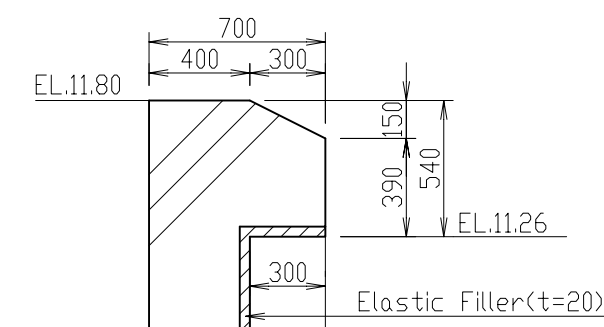
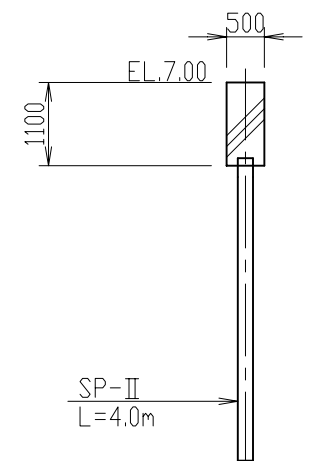
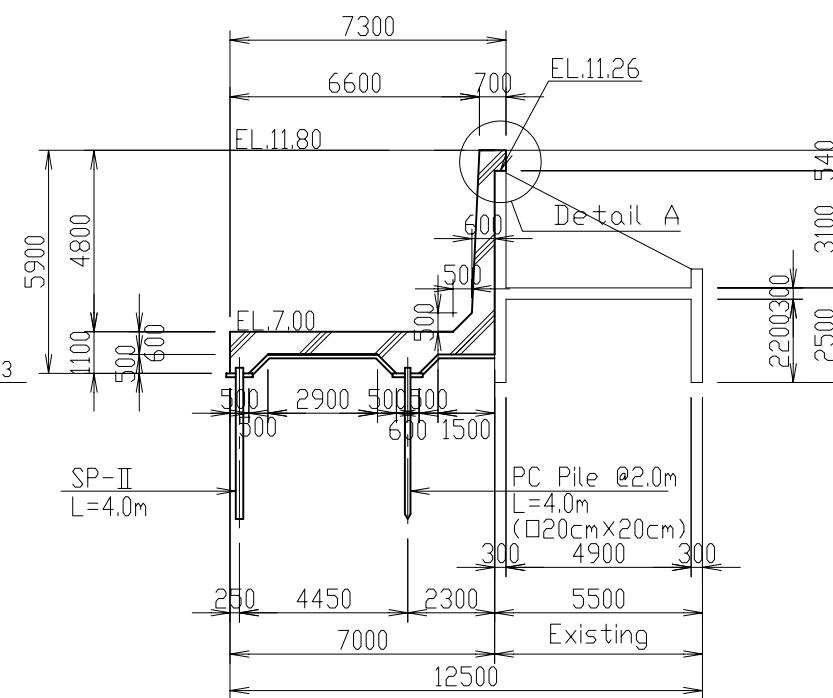
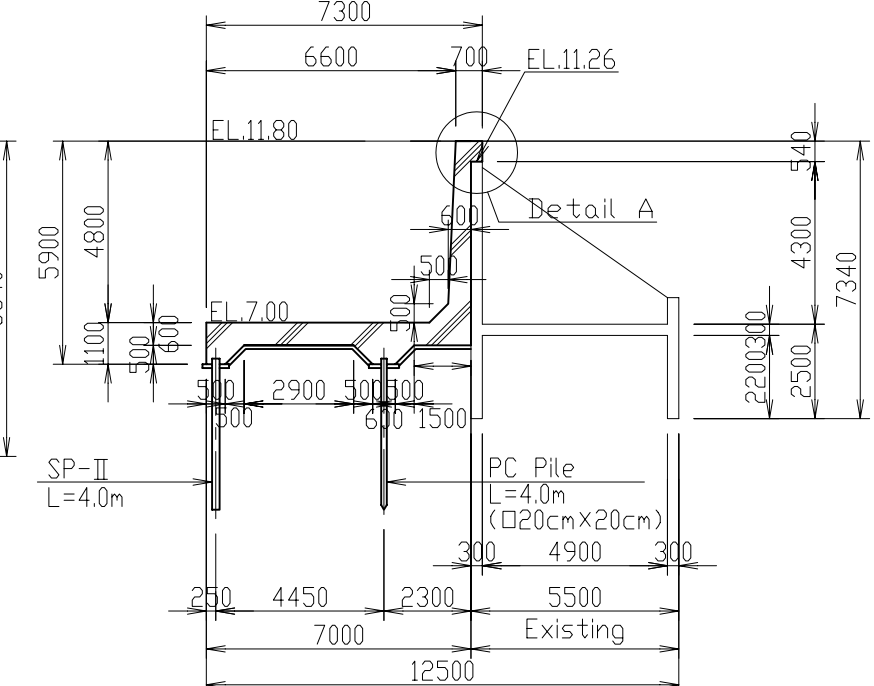
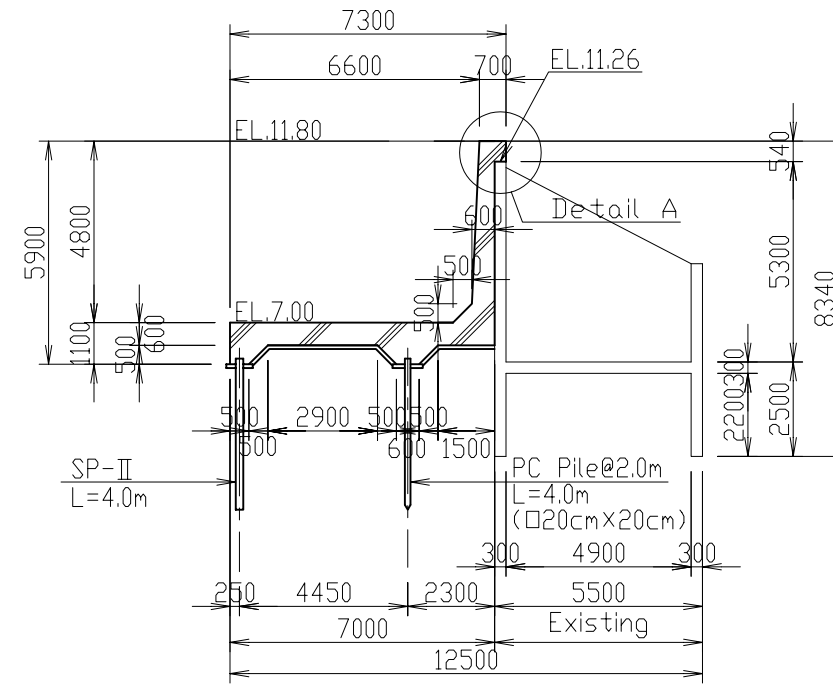
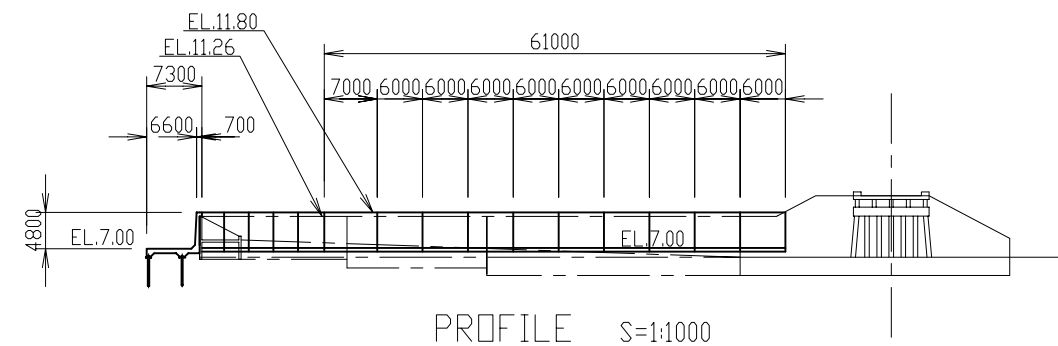
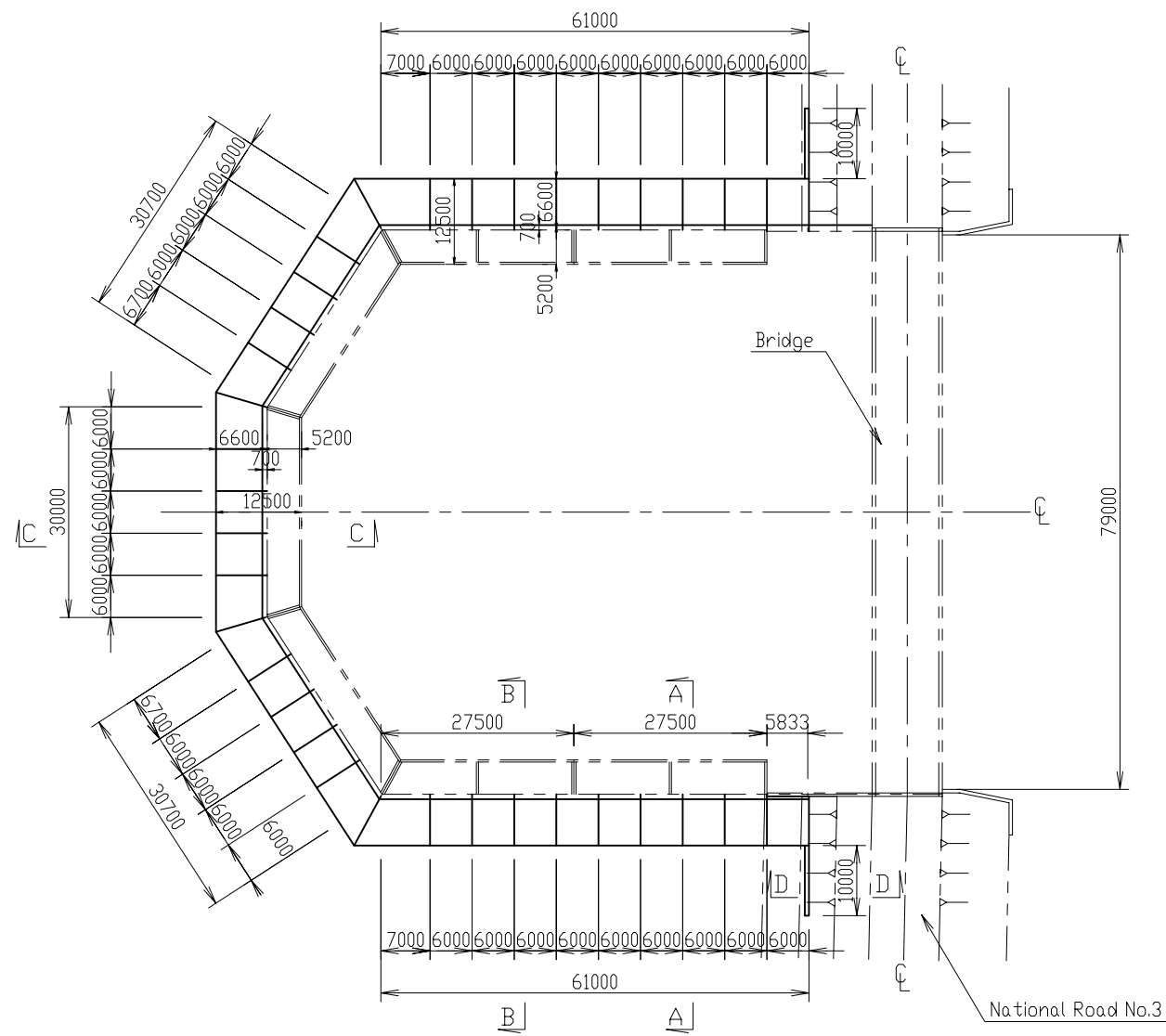
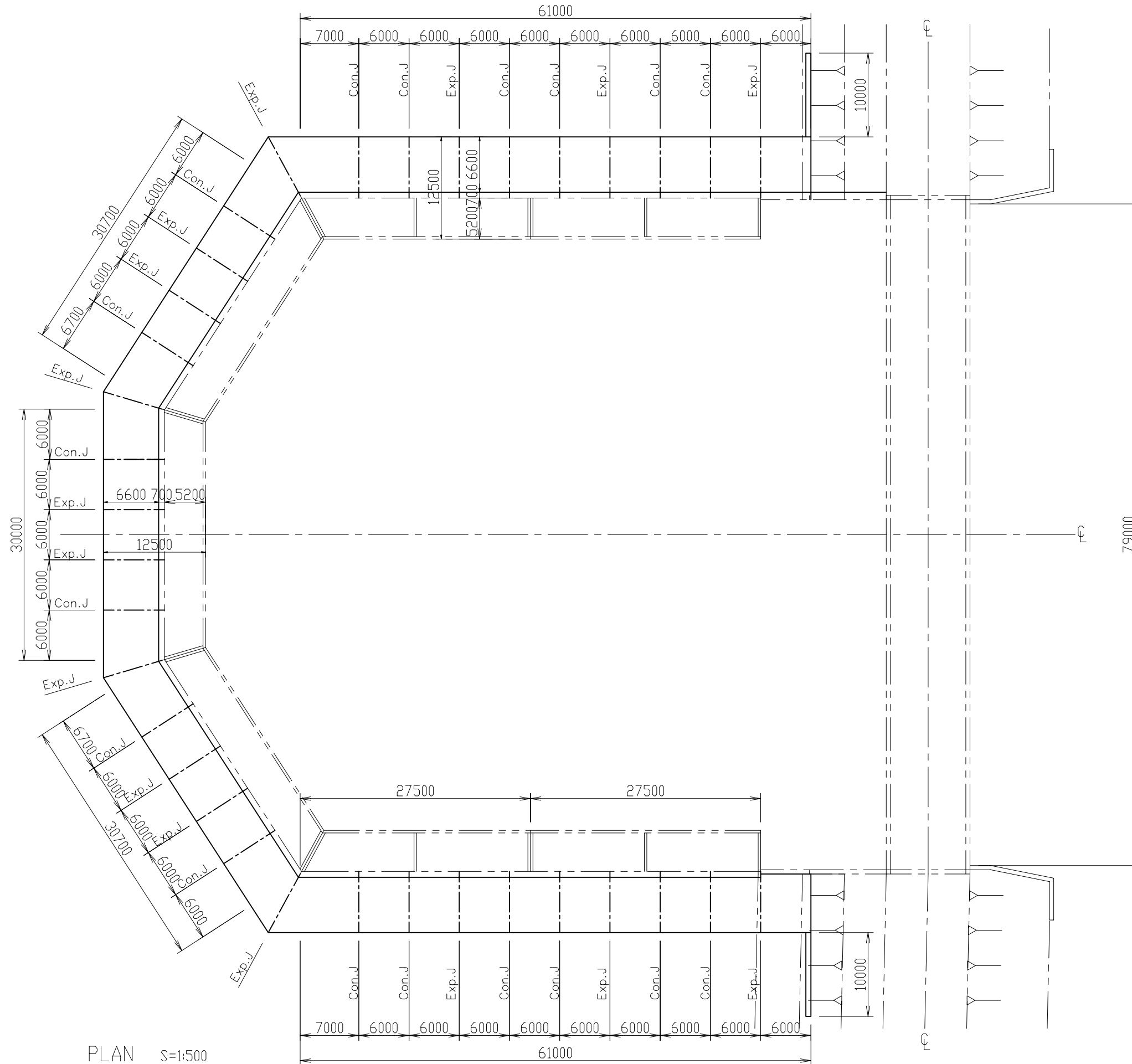


REHABILITATION OF 7TH JANUARY DAM (1/2)



THE KINGDOM OF CAMBODIA	
THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM	
TITLE OF DRAWING REHABILITATION OF EXISTING REGULATOR REHABILITATION OF 7TH JANUARY DAM(1/2)	
DATE	DRAWING NO. 3-1
NIPPON KOEI CO., LTD., JAPAN	

REHABILITATION OF 7TH JANUARY DAM (2/2)

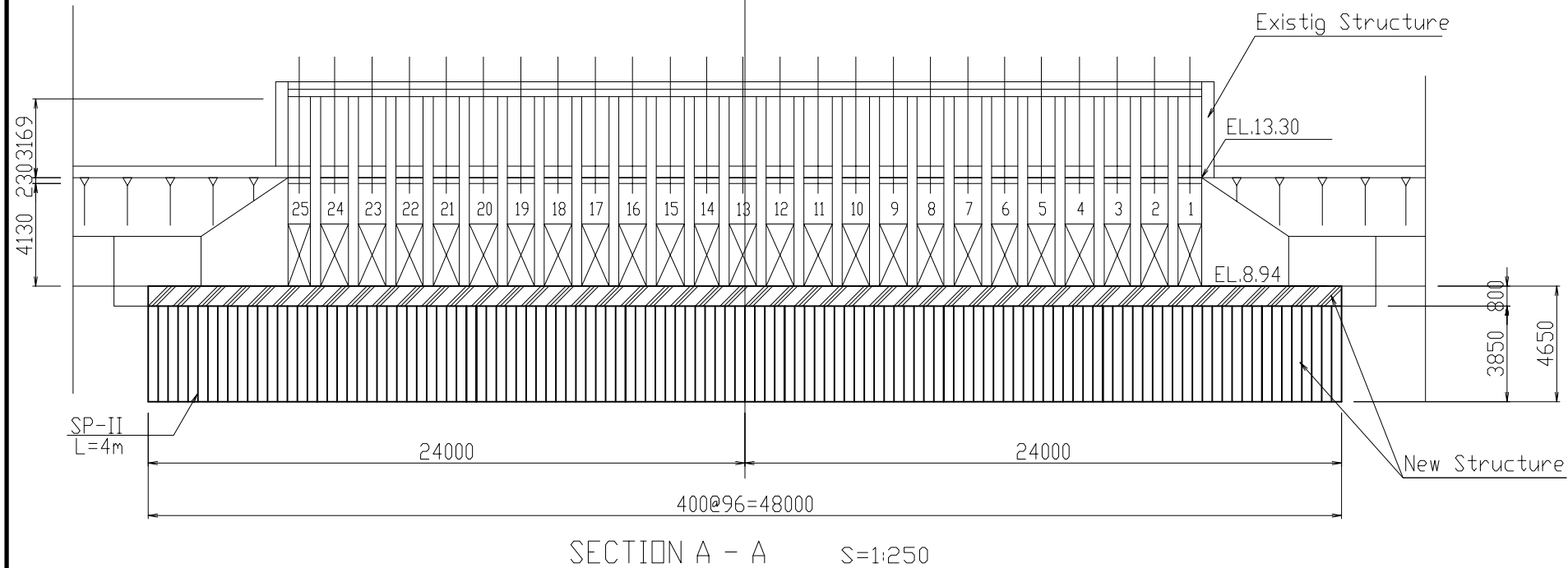
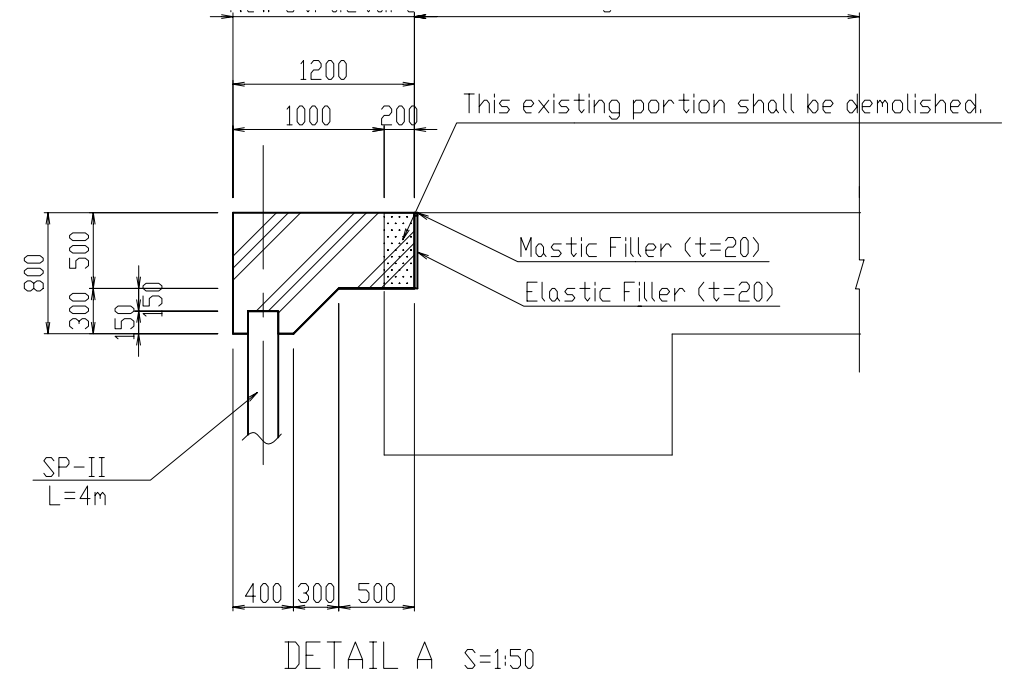
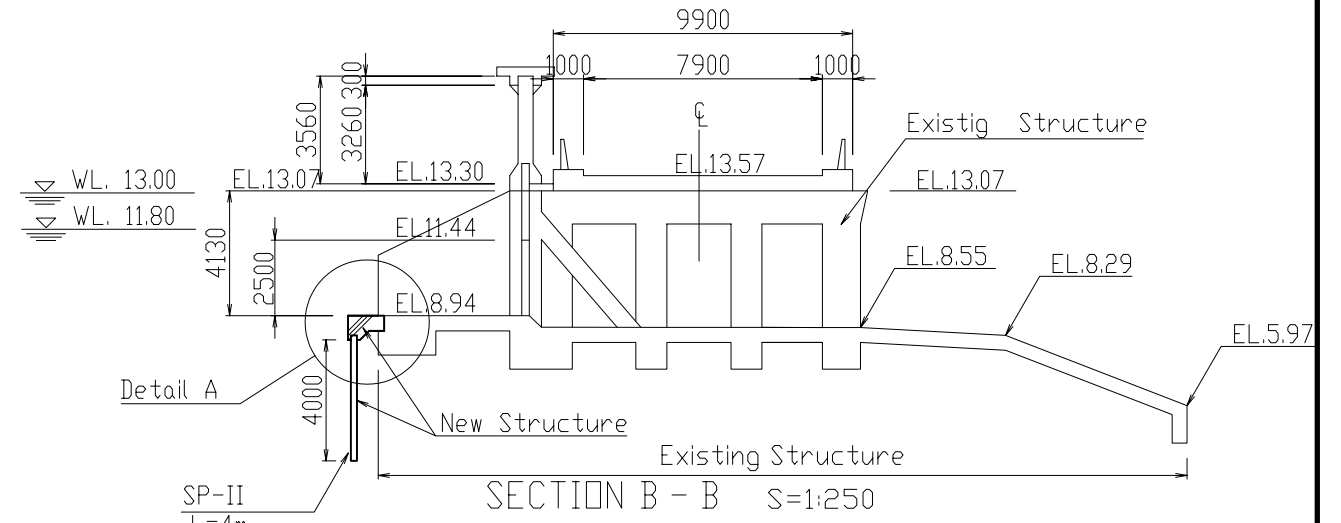
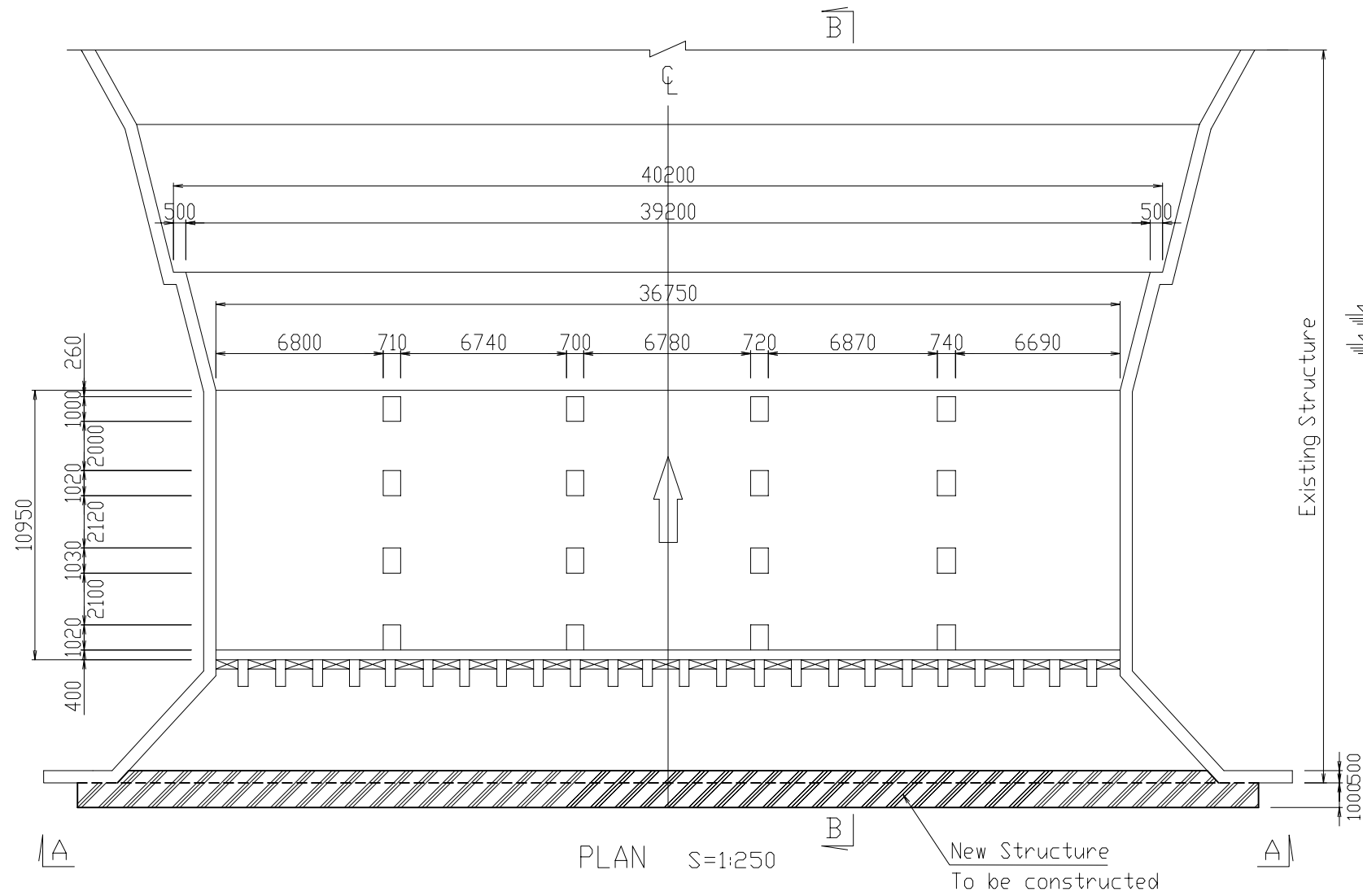


PLAN S=1:500

LEGEND
 Con.J : Contraction Joint
 Exp.J : Expansion Joint

THE KINGDOM OF CAMBODIA	
THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM	
TITLE OF DRAWING REHABILITATION OF EXISTING REGULATOR REHABILITATION OF 7TH JANUARY DAM(2/2)	
DATE	DRAWING NO. 3-2
NIPPON KOEI CO., LTD., JAPAN	

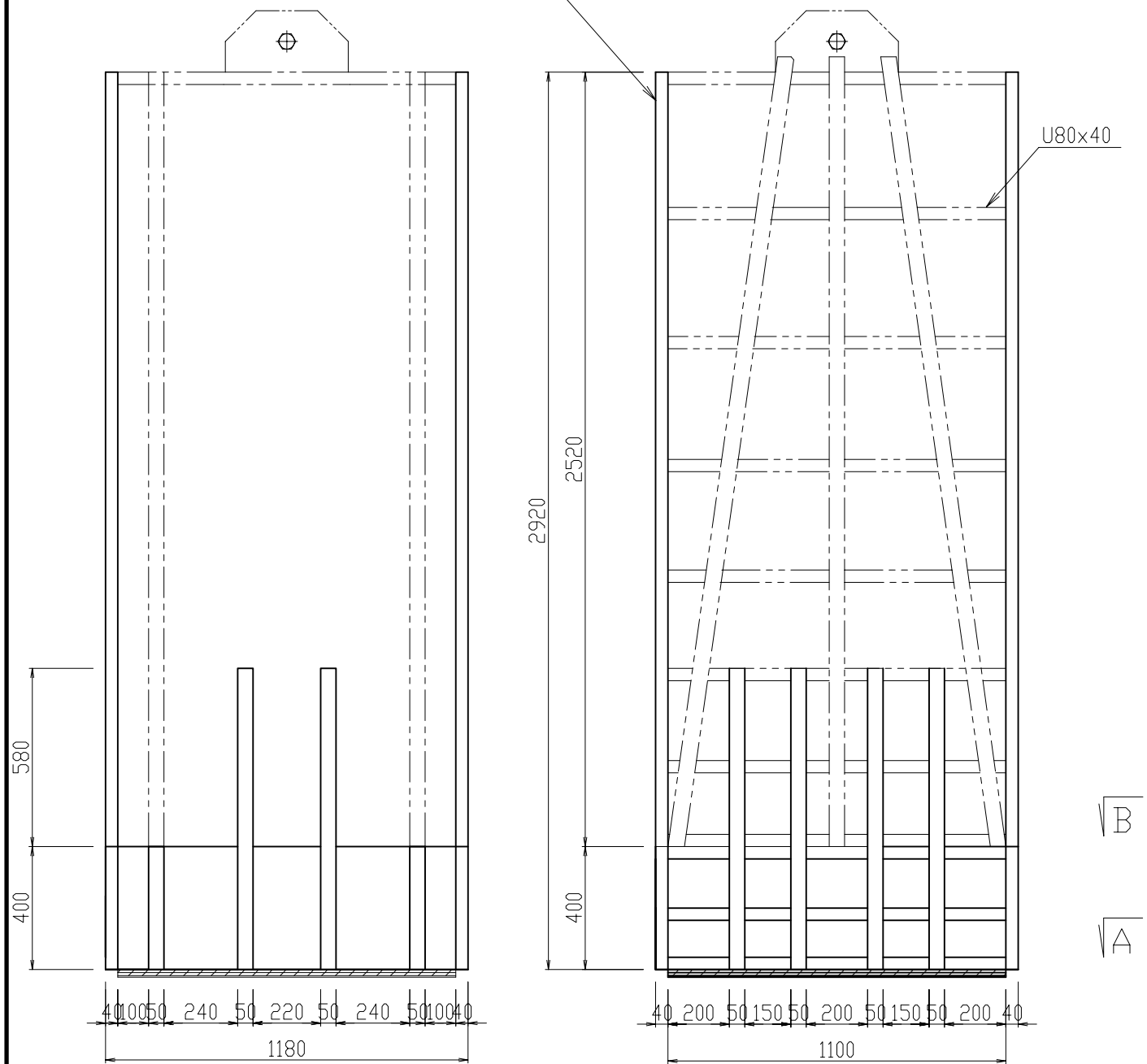
REHABILITATION OF TUK THLA REGURATOR (1/2)



THE KINGDOM OF CAMBODIA	
THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM	
TITLE OF DRAWING REHABILITATION OF EXISTING REGULATOR REHABILITATION OF TUK THLA REGURATOR(1/2)	
DATE	DRAWING NO. 3-3
NIPPON KOEI CO., LTD., JAPAN	

REHABILITATION OF TUK THLA REGURATOR(2/2)

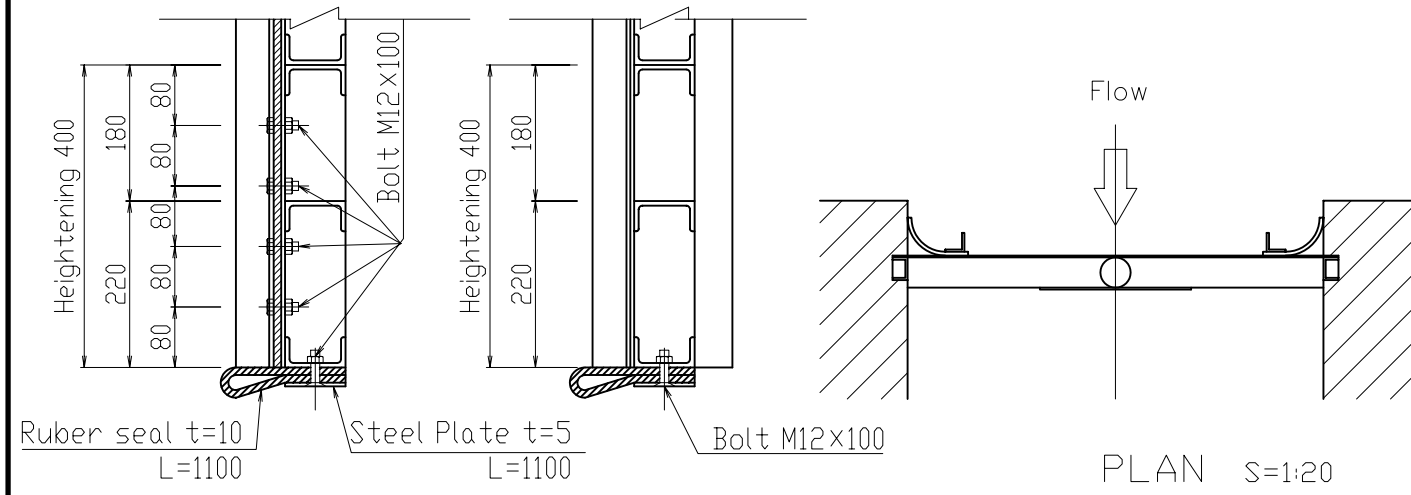
Original Guide Frame (U60x40) shall be replaced with a new one.



FRONT VIEW S=1:20

REAR VIEW S=1:20

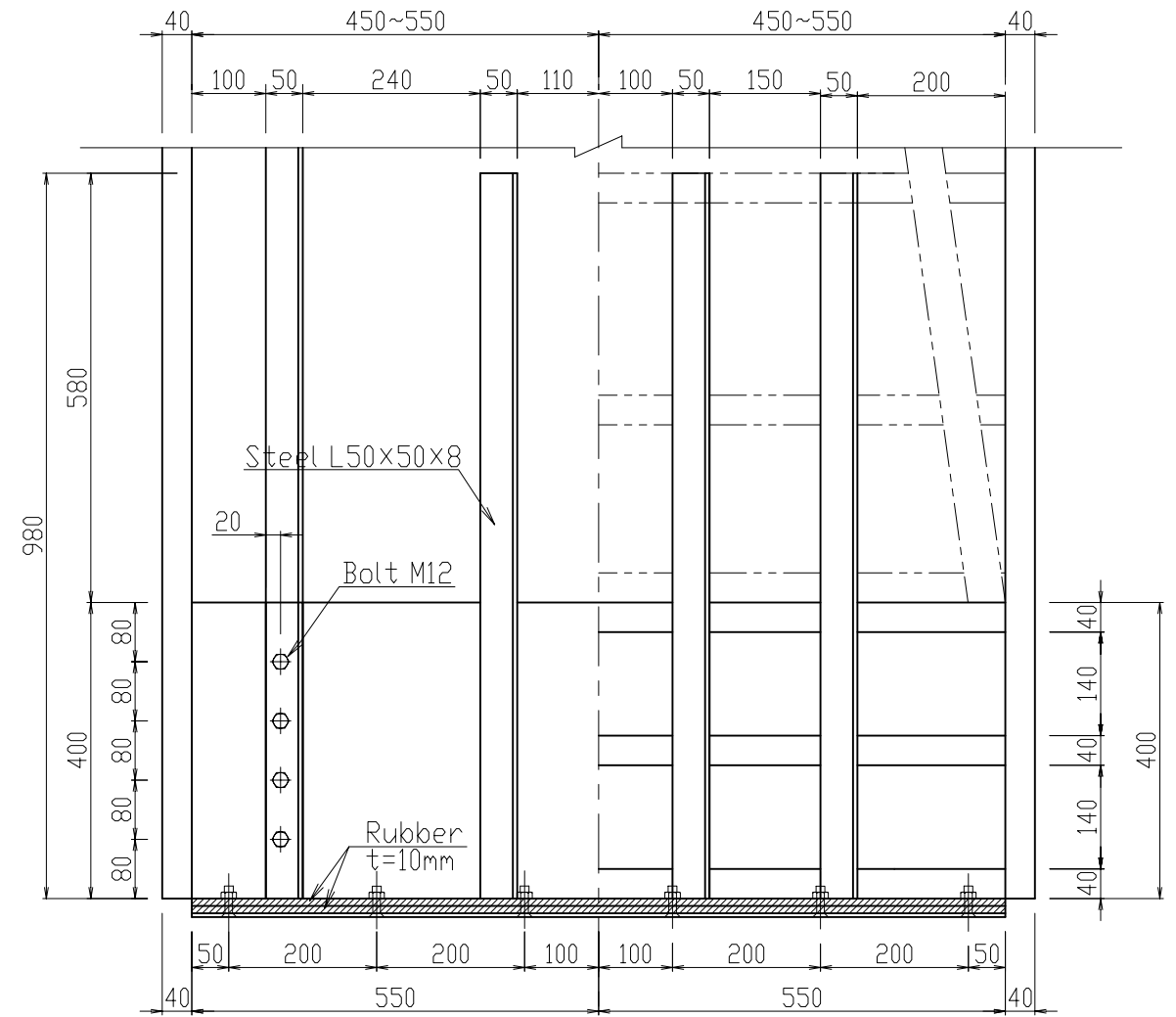
SECTION S=1:20



SECTION C - C S=1:10

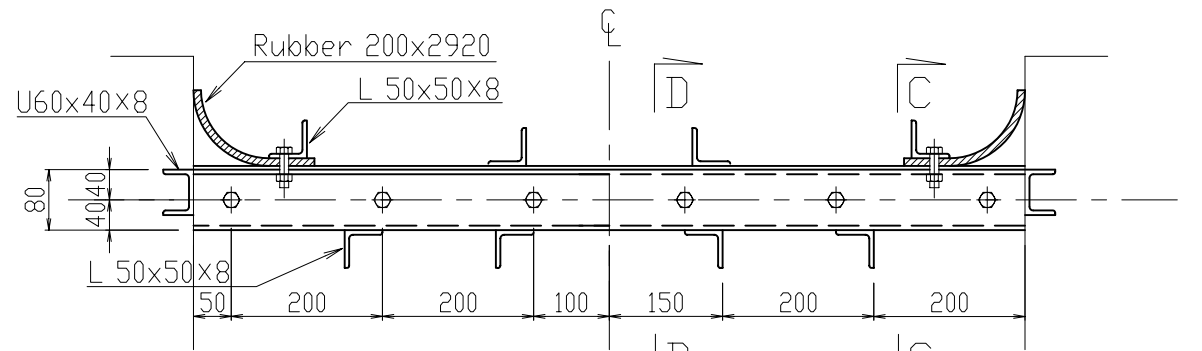
SECTION D - D S=1:10

PLAN S=1:20



DETAIL OF FRONT VIEW S=1:10

DETAIL OF REAR VIEW S=1:10



SECTION A - A S=1:10

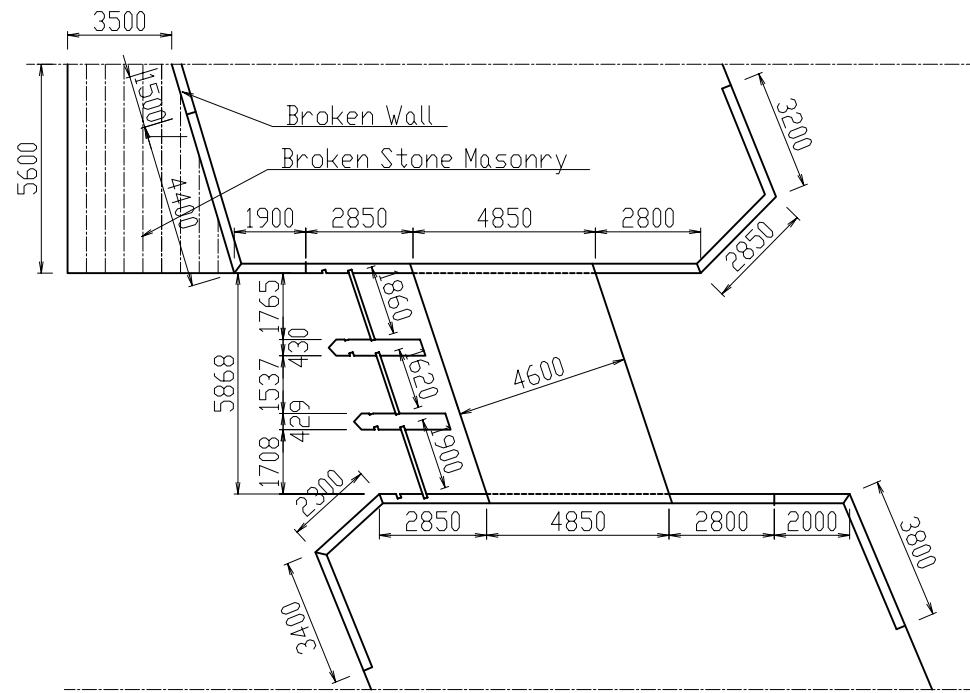
SECTION B - B S=1:10

- Note :1) Unless otherwise specified, SS 400 shall be used for steel works.
 2) The original rubber material shall be replaced with new one.
 3) Painting shall be made for the original gate leaves and new ones.
 4) The heightening of gate (400mm) shall be adjusted in order to set the top elevation of each gate as EL. 11.80m.
 5) The inside widths of the existing leaves vary between 0.9m and 1.1m. The respective gate leaves shall be rehabilitated based on this drawing.

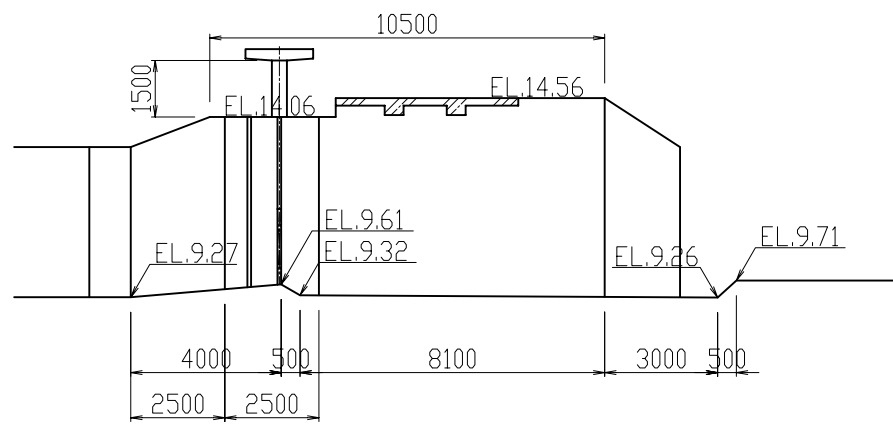
THE KINGDOM OF CAMBODIA	
THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM	
TITLE OF DRAWING REHABILITATION OF EXISTING REGULATOR REHABILITATION OF TUK THLA REGURATOR(2/2)	
DATE	DRAWING NO. 3-4
NIPPON KOEI CO., LTD., JAPAN	

REHABILITATION OF DEUM RUSS REGULATOR(1/2)

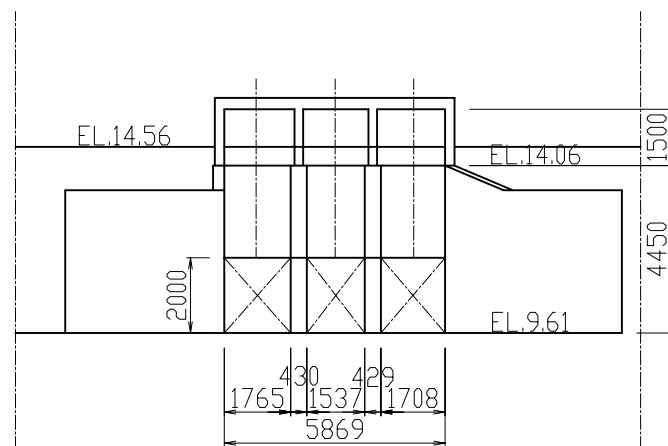
EXISTING DEUM RUSS REGULATOR



PLAN S=1:200

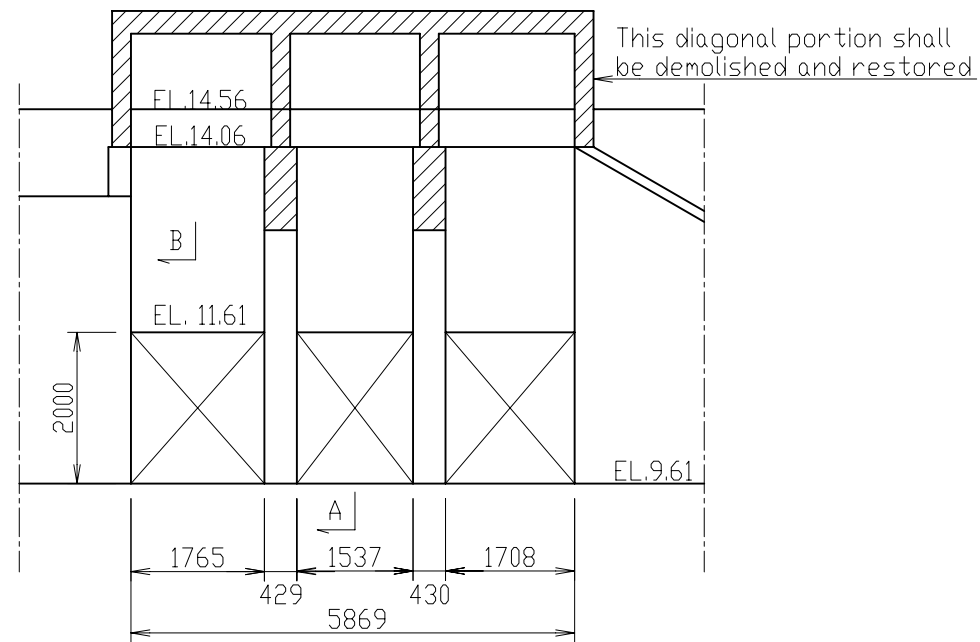


PROFILE S=1:200



FRONT VIEW S=1:200

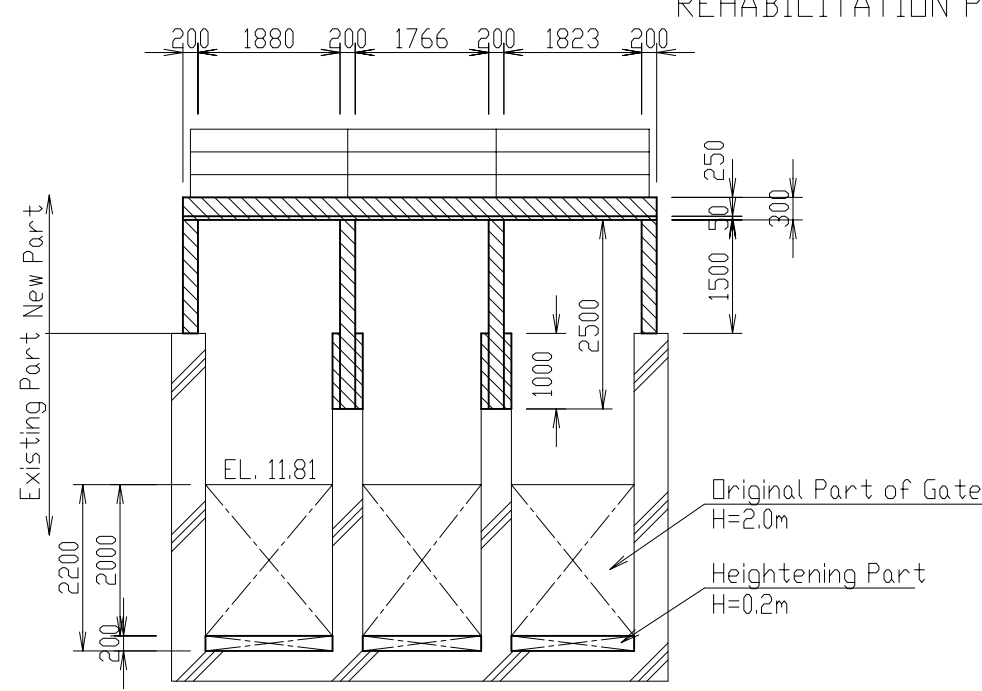
B A



FRONT VIEW S=1:100

Note: The top of the three existing gates (EL.11.61) shall be heightened to EL.11.80m.
 Gate Height
 Existing Gate: 2.00m
 After rehabilitation: 2.20m

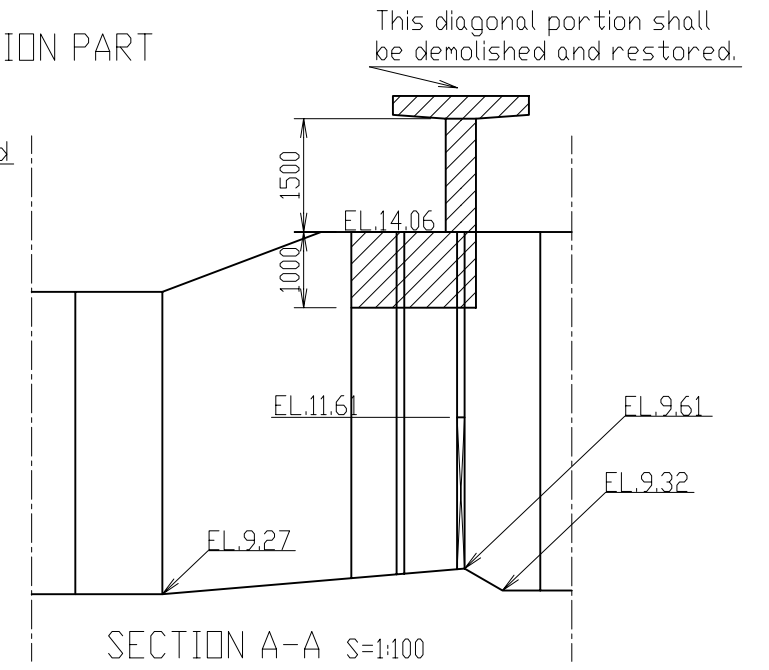
D C



FRONT VIEW S=1:100

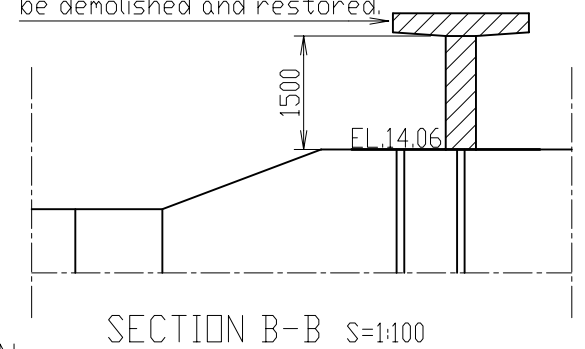
Note: 1) The broken wall at left bank of upstream shall be demolished and restored. After restored: L-Type Wall H=Approx.5.0 m, L=5.0m, t=250mm
 2) The broken stone masonry at left bank of upstream shall be repaired.

DEMOLITION PART

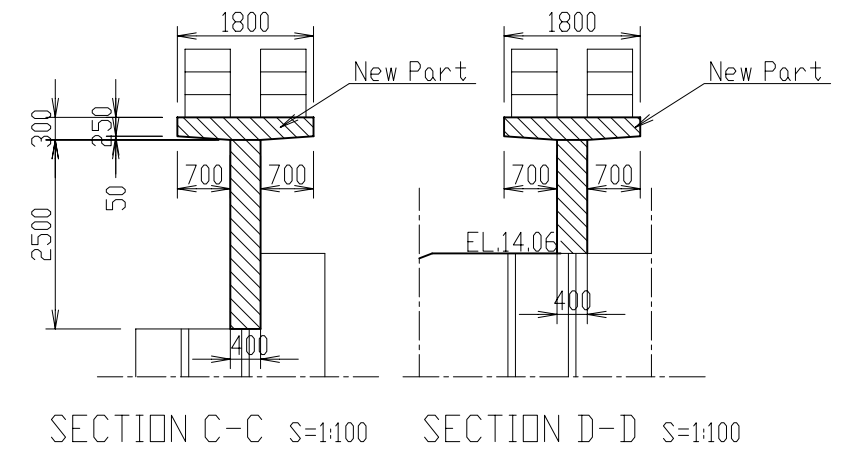


SECTION A-A S=1:100

This diagonal portion shall be demolished and restored.



SECTION B-B S=1:100

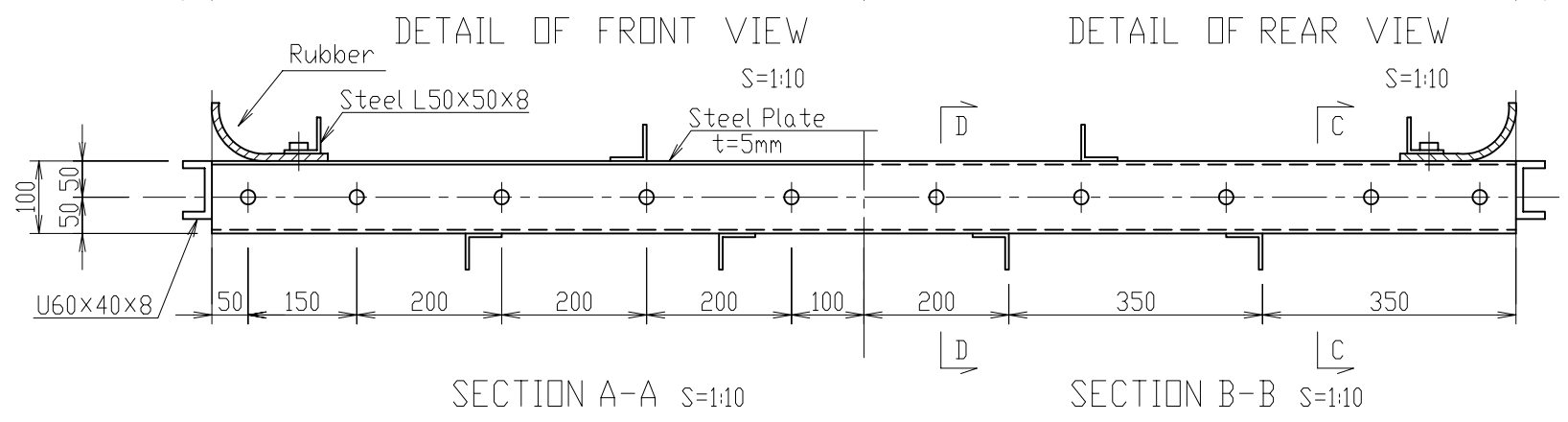
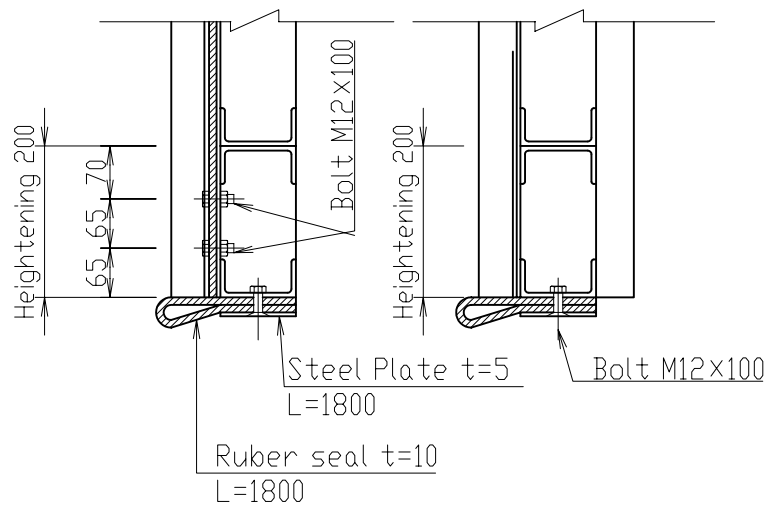
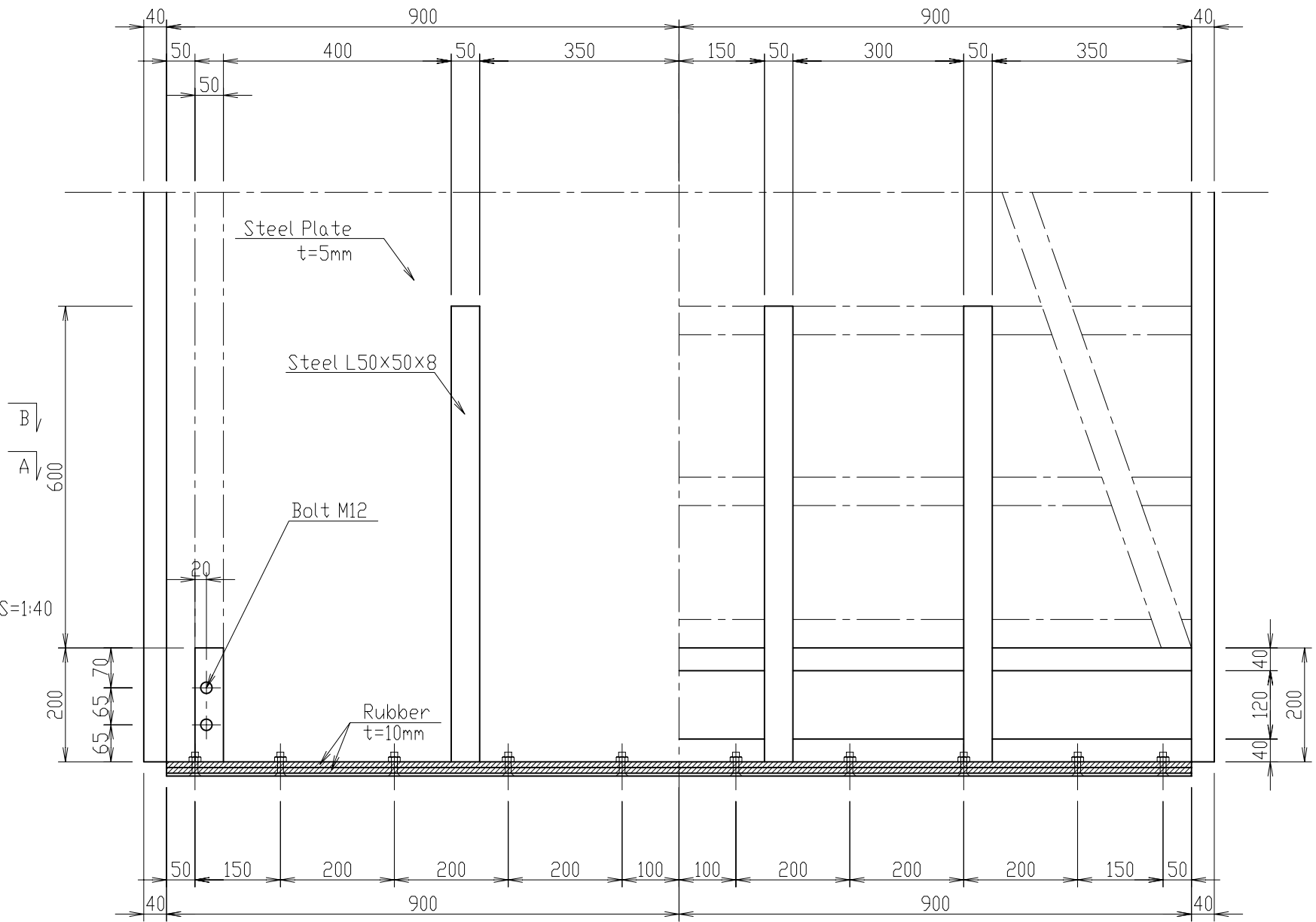
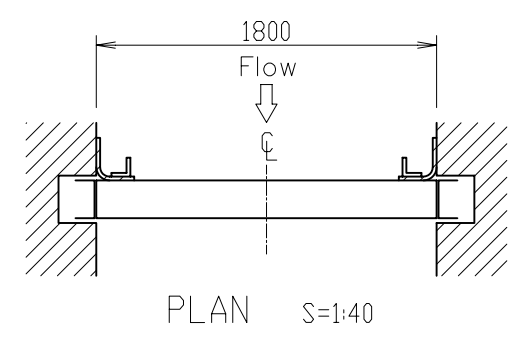
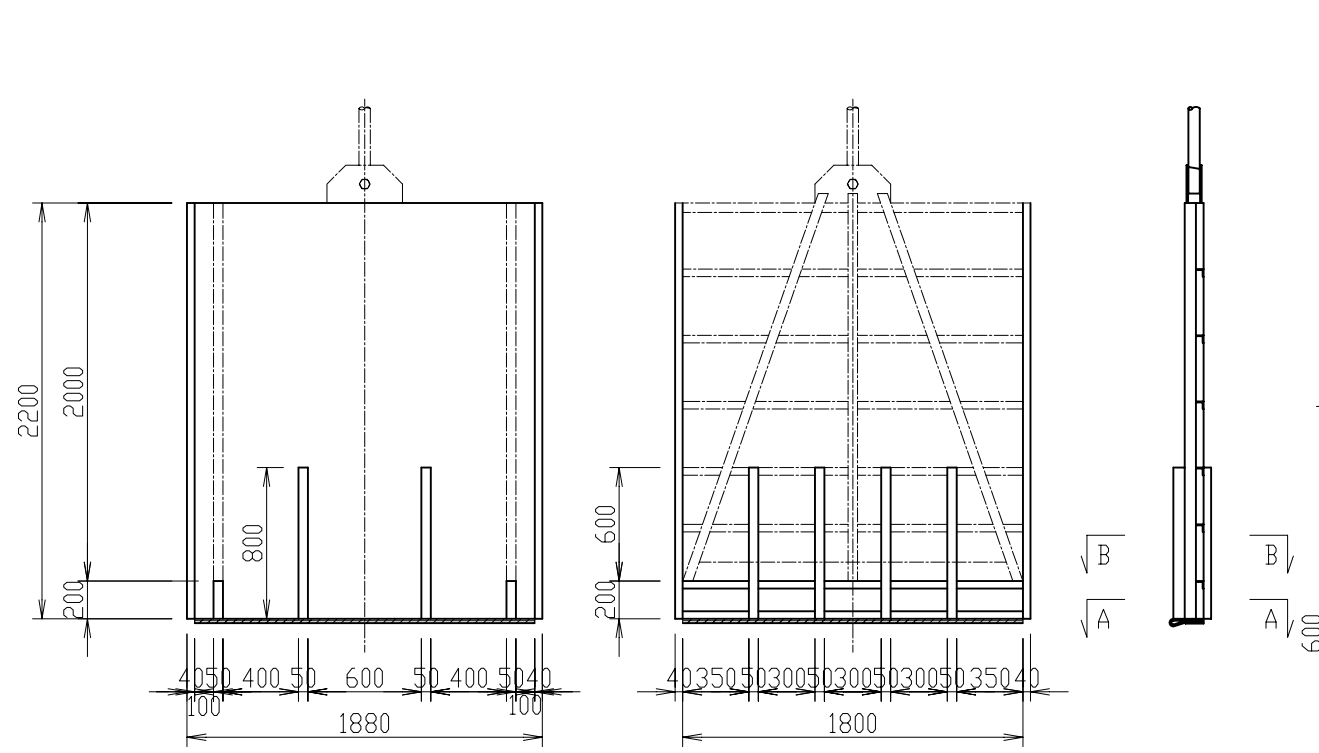


SECTION C-C S=1:100

SECTION D-D S=1:100

THE KINGDOM OF CAMBODIA		
THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM		
TITLE OF DRAWING REHABILITATION OF EXISTING REGULATOR REHABILITATION OF DEUM RUSS REGULATOR(1/2)		
DATE	DRAWING NO.	3-5
NIPPON KOEI CO., LTD., JAPAN		

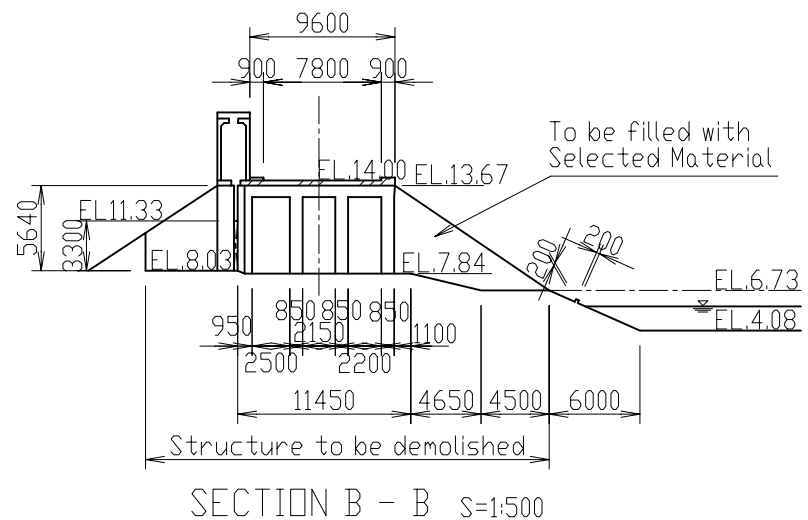
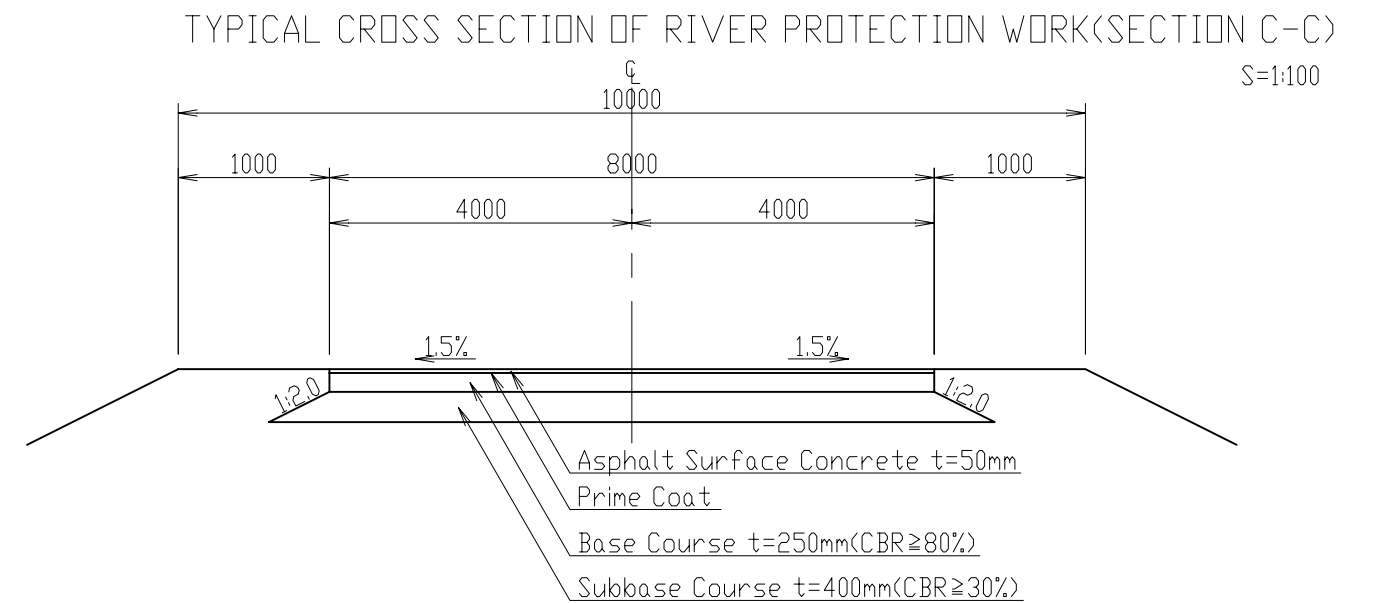
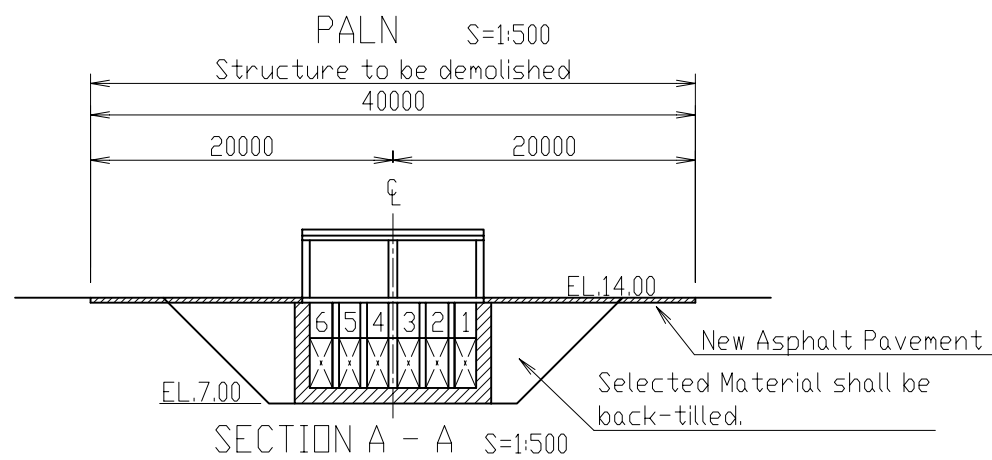
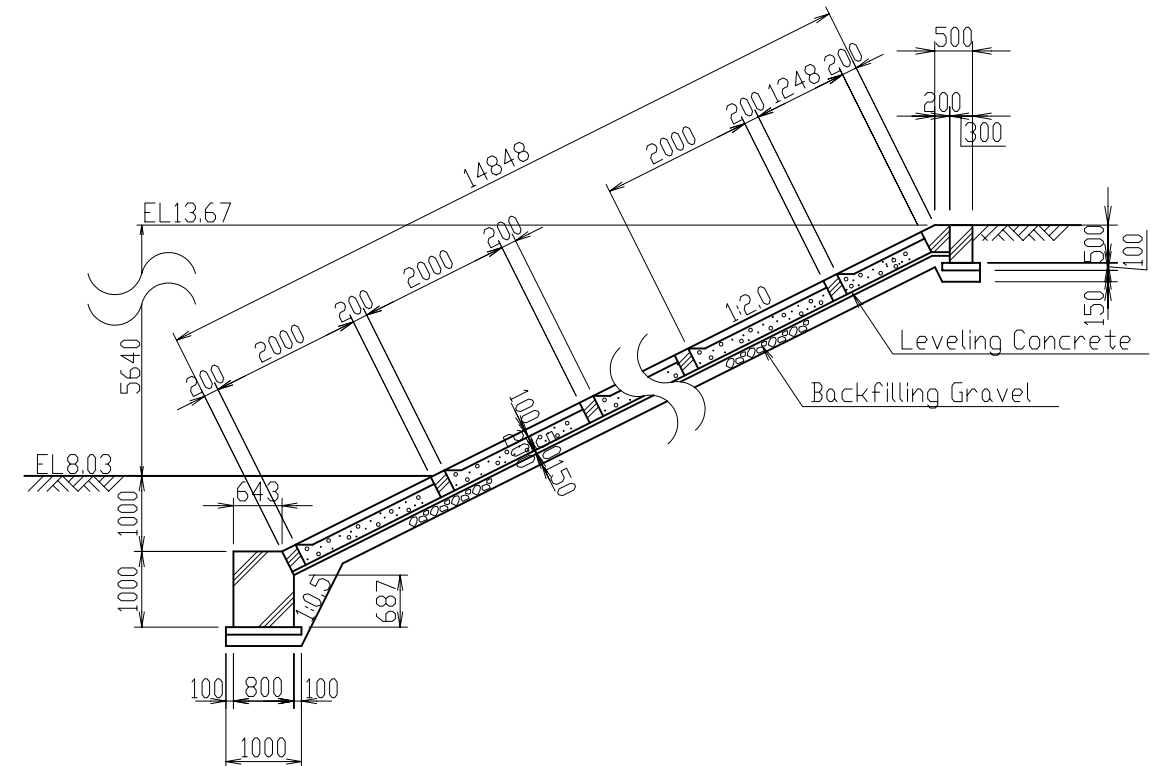
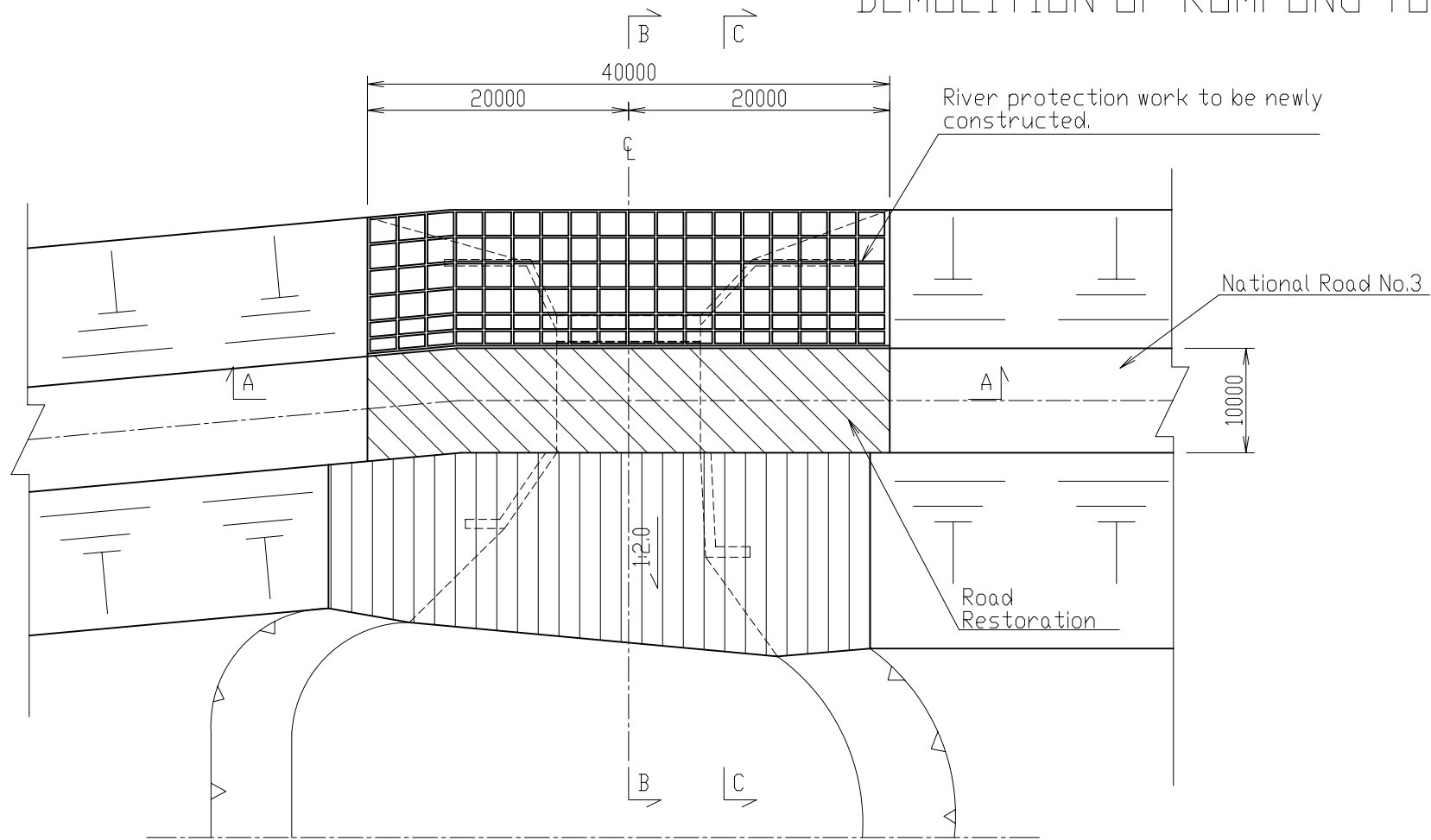
REHABILITATION OF DEUM RUSS REGULATOR(2/2)



- Note: 1) Unless otherwise specified, SS 400 shall be used for steel works.
 2) The original rubber material shall be replaced with new one.
 3) The original skin plate shall be replaced with new one.
 4) Painting shall be made for the original gate leaves and new ones.
 5) The heightening of gate (200mm) shall be adjusted in order to set the top elevation of each gate as EL. 11.80m.
 6) The inside widths of the existing leaves vary between 1.7m and 1.8m. The respective gate leaves shall be rehabilitated based on this drawing.

THE KINGDOM OF CAMBODIA		
THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM		
TITLE OF DRAWING REHABILITATION OF EXISTING REGULATOR REHABILITATION OF DEUM RUSS REGULATOR(2/2)		
DATE	DRAWING NO.	3-6
NIPPON KOEI CO., LTD., JAPAN		

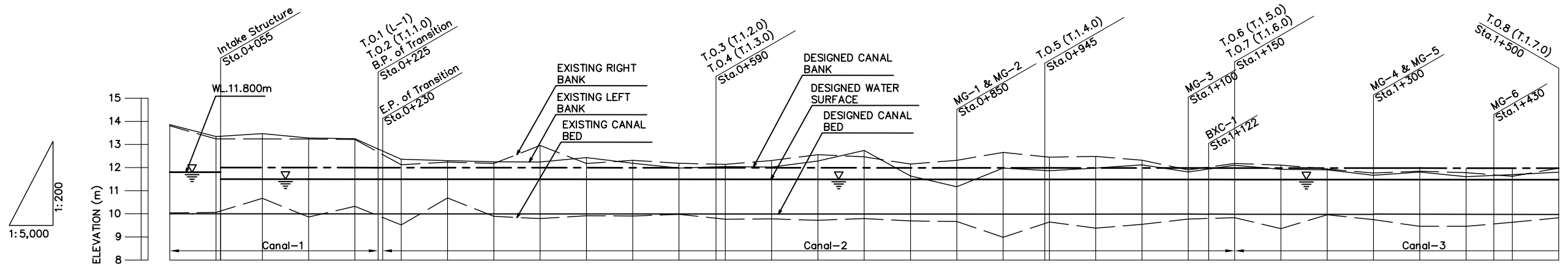
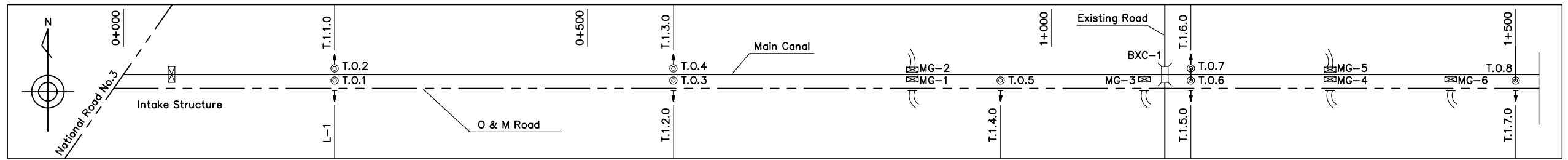
DEMOLITION OF KOMPONG TOUL REGULATOR



Note: The boundary for the road restoration will finally be decided according to the demolition of the existing structure.

THE KINGDOM OF CAMBODIA		
THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM		
TITLE OF DRAWING REHABILITATION OF EXISTING REGULATOR DEMOLITION OF KOMPONG TOUL REGULATOR		
DATE	DRAWING NO.	3-7
NIPPON KOEI CO., LTD., JAPAN		

PLAN AND PROFILE OF MAIN CANAL (1/4)

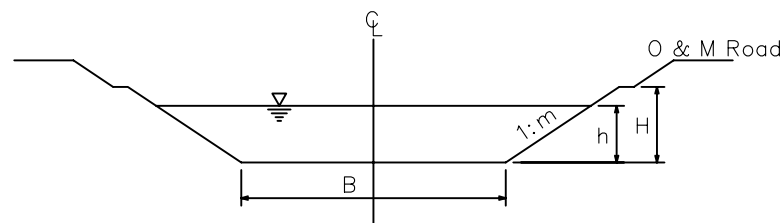


STATION NO.	DISTANCE	ACCUMULATED DISTANCE	EXISTING			DESIGN		
			CANAL BED ELEVATION	RIGHT BANK ELEVATION	LEFT BANK ELEVATION	CANAL BED ELEVATION	WATER SURFACE ELEVATION	TOP ELEVATION OF CONCRETE BLOCK LINING
0+000		0	10.038	13.806	13.858	10.000	11.800	11.800
0+025	25	25	10.061	13.239	13.344	10.000	11.800	11.800
0+050	50	50	10.670	13.218	13.469	9.999	11.499	11.999
0+100	50	100	9.861	13.235	13.278	9.998	11.498	11.998
0+150	50	150	10.324	13.215	13.247	9.997	11.497	11.997
0+200	50	200	9.997	12.123	12.357	9.997	11.497	11.997
0+225	25	225	9.520	12.123	12.357	9.997	11.497	11.997
0+230	5	230	9.520	12.123	12.357	9.997	11.497	11.997
0+250	20	250	10.685	12.236	12.302	9.996	11.496	11.996
0+300	50	300	9.890	12.178	12.252	9.995	11.495	11.995
0+350	50	350	9.795	12.956	12.239	9.994	11.494	11.994
0+400	50	400	9.918	12.176	12.431	9.993	11.493	11.993
0+450	50	450	9.905	12.314	12.187	9.992	11.492	11.992
0+500	50	500	9.977	12.185	11.979	9.992	11.492	11.992
0+550	50	550	9.764	12.138	12.043	9.991	11.491	11.991
0+590	40	590	9.781	12.303	12.021	9.990	11.490	11.990
0+600	10	600	9.719	12.559	12.281	9.989	11.489	11.989
0+650	50	650	9.796	12.463	12.739	9.989	11.489	11.989
0+700	50	700	9.691	12.153	11.634	9.988	11.488	11.988
0+750	50	750	9.668	12.313	11.170	9.987	11.487	11.987
0+800	50	800	8.983	12.657	11.978	9.986	11.486	11.986
0+850	50	850	9.646	12.449	11.865	9.985	11.485	11.985
0+945	45	945	9.377	12.483	11.978	9.984	11.484	11.984
0+950	5	950	9.546	12.318	12.118	9.983	11.483	11.983
1+000	50	1,000	9.772	11.899	11.807	9.982	11.482	11.982
1+050	50	1,050	9.834	12.175	12.101	9.981	11.481	11.981
1+100	50	1,100	9.358	12.106	11.924	9.979	11.479	11.979
1+122	22	1,122	9.957	11.938	11.902	9.978	11.478	11.978
1+150	28	1,150	9.745	11.763	11.663	9.977	11.477	11.977
1+200	50	1,200	9.457	11.841	11.805	9.976	11.476	11.976
1+250	50	1,250	9.457	11.780	11.606	9.975	11.475	11.975
1+300	50	1,300	9.631	11.621	11.695	9.975	11.475	11.975
1+350	50	1,350	9.828	11.973	11.802	9.974	11.474	11.974

LEGEND

- DESIGNED CANAL BANK
- DESIGNED WATER SURFACE
- DESIGNED CANAL BED
- EXISTING LEFT BANK
- EXISTING RIGHT BANK
- EXISTING CANAL BED

BXC : BOX CULVERT
 T.O. : TURNOUT
 M.G. : MAINTENANCE FLOW GATE



CANAL NAME	Q (m ³ /s)	V (m/s)	Gradient (1/i)	B (m)	h (m)	m	H (m)	n	
								Bottom	Slope
CANAL-1	2.730	0.182	80,000	7.00	1.50	1.5	2.00	0.025	0.017
CANAL-2	2.379 - 2.351	0.198	70,000	5.00	1.50	1.5	2.00	0.025	0.017
CANAL-3	2.327 - 2.305	0.194	73,000	5.00	1.50	1.5	2.00	0.025	0.017

THE KINGDOM OF CAMBODIA

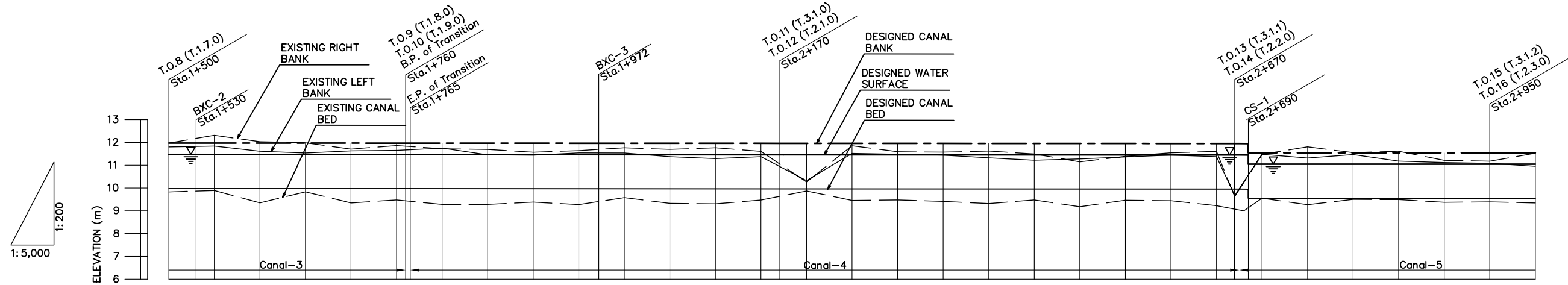
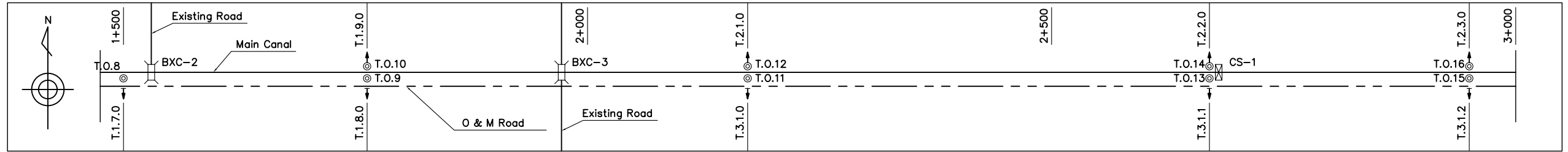
THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM

TITLE OF DRAWING
 IRRIGATION SYSTEM
 PLAN AND PROFILE OF MAIN CANAL (1/4)

DATE: _____ DRAWING NO. 4-1

NIPPON KOEI CO., LTD., JAPAN

PLAN AND PROFILE OF MAIN CANAL (2/4)

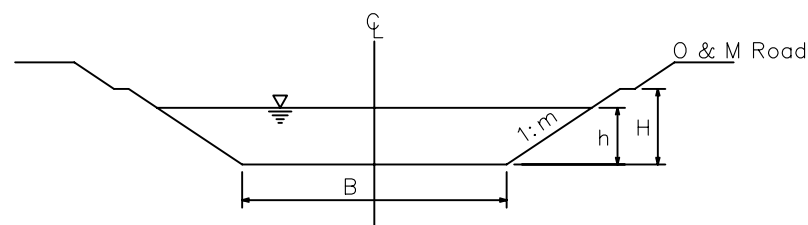


STATION NO.	DISTANCE	ACCUMULATED DISTANCE	EXISTING			DESIGN		
			CANAL BED ELEVATION	RIGHT BANK ELEVATION	LEFT BANK ELEVATION	CANAL BED ELEVATION	WATER SURFACE ELEVATION	TOP ELEVATION OF CONCRETE BLOCK LINING
1+500	50	1,500	9.828	11.973	11.802	9.974	11.474	11.974
1+530	30	1,530				9.973	11.473	11.973
1+550	20	1,550	9.892	12.314	11.841	9.973	11.473	11.973
1+600	50	1,600	9.347	12.034	11.613	9.972	11.472	11.972
1+650	50	1,650	9.829	11.984	11.535	9.971	11.471	11.971
1+700	50	1,700	9.345	11.707	11.630	9.970	11.470	11.970
1+750	50	1,750	9.475	11.863	11.652	9.969	11.469	11.969
1+760	10	1,760	9.968			9.968	11.468	11.968
1+765	5	1,765	9.968			9.968	11.468	11.968
1+800	35	1,800	9.279	11.724	11.751	9.968	11.468	11.968
1+850	50	1,850	9.281	11.692	11.455	9.967	11.467	11.967
1+900	50	1,900	9.379	11.571	11.440	9.966	11.466	11.966
1+950	50	1,950	9.274	11.640	11.539	9.965	11.465	11.965
1+972	22	1,972	9.575	11.765	11.535	9.965	11.465	11.965
2+000	28	2,000	9.326	11.695	11.378	9.964	11.464	11.964
2+050	50	2,050	9.306	11.763	11.291	9.963	11.463	11.963
2+100	50	2,100	9.471	11.609	11.378	9.962	11.462	11.962
2+150	50	2,150	9.867	10.266	10.326	9.961	11.461	11.961
2+170	20	2,170	9.456	11.856	11.519	9.961	11.461	11.961
2+200	30	2,200	9.476	11.591	11.481	9.960	11.460	11.960
2+250	50	2,250	9.411	11.574	11.441	9.960	11.460	11.960
2+300	50	2,300	9.320	11.620	11.326	9.959	11.459	11.959
2+350	50	2,350	9.475	11.495	11.218	9.958	11.458	11.958
2+400	50	2,400	9.179	11.147	11.279	9.957	11.457	11.957
2+450	50	2,450	9.462	11.392	11.364	9.956	11.456	11.956
2+500	50	2,500	9.439	11.544	11.447	9.955	11.455	11.955
2+550	50	2,550	9.224	11.607	11.377	9.954	11.454	11.954
2+600	50	2,600	8.997	9.624	9.669	9.953	11.453	11.953
2+650	50	2,650	9.550	11.480	11.480	9.952	11.452	11.952
2+670	20	2,670	9.551			9.951	11.451	11.951
2+690	20	2,690	9.551			9.951	11.451	11.951
2+700	10	2,700	9.551			9.551	11.051	11.551
2+750	50	2,750	9.268	11.806	11.316	9.550	11.050	11.550
2+800	50	2,800	9.499	11.532	11.467	9.549	11.049	11.549
2+850	50	2,850	9.490	11.614	11.180	9.548	11.048	11.548
2+900	50	2,900	9.371	11.213	11.116	9.547	11.047	11.547
2+950	50	2,950	9.392	11.177	11.081	9.546	11.046	11.546
3+000	50	3,000	9.345	11.528	10.951	9.545	11.045	11.545

LEGEND

- DESIGNED CANAL BANK
- DESIGNED WATER SURFACE
- DESIGNED CANAL BED
- - - EXISTING LEFT BANK
- - - EXISTING RIGHT BANK
- - - EXISTING CANAL BED

BXC : BOX CULVERT
 T.O. : TURNOUT
 C.S. : CHECK STRUCTURE



CANAL NAME	Q (m ³ /s)	V (m/s)	Gradient (1/i)	B (m)	h (m)	m	H (m)	n	
								Bottom	Slope
CANAL-3	2.327 - 2.305	0.194	73,000	5.00	1.50	1.5	2.00	0.025	0.017
CANAL-4	2.266 - 2.218	0.216	56,500	4.00	1.50	1.5	2.00	0.025	0.017
CANAL-5	2.148 - 2.104	0.205	62,500	4.00	1.50	1.5	2.00	0.025	0.017

THE KINGDOM OF CAMBODIA

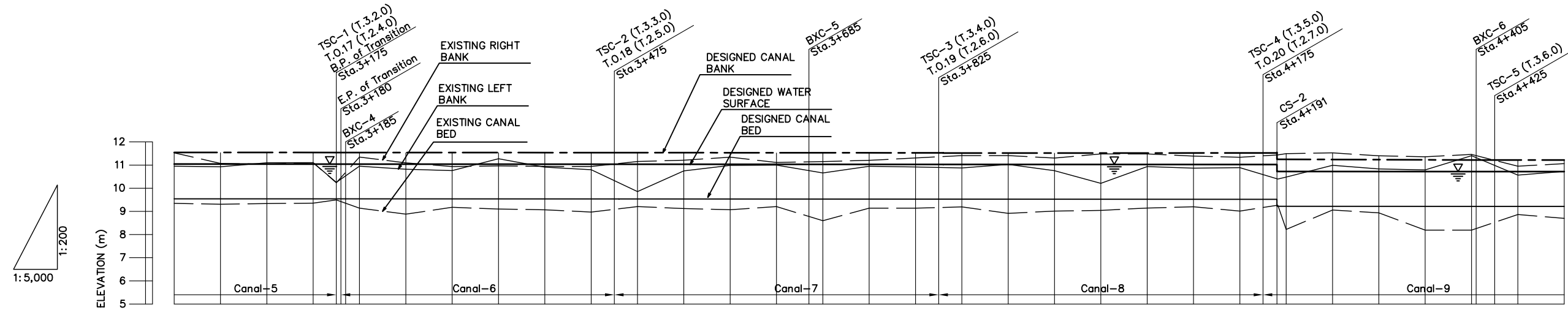
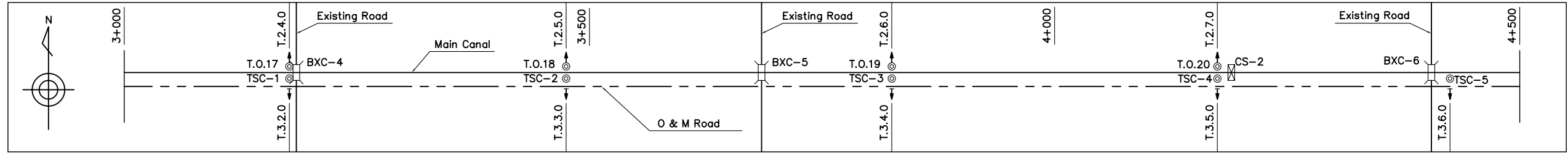
THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM

TITLE OF DRAWING
 IRRIGATION SYSTEM
 PLAN AND PROFILE OF MAIN CANAL (2/4)

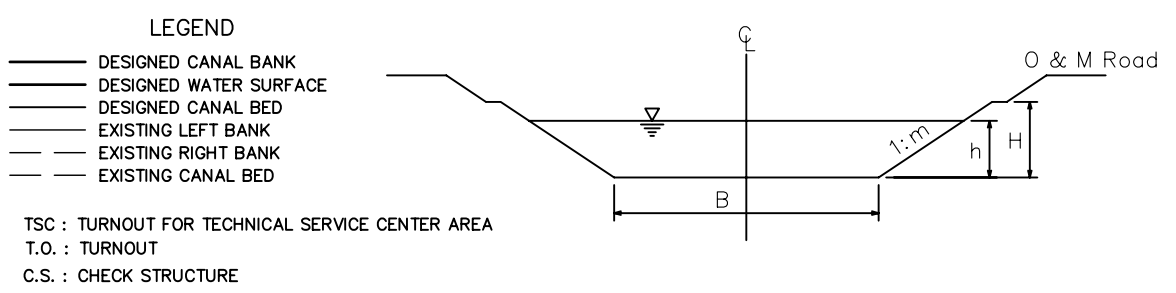
DATE: _____ DRAWING NO. 4-2

NIPPON KOEI CO., LTD., JAPAN

PLAN AND PROFILE OF MAIN CANAL (3/4)



STATION NO.	DISTANCE	ACCUMULATED DISTANCE	EXISTING			DESIGN		
			CANAL BED ELEVATION	RIGHT BANK ELEVATION	LEFT BANK ELEVATION	CANAL BED ELEVATION	WATER SURFACE ELEVATION	TOP ELEVATION OF CONCRETE BLOCK LINING
3+000	50	3,000	9.345	11.528	10.951	9.545	11.045	11.545
3+050	50	3,050	9.310	11.072	10.926	9.544	11.044	11.544
3+100	50	3,100	9.337	11.037	11.098	9.543	11.043	11.543
3+150	50	3,150	9.355	11.102	11.104	9.542	11.042	11.542
3+175	25	3,175	9.494	10.237	10.252	9.542	11.042	11.542
3+180	5	3,180	9.541	11.541	11.541	9.541	11.041	11.541
3+185	5	3,185	9.541	11.541	11.541	9.541	11.041	11.541
3+200	15	3,200	9.140	11.346	10.950	9.541	11.041	11.541
3+250	50	3,250	8.879	11.096	10.820	9.540	11.040	11.540
3+300	50	3,300	9.176	10.936	10.762	9.539	11.039	11.539
3+350	50	3,350	9.102	10.964	11.272	9.538	11.038	11.538
3+400	50	3,400	9.069	10.941	10.909	9.537	11.037	11.537
3+450	50	3,450	8.971	10.939	10.800	9.536	11.036	11.536
3+475	25	3,475	9.208	11.154	9.856	9.536	11.036	11.536
3+500	25	3,500	9.122	11.209	10.749	9.535	11.035	11.535
3+550	50	3,550	9.071	11.341	10.983	9.534	11.034	11.534
3+600	50	3,600	9.205	11.111	10.998	9.533	11.033	11.533
3+650	35	3,685	8.599	11.152	10.958	9.533	11.033	11.533
3+700	15	3,700	9.055	11.203	10.946	9.532	11.032	11.532
3+750	50	3,750	9.137	11.305	10.919	9.531	11.031	11.531
3+800	25	3,825	9.194	11.410	10.875	9.531	11.031	11.531
3+850	25	3,850	8.915	11.419	11.025	9.530	11.030	11.530
3+900	50	3,900	9.012	11.303	10.757	9.529	11.029	11.529
3+950	50	3,950	9.043	11.479	10.209	9.528	11.028	11.528
4+000	50	4,000	9.145	11.481	10.936	9.528	11.028	11.528
4+050	50	4,050	9.197	11.365	10.868	9.527	11.027	11.527
4+100	50	4,100	9.014	11.337	10.890	9.526	11.026	11.526
4+150	25	4,175	8.222	11.494	10.481	9.526	11.026	11.526
4+175	16	4,191	8.222	11.494	10.481	9.525	11.025	11.525
4+191	9	4,200	9.058	11.525	10.987	9.525	11.025	11.525
4+200	50	4,250	8.936	11.400	10.831	9.524	11.024	11.524
4+250	50	4,300	8.190	11.358	10.789	9.523	11.023	11.523
4+300	50	4,350	8.190	11.457	11.405	9.522	11.022	11.522
4+350	50	4,400	8.866	10.951	10.566	9.521	11.021	11.521
4+400	25	4,425	8.699	11.061	10.728	9.520	11.020	11.520
4+405	5	4,405	8.699	11.061	10.728	9.520	11.020	11.520
4+425	20	4,425	8.699	11.061	10.728	9.520	11.020	11.520
4+450	25	4,450	8.699	11.061	10.728	9.520	11.020	11.520
4+500	50	4,500	8.699	11.061	10.728	9.520	11.020	11.520



CANAL NAME	Q (m ³ /s)	V (m/s)	Gradient (1/i)	B (m)	h (m)	m	H (m)	n	
								Bottom	Slope
CANAL-5	2.148 - 2.104	0.205	62,500	4.00	1.50	1.5	2.00	0.025	0.017
CANAL-6	1.836	0.205	65,000	3.00	1.50	1.5	2.00	0.025	0.017
CANAL-7	1.771	0.198	70,000	3.00	1.50	1.5	2.00	0.025	0.017
CANAL-8	1.691	0.188	77,500	3.00	1.50	1.5	2.00	0.025	0.017
CANAL-9	1.588 - 1.560	0.177	87,000	3.00	1.50	1.5	2.00	0.025	0.017

THE KINGDOM OF CAMBODIA

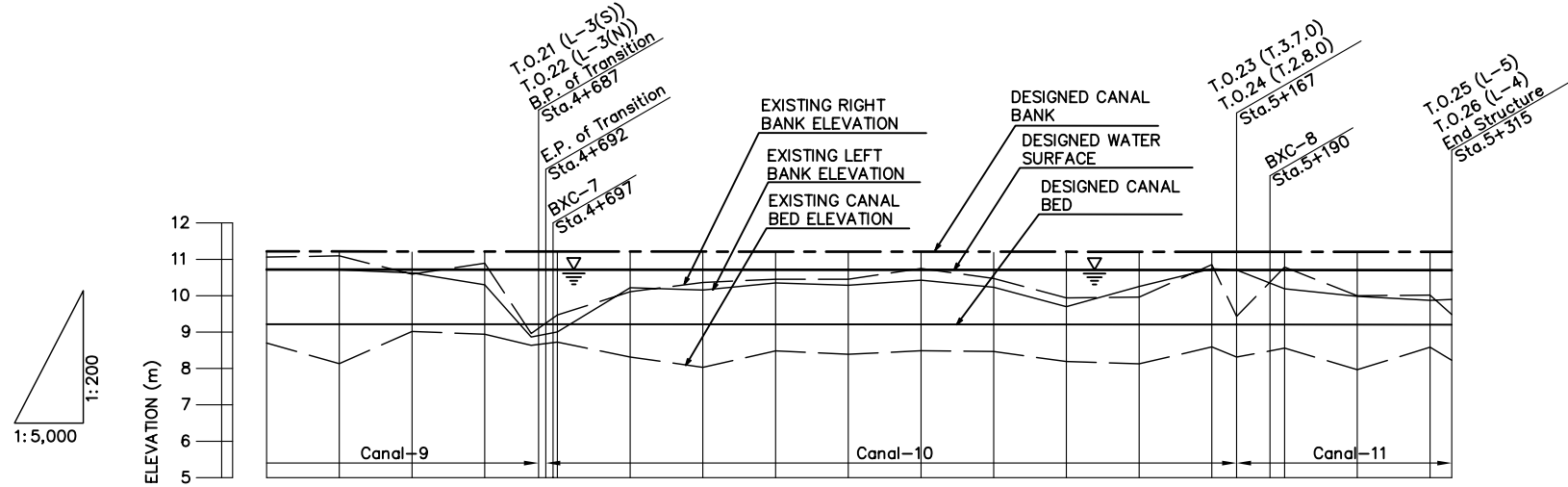
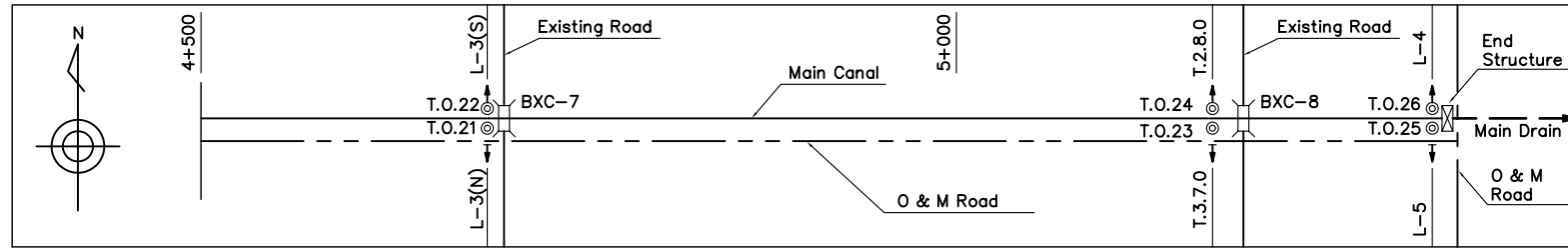
THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM

TITLE OF DRAWING
IRRIGATION SYSTEM
PLAN AND PROFILE OF MAIN CANAL (3/4)

DATE	DRAWING NO.	4-3
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NIPPON KOEI CO., LTD., JAPAN

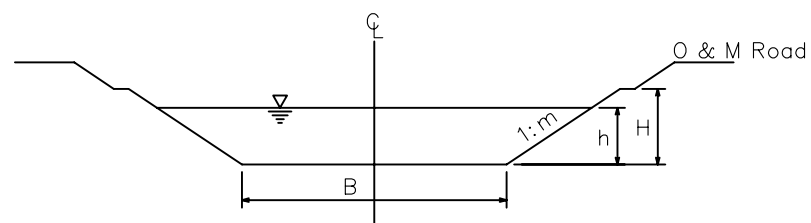
PLAN AND PROFILE OF MAIN CANAL (4/4)



DESIGN	TOP ELEVATION OF CONCRETE BLOCK LINING	
	Left	Right
DESIGN	WATER SURFACE ELEVATION	
	CANAL BED ELEVATION	
EXISTING	LEFT BANK ELEVATION	
	RIGHT BANK ELEVATION	
	CANAL BED ELEVATION	
ACCUMULATED DISTANCE		
DISTANCE		
STATION NO.		

- LEGEND**
- DESIGNED CANAL BANK
 - DESIGNED WATER SURFACE
 - DESIGNED CANAL BED
 - - - EXISTING LEFT BANK
 - - - EXISTING RIGHT BANK
 - - - EXISTING CANAL BED

T.O. : TURNOUT



CANAL NAME	Q (m ³ /s)	V (m/s)	Gradient (1/i)	B (m)	h (m)	m	H (m)	n	
								Bottom	Slope
CANAL-9	1.588 - 1.560	0.177	87,000	3.00	1.50	1.5	2.00	0.025	0.017
CANAL-10	1.199	0.160	110,000	2.00	1.50	1.5	2.00	0.025	0.017
CANAL-11	1.034	0.139	145,000	2.00	1.50	1.5	2.00	0.025	0.017

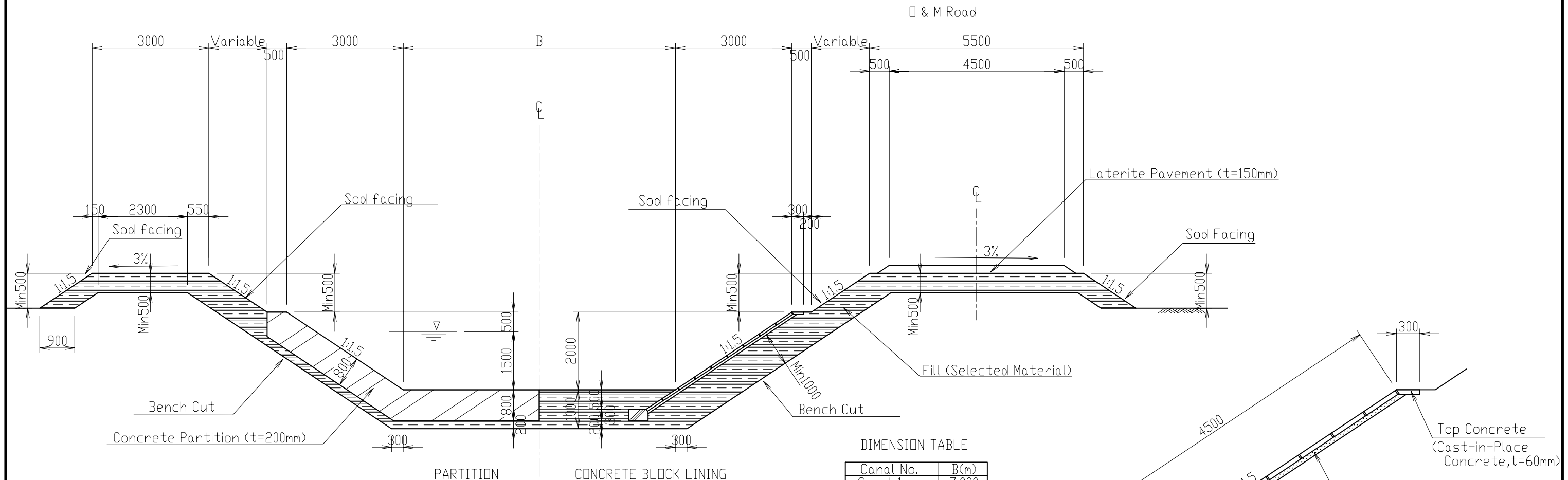
THE KINGDOM OF CAMBODIA

THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM

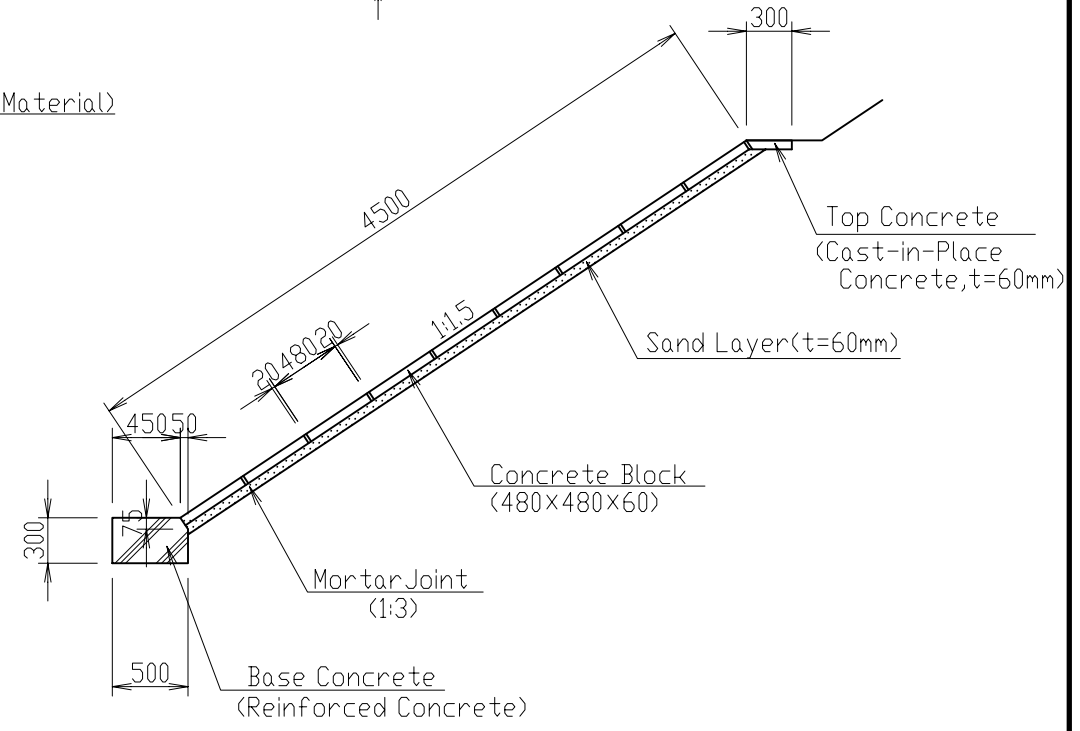
TITLE OF DRAWING
IRRIGATION SYSTEM
PLAN AND PROFILE OF MAIN CANAL (4/4)

DATE	DRAWING NO.	4-4
NIPPON KOEI CO., LTD., JAPAN		

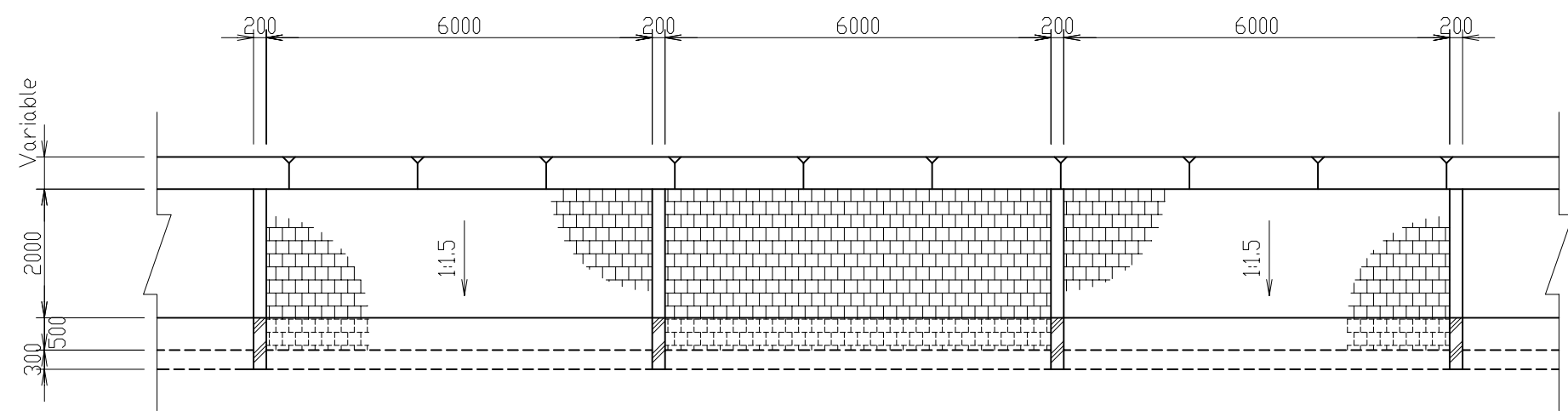
TYPICAL CROSS SECTION OF MAIN CANAL (TYPE A)



TYPICAL CROSS SECTION S=1:100



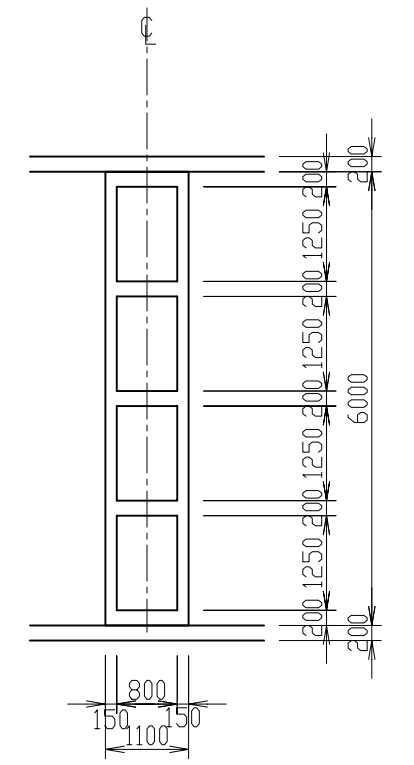
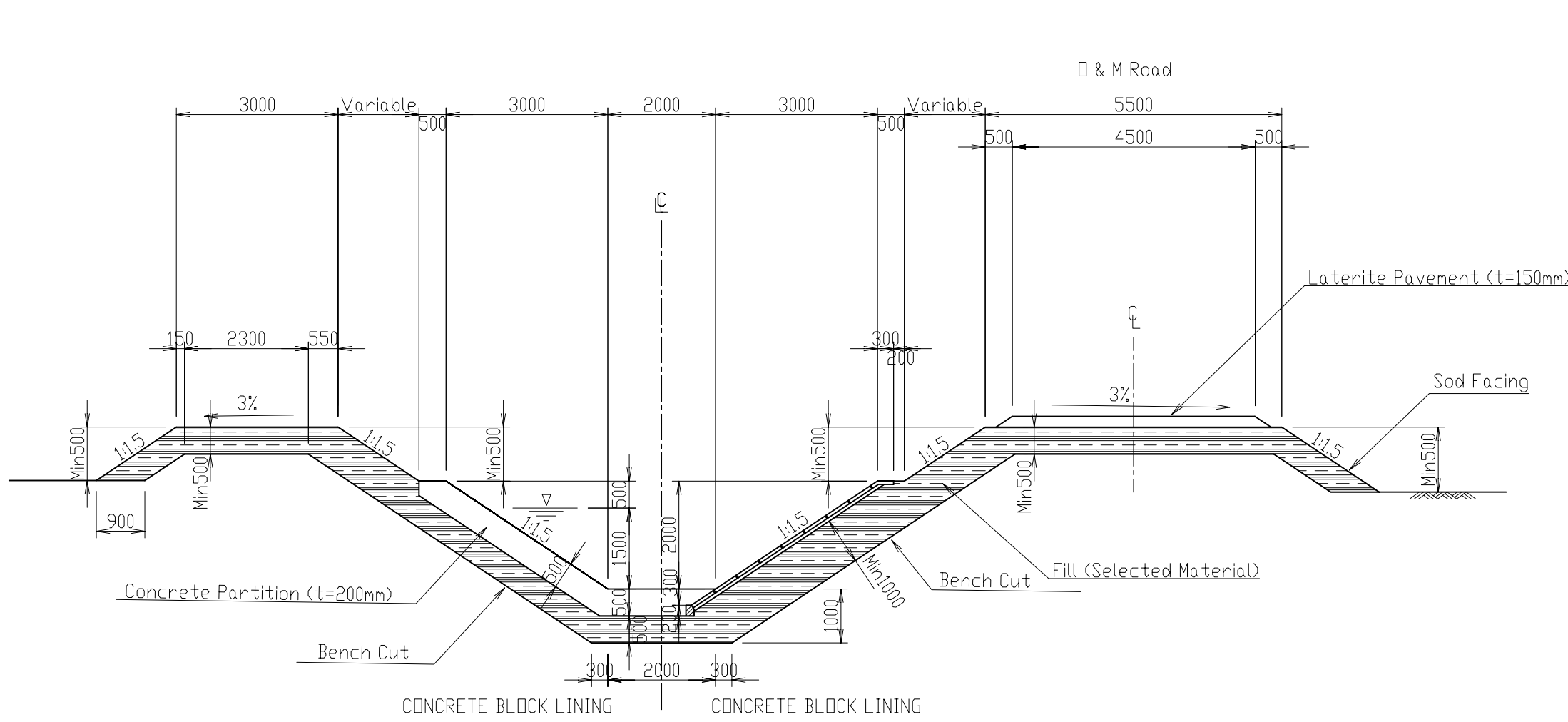
DETAIL OF CONCRETE BLOCK LINING S=1:50



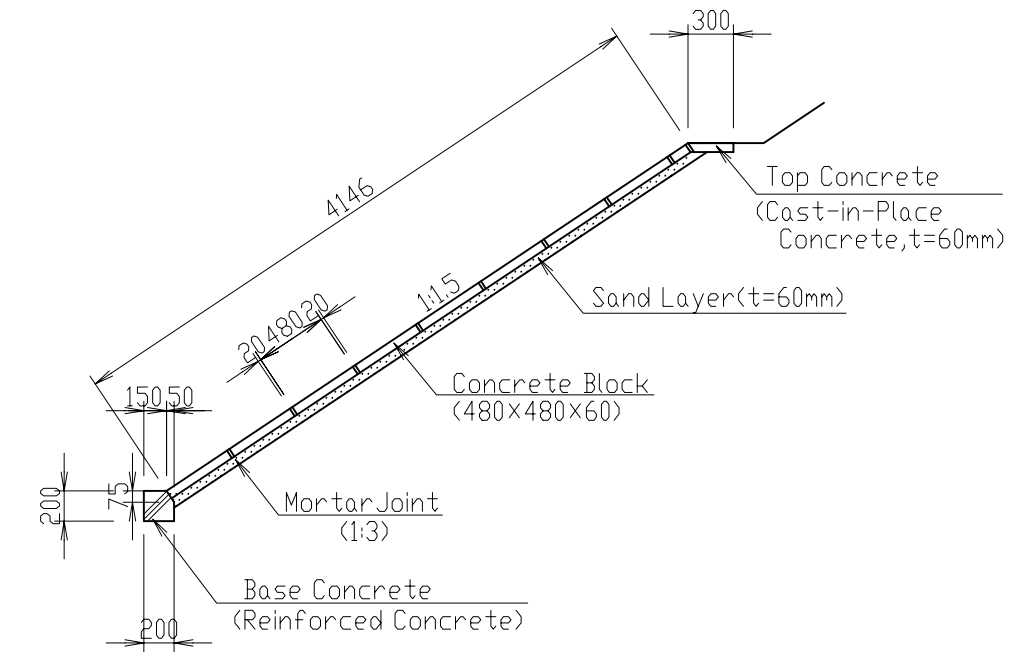
PROFILE S=1:100

THE KINGDOM OF CAMBODIA		
THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM		
TITLE OF DRAWING IRRIGATION SYSTEM TYPICAL CROSS SECTION OF MAIN CANAL (TYPE A)		
DATE	DRAWING NO.	4-5
NIPPON KOEI CO., LTD., JAPAN		

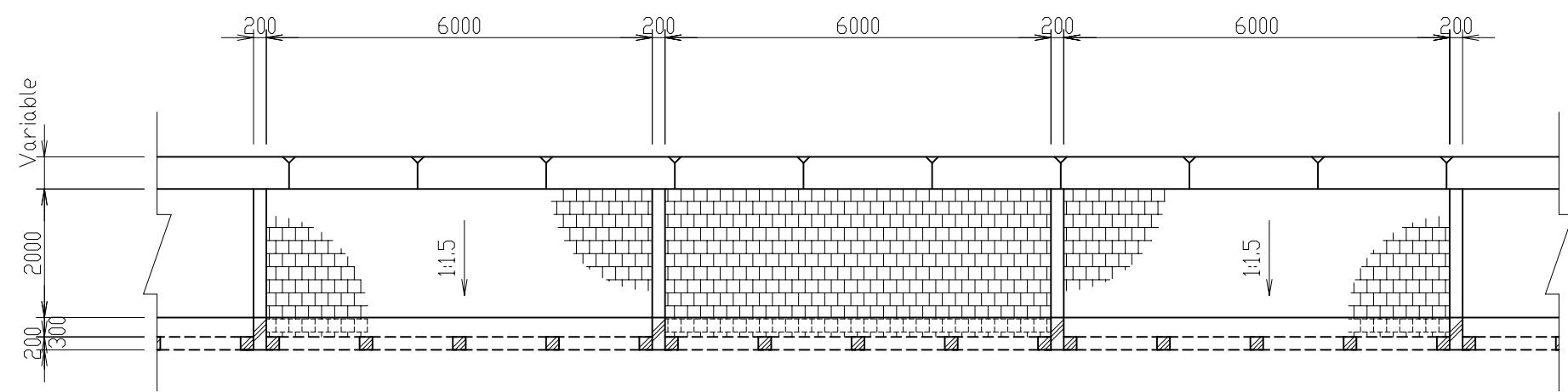
TYPICAL CROSS SECTION OF MAIN CANAL (TYPE B)



TYPICAL CROSS SECTION S=1:100
(Canal 10-11)



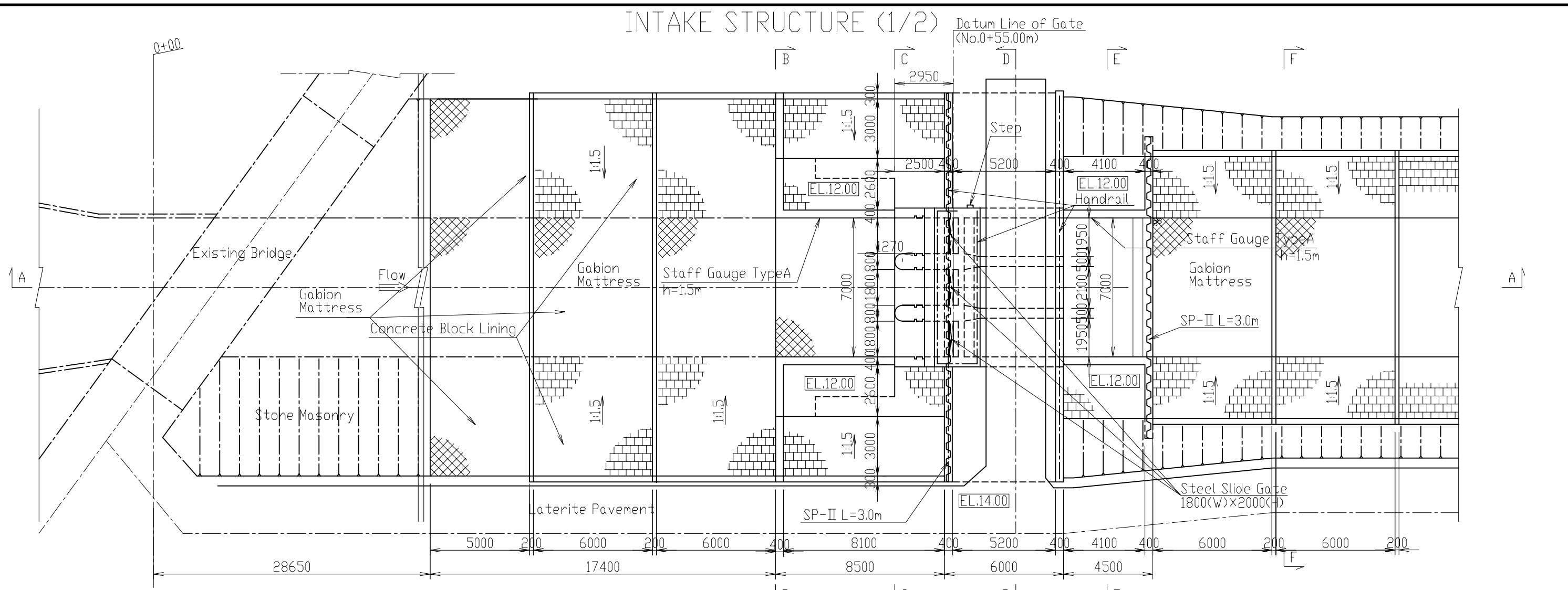
DETAIL OF CONCRETE BLOCK LINING S=1:50



PROFILE S=1:100

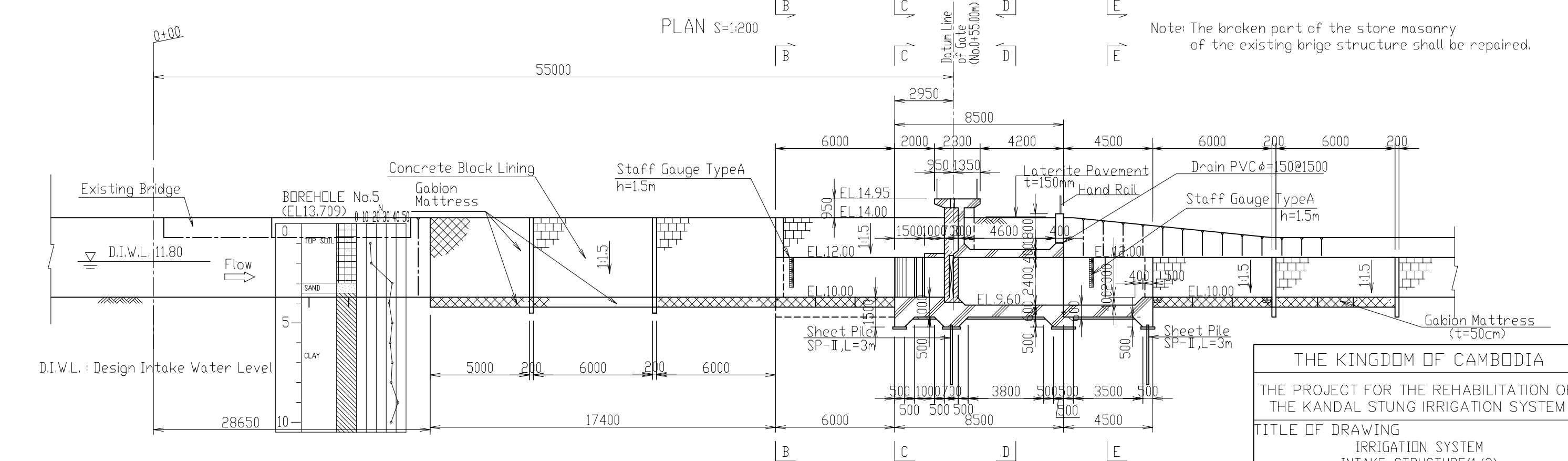
THE KINGDOM OF CAMBODIA		
THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM		
TITLE OF DRAWING IRRIGATION SYSTEM TYPICAL CROSS SECTION OF MAIN CANAL (TYPE B)		
DATE	DRAWING NO.	4-6
NIPPON KOEI CO., LTD., JAPAN		

INTAKE STRUCTURE (1/2)



PLAN S=1:200

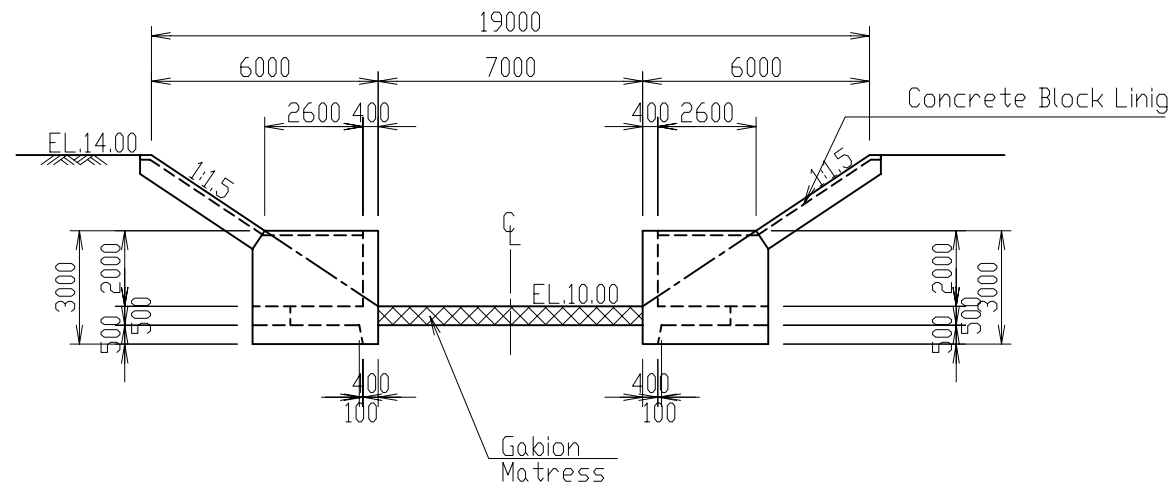
Note: The broken part of the stone masonry of the existing bridge structure shall be repaired.



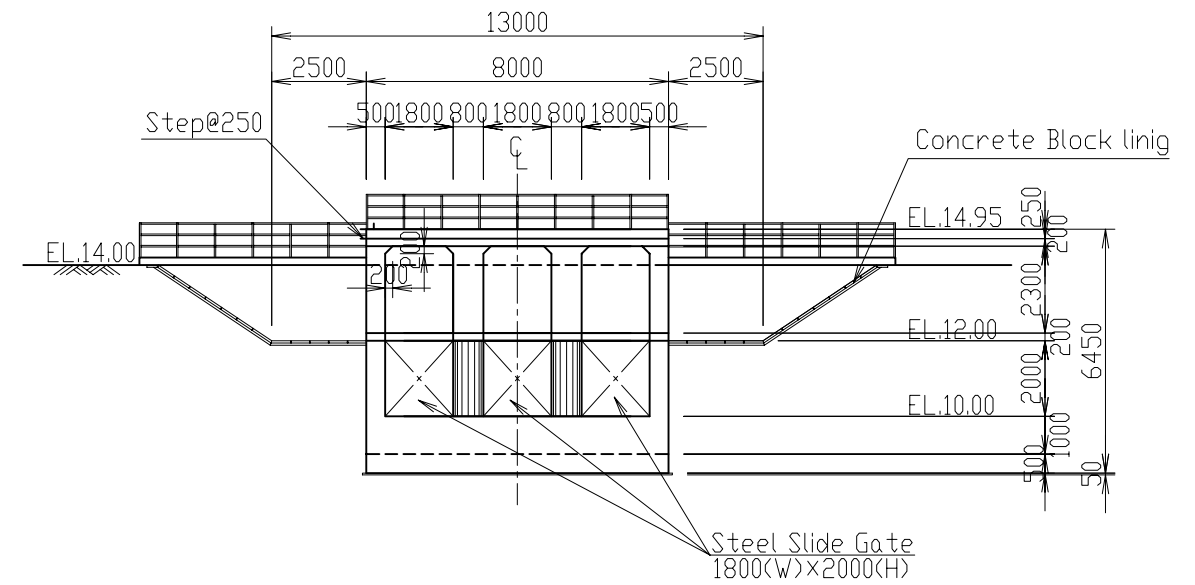
SECTION A-A S=1:200

THE KINGDOM OF CAMBODIA		
THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM		
TITLE OF DRAWING IRRIGATION SYSTEM INTAKE STRUCTURE(1/2)		
DATE	DRAWING NO.	4-7
NIPPON KOEI CO., LTD., JAPAN		

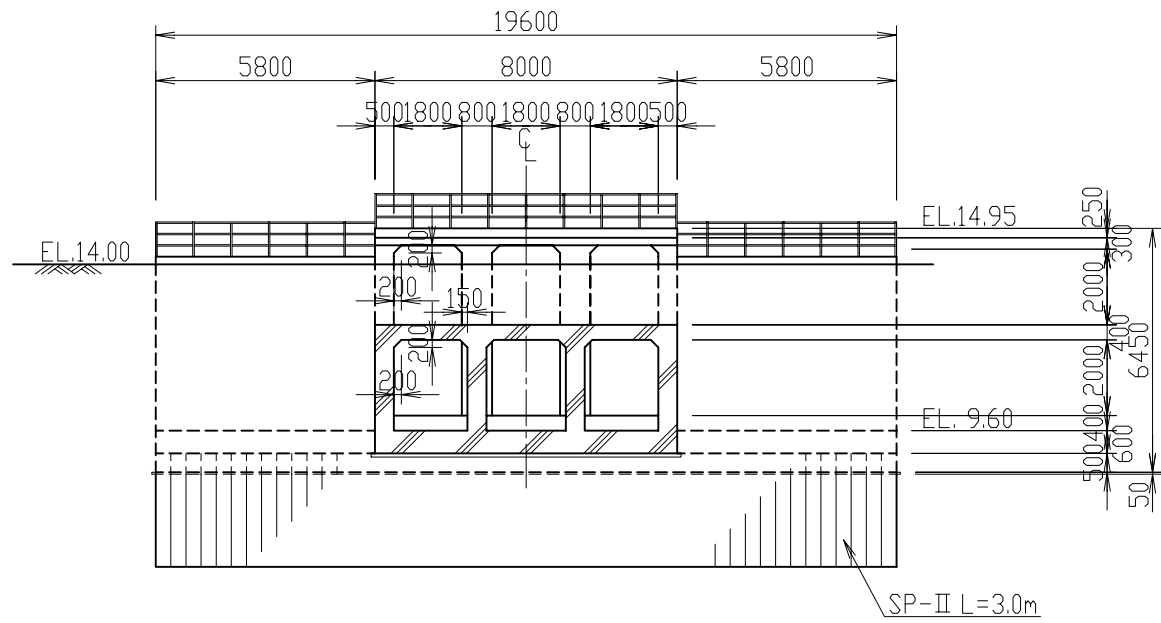
INTAKE STRUCTURE (2/2)



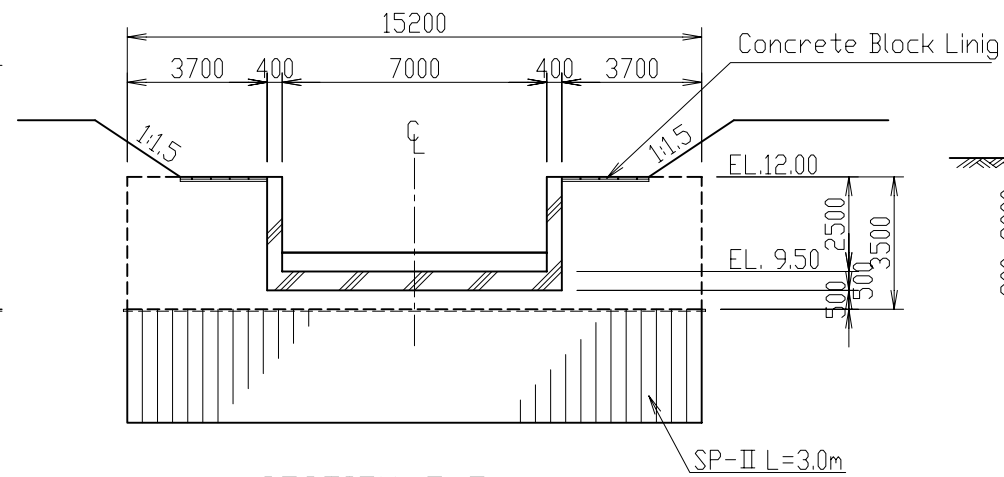
SECTION B-B S=1:200



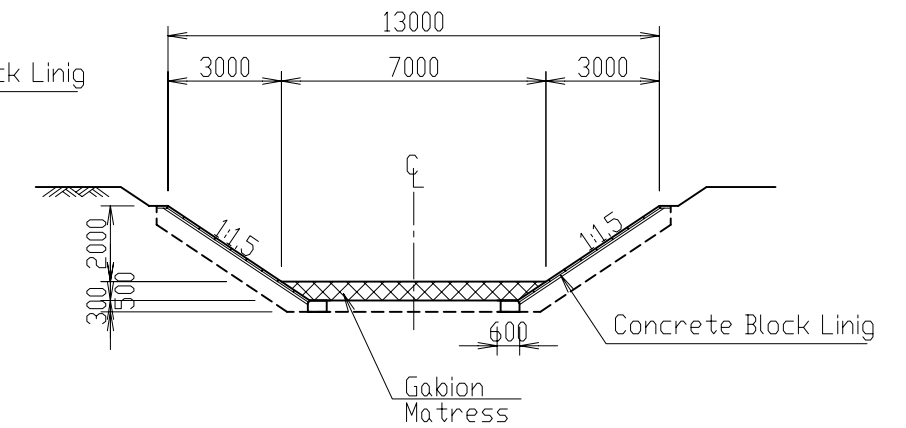
SECTION C-C S=1:200



SECTION D-D S=1:200



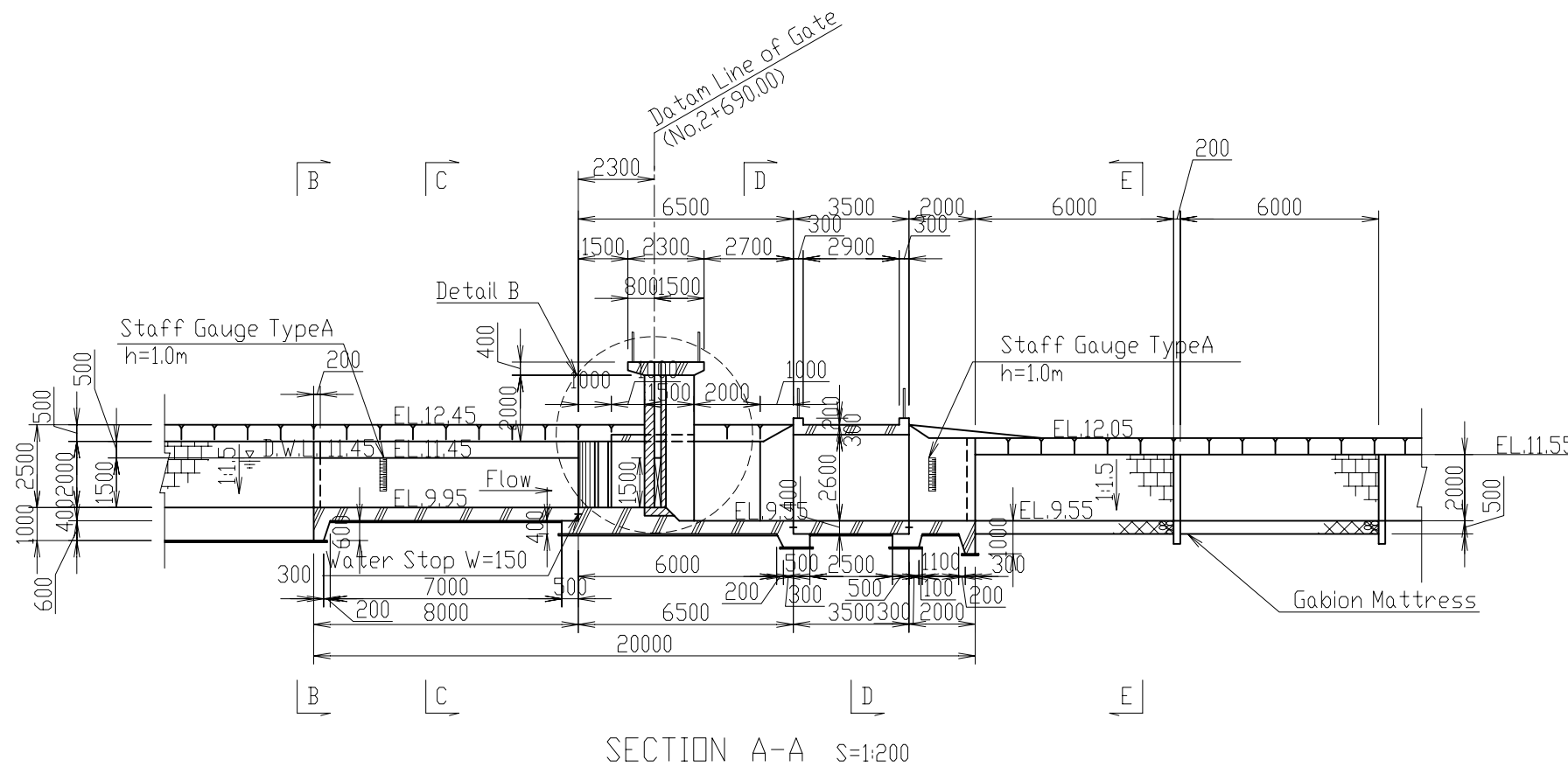
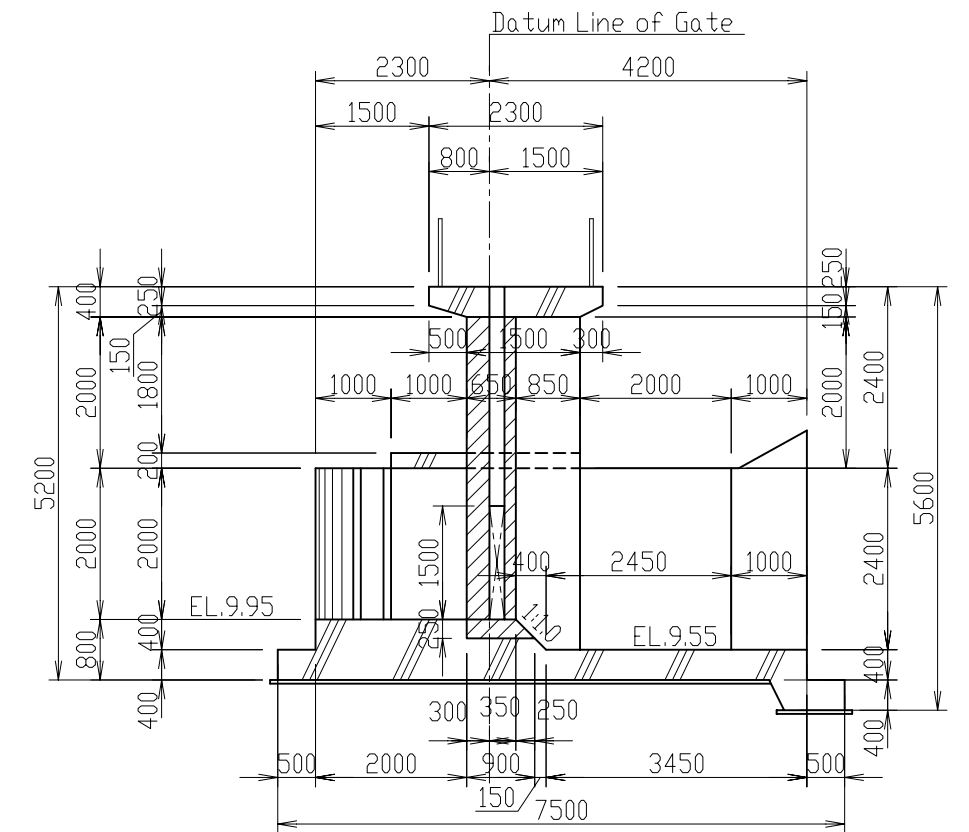
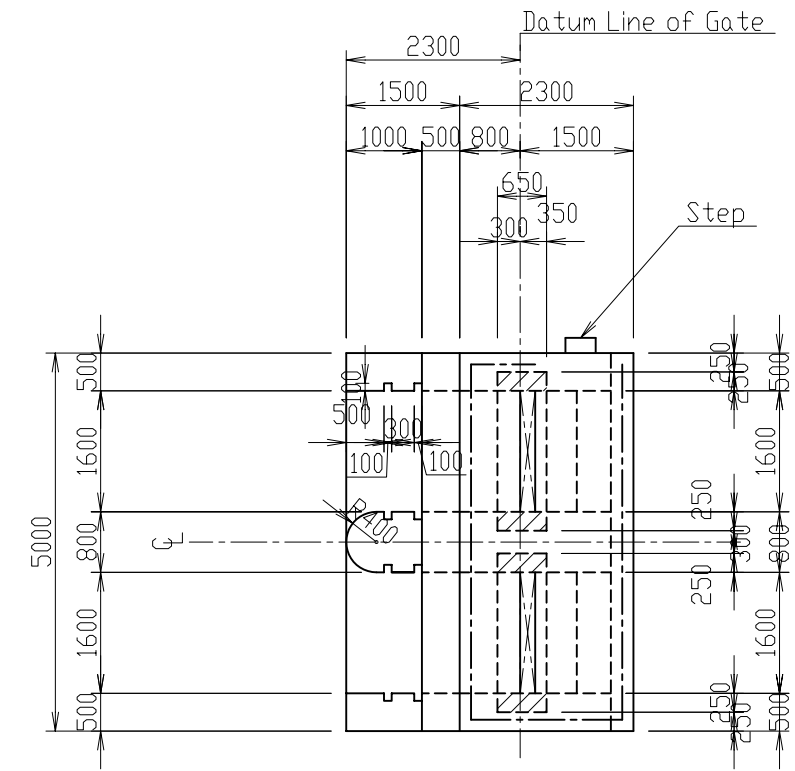
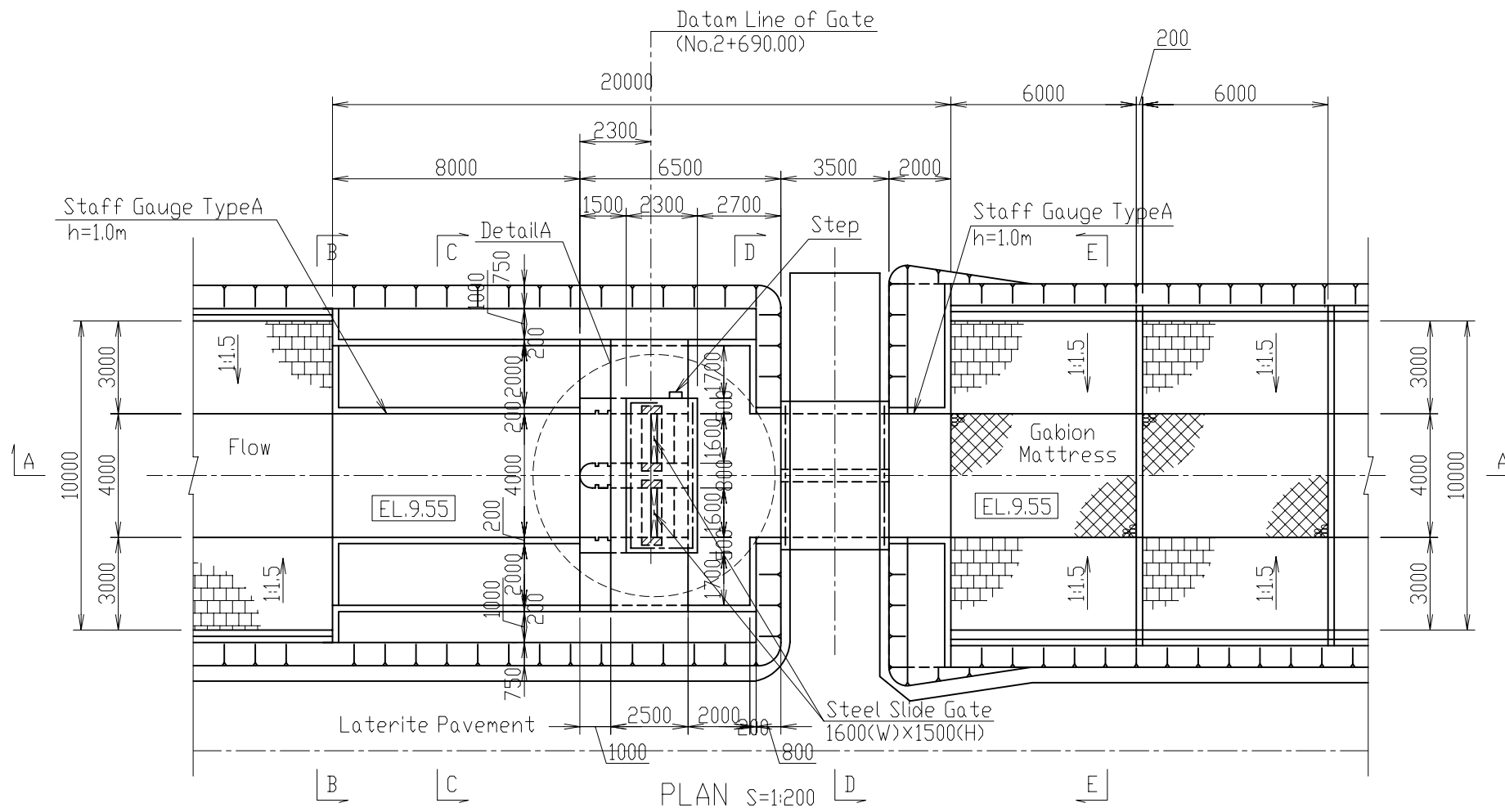
SECTION E-E S=1:200



SECTION F-F S=1:200

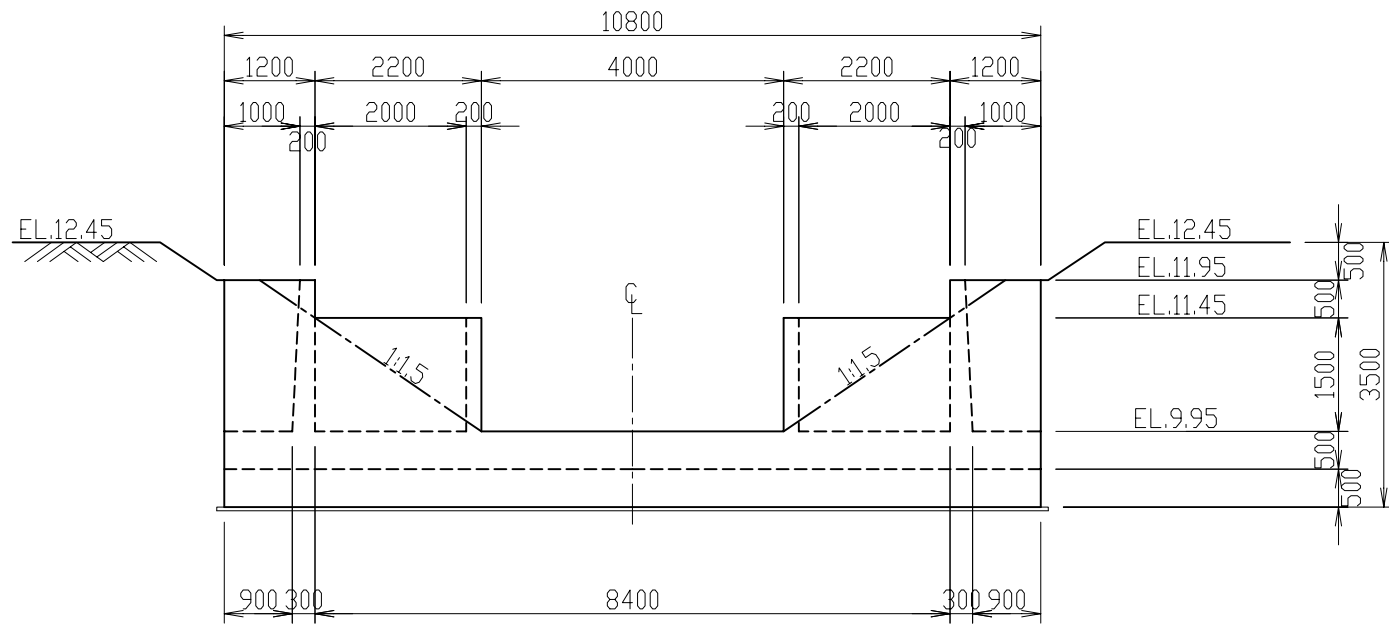
THE KINGDOM OF CAMBODIA		
THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM		
TITLE OF DRAWING IRRIGATION SYSTEM INTAKE STRUCTURE(2/2)		
DATE	DRAWING NO.	4-8
NIPPON KOEI CO., LTD., JAPAN		

CHECK STRUCTURE-1 (1/2)

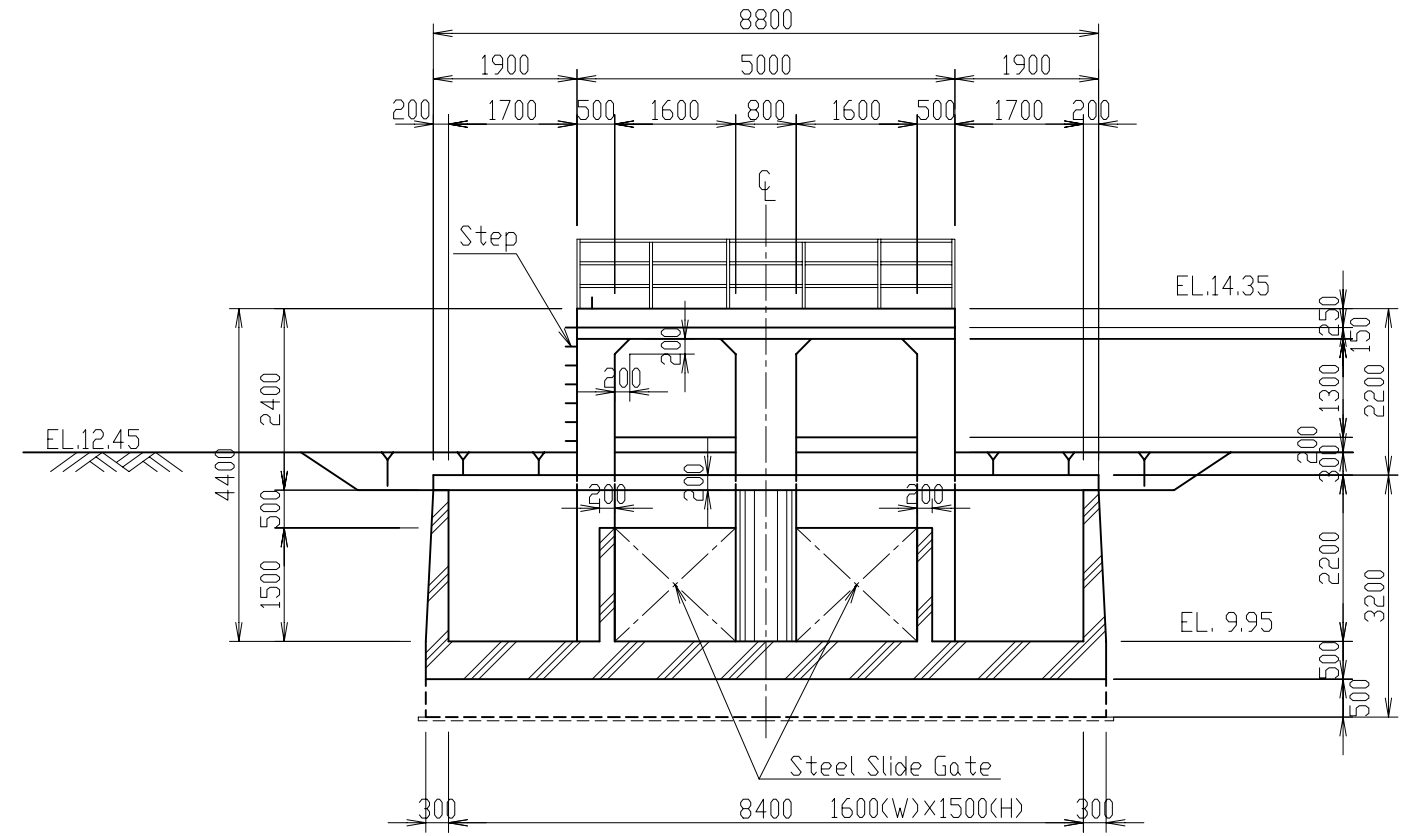


THE KINGDOM OF CAMBODIA		
THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM		
TITLE OF DRAWING IRRIGATION SYSTEM CHECK STRUCTURE-1(1/2)		
DATE	DRAWING NO.	4-9
NIPPON KOEI CO., LTD., JAPAN		

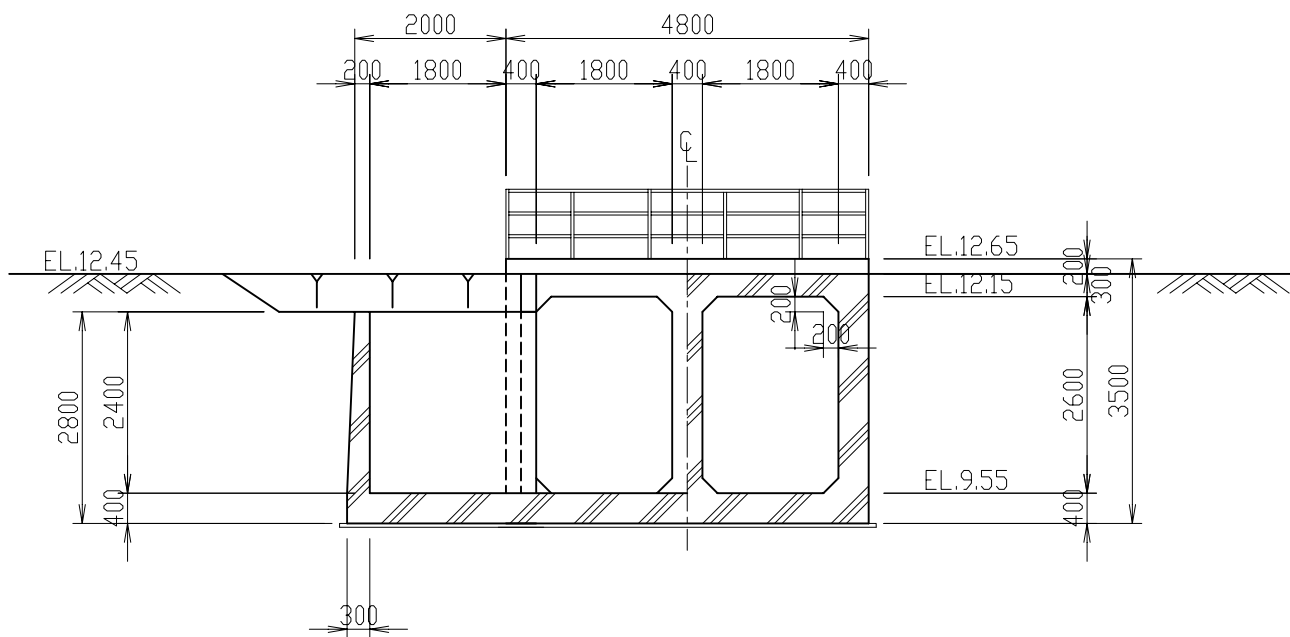
CHECK STRUCTURE-1 (2/2)



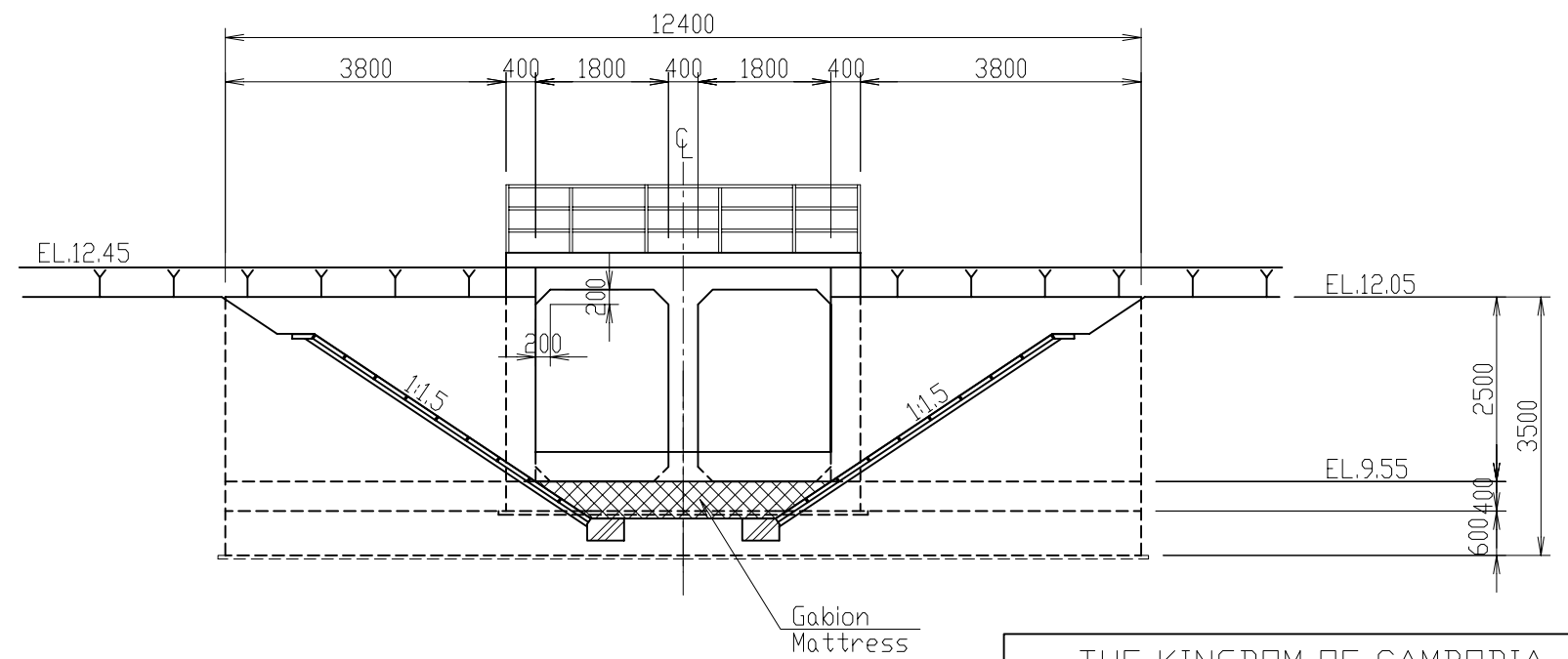
SECTION B-B S=1:100



SECTION C-C S=1:100



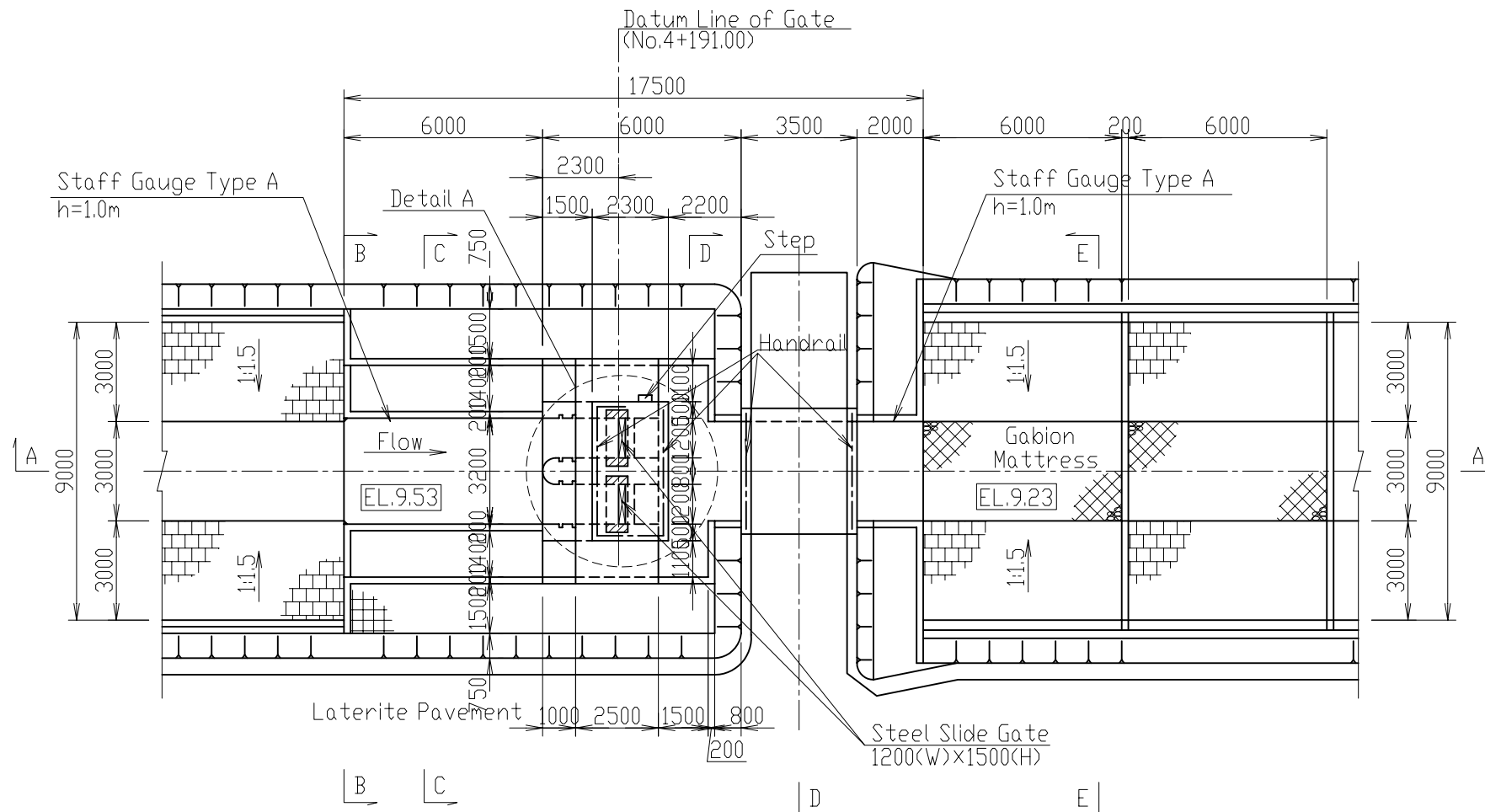
SECTION D-D S=1:100



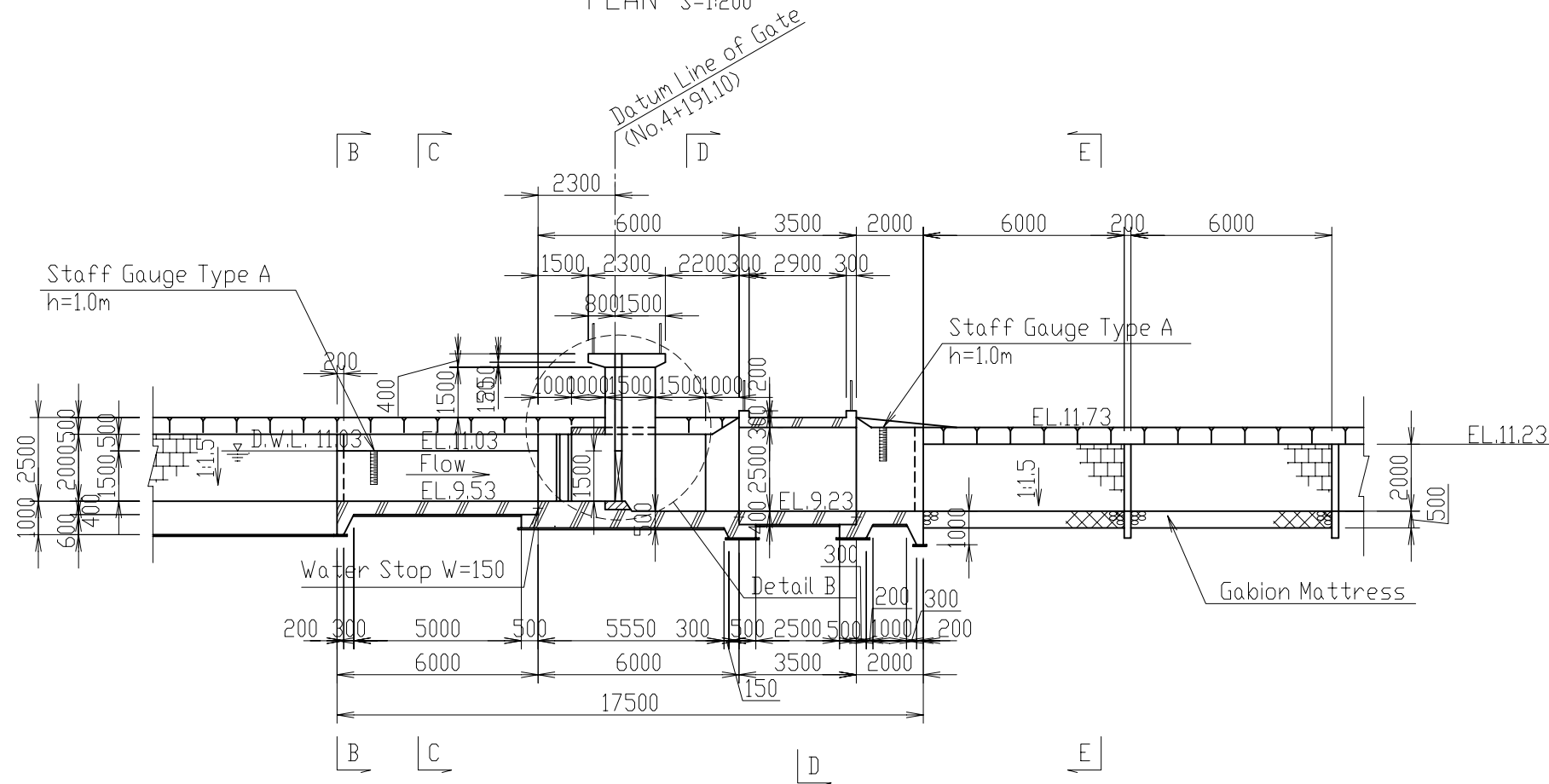
SECTION E-E S=1:100

THE KINGDOM OF CAMBODIA		
THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM		
TITLE OF DRAWING IRRIGATION SYSTEM CHECK STRUCTURE-1(2/2)		
DATE	DRAWING NO.	4-10
NIPPON KOEI CO., LTD., JAPAN		

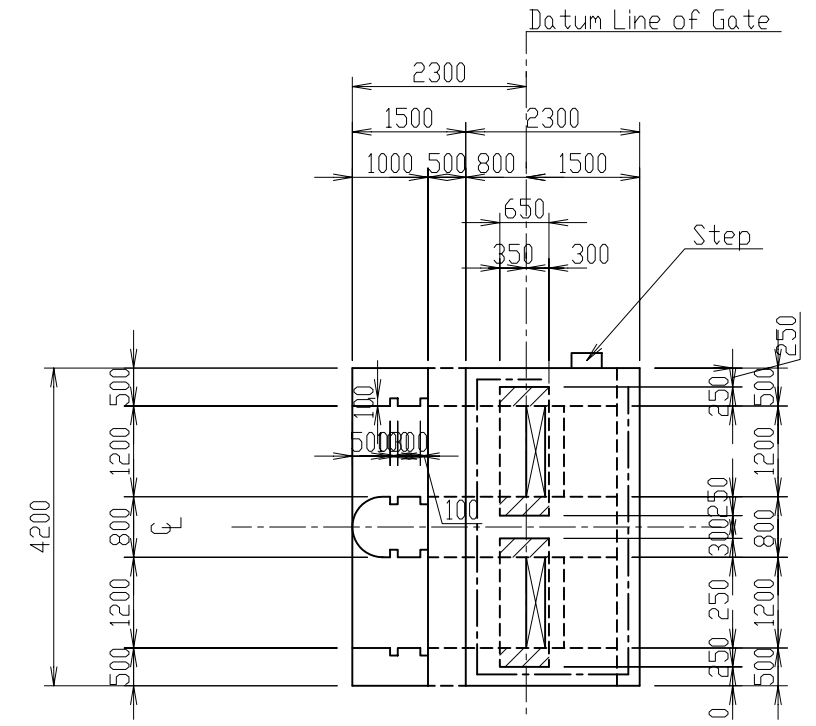
CHECK STRUCTURE-2 (1/2)



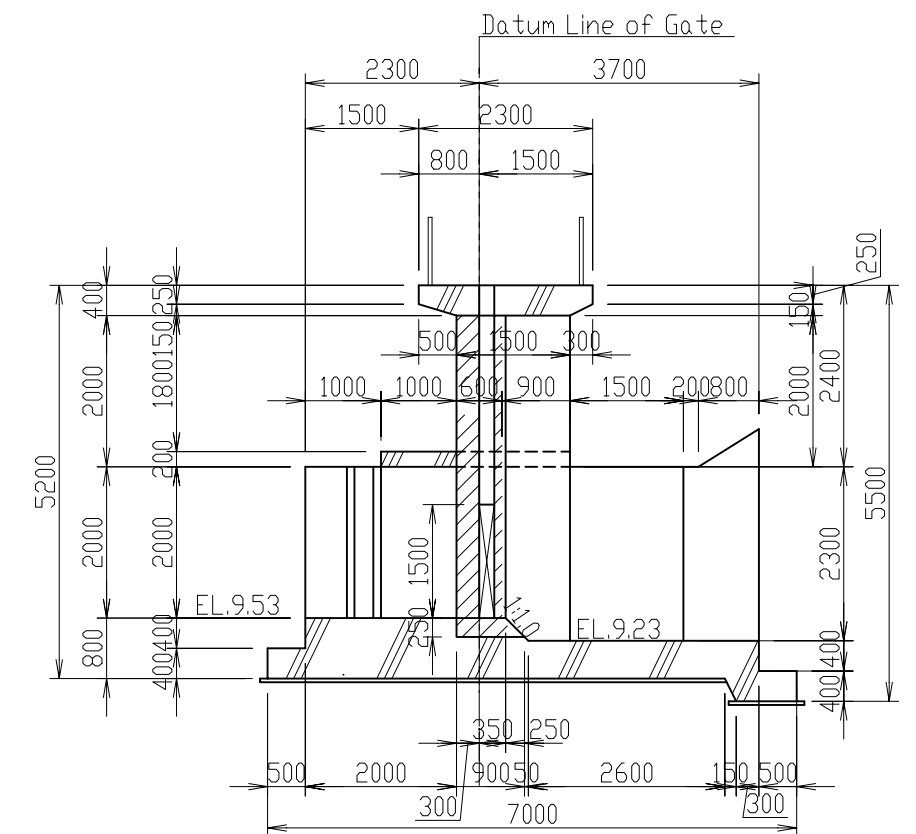
PLAN S=1:200



SECTION A-A S=1:200



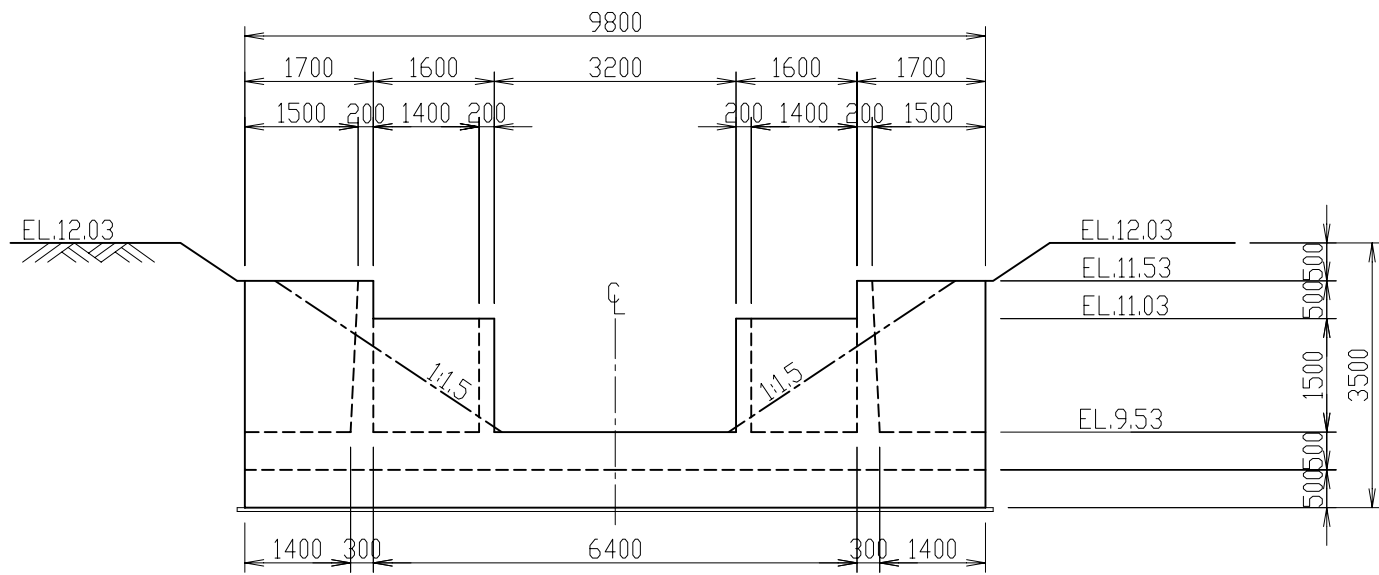
Detail A s=1:100



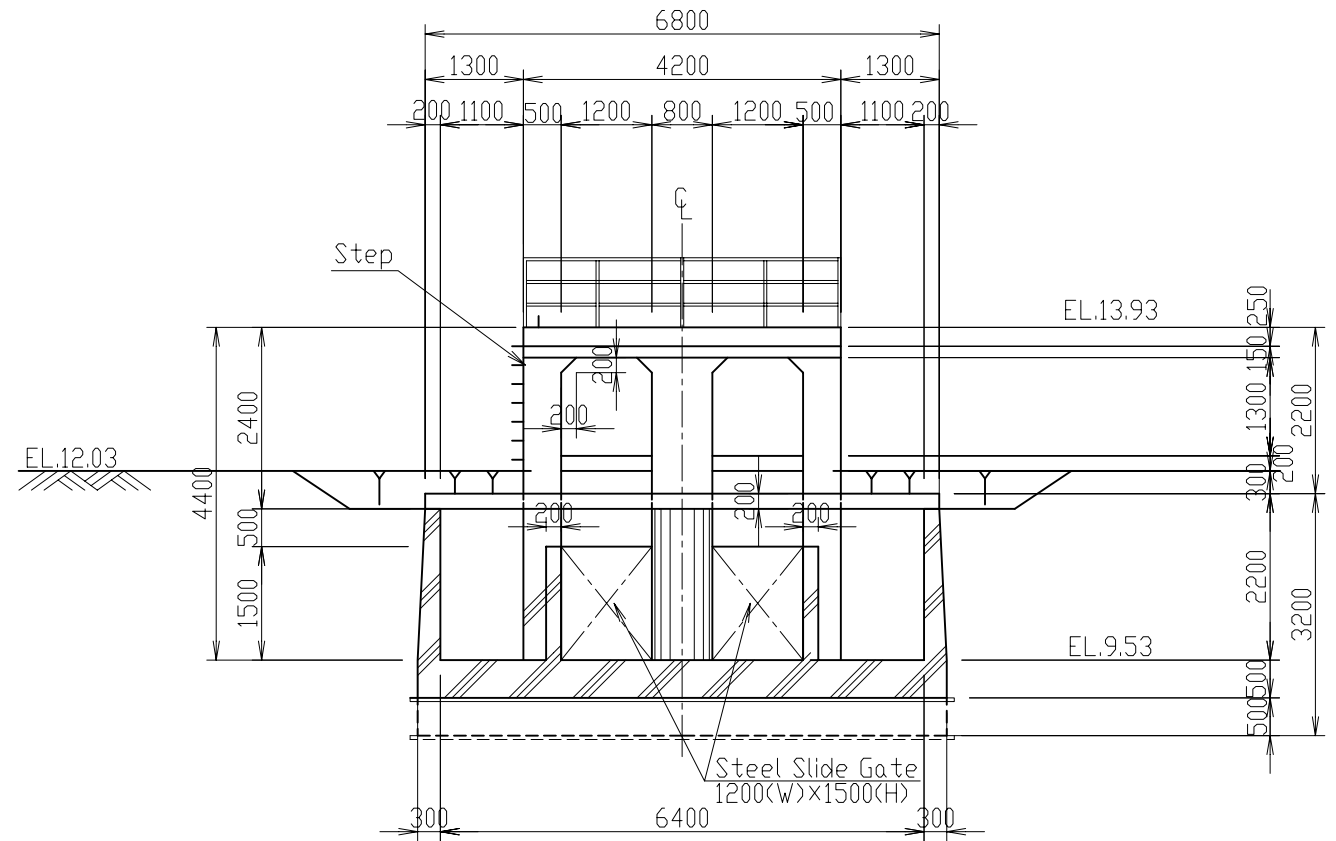
Detail B s=1:100

THE KINGDOM OF CAMBODIA		
THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM		
TITLE OF DRAWING IRRIGATION SYSTEM CHECK STRUCTURE-2(1/2)		
DATE	DRAWING NO.	4-11
NIPPON KOEI CO., LTD., JAPAN		

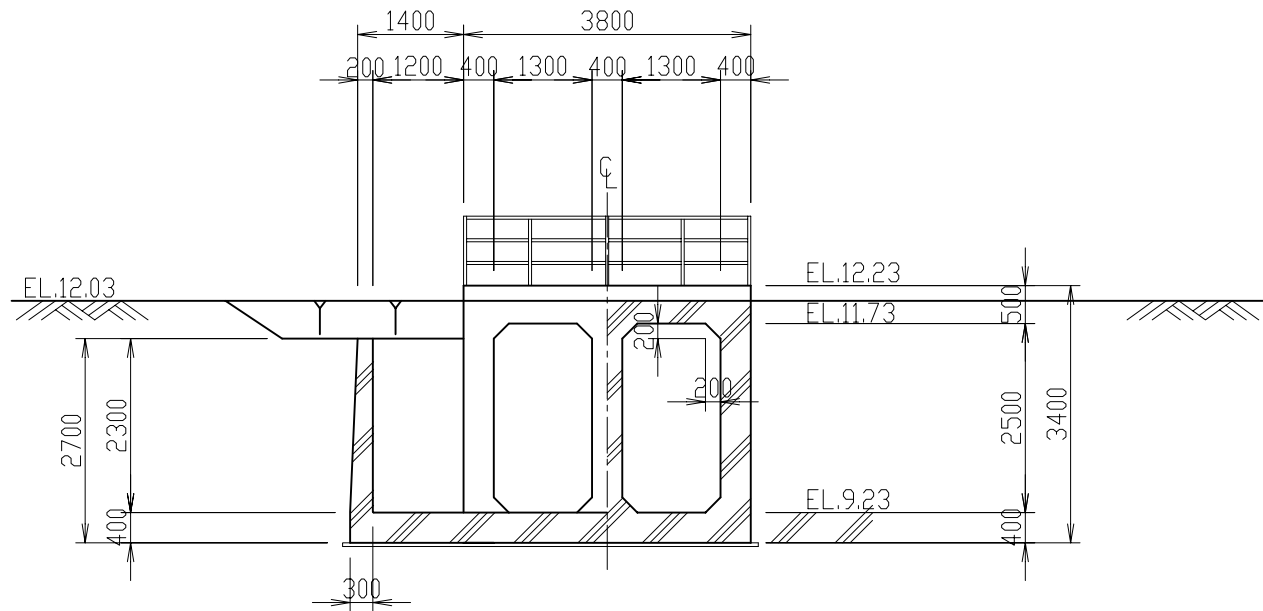
CHECK STRUCTURE-2 (2/2)



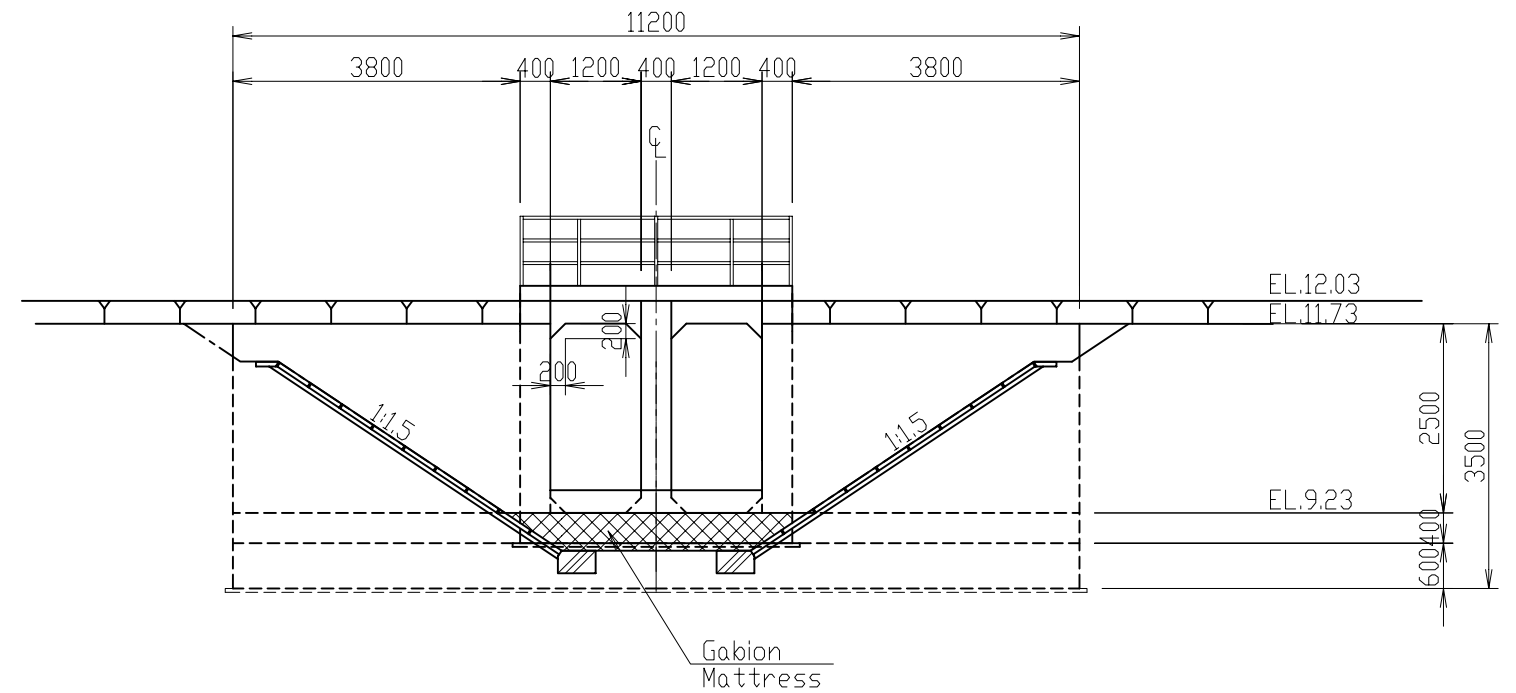
SECTION B-B S=1:100



SECTION C-C S=1:100



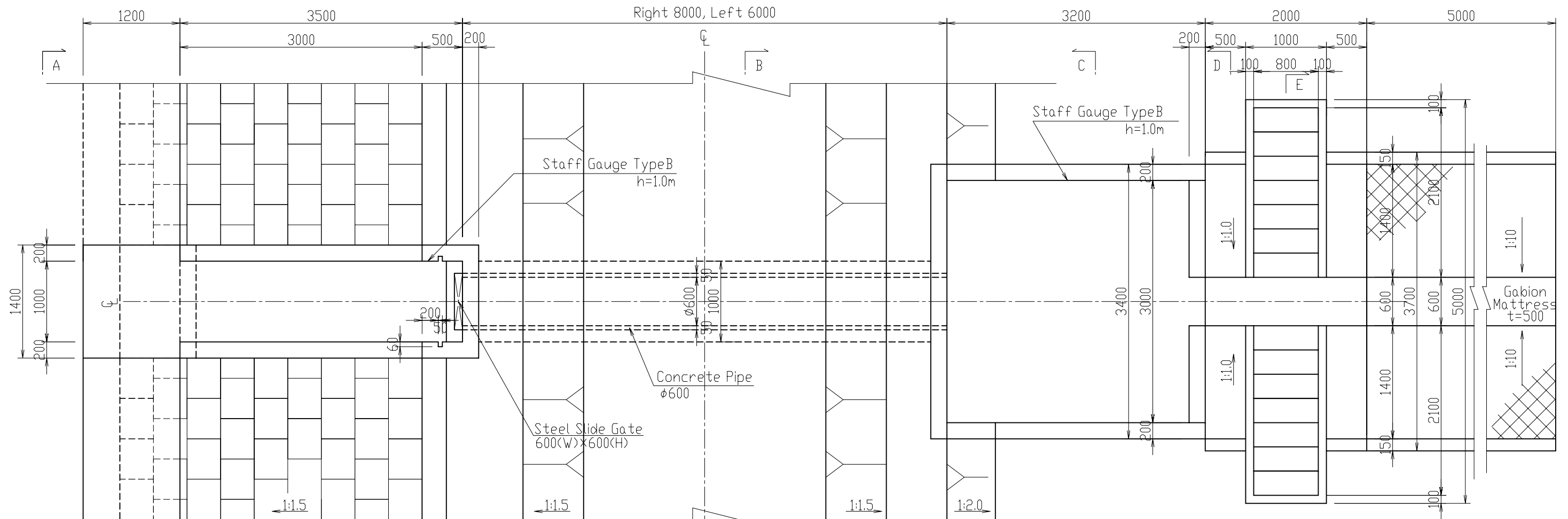
SECTION D-D S=1:100



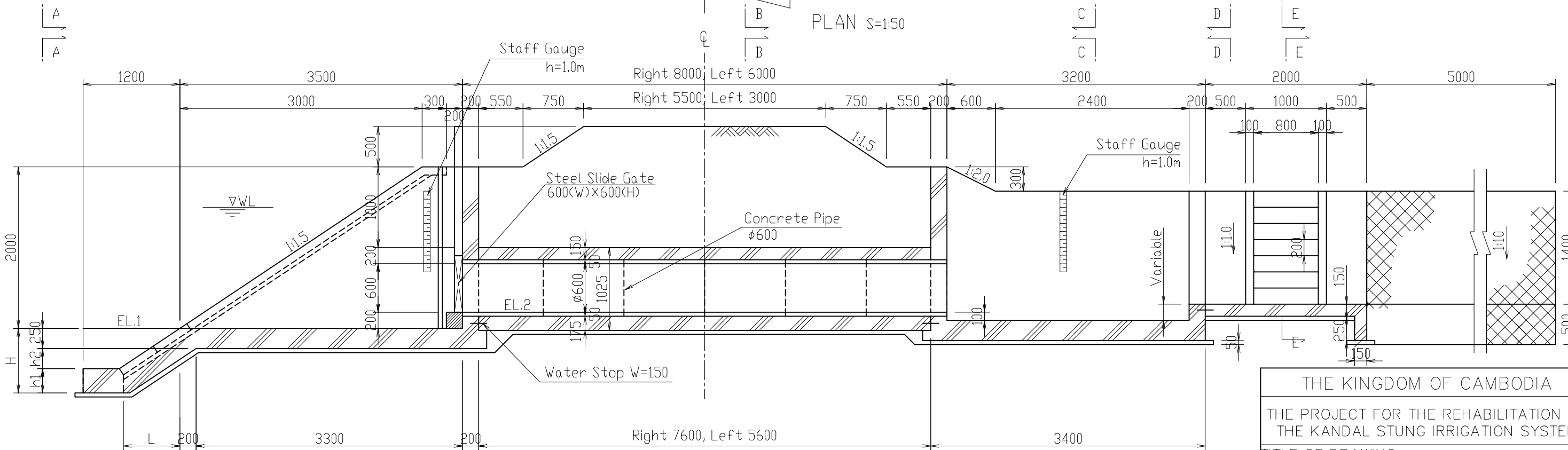
SECTION E-E S=1:100

THE KINGDOM OF CAMBODIA		
THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM		
TITLE OF DRAWING IRRIGATION SYSTEM CHECK STRUCTURE-2(2/2)		
DATE	DRAWING NO.	4-12
NIPPON KOEI CO., LTD., JAPAN		

TURNOUT, MAINTENANCE FLOW GATE (MG-3 to MG-6) (1/3)



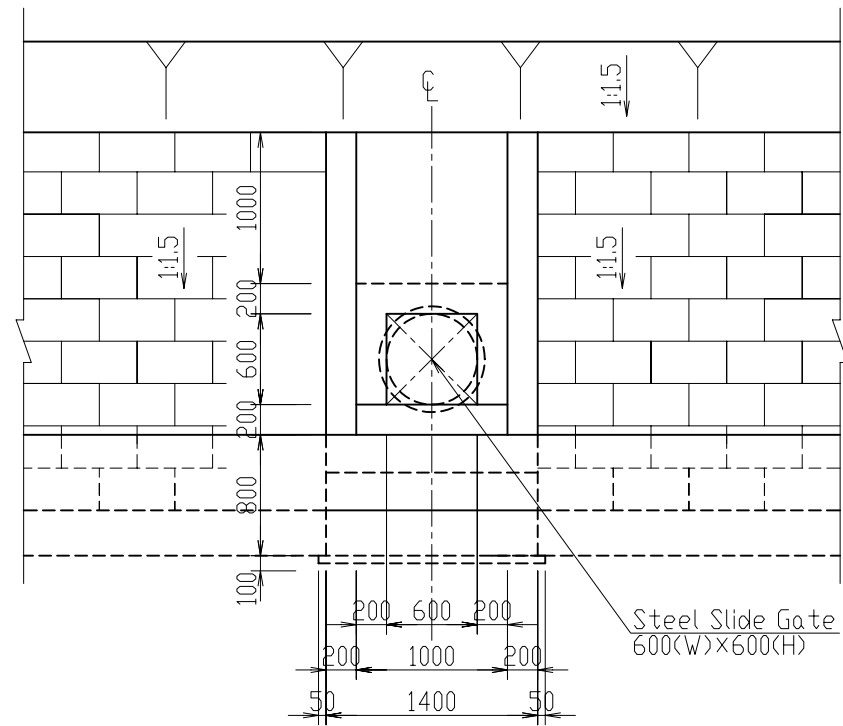
PLAN S=1:50



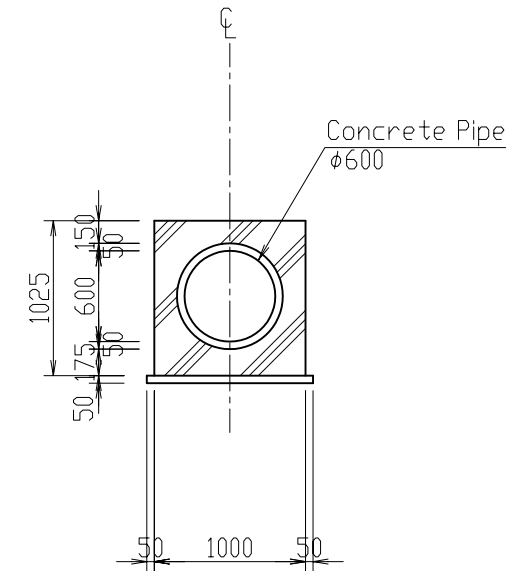
PROFILE S=1:50

THE KINGDOM OF CAMBODIA		
THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM		
TITLE OF DRAWING IRRIGATION SYSTEM TURNOUT, MAINTENANCE FLOW GATE (MG-3 to MG-6) (1/3)		
DATE	DRAWING NO.	4-13
NIPPON KOEI CO., LTD., JAPAN		

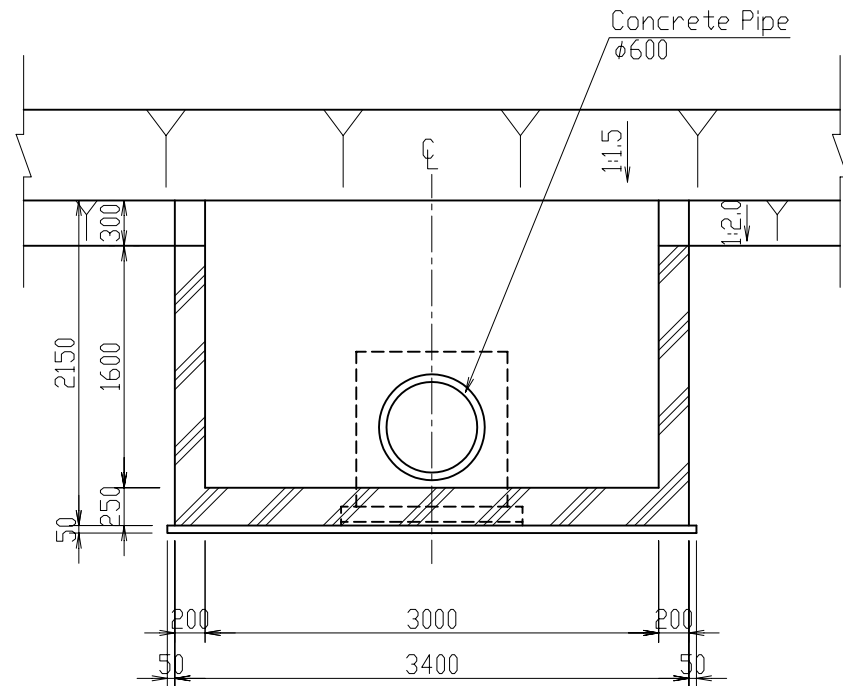
TURNOUT, MAINTENANCE FLOW GATE (MG-3 to MG-6) (2/3)



SECTION A-A S=1:50



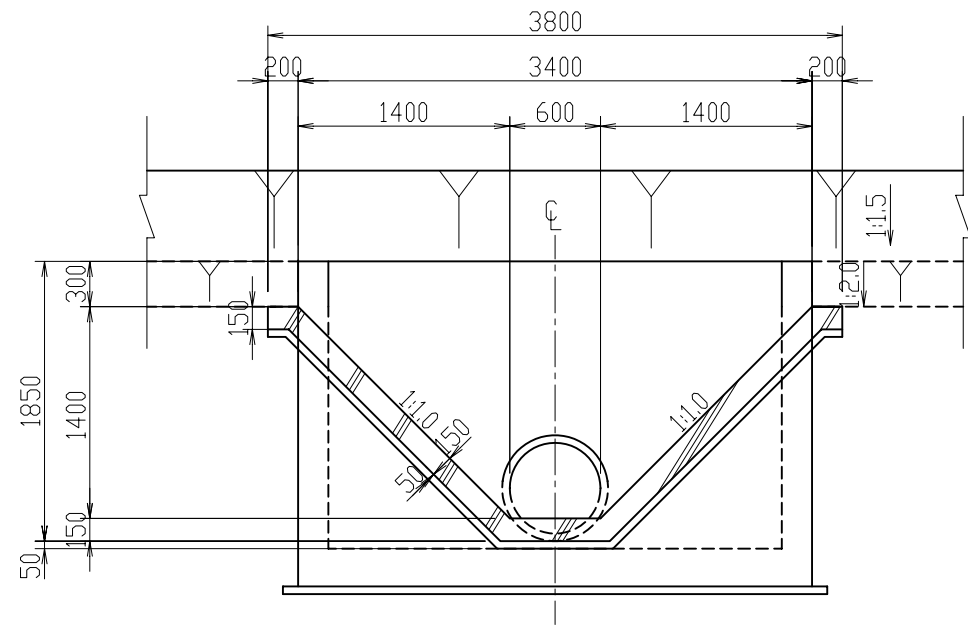
SECTION B-B S=1:50



SECTION C-C S=1:50

THE KINGDOM OF CAMBODIA		
THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM		
TITLE OF DRAWING IRRIGATION SYSTEM TURNOUT, MAINTENANCE FLOW GATE (MG-3 to MG-6) (2/3)		
DATE	DRAWING NO.	4-14
NIPPON KOEI CO., LTD., JAPAN		

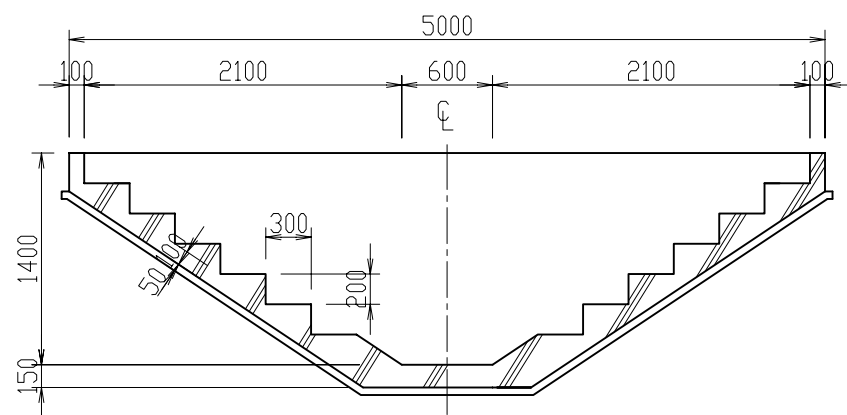
TURNOUT, MAINTENANCE FLOW GATE (MG-3 to MG-6) (3/3)



SECTION D-D S=1:50

DIMENSION TABLE (TURNOUT)

No.	Station No.	Side	Discharge (m ³ /s)	H (mm)	h1	h2	L	EL.1 (m)	EL.2 (m)	Remarks
T.O.1	0+225	Right	0.330	800	300	250	700	9.997	10.197	L-1
T.O.2	0+225	Left	0.021	800	300	250	700	9.997	10.197	T.1.1.0
T.O.3	0+590	Right	0.011	800	300	250	700	9.991	10.191	T.1.2.0
T.O.4	0+590	Left	0.011	800	300	250	700	9.991	10.191	T.1.3.0
T.O.5	0+945	Right	0.006	800	300	250	700	9.985	10.185	T.1.4.0
T.O.6	1+150	Right	0.020	800	300	250	700	9.980	10.180	T.1.5.0
T.O.7	1+150	Left	0.004	800	300	250	700	9.980	10.180	T.1.6.0
T.O.8	1+500	Right	0.022	800	300	250	700	9.974	10.174	T.1.7.0
T.O.9	1+760	Right	0.035	800	300	250	700	9.969	10.169	T.1.8.0
T.O.10	1+760	Left	0.004	800	300	250	700	9.969	10.169	T.1.9.0
T.O.11	2+170	Right	0.014	800	300	250	700	9.961	10.161	T.3.1.0
T.O.12	2+170	Left	0.034	800	300	250	700	9.961	10.161	T.2.1.0
T.O.13	2+670	Right	0.043	800	300	250	700	9.952	10.152	T.3.1.1
T.O.14	2+670	Left	0.027	800	300	250	700	9.952	10.152	T.2.2.0
T.O.15	2+950	Right	0.020	800	300	250	700	9.546	9.746	T.3.1.2
T.O.16	2+950	Left	0.024	800	300	250	700	9.546	9.746	T.2.3.0
T.O.17	3+175	Left	0.034	800	300	250	700	9.542	9.742	T.2.4.0
T.O.18	3+475	Left	0.029	800	300	250	700	9.536	9.736	T.2.5.0
T.O.19	3+825	Left	0.046	800	300	250	700	9.531	9.731	T.2.6.0
T.O.20	4+175	Left	0.071	800	300	250	700	9.526	9.726	T.2.7.0
T.O.21	4+687	Right	0.297	See Drawing No.4-16,17 Turnout(T.O.21),Maintenance Flow Gate						L-3(S)
T.O.22	4+675	Left	0.064	800	300	250	700	9.218	9.418	L-3(N)
T.O.23	5+165	Right	0.081	500	200	50	400	9.212	9.412	T.3.7.0
T.O.24	5+165	Left	0.084	500	200	50	400	9.212	9.412	T.2.8.0
T.O.25	5+315	Right	0.365	See Drawing No.4-20 to 24 End Structure						L-5
T.O.26	5+315	Left	0.373	See Drawing No.4-20 to 24 End Structure						L-4



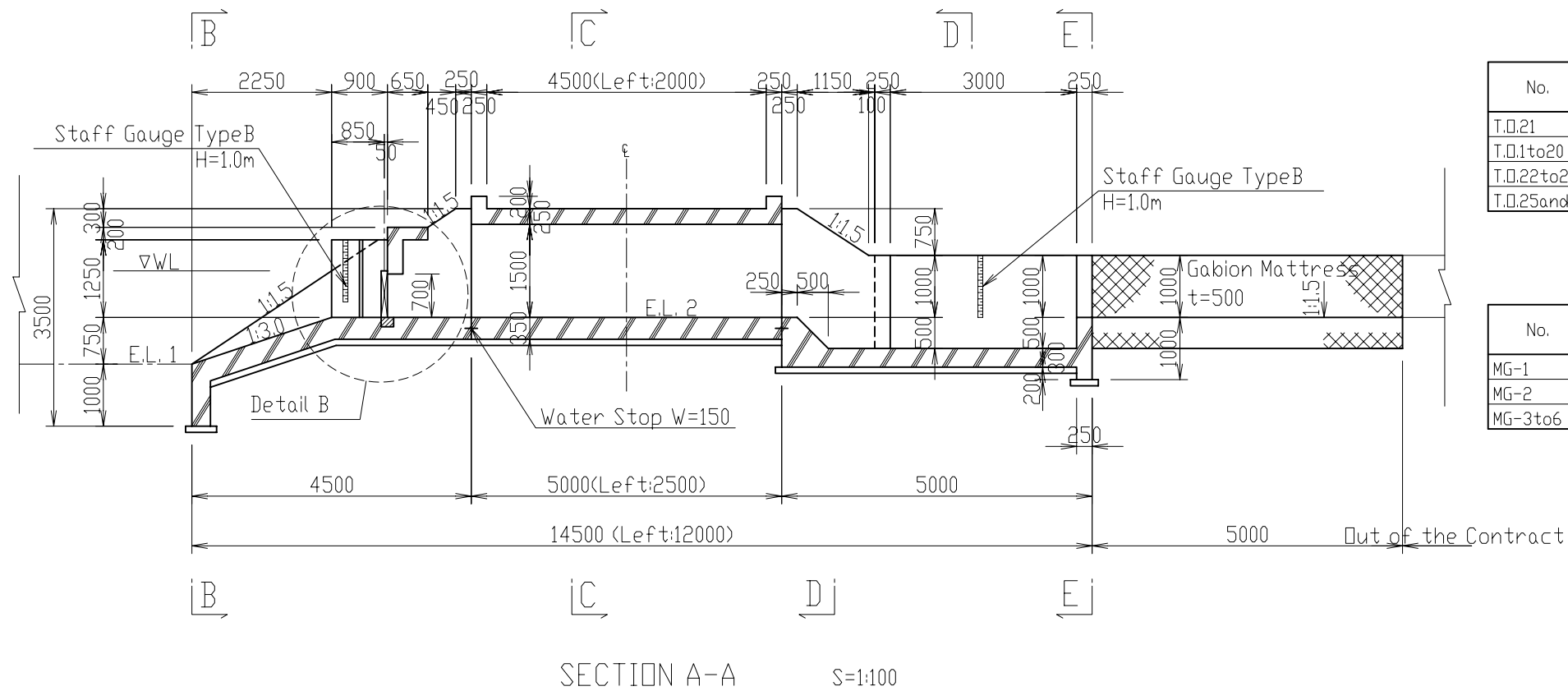
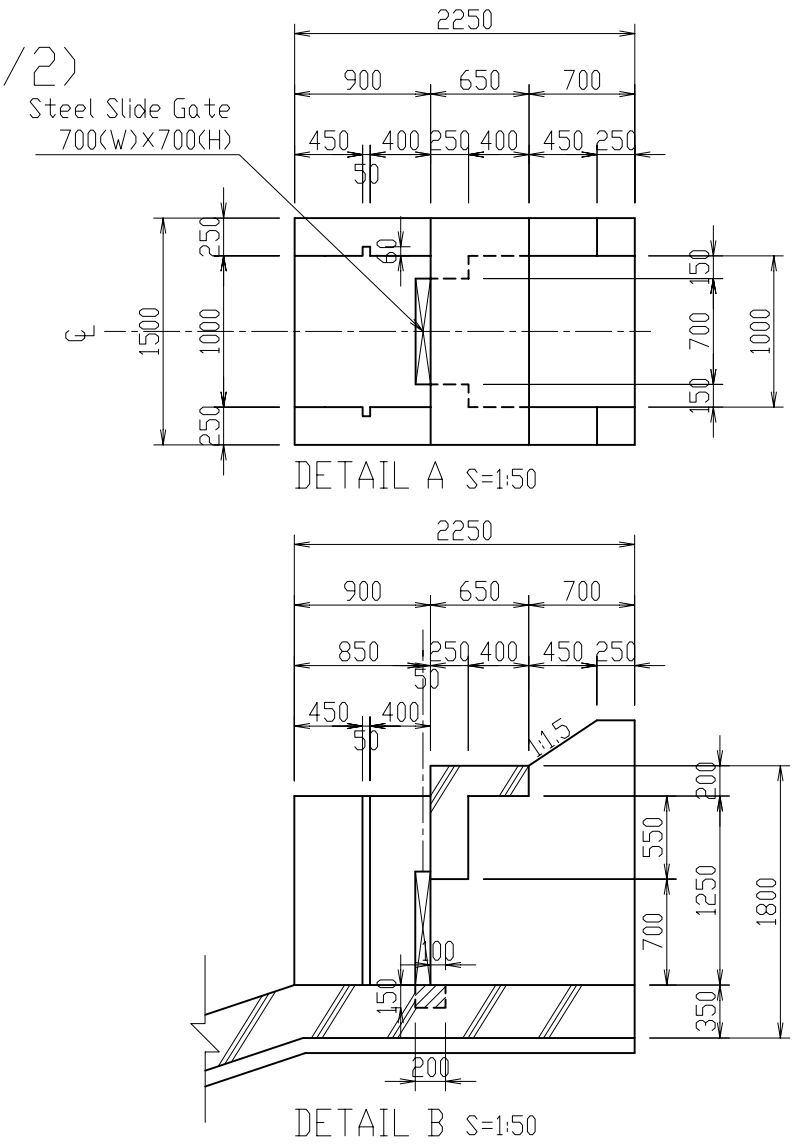
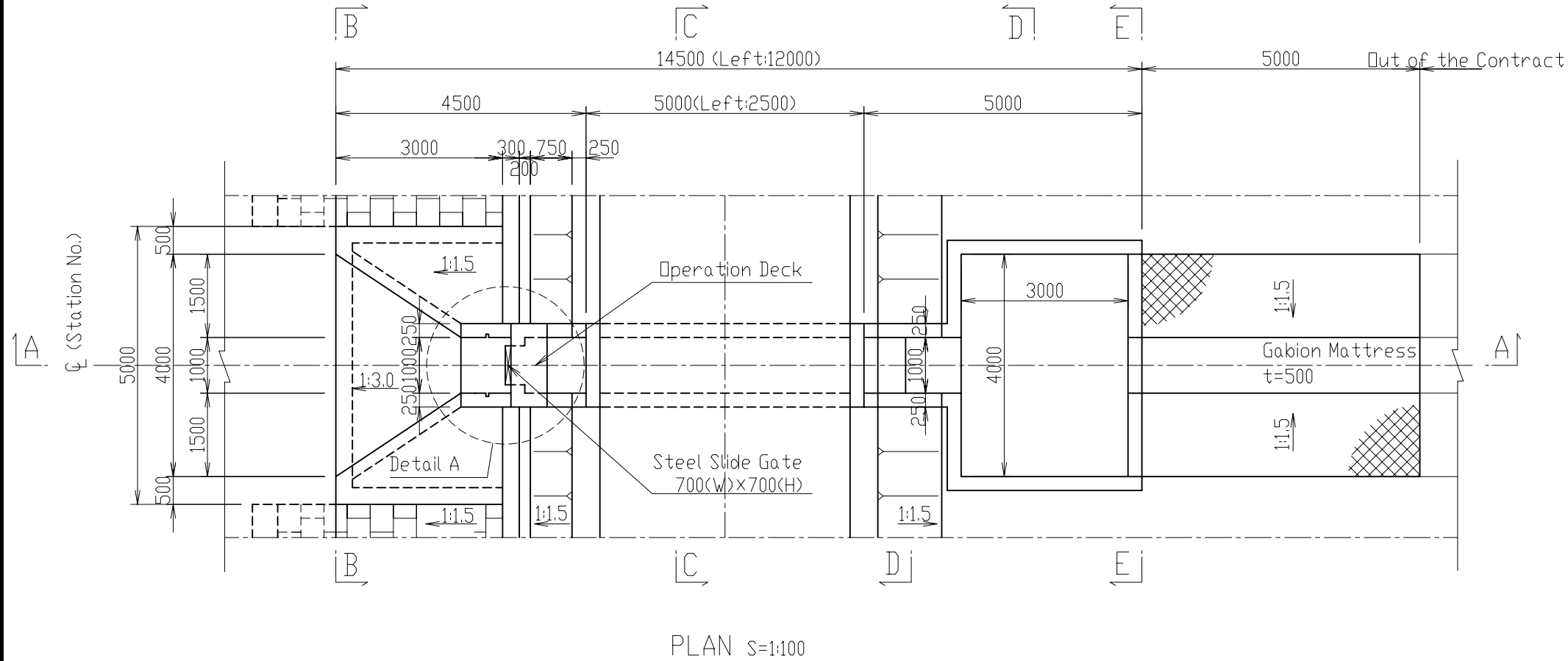
SECTION E-E S=1:50

DIMENSION TABLE (MAINTENANCE FLOW GATE)

No.	Station No.	Side	EL.1 (m)	EL.2 (m)	Remarks
MG-1	0+850	Right	9.668	10.418	See Drawing No.4-16 Turnout(T.O.21),Maintenance Flow Gate
MG-2	0+850	Left	9.668	10.418	See Drawing No.4-16 Turnout(T.O.21),Maintenance Flow Gate
MG-3	1+100	Right	9.982	10.182	
MG-4	1+300	Right	9.977	10.177	
MG-5	1+300	Left	9.977	10.177	
MG-6	1+430	Right	9.975	10.175	

THE KINGDOM OF CAMBODIA		
THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM		
TITLE OF DRAWING		
IRRIGATION SYSTEM		
TURNOUT, MAINTENANCE FLOW GATE(MG-3 to MG-6)(3/3)		
DATE	DRAWING NO.	4-15
NIPPON KOEI CO., LTD., JAPAN		

TURNOUT (T.O.21), MAINTENANCE FLOW GATE (MG-1, MG-2) (1/2)



DIMENSION TABLE (TURNOUT)

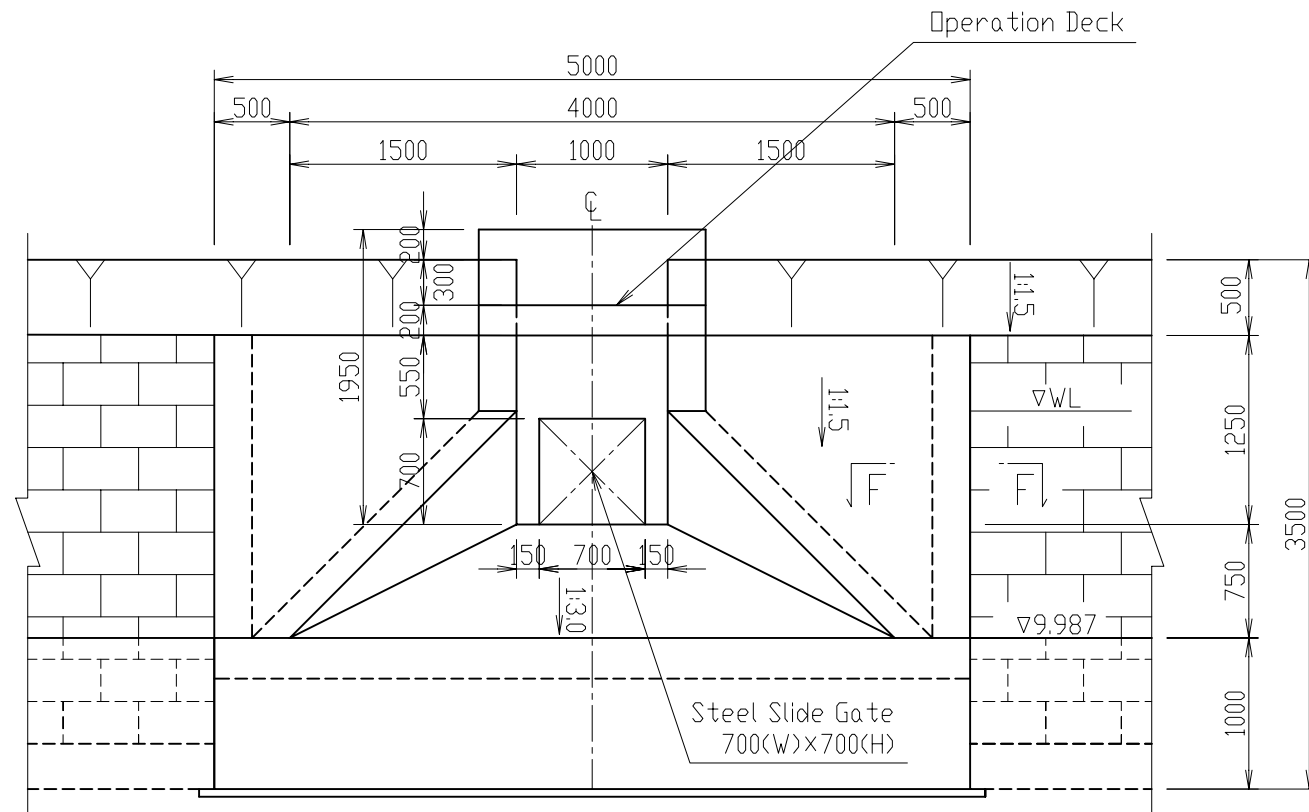
No.	Station No.	Side	Discharge (m ³ /s)	EL.1 (m)	EL.2 (m)	Remarks
T.O.21	4+687	Right	0.297	9.217	9.967	L-3(S)
T.O.1 to 20	See Drawing No.4-13 to 15 Turnout, Maintenance Flow Gate (MG-3 to 6)					
T.O.22 to 24	See Drawing No.4-13 to 15 Turnout, Maintenance Flow Gate (MG-3 to 6)					
T.O.25 and 26	See Drawing No.4-20 to 24 End Structure					

DIMENSION TABLE (MAINTENANCE FLOW GATE)

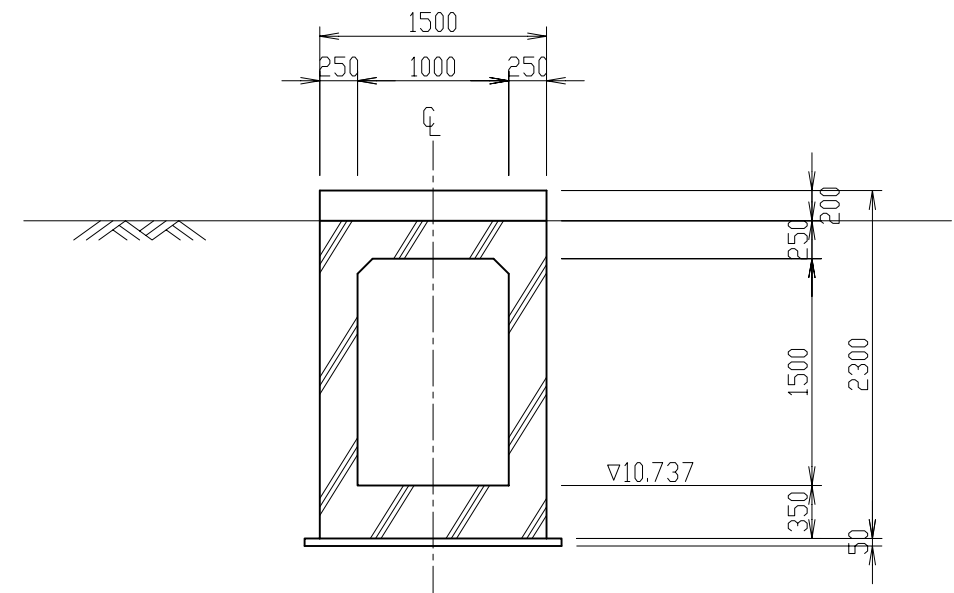
No.	Station No.	Side	EL.1 (m)	EL.2 (m)	Remarks
MG-1	0+850	Right	9.668	10.418	
MG-2	0+850	Left	9.668	10.418	
MG-3 to 6	See Drawing No.4-13 to 15 Turnout, Maintenance Flow Gate (MG-3 to 6)				

THE KINGDOM OF CAMBODIA		
THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM		
TITLE OF DRAWING		
IRRIGATION SYSTEM		
TURNOUT (T.O.21), MAINTENANCE FLOW GATE (MG-1, MG-2) (1/2)		
DATE	DRAWING NO.	4-16
NIPPON KOEI CO., LTD., JAPAN		

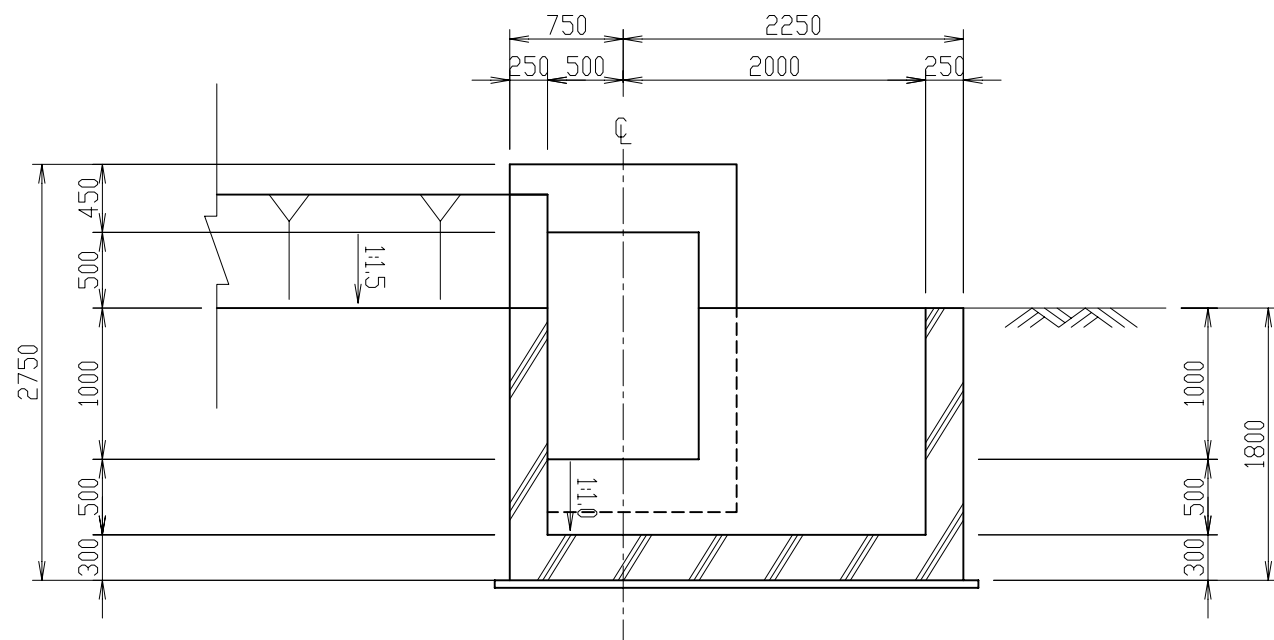
TURNOUT(T.O.21), MAINTENANCE FLOW GATE (MG-1, MG-2) (2/2)



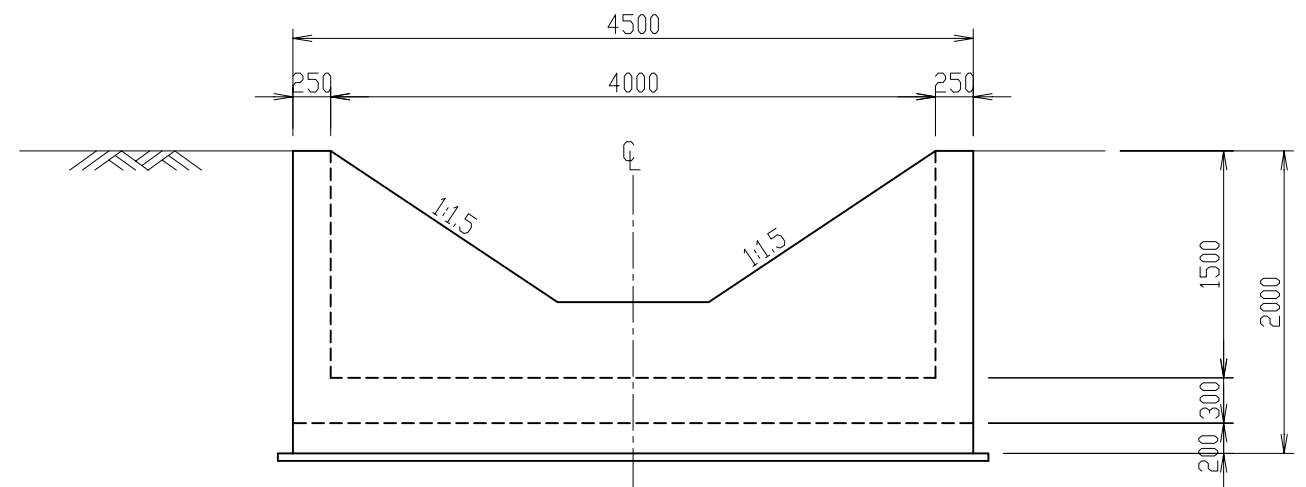
SECTION B - B s=1:50



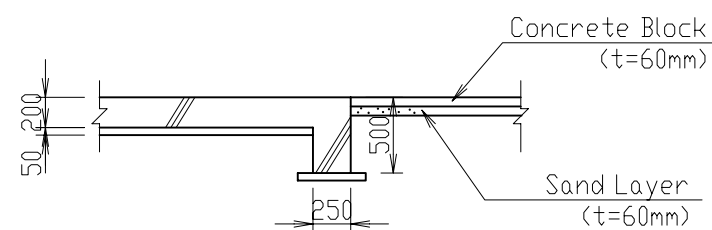
SECTION C - C s=1:50



SECTION D - D s=1:50



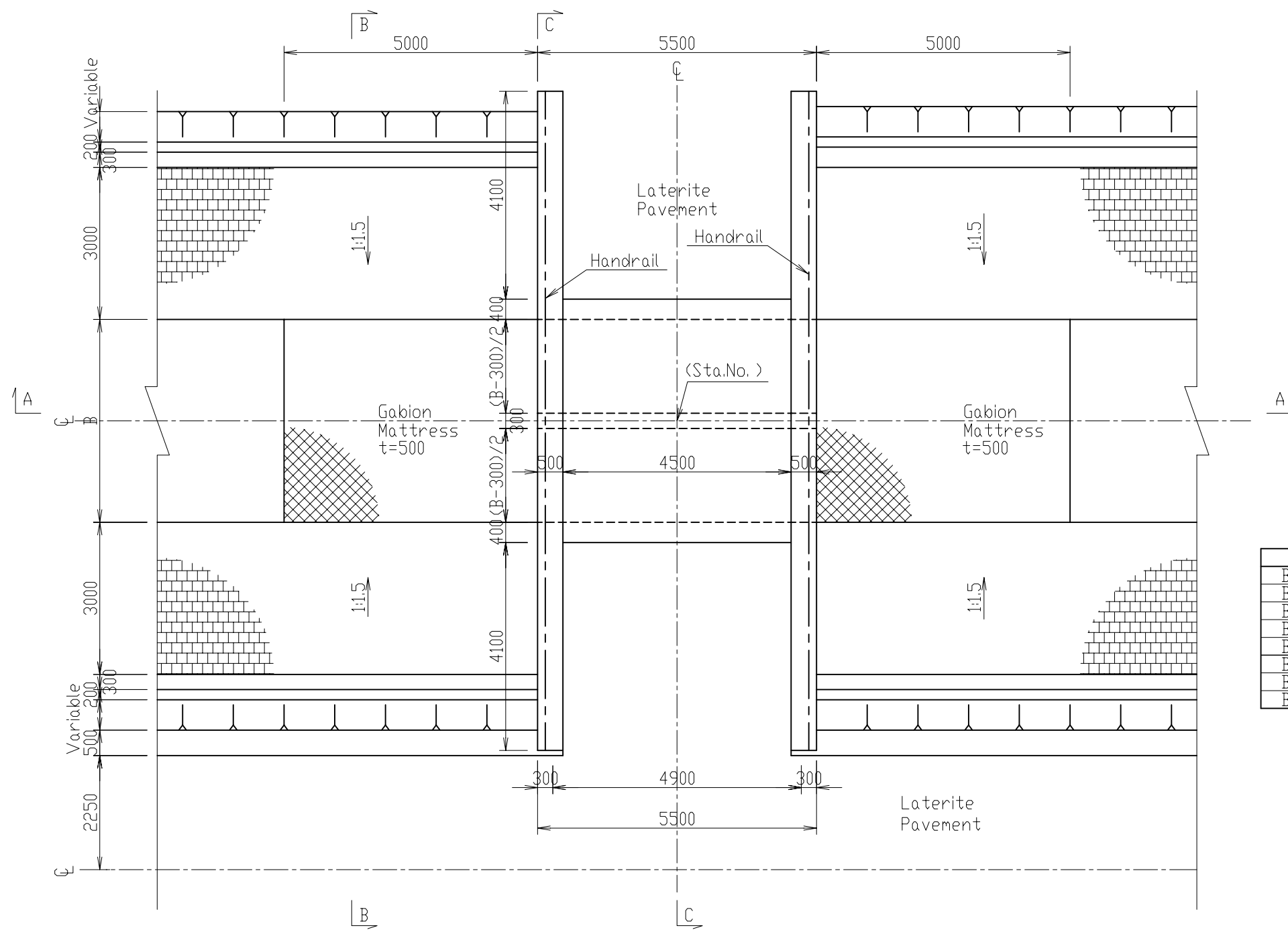
SECTION E - E s=1:50



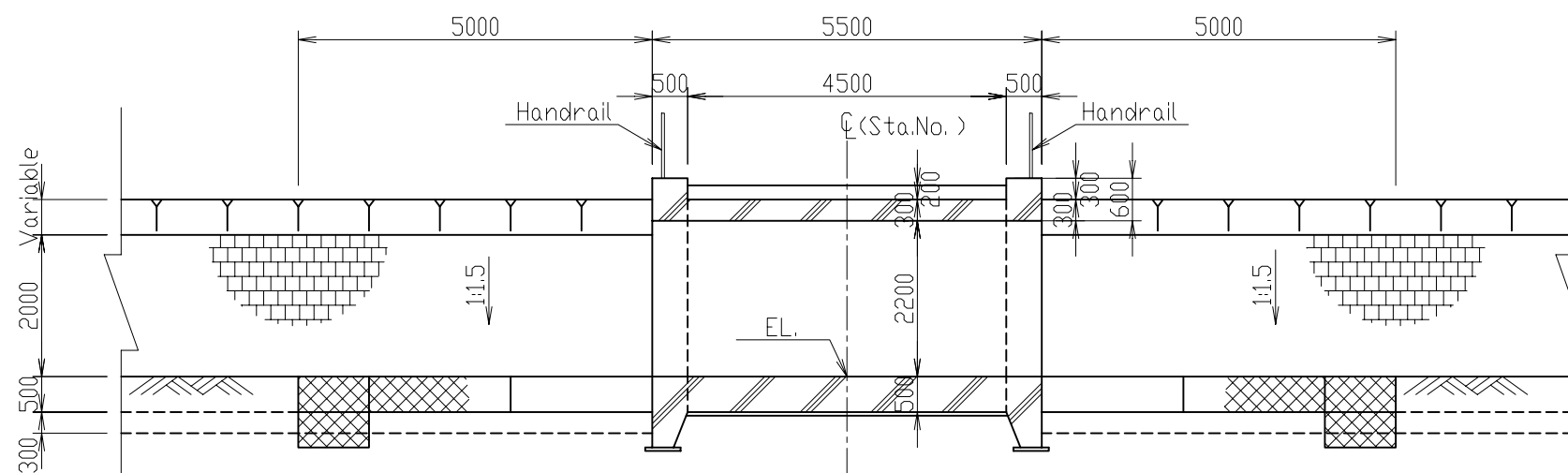
SECTION F - F s=1:50

THE KINGDOM OF CAMBODIA		
THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM		
TITLE OF DRAWING IRRIGATION SYSTEM TURNOUT(T.O.21), MAINTENANCE FLOW GATE (MG-1, MG-2) (2/2)		
DATE	DRAWING NO.	4-17
NIPPON KOEI CO., LTD., JAPAN		

BOX CULVERT (1/2)



PLAN S=1:100



SECTION A-A S=1:100

DIMENSION TABLE

No.	Stasion No.	EL.(m)	B.(m)	Remarks
BXC-1	1+122	9.981	5.000	Two-box type
BXC-2	1+530	9.973	5.000	
BXC-3	1+972	9.965	4.000	
BXC-4	3+185	9.541	3.000	One-box type
BXC-5	3+685	9.533	3.000	
BXC-6	4+405	9.222	3.000	
BXC-7	4+697	9.217	2.000	
BXC-8	5+190	9.211	2.000	

THE KINGDOM OF CAMBODIA

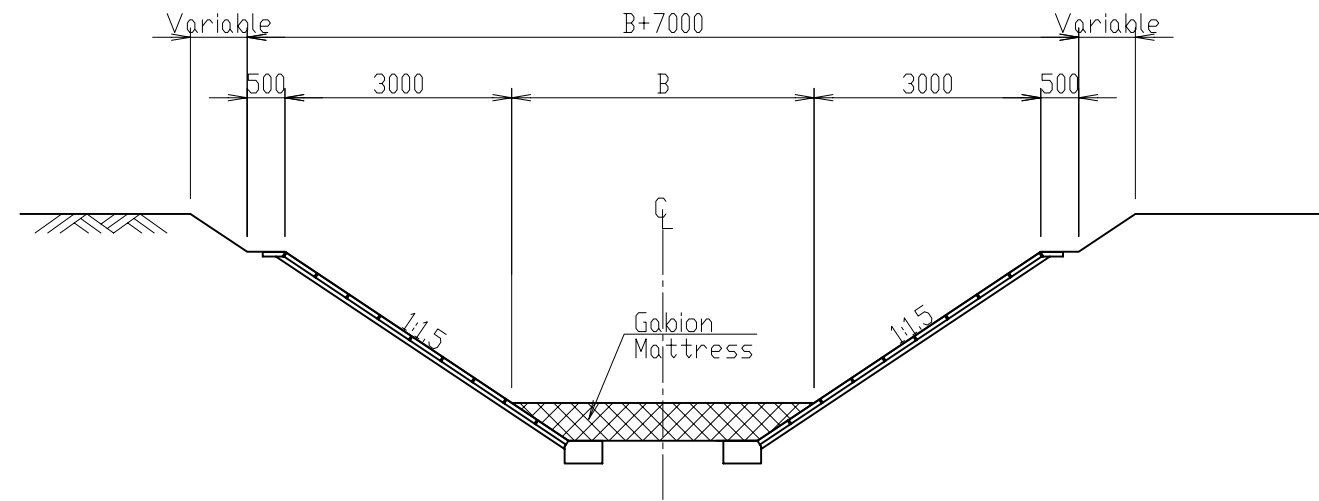
THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM

TITLE OF DRAWING
IRRIGATION SYSTEM
BOX CULVERT (1/2)

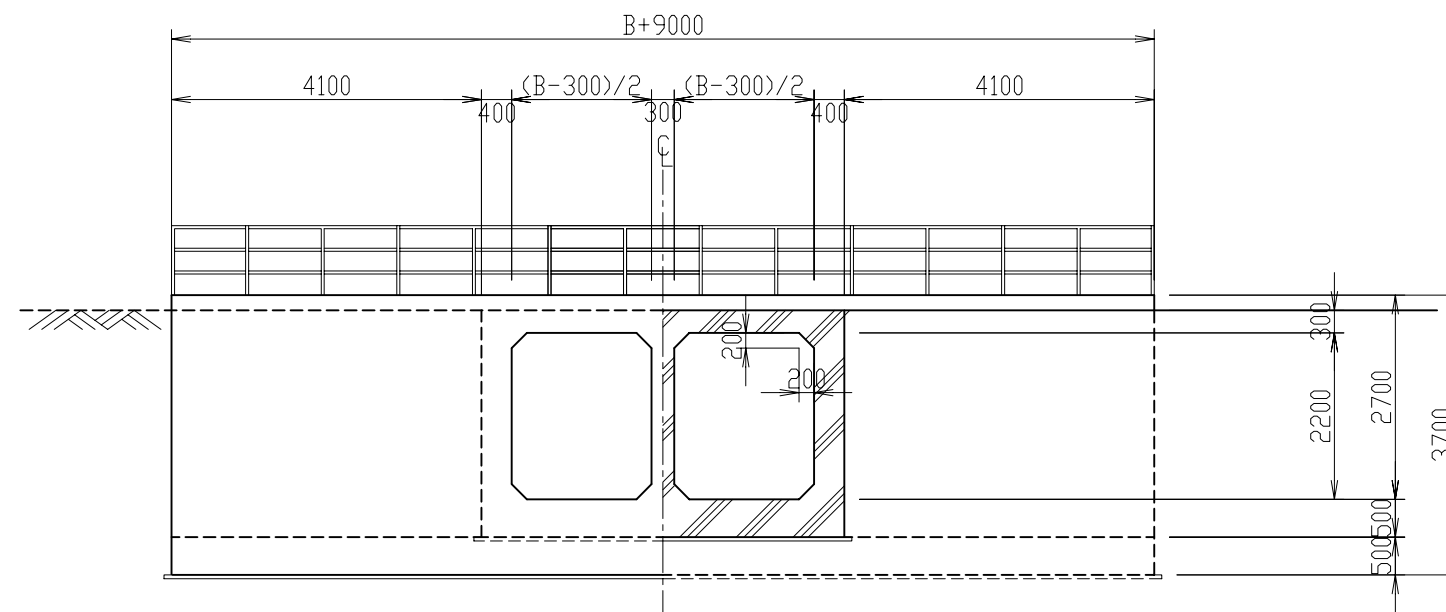
DATE _____ DRAWING NO. 4-18

NIPPON KOEI CO., LTD., JAPAN

BOX CULVERT (2/2)

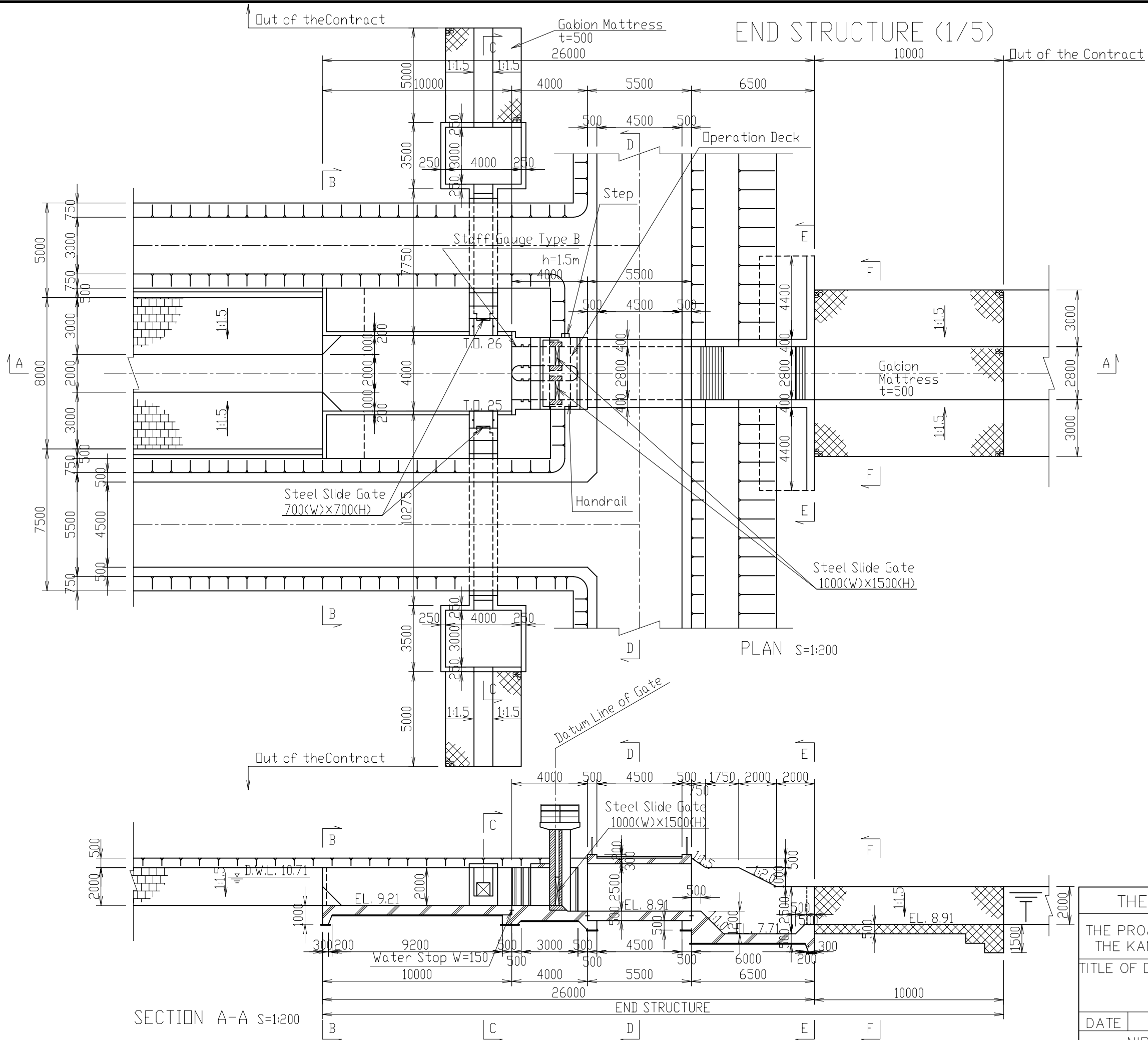


SECTION B-B s=1:100



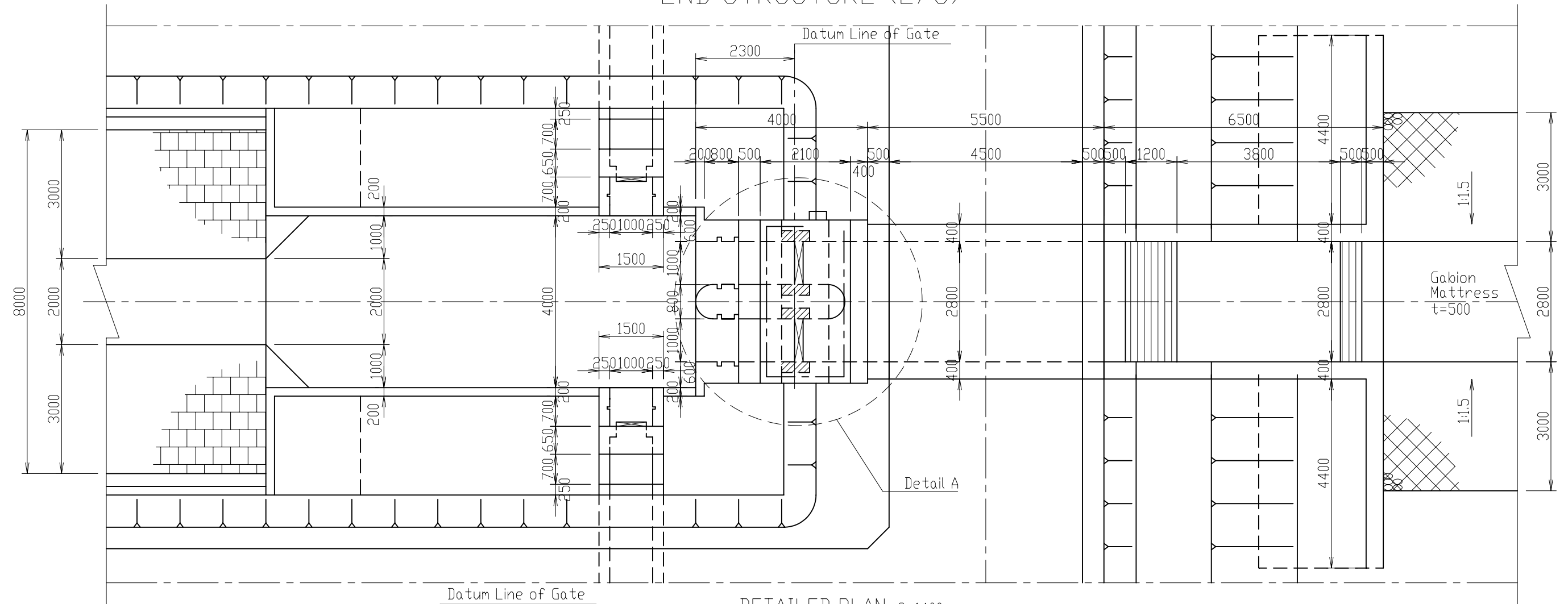
SECTION C-C s=1:100

THE KINGDOM OF CAMBODIA		
THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM		
TITLE OF DRAWING IRRIGATION SYSTEM BOX CULVERT (2/2)		
DATE	DRAWING NO.	4-19
NIPPON KOEI CO., LTD., JAPAN		

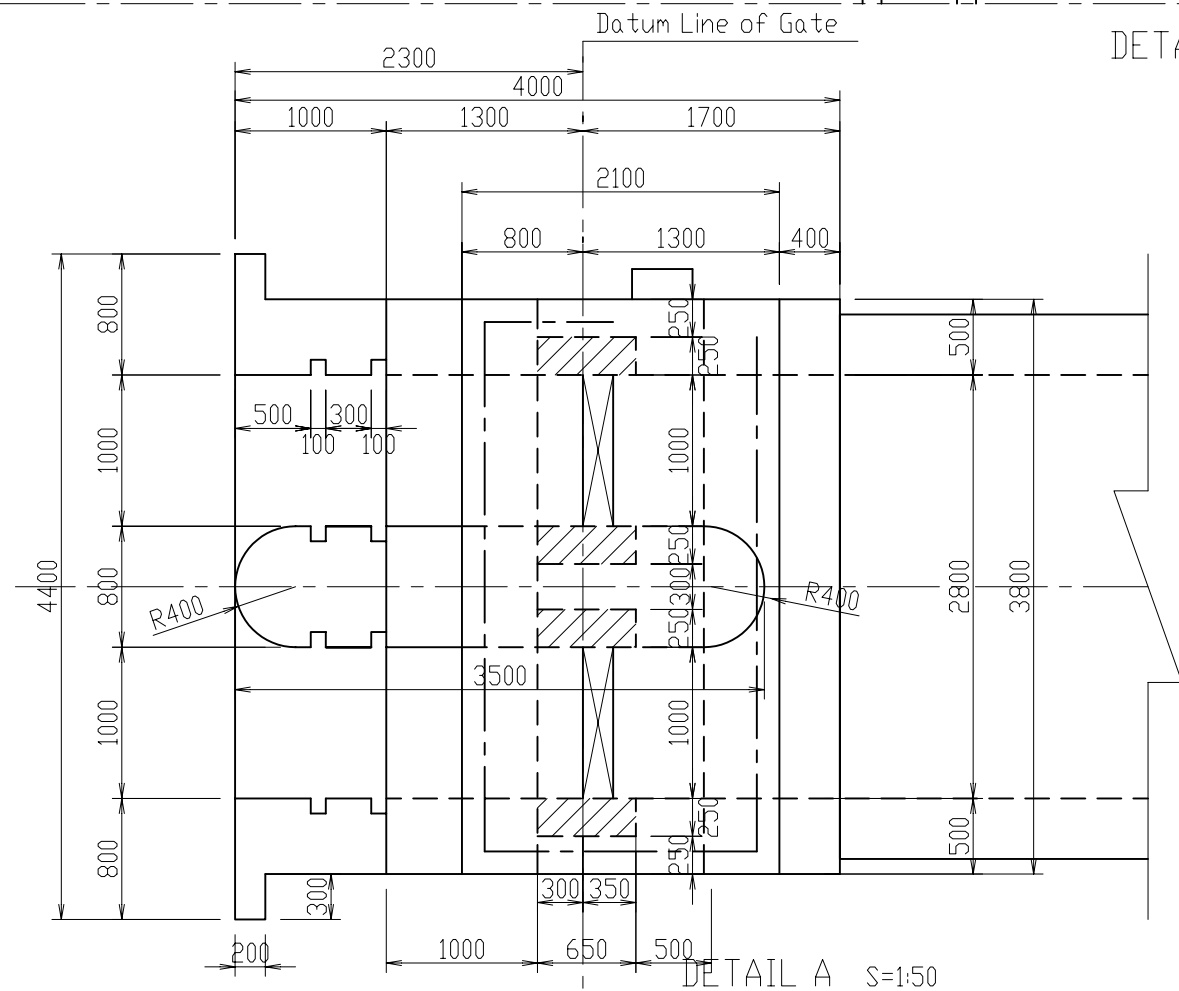


THE KINGDOM OF CAMBODIA		
THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM		
TITLE OF DRAWING		
IRRIGATION SYSTEM		
END STRUCTURE (1/5)		
DATE	DRAWING NO.	4-20
NIPPON KOEI CO., LTD., JAPAN		

END STRUCTURE (2/5)



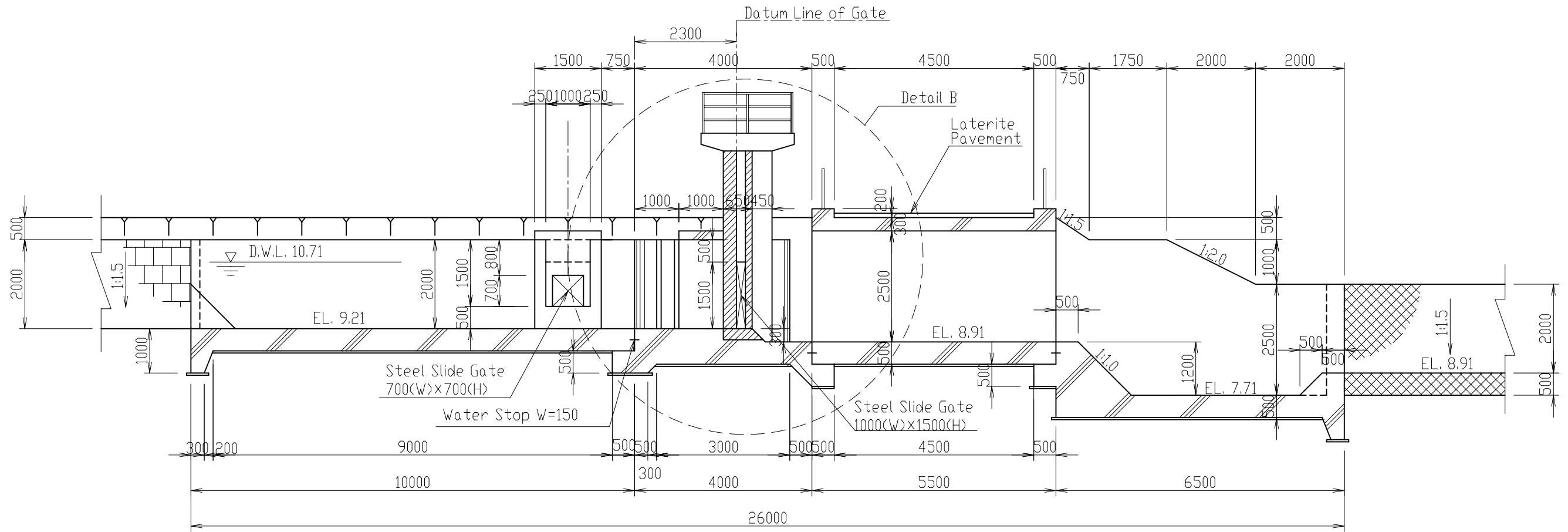
DETAILED PLAN S=1:100



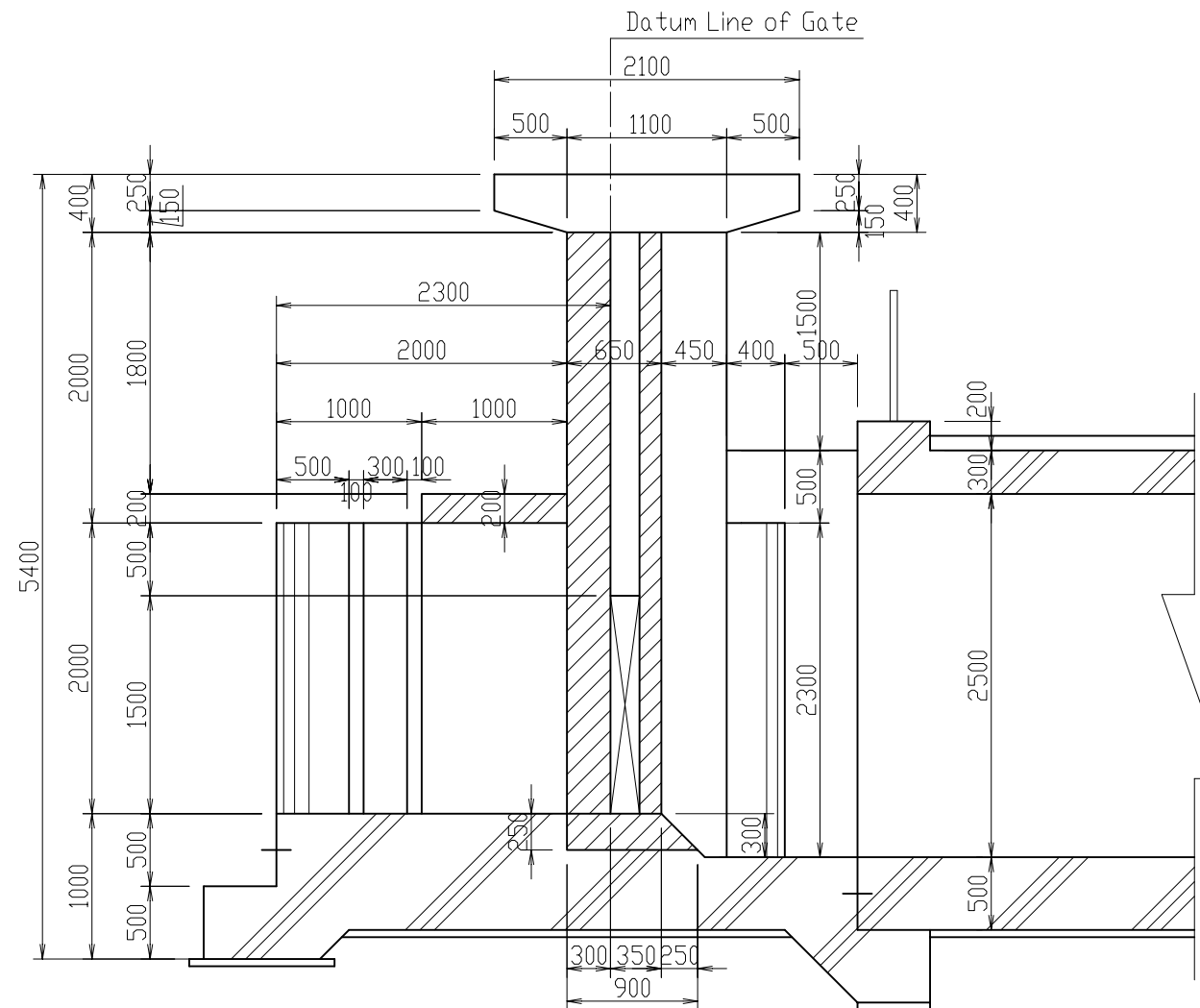
DETAIL A S=1:50

THE KINGDOM OF CAMBODIA		
THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM		
TITLE OF DRAWING		
IRRIGATION SYSTEM		
END STRUCTURE (2/5)		
DATE	DRAWING NO.	4-21
NIPPON KOEI CO., LTD., JAPAN		

END STRUCTURE (3/5)



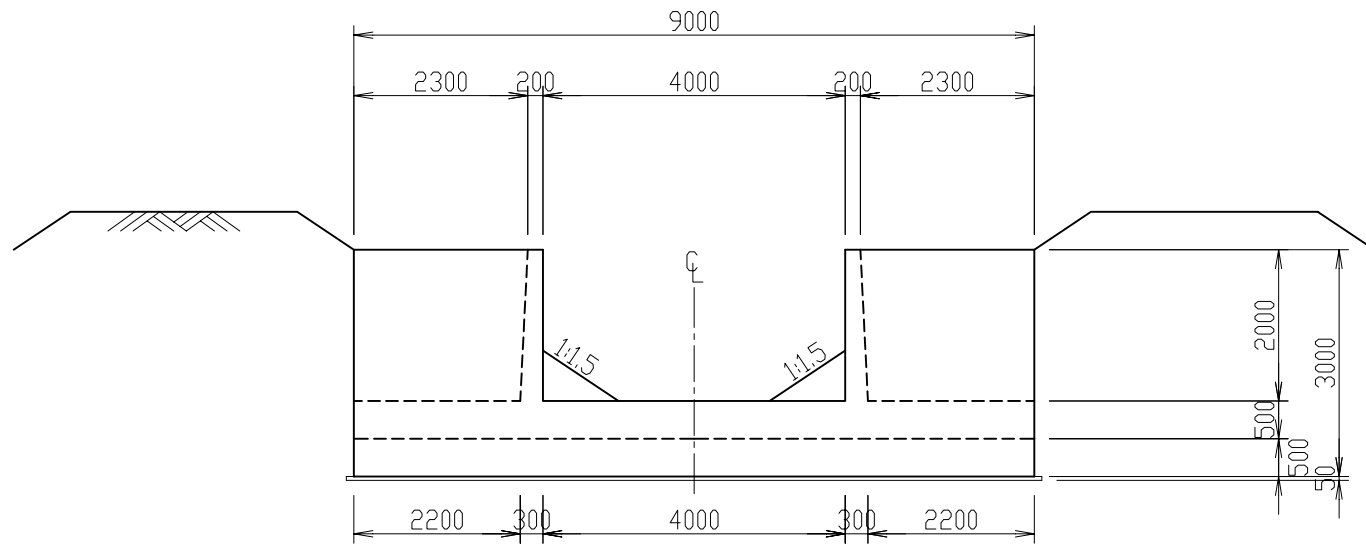
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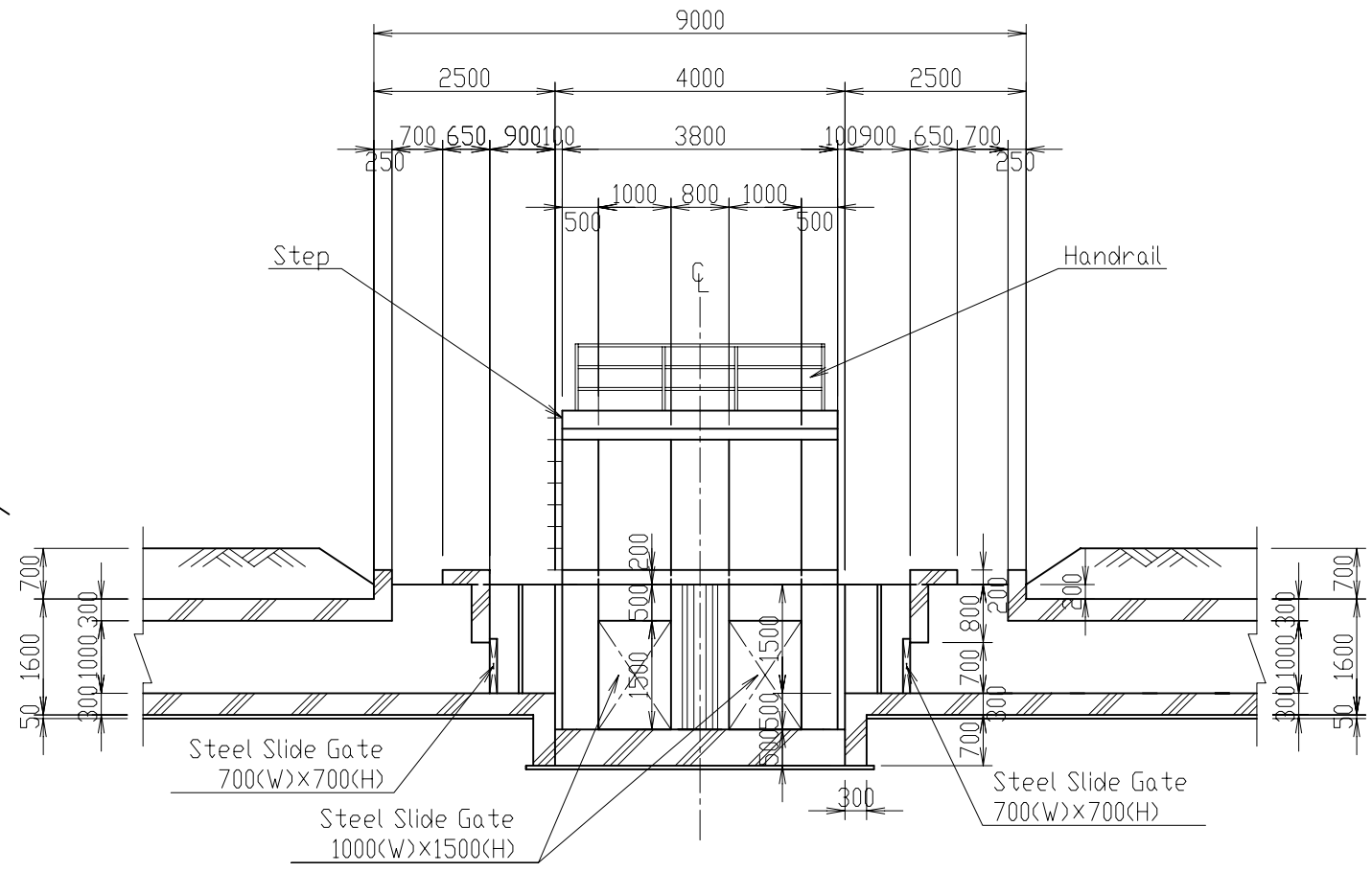
DETAIL B S=1:50

THE KINGDOM OF CAMBODIA		
THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM		
TITLE OF DRAWING IRRIGATION SYSTEM END STRUCTURE (3/5)		
DATE	DRAWING NO.	4-22
NIPPON KOEI CO., LTD., JAPAN		

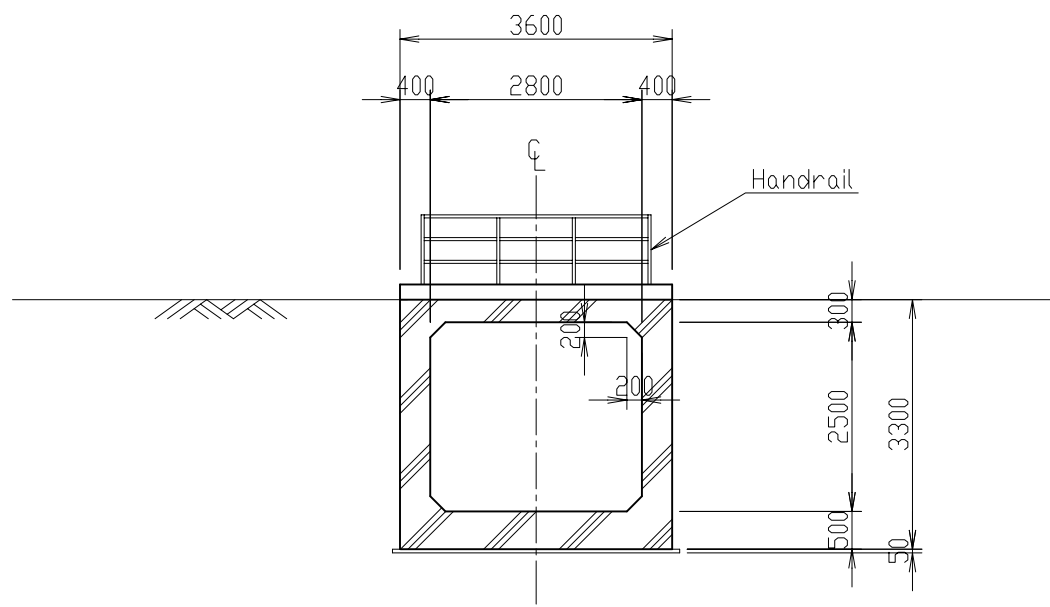
END STRUCTURE (4/5)



SECTION B-B S=1:100



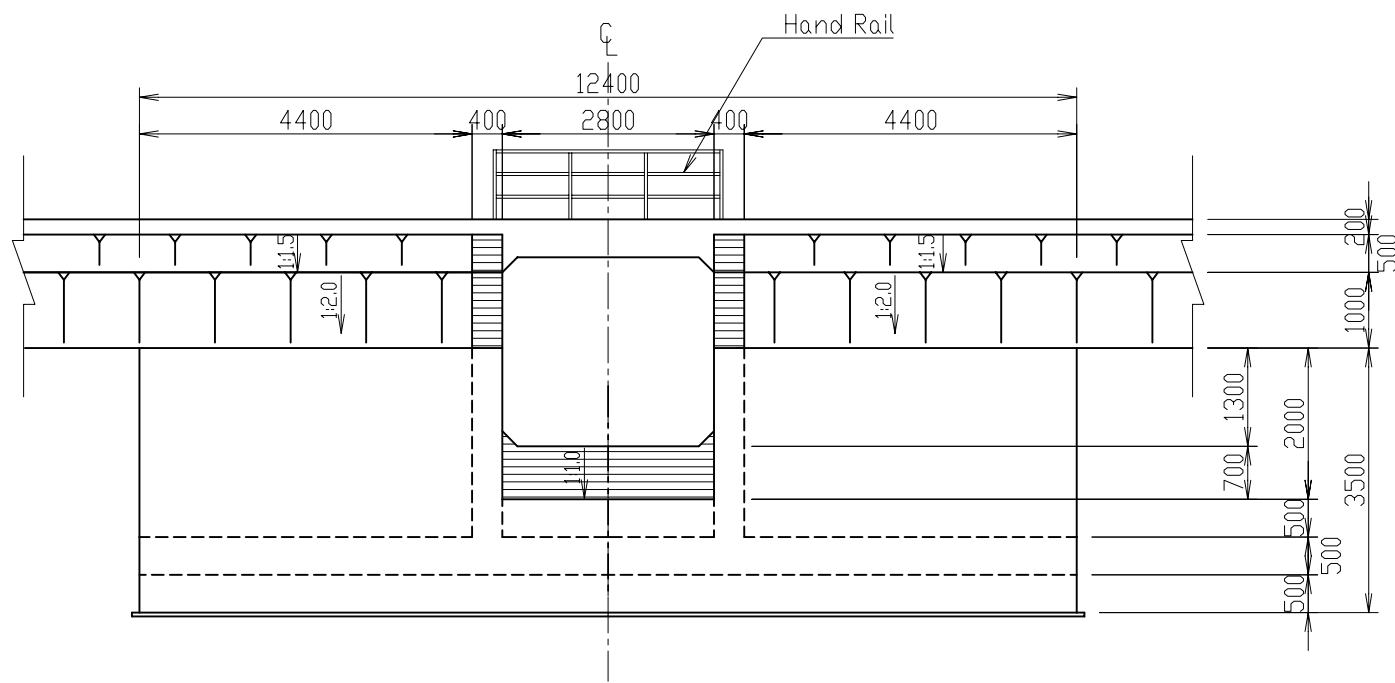
SECTION C-C S=1:100



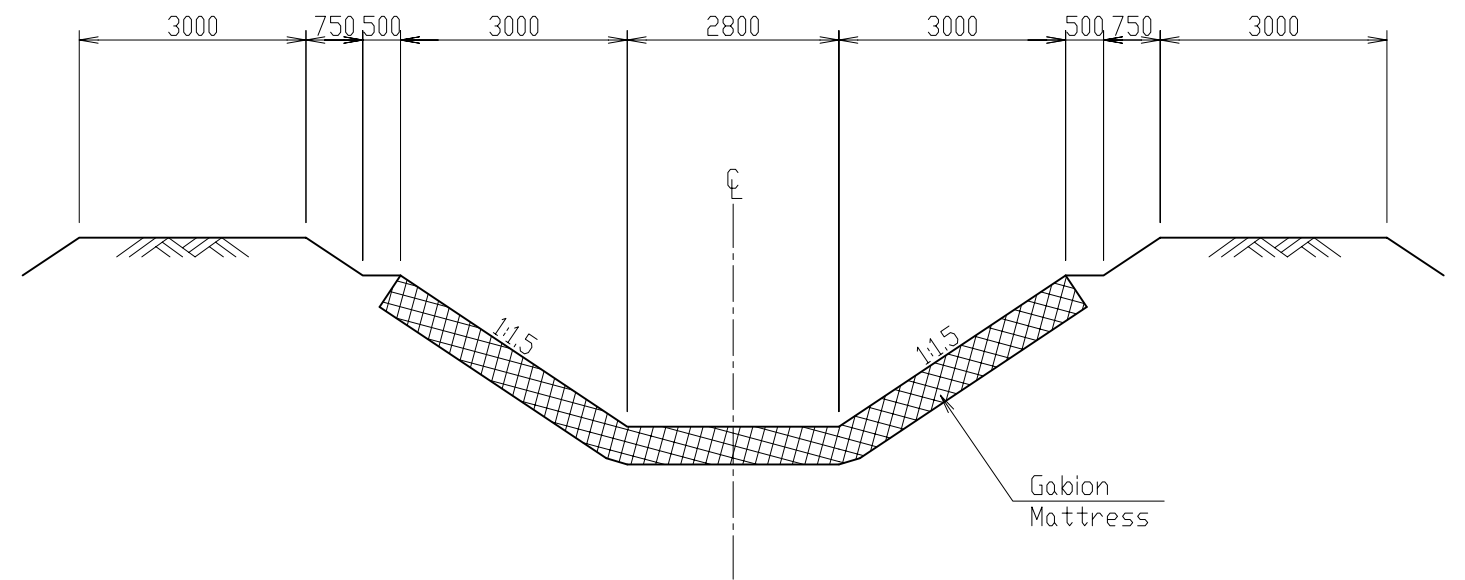
SECTION D-D S=1:100

THE KINGDOM OF CAMBODIA		
THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM		
TITLE OF DRAWING IRRIGATION SYSTEM END STRUCTURE (4/5)		
DATE	DRAWING NO.	4-23
NIPPON KOEI CO., LTD., JAPAN		

END STRUCTURE (5/5)



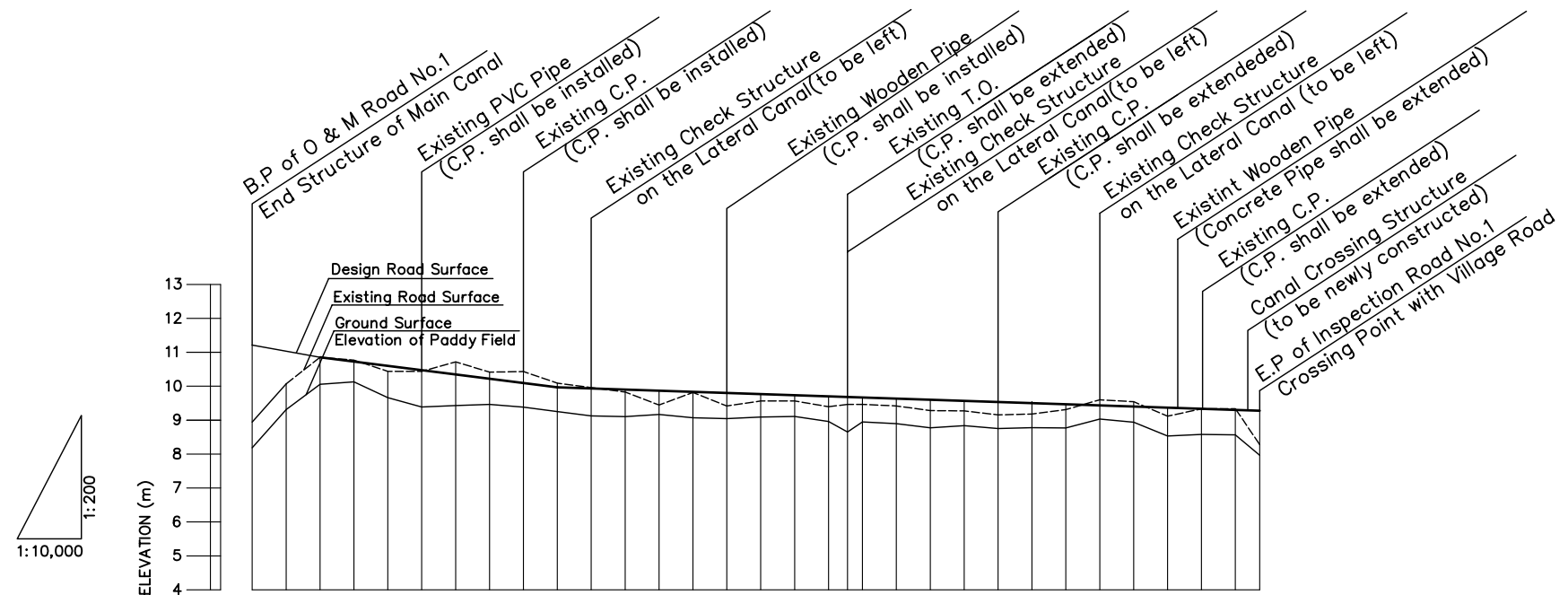
SECTION E-E S=1:100



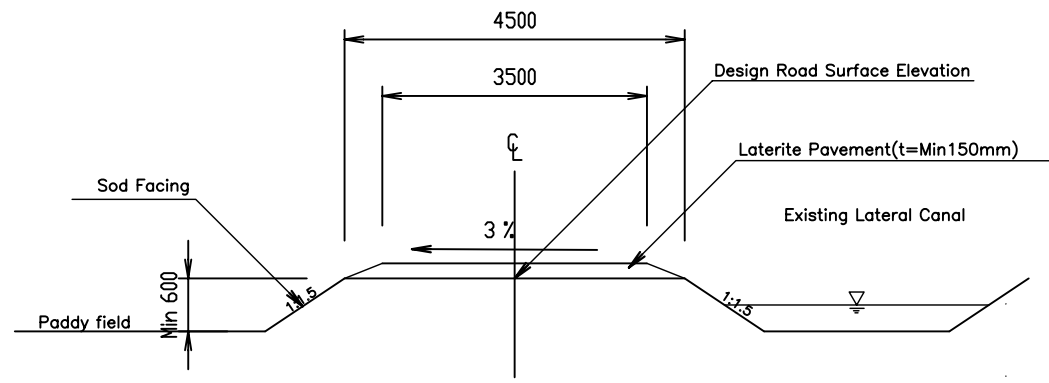
SECTION F-F S=1:100

THE KINGDOM OF CAMBODIA		
THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM		
TITLE OF DRAWING IRRIGATION SYSTEM END STRUCTURE (5/5)		
DATE	DRAWING NO.	4-24
NIPPON KOEI CO., LTD., JAPAN		

PROFILE OF O & M ROAD NO.1



DESIGN ROAD SURFACE ELEVATION	11.21	11.03	10.85	10.72	10.60	10.47	10.34	10.22	10.09	9.97	9.93	9.90	9.87	9.83	9.80	9.77	9.73	9.70	9.68	9.67	9.63	9.60	9.57	9.53	9.50	9.47	9.43	9.40	9.37	9.36	9.33	9.30	9.28
GROUND SURFACE ELEVATION OF PADDY FIELD	8.227	9.310	10.059	10.127	9.662	9.389	9.431	9.464	9.385	9.252	9.126	9.104	9.167	9.072	9.044	9.092	9.109	8.959	8.652	8.948	8.898	8.774	8.839	8.755	8.780	8.772	9.034	8.939	8.544	8.581	8.567	7.986	
EXISTING ROAD SURFACE ELEVATION	8.942	10.070	10.852	10.770	10.439	10.424	10.717	10.415	10.431	10.092	9.961	9.829	9.446	9.815	9.418	9.565	9.653	9.396	9.464	9.377	9.419	9.282	9.272	9.156	9.180	9.311	9.600	9.543	9.117	9.333	8.337	8.278	
ACCUMULATED DISTANCE	0	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	878	900	950	1,000	1,050	1,100	1,150	1,200	1,250	1,300	1,368	1,400	1,450	1,488	
DISTANCE		50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	28	22	50	50	50	50	50	50	50	50	50	50	50	50	50	
STATION NO.	0+000	0+050	0+100	0+150	0+200	0+250	0+300	0+350	0+400	0+450	0+500	0+550	0+600	0+650	0+700	0+750	0+800	0+850	0+878	0+900	0+950	1+000	1+050	1+100	1+150	1+200	1+250	1+300	1+368	1+400	1+450	1+488	

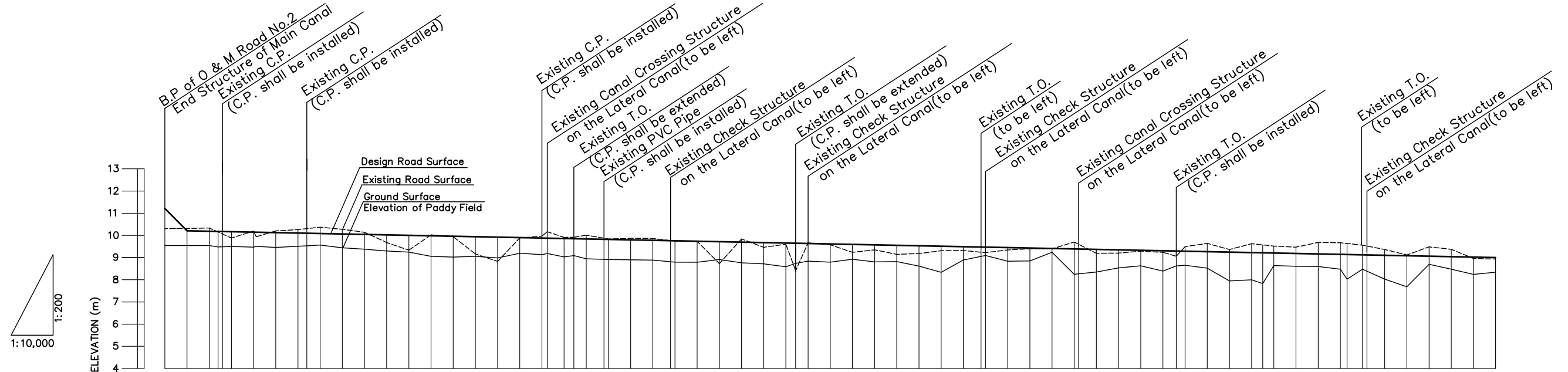


TYPICAL CROSS SECTION OF O & M ROAD No.1 S=1/100

Note: Ditches crossing O&M Road for irrigation/drainage shall be replaced with concrete pipes.
 C.P.: Concrete Pipe
 T.O.: Turn Out

THE KINGDOM OF CAMBODIA		
THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM		
TITLE OF DRAWING IRRIGATION SYSTEM PROFILE OF O & M ROAD NO.1		
DATE	DRAWING NO.	4-25
NIPPON KOEI CO., LTD., JAPAN		

PROFILE OF O & M ROAD NO.2(1/2)

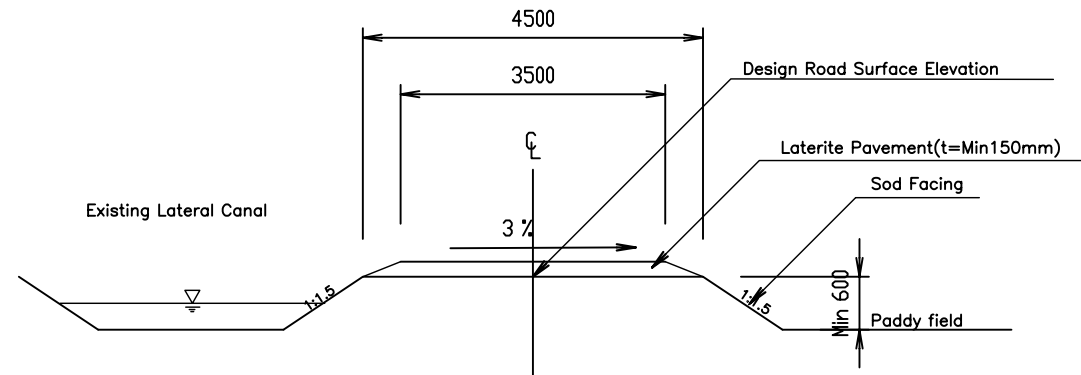


1:10,000
1:200

STATION NO.	DISTANCE	ACCUMULATED DISTANCE	EXISTING ROAD SURFACE ELEVATION	GROUND SURFACE ELEVATION OF PADDY FIELD	DESIGN ROAD SURFACE ELEVATION
0+000		0	10.300	9.542	11.21
0+050	50	50	10.300	9.542	11.13
0+100	50	100	10.298	9.528	11.05
0+120	20	120	10.129	9.499	10.97
0+150	30	150	10.138	9.470	10.89
0+200	50	200	10.223	9.459	10.80
0+250	50	250	10.881	9.508	10.72
0+300	50	300	10.601	9.530	10.69
0+320	20	320	10.181	9.562	10.64
0+350	30	350	10.275	9.439	10.56
0+400	50	400	9.825	9.378	10.47
0+450	50	450	9.679	9.296	10.39
0+500	50	500	9.334	9.246	10.31
0+550	50	550	10.024	9.057	10.23
0+600	50	600	9.940	9.020	10.15
0+650	50	650	9.165	9.056	10.06
0+700	50	700	8.828	8.982	9.98
0+750	50	750	9.681	9.196	9.90
0+800	50	800	9.964	9.130	9.88
0+850	50	850	10.164	9.194	9.88
0+862	12	862	9.912	9.032	9.86
0+900	38	900	9.916	9.089	9.85
0+922	22	922	10.010	8.947	9.84
0+950	28	950	8.833	8.812	9.82
0+990	40	990	8.870	8.901	9.80
1+000	10	1,000	8.888	8.888	9.78
1+050	50	1,050	8.741	8.795	9.76
1+100	50	1,100	9.732	8.789	9.74
1+140	40	1,140	8.726	8.911	9.72
1+150	10	1,150	8.840	8.764	9.70
1+200	50	1,200	9.464	8.719	9.68
1+250	50	1,250	9.602	8.585	9.66
1+300	50	1,300	8.407	8.662	9.65
1+350	50	1,350	8.666	8.735	9.63
1+400	50	1,400	9.575	8.839	9.61
1+422	22	1,422	9.237	8.793	9.60
1+448	18	1,448	9.350	8.923	9.57
1+500	50	1,500	9.183	8.814	9.55
1+550	50	1,550	9.181	8.817	9.53
1+600	50	1,600	9.309	8.616	9.51
1+650	50	1,650	9.319	8.335	9.49
1+700	50	1,700	9.241	8.780	9.47
1+750	50	1,750	9.222	8.682	9.45
1+800	50	1,800	9.344	9.093	9.43
1+840	40	1,840	9.395	8.834	9.41
1+850	10	1,850	9.396	8.847	9.41
1+900	50	1,900	9.290	8.638	9.39
1+950	50	1,950	9.194	8.247	9.37
2+000	50	2,000	9.201	8.347	9.35
2+050	50	2,050	9.288	8.537	9.33
2+060	10	2,060	9.236	8.630	9.31
2+100	40	2,100	9.058	8.393	9.30
2+150	50	2,150	9.491	8.622	9.29
2+200	50	2,200	9.640	8.655	9.27
2+250	50	2,250	9.363	8.521	9.25
2+280	30	2,280	9.626	7.947	9.23
2+300	20	2,300	9.572	7.887	9.22
2+350	50	2,350	9.518	7.828	9.21
2+400	50	2,400	9.469	8.640	9.18
2+450	50	2,450	9.684	8.607	9.16
2+500	50	2,500	9.668	8.599	9.14
2+550	50	2,550	9.135	8.517	9.14
2+600	50	2,600	8.658	8.488	9.12
2+650	50	2,650	9.364	8.029	9.10
2+665	15	2,665	9.121	7.684	9.08
2+700	35	2,700	9.482	8.696	9.06
2+750	40	2,750	9.373	8.474	9.04
2+800	50	2,800	8.959	8.242	9.02
2+850	50	2,850	8.935	8.341	9.00
2+900	50	2,900			
2+950	50	2,950			
3+000	50	3,000			

Note: Ditches crossing O&M Road for irrigation/drainage shall be replaced with concrete pipes.

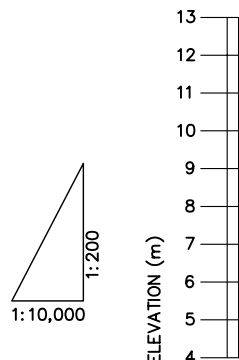
C.P.: Concrete Pipe
T.O.: Turn Out



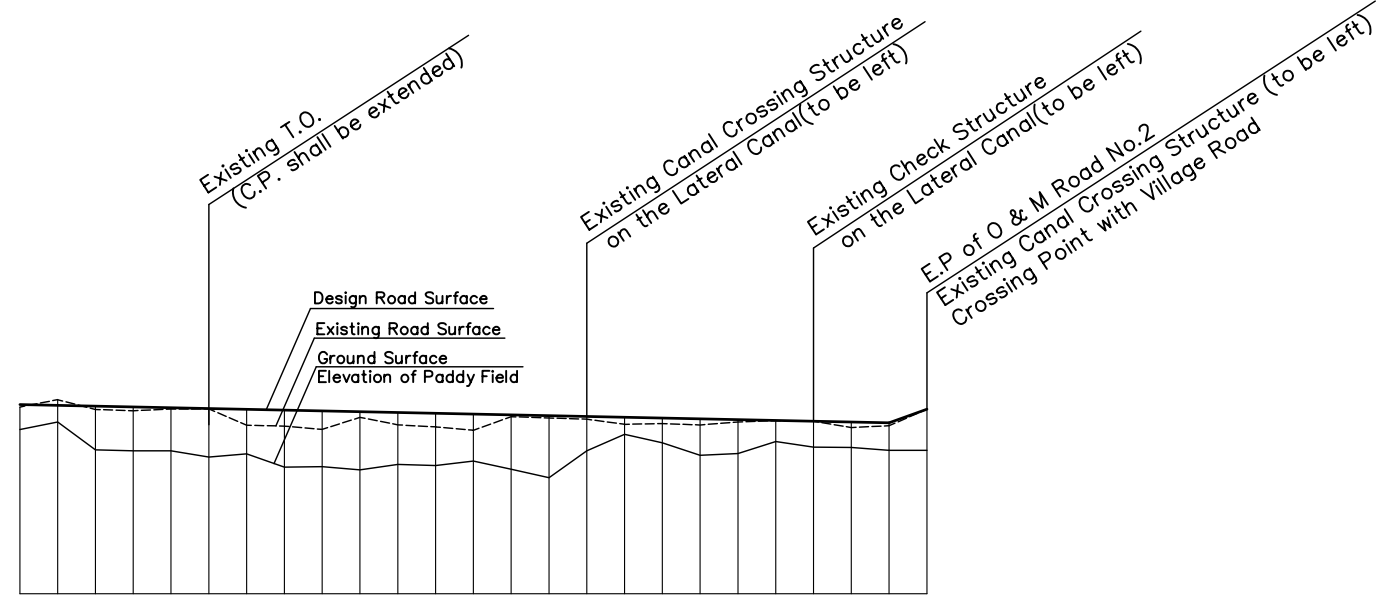
TYPICAL CROSS SECTION OF O & M ROAD No.2 S=1/100

THE KINGDOM OF CAMBODIA			
THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM			
TITLE OF DRAWING IRRIGATION SYSTEM PROFILE OF O & M ROAD NO.2 (1/2)			
DATE		DRAWING NO.	4-26
NIPPON KOEI CO., LTD., JAPAN			

PROFILE OF O & M ROAD NO.2(2/2)



ELEVATION (m)

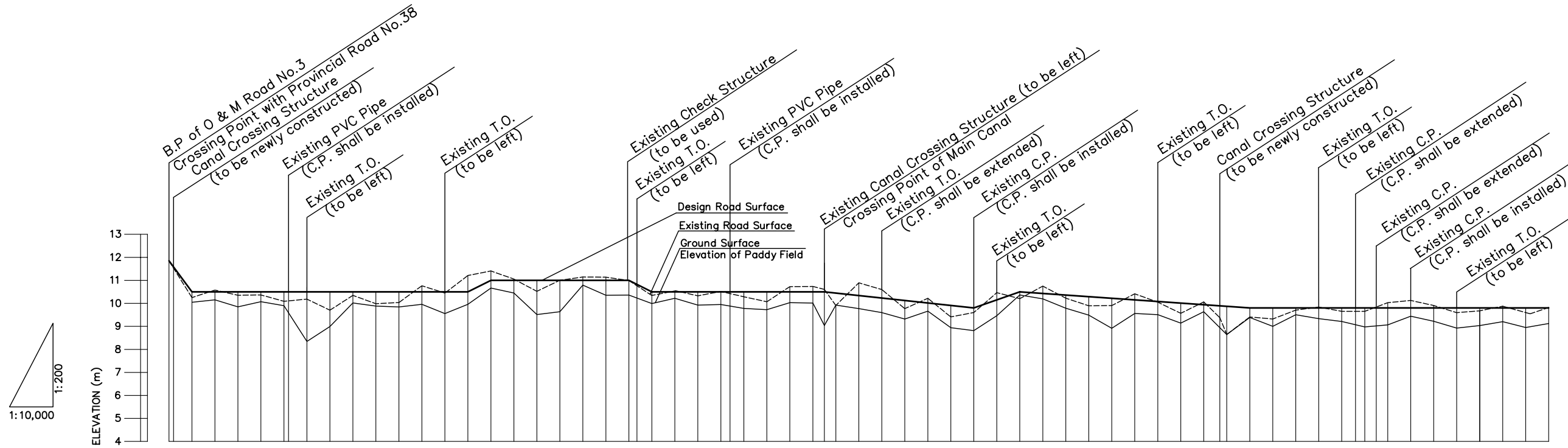


DESIGN ROAD SURFACE ELEVATION	9.00	8.98	8.96	8.94	8.92	8.90	8.88	8.85	8.83	8.81	8.79	8.77	8.75	8.73	8.71	8.69	8.67	8.65	8.63	8.60	8.58	8.56	8.54	8.52	8.88
GROUND SURFACE ELEVATION OF PADDY FIELD	8.341	8.541	7.803	7.776	7.780	7.612	7.697	7.345	7.358	7.275	7.420	7.391	7.507	7.292	7.066	7.778	8.216	7.989	7.658	7.707	8.023	7.878	7.866	7.791	7.790
EXISTING ROAD SURFACE ELEVATION	8.935	9.131	8.871	8.839	8.883	8.888	8.455	8.432	8.345	8.663	8.465	8.411	8.323	8.681	8.648	8.615	8.480	8.499	8.461	8.542	8.576	8.562	8.393	8.441	8.880
ACCUMULATED DISTANCE	3,000	3,050	3,100	3,150	3,200	3,250	3,300	3,350	3,400	3,450	3,500	3,550	3,600	3,650	3,700	3,750	3,800	3,850	3,900	3,950	4,000	4,050	4,100	4,150	4,200
DISTANCE	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
STATION NO.	3+000	3+050	3+100	3+150	3+200	3+250	3+300	3+350	3+400	3+450	3+500	3+550	3+600	3+650	3+700	3+750	3+800	3+850	3+900	3+950	4+000	4+050	4+100	4+150	4+200

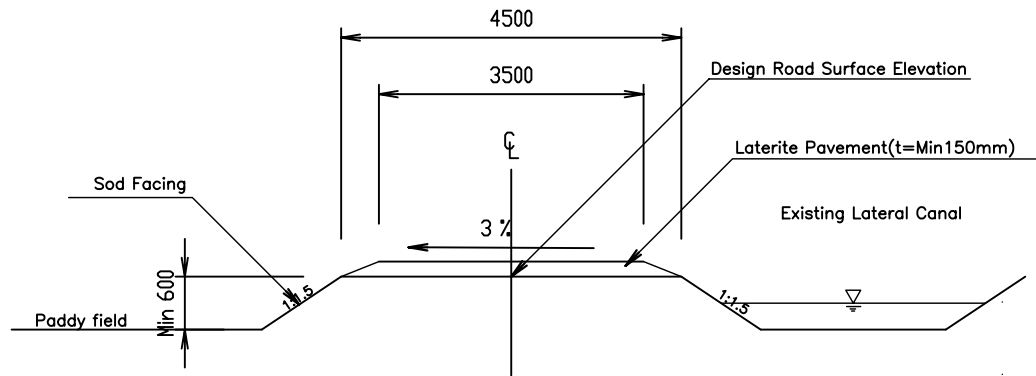
Note: Ditches crossing O&M Road for irrigation/drainage shall be replaced with concrete pipes.
 C.P.: Concrete Pipe
 T.O.: Turn Out

THE KINGDOM OF CAMBODIA		
THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM		
TITLE OF DRAWING		
IRRIGATION SYSTEM PROFILE OF O & M ROAD NO.2 (2/2)		
DATE	DRAWING NO.	4-27
NIPPON KOEI CO., LTD., JAPAN		

PROFILE OF O & M ROAD NO.3(1/2)



DESIGN ROAD SURFACE ELEVATION	GROUND SURFACE ELEVATION OF PADDY FIELD	EXISTING ROAD SURFACE ELEVATION	ACCUMULATED DISTANCE	DISTANCE	STATION NO.
11.88		11.88	0		0+000
10.50	10.048	10.252	50	50	0+050
10.50	10.151	10.577	100	50	0+100
10.50	9.850	10.351	150	50	0+150
10.50	10.072	10.365	200	50	0+200
10.50	9.888	10.080	250	50	0+250
10.50	8.347	10.184	300	40	0+300
10.50	8.994	9.703	350	50	0+350
10.50	10.016	10.345	400	50	0+400
10.50	9.880	9.984	450	50	0+450
10.50	9.842	10.036	500	50	0+500
10.50	9.957	10.763	550	50	0+550
10.50	9.554	10.447	600	50	0+600
10.50	9.957	11.210	650	50	0+650
11.00	10.667	11.408	700	50	0+700
11.00	10.451	11.056	750	50	0+750
11.00	9.512	10.521	800	50	0+800
11.00	9.638	11.004	850	50	0+850
11.00	10.792	11.145	900	50	0+900
11.00	10.352	11.137	950	50	0+950
11.00	10.360	10.991	1,000	50	1+000
10.50	9.990	10.861	1,050	40	1+050
10.50	10.222	10.548	1,100	50	1+100
10.50	9.923	10.327	1,150	50	1+150
10.50	9.950	10.518	1,200	50	1+200
10.50	9.883	10.225	1,250	30	1+250
10.50	9.781	10.286	1,300	50	1+300
10.50	9.724	10.069	1,350	50	1+350
10.50	10.029	10.725	1,400	50	1+400
10.50	10.014	10.735	1,425	25	1+425
10.50	9.038	10.884	1,450	50	1+450
10.45	9.923	9.907	1,500	50	1+500
10.34	9.771	10.894	1,550	50	1+550
10.23	9.598	10.600	1,600	50	1+600
10.12	9.317	9.771	1,650	50	1+650
10.02	9.661	10.220	1,700	50	1+700
9.91	8.944	9.409	1,750	50	1+750
9.80	8.814	9.602	1,800	50	1+800
10.15	9.464	10.466	1,850	50	1+850
10.50	10.365	10.203	1,900	50	1+900
10.43	10.197	10.748	1,950	50	1+950
10.36	9.787	10.225	2,000	50	2+000
10.29	9.490	9.894	2,050	50	2+050
10.22	8.915	9.904	2,100	50	2+100
10.15	9.560	10.413	2,150	50	2+150
10.08	9.509	10.052	2,200	50	2+200
10.01	9.143	9.568	2,250	50	2+250
9.94	9.636	10.062	2,300	35	2+300
9.84	8.834	8.837	2,350	50	2+350
9.80	9.387	9.408	2,400	50	2+400
9.80	9.000	9.320	2,450	50	2+450
9.80	9.506	9.705	2,500	50	2+500
9.80	9.337	9.837	2,550	50	2+550
9.80	9.211	9.653	2,600	20	2+600
9.80	9.076	9.652	2,630	30	2+630
9.80	9.976	9.878	2,650	20	2+650
9.80	9.066	10.029	2,700	50	2+700
9.80	9.442	10.127	2,750	50	2+750
9.80	9.220	9.906	2,800	50	2+800
9.80	8.925	9.595	2,850	50	2+850
9.80	9.037	9.675	2,900	50	2+900
9.80	9.205	9.876	2,950	50	2+950
9.80	8.951	9.546	3,000	50	3+000
9.80	9.126	9.821			



Note: Ditches crossing O&M Road for irrigation/drainage shall be replaced with concrete pipes.

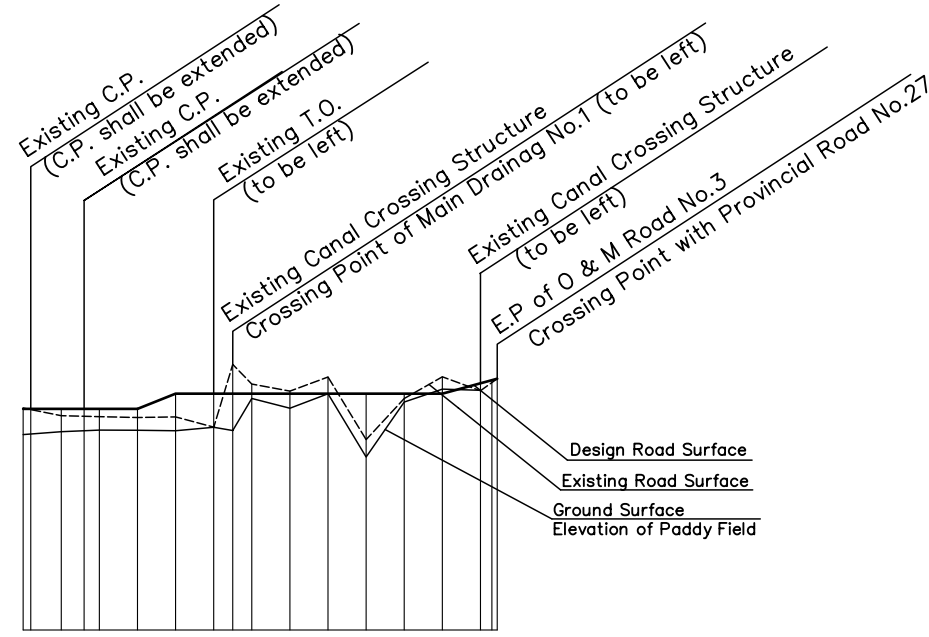
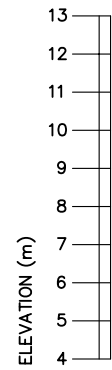
C.P.: Concrete Pipe
T.O.: Turn Out

TYPICAL CROSS SECTION OF O & M ROAD No.3 S=1/100

THE KINGDOM OF CAMBODIA			
THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM			
TITLE OF DRAWING			
IRRIGATION SYSTEM			
PROFILE OF O & M ROAD NO.3 (1/2)			
DATE		DRAWING NO.	4-28
NIPPON KOEI CO., LTD., JAPAN			

PROFILE OF O & M ROAD NO.3(2/2)

1:10,000
1:200



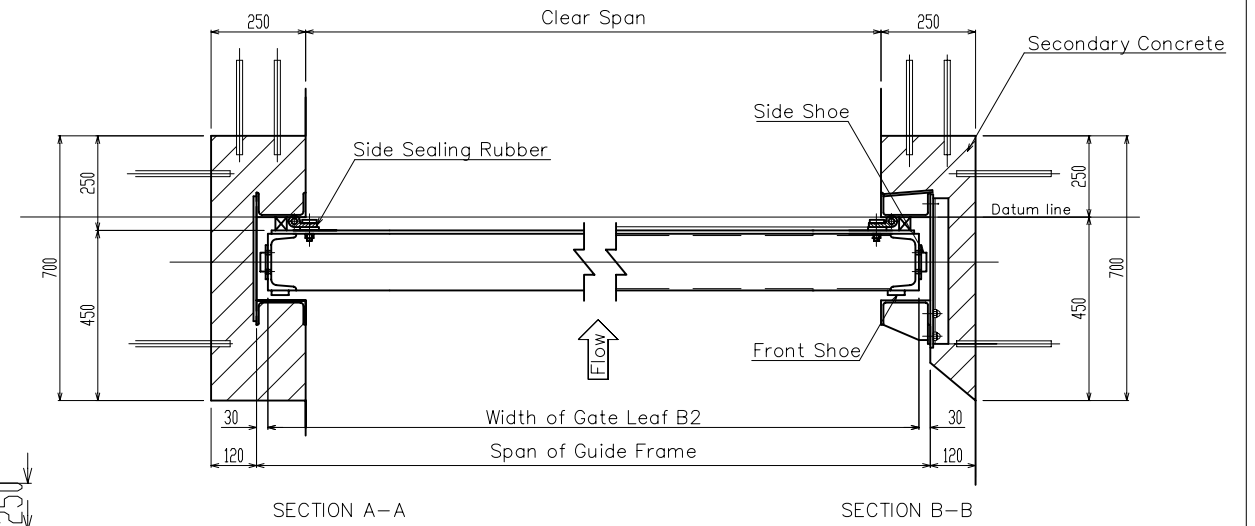
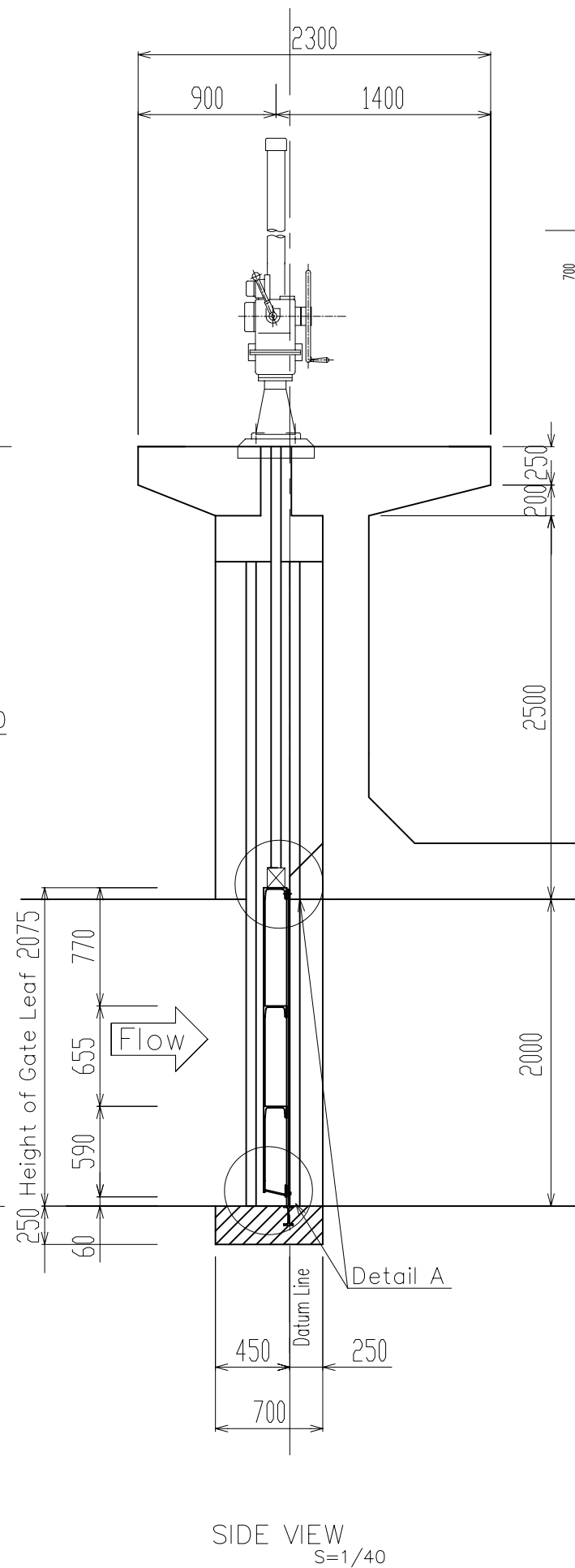
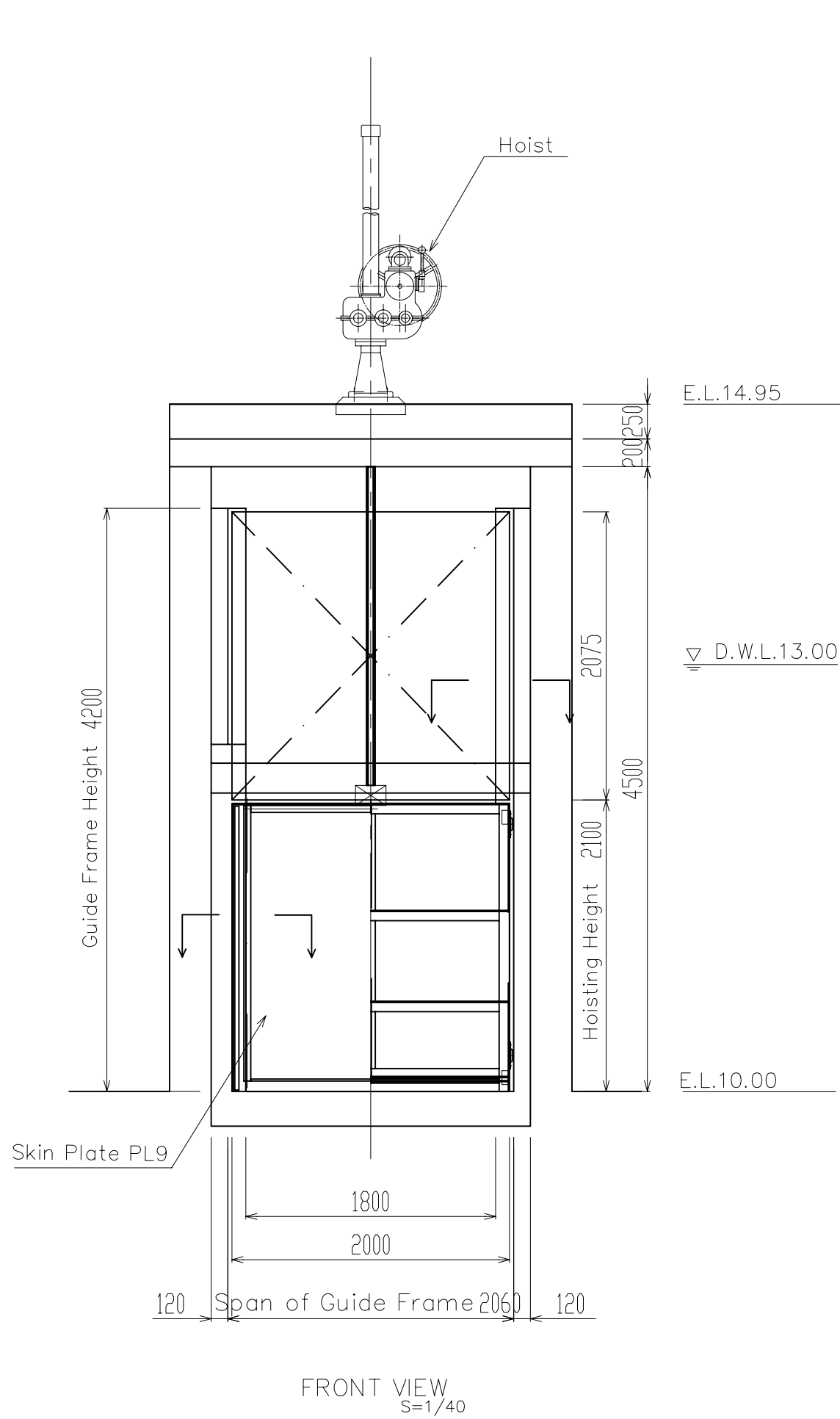
DESIGN ROAD SURFACE ELEVATION	9.88 9.80 9.80 9.80 9.80 10.20 10.20 10.20 10.20 10.20 10.20 10.20 10.20 10.20 10.48 10.88
GROUND SURFACE ELEVATION OF PADDY FIELD	8.12 9.201 9.227 9.244 9.240 9.227 9.318 9.233 10.074 9.817 10.197 8.538 9.980 10.319 10.288
EXISTING ROAD SURFACE ELEVATION	9.981 9.621 9.605 9.595 9.574 9.589 9.312 10.966 10.451 10.265 10.635 8.993 10.071 10.641 10.275 10.566
ACCUMULATED DISTANCE	3.000 3.050 3.080 3.100 3.150 3.200 3.250 3.275 3.300 3.350 3.400 3.450 3.500 3.550 3.600 3.632
DISTANCE	50 40 30 20 50 50 50 25 25 50 50 50 50 50 50 50
STATION NO.	3+000 3+050 3+080 3+100 3+150 3+200 3+250 3+275 3+300 3+350 3+400 3+450 3+500 3+550 3+600 3+632

Note: Ditches crossing O&M Road for irrigation/drainage shall be replaced with concrete pipes.

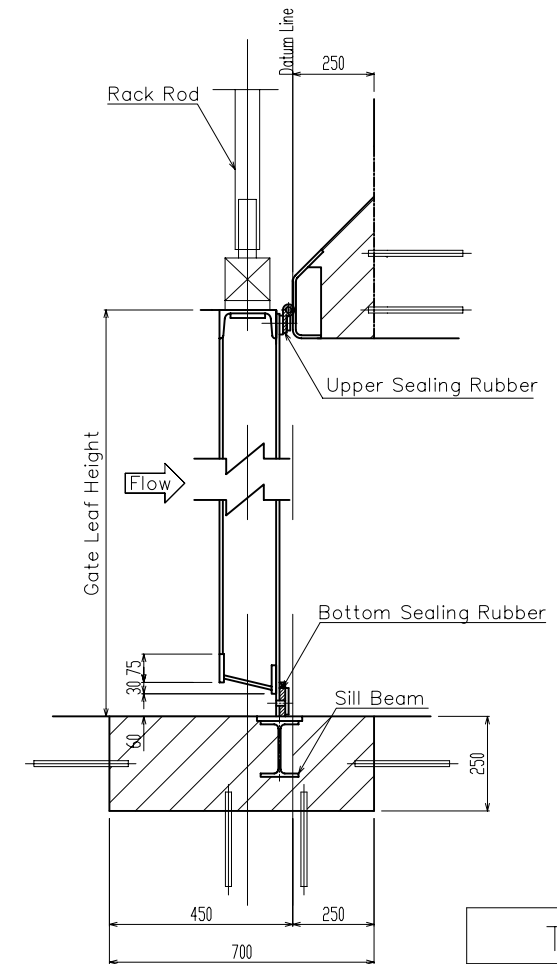
C.P.: Concrete Pipe
T.O.: Turn Out

THE KINGDOM OF CAMBODIA			
THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM			
TITLE OF DRAWING			
IRRIGATION SYSTEM			
PROFILE OF O & M ROAD NO.3 (2/2)			
DATE		DRAWING NO.	4-29
NIPPON KOEI CO., LTD., JAPAN			

GATE FOR INTAKE STRUCTURE

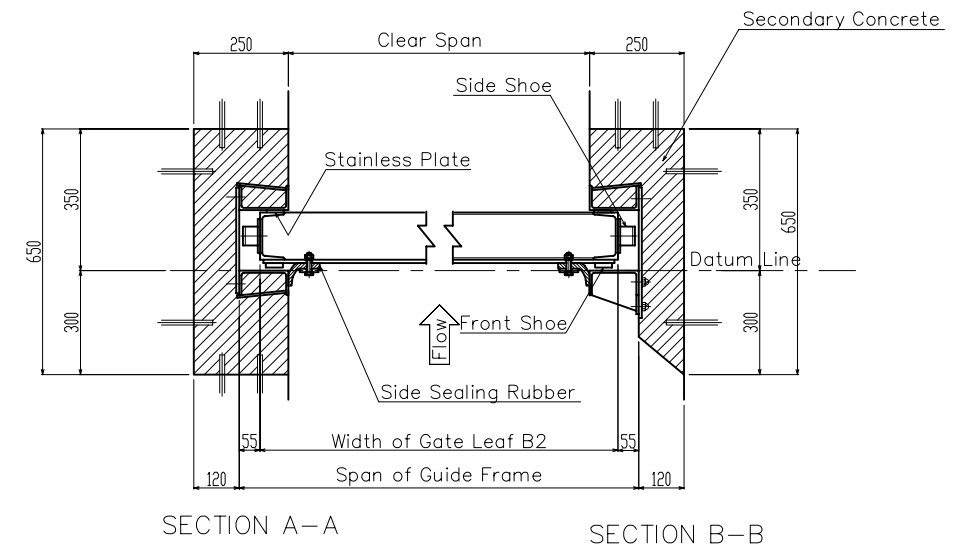
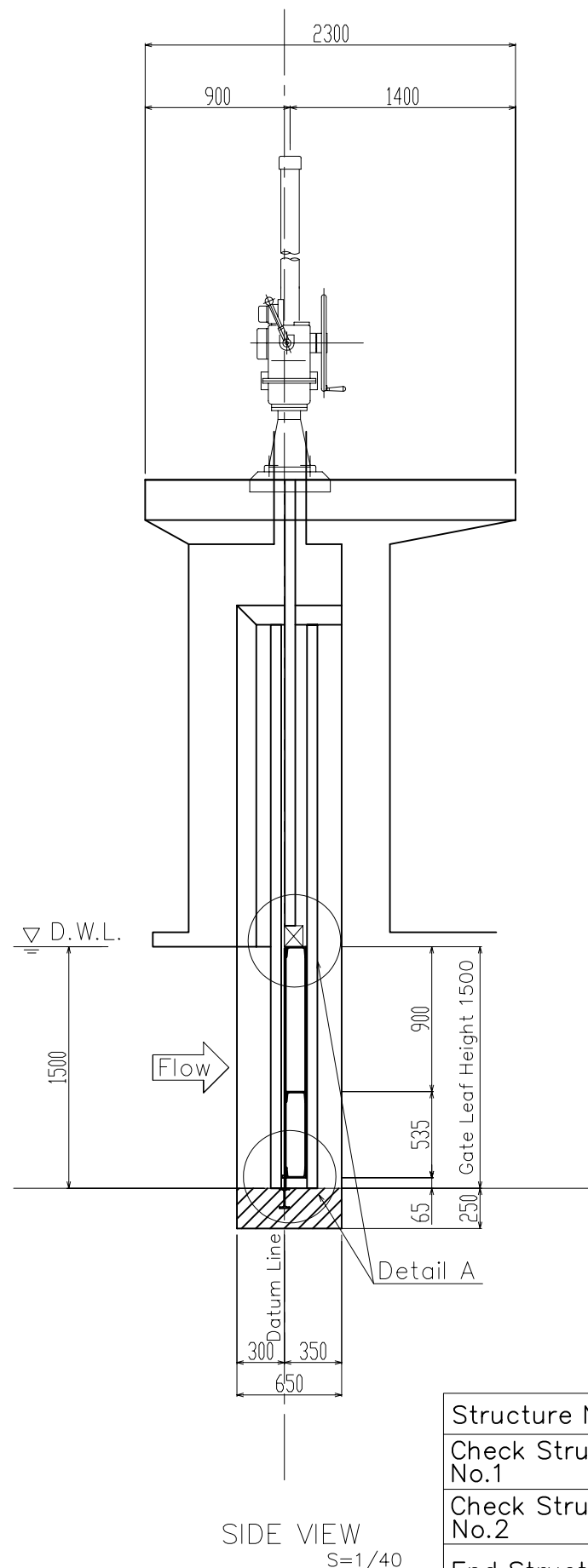
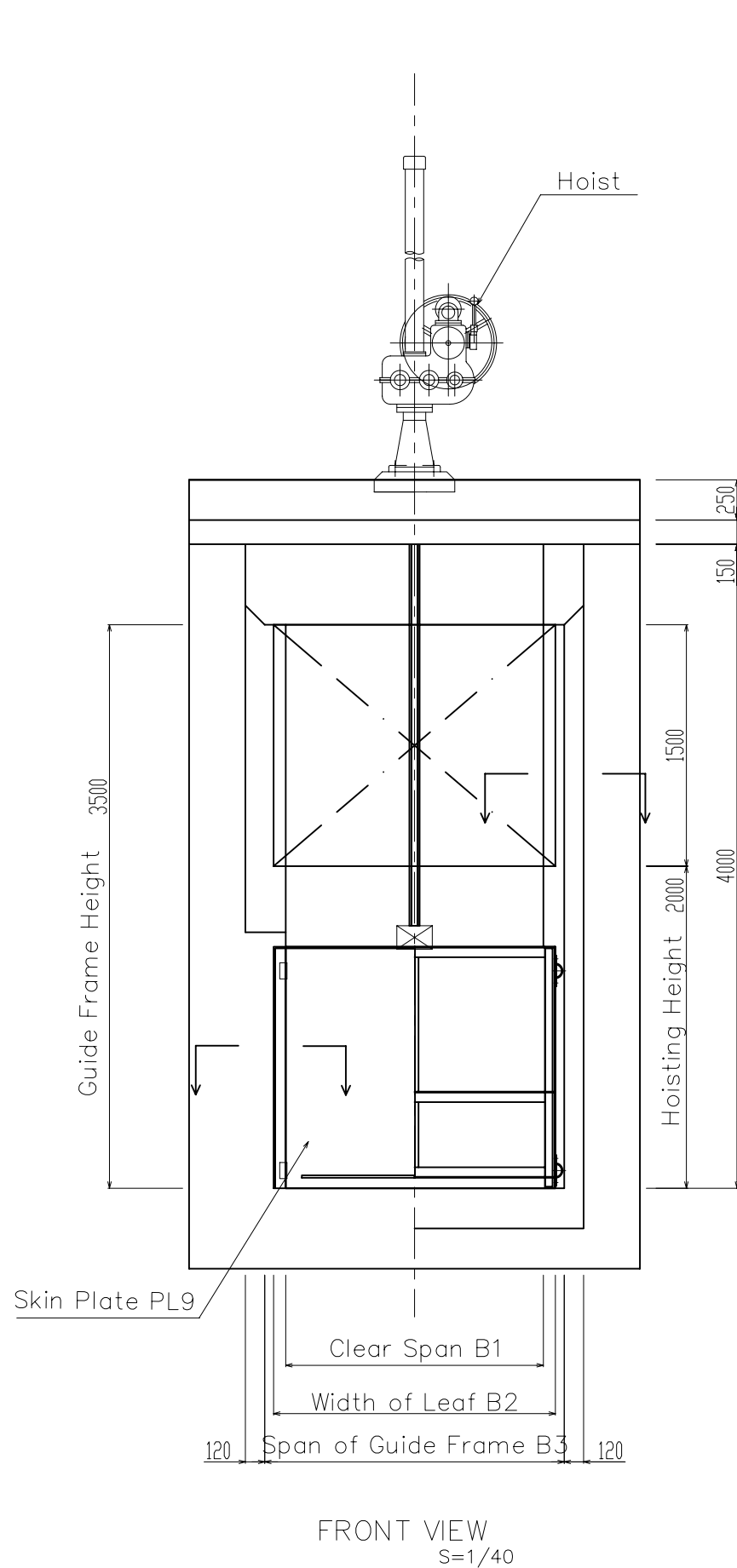


DETAIL OF SIDE WATER SEALING
S=1/20

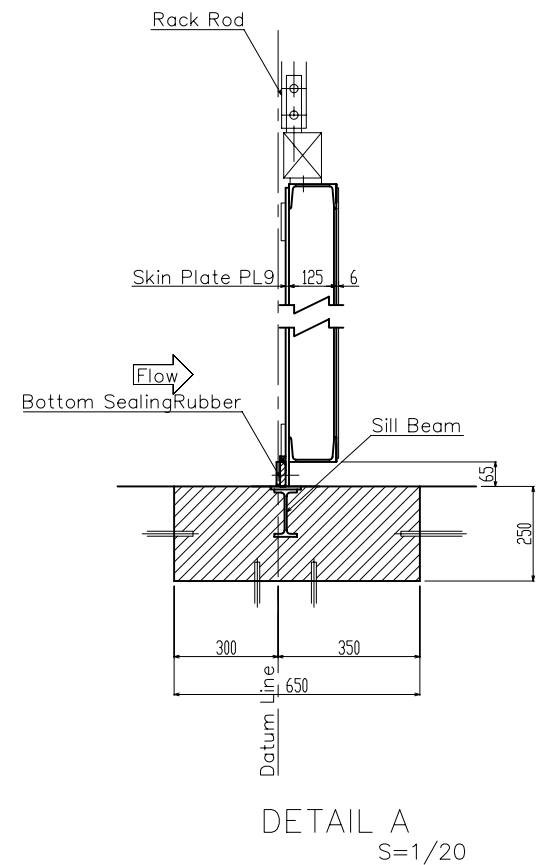


THE KINGDOM OF CAMBODIA		
THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM		
TITLE OF DRAWING IRRIGATION SYSTEM GATE FOR INTAKE STRUCTURE		
DATE	DRAWING NO.	4-30
NIPPON KOEI CO., LTD., JAPAN		

GATES FOR CHECK AND END STRUCTURES



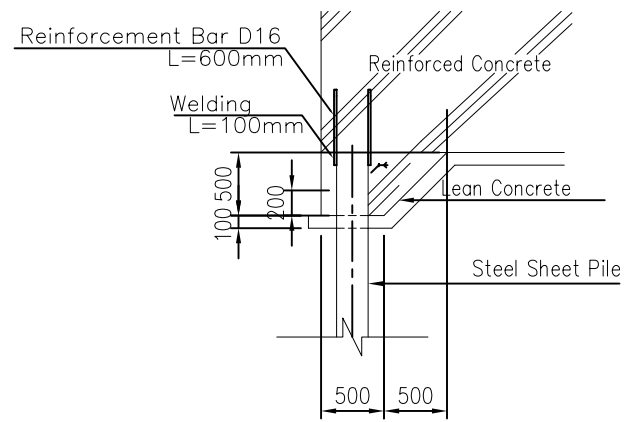
DETATIL OF SIDE WATER SEALING
S=1/20



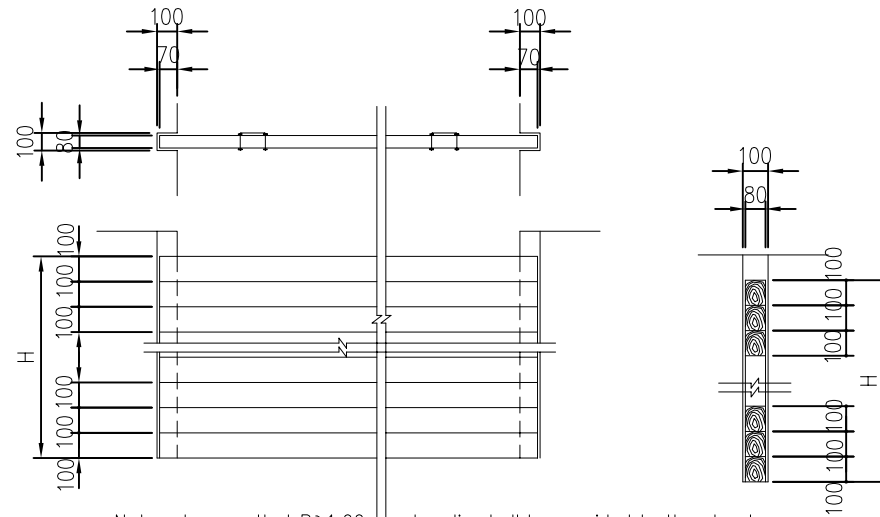
Structure Name	Quantity	B1	B2	B3
Check Structure No.1	2 sets	1600	1750	1860
Check Structure No.2	2 sets	1200	1340	1460
End Structure	2 sets	1000	1140	1260

THE KINGDOM OF CAMBODIA			
THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM			
TITLE OF DRAWING IRRIGATION SYSTEM GATE FOR CHECKS AND END STRUCTURES			
DATE		DRAWING NO.	4-31
NIPPON KOEI CO., LTD., JAPAN			

MISCELLANEOUS WORKS

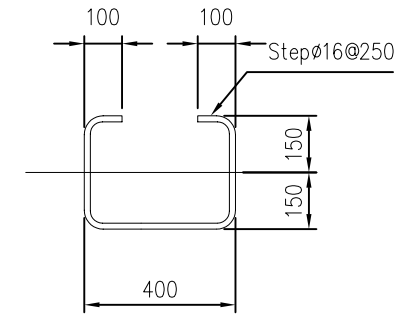


DETAIL OF HEAD CAP OF STEEL SHEET PILE
SCALE A

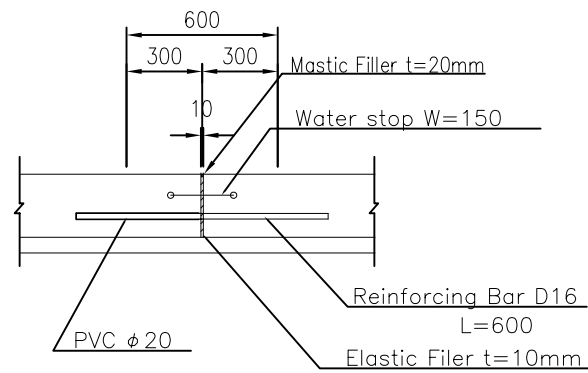


Note : In case that $B \geq 1.00m$, a handle shall be provided to the stop log

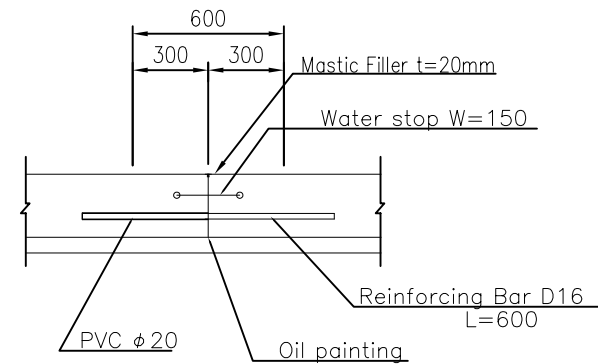
STOP LOG
NOT TO SCALE



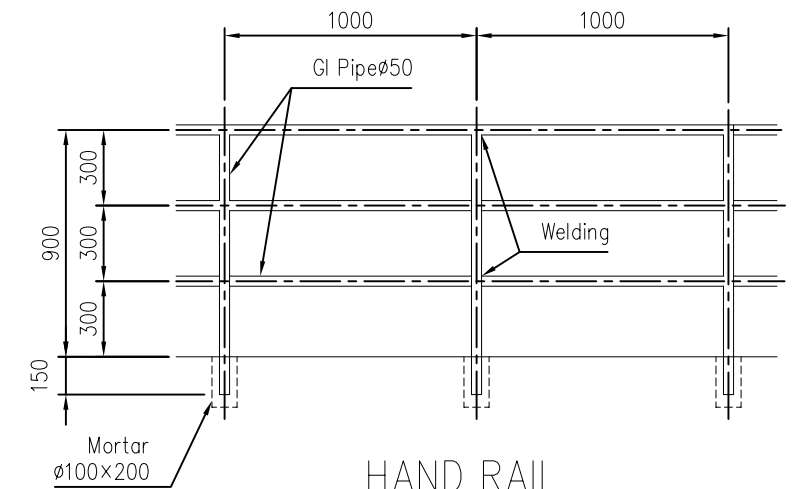
DETAIL OF STEP
SCALE C



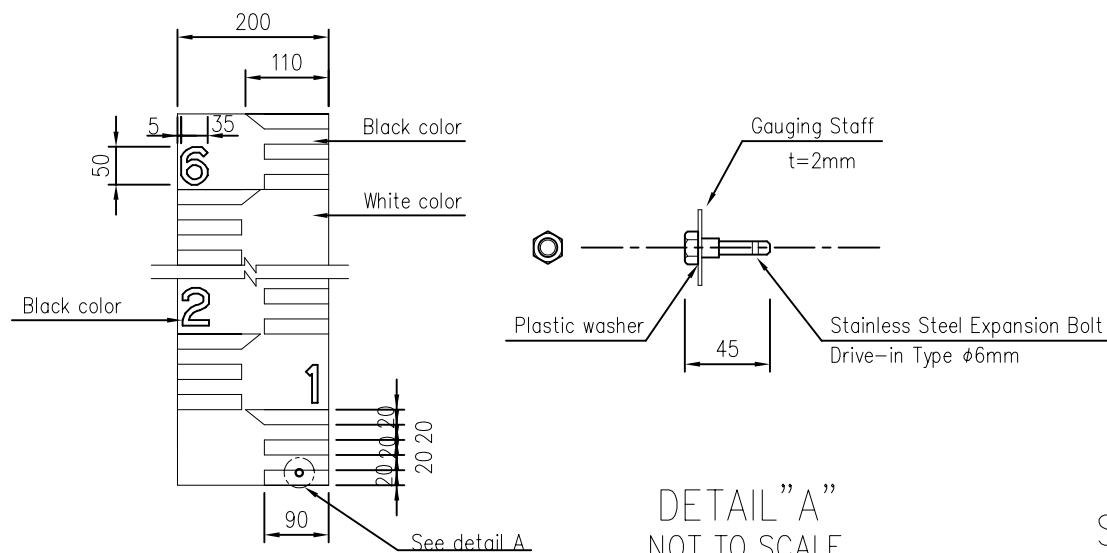
EXPANTION JOINT
SCALE B



CONTRACTION JOINT
SCALE B

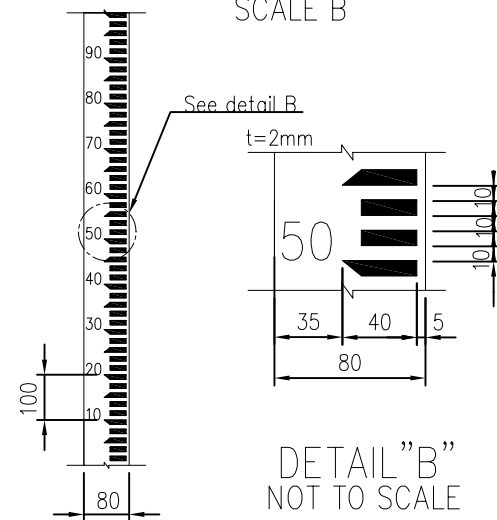


HAND RAIL
SCALE B



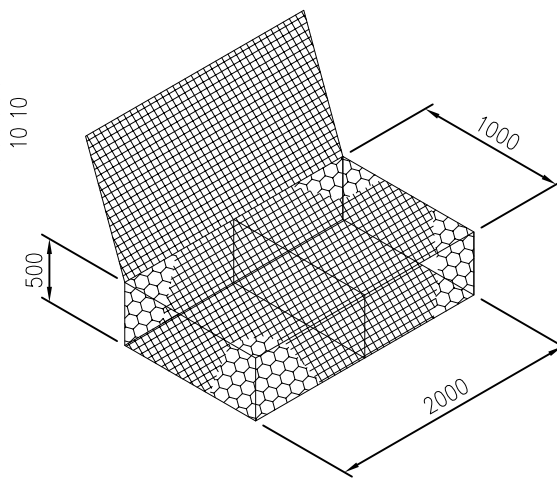
STAFF GAUGE TYPEA
NOT TO SCALE

DETAIL "A"
NOT TO SCALE

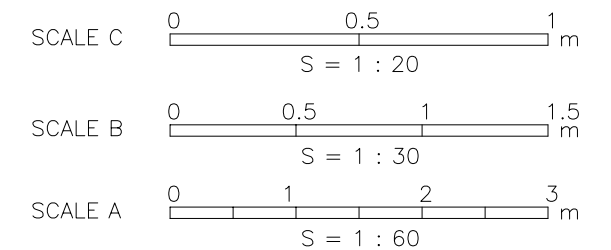


STAFF GAUGE TYPE B
NOT TO SCALE

DETAIL "B"
NOT TO SCALE



GABION
NOT TO SCALE



THE KINGDOM OF CAMBODIA			
THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM			
TITLE OF DRAWING			
IRRIGATION SYSTEM MISCELLANEOUS WORKS			
DATE	DRAWING NO.	4-32	
NIPPON KOEI CO., LTD., JAPAN			