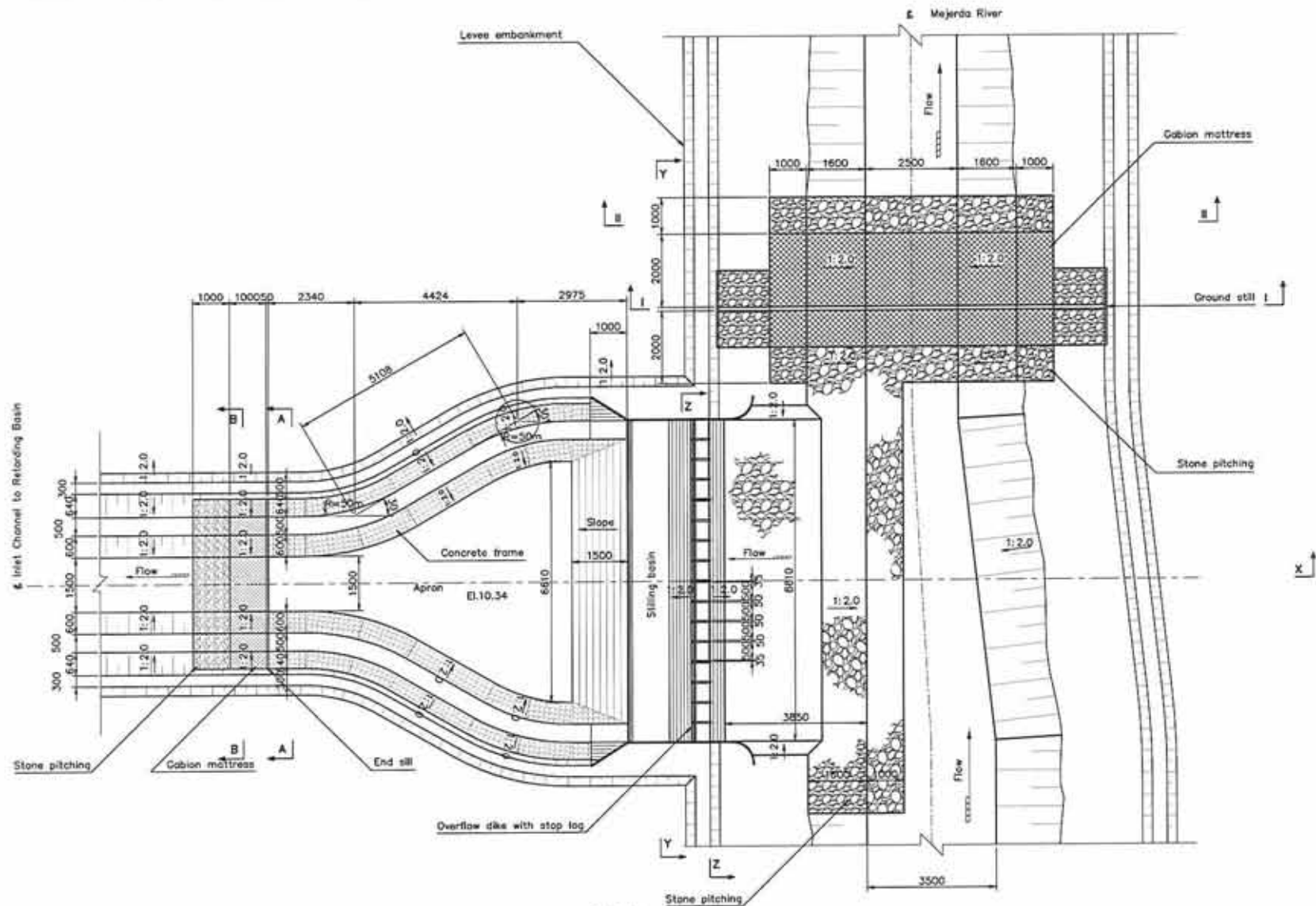


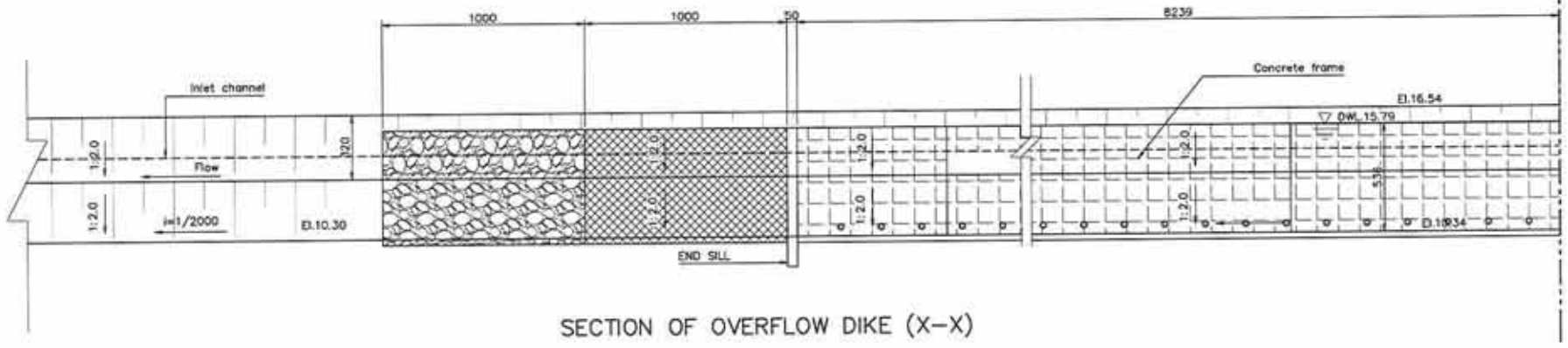
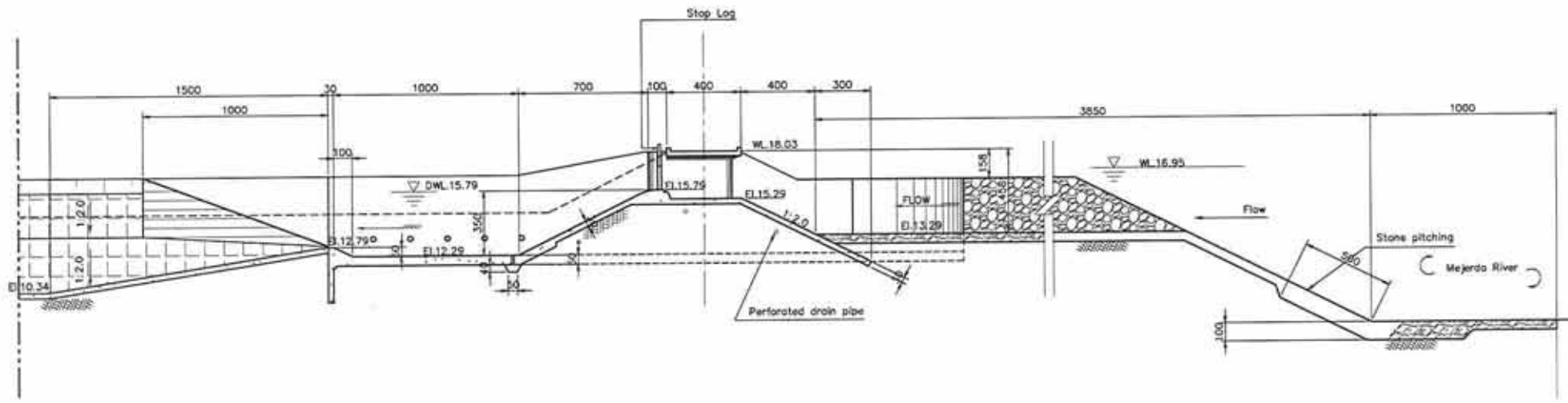
DE1-31



PLAN

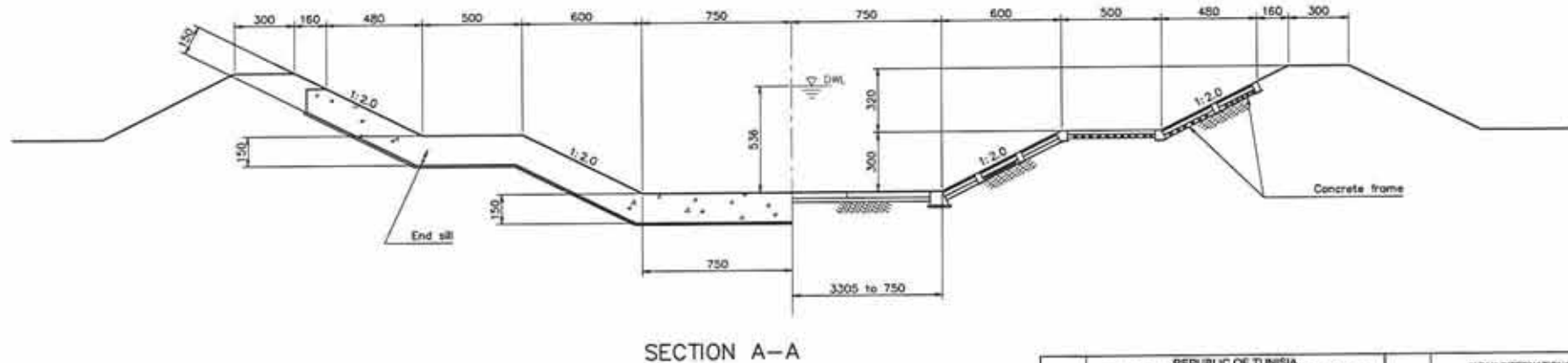
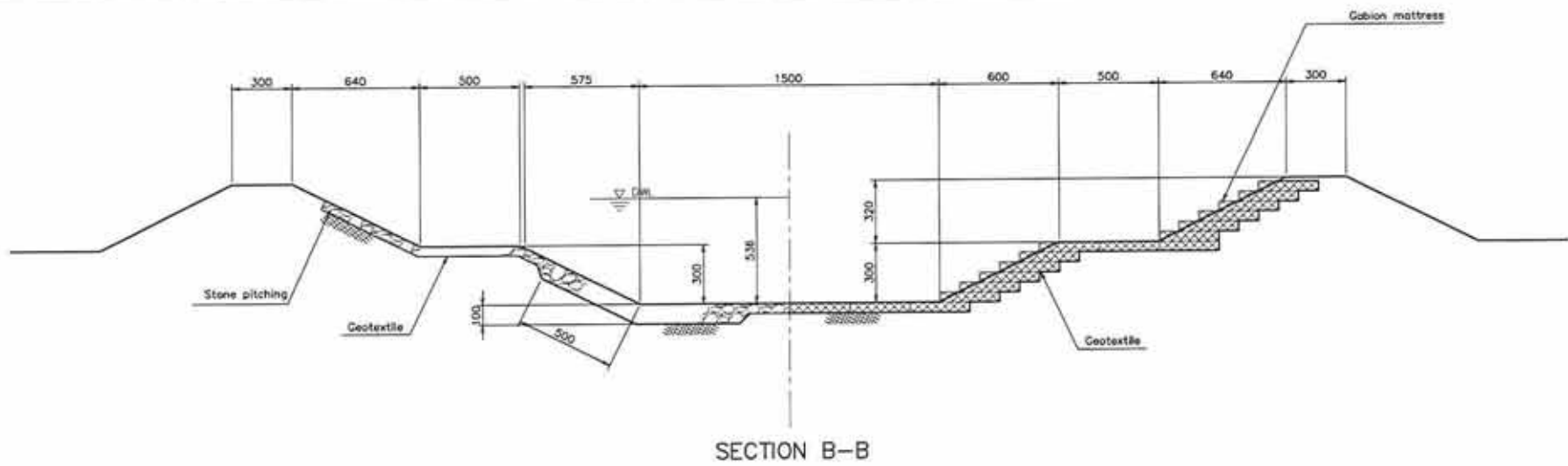
REPUBLIC OF TUNISIA MINISTRY OF AGRICULTURE AND WATER RESOURCES DEPARTMENT OF DAMS AND LARGE HYDRAULIC WORKS		JAPAN INTERNATIONAL COOPERATION AGENCY
THE STUDY ON INTEGRATED BASIN MANAGEMENT FOCUSED ON FLOOD CONTROL IN MEJERDA RIVER		
DRAWING TITLE EL MABITOUH RETARDING BASIN (ZONE 02) INLET STRUCTURE OF RETARDING BASIN - OVERFLOW DIKE WITH STOP LOG PLAN		SHEET NO. <b>E-31</b>
NIPPON KOEI Co., Ltd.		

DE1-32



SECTION OF OVERFLOW DIKE (X-X)

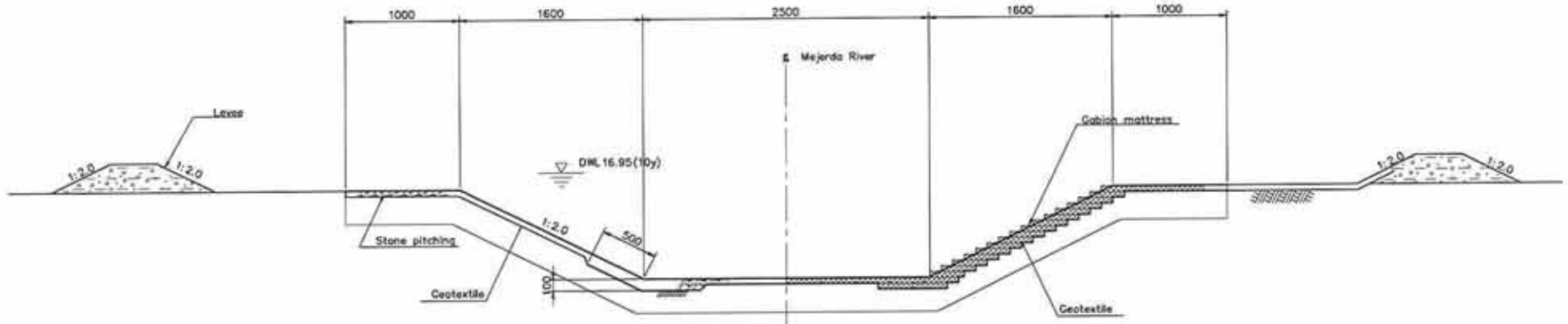
REPUBLIC OF TUNISIA MINISTRY OF AGRICULTURE AND WATER RESOURCES DEPARTMENT OF DAMS AND LARGE HYDRAULIC WORKS		JAPAN INTERNATIONAL COOPERATION AGENCY
THE STUDY ON INTEGRATED BASIN MANAGEMENT FOCUSED ON FLOOD CONTROL IN MEJERDA RIVER		
DRAWING TITLE	EL MABTOUH RETARDING BASIN (ZONE D2) INLET STRUCTURE OF RETARDING BASIN - OVERFLOW DIKE WITH STOP LOG PROFILE	SHEET NO. <b>E-32</b>
NIPPON KOEI Co., Ltd.		



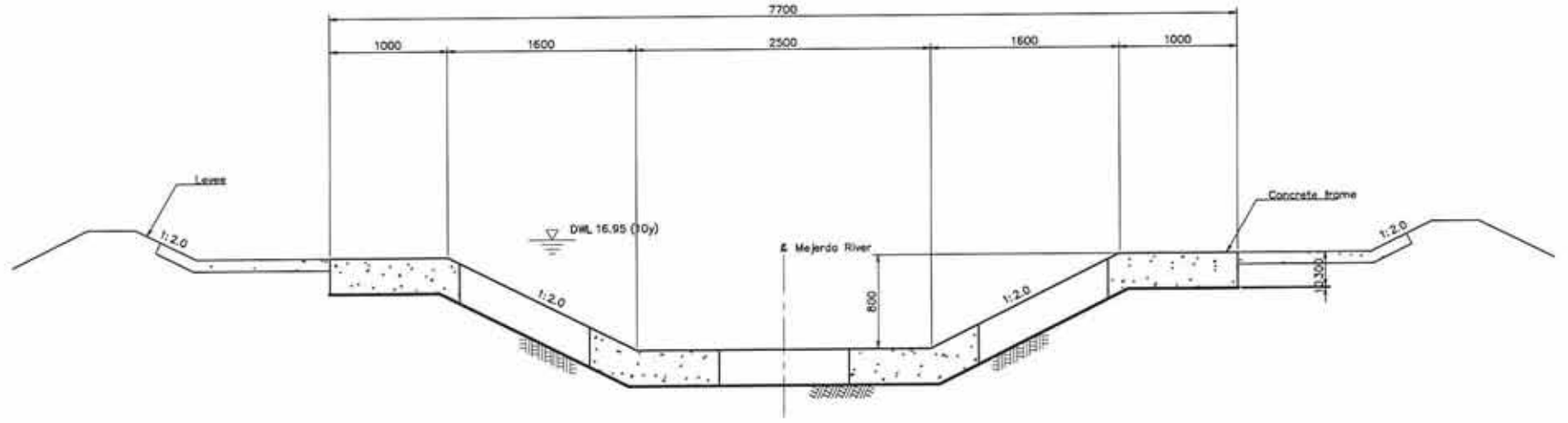
REPUBLIC OF TUNISIA MINISTRY OF AGRICULTURE AND WATER RESOURCES DEPARTMENT OF DAMS AND LARGE HYDRAULIC WORKS		JAPAN INTERNATIONAL COOPERATION AGENCY
THE STUDY ON INTEGRATED BASIN MANAGEMENT FOCUSED ON FLOOD CONTROL IN MEJERDA RIVER		
DRAWING TITLE	EL MABTOUH RETARDING BASIN (ZONE D2) INLET STRUCTURE OF RETARDING BASIN - OVERFLOW DIKE WITH STOP LOG CROSS SECTIONS (1/2)	SHEET NO. <b>E-33</b>
NIPPON KOEI Co., Ltd.		

DE1-33

DE1-34



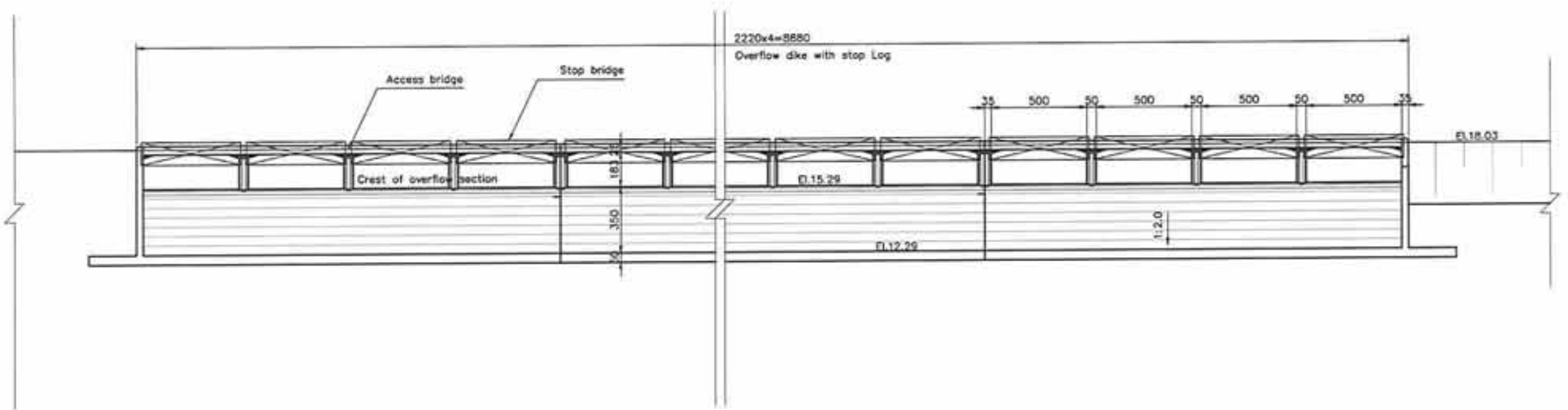
SECTION II-II



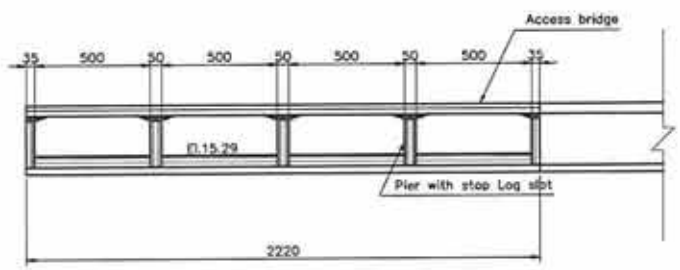
SECTION I-I

REPUBLIC OF TUNISIA MINISTRY OF AGRICULTURE AND WATER RESOURCES DEPARTMENT OF DAMS AND LARGE HYDRAULIC WORKS		JAPAN INTERNATIONAL COOPERATION AGENCY
THE STUDY ON INTEGRATED BASIN MANAGEMENT FOCUSED ON FLOOD CONTROL IN MEJERDA RIVER		
DRAWING TITLE EL MASTOUH RETARDING BASIN (ZONE D2) INLET STRUCTURE OF RETARDING BASIN - OVERFLOW DIKE WITH STOP LOG CROSS SECTIONS (2/2)		SHEET NO. <b>E-34</b>
NIPPON KOEI Co., Ltd.		

DE1-35



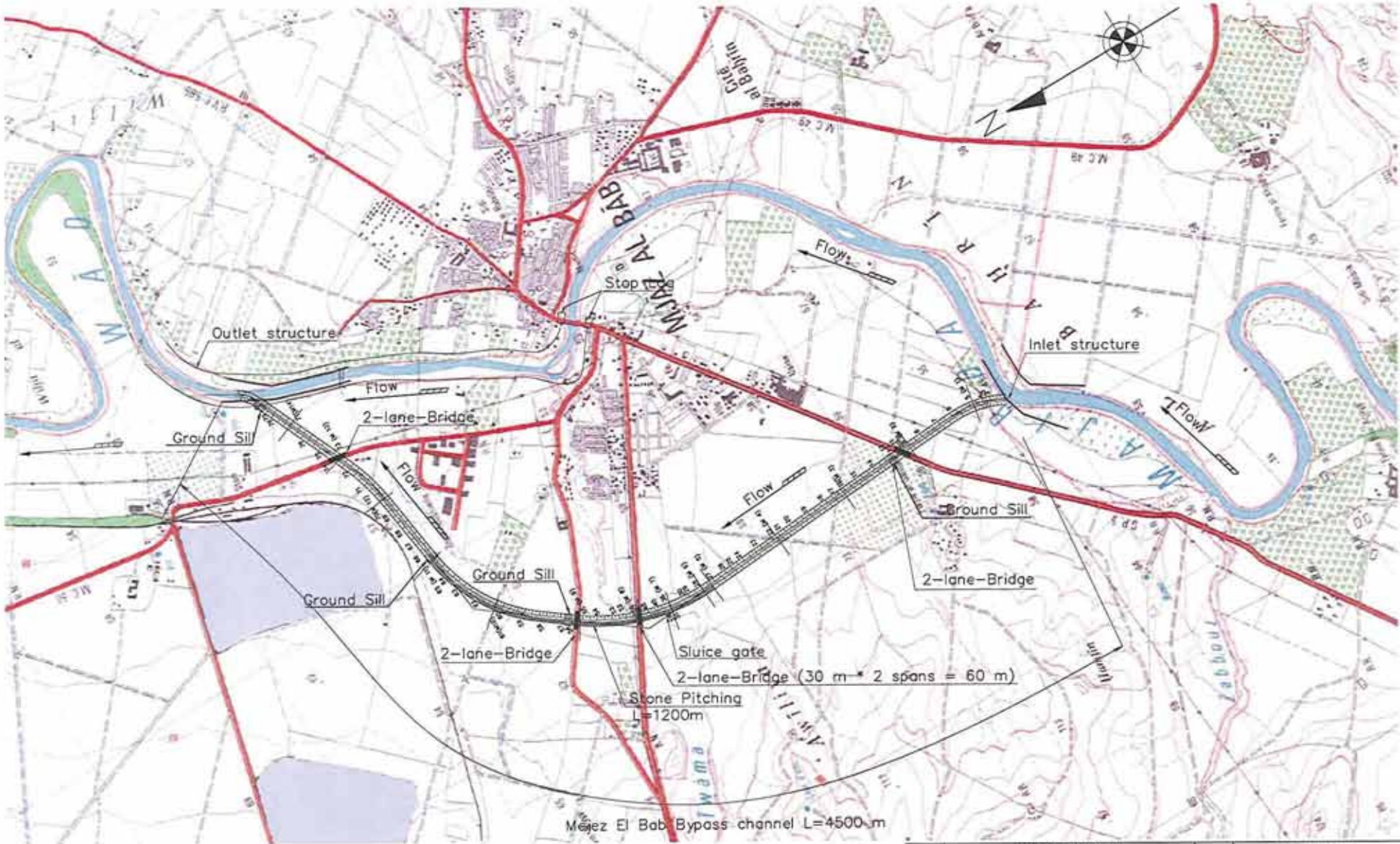
PROFILE OF OVERFLOW DIKE (SECTION Y-Y)



(SECTION Z-Z)

REPUBLIC OF TUNISIA MINISTRY OF AGRICULTURE AND WATER RESOURCES DEPARTMENT OF DAMS AND LARGE HYDRAULIC WORKS		JAPAN INTERNATIONAL COOPERATION AGENCY
THE STUDY ON INTEGRATED BASIN MANAGEMENT FOCUSED ON FLOOD CONTROL IN MEJERDA RIVER		
DRAWING TITLE EL MABTOUH RETARDING BASIN (ZONE 02) INLET STRUCTURE OF RETARDING BASIN - OVERFLOW DIKE WITH STOP LOG DETAILS OF OVERFLOW DIKE		SHEET NO. <b>E-35</b>
NIPPON KOEI Co., Ltd.		

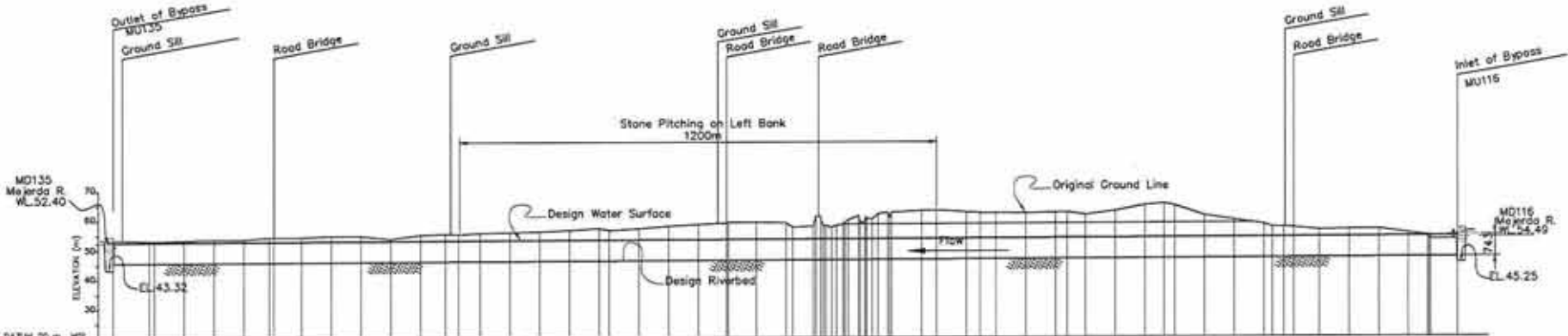
DE1-36



PLAN OF MEJEZ EL BAB BYPASS CHANNEL



REPUBLIC OF TUNISIA MINISTRY OF AGRICULTURE AND WATER RESOURCES DEPARTMENT OF DAMS AND LARGE HYDRAULIC WORKS		JAPAN INTERNATIONAL COOPERATION AGENCY
THE STUDY ON INTEGRATED BASIN MANAGEMENT FOCUSED ON FLOOD CONTROL IN MEJERDA RIVER		
DRAWING TITLE:	MEJEZ EL BAB BYPASS CHANNEL ( ZONE D1 ) PLAN	
NIPPON KOEI Co., Ltd.		SHEET NO. E-36



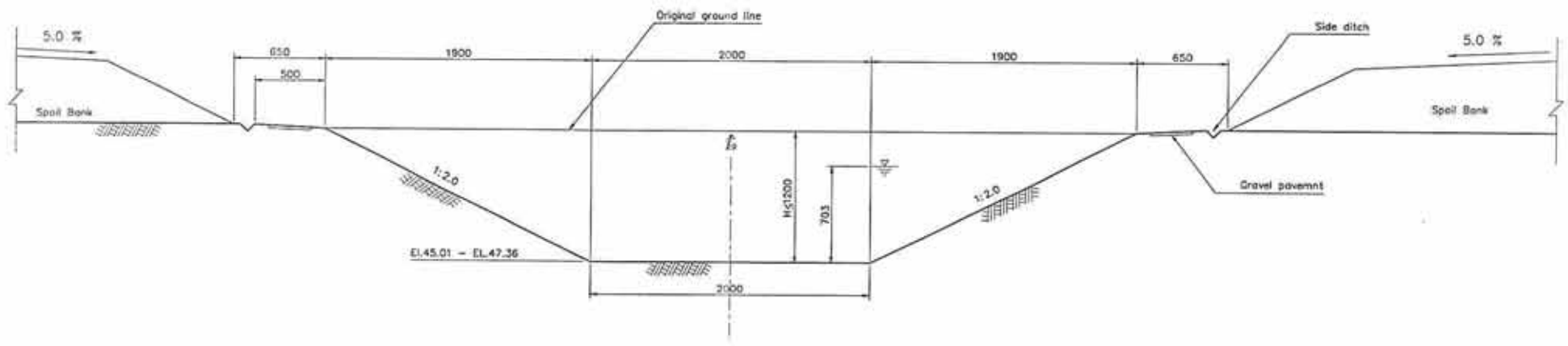
STATION No.	DISTANCE	ACCUMULATIVE DISTANCE	ORIGINAL GROUND ELEVATION	DESIGN WATER LEVEL	DESIGN RIVERBED ELEVATION	DESIGN RIVERBED SLOPE
00	0.00	0.00	53.37	52.53	52.54	0.00
78	100.00	100.00	52.82	52.82	52.82	1/3000
77	200.00	200.00	52.74	52.67	52.67	1/3000
76	300.00	300.00	52.74	52.70	52.67	1/3000
75	400.00	400.00	52.74	52.74	52.74	1/3000
74	500.00	500.00	52.74	52.74	52.74	1/3000
73	600.00	600.00	52.74	52.74	52.74	1/3000
72	700.00	700.00	52.74	52.74	52.74	1/3000
71	800.00	800.00	52.74	52.74	52.74	1/3000
70	900.00	900.00	52.74	52.74	52.74	1/3000
69	1000.00	1000.00	52.74	52.74	52.74	1/3000
68	1100.00	1100.00	52.74	52.74	52.74	1/3000
67	1200.00	1200.00	52.74	52.74	52.74	1/3000
66	1300.00	1300.00	52.74	52.74	52.74	1/3000
65	1400.00	1400.00	52.74	52.74	52.74	1/3000
64	1500.00	1500.00	52.74	52.74	52.74	1/3000
63	1600.00	1600.00	52.74	52.74	52.74	1/3000
62	1700.00	1700.00	52.74	52.74	52.74	1/3000
61	1800.00	1800.00	52.74	52.74	52.74	1/3000
60	1900.00	1900.00	52.74	52.74	52.74	1/3000
59	2000.00	2000.00	52.74	52.74	52.74	1/3000
58	2100.00	2100.00	52.74	52.74	52.74	1/3000
57	2200.00	2200.00	52.74	52.74	52.74	1/3000
56	2300.00	2300.00	52.74	52.74	52.74	1/3000
55	2400.00	2400.00	52.74	52.74	52.74	1/3000
54	2500.00	2500.00	52.74	52.74	52.74	1/3000
53	2600.00	2600.00	52.74	52.74	52.74	1/3000
52	2700.00	2700.00	52.74	52.74	52.74	1/3000
51	2800.00	2800.00	52.74	52.74	52.74	1/3000
50	2900.00	2900.00	52.74	52.74	52.74	1/3000
49	3000.00	3000.00	52.74	52.74	52.74	1/3000
48	3100.00	3100.00	52.74	52.74	52.74	1/3000
47	3200.00	3200.00	52.74	52.74	52.74	1/3000
46	3300.00	3300.00	52.74	52.74	52.74	1/3000
45	3400.00	3400.00	52.74	52.74	52.74	1/3000
44	3500.00	3500.00	52.74	52.74	52.74	1/3000
43	3600.00	3600.00	52.74	52.74	52.74	1/3000
42	3700.00	3700.00	52.74	52.74	52.74	1/3000
41	3800.00	3800.00	52.74	52.74	52.74	1/3000
40	3900.00	3900.00	52.74	52.74	52.74	1/3000
39	4000.00	4000.00	52.74	52.74	52.74	1/3000
38	4100.00	4100.00	52.74	52.74	52.74	1/3000
37	4200.00	4200.00	52.74	52.74	52.74	1/3000
36	4300.00	4300.00	52.74	52.74	52.74	1/3000
35	4400.00	4400.00	52.74	52.74	52.74	1/3000
34	4500.00	4500.00	52.74	52.74	52.74	1/3000
33	4600.00	4600.00	52.74	52.74	52.74	1/3000
32	4700.00	4700.00	52.74	52.74	52.74	1/3000
31	4800.00	4800.00	52.74	52.74	52.74	1/3000
30	4900.00	4900.00	52.74	52.74	52.74	1/3000
29	5000.00	5000.00	52.74	52.74	52.74	1/3000
28	5100.00	5100.00	52.74	52.74	52.74	1/3000
27	5200.00	5200.00	52.74	52.74	52.74	1/3000
26	5300.00	5300.00	52.74	52.74	52.74	1/3000
25	5400.00	5400.00	52.74	52.74	52.74	1/3000
24	5500.00	5500.00	52.74	52.74	52.74	1/3000
23	5600.00	5600.00	52.74	52.74	52.74	1/3000
22	5700.00	5700.00	52.74	52.74	52.74	1/3000
21	5800.00	5800.00	52.74	52.74	52.74	1/3000
20	5900.00	5900.00	52.74	52.74	52.74	1/3000
19	6000.00	6000.00	52.74	52.74	52.74	1/3000
18	6100.00	6100.00	52.74	52.74	52.74	1/3000
17	6200.00	6200.00	52.74	52.74	52.74	1/3000
16	6300.00	6300.00	52.74	52.74	52.74	1/3000
15	6400.00	6400.00	52.74	52.74	52.74	1/3000
14	6500.00	6500.00	52.74	52.74	52.74	1/3000
13	6600.00	6600.00	52.74	52.74	52.74	1/3000
12	6700.00	6700.00	52.74	52.74	52.74	1/3000
11	6800.00	6800.00	52.74	52.74	52.74	1/3000
10	6900.00	6900.00	52.74	52.74	52.74	1/3000
9	7000.00	7000.00	52.74	52.74	52.74	1/3000
8	7100.00	7100.00	52.74	52.74	52.74	1/3000
7	7200.00	7200.00	52.74	52.74	52.74	1/3000
6	7300.00	7300.00	52.74	52.74	52.74	1/3000
5	7400.00	7400.00	52.74	52.74	52.74	1/3000
4	7500.00	7500.00	52.74	52.74	52.74	1/3000
3	7600.00	7600.00	52.74	52.74	52.74	1/3000
2	7700.00	7700.00	52.74	52.74	52.74	1/3000
1	7800.00	7800.00	52.74	52.74	52.74	1/3000

PROFILE OF MEJEZ EL BAB BYPASS CHANNEL

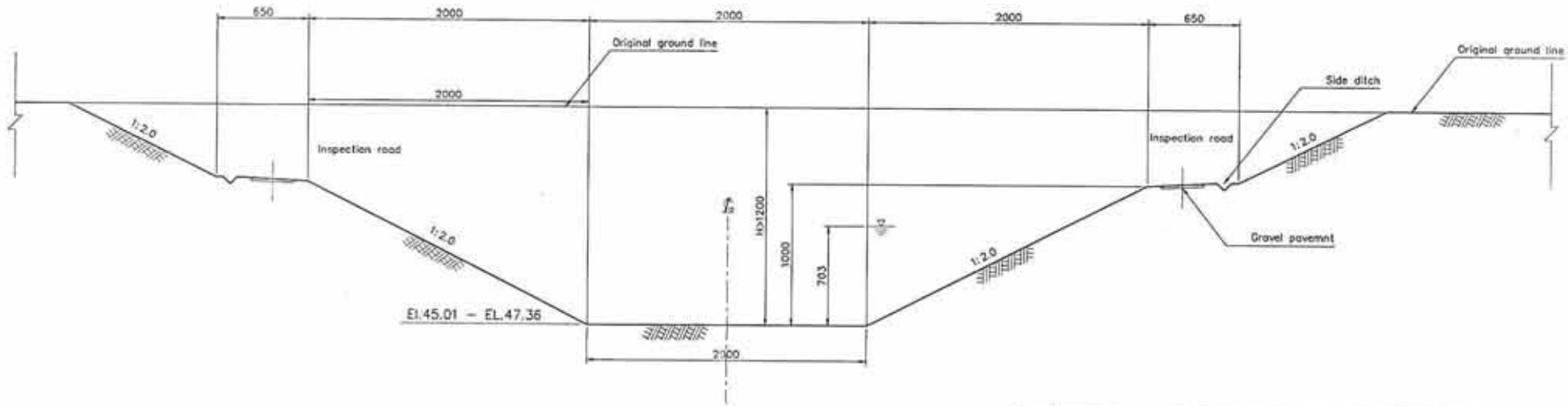


REPUBLIC OF TUNISIA MINISTRY OF AGRICULTURE AND WATER RESOURCES DEPARTMENT OF DAMS AND LARGE HYDRAULIC WORKS		JAPAN INTERNATIONAL COOPERATION AGENCY	
THE STUDY ON INTEGRATED BASIN MANAGEMENT FOCUSED ON FLOOD CONTROL IN MEJERDA RIVER			
DRAWING TITLE		SHEET NO.	
MEJEZ EL BAB BYPASS CHANNEL (ZONE D1) PROFILE		E-37	
NIPPON KOEI Co., Ltd.			

DE1-38



SECTION TYPE A ( $H \leq 12m$ )

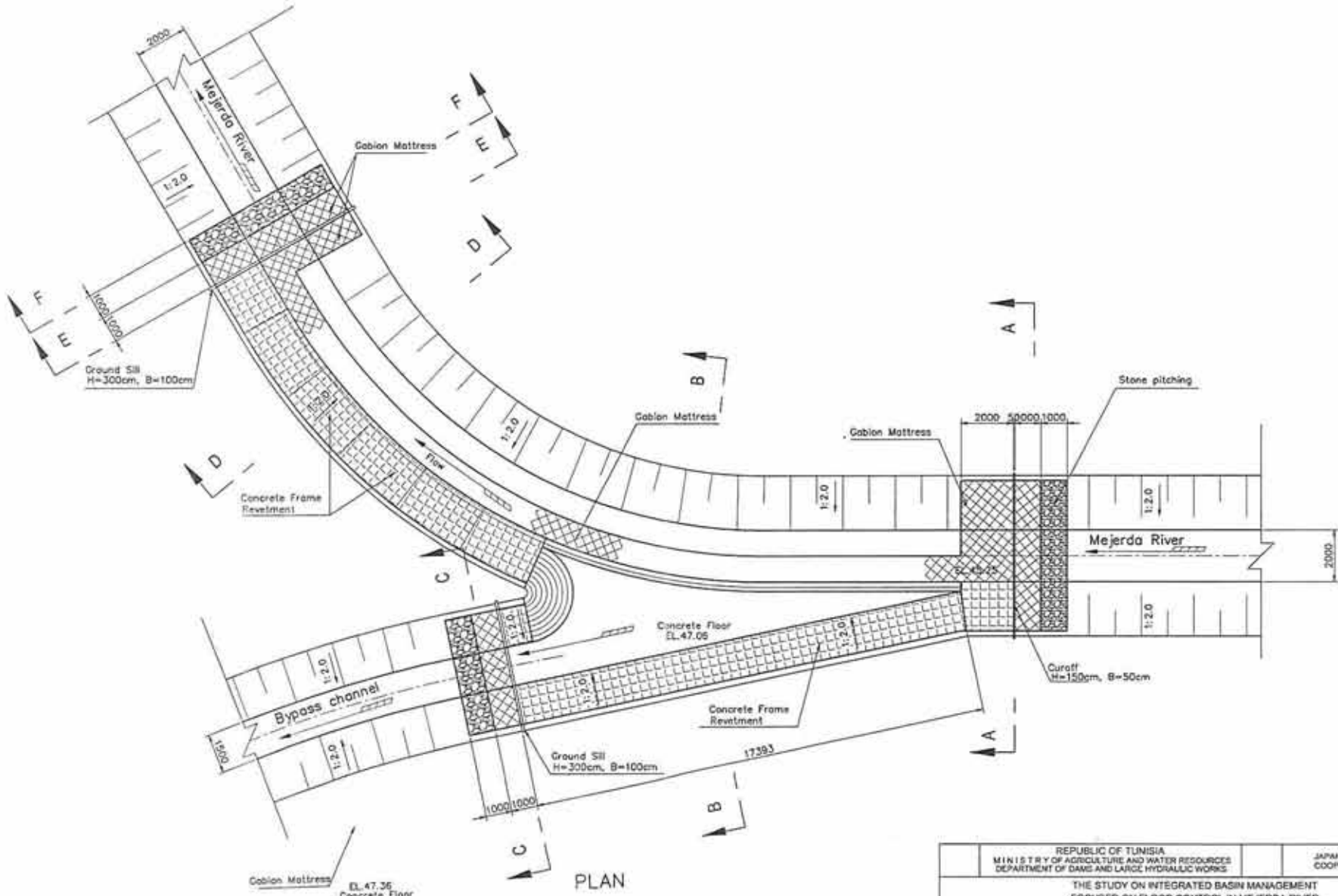


SECTION TYPE B ( $H > 12m$ )

REPUBLIC OF TUNISIA MINISTRY OF AGRICULTURE AND WATER RESOURCES DEPARTMENT OF DAMS AND LARGE HYDRAULIC WORKS		JAPAN INTERNATIONAL COOPERATION AGENCY
THE STUDY ON INTEGRATED BASIN MANAGEMENT FOCUSED ON FLOOD CONTROL IN MEJERDA RIVER		
DRAWING TITLE	MEJER EL BAB BYPASS CHANNEL (ZONE D1) TYPICAL SECTION OF BYPASS CHANNEL	SHEET NO. E-38
NIPPON KOEI Co., Ltd.		



DE1-39



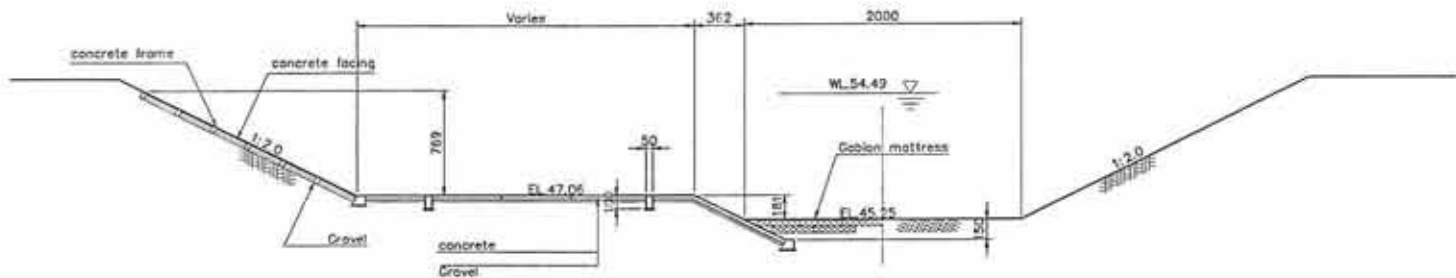
PLAN  
DIVERSION STRUCTURE FOR BYPASS CHANNEL

REPUBLIC OF TUNISIA MINISTRY OF AGRICULTURE AND WATER RESOURCES DEPARTMENT OF DAMS AND LARGE HYDRAULIC WORKS	JAPAN INTERNATIONAL COOPERATION AGENCY	
THE STUDY ON INTEGRATED BASIN MANAGEMENT FOCUSED ON FLOOD CONTROL IN MEJERDA RIVER		
DRAWING TITLE	MEJER EL BAB BYPASS CHANNEL ( ZONE D1 ) INLET STRUCTURE OF BYPASS CHANNEL	SHEET NO. <b>E-39</b>
NIPPON KOEI Co., Ltd.		

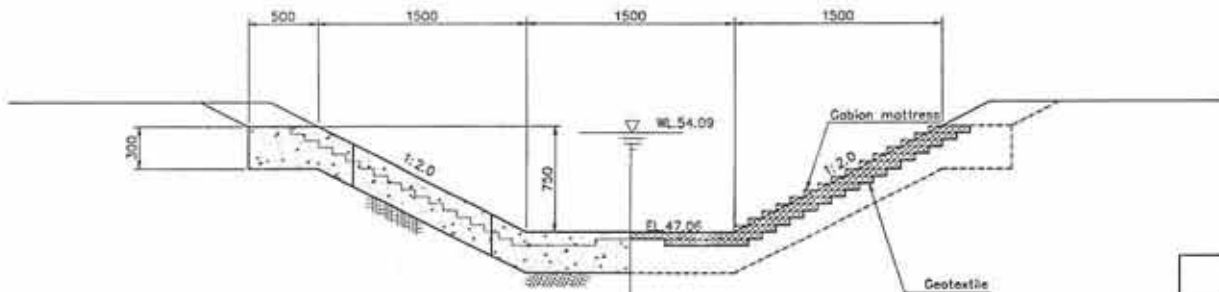
DE1-40



SECTION A-A



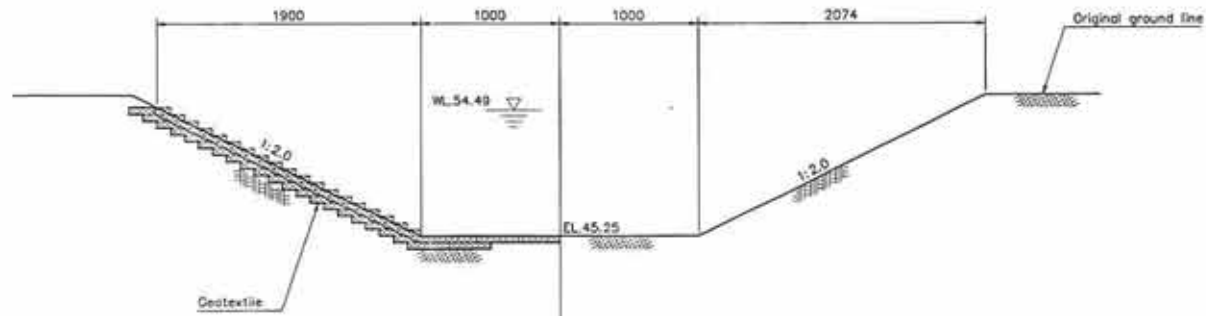
SECTION B-B



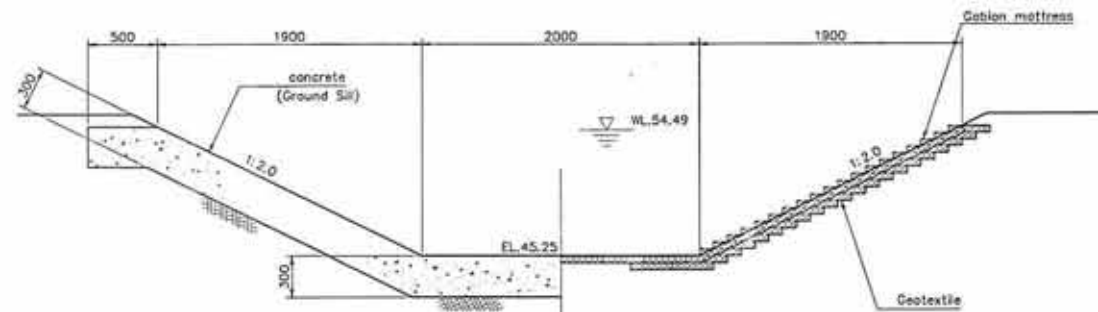
SECTION C-C



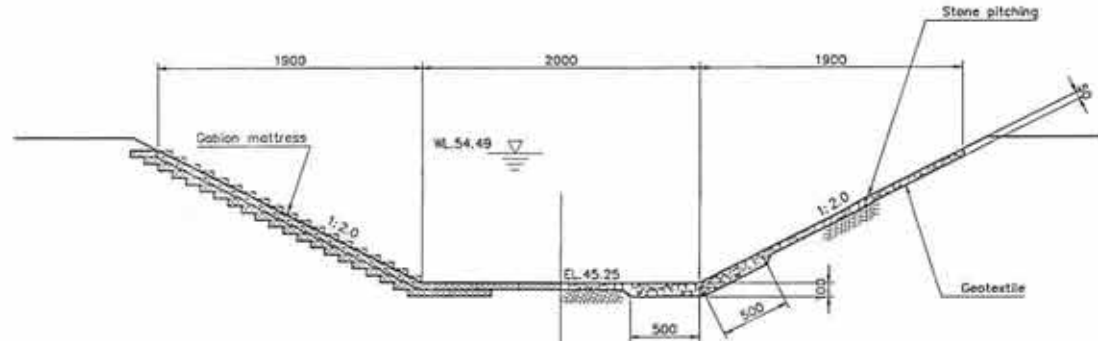
REPUBLIC OF TUNISIA MINISTRY OF AGRICULTURE AND WATER RESOURCES DEPARTMENT OF DAMS AND LARGE HYDRAULIC WORKS		JAPAN INTERNATIONAL COOPERATION AGENCY
THE STUDY ON INTEGRATED BASIN MANAGEMENT FOCUSED ON FLOOD CONTROL IN MEJERDA RIVER		
DRAWING TITLE	MEJER EL BAB BYPASS CHANNEL ( ZONE D1 ) SECTIONS OF INLET STRUCTURES (1/2)	SHEET NO. E-40
NIPPON KOEI Co., Ltd.		



SECTION D-D

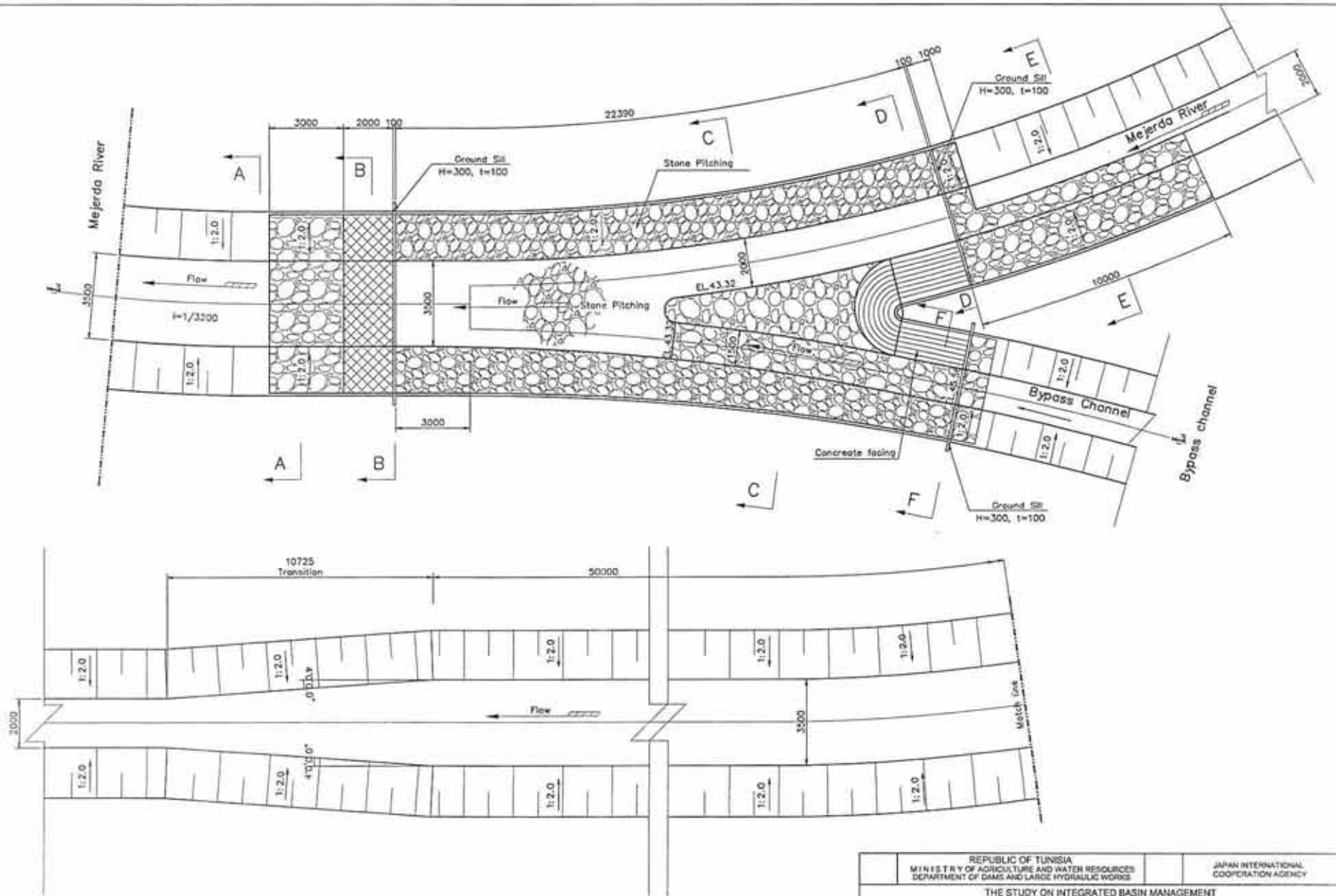


SECTION E-E



SECTION F-F

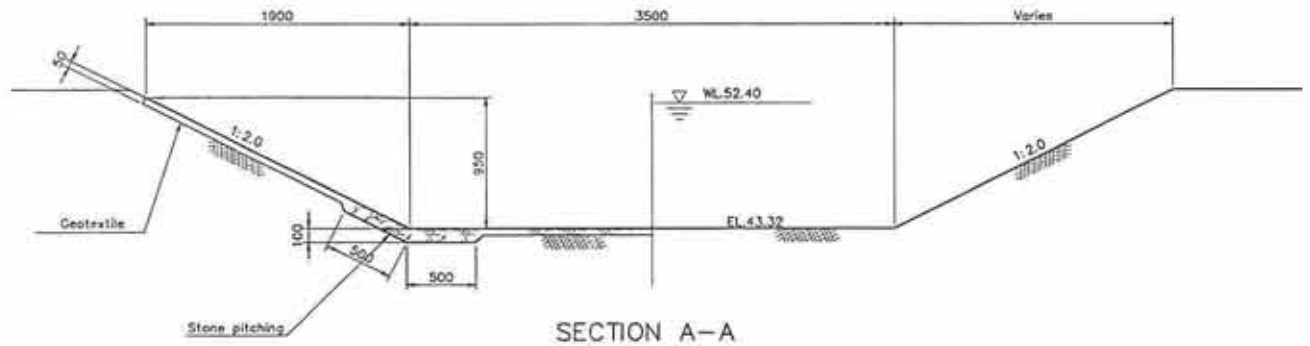
REPUBLIC OF TUNISIA MINISTRY OF AGRICULTURE AND WATER RESOURCES DEPARTMENT OF DAMS AND LARGE HYDRAULIC WORKS		JAPAN INTERNATIONAL COOPERATION AGENCY
THE STUDY ON INTEGRATED BASIN MANAGEMENT FOCUSED ON FLOOD CONTROL IN MEJERDA RIVER		
DRAWING TITLE:	MEJER EL BAB BYPASS CHANNEL ( ZONE D1 ) SECTIONS OF INLET STRUCTURES (2/2)	SHEET NO. E-41
NIPPON KOEI Co., Ltd.		



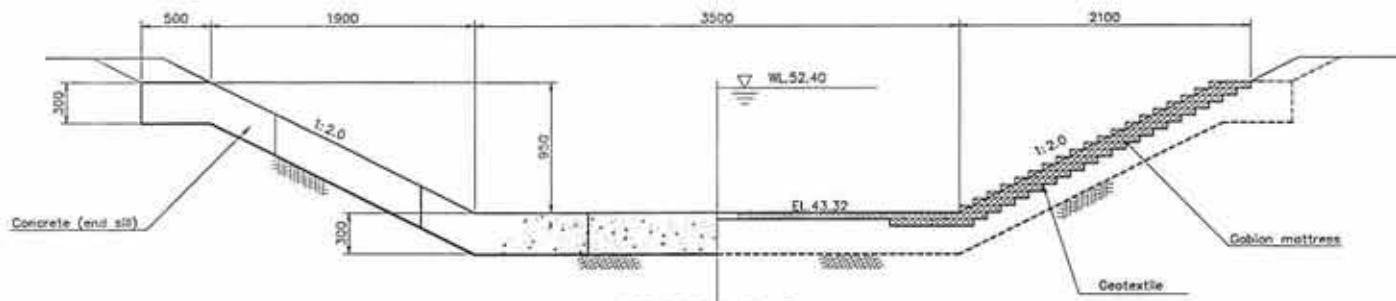
PLAN OF OUTLET STRUCTURE

REPUBLIC OF TUNISIA MINISTRY OF AGRICULTURE AND WATER RESOURCES DEPARTMENT OF DAMS AND LARGE HYDRAULIC WORKS		JAPAN INTERNATIONAL COOPERATION AGENCY
THE STUDY ON INTEGRATED BASIN MANAGEMENT FOCUSED ON FLOOD CONTROL IN MEJERDA RIVER		
DRAWING TITLE	MEJER EL BAB BYPASS CHANNEL ( ZONE 01 ) PLAN OF OUTLET STRUCTURE	SHEET NO. <b>E-42</b>
NIPPON KOEI Co., Ltd.		

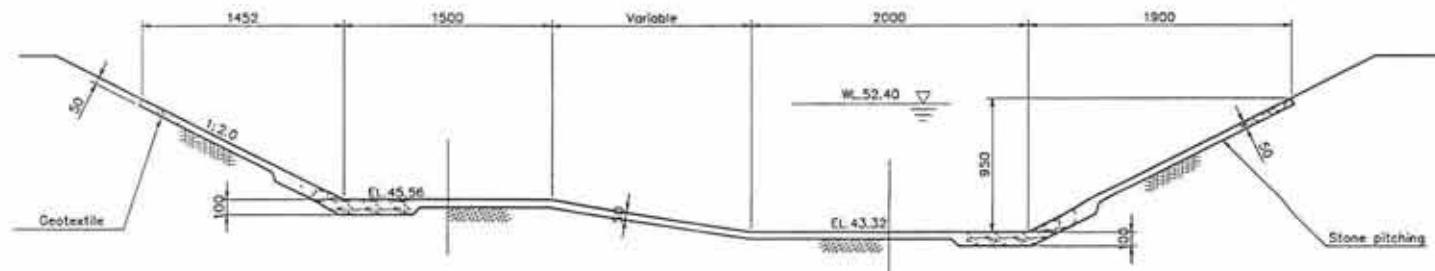
DE1-43



SECTION A-A



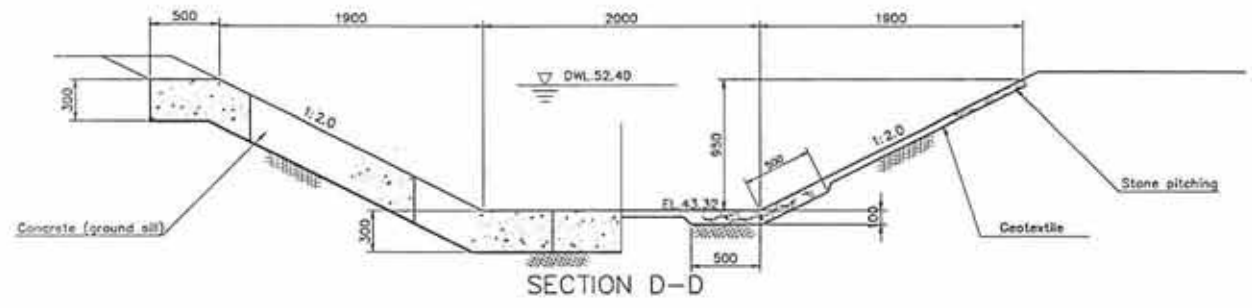
SECTION B-B



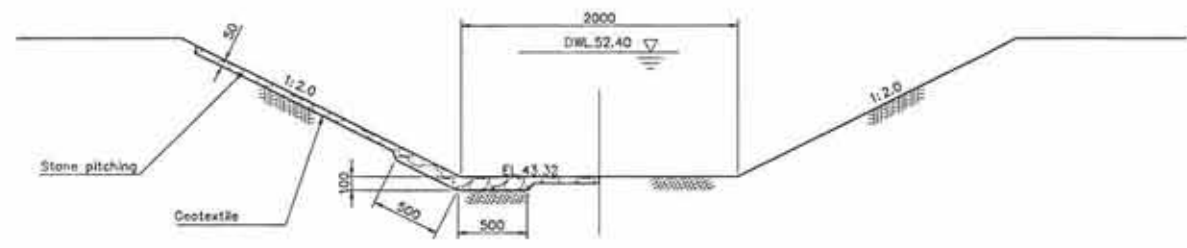
SECTION C-C

REPUBLIC OF TUNISIA MINISTRY OF AGRICULTURE AND WATER RESOURCES DEPARTMENT OF DAMS AND LARGE HYDRAULIC WORKS		JAPAN INTERNATIONAL COOPERATION AGENCY
THE STUDY ON INTEGRATED BASIN MANAGEMENT FOCUSED ON FLOOD CONTROL IN MEJERDA RIVER		
DRAWING TITLE	MEJEZ EL BAB BYPASS CHANNEL ( ZONE D1 ) SECTIONS OF OUTLET STRUCTURE (1/2)	SHEET NO. <b>E-43</b>
NIPPON KOEI Co., Ltd.		

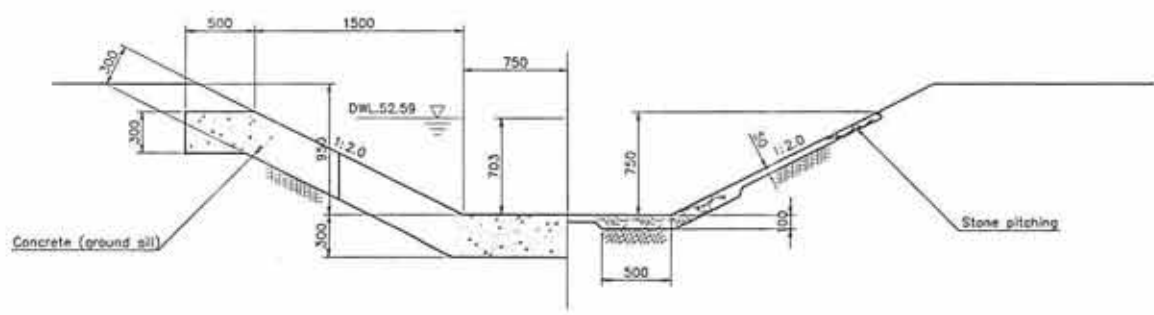
DE1-44



SECTION D-D



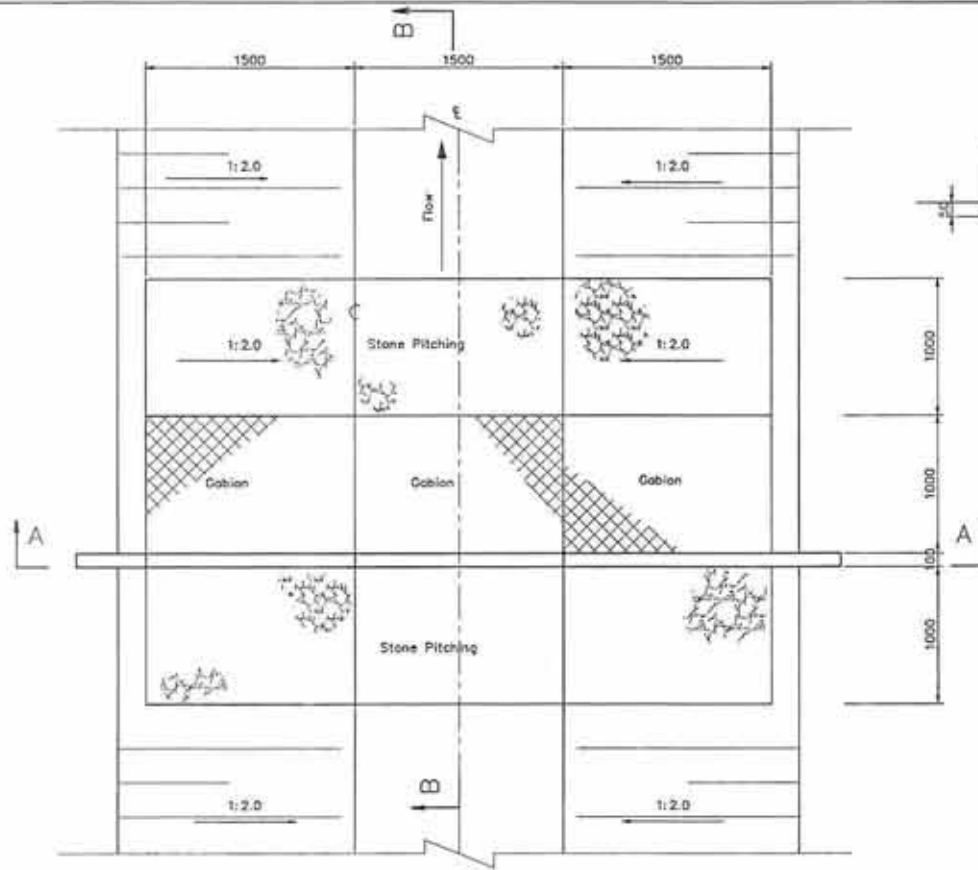
SECTION E-E



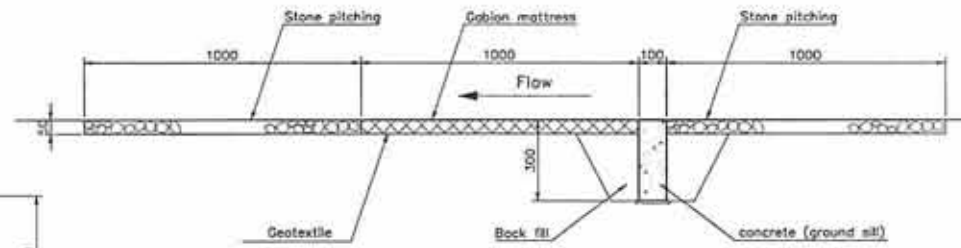
SECTION F-F

REPUBLIC OF TUNISIA MINISTRY OF AGRICULTURE AND WATER RESOURCES DEPARTMENT OF DAMS AND LARGE HYDRAULIC WORKS		JAPAN INTERNATIONAL COOPERATION AGENCY
THE STUDY ON INTEGRATED BASIN MANAGEMENT FOCUSED ON FLOOD CONTROL IN MEJERDA RIVER		
DRAWING TITLE	MEJER EL BAB BYPASS CHANNEL ( ZONE 01 ) SECTIONS OF OUTLET STRUCTURES (2/2)	SHEET NO. <b>E-44</b>
NIPPON KOEI Co., Ltd.		

DE1-45



PLAN OF GROUND SILL



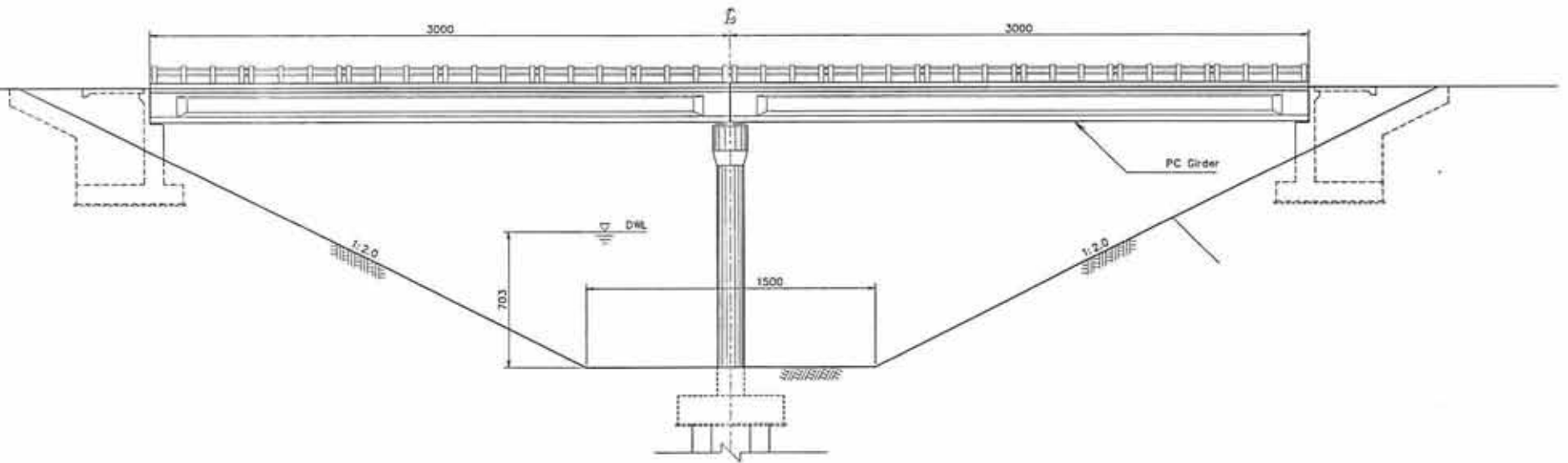
SECTION B-B



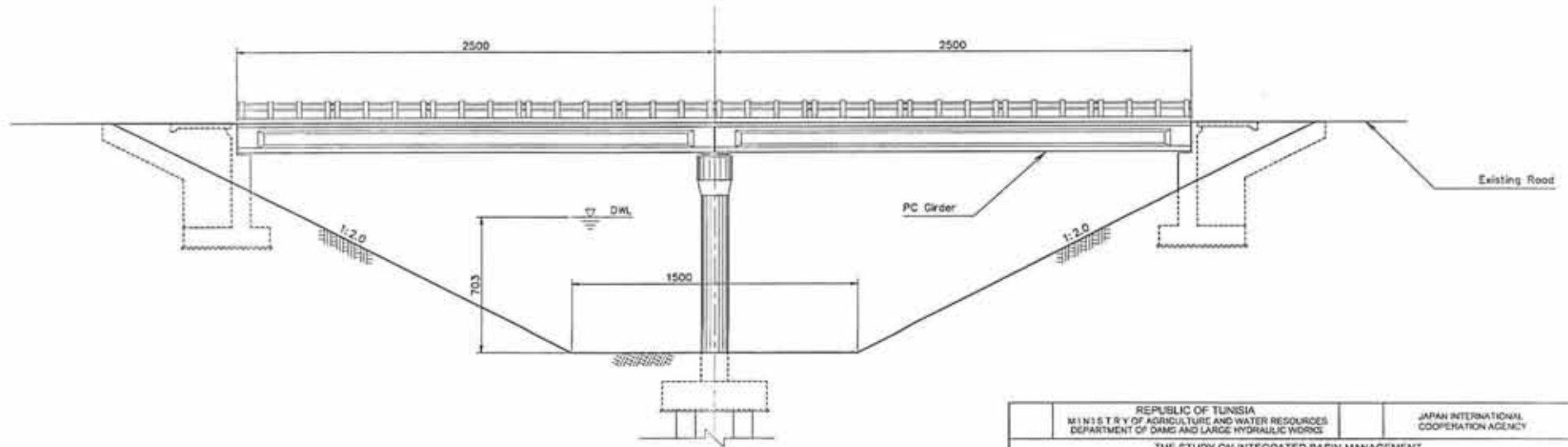
SECTION OF GROUND SILL SECTION (A-A)

REPUBLIC OF TUNISIA MINISTRY OF AGRICULTURE AND WATER RESOURCES DEPARTMENT OF DAMS AND LARGE HYDRAULIC WORKS		JAPAN INTERNATIONAL COOPERATION AGENCY
THE STUDY ON INTEGRATED BASIN MANAGEMENT FOCUSED ON FLOOD CONTROL IN MEJERDA RIVER		
DRAWING TITLE	MEJER EL BAB BYPASS CHANNEL ( ZONE D1 ) TYPICAL DESIGN OF GROUND SILL	SHEET NO. <b>E-45</b>
NIPPON KOEI Co., Ltd.		

DE1-46



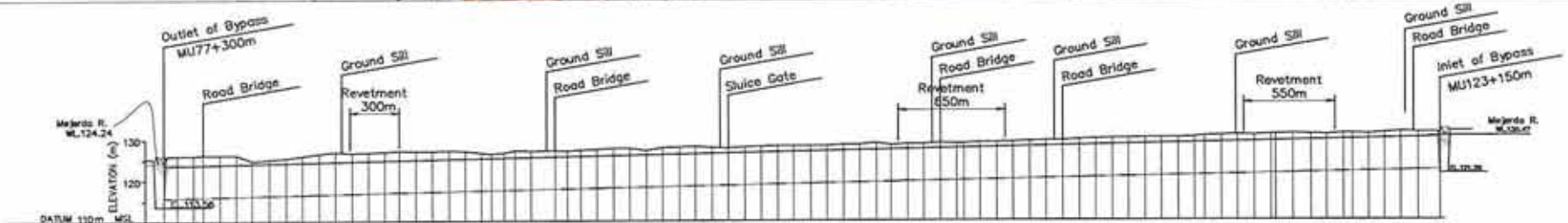
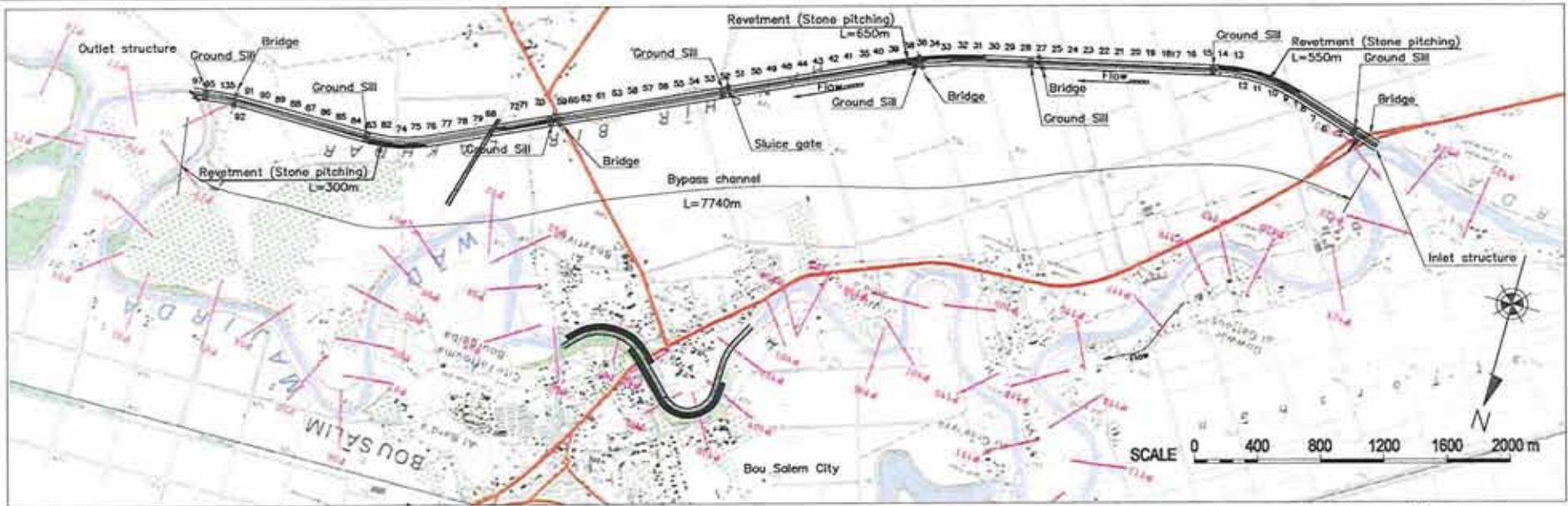
BRIDGE L=30m x 2=60m



BRIDGE L=25m x 2=50m

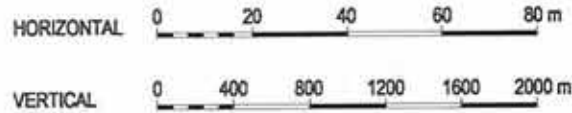
REPUBLIC OF TUNISIA MINISTRY OF AGRICULTURE AND WATER RESOURCES DEPARTMENT OF DAMS AND LARGE HYDRAULIC WORKS		JAPAN INTERNATIONAL COOPERATION AGENCY
THE STUDY ON INTEGRATED BASIN MANAGEMENT FOCUSED ON FLOOD CONTROL IN MEJERDA RIVER		
DRAWING TITLE	MEJEZ EL BAB BYPASS CHANNEL ( ZONE D1 ) TYPICAL DESIGN OF BRIDGES	SHEET NO. E-46
NIPPON KOEI Co., Ltd.		





DESIGN RIVERBED SLOPE	DESIGN RIVERBED ELEVATION	DESIGN WATER LEVEL	ORIGINAL GROUND ELEVATION	ACCUMULATIVE DISTANCE	DISTANCE	STATION No.
1/1200	125.81	125.81	125.81	0.00	0.00	1
1/1200	125.81	125.81	125.81	0.00	0.00	2
1/1200	125.81	125.81	125.81	0.00	0.00	3
1/1200	125.81	125.81	125.81	0.00	0.00	4
1/1200	125.81	125.81	125.81	0.00	0.00	5
1/1200	125.81	125.81	125.81	0.00	0.00	6
1/1200	125.81	125.81	125.81	0.00	0.00	7
1/1200	125.81	125.81	125.81	0.00	0.00	8
1/1200	125.81	125.81	125.81	0.00	0.00	9
1/1200	125.81	125.81	125.81	0.00	0.00	10
1/1200	125.81	125.81	125.81	0.00	0.00	11
1/1200	125.81	125.81	125.81	0.00	0.00	12
1/1200	125.81	125.81	125.81	0.00	0.00	13
1/1200	125.81	125.81	125.81	0.00	0.00	14
1/1200	125.81	125.81	125.81	0.00	0.00	15
1/1200	125.81	125.81	125.81	0.00	0.00	16
1/1200	125.81	125.81	125.81	0.00	0.00	17
1/1200	125.81	125.81	125.81	0.00	0.00	18
1/1200	125.81	125.81	125.81	0.00	0.00	19
1/1200	125.81	125.81	125.81	0.00	0.00	20
1/1200	125.81	125.81	125.81	0.00	0.00	21
1/1200	125.81	125.81	125.81	0.00	0.00	22
1/1200	125.81	125.81	125.81	0.00	0.00	23
1/1200	125.81	125.81	125.81	0.00	0.00	24
1/1200	125.81	125.81	125.81	0.00	0.00	25
1/1200	125.81	125.81	125.81	0.00	0.00	26
1/1200	125.81	125.81	125.81	0.00	0.00	27
1/1200	125.81	125.81	125.81	0.00	0.00	28
1/1200	125.81	125.81	125.81	0.00	0.00	29
1/1200	125.81	125.81	125.81	0.00	0.00	30
1/1200	125.81	125.81	125.81	0.00	0.00	31
1/1200	125.81	125.81	125.81	0.00	0.00	32
1/1200	125.81	125.81	125.81	0.00	0.00	33
1/1200	125.81	125.81	125.81	0.00	0.00	34
1/1200	125.81	125.81	125.81	0.00	0.00	35
1/1200	125.81	125.81	125.81	0.00	0.00	36
1/1200	125.81	125.81	125.81	0.00	0.00	37
1/1200	125.81	125.81	125.81	0.00	0.00	38
1/1200	125.81	125.81	125.81	0.00	0.00	39
1/1200	125.81	125.81	125.81	0.00	0.00	40
1/1200	125.81	125.81	125.81	0.00	0.00	41
1/1200	125.81	125.81	125.81	0.00	0.00	42
1/1200	125.81	125.81	125.81	0.00	0.00	43
1/1200	125.81	125.81	125.81	0.00	0.00	44
1/1200	125.81	125.81	125.81	0.00	0.00	45
1/1200	125.81	125.81	125.81	0.00	0.00	46
1/1200	125.81	125.81	125.81	0.00	0.00	47
1/1200	125.81	125.81	125.81	0.00	0.00	48
1/1200	125.81	125.81	125.81	0.00	0.00	49
1/1200	125.81	125.81	125.81	0.00	0.00	50
1/1200	125.81	125.81	125.81	0.00	0.00	51
1/1200	125.81	125.81	125.81	0.00	0.00	52
1/1200	125.81	125.81	125.81	0.00	0.00	53
1/1200	125.81	125.81	125.81	0.00	0.00	54
1/1200	125.81	125.81	125.81	0.00	0.00	55
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1/1200	125.81	125.81	125.81	0.00	0.00	57
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1/1200	125.81	125.81	125.81	0.00	0.00	60
1/1200	125.81	125.81	125.81	0.00	0.00	61
1/1200	125.81	125.81	125.81	0.00	0.00	62
1/1200	125.81	125.81	125.81	0.00	0.00	63
1/1200	125.81	125.81	125.81	0.00	0.00	64
1/1200	125.81	125.81	125.81	0.00	0.00	65
1/1200	125.81	125.81	125.81	0.00	0.00	66
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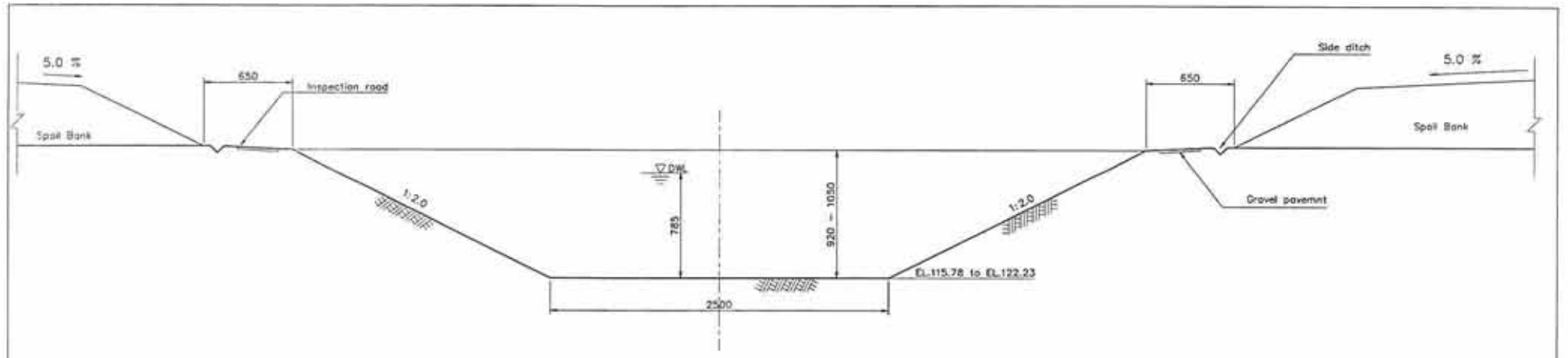
PROFILE OF BOU SALEM BYPASS CHANNEL



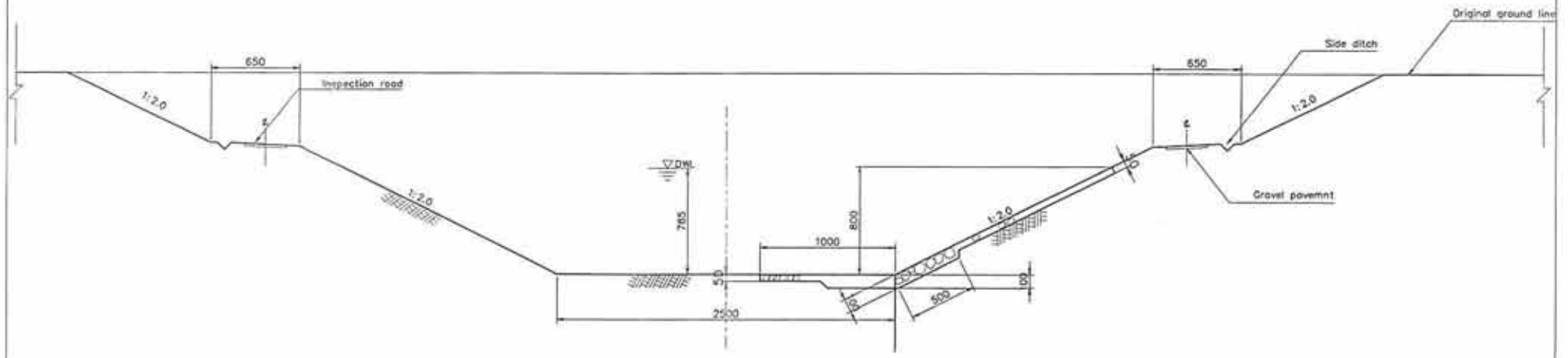
REPUBLIC OF TUNISIA MINISTRY OF AGRICULTURE AND WATER RESOURCES DEPARTMENT OF DAMS AND LARGE HYDRAULIC WORKS		JAPAN INTERNATIONAL COOPERATION AGENCY
THE STUDY ON INTEGRATED BASIN MANAGEMENT FOCUSED ON FLOOD CONTROL IN MEJERDA RIVER		
DRAWING TITLE	BOUSALEM BYPASS CHANNEL ( ZONE U2 ) PLAN AND PROFILE	SHEET NO. E-47
NIPPON KOEI Co., Ltd.		

DE1-47

DE1-48



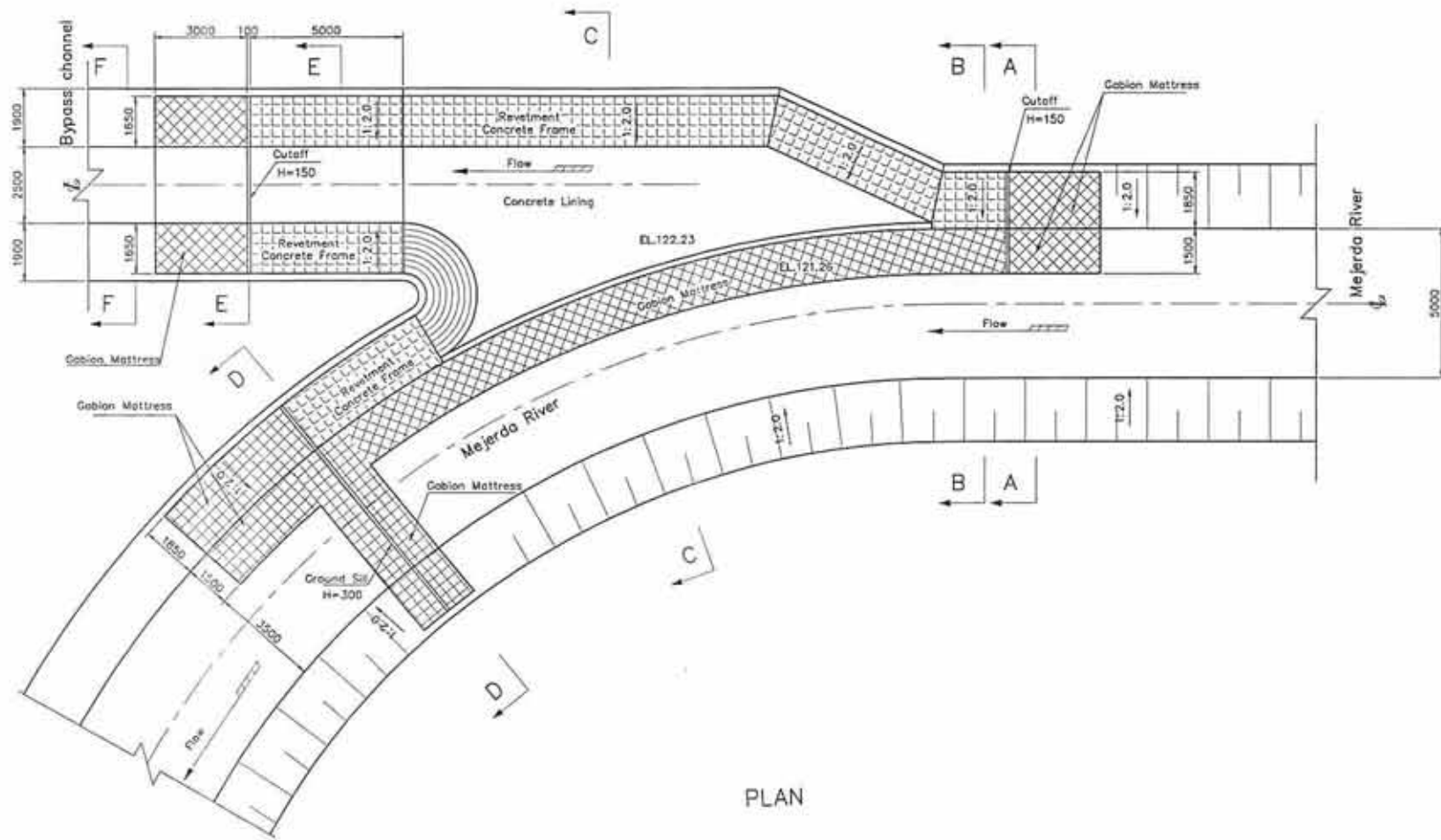
TYPICAL SECTION OF BYPASS CHANNEL  
(Q=700m<sup>3</sup>/s)



TYPICAL SECTION OF REVETMENT  
(STONE PITCHING)

SCALE 0 400 800 1200 1600 2000 cm

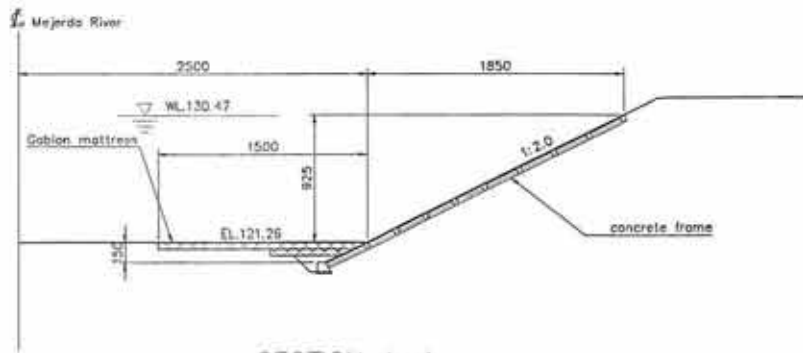
REPUBLIC OF TUNISIA MINISTRY OF AGRICULTURE AND WATER RESOURCES DEPARTMENT OF DAMS AND LARGE HYDRAULIC WORKS		JAPAN INTERNATIONAL COOPERATION AGENCY
THE STUDY ON INTEGRATED BASIN MANAGEMENT FOCUSED ON FLOOD CONTROL IN MEJERDA RIVER		
DRAWING TITLE	BOUSALEM BYPASS CHANNEL ( ZONE U2 ) TYPICAL SECTION OF BYPASS CHANNEL	SHEET NO. E-48
NIPPON KOEI Co., Ltd.		



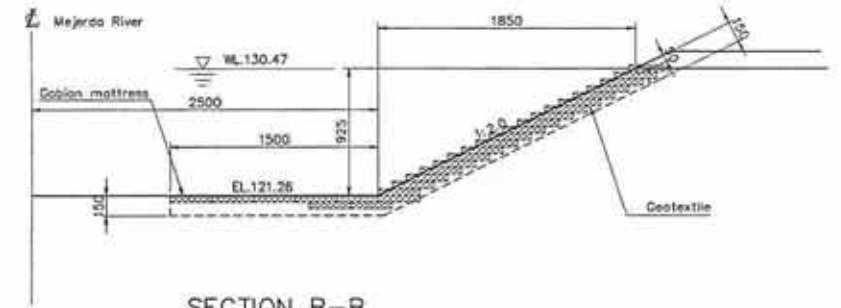
PLAN

REPUBLIC OF TUNISIA MINISTRY OF AGRICULTURE AND WATER RESOURCES DEPARTMENT OF DAMS AND LARGE HYDRAULIC WORKS		JAPAN INTERNATIONAL COOPERATION AGENCY
THE STUDY ON INTEGRATED BASIN MANAGEMENT FOCUSED ON FLOOD CONTROL IN MEJERDA RIVER		
DRAWING TITLE	BOUSALEM BYPASS CHANNEL ( ZONE U2 ) INLET STRUCTURE PLAN	SHEET NO. E-49
NIPPON KOEI Co., Ltd.		

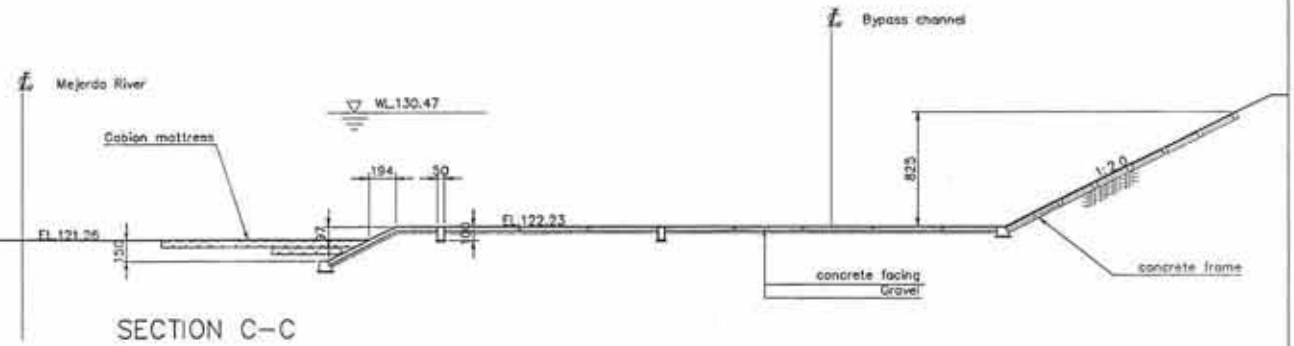
DE1-50



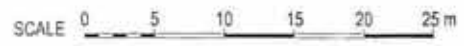
SECTION A-A



SECTION B-B

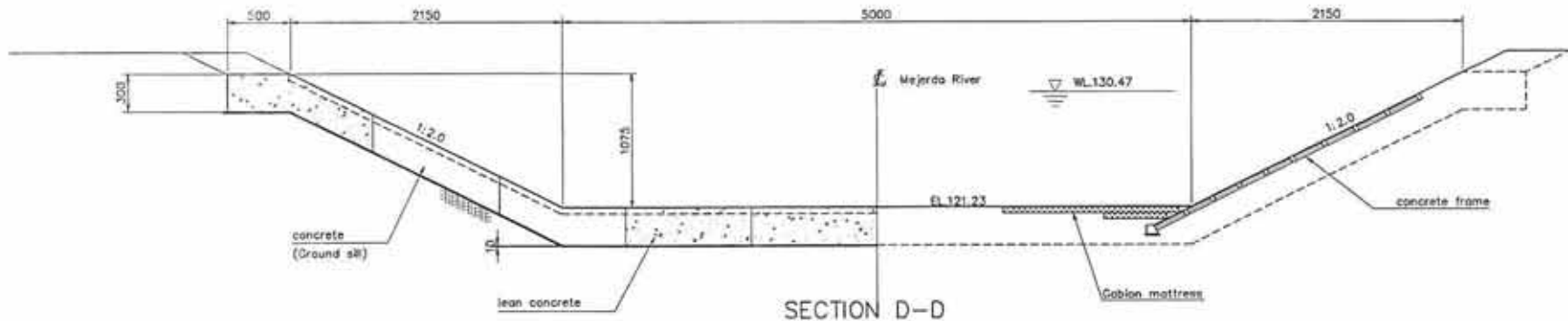


SECTION C-C



REPUBLIC OF TUNISIA MINISTRY OF AGRICULTURE AND WATER RESOURCES DEPARTMENT OF DAMS AND LARGE HYDRAULIC WORKS		JAPAN INTERNATIONAL COOPERATION AGENCY
THE STUDY ON INTEGRATED BASIN MANAGEMENT FOCUSED ON FLOOD CONTROL IN MEJERDA RIVER		
DRAWING TITLE	BOUSALEM BYPASS CHANNEL ( ZONE U2 ) SECTION OF INLET STRUCTURE (1/2)	SHEET NO. E-50
NIPPON KOEI Co., Ltd.		

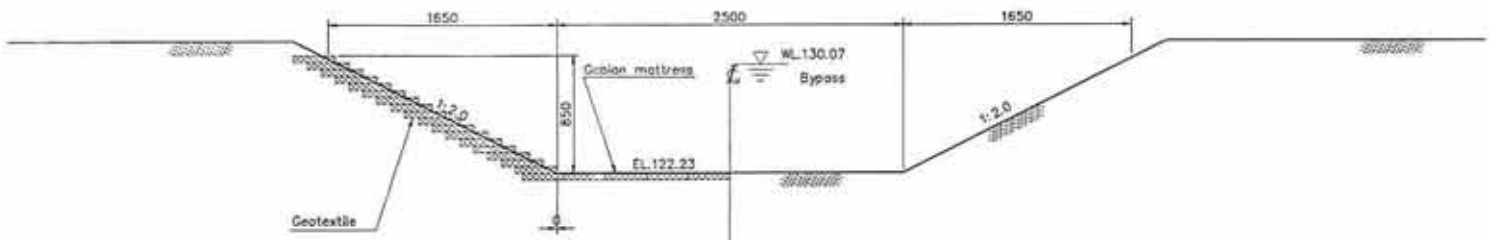
DE1-51



SECTION D-D



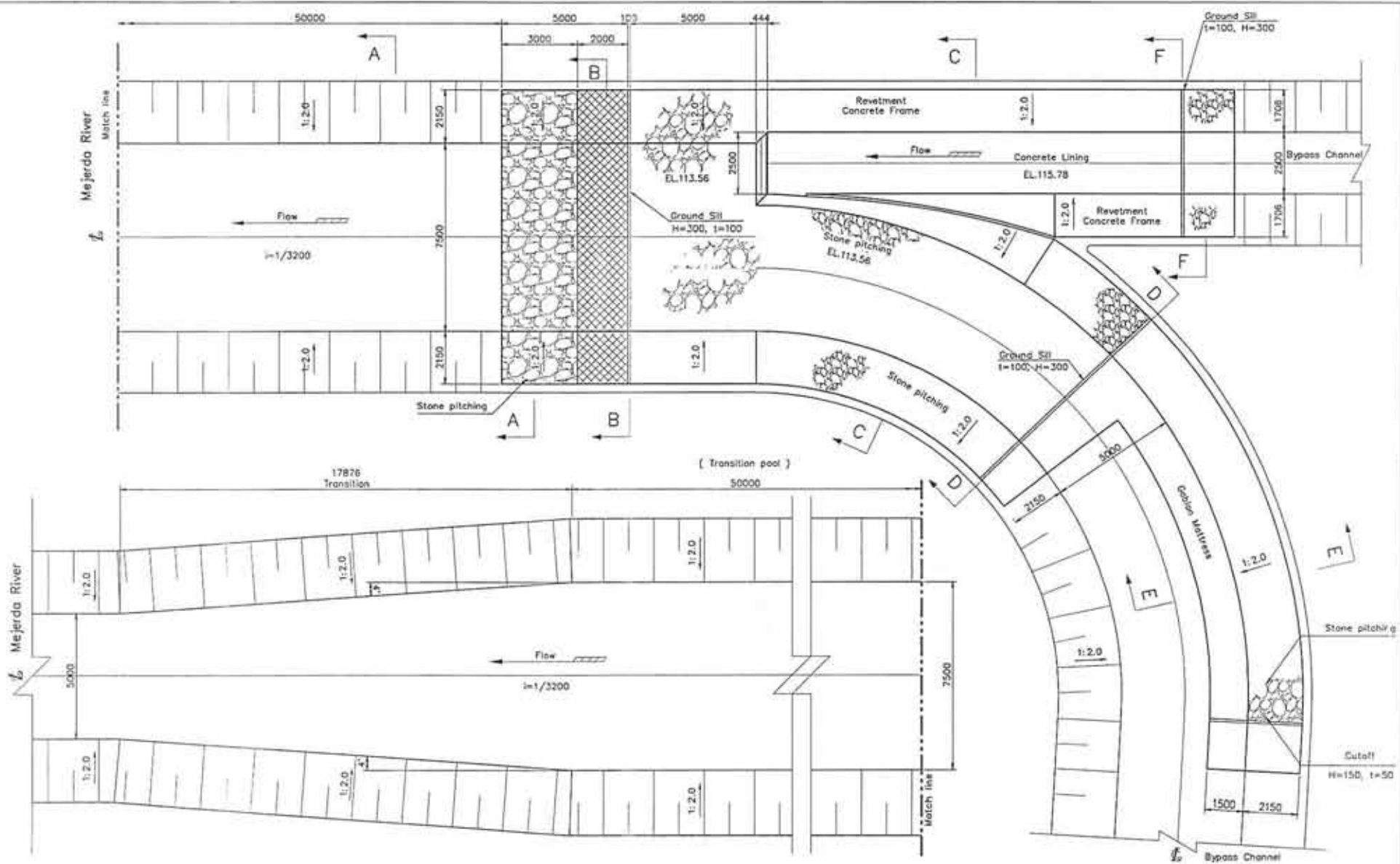
SECTION E-E



SECTION F-F



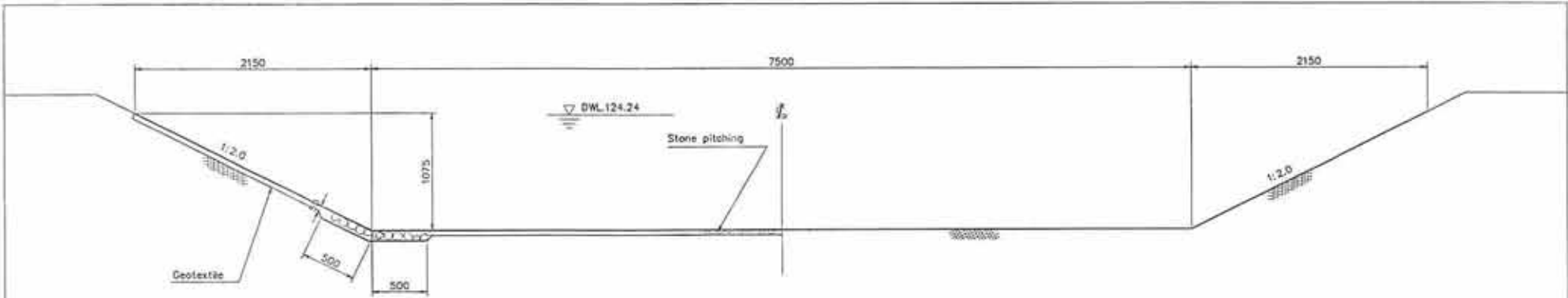
REPUBLIC OF TUNISIA MINISTRY OF AGRICULTURE AND WATER RESOURCES DEPARTMENT OF DAMS AND LARGE HYDRAULIC WORKS		JAPAN INTERNATIONAL COOPERATION AGENCY
THE STUDY ON INTEGRATED BASIN MANAGEMENT FOCUSED ON FLOOD CONTROL IN MEJERDA RIVER		
DRAWING TITLE	BOUSALEM BYPASS CHANNEL ( ZONE U2 ) SECTION OF INLET STRUCTURE (2/2)	SHEET NO. E-51
NIPPON KOEI Co., Ltd.		



PLAN

REPUBLIC OF TUNISIA MINISTRY OF AGRICULTURE AND WATER RESOURCES DEPARTMENT OF DAMS AND LARGE HYDRAULIC WORKS		JAPAN INTERNATIONAL COOPERATION AGENCY
THE STUDY ON INTEGRATED BASIN MANAGEMENT FOCUSED ON FLOOD CONTROL IN MEJERDA RIVER		
DRAWING TITLE	BOUSALEM BYPASS CHANNEL ( ZONE U2 ) OUTLET STRUCTURE PLAN	SHEET NO. E-52
NIPPON KOEI Co., Ltd.		

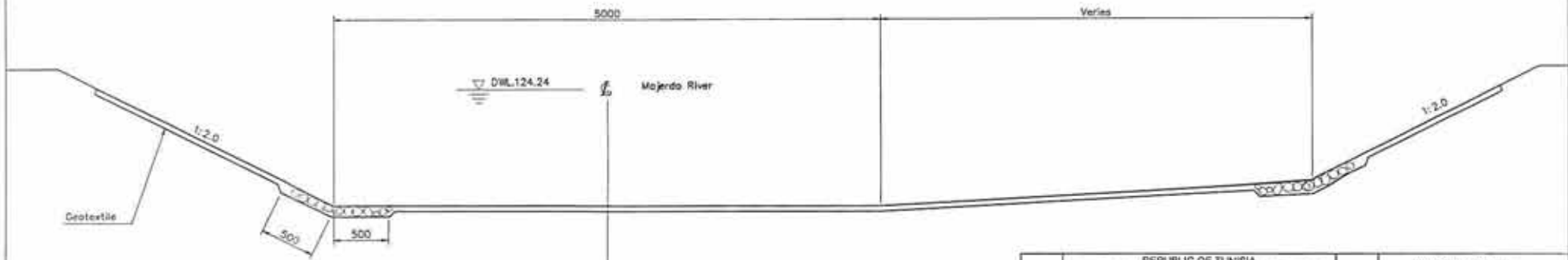
DE1-53



SECTION A-A



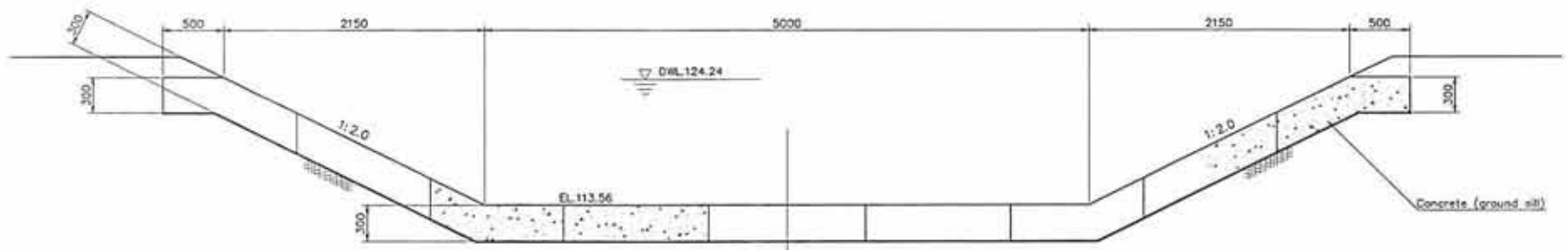
SECTION B-B



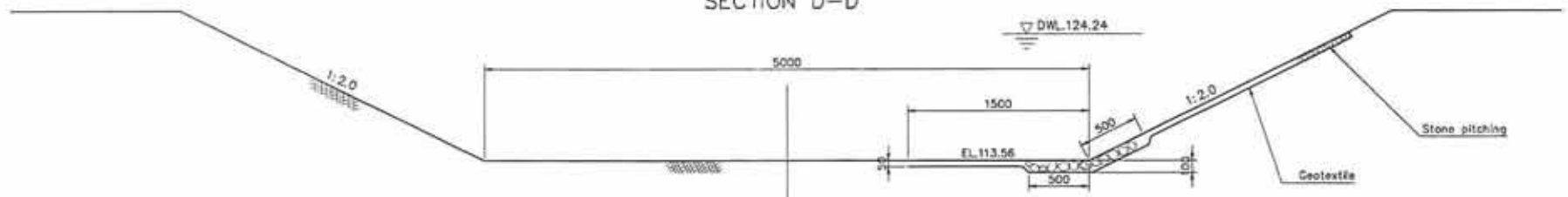
SECTION C-C

REPUBLIC OF TUNISIA MINISTRY OF AGRICULTURE AND WATER RESOURCES DEPARTMENT OF DAMS AND LARGE HYDRAULIC WORKS		JAPAN INTERNATIONAL COOPERATION AGENCY
THE STUDY ON INTEGRATED BASIN MANAGEMENT FOCUSED ON FLOOD CONTROL IN MEJERDA RIVER		
DRAWING TITLE	BOUSALEM BYPASS CHANNEL (ZONE U2) OUTLET STRUCTURE CROSS SECTION (1/2)	SHEET NO E-53
NIPPON KOEI Co., Ltd.		

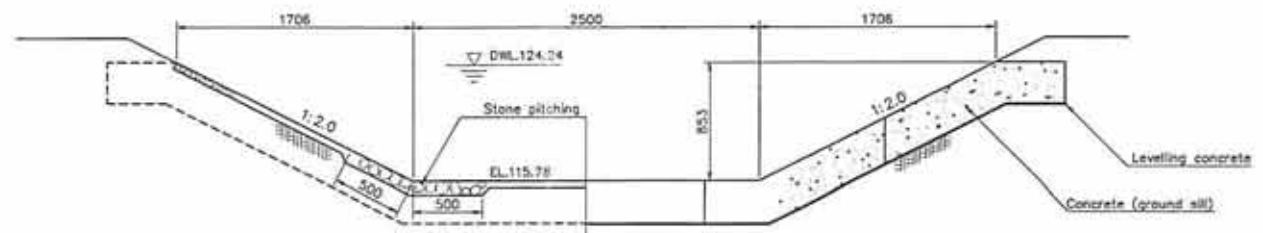
DE1-54



SECTION D-D



SECTION E-E

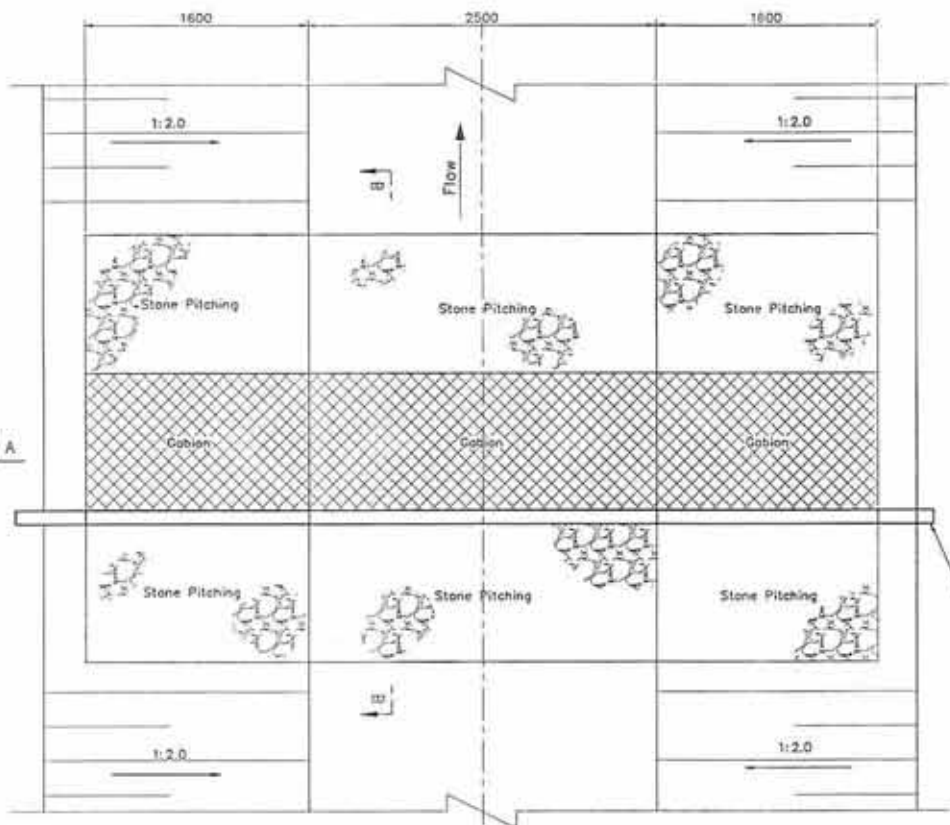


SECTION F-F

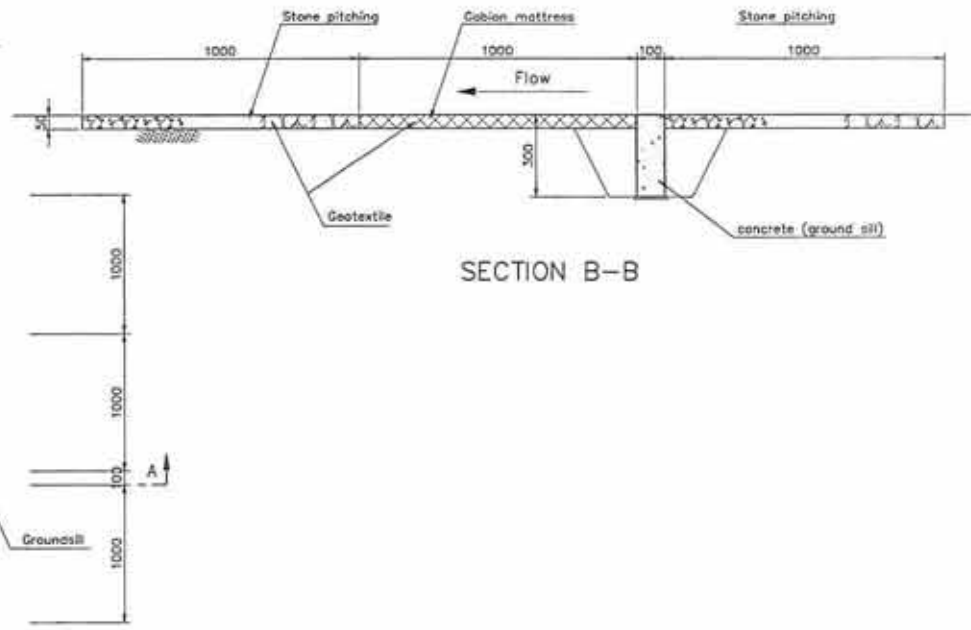
REPUBLIC OF TUNISIA MINISTRY OF AGRICULTURE AND WATER RESOURCES DEPARTMENT OF DAMS AND LARGE HYDRAULIC WORKS		JAPAN INTERNATIONAL COOPERATION AGENCY
THE STUDY ON INTEGRATED BASIN MANAGEMENT FOCUSED ON FLOOD CONTROL IN MEJERDA RIVER		
DRAWING TITLE	BOUSALEM BYPASS CHANNEL ( ZONE U2 ) OUTLET STRUCTURE CROSS SECTION (2/2)	SHEET NO. <b>E-54</b>
NIPPON KOEI Co., Ltd.		



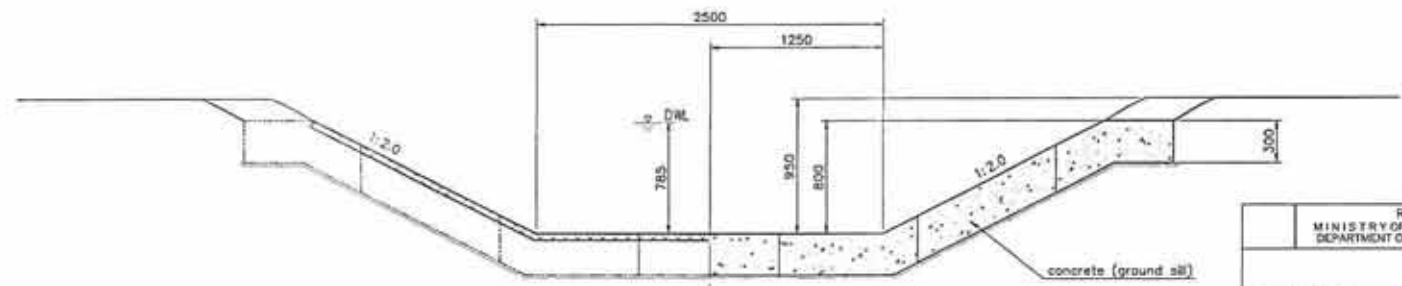
DE1-55



PLAN OF GROUND SILL ON BYPASS CHANNEL



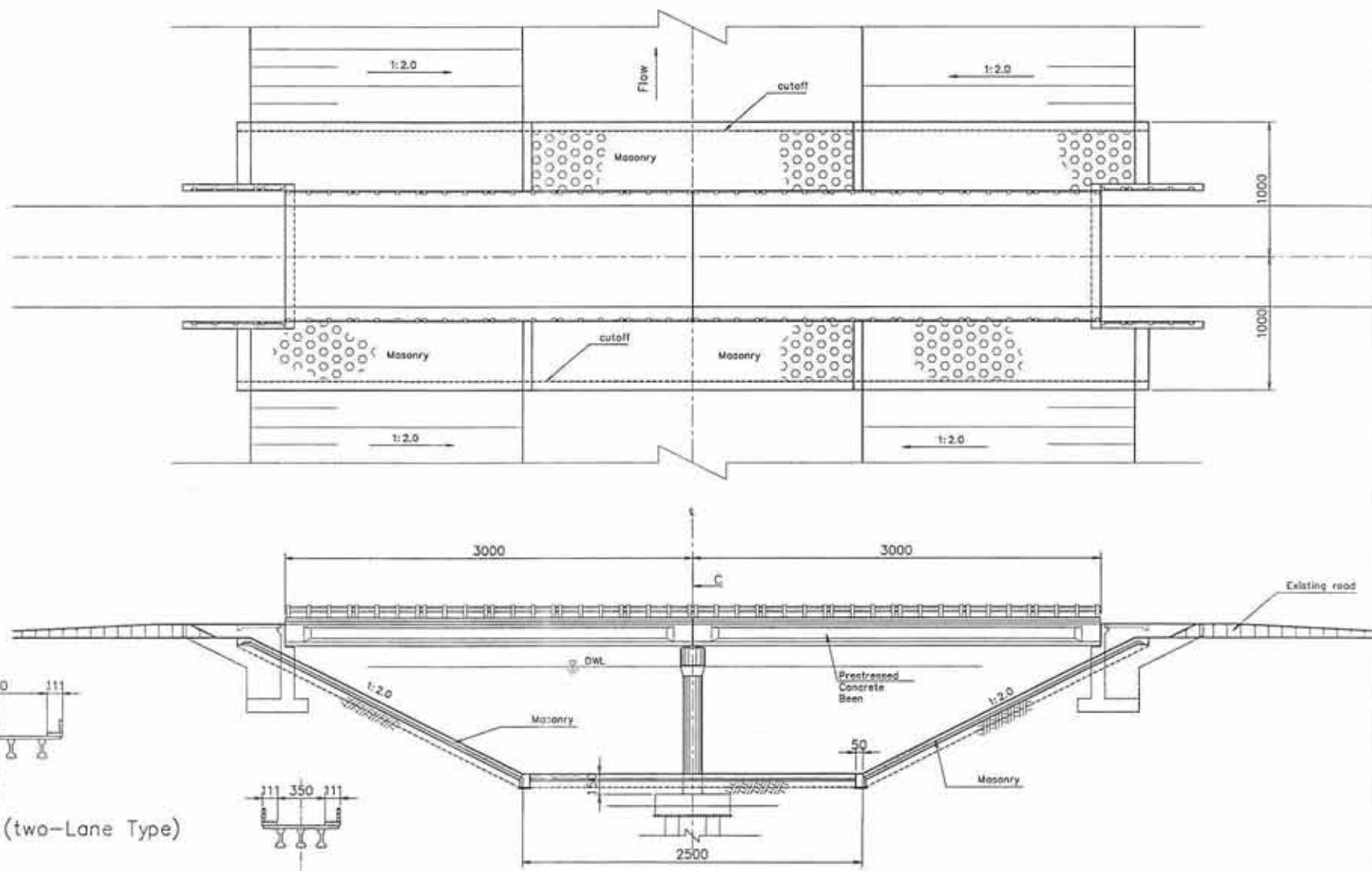
SECTION B-B



SECTION A-A

REPUBLIC OF TUNISIA MINISTRY OF AGRICULTURE AND WATER RESOURCES DEPARTMENT OF DAMS AND LARGE HYDRAULIC WORKS		JAPAN INTERNATIONAL COOPERATION AGENCY
THE STUDY ON INTEGRATED BASIN MANAGEMENT FOCUSED ON FLOOD CONTROL IN MEJERDA RIVER		
DRAWING TITLE:	BOUSALEM BYPASS CHANNEL ( ZONE U2 ) TYPICAL DESIGN OF GROUND SILL	SHEET NO. E-55
NIPPON KOEI Co., Ltd.		

DE1-56

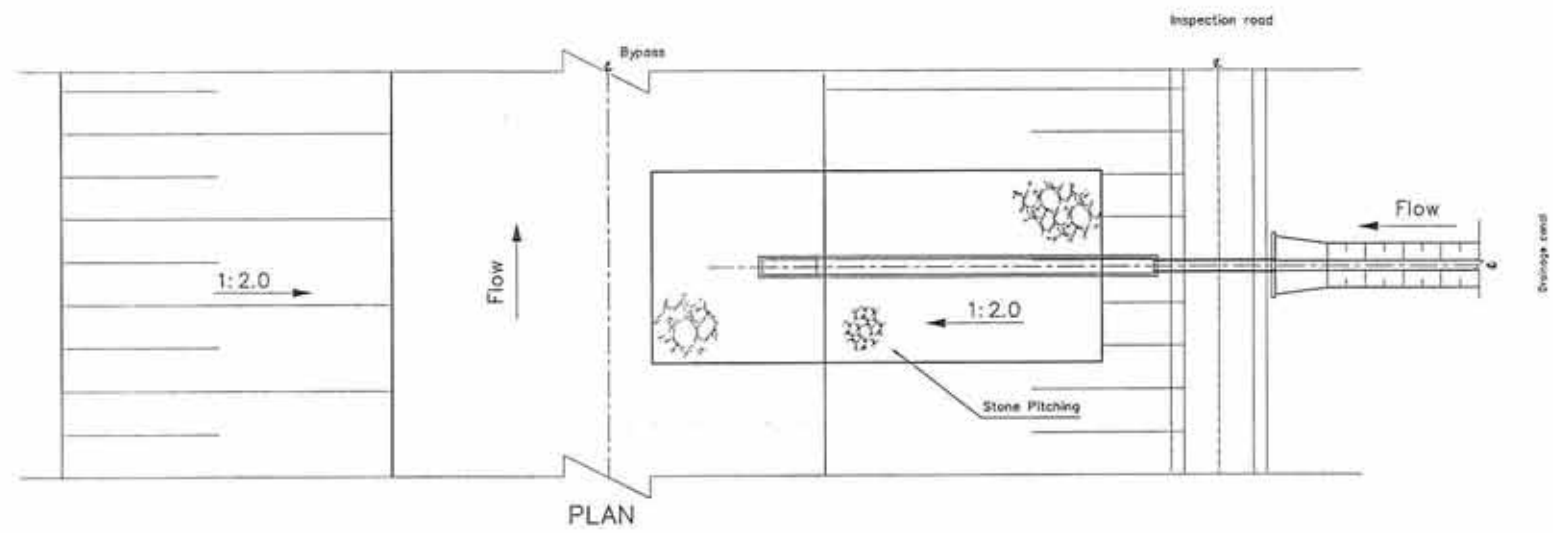


PROFILE  
Bridge L=30m x 2=60m

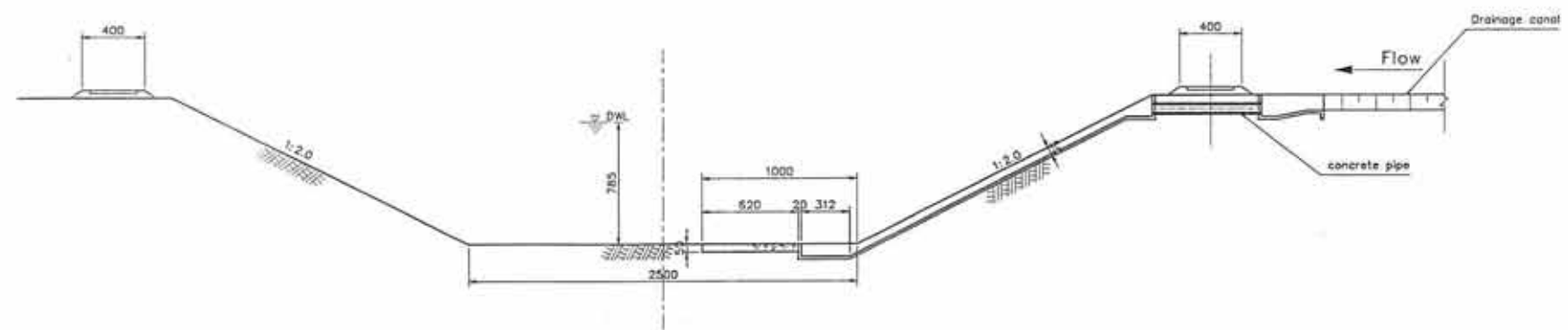
REPUBLIC OF TUNISIA MINISTRY OF AGRICULTURE AND WATER RESOURCES DEPARTMENT OF DAMS AND LARGE HYDRAULIC WORKS		JAPAN INTERNATIONAL COOPERATION AGENCY
THE STUDY ON INTEGRATED BASIN MANAGEMENT FOCUSED ON FLOOD CONTROL IN MEJERDA RIVER		
DRAWING TITLE	BOU SALEM BYPASS CHANNEL (ZONE U2) BRIDGE	SHEET NO. E-56
NIPPON KOEI Co., Ltd.		

SCALE 0 400 800 1200 1600 2000 cm

DE1-57

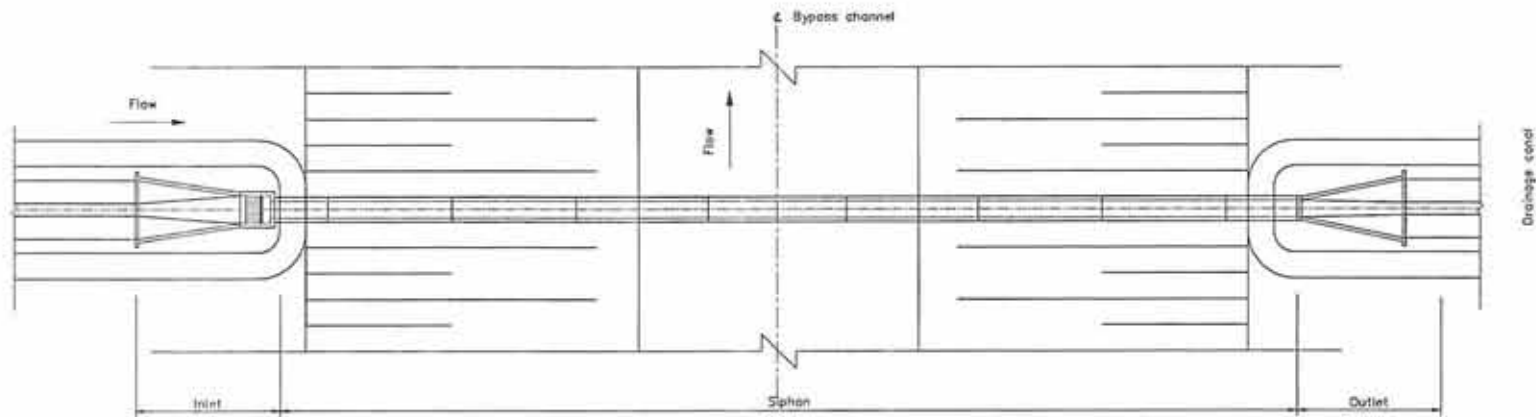


PLAN



CROSS SECTION

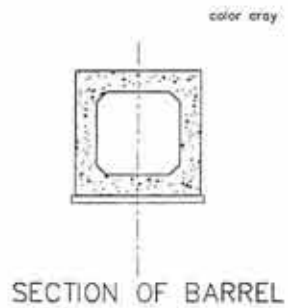
REPUBLIC OF TUNISIA MINISTRY OF AGRICULTURE AND WATER RESOURCES DEPARTMENT OF DAMS AND LARGE HYDRAULIC WORKS		JAPAN INTERNATIONAL COOPERATION AGENCY
THE STUDY ON INTEGRATED BASIN MANAGEMENT FOCUSED ON FLOOD CONTROL IN MEJERDA RIVER		
DRAWING TITLE	BOUSALEM BYPASS CHANNEL ( ZONE U2 ) TYPICAL DESIGN OF DRAIN INLET	SHEET NO. E-57
NIPPON KOEI Co., Ltd.		



PLAN OF IRRIGATION CANAL CROSSING (Siphon)



PROFILE OF IRRIGATION CANAL CROSSING (Siphon)

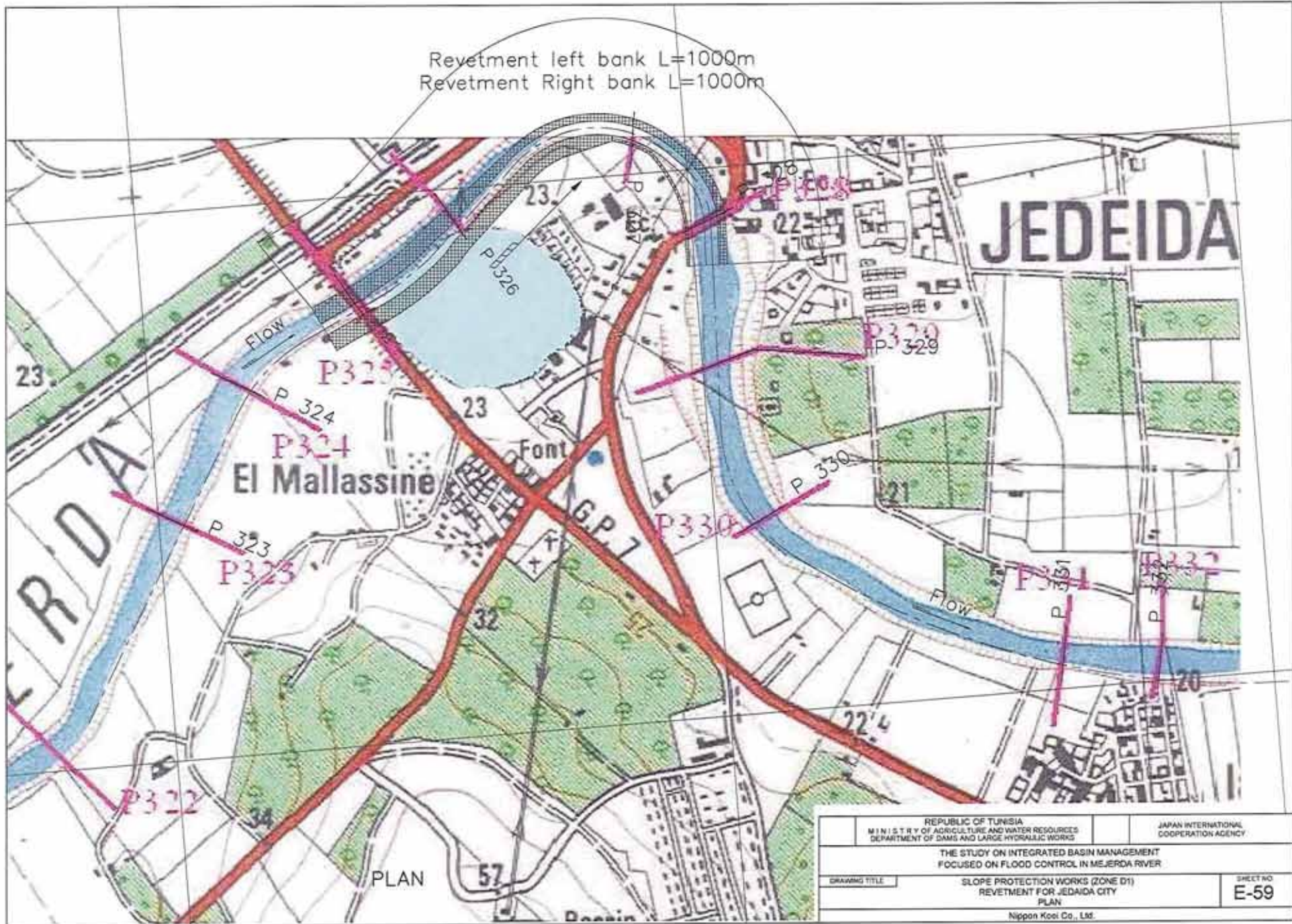


SECTION OF BARREL

REPUBLIC OF TUNISIA MINISTRY OF AGRICULTURE AND WATER RESOURCES DEPARTMENT OF DAMS AND LARGE HYDRAULIC WORKS		JAPAN INTERNATIONAL COOPERATION AGENCY
THE STUDY ON INTEGRATED BASIN MANAGEMENT FOCUSED ON FLOOD CONTROL IN MEJERDA RIVER		
DRAWING TITLE	BOUSALEM BYPASS CHANNEL ( ZONE U2 ) IRRIGATION CANAL CROSSING	SHEET NO. E-58
NIPPON KOEI Co., Ltd.		

DE1-58

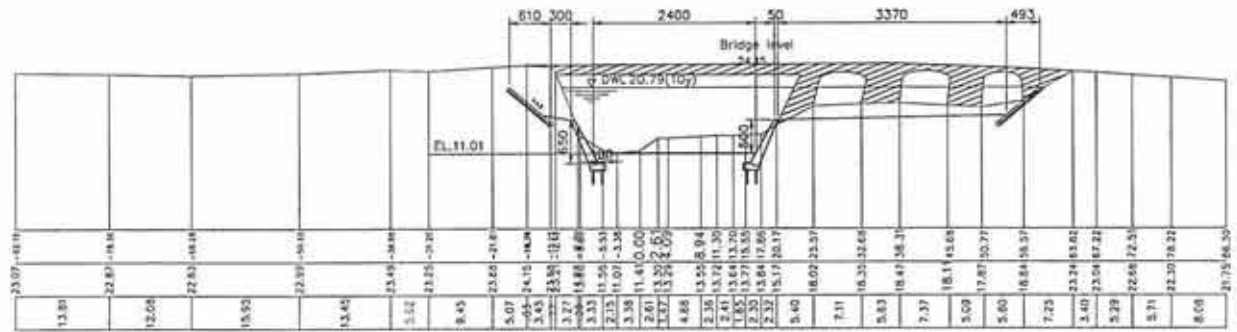
Revetment left bank L=1000m  
 Revetment Right bank L=1000m



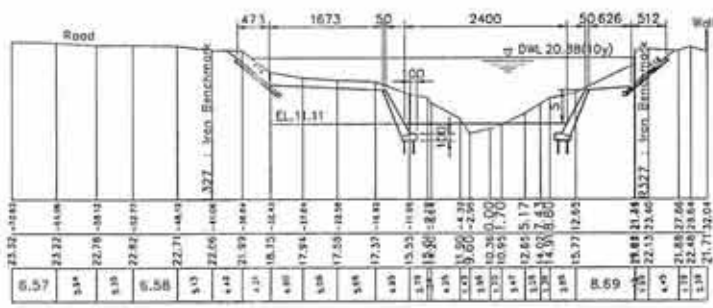
REPUBLIC OF TUNISIA MINISTRY OF AGRICULTURE AND WATER RESOURCES DEPARTMENT OF DAMS AND LARGE HYDRAULIC WORKS		JAPAN INTERNATIONAL COOPERATION AGENCY
THE STUDY ON INTEGRATED BASIN MANAGEMENT FOCUSED ON FLOOD CONTROL IN MEJERDA RIVER		
DRAWING TITLE	SLOPE PROTECTION WORKS (ZONE D1) REVIETMENT FOR JEDAIDA CITY PLAN	SHEET NO E-59
Nippon Koei Co., Ltd.		

DE1-59



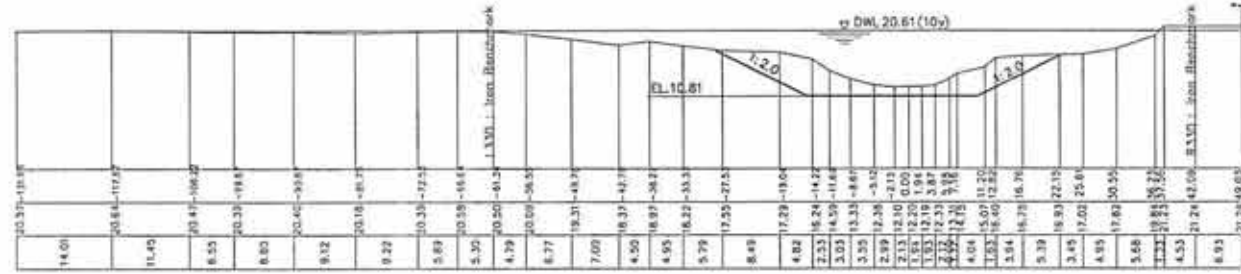


CROSS SECTION N° 328

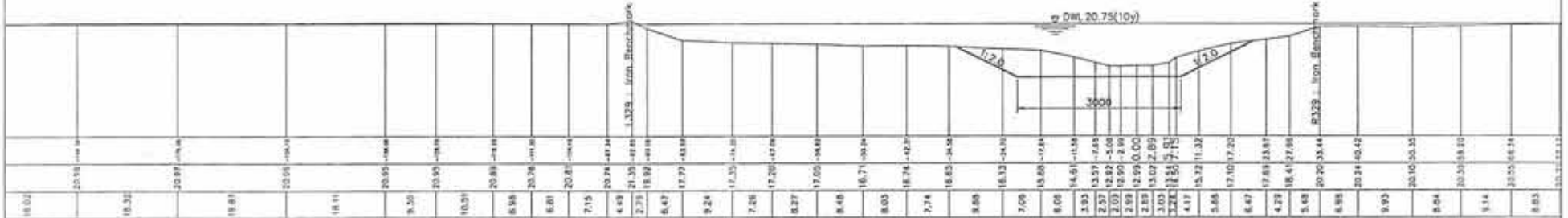


CROSS SECTION N° 327

REPUBLIC OF TUNISIA MINISTRY OF AGRICULTURE AND WATER RESOURCES DEPARTMENT OF DAMS AND LARGE HYDRAULIC WORKS	JAPAN INTERNATIONAL COOPERATION AGENCY
THE STUDY ON INTEGRATED BASIN MANAGEMENT FOCUSED ON FLOOD CONTROL IN MEJERDA RIVER	
DRAWING TITLE	SLOPE PROTECTION WORKS (ZONE D1) REVEITEMENT FOR JEDAIDA CITY CROSS SECTION (2/3) NIPPON KOEI Co., Ltd.
SHEET NO. <b>E-61</b>	



CROSS SECTION N° 330

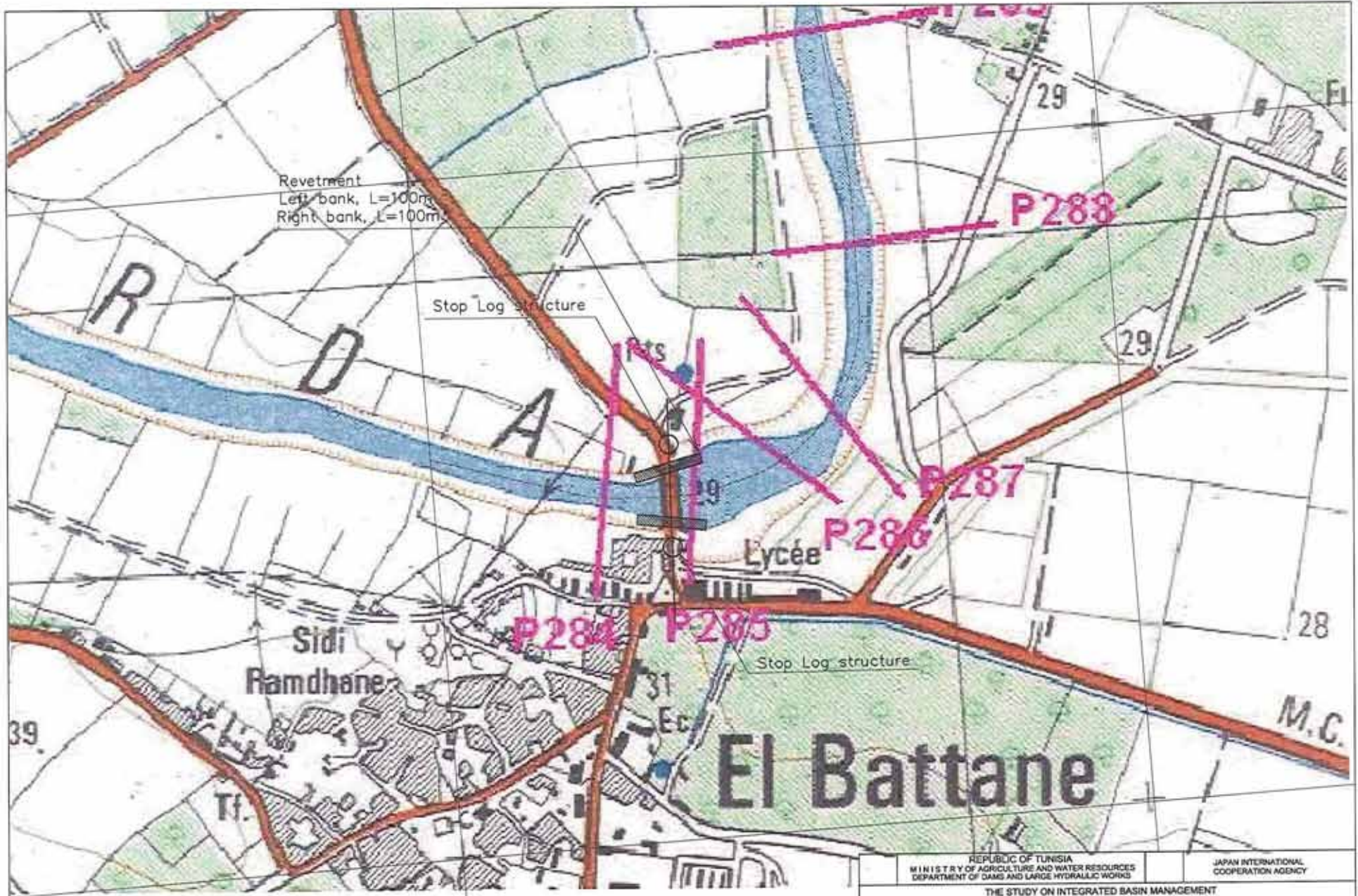


CROSS SECTION N° 329

REPUBLIC OF TUNISIA MINISTRY OF AGRICULTURE AND WATER RESOURCES DEPARTMENT OF DAMS AND LARGE HYDRAULIC WORKS		JAPAN INTERNATIONAL COOPERATION AGENCY
THE STUDY ON INTEGRATED BASIN MANAGEMENT FOCUSED ON FLOOD CONTROL IN MEJERDA RIVER		
DRAWING TITLE	SLOPE PROTECTION WORKS (ZONE D1) REVETMENT FOR JEDAIDA CITY CROSS SECTION (3/3)	SHEET NO <b>E-62</b>
NIPPON KOEI Co., Ltd.		

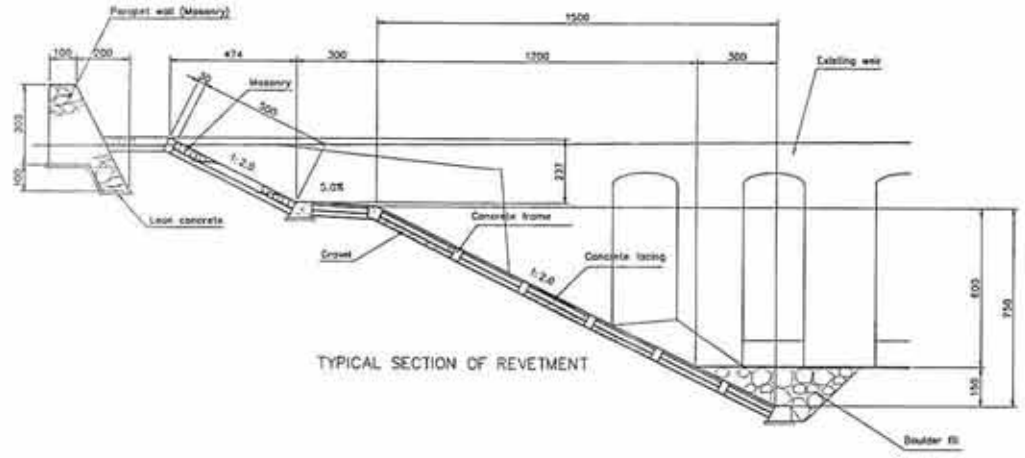


DE1-63

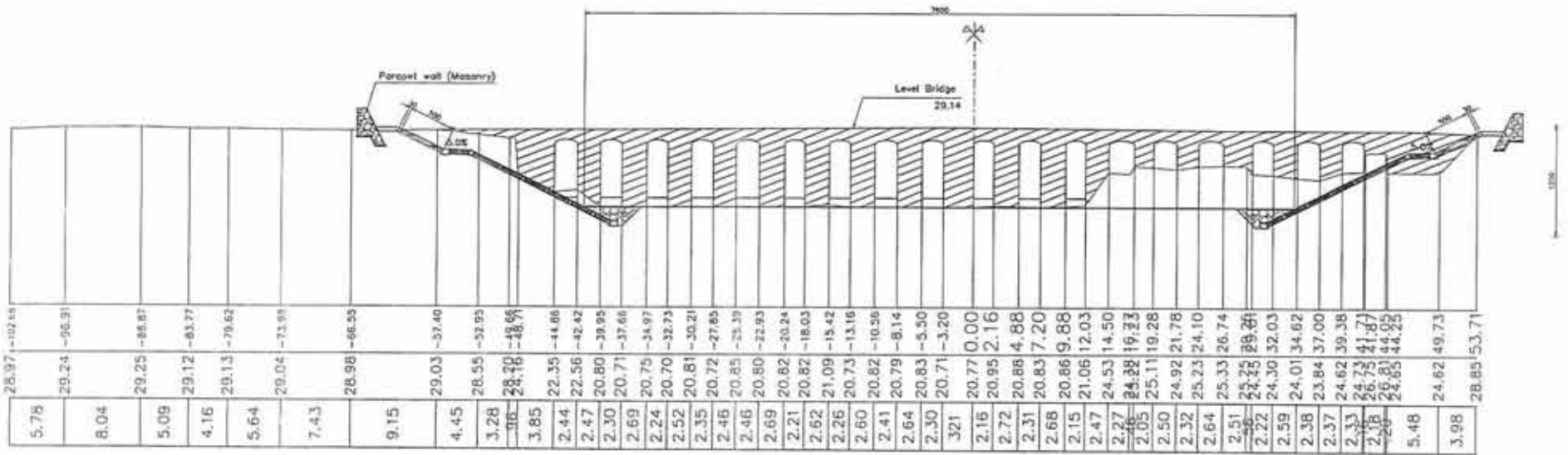


PLAN

REPUBLIC OF TUNISIA MINISTRY OF AGRICULTURE AND WATER RESOURCES DEPARTMENT OF DAMS AND LARGE HYDRAULIC WORKS		JAPAN INTERNATIONAL COOPERATION AGENCY
THE STUDY ON INTEGRATED BASIN MANAGEMENT FOCUSED ON FLOOD CONTROL IN MEJERDA RIVER		
DRAWING TITLE	RIVER BANK PROTECTION EL BATTANE REVETMENT	SHEET NO. E-63
NIPPON KOEI Co., Ltd.		



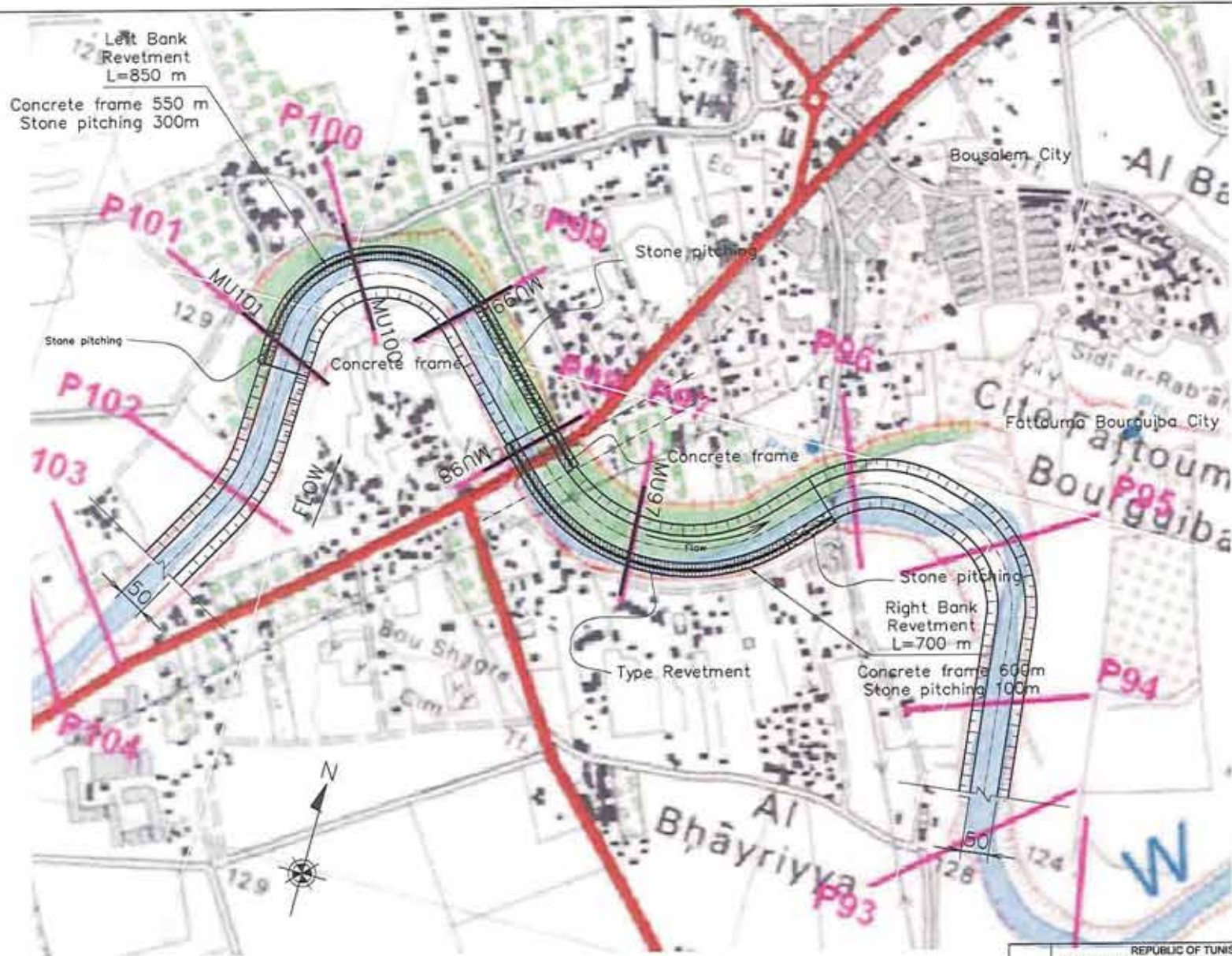
TYPICAL SECTION OF REVETMENT



CROSS SECTION N° 285

REPUBLIC OF TUNISIA MINISTRY OF AGRICULTURE AND WATER RESOURCES DEPARTMENT OF DAMS AND LARGE HYDRAULIC WORKS		JAPAN INTERNATIONAL COOPERATION AGENCY
THE STUDY ON INTEGRATED BASIN MANAGEMENT FOCUSED ON FLOOD CONTROL IN MEJERDA RIVER		
DRAWING TITLE:	RIVER BANK PROTECTION EL BATTAN REVETMENT	SHEET NO. E-64
NIPPON KOEI Co., Ltd.		

DE1-65



PLAN



REPUBLIC OF TUNISIA MINISTRY OF AGRICULTURE AND WATER RESOURCES DEPARTMENT OF DAMS AND LARGE HYDRAULIC WORKS		JAPAN INTERNATIONAL COOPERATION AGENCY
THE STUDY ON INTEGRATED BASIN MANAGEMENT FOCUSED ON FLOOD CONTROL IN MEJERDA RIVER		
DRAWING TITLE	SLOPE PROTECTION WORKS ( ZONE L2 ) REVTMENT FOR BOU SALEM CITY PLAN	SHEET NO. E-65
NIPPON KOEI Co., Ltd.		