT)	THE PROJECT FOR CONSTRUCTION OF NEAK LOEUNG BRIDGE IN THE KINGDOM OF CAMBODIA	JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	TITLE	SCALE	DATE	DRAWING NO.
			GENERAL VIEW OF SUBSTRUCTURE AND FOUNDATION (P21)	-	May/09	000

PLAN AND PROFILE OF APPROACH BRIDGE(A1 to P10) [Temporary July 2009]

PROFILE S=1:2,500



PLAN S=1:2,500



PLAN AND PROFILE OF APPROACH BRIDGE(P10 to P20) [Temporary July 2009]

PROFILE S=1:2,500

