

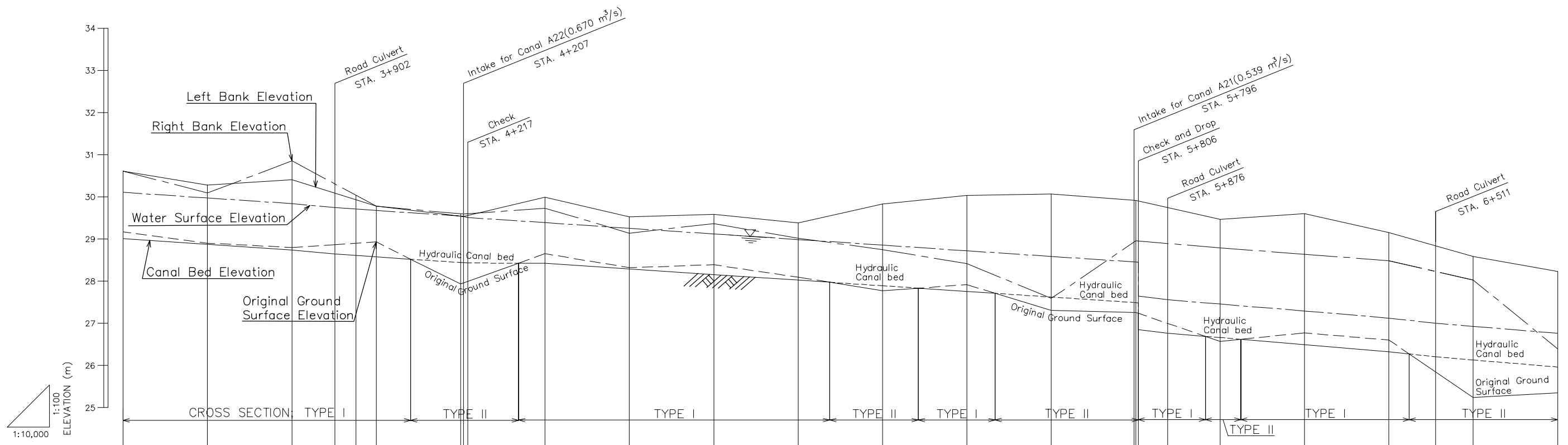
HYDRAULIC SECTION	Type A-1										Type A-2										Type A-3						
WATER SURFACE ELEVATION	34.900	34.860	34.820	34.787	34.755	34.719	34.690	34.627	34.625	34.585	34.574	33.557	33.467	33.334	32.234	32.200	32.067	31.934	31.800	31.667	31.574	31.504	31.401	30.397	30.373	30.240	30.106
HYDRAULIC CANAL BED ELEVATION	33.285	33.245	33.205	33.172	33.140	33.104	33.075	33.012	33.010	32.970	32.959	32.367	32.277	32.144	31.044	31.010	30.877	30.744	30.610	30.477	30.384	30.314	30.211	29.297	29.273	29.140	29.006
ORIGINAL GROUND SURFACE ELEVATION	34.674	33.945	33.736	33.367	33.229	32.917	32.694	32.501	32.095	31.179	30.827	30.957	30.992	30.688	30.113	29.428	29.290	29.385	29.170	29.170	29.170	29.170	29.170	29.170	29.170	29.170	29.170
LEFT BANK ELEVATION	37.955	37.191	36.926	36.805	36.549	36.207	34.975	34.630	34.942	33.592	33.031	32.600	32.307	32.307	31.798	31.421	31.306	31.306	31.306	31.306	31.306	31.306	31.306	31.306	31.306	31.306	31.306
RIGHT BANK ELEVATION	37.046	35.952	36.070	36.248	35.697	35.504	34.598	34.995	32.503	33.479	33.550	33.075	32.594	32.994	31.703	31.452	31.482	31.482	31.482	31.482	31.482	31.482	31.482	31.482	31.482	31.482	31.482
ACCUMULATED DISTANCE	0	200	400	440	600	655	800	990	1,000	1,200	1,255	1,265	1,400	1,600	1,750	1,800	2,000	2,200	2,400	2,600	2,694	2,800	2,954	2,964	3,000	3,200	3,400
DISTANCE	0	200	200	40	160	55	145	190	10	200	55	10	135	200	150	50	200	200	200	200	94	106	154	10	36	200	200
STATION NO.	0+000 (BP)	0+200	0+400	0+440	0+600	0+655	0+800	1+000	1+000	1+200	1+255	1+265	1+400	1+600	1+750	1+800	2+000	2+200	2+400	2+600	2+694	2+800	3+000	3+000	3+200	3+400	

Hydraulic Parameters

Hydraulic Section	Discharge (m³/s)	Canal Bed Width(m)	Velocity (m/s)	Gradient	Roughness Coefficient	Canal Inside Slope	Design Water Depth(m)	Outside Slope
Type A-1	3.216	2.00	0.381	1:5000	0.035	1:2.0	1.615	1:1.5
Type A-2	3.065	2.00	0.588	1:1500	0.035	1:2.0	1.190	1:1.5
Type A-3	2.214	1.50	0.544	1:1500	0.035	1:2.0	1.100	1:1.5
Type A-4	1.544	1.30	0.498	1:1500	0.035	1:2.0	0.963	1:1.5
Type A-5	1.006	1.00	0.486	1:1500	0.035	1:2.0	0.797	1:1.5

Note ; Typical Cross Sections for Type I and II are given in Drawing No. "32 of 62".

Japan International Cooperation Agency (JICA)	THE STUDY ON THE REHABILITATION AND RECONSTRUCTION OF AGRICULTURAL PRODUCTION SYSTEM IN THE SLAKOU RIVER BASIN	Title of Drawing	DATE Jan. 2002
	THE KINGDOM OF CAMBODIA	Upper Slakou River Irrigation Reconstruction Plan Irrigation Canal System; Profile of Main Canal 33(1/3) STA. 0+000 - 3+400	DRAWING NO. 30 of 62



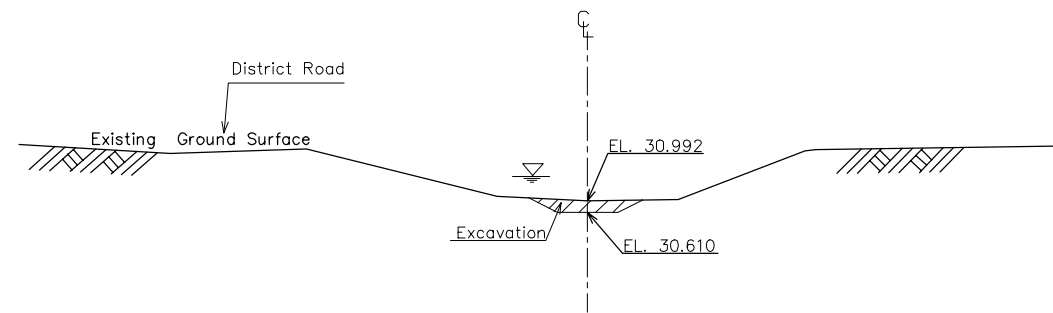
HYDRAULIC SECTION	Type A-3										Type A-4										Type A-5									
WATER SURFACE ELEVATION	30.106	29.973	29.840	29.742	29.708	29.676	29.543	29.508	29.473	29.309	29.387	29.254	29.120	28.987	28.854	28.720	28.587	28.456	28.454	27.649	27.561	27.458	27.291	27.124	27.002	26.928	26.761			
HYDRAULIC CANAL BED ELEVATION	29.006	28.873	28.740	28.642	28.608	28.576	28.443	28.438	28.431	28.431	28.424	28.291	28.157	28.024	27.891	27.757	27.624	27.493	27.491	26.852	26.764	26.661	26.494	26.327	26.205	26.131	25.964			
ORIGINAL GROUND SURFACE ELEVATION	29.170	28.903	28.798	28.857	28.929	28.932	27.932	28.438	28.431	28.431	28.653	28.319	28.390	28.093	27.775	27.915	27.308	27.259	27.259	26.259	26.570	26.775	26.775	26.637	25.245	25.349				
LEFT BANK ELEVATION	30.607	30.275	30.407	28.857	29.781	29.540	29.596	29.540	29.540	29.540	29.993	29.526	29.585	29.384	28.834	30.034	30.068	29.913	28.957	29.913	29.464	29.600	29.600	29.150	28.582	28.233				
RIGHT BANK ELEVATION	30.507	30.094	30.852	28.857	29.774	29.540	29.596	29.540	29.540	29.540	29.732	29.137	29.365	29.020	28.746	28.414	27.593	28.957	28.957	28.957	28.789	28.639	28.639	28.487	28.027	26.394				
ACCUMULATED DISTANCE	3,400	3,600	3,800	3,902	3,952	4,000	4,200	4,207	4,217	4,217	4,400	4,600	4,800	5,000	5,200	5,400	5,600	5,796	5,806	5,806	5,876	6,000	6,200	6,400	6,511	6,600	6,800			
DISTANCE	200	200	200	102	50	48	200	7	10	183	200	200	200	200	200	200	200	196	6	70	124	200	200	111	89	200				
STATION NO.	3+400	3+600	3+800	3+902	3+952	4+000	4+200	4+207	4+217	4+400	4+600	4+800	5+000	5+200	5+400	5+600	5+800	5+806	5+876	6+000	6+200	6+400	6+511	6+600	6+800					

Hydraulic Parameters

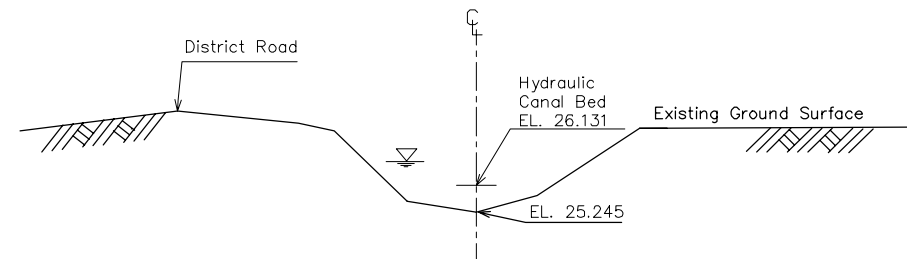
Hydraulic Section	Discharge (m³/s)	Canal Bed Width(m)	Velocity (m/s)	Gradient	Roughness Coefficient	Canal Inside Slope	Design Water Depth(m)	Outside Slope
Type A-1	3.216	2.00	0.381	1:5000	0.035	1:2.0	1.615	1:1.5
Type A-2	3.065	2.00	0.588	1:1500	0.035	1:2.0	1.190	1:1.5
Type A-3	2.214	1.50	0.544	1:1500	0.035	1:2.0	1.100	1:1.5
Type A-4	1.544	1.30	0.498	1:1500	0.035	1:2.0	0.963	1:1.5
Type A-5	1.006	1.00	0.486	1:1500	0.035	1:2.0	0.797	1:1.5

Note ; Typical Cross Sections for Type I and II are given in Drawing No. "32 of 62".

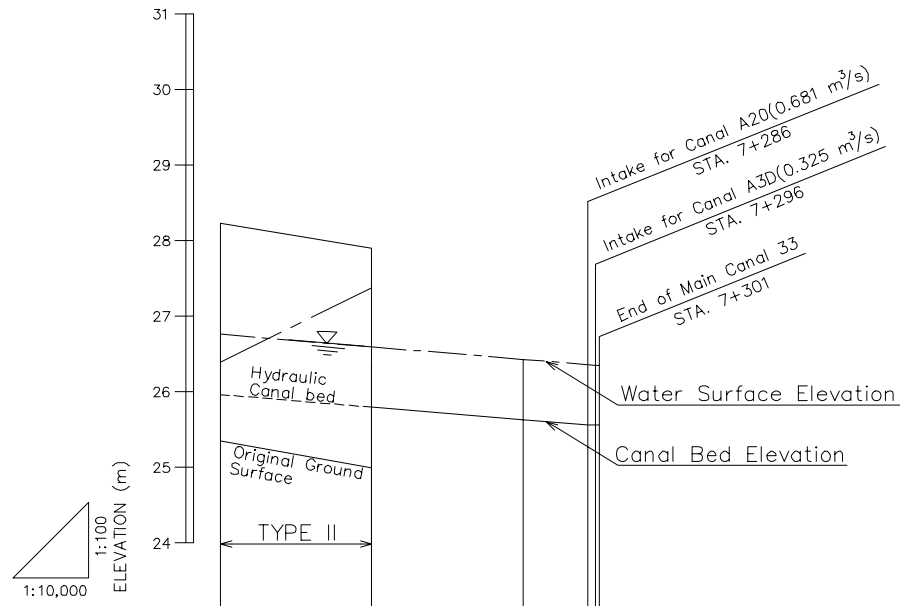
Japan International Cooperation Agency (JICA)	THE STUDY ON THE REHABILITATION AND RECONSTRUCTION OF AGRICULTURAL PRODUCTION SYSTEM IN THE SLAKOU RIVER BASIN	Title of Drawing	DATE Jan. 2002
	THE KINGDOM OF CAMBODIA	Upper Slakou River Irrigation Reconstruction Plan Irrigation Canal System; Profile of Main Canal 33(2/3) STA. 3+400 - 6+800	DRAWING NO. 31 of 62



TYPICAL CROSS SECTION-TYPE I
(Ex. STA No.2+400)



TYPICAL CROSS SECTION-TYPE II
(Ex. STA No.6+600)



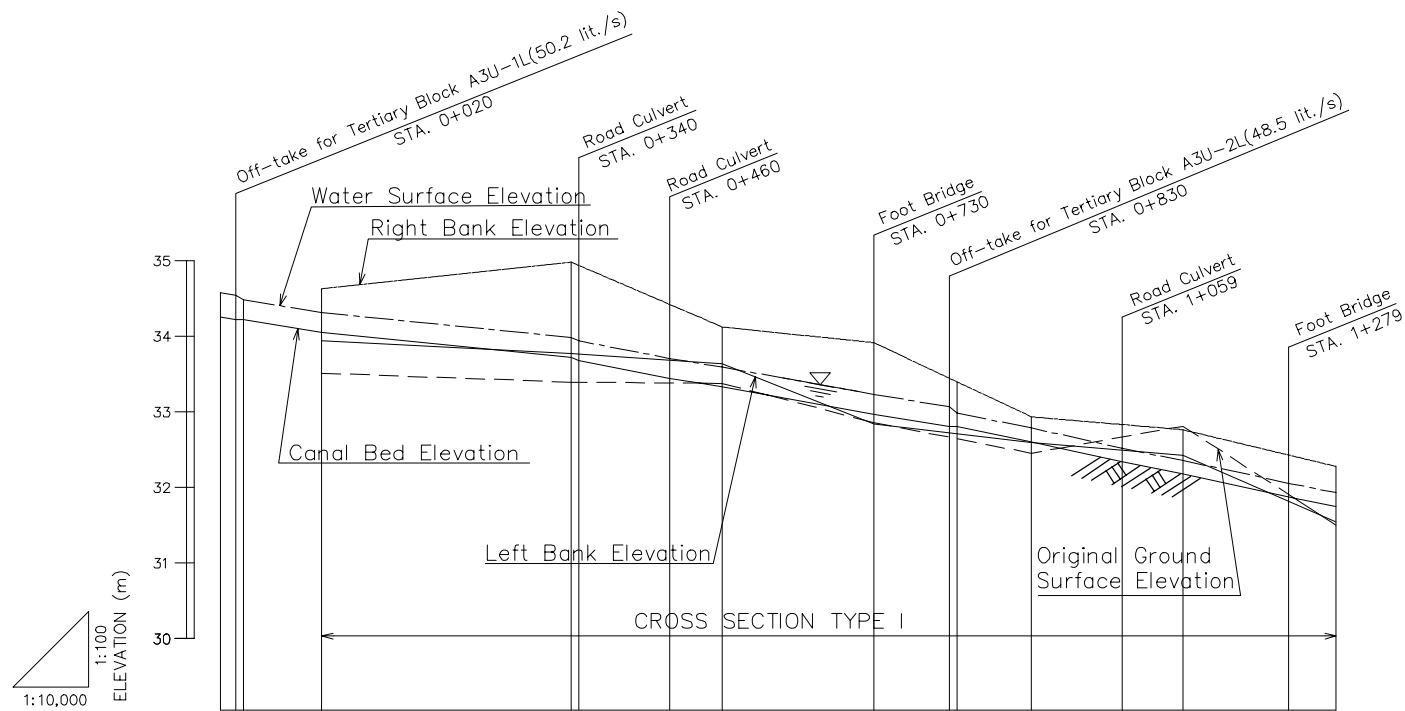
HYDRAULIC SECTION	Type A-5							
WATER SURFACE ELEVATION	26.761	26.594	26.428	26.356	26.349	26.346		
HYDRAULIC CANAL BED ELEVATION	25.964	25.797	25.631	25.559	25.559	25.559		
ORIGINAL GROUND SURFACE ELEVATION	25.349	24.993			24.518			
LEFT BANK ELEVATION	28.233	27.896						
RIGHT BANK ELEVATION	26.394	27.378						
ACCUMULATED DISTANCE	6.800	7.000	7.200	7.286	7.296	7.301		
DISTANCE	200	200	200	86	10	5		
STATION NO.	6+800	7+000		7+301 (EP)				

Hydraulic Parameters

Hydraulic Section	Discharge (m³/s)	Canal Bed Width(m)	Velocity (m/s)	Gradient	Roughness Coefficient	Canal Inside Slope	Design Water Depth(m)	Outside Slope
Type A-1	3.216	2.00	0.381	1:5000	0.035	1:2.0	1.615	1:1.5
Type A-2	3.065	2.00	0.588	1:1500	0.035	1:2.0	1.190	1:1.5
Type A-3	2.214	1.50	0.544	1:1500	0.035	1:2.0	1.100	1:1.5
Type A-4	1.544	1.30	0.498	1:1500	0.035	1:2.0	0.963	1:1.5
Type A-5	1.006	1.00	0.486	1:1500	0.035	1:2.0	0.797	1:1.5

Note; Survey Results for the lower stretch are not available and Profile of the stretch(Station No. 7+000 to the end) is not included in this drawing.

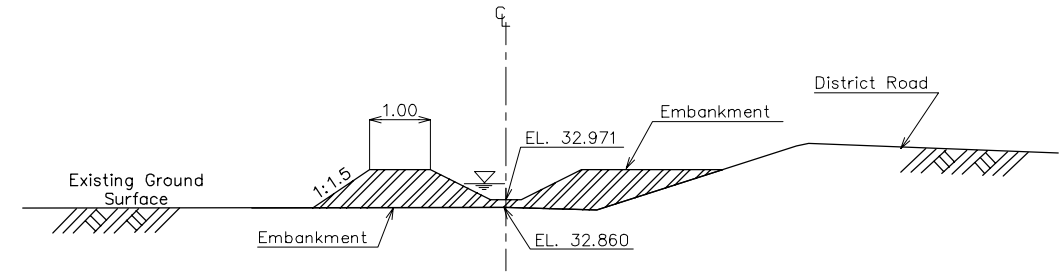
Japan International Cooperation Agency (JICA)	THE STUDY ON THE REHABILITATION AND RECONSTRUCTION OF AGRICULTURAL PRODUCTION SYSTEM IN THE SLAKOU RIVER BASIN	Title of Drawing	DATE Jan. 2002
	THE KINGDOM OF CAMBODIA	Upper Slakou River Irrigation Reconstruction Plan Irrigation Canal System; Profile of Main Canal 33(3/3) STA. 6+800 - 7+301	DRAWING NO. 32 of 62



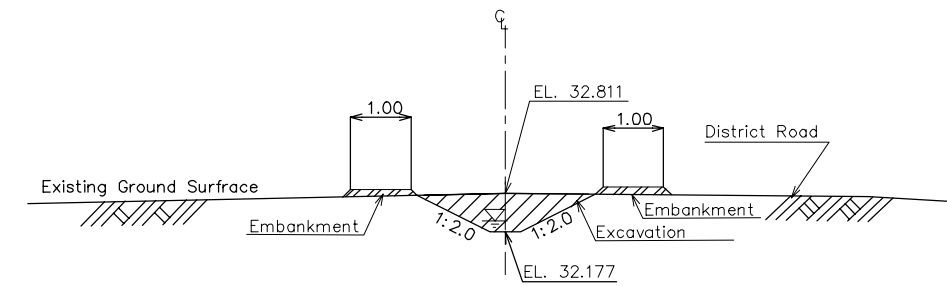
HYDRAULIC SECTION	Type A3U-01		Type A3U-02				Type A3U-03									
WATER SURFACE ELEVATION	34.574	34.541	34.485	34.312	33.985	33.938	33.708	33.592	33.233	33.067	32.985	32.787	32.517	32.357	32.057	31.931
HYDRAULIC CANAL BED ELEVATION	34.256	34.223	34.223	34.050	33.723	33.676	33.446	33.330	32.971	32.805	32.805	32.607	32.337	32.177	31.877	31.751
ORIGINAL GROUND SURFACE ELEVATION				33.511	33.394	33.376	33.378	33.378	32.860	32.860	32.453	32.453	32.811	32.811	31.504	31.504
LEFT BANK ELEVATION				33.943	33.775	33.639	33.639	32.840	32.840	32.599	32.599	32.423	32.423	31.548	31.548	31.548
RIGHT BANK ELEVATION				34.630	34.980	34.123	34.123	33.917	33.917	32.934	32.934	32.765	32.765	32.279	32.279	32.279
ACCUMULATED DISTANCE	0	20	30	134	330	340	460	530	730	830	840	939	1,059	1,139	1,279	1,342
DISTANCE	0	20	10	104	196	10	120	70	200	100	10	99	120	80	140	63
STATION NO.	0+000	0+020	0+030	0+134	0+330	0+340	0+460	0+530	0+730	0+830	0+840	0+939	1+059	1+139	1+279	1+342

Hydraulic Parameters

Hydraulic Section	Discharge (m ³ /s)	Canal Bed Width(m)	Velocity (m/s)	Gradient	Roughness Coefficient	Canal Inside Slope	Design Water Depth(m)	Outside Slope
Type A3U-01	0.137	0.500	0.38	1:600	0.035	1:2.0	0.31	1:1.5
Type A3U-02	0.091	0.500	0.34	1:600	0.035	1:2.0	0.26	1:1.5
Type A3U-03	0.047	0.500	0.30	1:500	0.035	1:2.0	1.18	1:1.5



TYPICAL CROSS SECTION; TYPE I-1
(Ex. STA No.0+730)

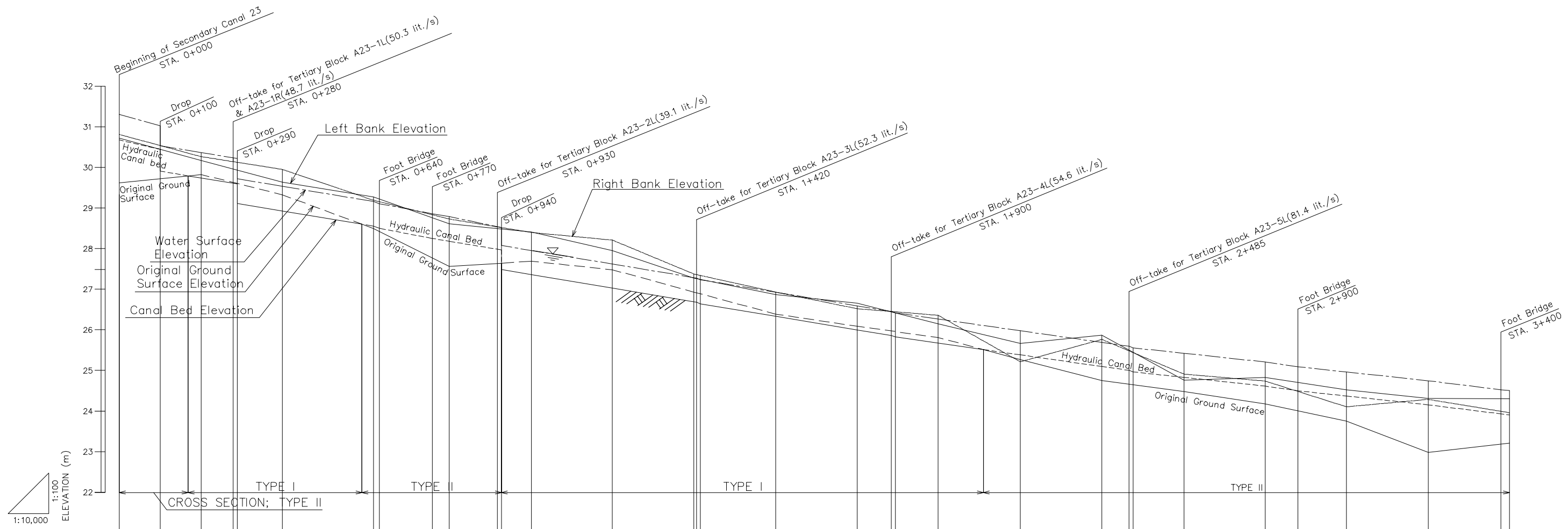


TYPICAL CROSS SECTION; TYPE I-2
(Ex. STA No.1+139)

Note 1; Length of Canal 3U is 1,417m in total. Survey Results for STA. 0+000-0+134 and STA. 1+342-end(1+417) are not available and Profile of the stretch(Station No. 1+342 to the end) is not included in this drawing.

Note 2; Stripping shall be given to the original ground on which embankment will be made.

Japan International Cooperation Agency (JICA)	THE STUDY ON THE REHABILITATION AND RECONSTRUCTION OF AGRICULTURAL PRODUCTION SYSTEM IN THE SLAKOU RIVER BASIN	Title of Drawing	DATE Jan. 2002
	THE KINGDOM OF CAMBODIA	Upper Slakou River Irrigation Reconstruction Plan Irrigation Canal System; Profile of Secondary Canal 3U STA. 0+000 - 1+342	DRAWING NO. 33 of 62

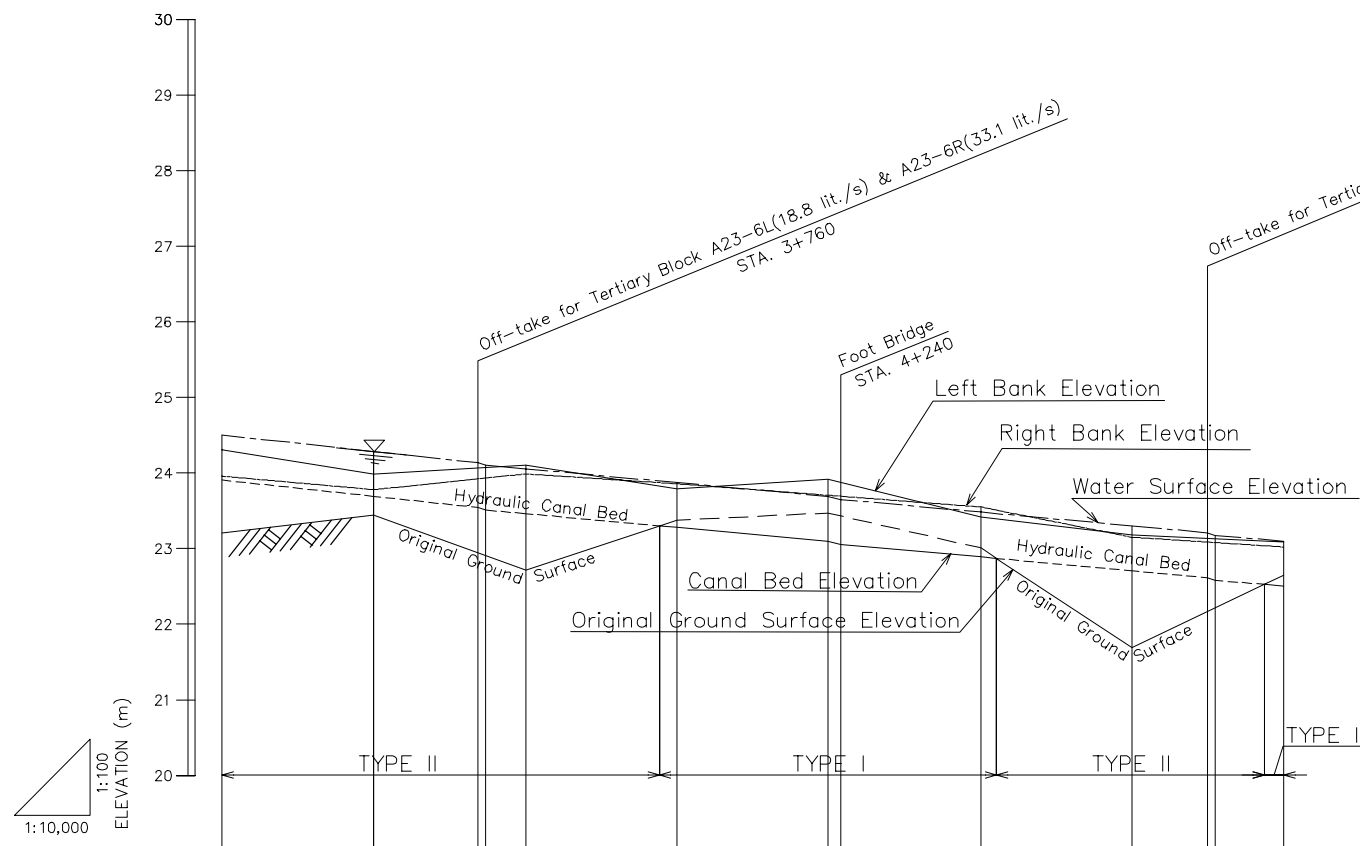


HYDRAULIC SECTION	Type A23-1		Type A23-2			Type A23-3			Type A23-4			Type A23-5			Type A23-6																				
WATER SURFACE ELEVATION	31.300	30.534	30.365	30.274	29.716	29.533	29.160	29.105	28.858	28.788	28.592	28.075	27.952	27.620	27.295	27.252	27.234	26.926	26.591	26.451	26.414	26.264	25.975	25.688	25.593	25.555	25.421	25.206	25.090	24.961	24.745	24.522	24.500		
HYDRAULIC CANAL BED ELEVATION	30.673	29.907	29.738	29.607	29.110	28.925	28.552	28.497	28.250	28.180	27.984	27.842	27.359	27.027	26.692	26.682	26.641	26.333	25.998	25.858	25.821	25.671	25.382	25.095	25.000	24.962	24.828	24.613	24.497	24.368	24.152	23.929	23.907		
ORIGINAL GROUND SURFACE ELEVATION	29.616		29.825			29.323	28.495		27.558		27.478		27.689	27.478	26.929	26.882	26.841	26.387	26.085			25.268	24.753	24.753	25.000	24.962	24.478	24.174	23.747	22.978	23.210				
LEFT BANK ELEVATION	30.722		30.167			29.634	29.271		28.613		27.947		28.408	27.947	27.275	27.373	27.275	26.863	26.651			25.667	25.869	25.869	25.000	24.962	24.478	24.174	23.747	22.978	24.307	24.303			
RIGHT BANK ELEVATION	30.809		30.264			29.950	29.191		28.728		28.209		28.396	28.209	27.373	27.373	27.373	26.929	26.518			25.212	25.763	25.763	24.908	24.908	24.478	24.174	23.747	22.978	24.286	24.286	23.968		
ACCUMULATED DISTANCE	0	100	201	280	290	401	625	640	770	812	930	940	1,014	1,213	1,414	1,430	1,615	1,816	1,900	1,910	2,015	2,217	2,418	2,485	2,495	2,620	2,820	2,900	3,020	3,221	3,400	3,421			
DISTANCE	0	100	101	79	10	111	224	15	130	42	118	10	74	199	20	10	185	201	84	10	105	202	201	67	10	125	200	80	120	201	179	21			
STATION NO.	0+000	0+100	0+201	0+280	0+290	0+401	0+625	0+640	0+770	0+812	0+930	0+940	1+014	1+213	1+414	1+430	1+615	1+816	1+900	1+910	2+015	2+217	2+418	2+485	2+495	2+620	2+820	2+900	3+020	3+221	3+400	3+421			

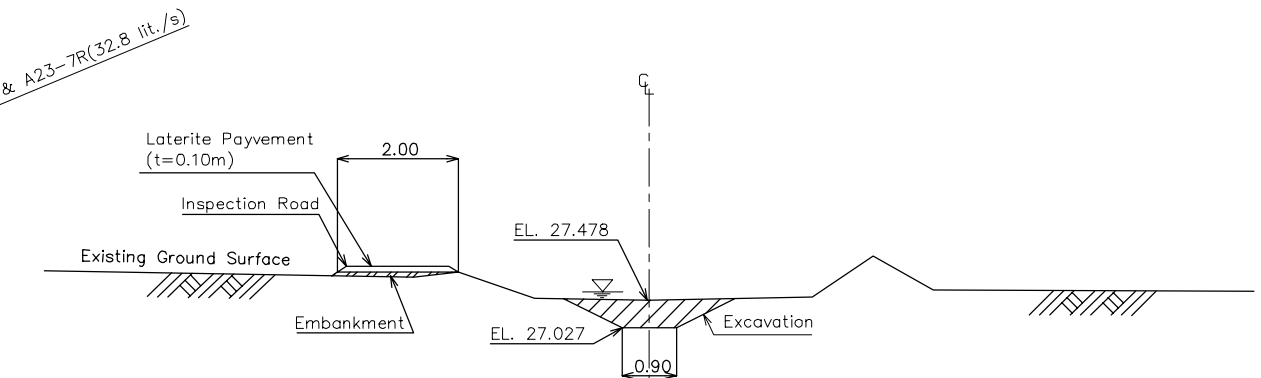
Note 1; Length of Canal 23 is 9,245m in total. Survey Results for the lower stretch are not available and Profile of the stretch (Station No. 4+826 to the end) is not included in this drawing.

Note 2; Typical Cross Sections for Type I and II are given in Drawing No. "35 of 62".

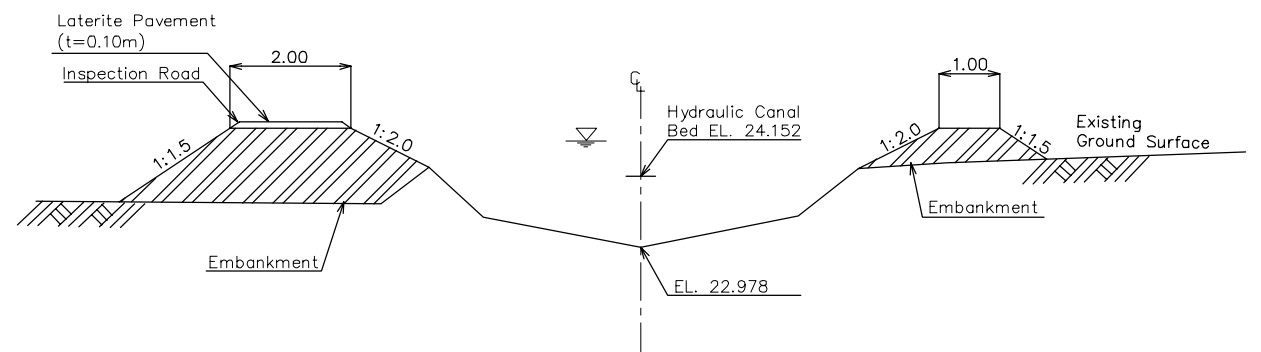
Japan International Cooperation Agency (JICA)	THE STUDY ON THE REHABILITATION AND RECONSTRUCTION OF AGRICULTURAL PRODUCTION SYSTEM IN THE SLAKOU RIVER BASIN	Title of Drawing	DATE Jan. 2002
	THE KINGDOM OF CAMBODIA	Upper Slakou River Irrigation Reconstruction Plan Irrigation Canal System; Profile of Secondary Canal 23(1/2) STA. 0+000 - 3+421	DRAWING NO. 34 of 62



HYDRAULIC SECTION	Type A23-6		Type A23-7			Type A23-8							
WATER SURFACE ELEVATION	24.500	24.284	24.135	24.103	24.055	23.873	23.691	23.650	23.482	23.300	23.210	23.173	23.100
HYDRAULIC CANAL BED ELEVATION	23.907	23.691	23.542	23.510	23.462	23.280	23.098	23.057	22.888	22.707	22.617	22.580	22.507
ORIGINAL GROUND SURFACE ELEVATION	23.210	23.440	23.510	22.712	23.378	23.471	23.007	21.694	22.649	22.649	22.649	22.649	22.649
LEFT BANK ELEVATION	24.303	23.987	24.106	23.788	23.916	23.415	23.177	23.086	23.021	23.021	23.021	23.021	23.021
RIGHT BANK ELEVATION	23.958	23.780	23.987	23.857	23.705	23.550	23.190	23.021	23.021	23.021	23.021	23.021	23.021
ACCUMULATED DISTANCE	3,421	3,622	3,760	3,770	3,823	4,023	4,223	4,240	4,425	4,625	4,725	4,735	4,826
DISTANCE	21	201	138	10	53	200	200	17	185	200	100	10	91
STATION NO.	3+421	3+622	3+760	3+770	3+823	4+023	4+223	4+240	4+425	4+625	4+725	4+735	4+826



TYPICAL CROSS SECTION; TYPE I
(Ex. STA No.1+213)



TYPICAL CROSS SECTION; TYPE II
(Ex. STA No.3+221)

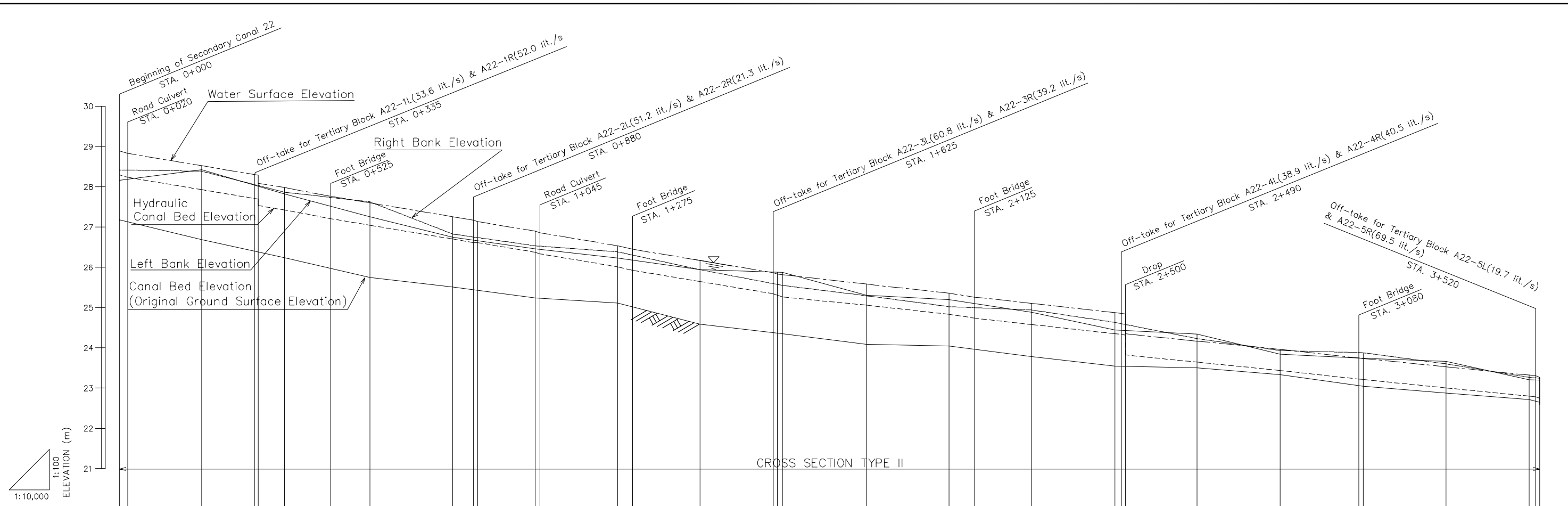
Hydraulic Parameters

Hydraulic Section	Discharge (m ³ /s)	Canal Bed Width(m)	Velocity (m/s)	Gradient	Roughness Coefficient	Canal Inside Slope	Design Water Depth(m)	Outside Slope
Type A23-1	0.851	1.00	0.60	1:600	0.035	1:2.0	0.62	1:1.5
Type A23-2	0.752	0.90	0.58	1:600	0.035	1:2.0	0.60	1:1.5
Type A23-3	0.713	0.90	0.57	1:600	0.035	1:2.0	0.59	1:1.5
Type A23-4	0.661	0.80	0.56	1:600	0.035	1:2.0	0.58	1:1.5
Type A23-5	0.606	0.80	0.52	1:700	0.035	1:2.0	0.58	1:1.5
Type A23-6	0.525	0.80	0.45	1:930	0.035	1:2.0	0.58	1:1.5
Type A23-7	0.473	0.80	0.41	1:1,100	0.035	1:2.0	0.58	1:1.5
Type A23-8	0.384	0.80	0.37	1:1,250	0.035	1:2.0	0.54	1:1.5

Note 1; Length of Canal 23 is 9,245m in total.
Survey Results for the lower stretch are not available and Profile of the stretch(Station No. 4+826 to the end) is not included in this drawing.

Note 2; Stripping shall be given to the original ground on which embankment will be made.

Japan International Cooperation Agency (JICA)	THE STUDY ON THE REHABILITATION AND RECONSTRUCTION OF AGRICULTURAL PRODUCTION SYSTEM IN THE SLAKOU RIVER BASIN	Title of Drawing	DATE Jan. 2002
	THE KINGDOM OF CAMBODIA	Upper Slakou River Irrigation Reconstruction Plan Irrigation Canal System; Profile of Secondary Canal 23(2/2) STA. 3+421 - 4+826	DRAWING NO. 35 of 62



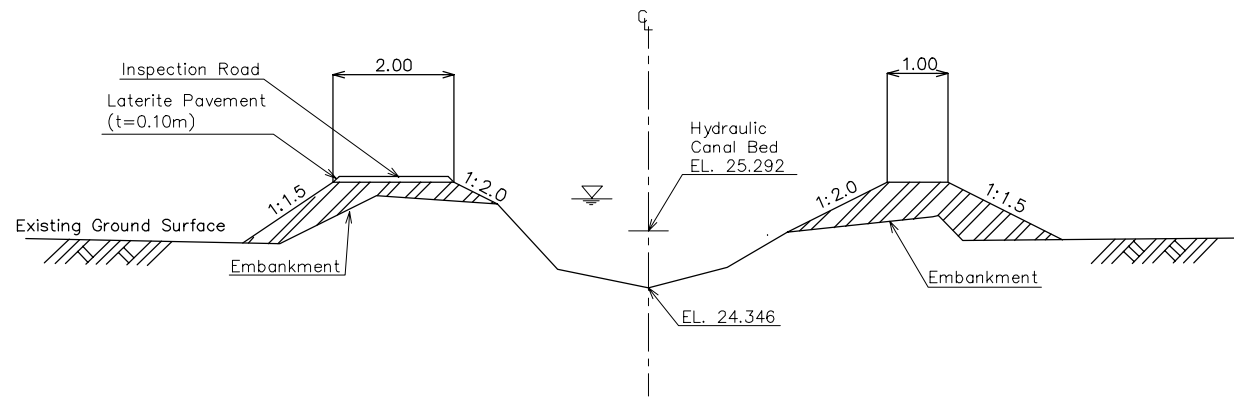
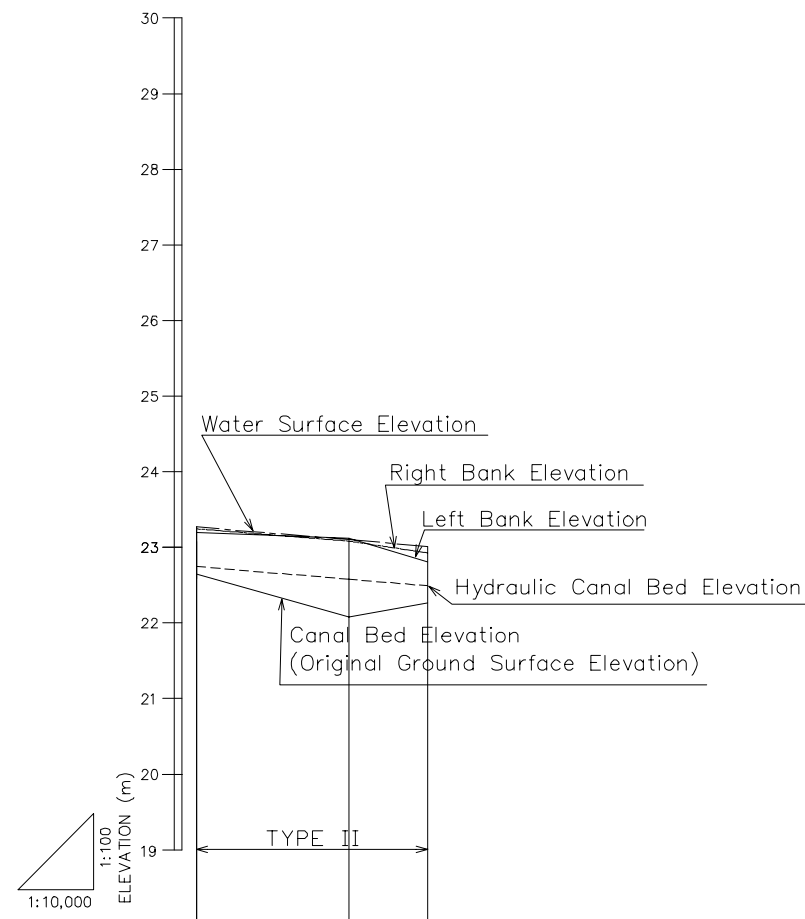
HYDRAULIC SECTION	Type A22-1		Type A22-2		Type A22-3		TYPE A22-4		Type A22-5																										
WATER SURFACE ELEVATION	28.886	28.828	28.521	28.303	28.088	27.979	27.763	27.601	26.702	27.258	27.171	27.135	26.897	26.857	26.535	26.448	25.865	25.829	25.815	25.583	25.355	25.260	25.102	24.872	24.854	24.346	24.168	23.961	23.746	23.306	23.269				
HYDRAULIC CANAL BED ELEVATION	28.293	28.235	27.928	27.710	27.532	27.423	27.207	27.045	26.702	26.615	26.612	26.374	26.334	26.012	25.926	25.646	25.342	25.306	25.292	25.060	24.832	24.737	24.579	24.579	24.349	24.331	23.823	23.645	23.438	23.223	23.212	23.006	22.799	22.783	22.746
ORIGINAL GROUND SURFACE ELEVATION	27.178	26.685	26.236	25.508	25.748	25.241	25.113	24.583	25.508	25.508	25.241	25.113	24.583	24.084	24.048	24.048	24.346	24.346	24.346	24.084	24.048	24.048	23.786	23.786	23.548	23.548	23.502	23.336	23.046	22.876	22.719	22.719	22.719	22.719	
LEFT BANK ELEVATION	28.157	28.424	27.819	27.253	26.748	26.462	26.227	25.940	26.748	26.748	26.534	26.227	25.940	25.303	25.196	24.887	25.873	25.873	25.873	25.303	25.023	24.941	24.887	24.887	24.447	24.447	24.344	23.843	23.740	23.662	23.206	23.206	23.206	23.206	
RIGHT BANK ELEVATION	28.417	28.386	27.865	27.626	26.826	26.534	26.384	25.937	26.826	26.826	26.534	26.384	25.937	25.294	25.023	24.941	25.550	25.550	25.550	25.294	25.023	24.941	24.887	24.887	24.631	24.631	24.250	23.931	23.879	23.602	23.266	23.266	23.266	23.266	
ACCUMULATED DISTANCE	0	20	204	335	345	410	525	622	828	880	890	1,033	1,045	1,238	1,275	1,443	1,625	1,635	1,648	1,856	2,062	2,125	2,267	2,474	2,490	2,500	2,678	2,885	3,080	3,091	3,297	3,504	3,520	3,530	
DISTANCE	0	20	184	13	10	65	115	97	206	52	10	143	12	193	37	168	182	10	13	208	206	63	142	207	16	10	178	207	195	11	206	207	16	10	
STATION NO.	0+000	0+020	0+204	0+335	0+345	0+410	0+525	0+622	0+828	0+880	0+890	1+033	1+045	1+238	1+275	1+443	1+625	1+635	1+648	1+856	2+062	2+125	2+267	2+474	2+490	2+500	2+678	2+885	3+080	3+091	3+297	3+504	3+520	3+530	

Hydraulic Parameters

Hydraulic Section	Discharge (m³/s)	Canal Bed Width(m)	Velocity (m/s)	Gradient	Roughness Coefficient	Canal Inside Slope	Design Water Depth(m)	Outside Slope
Type A22-1	0.670	0.80	0.57	1:600	0.035	1:2.0	0.59	1:1.5
Type A22-2	0.584	0.80	0.55	1:600	0.035	1:2.0	0.55	1:1.5
Type A22-3	0.512	0.80	0.53	1:600	0.035	1:2.0	0.52	1:1.5
Type A22-4	0.412	0.80	0.43	1:900	0.035	1:2.0	0.51	1:1.5
Type A22-5	0.332	0.70	0.39	1:1,000	0.035	1:2.0	0.49	1:1.5
Type A22-6	0.243	0.70	0.34	1:1,200	0.035	1:2.0	0.44	1:1.5

Note 1; Length of Canal 22 is 8,040m in total.
 Survey Results for the lower stretch are not available and Profile of the stretch(Station No. 3+836 to the end) is not included in this drawing.
 Note 2; Typical Cross Section for Type II is given in Drawing No. "37 of 62".

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TYPICAL CROSS SECTION; TYPE II
(Ex. STA No.1+648)

HYDRAULIC SECTION	Type A22-6		
WATER SURFACE ELEVATION	23.269	23.101	23.014
HYDRAULIC CANAL BED ELEVATION	22.746	22.578	22.491
ORIGINAL GROUND SURFACE ELEVATION		22.079	22.266
LEFT BANK ELEVATION		23.120	22.805
RIGHT BANK ELEVATION		23.082	22.926
ACCUMULATED DISTANCE	3.530	3.732	3.836
DISTANCE	10	202	104
STATION NO.	3+530	3+732	3+836

Hydraulic Parameters

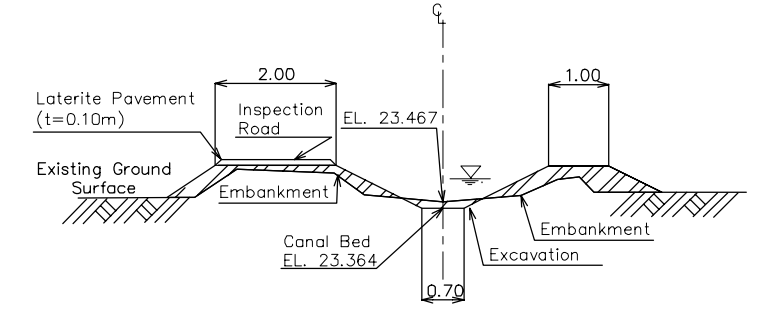
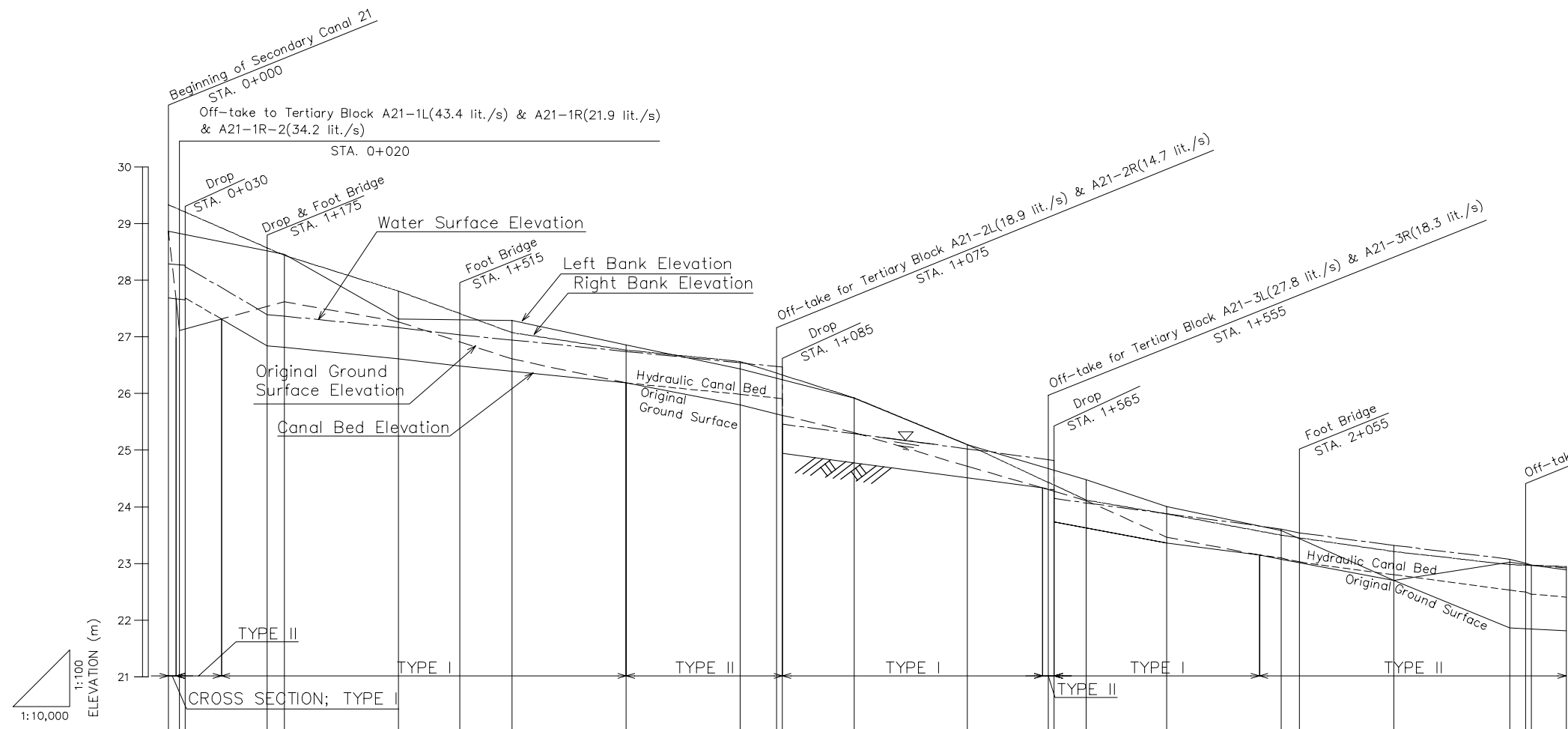
Hydraulic Section	Discharge (m ³ /s)	Canal Bed Width(m)	Velocity (m/s)	Gradient	Roughness Coefficient	Canal Inside Slope	Design Water Depth(m)	Outside Slope
Type A22-1	0.670	0.80	0.57	1:600	0.035	1:2.0	0.59	1:1.5
Type A22-2	0.584	0.80	0.55	1:600	0.035	1:2.0	0.55	1:1.5
Type A22-3	0.512	0.80	0.53	1:600	0.035	1:2.0	0.52	1:1.5
Type A22-4	0.412	0.80	0.43	1:900	0.035	1:2.0	0.51	1:1.5
Type A22-5	0.332	0.70	0.39	1:1,000	0.035	1:2.0	0.49	1:1.5
Type A22-6	0.243	0.70	0.34	1:1,200	0.035	1:2.0	0.44	1:1.5

Note 1; Length of Canal 22 is 8,040m in total.
Survey Results for the lower stretch are not available and Profile of the stretch(Station No. 3+836 to the end) is not included in this drawing.

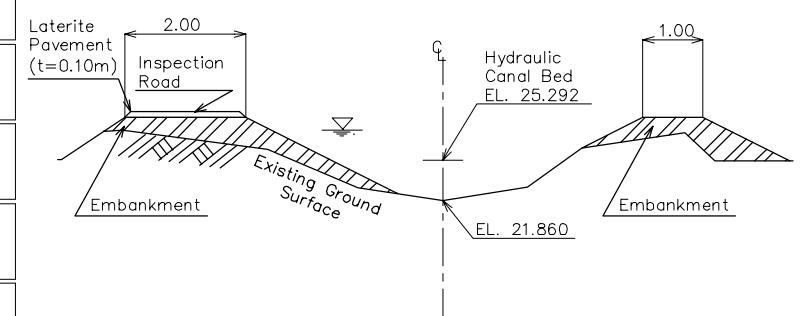
Note 2; In Secondary Canal 22, Cross Section Type II will be applied to Station No. 0+000 to 3+836.

Note 3; Stripping shall be given to the original ground on which embankment will be made.

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TYPICAL CROSS SECTION; TYPE I
(Ex. STA No.1+821)



TYPICAL CROSS SECTION; TYPE II
(Ex. STA No.2+427)

HYDRAULIC SECTION	Type A21-1	Type A21-2		Type A21-3		Type A21-4		Type A21-5							
WATER SURFACE ELEVATION	28.290 28.270 28.241	27.396 27.366	27.164	27.036	26.944	26.742	26.541	26.476 25.461	25.291	25.025	24.834 24.221	24.145	23.880	23.611 23.543	23.320
HYDRAULIC CANAL BED ELEVATION	27.686 27.666 27.687	26.842 26.812	26.610	26.482	26.390	26.188	25.987	25.922 24.945	24.775	24.509	24.318 23.705	23.629	23.364	23.095 23.027	22.804
ORIGINAL GROUND SURFACE ELEVATION	28.864 27.115	27.618	27.269	26.610	26.121	25.800	25.800	25.922 24.945	25.309	24.715	24.318 23.705	24.109	23.467	23.071	22.697
LEFT BANK ELEVATION	28.869	28.456	27.315	27.291	26.858	26.438	25.917	25.917	25.096	24.715	24.483	24.004	23.467	23.582	22.705
RIGHT BANK ELEVATION	29.334	28.439	27.808	27.076	26.767	26.566	25.923	25.923	25.098	24.715	24.118	23.876	23.467	23.500	23.212
ACCUMULATED DISTANCE	0 20 30	175 205	407	515	607	809	1,010	1,075 1,085	1,212	1,412	1,555 1,565	1,622	1,821	2,023 2,055	2,222
DISTANCE	0 20 10	145 30	202	108	92	202	201	65 10	127	200	143 10	57	199	202 32	167
STATION NO.	0+000 0+020 0+030	0+175 0+205	0+407	0+515	0+607	0+809	1+010	1+075 1+085	1+212	1+412	1+555 1+565	1+622	1+821	2+023 2+055	2+222

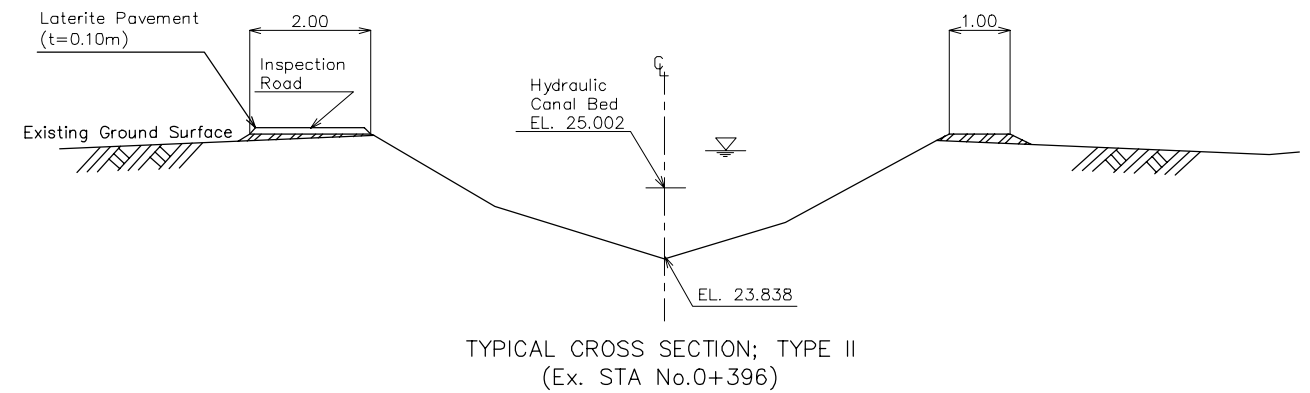
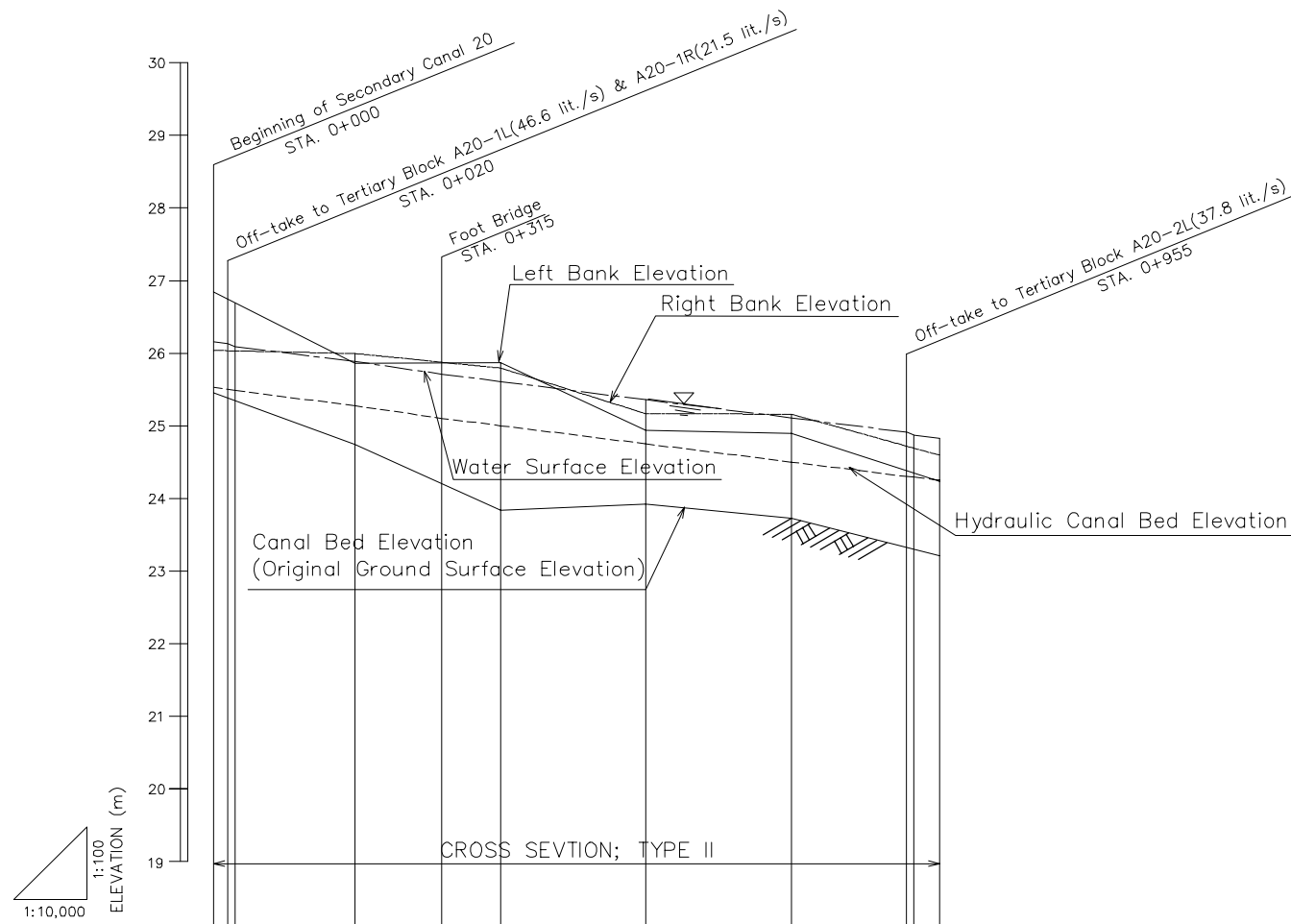
Hydraulic Parameters

Hydraulic Section	Discharge (m ³ /s)	Canal Bed Width(m)	Velocity (m/s)	Gradient	Roughness Coefficient	Canal Inside Slope	Design Water Depth(m)	Outside Slope
Type A21-1	0.539	0.80	0.44	1:1,000	0.035	1:2.0	0.60	1:1.5
Type A21-2	0.448	0.80	0.42	1:1,000	0.035	1:2.0	0.55	1:1.5
Type A21-3	0.415	0.70	0.46	1:750	0.035	1:2.0	0.51	1:1.5
Type A21-4	0.369	0.70	0.45	1:750	0.035	1:2.0	0.48	1:1.5
Type A21-5	0.295	0.70	0.36	1:1,150	0.035	1:2.0	0.48	1:1.5

Note 1; Length of Canal 21 is 6,930m in total. Survey Results for the lower stretch are not available and Profile of the stretch(Station No. 2+527 to the end) is not included in this drawing.

Note 2; Stripping shall be given to the original ground on which embankment will be made.

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HYDRAULIC SECTION	Type A20-1		Type A20-2				Type A20-3					
WATER SURFACE ELEVATION	26.155	26.130	26.093	25.886	25.711	25.610	25.361	25.110	24.911	24.870	24.826	
HYDRAULIC CANAL BED ELEVATION	25.534	25.509	25.485	25.278	25.103	25.002	24.753	24.502	24.303	24.296	24.252	
ORIGINAL GROUND SURFACE ELEVATION	25.451			24.743		23.838		23.920		23.731		23.208
LEFT BANK ELEVATION	26.841			25.858		25.873		24.942		24.896		24.236
RIGHT BANK ELEVATION	26.039			25.996		25.795		25.169		25.160		24.596
ACCUMULATED DISTANCE	0	20	50	195	315	396	595	796	955	965	1,000	
DISTANCE	0	20	10	165	120	81	199	201	159	10	35	
STATION NO.	0+000	0+020	0+030	0+195	0+315	0+396	0+595	0+796	0+955	0+965	1+000	

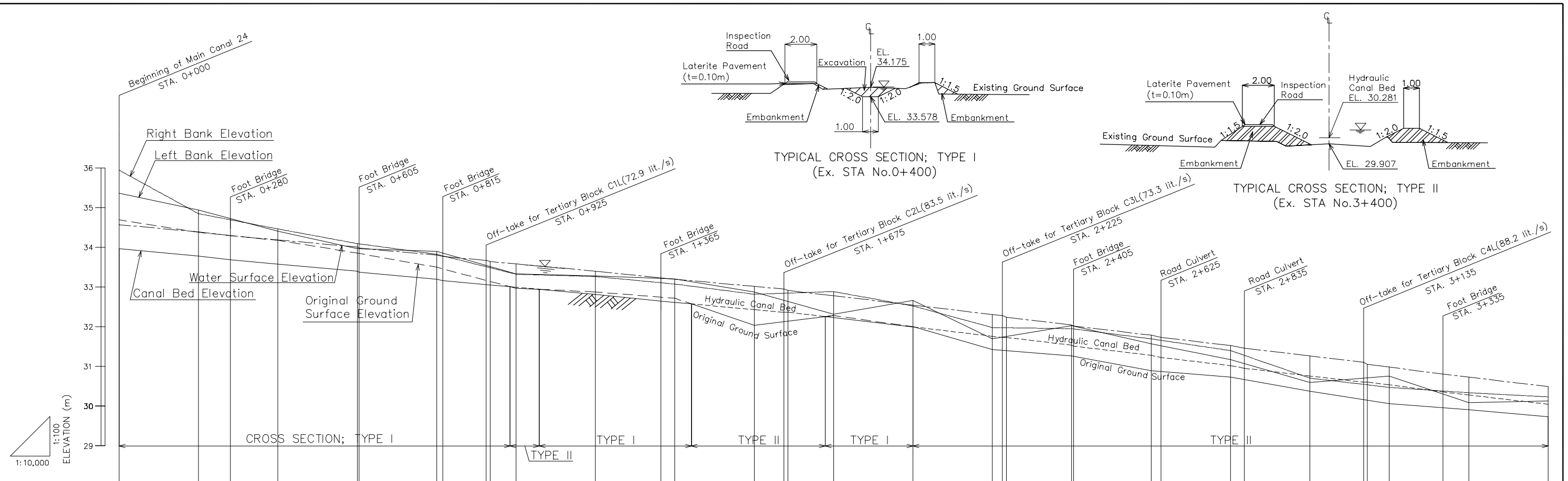
Hydraulic Parameters

Hydraulic Section	Discharge (m ³ /s)	Canal Bed Width(m)	Velocity (m/s)	Gradient	Roughness Coefficient	Canal Inside Slope	Design Water Depth(m)	Outside Slope
Type A20-1	0.681	0.90	0.51	1:800	0.035	1:2.0	0.62	1:1.5
Type A20-2	0.613	0.80	0.50	1:800	0.035	1:2.0	0.60	1:1.5
Type A20-3	0.542	0.80	0.48	1:800	0.035	1:2.0	0.57	1:1.5

Note 1; Length of Canal 20 and 20S is 8,280m in total.
Survey Results for the lower stretch are not available and Profile of the stretch(Station No. 1+000 to the end) is not included in this drawing.

Note 2; Stripping shall be given to the original ground on which embankment will be made.

Japan International Cooperation Agency (JICA)	THE STUDY ON THE REHABILITATION AND RECONSTRUCTION OF AGRICULTURAL PRODUCTION SYSTEM IN THE SLAKOU RIVER BASIN	Title of Drawing	DATE Jan. 2002
	THE KINGDOM OF CAMBODIA	Upper Slakou River Irrigation Reconstruction Plan Irrigation Canal System; Profile of Secondary Canal 20 STA. 0+000 - 1+000	DRAWING NO. 39 of 62



HYDRAULIC CANAL TYPE	Type C-1				Type C-2				Type C-3				Type C-4				Type C-5																		
WATER SURFACE ELEVATION	34.570	34.388	34.295	34.186	34.005	33.980	33.803	33.669	33.581	33.399	33.229	33.198	33.016	32.948	32.779	32.544	32.309	32.279	32.042	31.787	31.526	31.460	31.107	31.049	30.984	30.805	30.729	30.494							
HYDRAULIC CANAL BED ELEVATION	33.962	33.780	33.687	33.578	33.397	33.372	33.195	33.061	33.054	32.995	32.813	32.643	32.430	32.362	32.230	31.995	31.760	31.730	31.536	31.281	31.020	30.954	30.601	30.601	30.536	30.357	30.281	30.046							
ORIGINAL GROUND SURFACE ELEVATION	34.692	34.377	34.175	33.854	33.498	33.161	33.061	33.054	32.995	32.876	32.612	32.031	32.430	32.362	32.281	32.000	31.427	31.730	31.267	30.882	30.735	30.954	30.601	30.601	30.536	29.907	29.730	29.730							
LEFT BANK ELEVATION	35.365	34.943	34.408	33.970	33.896	33.370	33.333	33.284	33.284	33.284	33.204	32.877	32.877	32.818	32.313	32.662	31.695	31.979	32.028	31.573	31.169	30.706	30.760	30.760	30.599	30.089	30.130	30.130							
RIGHT BANK ELEVATION	35.943	34.847	34.463	34.175	34.094	33.824	33.322	33.264	33.264	33.204	33.075	32.818	32.818	32.885	32.522	32.522	31.979	31.979	31.951	31.694	31.399	30.706	30.472	30.472	30.337	30.337	30.234	30.234							
ACCUMULATED DISTANCE	0	200	280	400	600	605	800	815	825	835	1,000	1,200	1,365	1,400	1,600	1,675	1,685	1,800	2,000	2,200	2,225	2,235	2,400	2,405	2,600	2,625	2,800	2,835	3,000	3,135	3,145	3,200	3,335	3,400	3,600
DISTANCE	0	200	80	120	200	5	195	15	110	10	65	200	165	35	200	75	10	115	200	200	25	10	165	5	195	25	175	35	165	135	10	55	135	65	200
STATION NO.	0+000	0+200	0+280	0+400	0+600	0+605	0+800	0+815	0+925	0+935	1+000	1+200	1+365	1+400	1+600	1+675	1+685	1+800	2+000	2+200	2+225	2+235	2+400	2+405	2+600	2+625	2+800	2+835	3+000	3+135	3+145	3+200	3+335	3+400	3+600

Hydraulic Parameters

Hydraulic Section	Discharge (m ³ /s)	Canal Bed Width(m)	Velocity (m/s)	Gradient	Roughness Coefficient	Canal Inside Slope	Design Water Depth(m)	Outside Slope
Type C-1	0.617	1.00	0.438	1:1,100	0.035	1:2.0	0.608	1:1.5
Type C-2	0.544	1.00	0.429	1:1,100	0.035	1:2.0	0.586	1:1.5
Type C-3	0.460	0.75	0.455	1:850	0.035	1:2.0	0.549	1:1.5
Type C-4	0.387	0.75	0.435	1:850	0.035	1:2.0	0.506	1:1.5
Type C-5	0.299	0.75	0.407	1:850	0.035	1:2.0	0.448	1:1.5

Note 1; Length of 24 is 5,715m in total. Survey Results for the lower stretch are not available and Profile of the stretch(Station No. 3+503 to the end) is not included in this drawing.

Note 2; Stripping shall be given to the original ground on which embankment will be made.

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