

卷末資料 - 1:

竣工図面集



**JAPAN INTERNATIONAL COOPERATION AGENCY
PROCUREMENT FOR CIVIL WORK CONTRACT WITH JICA**

**PROJECT FOR POST- EARTHQUAKE REHABILITATION OF
WATER RESOURCES MANAGEMENT FACILITIES IN PADANG**

AS – BUILT DRAWINGS

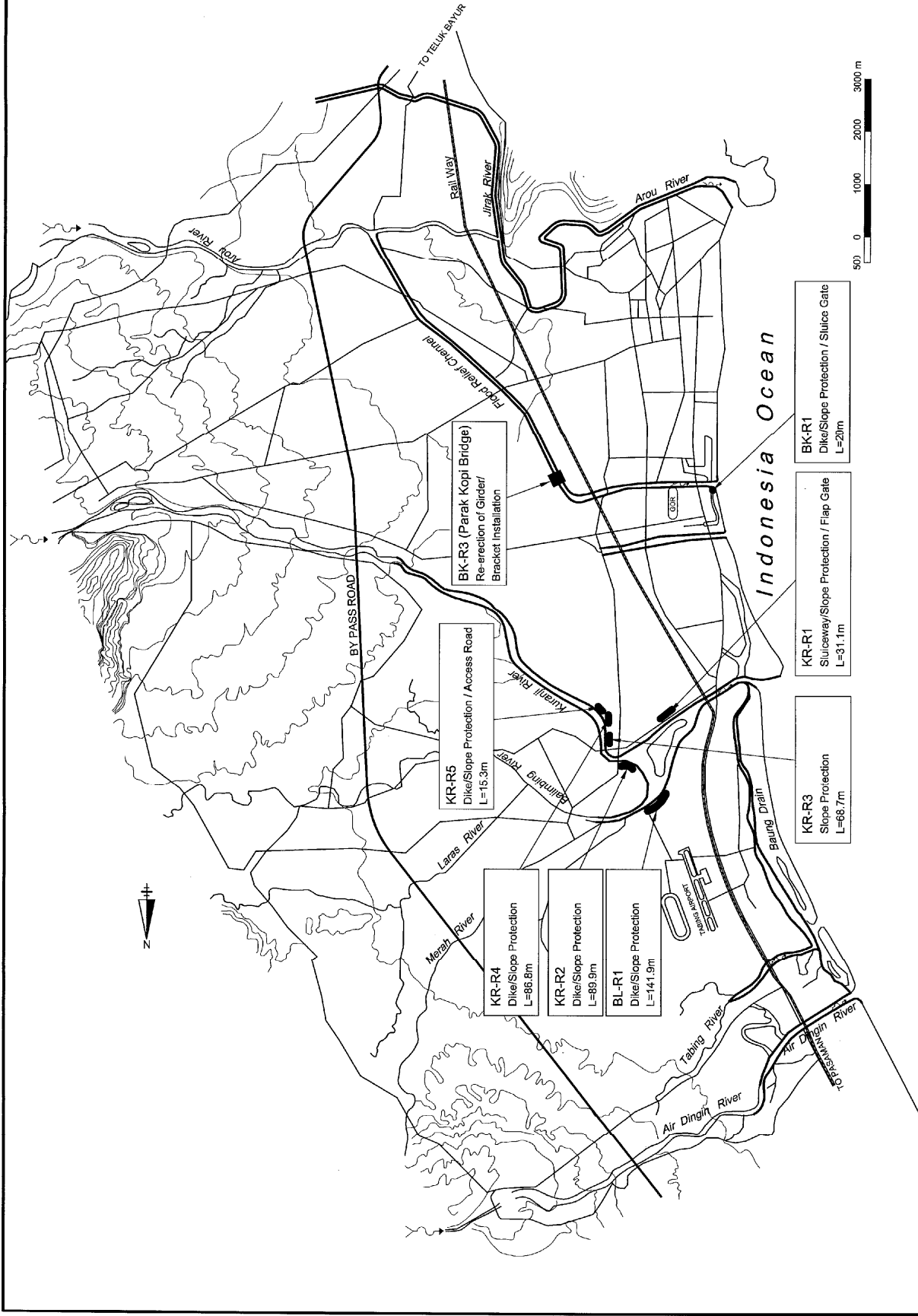
FEBRUARY 2011

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2	G-2		Abbreviation and Symbol
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4	BK-R1-LP-1	Works around Purus Sluice	Longitudinal Profile of Right Dike
5	BK-R1-CS 1-1	Works around Purus Sluice	Cross Section Profile of Right Dike
6	BK-R1-CS 1-2	Works around Purus Sluice	Cross Section Profile of Right Dike
7	BK-R1-CS 1-3	Works around Purus Sluice	Cross Section Profile of Right Dike
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9	BK-R1-SP 1-2	Works around Purus Sluice	Plan of Re-Bar Arrangement
10	BK-R1-SP 1-3	Works around Purus Sluice	Re-Bar Arrangement
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28	KR-R1-SP 1-1	Works at Sluiceway K8	Slope Protection Wet Masonry
29	KR-R1-SP 1-2	Works at Sluiceway K8	Detail Rebar of Slope Protection
30	KR-R1-SP 1-3	Works at Sluiceway K8	Detail Rebar of Slope Protection
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32	KR-R1-SL 1-1	Works at Sluiceway K8	Plan
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PAGE	SHEET NO.	NAME OF WORKS	DRAWING TITILE
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45	KR-R1-TC-1	Works at Sluiceway K8	Plan & Section of Temporary Coffering
46	KR-R2-P-1	Works at Downstream Site of Nanggalo Bridge	Plan
47	KR-R2-LP 1-1	Works at Downstream Site of Nanggalo Bridge	Longitudinal Profile of Right Dike
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50	KR-R2-CS 1-2	Works at Downstream Site of Nanggalo Bridge	Cross Section Profile of Right Dike
51	KR-R2-CS 1-3	Works at Downstream Site of Nanggalo Bridge	Cross Section Profile of Right Dike
52	KR-R2-CS 1-4	Works at Downstream Site of Nanggalo Bridge	Cross Section Profile of Right Dike
53	KR-R2-CS 1-5	Works at Downstream Site of Nanggalo Bridge	Cross Section Profile of Right Dike
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59	KR-R3-P-1	Works at Upstream Site 1 of Nanggalo Bridge	Plan
60	KR-R3-LP 1-1	Works at Upstream Site 1 of Nanggalo Bridge	Longitudinal Profile of Left Dike
61	KR-R3-LP 1-2	Works at Upstream Site 1 of Nanggalo Bridge	Longitudinal Profile of Left Dike
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66	KR-R3-SP-1	Works at Upstream Site 1 of Nanggalo Bridge	Slope Protection Wet Masonry
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68	KR-R4-LP 1-1	Works at Upstream Site 2 of Nanggalo Bridge	Longitudinal Profile of Left Dike
69	KR-R4-LP 1-2	Works at Upstream Site 2 of Nanggalo Bridge	Longitudinal Profile of Left Dike
70	KR-R4-CS 1-1	Works at Upstream Site 2 of Nanggalo Bridge	Cross Section Profile of Left Dike
71	KR-R4-CS 1-2	Works at Upstream Site 2 of Nanggalo Bridge	Cross Section Profile of Left Dike
72	KR-R4-CS 1-3	Works at Upstream Site 2 of Nanggalo Bridge	Cross Section Profile of Left Dike
73	KR-R4-CS 1-4	Works at Upstream Site 2 of Nanggalo Bridge	Cross Section Profile of Left Dike
74	KR-R4-SP 1-1	Works at Upstream Site 2 of Nanggalo Bridge	Slope Protection Wet Masonry
75	KR-R4-SP 1-2	Works at Upstream Site 2 of Nanggalo Bridge	Detail Rebar of Slope Protection
76	KR-R4-SP 1-3	Works at Upstream Site 2 of Nanggalo Bridge	Detail Weep Hole
77	KR-R4-TC-1	Works at Upstream Site 2 of Nanggalo Bridge	Plan & Section of Temporary Coffering

PAGE	SHEET NO.	NAME OF WORKS	DRAWING TITLE
78	KR-R5-P-1	Works at Upstream Site 3 of Nanggalo Bridge	Plan
79	KR-R5-LP-1	Works at Upstream Site 3 of Nanggalo Bridge	Longitudinal Profile of Left Dike
80	KR-R5-CS 1-1	Works at Upstream Site 3 of Nanggalo Bridge	Cross Section Profile of Left Dike
81	KR-R5-CS 1-2	Works at Upstream Site 3 of Nanggalo Bridge	Cross Section Profile of Left Dike
82	KR-R5-SP 1-1	Works at Upstream Site 3 of Nanggalo Bridge	Slope Protection Wet Masonry
83	KR-R5-SP 1-2	Works at Upstream Site 3 of Nanggalo Bridge	Detail Rebar of Slope Protection
84	KR-R5-SP 1-3	Works at Upstream Site 3 of Nanggalo Bridge	Detail Weep Hole
85	KR-R5-TC-1	Works at Upstream Site 3 of Nanggalo Bridge	Plan & Section of Temporary Coffering
BALIMBING RIVER			
86	BL-R1-P-1	Works at Downstream Site of Tunggul Hitam Bridge	Plan
87	BL-R1-LP 1-1	Works at Downstream Site of Tunggul Hitam Bridge	Longitudinal Profile of Right Dike
88	BL-R1-LP 1-2	Works at Downstream Site of Tunggul Hitam Bridge	Longitudinal Profile of Right Dike
89	BL-R1-LP 1-3	Works at Downstream Site of Tunggul Hitam Bridge	Longitudinal Profile of Right Dike
90	BL-R1-CS 1-1	Works at Downstream Site of Tunggul Hitam Bridge	Cross Section Profile of Right Dike
91	BL-R1-CS 1-2	Works at Downstream Site of Tunggul Hitam Bridge	Cross Section Profile of Right Dike
92	BL-R1-CS 1-3	Works at Downstream Site of Tunggul Hitam Bridge	Cross Section Profile of Right Dike
93	BL-R1-CS 1-4	Works at Downstream Site of Tunggul Hitam Bridge	Cross Section Profile of Right Dike
94	BL-R1-CS 1-5	Works at Downstream Site of Tunggul Hitam Bridge	Cross Section Profile of Right Dike
95	BL-R1-CS 1-6	Works at Downstream Site of Tunggul Hitam Bridge	Cross Section Profile of Right Dike
96	BL-R1-CS 1-7	Works at Downstream Site of Tunggul Hitam Bridge	Cross Section Profile of Right Dike
97	BL-R1-CS 1-8	Works at Downstream Site of Tunggul Hitam Bridge	Cross Section Profile of Right Dike
98	BL-R1-SP 1-1	Works at Downstream Site of Tunggul Hitam Bridge	Slope Protection Wet Masonry
99	BL-R1-SP 1-2	Works at Downstream Site of Tunggul Hitam Bridge	Detail Rebar of Slope Protector
100	BL-R1-SP 1-3	Works at Downstream Site of Tunggul Hitam Bridge	Detail Weep Hole
101	BL-R1-SP 1-4	Works at Downstream Site of Tunggul Hitam Bridge	Detail Stair
102	BL-R1-TC-1	Works at Downstream Site of Tunggul Hitam Bridge	Plan & Section of Temporary Coffering
SERVICE AND REPAIR SLIDE GATE			
103	BK-R1-SR-1	Works around Purus Sluice	Section Slide Gate
104	KR-R1-SR-1	Works at Flap Gate K.3A	Section Flap Gate
ACCESS ROAD			
105	KR-R5-AR-P1	Works at Upstream Site 3 of Nanggalo Bridge	Plan
106	KR-R5-AR-LP 1-1	Works at Upstream Site 3 of Nanggalo Bridge	Longitudinal Profile of Access Road
107	KR-R5-AR-LP 1-2	Works at Upstream Site 3 of Nanggalo Bridge	Longitudinal Profile of Access Road
108	KR-R5-AR-LP 1-3	Works at Upstream Site 3 of Nanggalo Bridge	Longitudinal Profile of Access Road
109	KR-R5-AR-CS 1-1	Works at Upstream Site 3 of Nanggalo Bridge	Cross Section Profile of Access Road
110	KR-R5-AR-CS 1-2	Works at Upstream Site 3 of Nanggalo Bridge	Cross Section Profile of Access Road
111	KR-R5-AR-CS 1-3	Works at Upstream Site 3 of Nanggalo Bridge	Cross Section Profile of Access Road
112	KR-R5-AR-CS 1-4	Works at Upstream Site 3 of Nanggalo Bridge	Cross Section Profile of Access Road
113	KR-R5-AR-CS 1-5	Works at Upstream Site 3 of Nanggalo Bridge	Cross Section Profile of Access Road

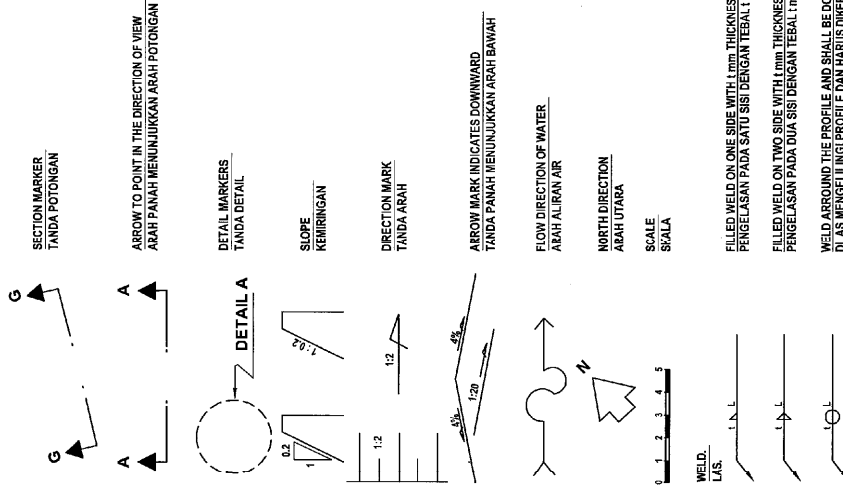


REV.	DATE	DESCRIPTION	BY	PROPOSED BY DATE	APPROVED BY DATE	AS BUILT DRAWINGS	SHEET NO.
							G - 1
Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang							
JICA		BWSS-V		WASKITA PT. WASKITA KARYA		LOCATION : NAME OF WORKS : TITLE : LOCATION MAP OF REHABILITATION WORKS	
				APPROVED BY : Yoko Usui The Engineer			
				PROPOSED BY : Lolly Hendro Project Manager			

ABBREVIATION AND SYMBOL ARTI SINGKATAN DAN SIMBOL

MARK	DESCRIPTION
EL	ELEVATION LEVEL ELEVASI
HWL	HIGH WATER LEVEL MUKA AIR TINGGI
LWL	LOW WATER LEVEL MUKA AIR RENDAH
NWL	NORMAL WATER LEVEL MUKA AIR RENDAH
MWL	MEAN WATER LEVEL MUKA AIR BATA-RATA
LLWL	LOW LOW WATER LEVEL MUKA AIR
GL	GROUND LEVEL MUKA TANAH
L	LENGTH PANJANG
W	WIDTH LEBAR
CL	ANGLE SUJUT
R	RADIUS JARI-JARI
t	THICKNESS TEBAL
D	DIAMETER OF DEFORMED BAR OR DEFORM ANCHOR BOLT DIAMETER TULANGAN BERPUNCI ATAU ANKUR BERPUNCI
φ	DIAMETER DIAMETER
C/C	CENTER TO CENTER PUSAT KE PUSAT
ξ	CENTER TENGAH
SGP	STEEL GAS PIPE PIPA BAJA UNTUK GAS
MT-10A-SA	STAKE AT THE LEFT BANK PATOK DI TEPI KIRI
MT-102-16	STAKE AT THE LEFT BANK PATOK DI TEPI KIRI
PVC	POLY VINYL CHLORIDE PIPA PRILON
	CHANNEL STEEL PROFILE BAJA PROFIL KANAL
T	T STEEL PROFILE BAJA PROFIL
PL	STEEL PLATE BAJA PLAT
H	H STEEL PROFILE BAJA PROFIL H
L	ANGLE STEEL PROFILE BAJA PROFIL SIKU-SIKU
	REINFORCED CONCRETE PILE OF SQUARE TYPE TIANG PANGCANG BETON BERTULANG TYPE PERSEGI

SYMBOL	DESCRIPTION
	EARTH TANAH
	ROCK BATUAN
	SODDING GEBALAN RUMPUT
	SAND PASIR
	SAND AND GRAVEL PASIR DAN KERIKIL
	WATER SURFACE MUKA AIR
	EMBANKMENT TIMBUNAN
	CUT GALIAN
	CONCRETE BETON
	REINFORCED CONCRETE (SECTION) BETON BERTULANG (POTONGAN)
	EXISTING CONCRETE BETON YANG ADA
	TIMBER CONCRETE BETON RINGAN
	WET MASONRY (PLAN) PASANGAN BATU (DENAH)
	WET MASONRY (SECTION) PASANGAN BATU (POTONGAN)
	EXISTING WET MASONRY PASANGAN BATU YANG ADA
	REINFORCED CONCRETE (FRONT VIEW/PLAN) BETON BERTULANG (TAMPAP MUKA, DENAH)
	LEVELLING CONCRETE LANTAI KERJA
	GABION (PLAN) BRONJONG (DENAH)
	GABION (SECTION) BRONJONG (POTONGAN)
	GRAVEL KERIKIL
	COBBLE STONE BATU KALI
	LATER STAGE CONCRETE BETON TAHAP KEDUA
	CONCRETE BLOCK (PLAN) BLOK BETON (DENAH)
	CONCRETE WITH COBBLE STONES (PLAN) BETON DENGAN BATU KALI (DENAH)
	CONCRETE WITH COBBLE STONE (SECTION) BETON DENGAN BATU KALI (POTONGAN)



SECTION MARKER
TANDA POTONGAN

ARROW TO POINT IN THE DIRECTION OF VIEW
ARAH PANAH MENUNJUKKAN ARAH POTONGAN

DETAIL MARKERS
TANDA DETAIL

SLOPE
KEMIRINGAN

DIRECTION MARK
TANDA ARAH

ARROW MARK INDICATES DOWNWARD
TANDA PANAH MENUNJUKKAN ARAH BAWAH

FLOW DIRECTION OF WATER
ARAH ALIRAN AIR

NORTH DIRECTION
ARAH UTARA

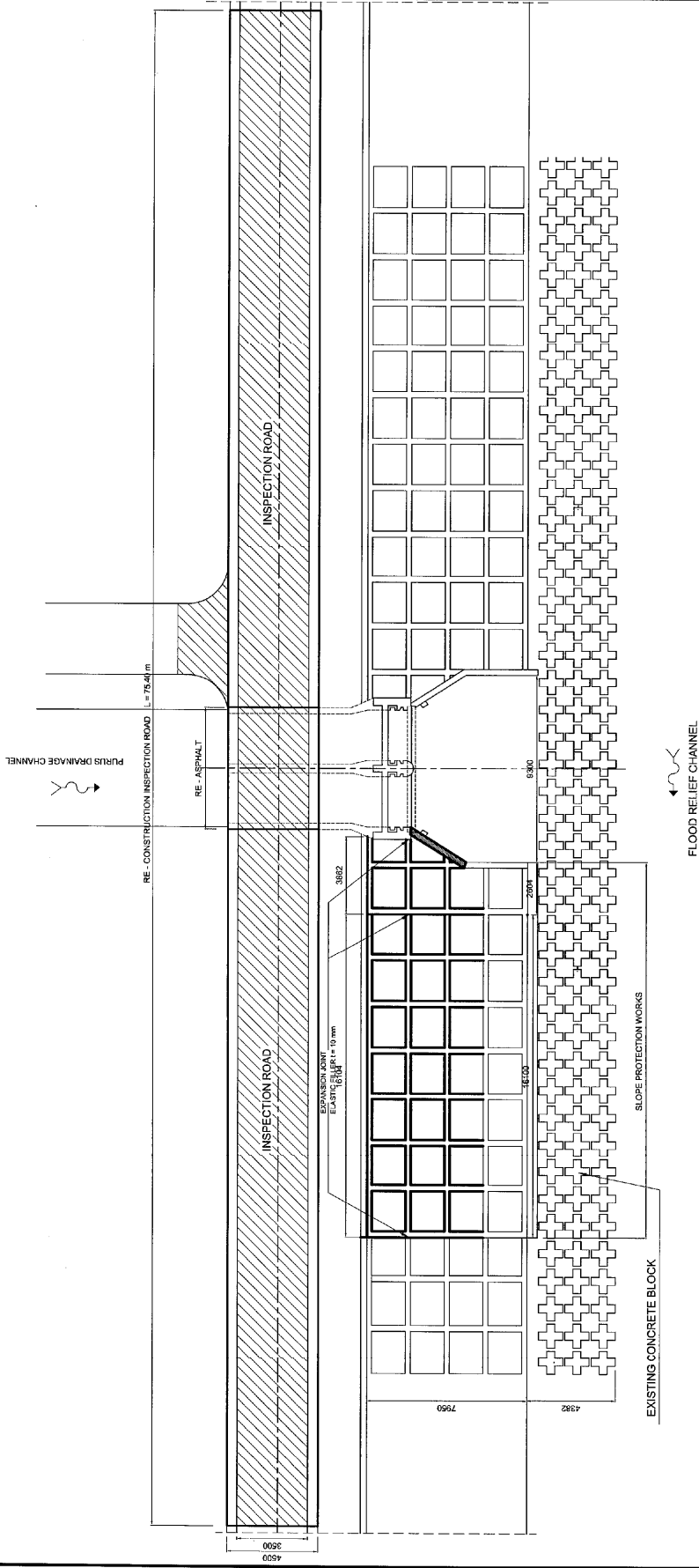
SCALE

FILLED WELD ON ONE SIDE WITH 1 mm THICKNESS AND L mm LENGTH
PENGELASAN PADA SATU SISI DENGAN TEBAL 1 mm DAN PANJANG L mm

FILLED WELD ON TWO SIDE WITH 1 mm THICKNESS AND L mm LENGTH
PENGELASAN PADA DUA SISI DENGAN TEBAL 1 mm DAN PANJANG L mm

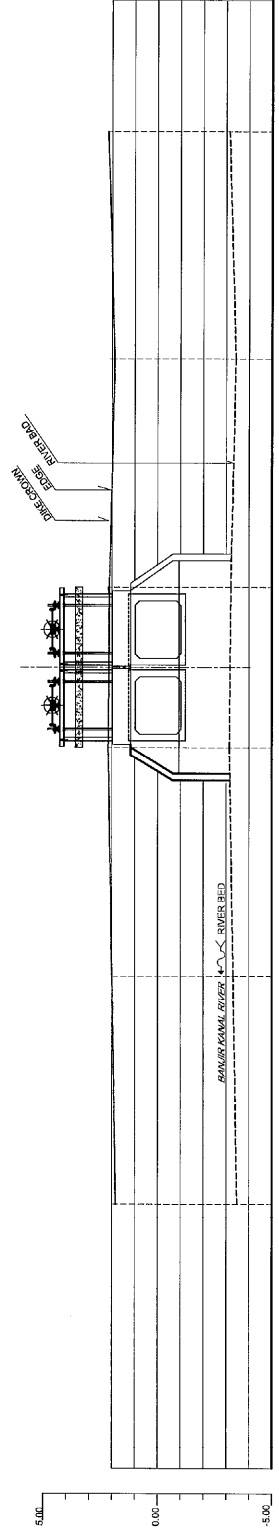
WELD AROUND THE PROFILE AND SHALL BE DONE IN WORKSHOP
DAS MENGGELINGI PROFILE DAN HARUS DINGERAKAN DI WORKSHOP

		Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang	AS BUILT DRAWINGS	SHEET NO. G - 2
BWSS-V	PT. WASKITA KARYA	APPROVED BY DATE PROJECT MANAGER	PROPOSED BY DATE PROJECT MANAGER	LOCATION NAME OF WORKS TITLE



PLAN
SCALE 1:100

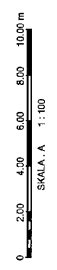
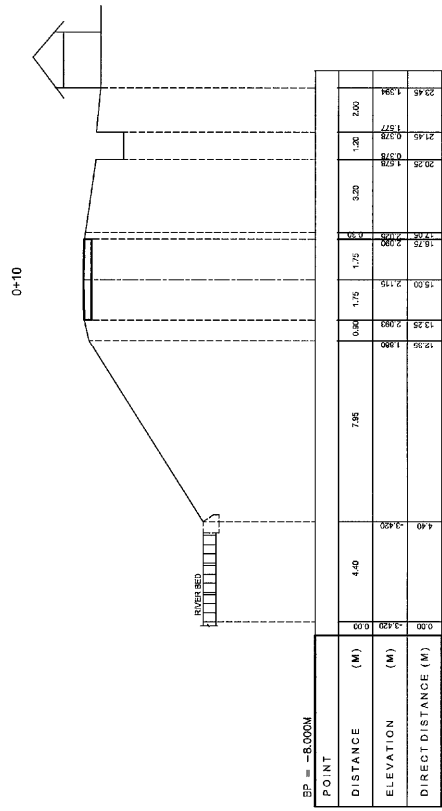
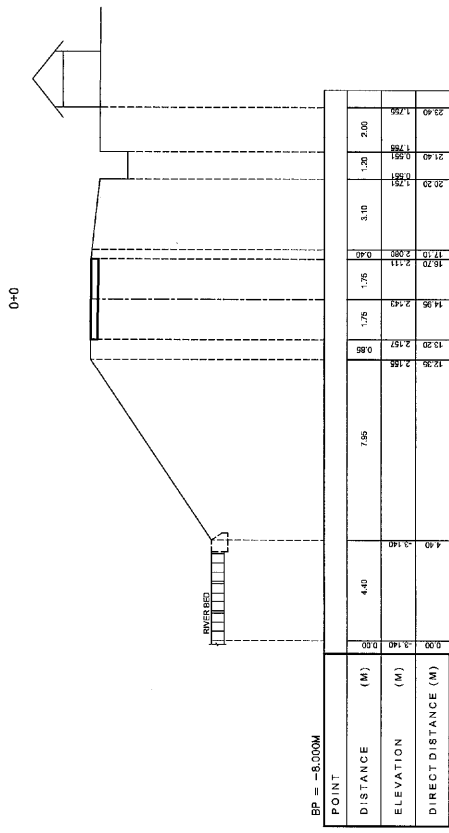
		Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang	REV.	DATE	DESCRIPTION	BY	PROPOSED BY DATE	APPROVED BY DATE	AS BUILT DRAWINGS	SHEET NO.
								PROPOSED BY DATE HENDRO Project Manager	APPROVED BY DATE USJI The Engineer	LOCATION : FLOOD RELIEF CHANNEL (BANJIR KANAL) NAME OF WORKS : WORKS AROUND PURUS SLUICE TITLE : PLAN



EL OF DIKE CROWN	RIVER BED	CUMULATIVE BETWEEN TWO SECTION	SECTION NO.
47.00	3.140	1.880	BK.R1.0
37.00	3.420	1.880	BK.R1.10
22.00	3.200	2.099	BK.R1.20
20.00	3.140	2.191	BK.R1.27
10.00	3.31	1.988	BK.R1.37
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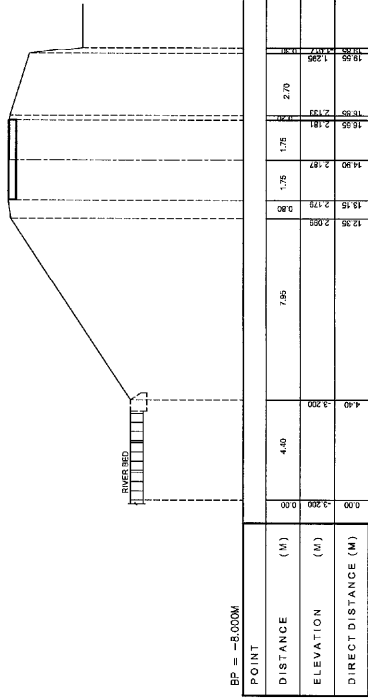


 JICA	 PT. WASKITA KARYA	Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang	REV.	DATE	DESCRIPTION	BY	PROPOSED BY DATE	APPROVED BY DATE	AS BUILT DRAWINGS	SHEET NO.
										LOCATION : FLOOD RELIEF CHANNEL (BANJIR KANAL) NAME OF WORKS : WORKS AROUND PURUS SLUICE TITLE : LONGITUDINAL PROFILE OF RIGHT DIKE

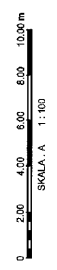
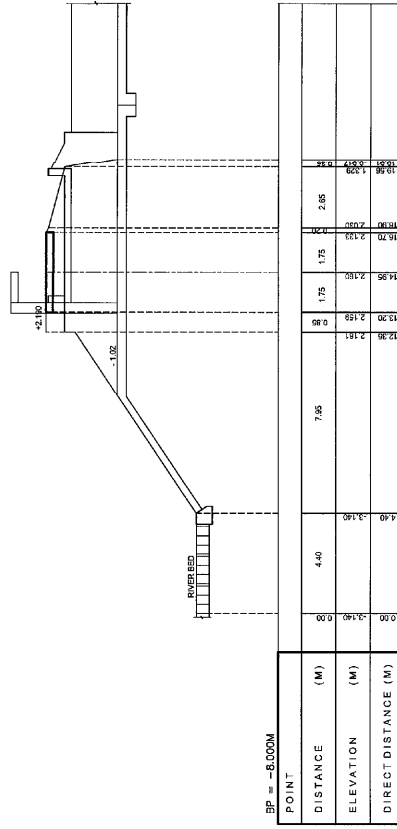


 JICA	 BWSS-V	 PT. WASKITA KARYA	Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang			REV.	DATE	DESCRIPTION	BY	PROPOSED BY DATE	APPROVED BY DATE	AS BUILT DRAWINGS	SHEET NO.
													LOCATION : FLOOD RELIEF CHANNEL (BANJIR KANAL) NAME OF WORKS : WORKS AROUND PURUS SLUIJDE TITLE : CROSS SECTION PROFILE OF RIGHT DIKE

0+20

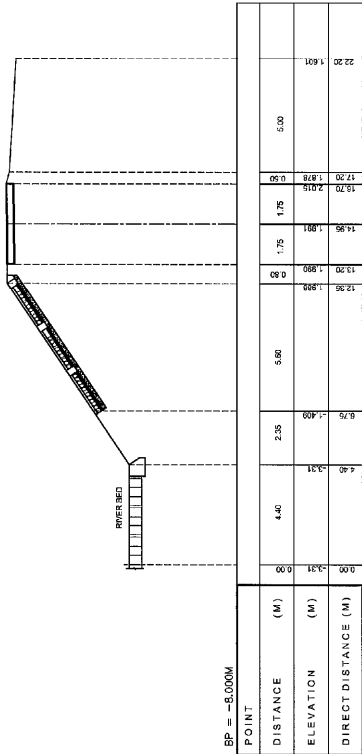


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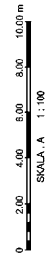
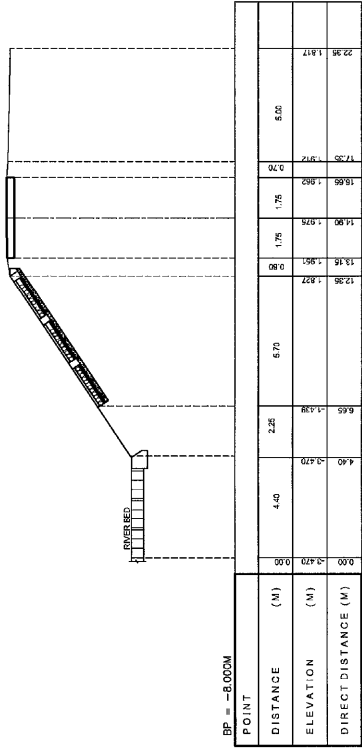


 JICA	 BWSS-V	 PT. WASKITA KARYA	Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang			REV.	DATE	DESCRIPTION	BY	PROPOSED BY	APPROVED BY	AS BUILT DRAWINGS LOCATION : FLOOD RELIEF CHANNEL (BANJIR KANAL) NAME OF WORKS : WORKS AROUND PURUS SLUICE TITLE : GROSS SECTION PROFILE OF RIGHT DIKE	SHEET NO. BK-R1 - CS 1-2
							J. LOLY HENDRO Project Manager	Yoseph USUJI The Engineer					

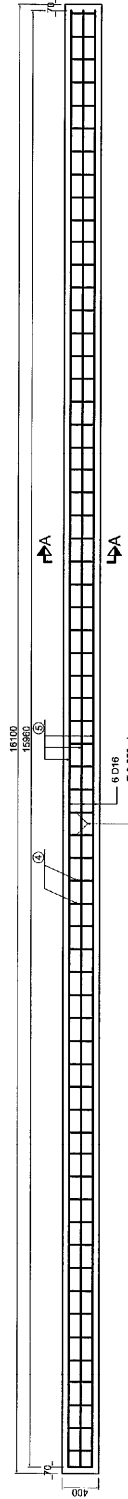
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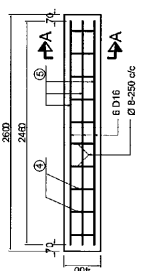
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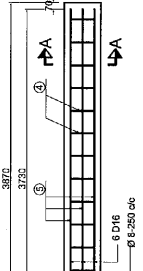
	Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang	REV.	DATE	DESCRIPTION	BY	PROPOSED BY	APPROVED BY	AS BUILT DRAWINGS LOCATION : FLOOD RELIEF CHANNEL (BANJIR KANAL) NAME OF WORKS : WORKS AROUND PURUS SLUICE TITLE : .GROSS SECTION PROFILE OF RIGHT DIKE	SHEET NO. BK-R1 - CS-18
						Ir. LELY HENDRO Project Manager	Yosafid USJI The Engineer		



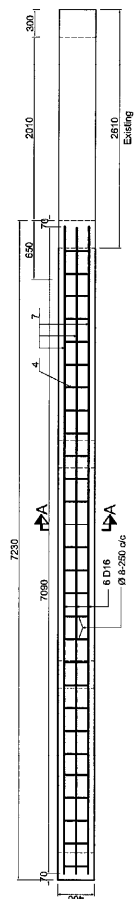
HORIZONTAL BEAM (L = 16,100 m)
SCALE 1 : 25



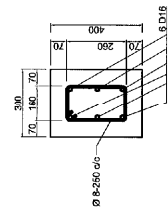
HORIZONTAL BEAM (L = 2,80 m)
SCALE 1 : 25



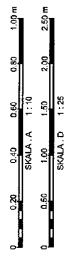
HORIZONTAL BEAM (L = 3,870 m)
SCALE 1 : 25



VERTICAL BEAM (L = 6,93 m)
SCALE 1 : 25








SECTION A-A
SCALE 1 : 10

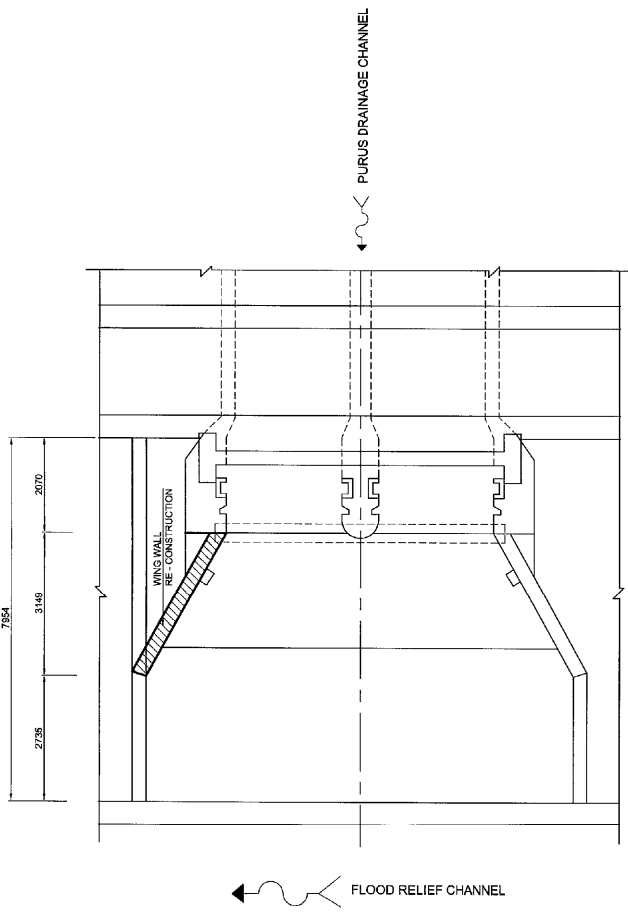


 JICA	 BWSS-V	 PT. WASKITA KARYA	Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang			REV. DATE DESCRIPTION BY	PROPOSED BY DATE PROJECT MANAGER	APPROVED BY DATE THE ENGINEER	AS BUILT DRAWINGS LOCATION : FLOOD RELIEF CHANNEL (BANJIR KANAL) NAME OF WORKS : WORKS AROUND PURUS SLUIDE TITLE : RE-BAR ARRANGEMENT	SHEET NO. BK-R1-SP-1-3

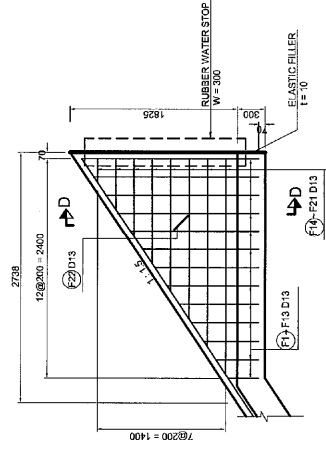
LIST OF REINFORCEMENT BENDING SCHEDULE FOR CONCRETE CRIB

ITEM	REMARK	DIA (mm)	LENGTH (mm)	PCS	TOTAL LENGTH (m)	NOS	Kg/m	TOTAL (Kg)
Horizontal Beam L = 16.10 m		8	920	64	58.90	3	0.40	70.80
		16	15960	6	99.70	3	1.58	472.50
							Sub Total	543.30
Horizontal Beam L = 2.60 m		8	920	10	9.20	1	0.40	3.70
		16	2460	6	14.80	1	1.58	23.40
							Sub Total	27.10
Horizontal Beam L = 3.87 m		8	920	15	13.80	2	0.40	11.00
		16	3730	6	22.40	2	1.58	70.80
							Sub Total	81.80
Vertical Beam L = 6.93 m		8	920	28	25.80	9	0.40	92.70
		16	6860	6	41.20	9	1.58	585.90
							Sub Total	678.60
TOTAL								1330.80

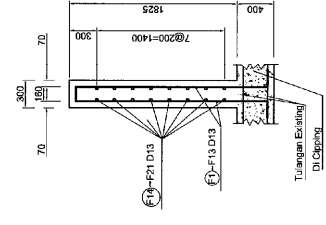
 JICA	 BWSS-V	 PT. WASKITA KARYA	Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang	REV. DATE DESCRIPTION BY	PROPOSED BY DATE  Project Manager	APPROVED BY DATE  The Engineer	AS BUILT DRAWINGS LOCATION : FLOOD RELIEF CHANNEL (BANJIR KANAL) NAME OF WORKS : WORKS AROUND PURUS SLUICE TITLE : BENDING SCHEDULE OF SLOPE PROTECTION CONCRETE CRIB	SHEET NO. BK - R1 - SP-1-4
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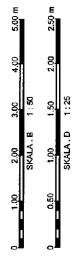
PLAN
SCALE 1 : 50



WALL SIDE VIEW
SCALE 1 : 25

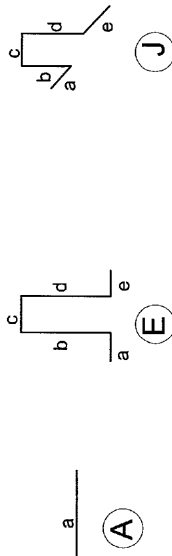


SECTION D - D
SCALE 1 : 25



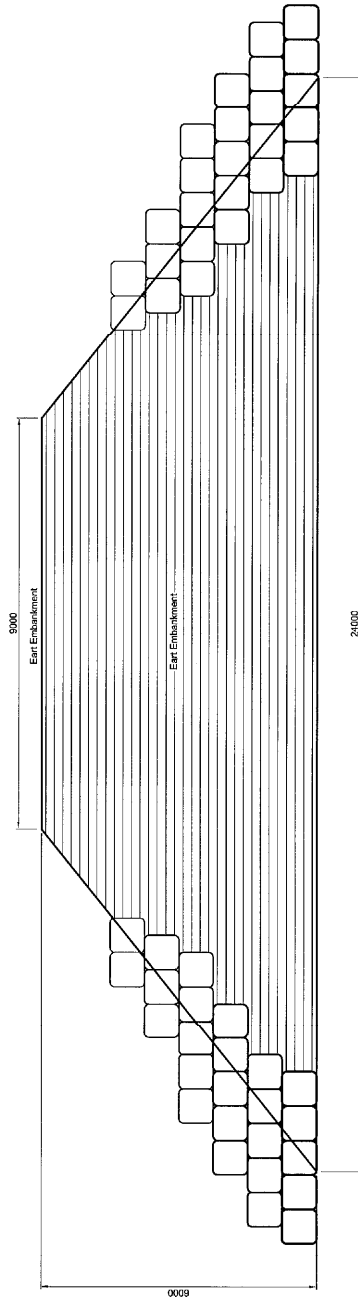
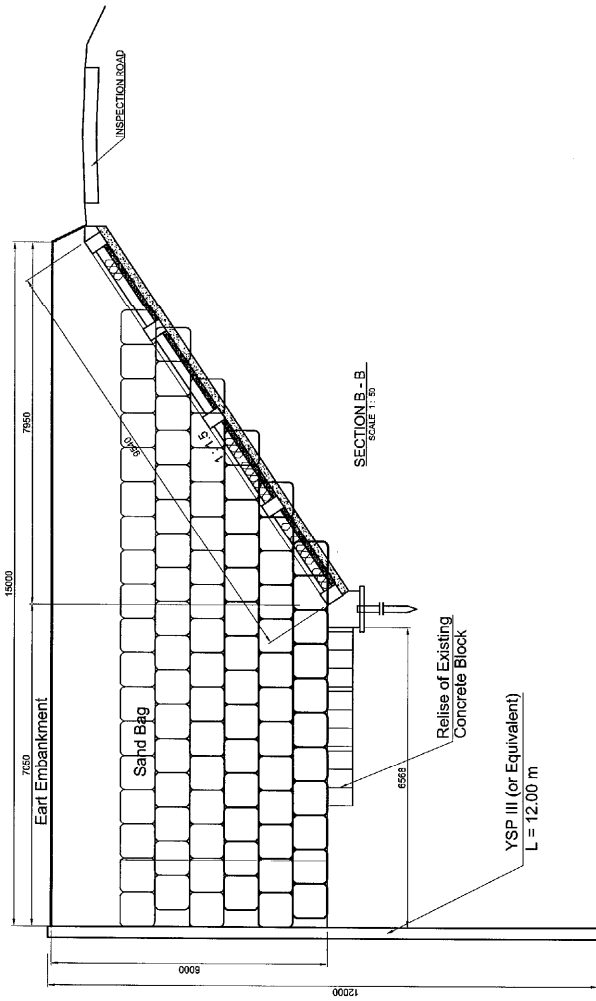
JICA BWSS-V PT. WASKITA KARYA	Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang		REV. DATE DESCRIPTION BY	PROPOSED BY NAME: PROJECT MANAGER DATE:	APPROVED BY NAME: THE ENGINEER DATE:	AS BUILT DRAWINGS LOCATION : FLOOD RELIEF CHANNEL (BANJIR KANAL) NAME OF WORKS : WORKS AROUND PURUS SLUISE TITLE : RE-BAR ARRANGEMENT OF WING WALL	SHEET NO. BK-RI-SL-1
	TITLE : RE-BAR ARRANGEMENT OF WING WALL						

REINFORCEMENT BENDING SCHEDULE FOR WINGWALL



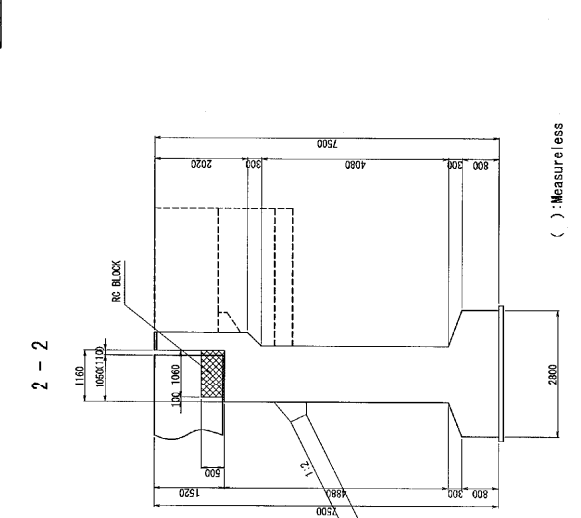
No.	MARK	TYPE	Nos. of BAR	DIA (mm)	BENDING SCHEDULE (mm)										TOTAL LENGTH (m)	WEIGHT (kg/m)	TOTAL WEIGHT (Kg)
					a	b	c	d	e	f	g	h	Total				
1	F 1	E	2	13	600	325	160	325	600	0	0	0	0	0	1570	4.02	4.18
2	F 2	E	2	13	600	459	160	459	600	0	0	0	0	0	1838	4.56	4.74
3	F 3	E	2	13	600	592	160	592	600	0	0	0	0	0	2104	5.09	5.29
4	F 4	E	2	13	600	725	160	725	600	0	0	0	0	0	2370	5.62	5.84
5	F 5	E	2	13	600	859	160	859	600	0	0	0	0	0	2638	6.16	6.40
6	F 6	E	2	13	600	992	160	992	600	0	0	0	0	0	2904	6.69	6.96
7	F 7	E	2	13	600	1125	160	1125	600	0	0	0	0	0	3170	7.22	7.51
8	F 8	E	2	13	600	1259	160	1259	600	0	0	0	0	0	3438	7.76	8.07
9	F 9	E	2	13	600	1392	160	1392	600	0	0	0	0	0	3704	8.29	8.62
10	F 10	E	2	13	600	1532	160	1532	600	0	0	0	0	0	3984	8.85	9.20
11	F 11	E	2	13	600	1663	160	1663	600	0	0	0	0	0	4246	9.37	9.75
12	F 12	E	2	13	600	1794	160	1794	600	0	0	0	0	0	4508	9.90	10.29
13	F 13	E	2	13	600	1925	160	1925	600	0	0	0	0	0	4770	10.42	10.84
14	F 14	A	4	13	256	0	0	0	0	0	0	0	0	0	256	1.02	1.06
15	F 15	A	4	13	556	0	0	0	0	0	0	0	0	0	556	2.22	2.31
16	F 16	A	4	13	855	0	0	0	0	0	0	0	0	0	855	3.42	3.56
17	F 17	A	4	13	1155	0	0	0	0	0	0	0	0	0	1155	4.62	4.80
18	F 18	A	4	13	1455	0	0	0	0	0	0	0	0	0	1455	5.82	6.05
19	F 19	A	4	13	1755	0	0	0	0	0	0	0	0	0	1755	7.02	7.30
20	F 20	A	4	13	2055	0	0	0	0	0	0	0	0	0	2055	8.22	8.55
21	F 21	A	4	13	2355	0	0	0	0	0	0	0	0	0	2355	9.42	9.80
22	F 22	J	4	13	100	108	252	108	100	0	0	0	0	0	668	2.67	2.78
TOTAL BERAT												143.90					

			Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang	REV. DATE DESCRIPTION BY	PROPOSED BY DATE PROJECT MANAGER	APPROVED BY DATE THE ENGINEER	AS BUILT DRAWINGS LOCATION : FLOOD RELIEF CHANNEL (BANJIR KANAL) NAME OF WORKS : WORKS AROUND PURUS SLUICE TITLE : REINFORCEMENT BENDING OF WING WALL	SHEET NO. BK - R1 - SL-2
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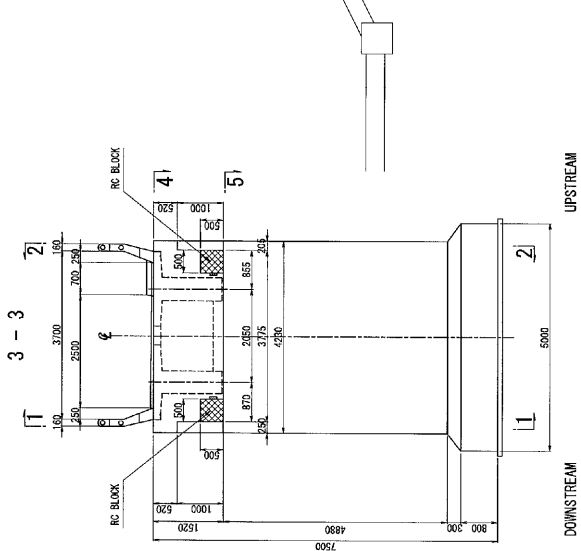


SECTION A - A
SCALE 1:50

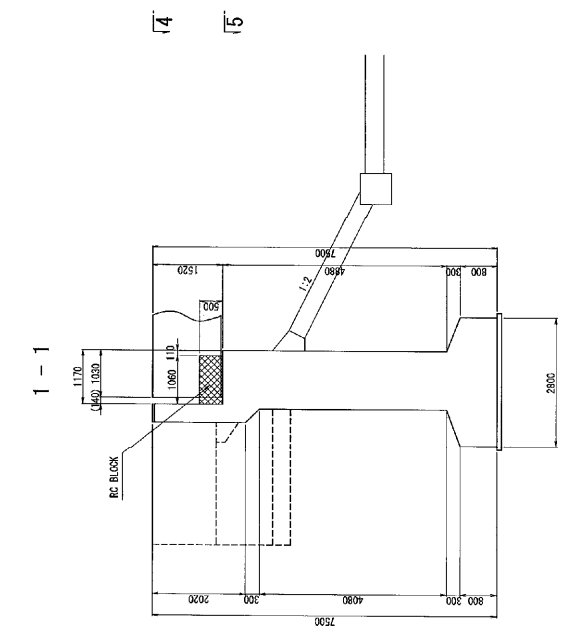
			Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang			REV. DATE DESCRIPTION BY	PROPOSED BY DATE J. LOLLY HENDRO Project Manager	APPROVED BY DATE Yusuf Yusui The Engineer	AS BUILT DRAWINGS LOCATION : FLOOD RELIEF CHANNEL (BANJIR KANAL) NAME OF WORKS : WORKS AROUND PURUS SLUISE TITLE : SECTION OF TEMPORARY COVERING	SHEET NO BK-R1-TC 1-2
			JICA BWSS-V PT. WASKITA KARYA							



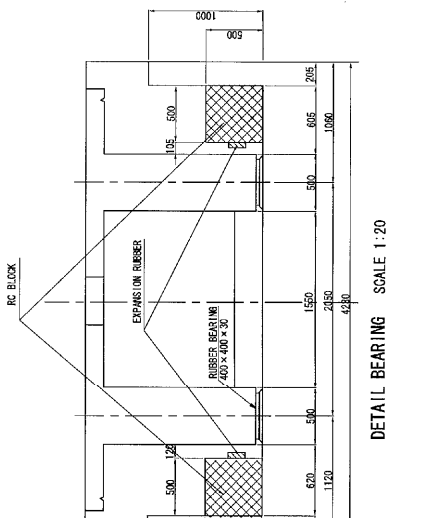
DOWNSTREAM SIDE VIEW SCALE 1:50



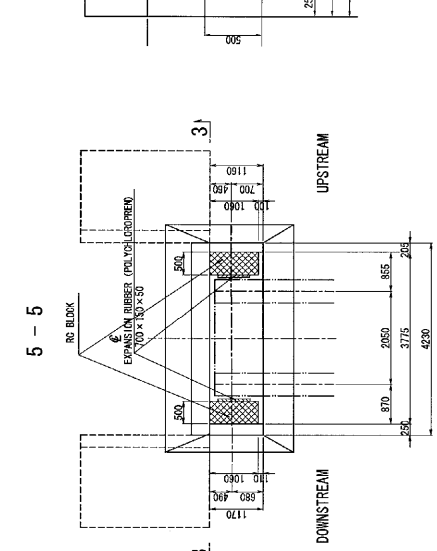
UPSTREAM SIDE VIEW SCALE 1:50



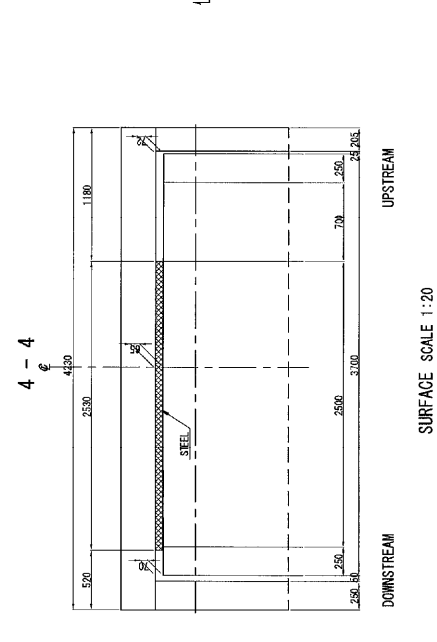
ELEVATION SCALE 1:50



SURFACE SCALE 1:20



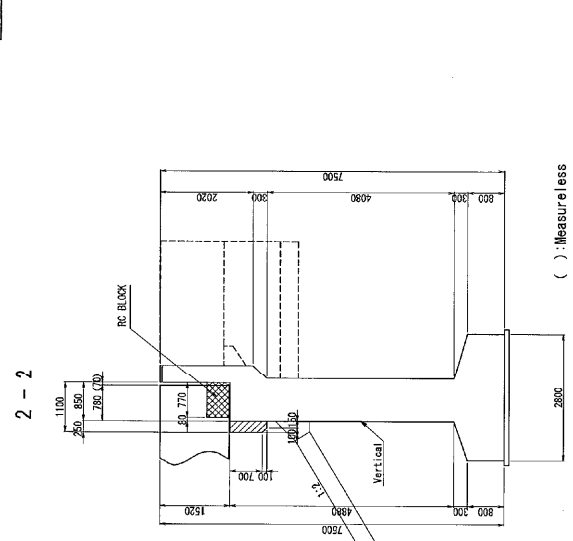
PLAN SCALE 1:50



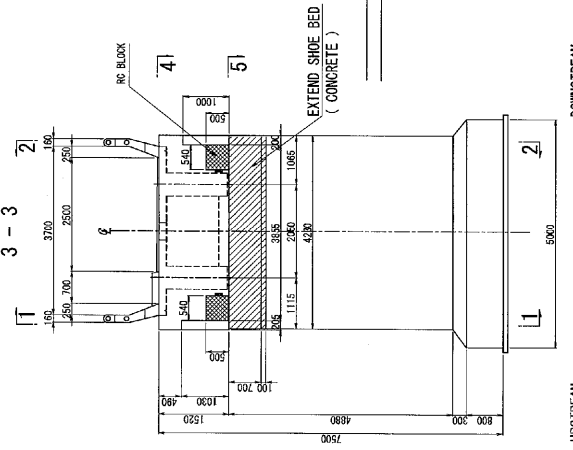
DETAIL BEARING SCALE 1:20

RIGHT ABUTMENT

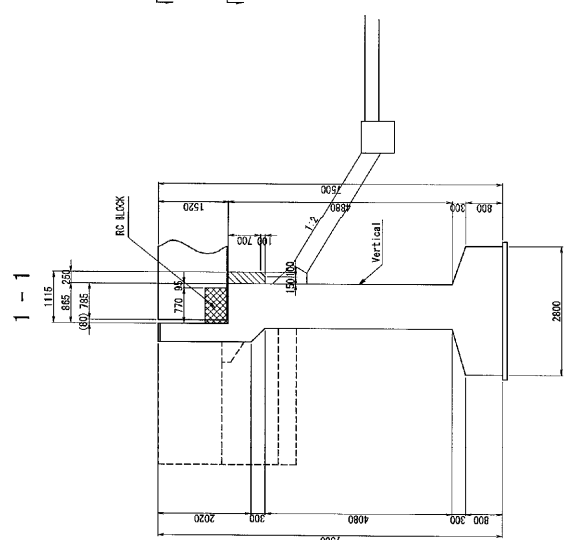
REV.	DATE	DESCRIPTION	BY	PROPOSED BY	APPROVED BY	ASBUILT DRAWING	SHEET NO
				Ir. LOLY HENDRO Project Manager		ASBUILT DRAWING	
Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang							BK-R3-A-1
PT. WASKITA KARYA BWSS-V							
jica JICA							
TITLE : RIGHT ABUTMENT PROFILE & SECTION							
NAME OF WORKS : WORKS OF PARAK KOPI BRIDGE							
LOCATION : FLOOD RELIEF CHANNEL (BANJIR KANAL)							



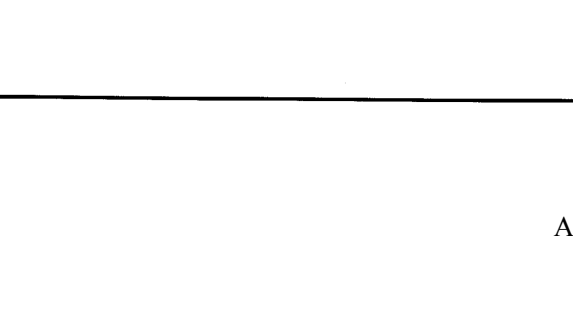
UPSTREAM SIDE VIEW SCALE 1:50



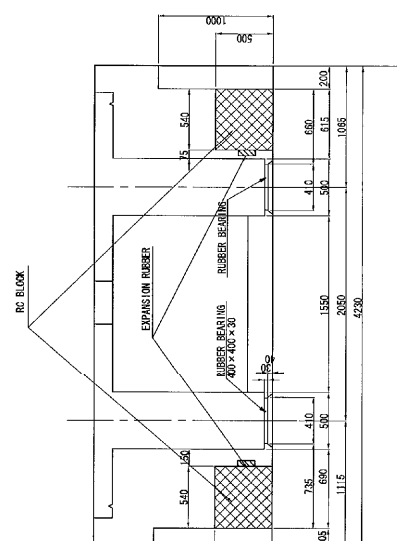
DOWNSTREAM SIDE VIEW SCALE 1:50



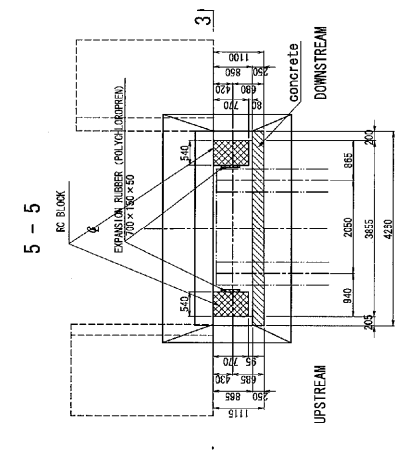
ELEVATION SCALE 1:50



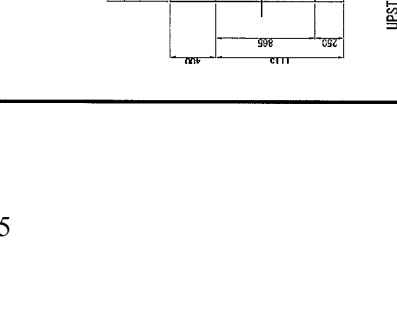
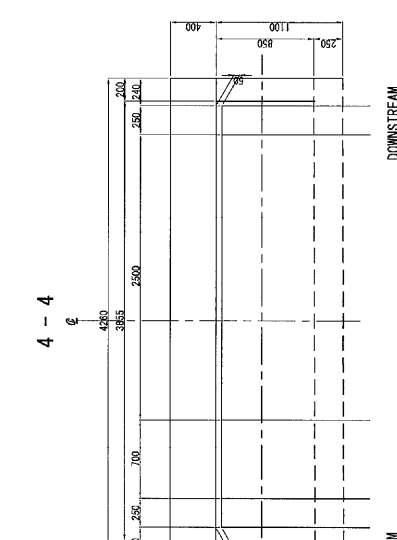
SURFACE SIDE VIEW SCALE 1:20



DETAIL OF BEARING SCALE 1:20

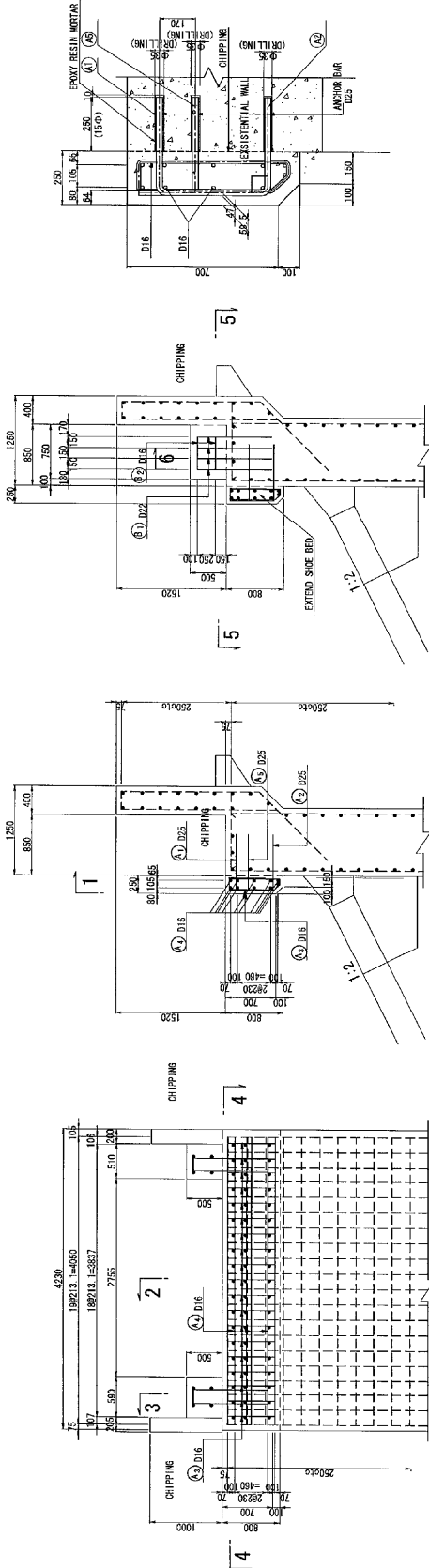


PLAN SCALE 1:50



LEFT ABUTMENT

 JICA BWSS-V	 PT. WASKITA KARYA	Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang	REV.	DATE	DESCRIPTION	BY	PROPOSED BY	APPROVED BY	ASBUILT DRAWING	SHEET NO.
							 Ir. LUTYENDRO Project Manager	 Yosang USUI The Engineer	LOCATION : FLOOD RELIEF CHANNEL (BANJIR KANAL) NAME OF WORKS : WORKS OF PARAK-KOPI BRIDGE TITLE : LEFT ABUTMENT PROFILE & SECTION	BK-R3-A2-7

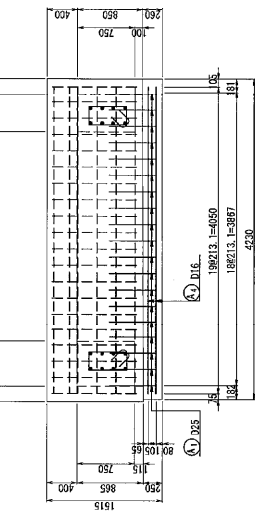


SECTION 1 - 1 SCALE 1:30

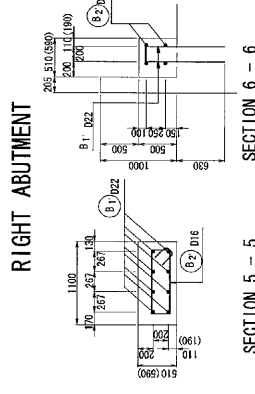
SECTION 2 - 2 SCALE 1:30

SECTION 3 - 3 SCALE 1:30

SECTION 4 - 4 SCALE 1:30



LEFT ABUTMENT



RIGHT ABUTMENT

SECTION 1 - 1 SCALE 1:30

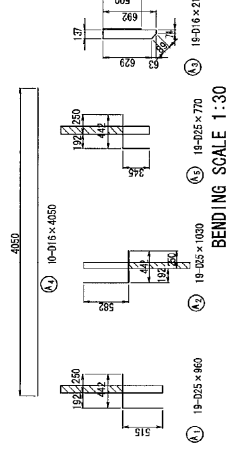
SECTION 2 - 2 SCALE 1:30

SECTION 3 - 3 SCALE 1:30

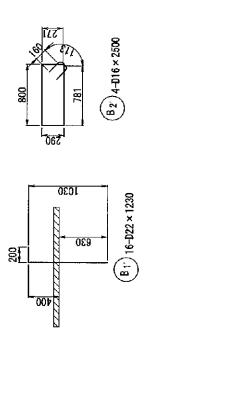
SECTION 4 - 4 SCALE 1:30

RE INFORCEMENT

NO	DIA	LENGTH (cm)	NUMBER	WEIGHT (kg/m)	WEIGHT (kg)	TOTAL WEIGHT (kg)	MARK
A1	D25	868	19	3.98	3.82	73	—
A2	D25	1008	19	3.98	4.00	78	—
A3	D16	2130	19	1.56	3.32	63	—
A4	D16	4980	10	1.56	6.32	63	—
A5	D25	770	19	3.98	3.15	59	—
						338	kg
B1	D25	1220	16	3.98	4.60	73.60	—
B2	D16	1980	4	1.56	3.06	12	—
						85.60	kg
B1'	D25	1220	16	3.98	4.03	79.33	—
B2'	D16	2580	4	1.56	4.02	16.10	—
						95.43	kg
						(33235)	
						365.40	kg
						0.00	kg
						154.60	kg
						520.01	kg



BENDING SCALE 1:30



SECTION 5 - 5 SCALE 1:30

SECTION 6 - 6 SCALE 1:30

SECTION 7 - 7 SCALE 1:30

SECTION 8 - 8 SCALE 1:30

SECTION 9 - 9 SCALE 1:30

SECTION 10 - 10 SCALE 1:30

SECTION 11 - 11 SCALE 1:30

SECTION 12 - 12 SCALE 1:30

SECTION 13 - 13 SCALE 1:30

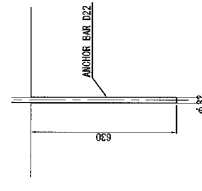
SECTION 14 - 14 SCALE 1:30

SECTION 15 - 15 SCALE 1:30

SECTION 16 - 16 SCALE 1:30

SECTION 17 - 17 SCALE 1:30

DETAIL OF ANCHOR BAR SCALE 1:10



ANCHOR BAR DET.

Republic of Indonesia
 Project for Post-earthquake Rehabilitation of
 Water Resources Management Facilities
 in Padang

BWSS-V
 PT. WASKITA KARYA

JICA
 JICA

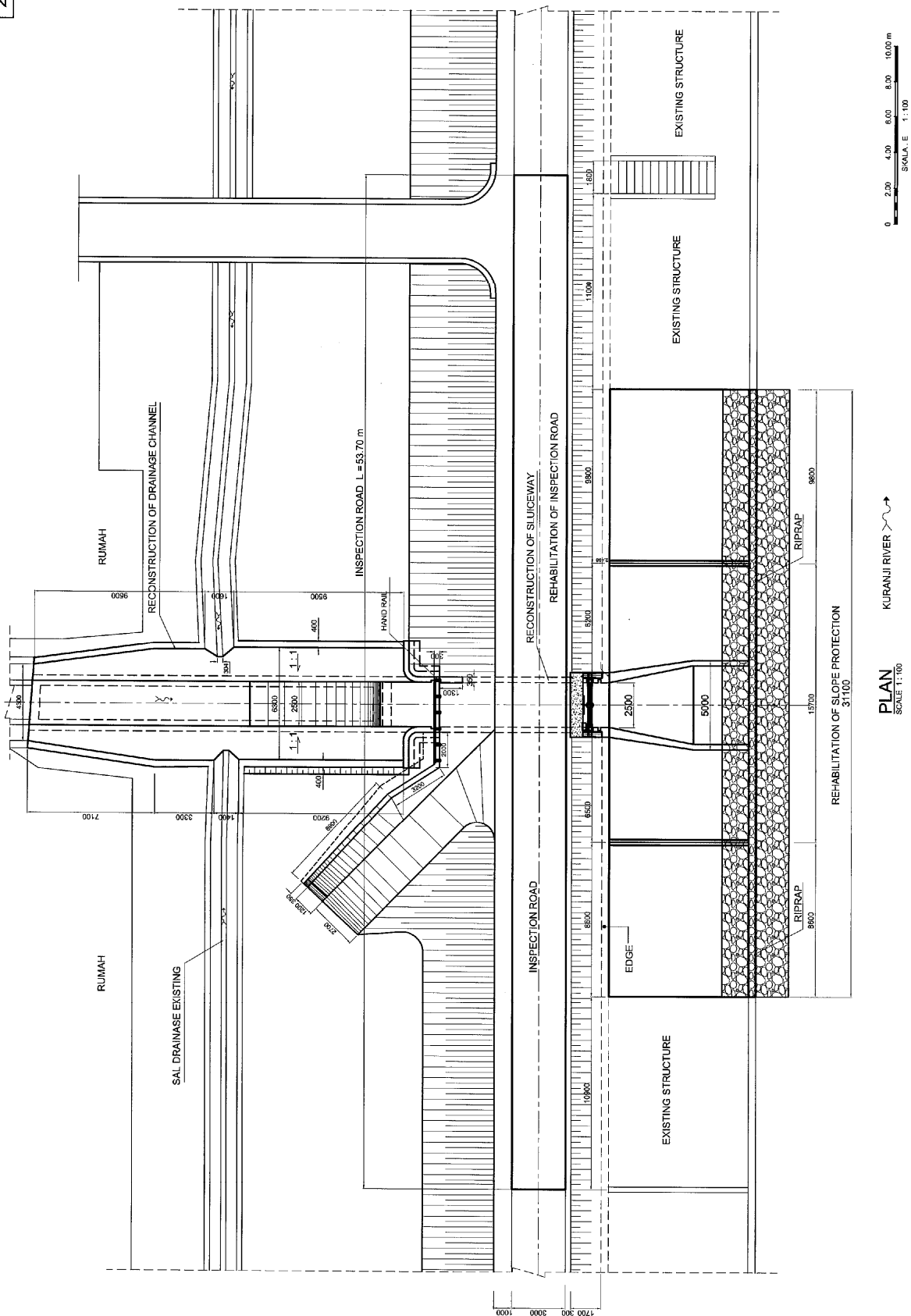
Ir. LOLY HENDRO
 Project Manager

Yesika USJI
 The Engineer

ASBUILT DRAWING

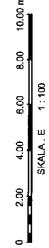
LOCATION : FLOOD RELIEF CHANNEL (BANUIR KANAL)
 NAME OF WORKS : WORKS OF PARAK KOPI BRIDGE
 TITLE : LEFT, RIGHT ABUTMENT BAR ARRANGEMENT

SHEET NO
 BK-R3-A2-2

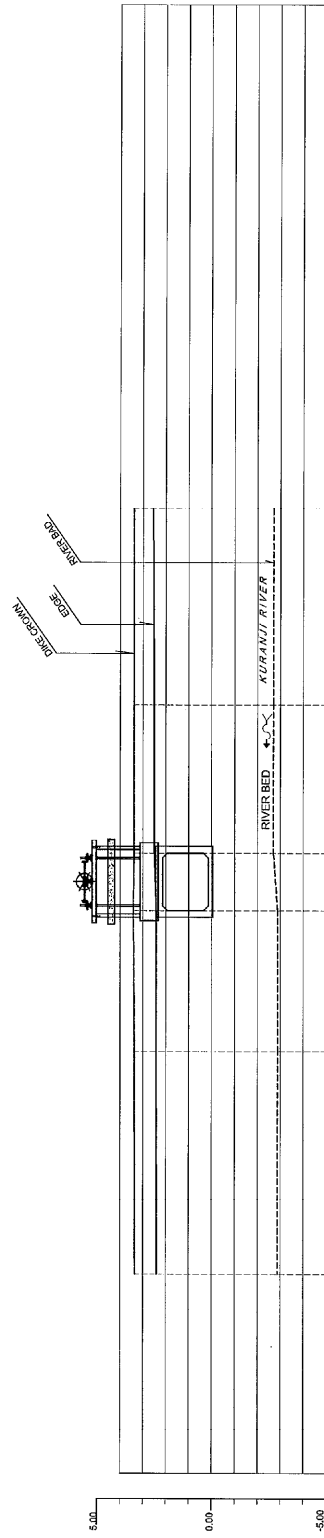


PLAN
SCALE 1:100

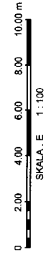
KURANJI RIVER







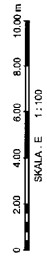
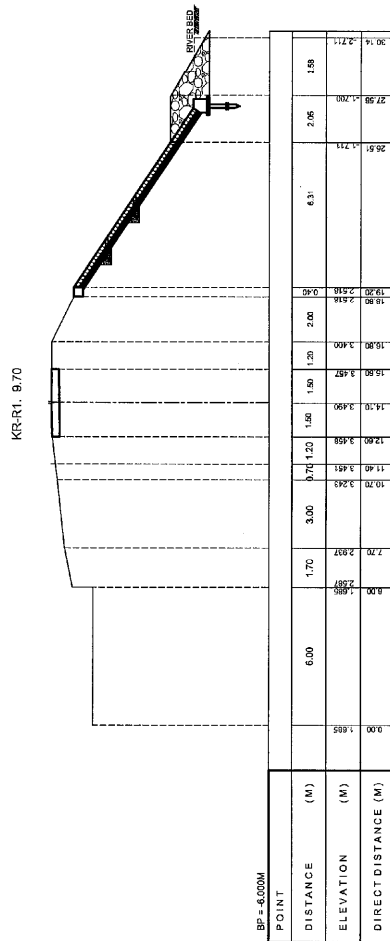
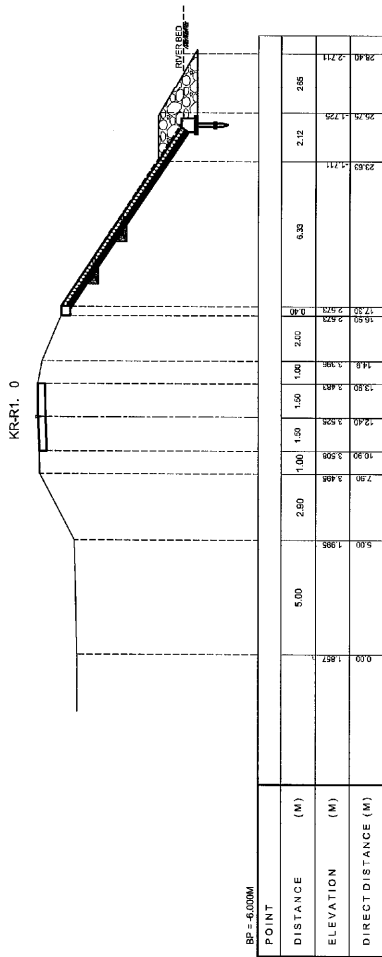
			Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang	REV.	DATE	DESCRIPTION	BY	PROPOSED BY	APPROVED BY	AS BUILT DRAWINGS	SHEET NO.
								DATE	DATE	DATE	DATE
								Mr. LELY HENDRO Project Manager	YOSHIMITSUJI The Engineer	NAME OF WORKS : WORKS AT SLUICeway K8 TITLE : PLAN	



EL. OF DIKE CROWN	EL. OF DIKE EDGE	EL. OF RIVER BED	CUMULATIVE DISTANCE (M) BETWEEN TWO SECTIONS	SECTION NO.
3.96	2.97	2.94	0.00	KR-F1 34.70
3.95	2.98	2.95	9.80	KR-F1 24.70
3.95	2.98	2.95	18.60	KR-F1 18.70
3.95	2.98	2.95	18.50	KR-F1 15.70
3.40	2.58	2.55	26.00	KR-F1 9.70
3.96	2.97	2.94	33.80	KR-F1 0

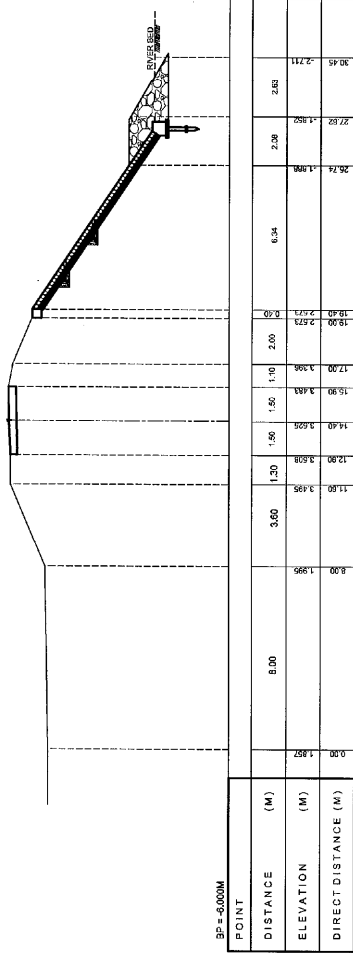


 JICA	 BWSS-V	 PT. WASKITA KARYA	Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang	REV. DATE DESCRIPTION BY	PROPOSED BY DATE I. L. L. HENDRO Project Manager	APPROVED BY DATE  Yusuf Jusuf The Engineer	SHEET NO KR - R1 - LP-1
			AS BUILT DRAWINGS				
			LOCATION : KURANJI RIVER				
			NAME OF WORKS : WORKS AT SLUICEWAY K8				
			TITLE : LONGITUDINAL PROFILE OF LEFT DIKE				

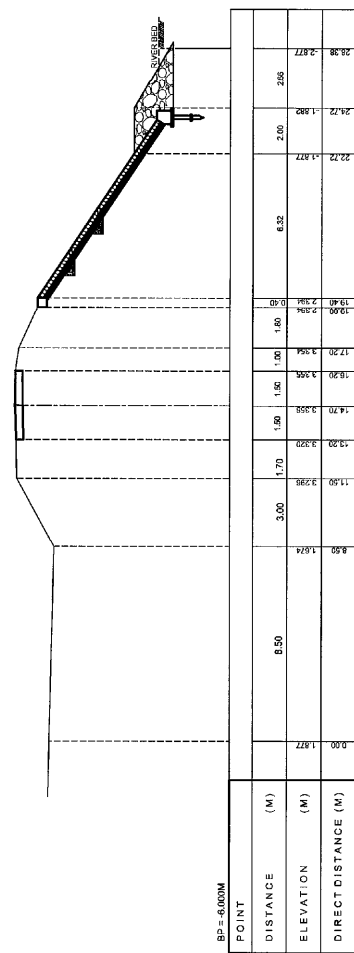


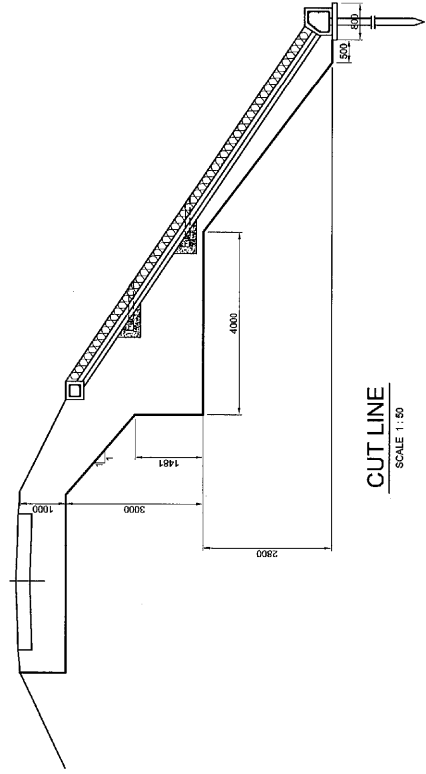
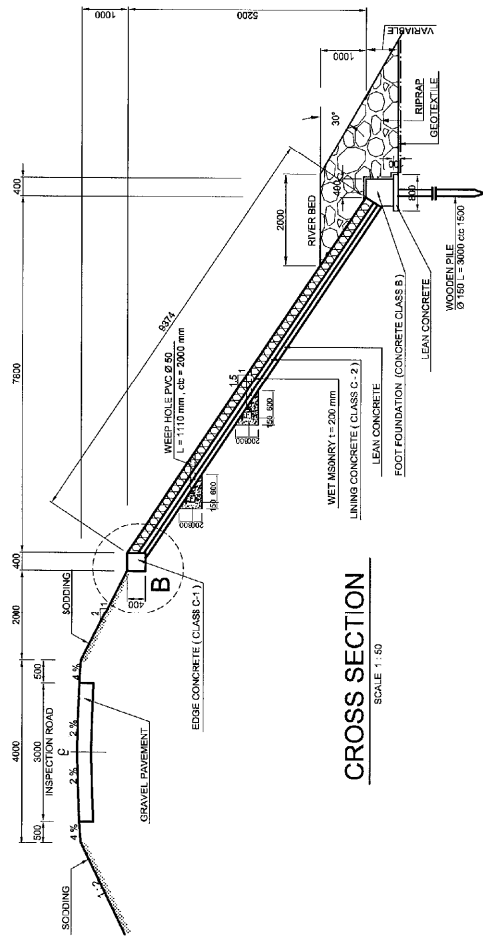
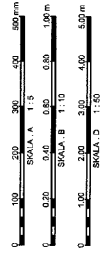
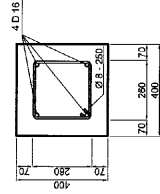
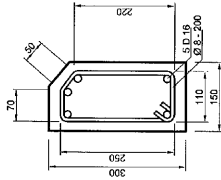
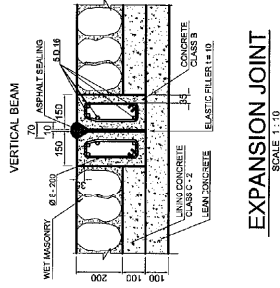
		Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang	REV.	DATE	DESCRIPTION	BY	PROPOSED BY	APPROVED BY	AS BUILT DRAWINGS	SHEET NO.
	PT. WASKITA KARYA						T. LOLY HENDRO Project Manager	Yoseph USUJI The Engineer	LOCATION : KURANJI RIVER NAME OF WORKS : WORKS AT SLUJCEWAY K8 TITLE : CROSS SECTION PROFILE OF LEFT DIKE	KR-R1 - CS-1-1

KRR1. 24.70

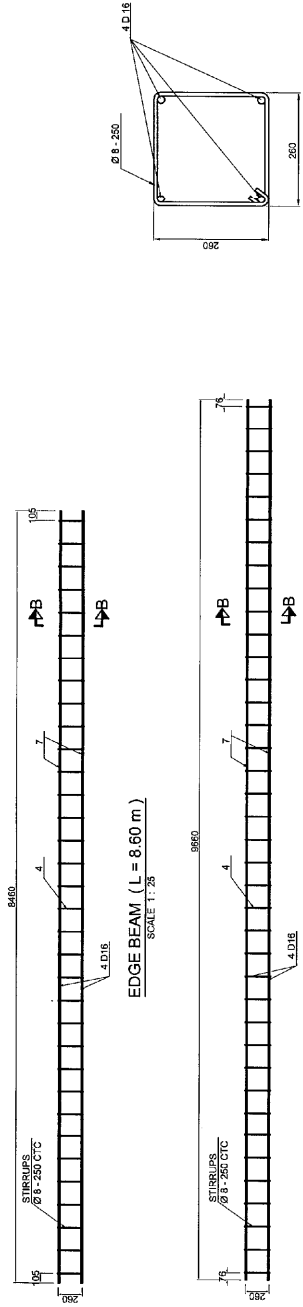


KRR1. 34.70

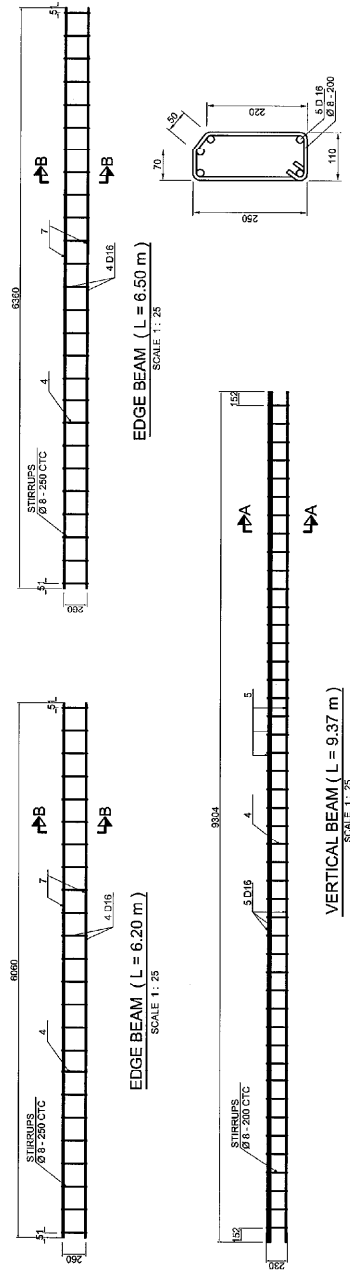




						Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang		AS BUILT DRAWINGS LOCATION : KURANJI RIVER NAME OF WORKS : WORKS AT SLUICEWAY K8 TITLE : SLOPE PROTECTION WET MASONRY		SHEET NO. KR - R1 - SP - 1-1
REV.	DATE	DESCRIPTION	BY	PROPOSED BY DATE	APPROVED BY DATE					
				F. LOJY HENDRO Project Manager	Yusuf USUI Eng Engineer					



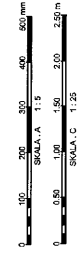
EDGE BEAM (SECTION B - B)
SCALE 1:5



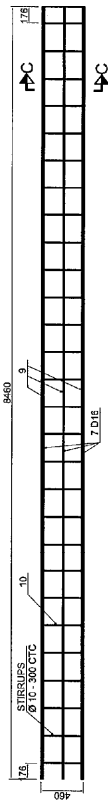
EDGE BEAM (SECTION A - A)
SCALE 1:5

REINFORCEMENT OF BAR

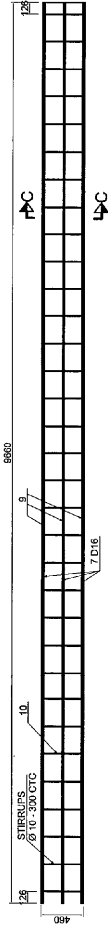
VERTICAL BEAM	REMARK	DIA (mm)	LENGTH (m)	PCS	Kg/m	TOTAL (Kg)
L = 8.37 m	4	8.8	0.18	47	0.40	14.66
	5	D-16	9.304	5	1.58	7.90
L = 9.80 m	4	8.8	1.12	39	0.40	17.47
	7	D-16	9.95	4	1.53	6.105
L = 6.20 m	4	8.8	1.12	24	0.40	10.75
	7	D-16	6.08	4	1.58	6.30
L = 6.50 m	4	8.8	1.12	34	0.40	15.23
	7	D-16	8.46	4	1.53	5.87
L = 6.50 m	4	8.8	1.12	26	0.40	11.20
	7	D-16	6.36	4	1.58	40.20



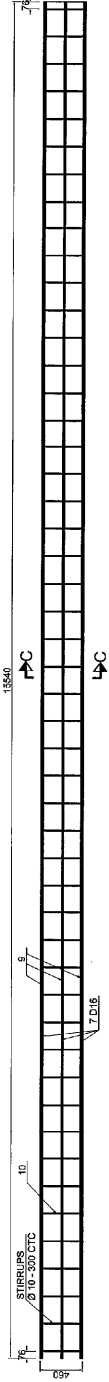
	Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang	REV. DATE DESCRIPTION BY	PROPOSED BY I. L. L. HENDRO Project Manager	APPROVED BY YOSRIANUSUI The Engineer	AS BUILT DRAWINGS LOCATION : KURANJI RIVER NAME OF WORKS : WORKS AT SLUCEWAY K8 TITLE : DETAIL REBAR OF SLOPE PROTECTION	SHEET NO. KR - RT - SP - 1-2
	PROJECT MANAGER: I. L. L. HENDRO THE ENGINEER: YOSRIANUSUI					



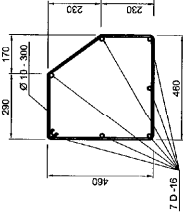
FOOT FOUNDATION (L = 8.60 m)
SCALE 1 : 25



FOOT FOUNDATION (L = 9.80 m)
SCALE 1 : 25



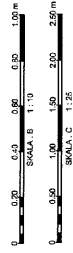
FOOT FOUNDATION (L = 15.70 m)
SCALE 1 : 25






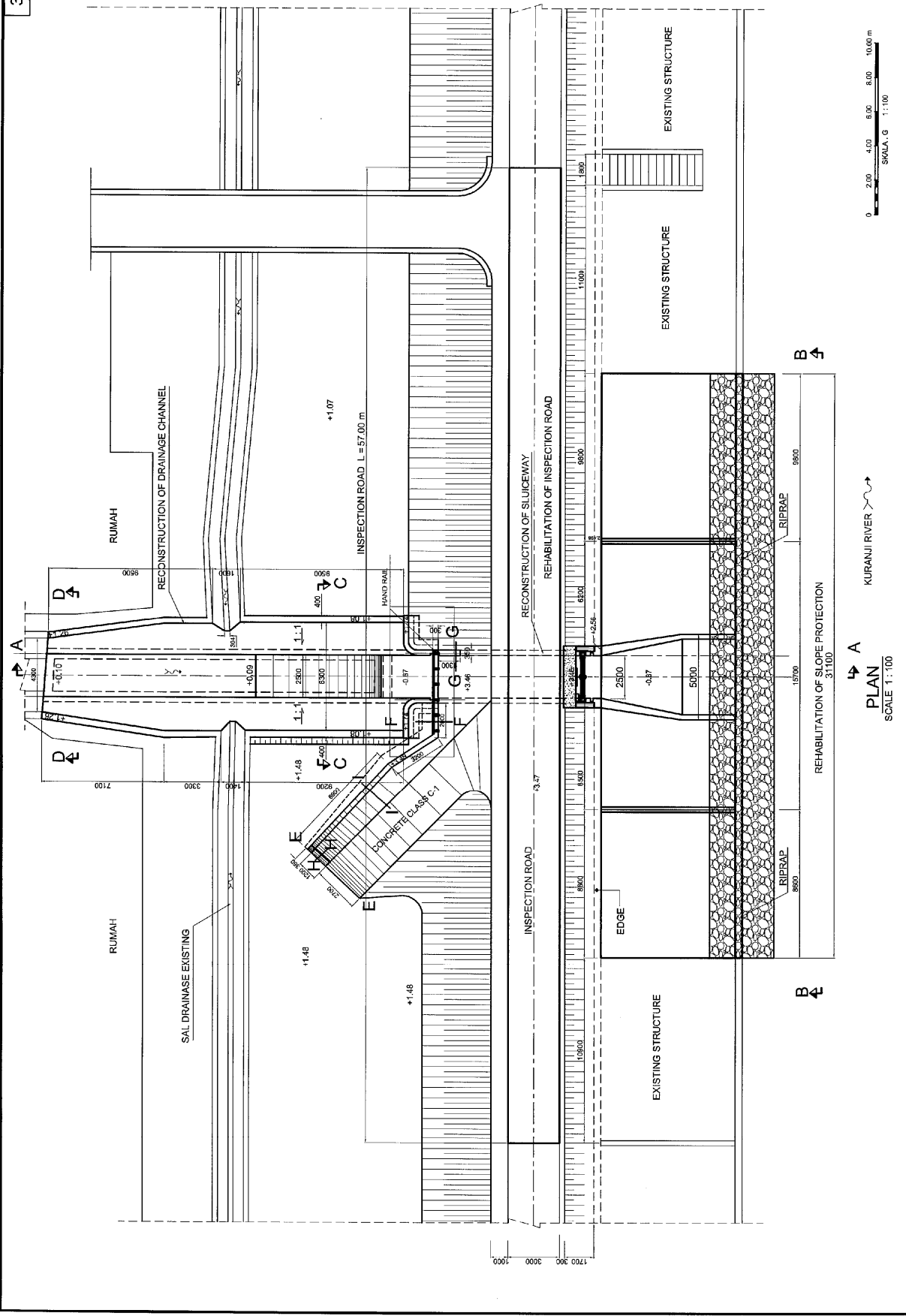
FOOT FOUNDATION (SECTION C - C)
SCALE 1 : 10

REINFORCEMENT OF BAR

REMARK	DIA (mm)	LENGTH (m)	PCS	Kg/m	TOTAL (Kg)
FOOT FOUNDATION L = 8.60 m	Ø 10	1.96	28	0.62	32.29
	D 16	8.46	7	1.59	93.57
FOOT FOUNDATION L = 9.80 m	Ø 10	1.96	32	0.62	38.90
	D 16	9.86	7	1.59	108.84
FOOT FOUNDATION L = 15.70 m	Ø 10	1.96	52	0.62	59.97
	D 16	14.35	7	1.59	109.21

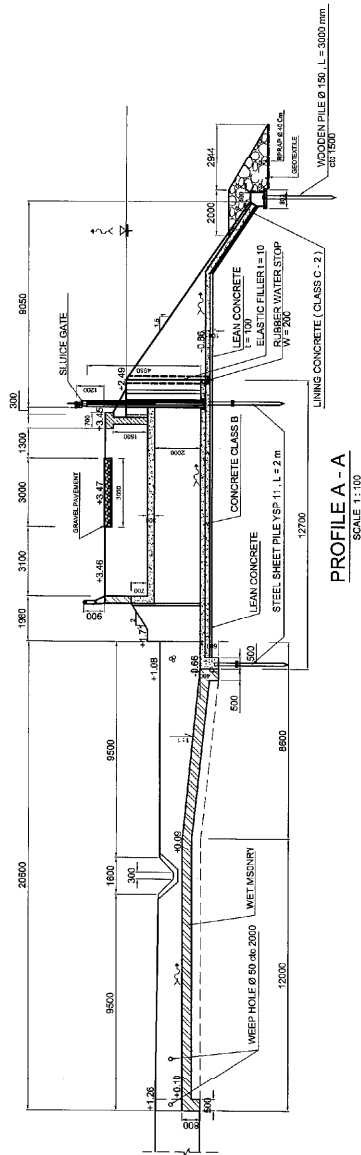


 JICA BWSS-V	 WASKITA PT. WASKITA KARYA	Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang	PROPOSED BY DATE H. LOY HENDRO Project Manager	APPROVED BY DATE  Yusuf Jusuf The Engineer	SHEET NO. AS BUILT DRAWINGS LOCATION : KURANJI RIVER NAME OF WORKS : WORKS AT SLUICEWAY K8 TITLE : DETAIL REBAR OF SLOPE PROTECTION KR-PT-SP-1-3
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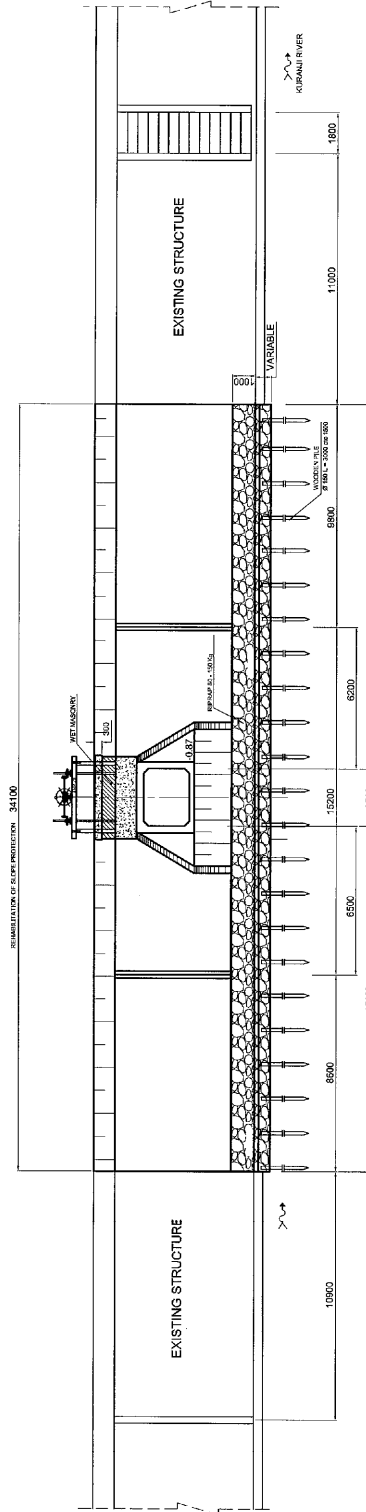


PLAN
SCALE 1 : 100

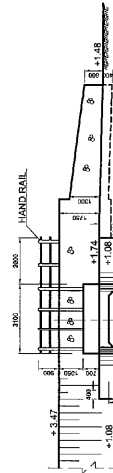
JICA BWSS-V	Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang	REV.	DATE	DESCRIPTION	BY	APPROVED BY	DATE	AS BUILT DRAWINGS	SHEET NO.
									LOCATION : KURANJI RIVER NAME OF WORKS : WORKS AT SLUICeway K8 TITLE : PLAN
WASKITA PT. WASKITA KARYA						Project Manager			
						The Engineer			



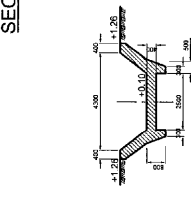
PROFILE A-A
SCALE 1:100



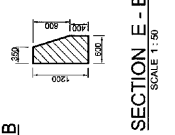
SECTION B-B
SCALE 1:100



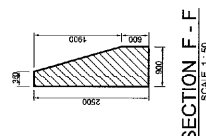
SECTION C-C
SCALE 1:100



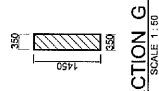
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SCALE 1:100



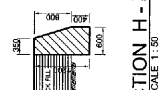
SECTION E-E
SCALE 1:50



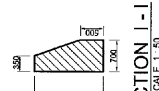
SECTION F-F
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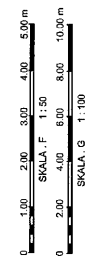
SECTION G-G
SCALE 1:50



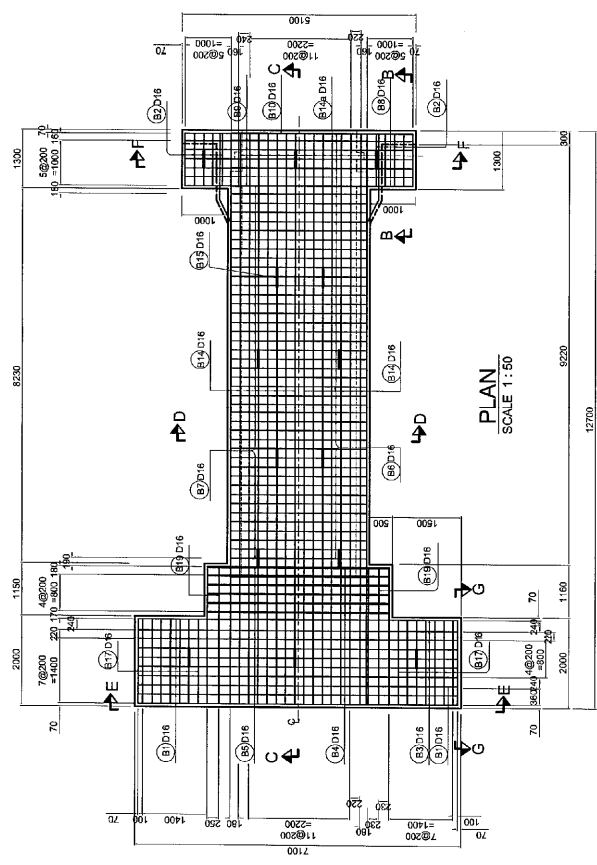
SECTION H-H
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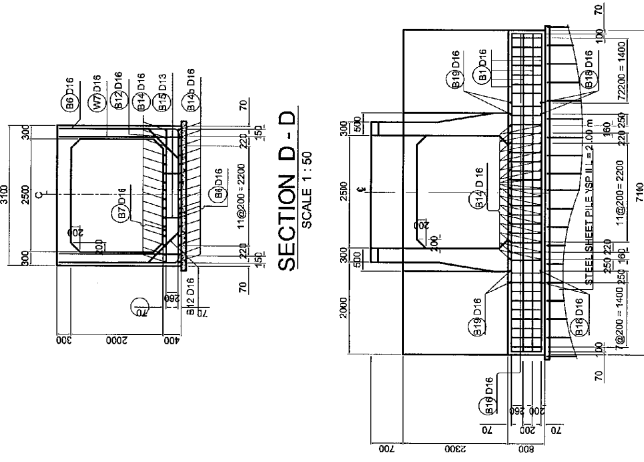
SECTION I-I
SCALE 1:50



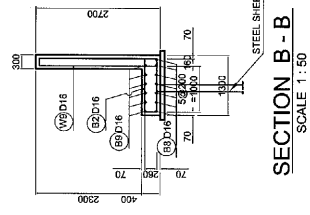
		Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang	REV.	DATE	DESCRIPTION	BY	PROPOSED BY	APPROVED BY	AS BUILT DRAWINGS LOCATION : KURANJI RIVER NAME OF WORKS : WORKS AT SLUICEWAY K3 TITLE : SECTION	SHEET NO. KR-RT-S-12



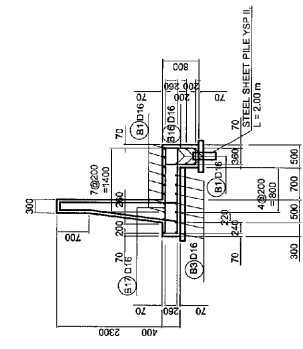
PLAN
SCALE 1:50



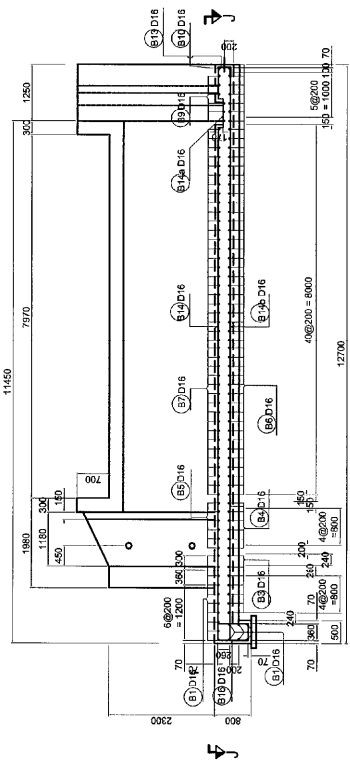
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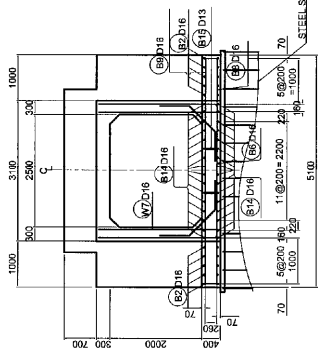
SECTION B-B
SCALE 1:50



SECTION G-G
SCALE 1:50



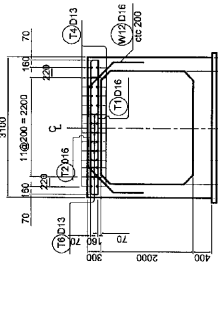
SECTION C-C
SCALE 1:50



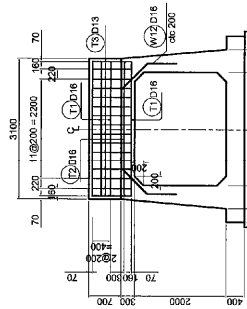
SECTION F-F
SCALE 1:50



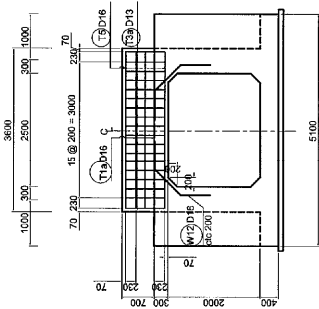
JICA BWSSV WASKITA PT. WASKITA KARYA	Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang	REV.	DATE	DESCRIPTION	BY	PROPOSED BY	APPROVED BY	AS BUILT DRAWINGS	SHEET NO.
									LOCATION : KURANJI RIVER NAME OF WORKS : WORKS AT SLUCEWAY K8 TITLE : RE-BAR ARRANGEMENT



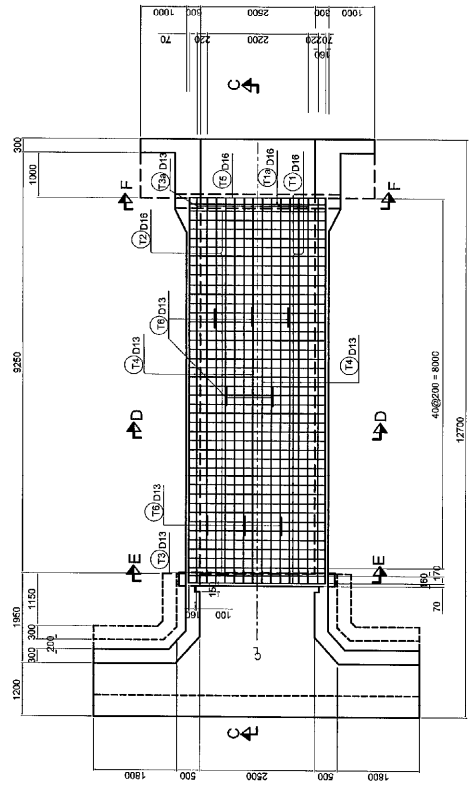
SECTION D - D
SCALE 1 : 50



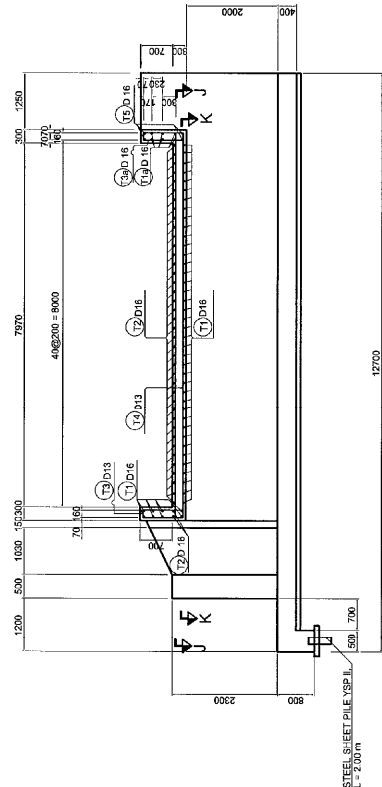
SECTION E - E
SCALE 1 : 50



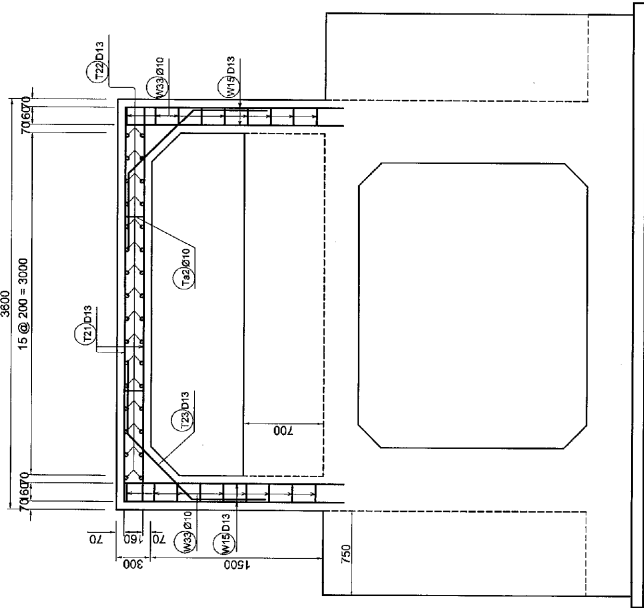
SECTION F - F
SCALE 1 : 50



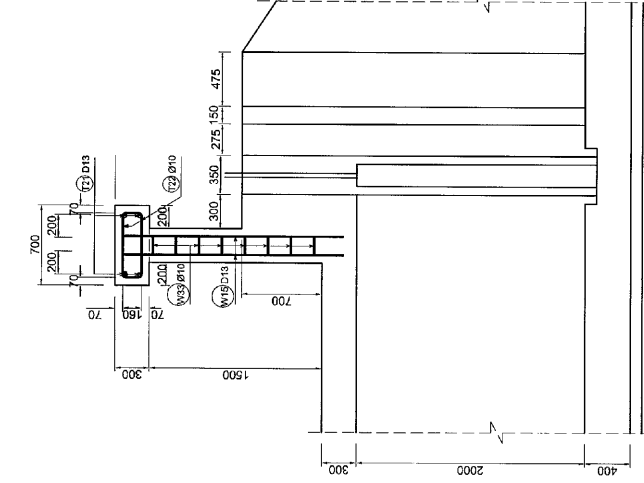
SECTION C - C
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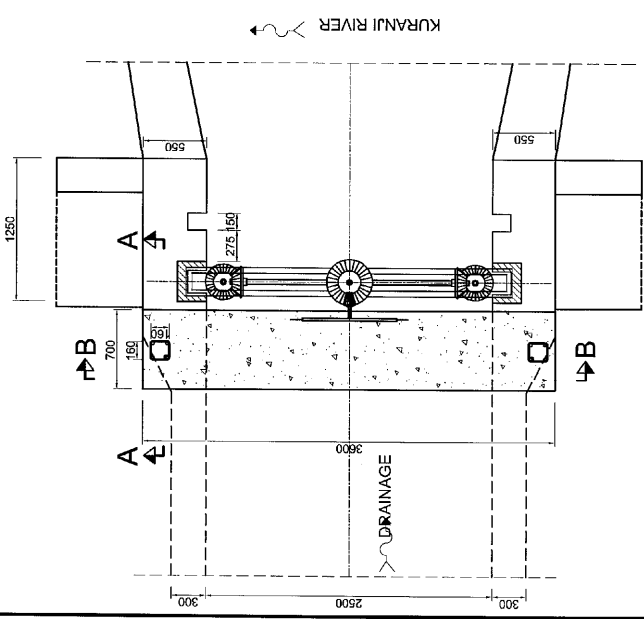
 JICA BWSS-V	 PT. WASKITA KARYA	Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang				REV. DATE DESCRIPTION BY	PROPOSED BY DATE TEJO HENDRO YUDIANTO Project manager	APPROVED BY DATE YOSEPH USUI The Engineer	AS BUILT DRAWINGS LOCATION : KURANJI RIVER NAME OF WORKS : WORKS AT SLUCEWAY K8 TITLE : RE-BAR ARRANGEMENT	SHEET NO. RF - R1 - SL-18
		SCALE 1 : 50								



SECTION B - B
SCALE 1:20



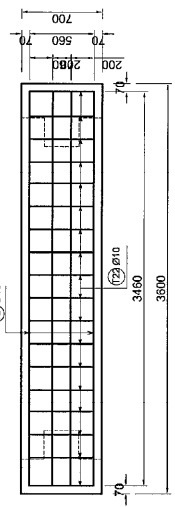
SECTION A - A
SCALE 1:20



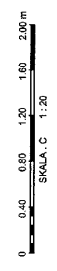
PLAN BRIDGE SERVICE
SCALE 1:20

REINFORCEMENT BENDING SCHEDULE

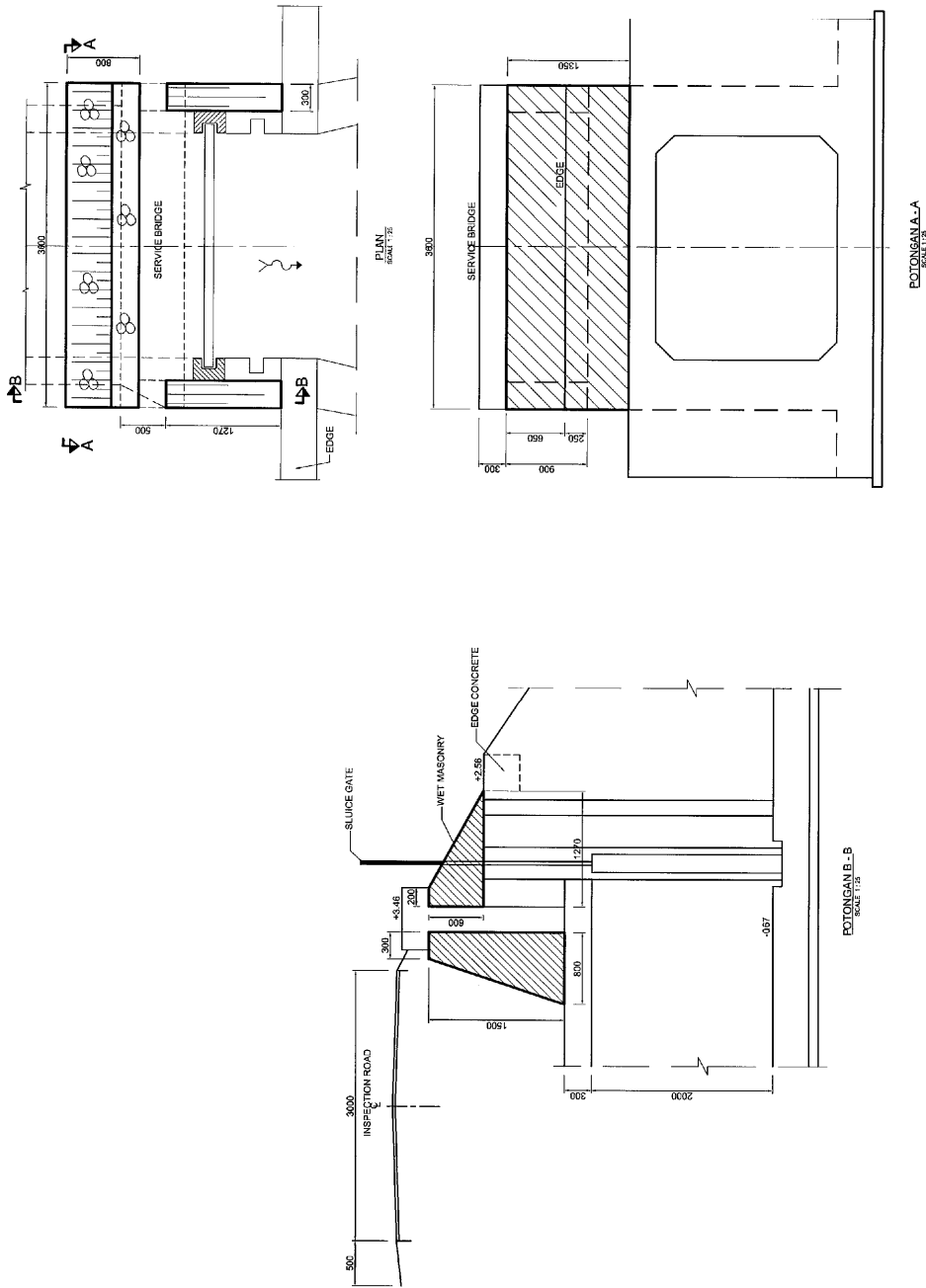
No.	MARK	TYPE	Nos. of BAR	DIA (mm)	BENDING SCHEDULE (mm)						TOTAL LENGTH (m)	TOTAL WEIGHT (Kg)		
					a	b	c	d	e	f				
1	T21	A	8	13	3540	0	0	0	0	3540	283.2	1.04	28.45	
2	T22	D	16	10	50	160	580	160	560	50	1540	27.2	0.62	17.19
3	T23	F	3	13	640	795	640	0	0	2073	8.29	1.04	8.62	
4	T24	T	4	10	50	98	294	98	50	0	586	1.17	0.62	0.73
5	W15	E	8	13	1630	60	0	0	0	1920	23.34	1.04	23.96	
6	W15	E	8	13	1630	60	0	0	0	1920	23.34	1.04	23.96	
7	W33	D	18	10	50	160	160	160	160	50	740	7.43	0.62	4.59
BERAT TOTAL											84.54	Kg		



FRONT UP
SCALE 1:20



			Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang	AS BUILT DRAWINGS LOCATION : KURANJI RIVER NAME OF WORKS : WORKS AT SLUICEWAY K3 TITLE : RE-BAR ARRANGEMENT OF BRIDGE SERVICE	SHEET NO. KR-R'-S4-19
JICA JICA	BWSS-V BWSS-V	WASKITA PT. WASKITA KARYA	Approved by: Yoseph USUI The Engineer	Approved by: F. LOLY HENDRO Project Manager	DATE: _____ DATE: _____

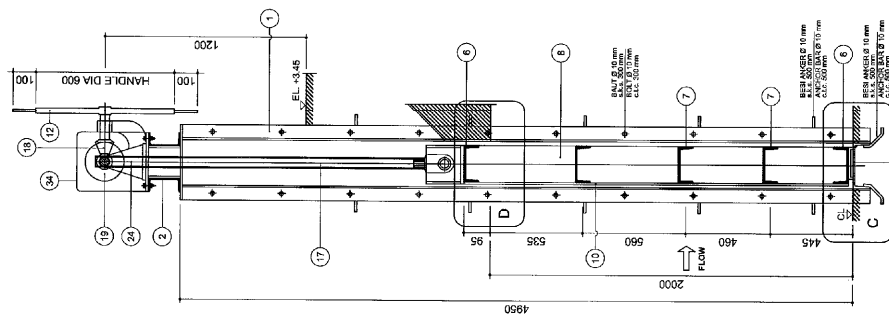


JICA BWSS-V WASKITA KARYA PT. WASKITA KARYA	Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang	REV.	DATE	DESCRIPTION	BY	PROPOSED BY DATE	APPROVED BY DATE	AS BUILT DRAWINGS	SHEET NO.
		I. LILY HENDRO Project Manager	Y. HENDRI USUJI The Engineer	LOCATION : KURANJI RIVER NAME OF WORKS : WORKS AT SLUICEWAY K8 TITLE : RETAINING WALL	KR - R1 - S1 - 1.10				

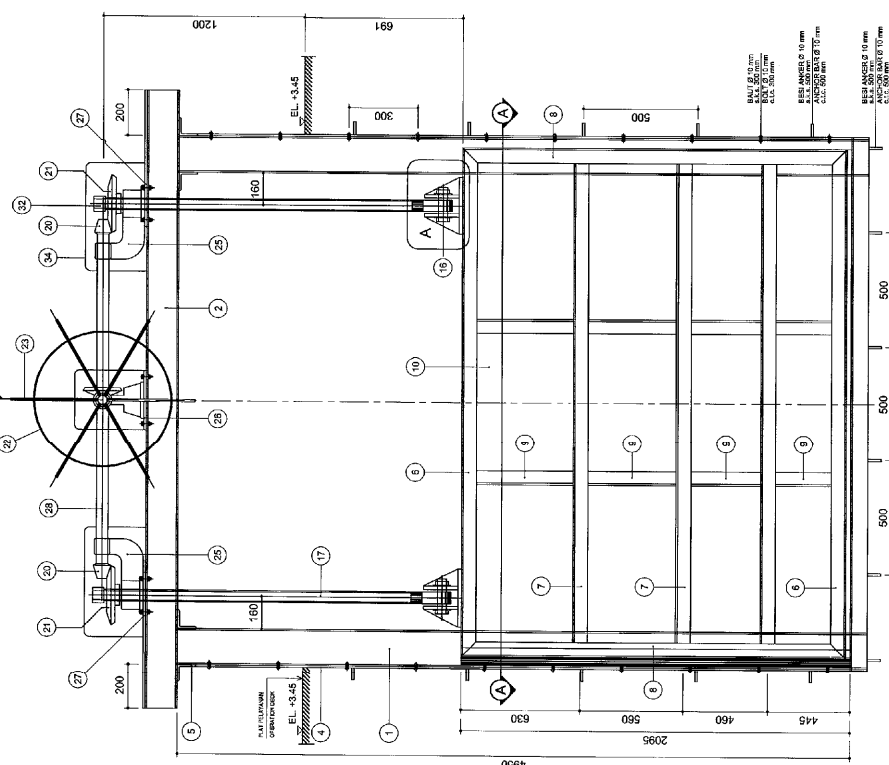
PART / COMPONENT OF SLUICE GATE

PART NO	QTY	NAME	MATERIAL	SIZE
1	4	SIDE GUIDE FRAME	SUS -41	UNP-120.56.6
2	2	UPPER FRAME	SUS -41	UNP-140.60.7
3	1	BOTTOM FRAME	SUS -41	UNP-140.60.7
4	2	SPRUE PLATE	SUS -41	PL-6
5	4	BRACE ANGLE	SUS -41	L80.80.8
6	2	UPPER / LOWER BEAM	SUS -41	UNP-100.50.5
7	2	MIDDLE BEAM	SUS -41	UNP-100.50.5
8	2	SIDE BEAM	SUS -41	UNP-100.50.5
9	3	VERTICAL BEAM	SUS -41	UNP-100.50.5
10	1	SKID PLATE	SUS -41	PL-6
11	2	CLIPS PLATE	SUS -41	PL-8
12	2	CLIPS PLATE	SUS -41	PL-8
13	2	P-TYPE RUBBER SEAL	RUBBER	95.5.35
14	1	U-TYPE RUBBER SEAL	RUBBER	80.1.20
15	2	SOUNDING PLATE	BRONZE	40.2.10
16	2	BOLT / NUT	SUS -50	M40 L=150
17	2	VERTICAL SCREW SPINDLE	SUS -304	TR-50 X 12
18	1	UMBRELLA GEAR (FIRST)	BEST IRON	Z = 15; M = 10
19	1	UMBRELLA GEAR (SECOND)	BEST IRON	Z = 30; M = 10
20	2	PINION GEAR (FIRST)	BEST IRON	Z = 32; M = 10
21	2	UMBRELLA GEAR (SECOND)	BEST IRON	Z = 52; M = 10
22	1	HANDLE RM PLATE	SUS -41	40 X 5; DIA = 600
23	5	HANDLE BAR	SUS -41	Dim 18 ; L = 400
24	1	TRANSMISSION BLOCK (FIRST)	BEST IRON	
25	2	TRANSMISSION BLOCK (SECOND)	BEST IRON	
26	1	TRANSMISSION BASE PLATE (FIRST)	BEST IRON	Thickness = 8
27	2	TRANSMISSION BASE PLATE (SECOND)	BEST IRON	Thickness = 8
28	1	HORIZONTAL SCREW SPINDLE	SUS -304	Dim 40
29	2	LIFT BASE PLATE	SUS -41	
30	8	STIFF PLATE	SUS -41	
31	4	STOPPER RING	SUS -41	Dim 50
32	2	P-TYPE RUBBER SEAL	RUBBER	
33	1	U-TYPE RUBBER SEAL	RUBBER	
34	3	GEAR COVER	SUS -41	

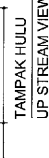
REMARKS :
 CL = GREST LEVEL (BOTTOM ELEVATION)
 WL = WATER LEVEL
 DL = DECK LEVEL (OPERATION DECK ELEVATION)



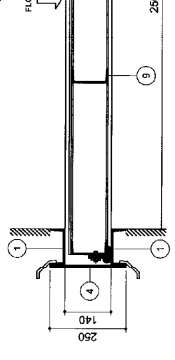
POTONGAN B - B
 SKALA A



TAMPAK HILIR
 DOWN STREAM VIEW
 SKALA A

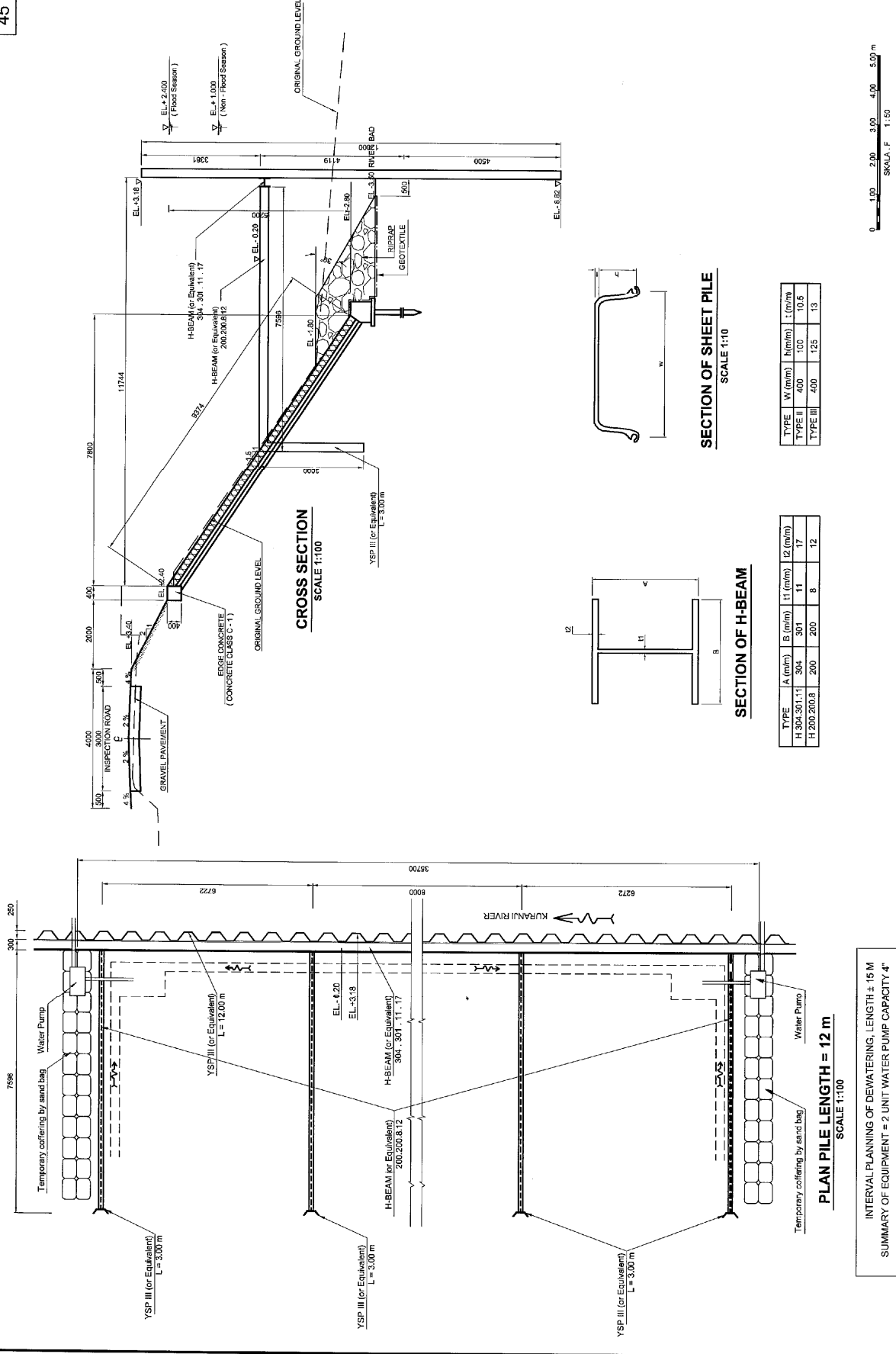


TAMPAK HULU
 UP STREAM VIEW
 SKALA A

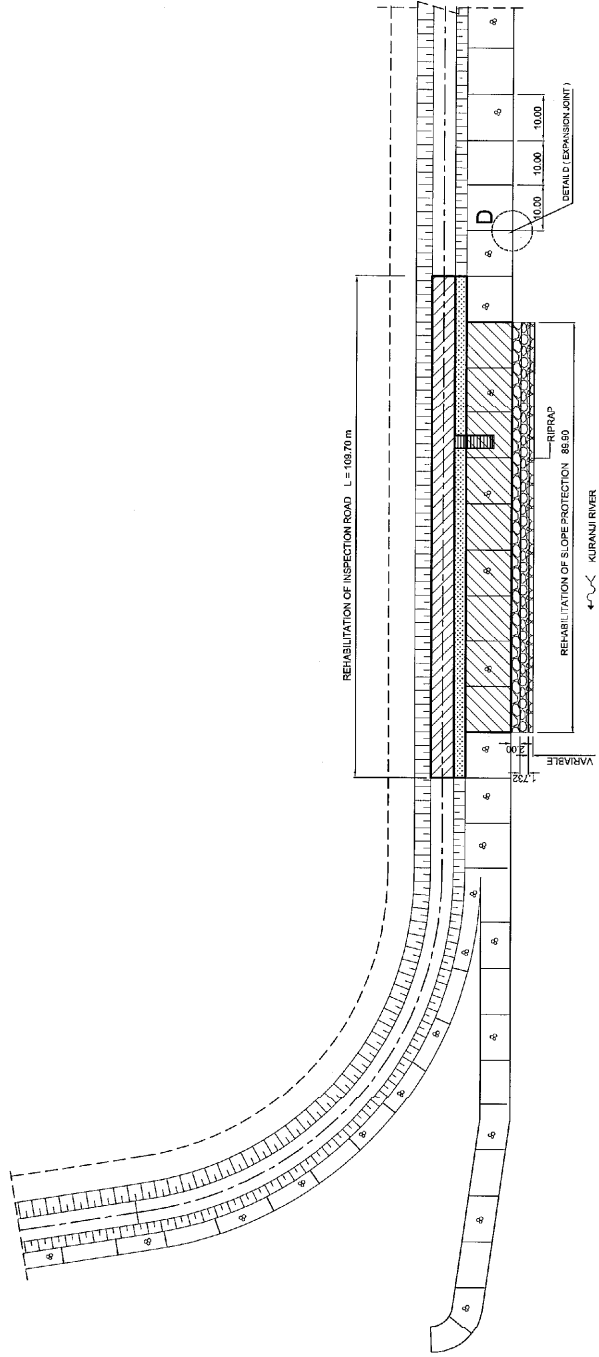


POTONGAN A - A
 SKALA A

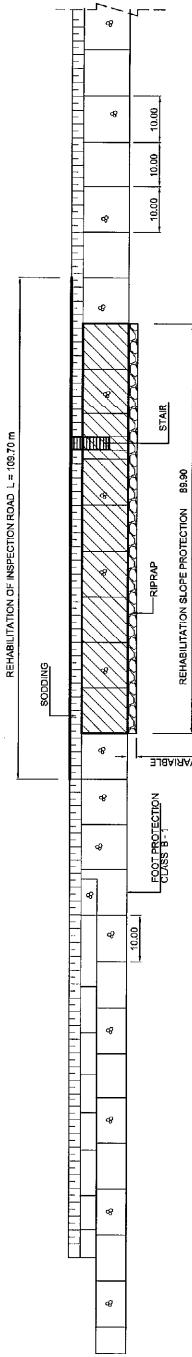
	Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang	REV. DATE DESCRIPTION BY	PROPOSED BY DATE T. LOLY HENDRO Project Manager	APPROVED BY DATE Y. HUSNI Project Engineer	AS BUILT DRAWINGS LOCATION : KURANJI RIVER NAME OF WORKS : WORKS AT SLUICEWAY K8 TITLE : DETAIL AND SECTION OF SLUICE GATE	SHEET NO. KR - RI - SL - 1-12
	JICA BWSS-V PT. WASKITA KARYA	POTONGAN B - B SECTION SKALA A	POTONGAN A - A SECTION SKALA A	TAMPAK HILIR DOWN STREAM VIEW SKALA A	TAMPAK HULU UP STREAM VIEW SKALA A	POTONGAN B - B SECTION SKALA A



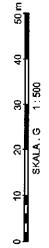
JICA BWSS-V PT. WASKITA KARYA	Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang	REV.	DATE	DESCRIPTION	BY	PROPOSED BY I. LILY HENDRO Project Manager	APPROVED BY Y. LISUI Site Engineer	AS BUILT DRAWINGS LOCATION : KURANJI RIVER NAME OF WORKS : WORKS AT SLUICEWAY K8 TITLE : PLAN & SECTION OF TEMPORARY COFFERING	SHEET NO. KR-R1-TC-1
		1	17	17	17	17	17	17	



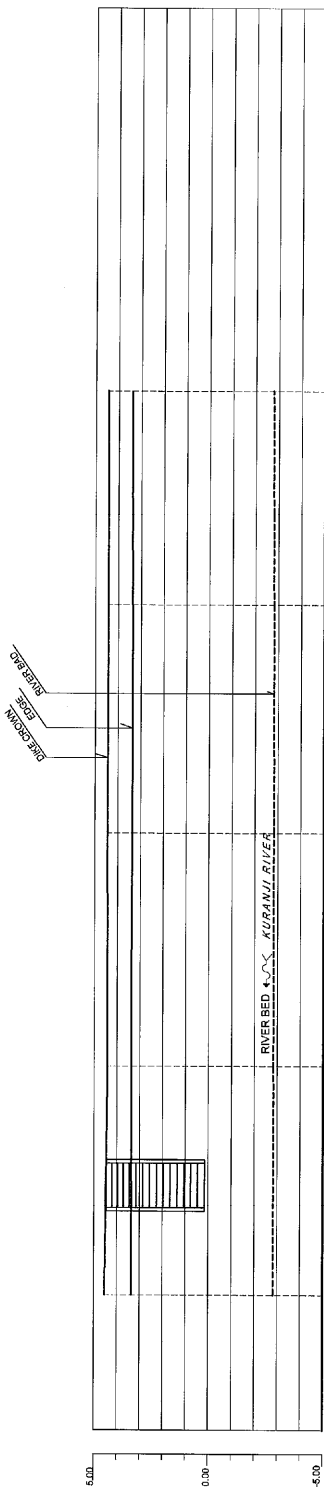
PLAN
SCALE 1 : 500



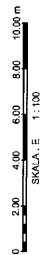
FRONT VIEW
SCALE 1 : 500



JICA BWSS-V PT. WASKITA KARYA		Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang		REV. DATE DESCRIPTION BY PROPOSED BY APPROVED BY (Empty rows for revision table)	PROJECT MANAGER TERRY HENDRO Project Manager	THE ENGINEER YUSUF USUI The Engineer	AS BUILT DRAWINGS LOCATION : KURANJI RIVER NAME OF WORKS : WORKS AT DOWNSTREAM SITE OF NANGGALO BRIDGE TITLE : PLAN	SHEET NO. KR - R2 - P-1
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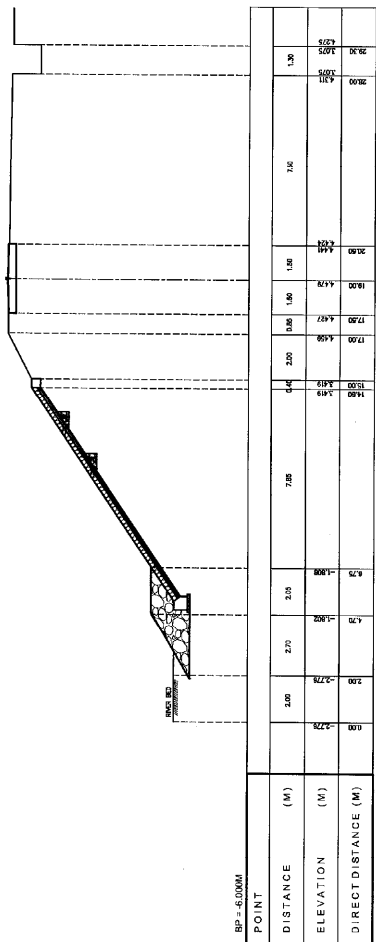


EL OF DIKE CROWN	EL OF RIVER BAD	CUMULATIVE DISTANCE (M) AS BUILT (M)	SECTION NO.
5.00	2.840	2.398	KR.R2 39.80
0.00	2.828	3.375	KR.R2 29.75
-5.00	2.827	3.985	KR.R2 19.60
	2.814	3.303	KR.R2 9.60
	2.778	3.419	KR.R2 0

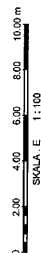
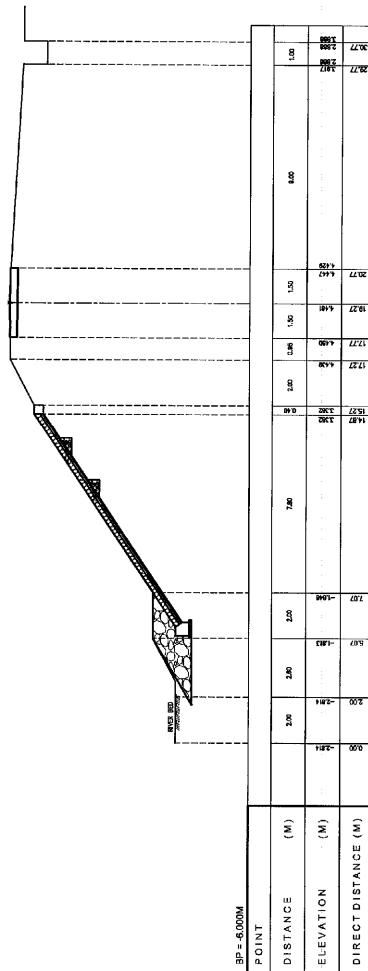







JICA	BWSS-V	WASKITA PT. WASKITA KARYA	Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang		REV. DATE DESCRIPTION BY	APPROVED BY DATE Yusuf Yusuf The Engineer	PROPOSED BY DATE Ir. Hery Hendoro Project Manager	AS BUILT DRAWINGS	SHEET NO. KR-R2-UP-12
			LOCATION : KURANJI RIVER	NAME OF WORKS : WORKS AT DOWNSTREAM SITE OF MANGALO BRIDGE				TITLE : LONGITUDINAL PROFILE OF RIGHT DIKE	

KR-R2: 0

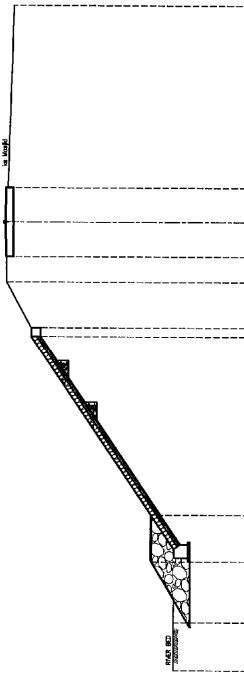


KR-R2: 9.60



 JICA	 BWSS-V	 PT. WASKITA KARYA	Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang	REV. DATE DESCRIPTION BY	PROPOSED BY DATE  H. TOHY HENDRO Project Manager	APPROVED BY DATE  Y. H. USUI The Engineer	AS BUILT DRAWINGS LOCATION : KURANJI RIVER NAME OF WORKS : WORKS AT DOWNSTREAM SITE OF MANGALO BRIDGE TITLE : CROSS SECTION PROFILE OF RIGHT DIKE	SHEET NO. KR - R2 - CS 1-1
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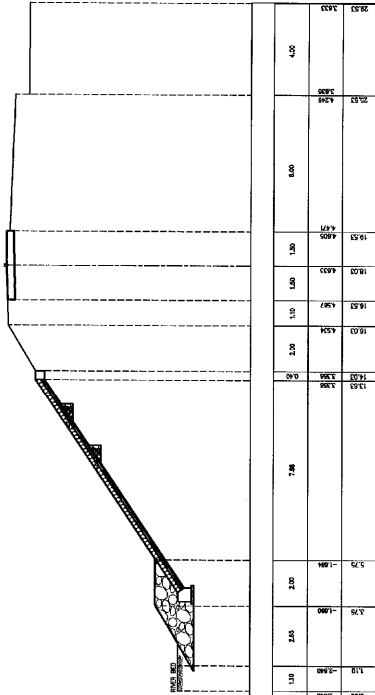
KR-R2: 19.60



BP = 6.000M

POINT	DISTANCE (M)	ELEVATION (M)	DIRECT DISTANCE (M)
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19.54	1.00	19.48	1.00
19.54	1.50	19.42	1.50
19.54	2.00	19.36	2.00
19.54	2.48	19.30	2.48
19.54	2.98	19.24	2.98
19.54	3.48	19.18	3.48
19.54	3.98	19.12	3.98
19.54	4.48	19.06	4.48
19.54	4.98	19.00	4.98
19.54	5.48	18.94	5.48
19.54	5.98	18.88	5.98
19.54	6.48	18.82	6.48
19.54	6.98	18.76	6.98
19.54	7.48	18.70	7.48
19.54	7.98	18.64	7.98
19.54	8.48	18.58	8.48
19.54	8.98	18.52	8.98
19.54	9.48	18.46	9.48
19.54	9.98	18.40	9.98
19.54	10.48	18.34	10.48
19.54	10.98	18.28	10.98
19.54	11.48	18.22	11.48
19.54	11.98	18.16	11.98
19.54	12.48	18.10	12.48
19.54	12.98	18.04	12.98
19.54	13.48	17.98	13.48
19.54	13.98	17.92	13.98
19.54	14.48	17.86	14.48
19.54	14.98	17.80	14.98
19.54	15.48	17.74	15.48
19.54	15.98	17.68	15.98
19.54	16.48	17.62	16.48
19.54	16.98	17.56	16.98
19.54	17.48	17.50	17.48
19.54	17.98	17.44	17.98
19.54	18.48	17.38	18.48
19.54	18.98	17.32	18.98
19.54	19.48	17.26	19.48
19.54	19.98	17.20	19.98
19.54	20.48	17.14	20.48
19.54	20.98	17.08	20.98
19.54	21.48	17.02	21.48
19.54	21.98	16.96	21.98
19.54	22.48	16.90	22.48
19.54	22.98	16.84	22.98
19.54	23.48	16.78	23.48
19.54	23.98	16.72	23.98
19.54	24.48	16.66	24.48
19.54	24.98	16.60	24.98
19.54	25.48	16.54	25.48
19.54	25.98	16.48	25.98
19.54	26.48	16.42	26.48
19.54	26.98	16.36	26.98
19.54	27.48	16.30	27.48
19.54	27.98	16.24	27.98
19.54	28.48	16.18	28.48
19.54	28.98	16.12	28.98
19.54	29.48	16.06	29.48
19.54	29.98	16.00	29.98
19.54	30.48	15.94	30.48
19.54	30.98	15.88	30.98
19.54	31.48	15.82	31.48
19.54	31.98	15.76	31.98
19.54	32.48	15.70	32.48
19.54	32.98	15.64	32.98
19.54	33.48	15.58	33.48
19.54	33.98	15.52	33.98
19.54	34.48	15.46	34.48
19.54	34.98	15.40	34.98
19.54	35.48	15.34	35.48
19.54	35.98	15.28	35.98
19.54	36.48	15.22	36.48
19.54	36.98	15.16	36.98
19.54	37.48	15.10	37.48
19.54	37.98	15.04	37.98
19.54	38.48	14.98	38.48
19.54	38.98	14.92	38.98
19.54	39.48	14.86	39.48
19.54	39.98	14.80	39.98
19.54	40.48	14.74	40.48
19.54	40.98	14.68	40.98
19.54	41.48	14.62	41.48
19.54	41.98	14.56	41.98
19.54	42.48	14.50	42.48
19.54	42.98	14.44	42.98
19.54	43.48	14.38	43.48
19.54	43.98	14.32	43.98
19.54	44.48	14.26	44.48
19.54	44.98	14.20	44.98
19.54	45.48	14.14	45.48
19.54	45.98	14.08	45.98
19.54	46.48	14.02	46.48
19.54	46.98	13.96	46.98
19.54	47.48	13.90	47.48
19.54	47.98	13.84	47.98
19.54	48.48	13.78	48.48
19.54	48.98	13.72	48.98
19.54	49.48	13.66	49.48
19.54	49.98	13.60	49.98
19.54	50.48	13.54	50.48
19.54	50.98	13.48	50.98
19.54	51.48	13.42	51.48
19.54	51.98	13.36	51.98
19.54	52.48	13.30	52.48
19.54	52.98	13.24	52.98
19.54	53.48	13.18	53.48
19.54	53.98	13.12	53.98
19.54	54.48	13.06	54.48
19.54	54.98	13.00	54.98
19.54	55.48	12.94	55.48
19.54	55.98	12.88	55.98
19.54	56.48	12.82	56.48
19.54	56.98	12.76	56.98
19.54	57.48	12.70	57.48
19.54	57.98	12.64	57.98
19.54	58.48	12.58	58.48
19.54	58.98	12.52	58.98
19.54	59.48	12.46	59.48
19.54	59.98	12.40	59.98
19.54	60.48	12.34	60.48
19.54	60.98	12.28	60.98
19.54	61.48	12.22	61.48
19.54	61.98	12.16	61.98
19.54	62.48	12.10	62.48
19.54	62.98	12.04	62.98
19.54	63.48	11.98	63.48
19.54	63.98	11.92	63.98
19.54	64.48	11.86	64.48
19.54	64.98	11.80	64.98
19.54	65.48	11.74	65.48
19.54	65.98	11.68	65.98
19.54	66.48	11.62	66.48
19.54	66.98	11.56	66.98
19.54	67.48	11.50	67.48
19.54	67.98	11.44	67.98
19.54	68.48	11.38	68.48
19.54	68.98	11.32	68.98
19.54	69.48	11.26	69.48
19.54	69.98	11.20	69.98
19.54	70.48	11.14	70.48
19.54	70.98	11.08	70.98
19.54	71.48	11.02	71.48
19.54	71.98	10.96	71.98
19.54	72.48	10.90	72.48
19.54	72.98	10.84	72.98
19.54	73.48	10.78	73.48
19.54	73.98	10.72	73.98
19.54	74.48	10.66	74.48
19.54	74.98	10.60	74.98
19.54	75.48	10.54	75.48
19.54	75.98	10.48	75.98
19.54	76.48	10.42	76.48
19.54	76.98	10.36	76.98
19.54	77.48	10.30	77.48
19.54	77.98	10.24	77.98
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19.54	80.98	9.88	80.98
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19.54	82.98	9.64	82.98
19.54	83.48	9.58	83.48
19.54	83.98	9.52	83.98
19.54	84.48	9.46	84.48
19.54	84.98	9.40	84.98
19.54	85.48	9.34	85.48
19.54	85.98	9.28	85.98
19.54	86.48	9.22	86.48
19.54	86.98	9.16	86.98
19.54	87.48	9.10	87.48
19.54	87.98	9.04	87.98
19.54	88.48	8.98	88.48
19.54	88.98	8.92	88.98
19.54	89.48	8.86	89.48
19.54	89.98	8.80	89.98
19.54	90.48	8.74	90.48
19.54	90.98	8.68	90.98
19.54	91.48	8.62	91.48
19.54	91.98	8.56	91.98
19.54	92.48	8.50	92.48
19.54	92.98	8.44	92.98
19.54	93.48	8.38	93.48
19.54	93.98	8.32	93.98
19.54	94.48	8.26	94.48
19.54	94.98	8.20	94.98
19.54	95.48	8.14	95.48
19.54	95.98	8.08	95.98
19.54	96.48	8.02	96.48
19.54	96.98	7.96	96.98
19.54	97.48	7.90	97.48
19.54	97.98	7.84	97.98
19.54	98.48	7.78	98.48
19.54	98.98	7.72	98.98
19.54	99.48	7.66	99.48
19.54	99.98	7.60	99.98
19.54	100.48	7.54	100.48
19.54	100.98	7.48	100.98
19.54	101.48	7.42	101.48
19.54	101.98	7.36	101.98
19.54	102.48	7.30	102.48
19.54	102.98	7.24	102.98
19.54	103.48	7.18	103.48
19.54	103.98	7.12	103.98
19.54	104.48	7.06	104.48
19.54	104.98	7.00	104.98
19.54	105.48	6.94	105.48
19.54	105.98	6.88	105.98
19.54	106.48	6.82	106.48
19.54	106.98	6.76	106.98
19.54	107.48	6.70	107.48
19.54	107.98	6.64	107.98
19.54	108.48	6.58	108.48
19.54	108.98	6.52	108.98
19.54	109.48	6.46	109.48
19.54	109.98	6.40	109.98
19.54	110.48	6.34	110.48
19.54	110.98	6.28	110.98
19.54	111.48	6.22	111.48
19.54	111.98	6.16	111.98
19.54	112.48	6.10	112.48
19.54	112.98	6.04	112.98
19.54	113.48	5.98	113.48
19.54	113.98	5.92	113.98
19.54	114.48	5.86	114.48
19.54	114.98	5.80	114.98
19.54	115.48	5.74	115.48
19.54	115.98	5.68	115.98
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19.54	116.98	5.56	116.98
19.54	117.48	5.50	117.48
19.54			

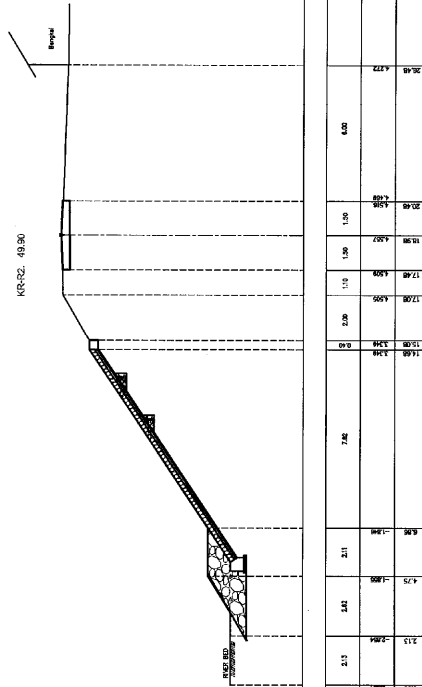
KR-R2: 36.80



BP = 6.000M

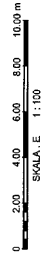
POINT	
DISTANCE (M)	4.00
ELEVATION (M)	6.57
DIRECT DISTANCE (M)	7.86






KR-R2: 49.90



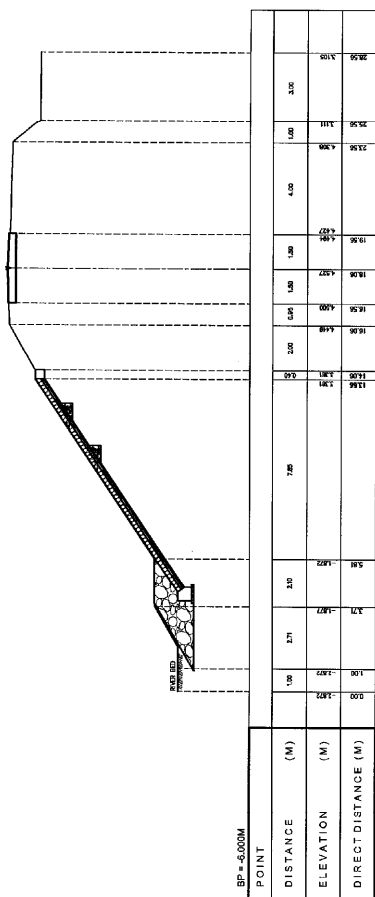
BP = 6.000M

POINT	
DISTANCE (M)	4.00
ELEVATION (M)	6.57
DIRECT DISTANCE (M)	7.42

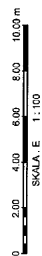
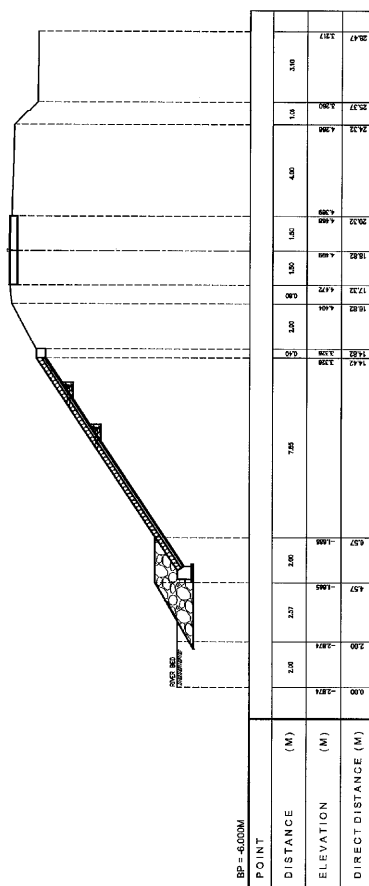


 JICA	 BWSS-V	 PT. WASKITA KARYA	Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang	REV. DATE DESCRIPTION BY	PROPOSED BY DATE  PROJECT MANAGER	APPROVED BY DATE  ENGINEER	AS BUILT DRAWINGS LOCATION : KURANJI RIVER NAME OF WORKS : WORKS AT DOWNSTREAM SITE OF MANGGALO BRIDGE TITLE : CROSS SECTION PROFILE OF RIGHT DIKE	SHEET NO. KR-R2-CS-1/3
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KR-R2. 58.80

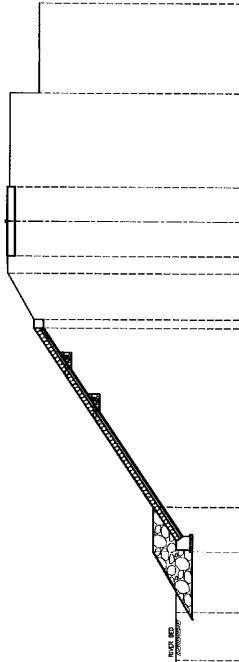


KR-R2. 68.80



 JICA	 BWSS-V	 PT. WASKITA KARYA	Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang	REV.	DATE	DESCRIPTION	BY	PROPOSED BY	DATE	APPROVED BY	DATE	AS BUILT DRAWINGS LOCATION : KURANJI RIVER NAME OF WORKS : WORKS AT DOWNSTREAM SITE OF MANGALO BRIDGE TITLE : CROSS SECTION PROFILE OF RIGHT DIKE	SHEET NO. KR-R2 - 05 / 4
								I. LELY TIENDRO Project Manager	Y. SUDHARNO The Engineer				

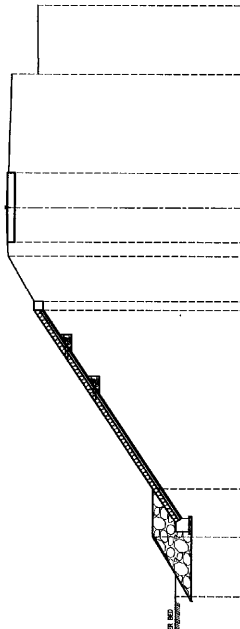
KR-RZ: 80.00



BP = 0.000M

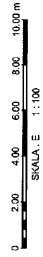
POINT		DISTANCE (M)	ELEVATION (M)	DIRECT DISTANCE (M)
0.00	-2.80	2.10	2.70	2.10
1.00	-2.80	2.10	2.70	2.10
2.00	-2.80	2.10	2.70	2.10
3.00	-2.80	2.10	2.70	2.10
4.00	-2.80	2.10	2.70	2.10
5.00	-2.80	2.10	2.70	2.10
6.00	-2.80	2.10	2.70	2.10
7.00	-2.80	2.10	2.70	2.10
8.00	-2.80	2.10	2.70	2.10
9.00	-2.80	2.10	2.70	2.10
10.00	-2.80	2.10	2.70	2.10
11.00	-2.80	2.10	2.70	2.10
12.00	-2.80	2.10	2.70	2.10
13.00	-2.80	2.10	2.70	2.10
14.00	-2.80	2.10	2.70	2.10
15.00	-2.80	2.10	2.70	2.10
16.00	-2.80	2.10	2.70	2.10
17.00	-2.80	2.10	2.70	2.10
18.00	-2.80	2.10	2.70	2.10
19.00	-2.80	2.10	2.70	2.10
20.00	-2.80	2.10	2.70	2.10
21.00	-2.80	2.10	2.70	2.10
22.00	-2.80	2.10	2.70	2.10
23.00	-2.80	2.10	2.70	2.10
24.00	-2.80	2.10	2.70	2.10
25.00	-2.80	2.10	2.70	2.10
26.00	-2.80	2.10	2.70	2.10
27.00	-2.80	2.10	2.70	2.10
28.00	-2.80	2.10	2.70	2.10
29.00	-2.80	2.10	2.70	2.10
30.00	-2.80	2.10	2.70	2.10
31.00	-2.80	2.10	2.70	2.10
32.00	-2.80	2.10	2.70	2.10
33.00	-2.80	2.10	2.70	2.10
34.00	-2.80	2.10	2.70	2.10
35.00	-2.80	2.10	2.70	2.10
36.00	-2.80	2.10	2.70	2.10
37.00	-2.80	2.10	2.70	2.10
38.00	-2.80	2.10	2.70	2.10
39.00	-2.80	2.10	2.70	2.10
40.00	-2.80	2.10	2.70	2.10
41.00	-2.80	2.10	2.70	2.10
42.00	-2.80	2.10	2.70	2.10
43.00	-2.80	2.10	2.70	2.10
44.00	-2.80	2.10	2.70	2.10
45.00	-2.80	2.10	2.70	2.10
46.00	-2.80	2.10	2.70	2.10
47.00	-2.80	2.10	2.70	2.10
48.00	-2.80	2.10	2.70	2.10
49.00	-2.80	2.10	2.70	2.10
50.00	-2.80	2.10	2.70	2.10





KR-RZ: 80.00

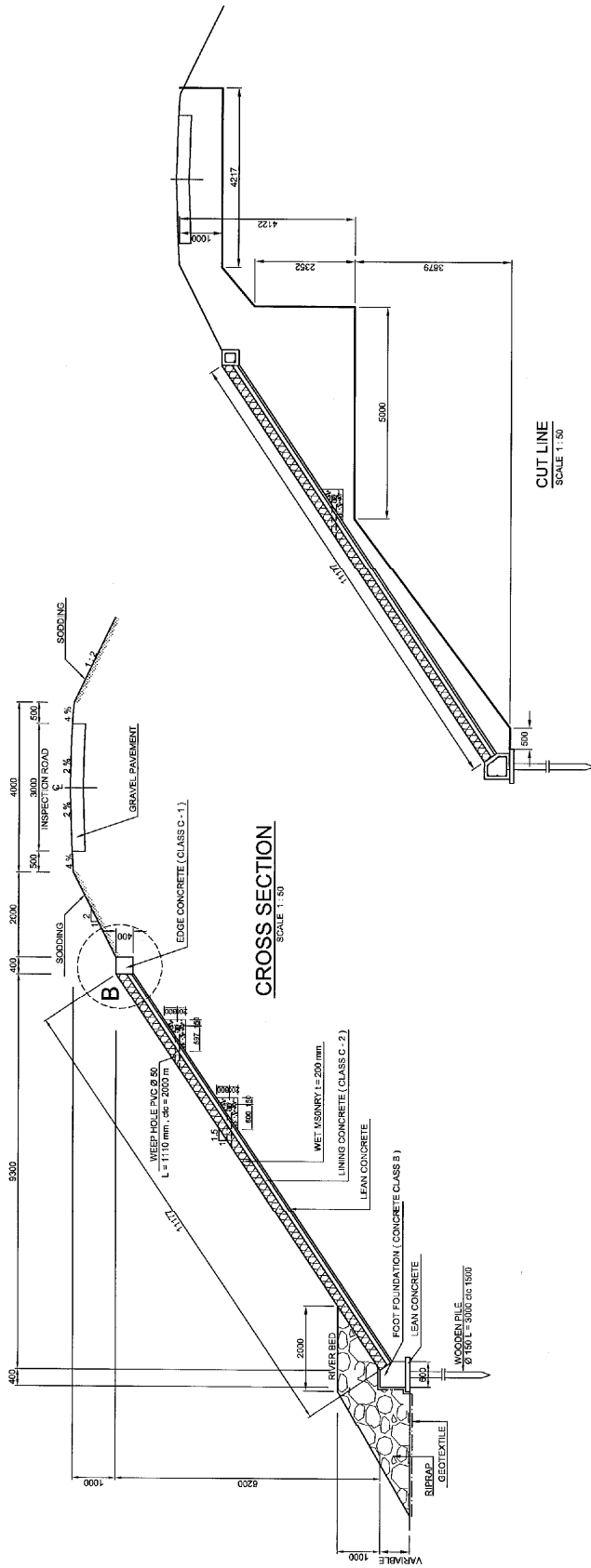


BP = 0.000M

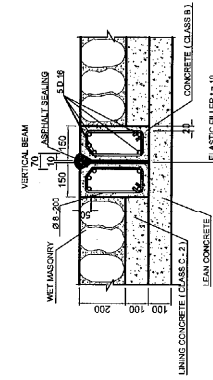
POINT		DISTANCE (M)	ELEVATION (M)	DIRECT DISTANCE (M)
0.00	-2.80	2.10	2.70	2.10
1.00	-2.80	2.10	2.70	2.10
2.00	-2.80	2.10	2.70	2.10
3.00	-2.80	2.10	2.70	2.10
4.00	-2.80	2.10	2.70	2.10
5.00	-2.80	2.10	2.70	2.10
6.00	-2.80	2.10	2.70	2.10
7.00	-2.80	2.10	2.70	2.10
8.00	-2.80	2.10	2.70	2.10
9.00	-2.80	2.10	2.70	2.10
10.00	-2.80	2.10	2.70	2.10
11.00	-2.80	2.10	2.70	2.10
12.00	-2.80	2.10	2.70	2.10
13.00	-2.80	2.10	2.70	2.10
14.00	-2.80	2.10	2.70	2.10
15.00	-2.80	2.10	2.70	2.10
16.00	-2.80	2.10	2.70	2.10
17.00	-2.80	2.10	2.70	2.10
18.00	-2.80	2.10	2.70	2.10
19.00	-2.80	2.10	2.70	2.10
20.00	-2.80	2.10	2.70	2.10
21.00	-2.80	2.10	2.70	2.10
22.00	-2.80	2.10	2.70	2.10
23.00	-2.80	2.10	2.70	2.10
24.00	-2.80	2.10	2.70	2.10
25.00	-2.80	2.10	2.70	2.10
26.00	-2.80	2.10	2.70	2.10
27.00	-2.80	2.10	2.70	2.10
28.00	-2.80	2.10	2.70	2.10
29.00	-2.80	2.10	2.70	2.10
30.00	-2.80	2.10	2.70	2.10
31.00	-2.80	2.10	2.70	2.10
32.00	-2.80	2.10	2.70	2.10
33.00	-2.80	2.10	2.70	2.10
34.00	-2.80	2.10	2.70	2.10
35.00	-2.80	2.10	2.70	2.10
36.00	-2.80	2.10	2.70	2.10
37.00	-2.80	2.10	2.70	2.10
38.00	-2.80	2.10	2.70	2.10
39.00	-2.80	2.10	2.70	2.10
40.00	-2.80	2.10	2.70	2.10
41.00	-2.80	2.10	2.70	2.10
42.00	-2.80	2.10	2.70	2.10
43.00	-2.80	2.10	2.70	2.10
44.00	-2.80	2.10	2.70	2.10
45.00	-2.80	2.10	2.70	2.10
46.00	-2.80	2.10	2.70	2.10
47.00	-2.80	2.10	2.70	2.10
48.00	-2.80	2.10	2.70	2.10
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50.00	-2.80	2.10	2.70	2.10



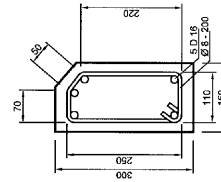
 JICA	 BWSS-V	 PT. WASKITA KARYA	Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang	REV. DATE DESCRIPTION BY	PROPOSED BY DATE IF. LOLY HENDRO Project Manager	APPROVED BY DATE  Yusui The Engineer	AS BUILT DRAWINGS LOCATION : KURANJI RIVER NAME OF WORKS : WORKS AT DOWNSTREAM SITE OF MANGGALO BRIDGE TITLE : CROSS SECTION PROFILE OF RIGHT DIKE	SHEET NO. KR - RZ - CS 1-5
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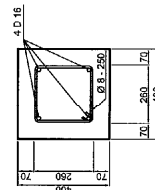
CUT LINE
SCALE 1:50



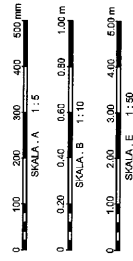
EXPANSION JOINT
SCALE 1:10



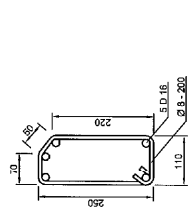
VERTICAL BEAM
SCALE 1:5



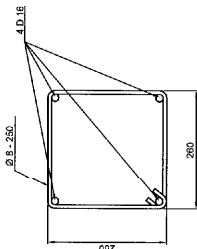
DETAIL B (EDGE BEAM)
SCALE 1:10



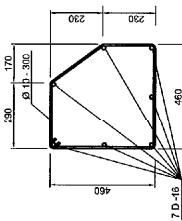
			Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang	REV.	DATE	DESCRIPTION	BY	PROPOSED BY DATE	APPROVED BY DATE	AS BUILT DRAWINGS	SHEET NO.



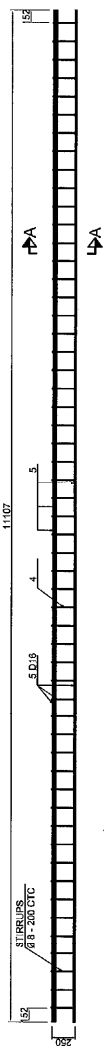
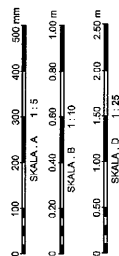
VERTICAL BEAM (SECTION A - A)
SCALE 1 : 5



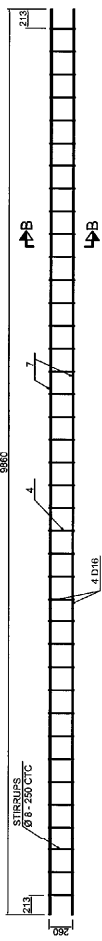
EDGE BEAM (SECTION B - B)
SCALE 1 : 5



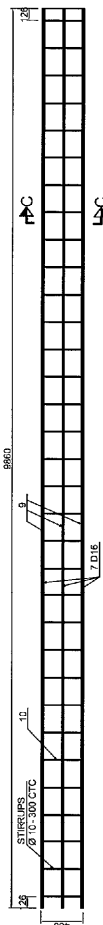
FOOT FOUNDATION (SECTION C - C)
SCALE 1 : 10



VERTICAL BEAM (L = 11.18 m)
SCALE 1 : 25



EDGE BEAM (L = 10.00 m)
SCALE 1 : 25

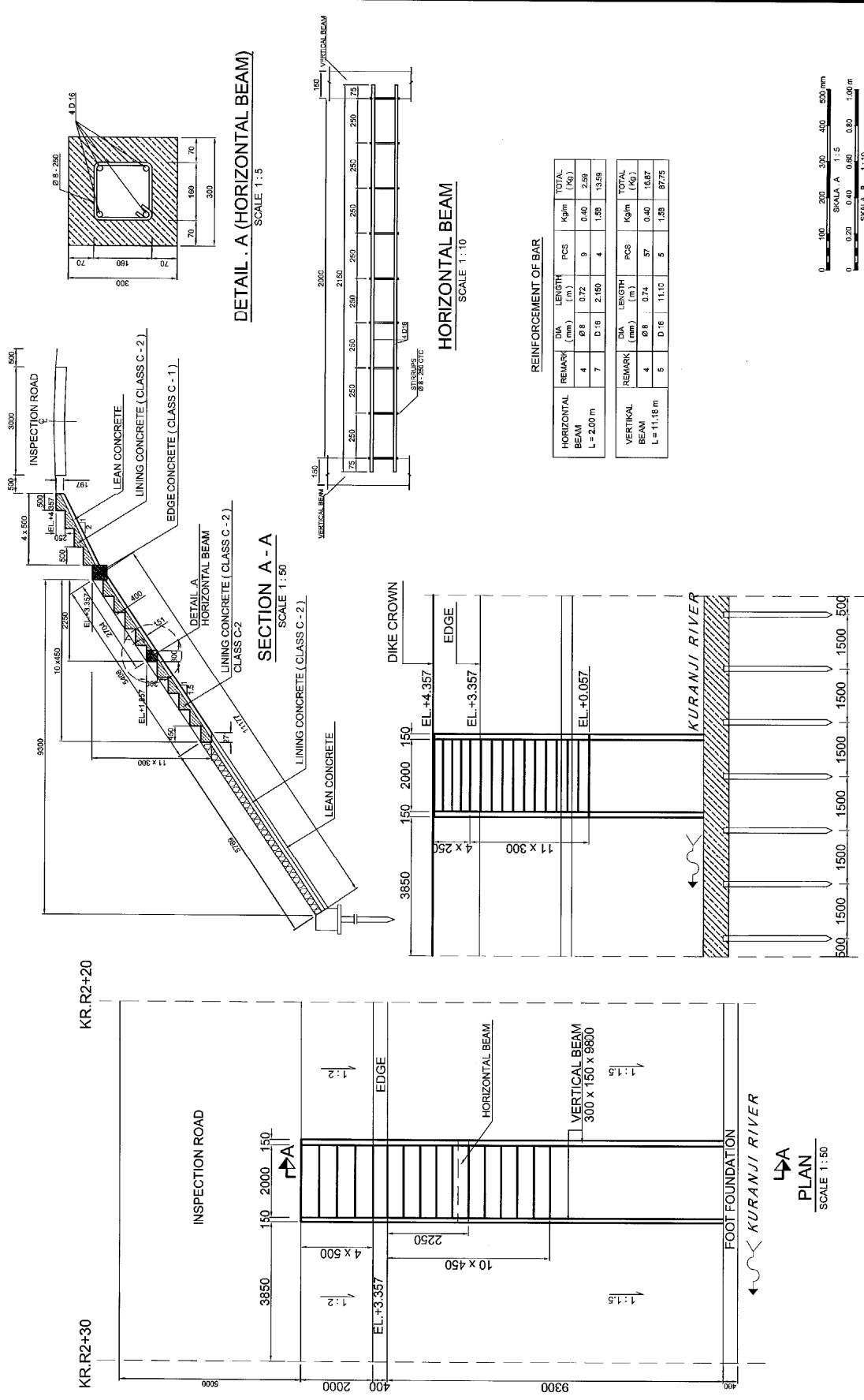


FOOT FOUNDATION (L = 10.00 m)
SCALE 1 : 25

REINFORCEMENT OF BAR

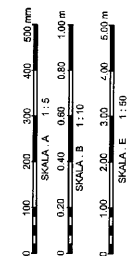
REMARK	DIA (mm)	LENGTH (m)	PCS	TOTAL (Kg)
VERTICAL BEAM L = 11.18 m				
4	Ø 8	0.74	57	0.40 16.87
5	D 16	11.00	5	1.58 87.75
EDGE BEAM L = 10.00 m				
4	Ø 8	1.08	40	0.40 17.28
7	D 16	9.86	4	1.58 65.32
FOUNDATION L = 10.00 m				
10	Ø 10	1.81	33	0.62 37.24
9	D 16	9.86	7	1.58 100.05

	Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang	AS BUILT DRAWINGS LOCATION : KURANJI RIVER NAME OF WORKS : WORKS AT DOWNSTREAM SITE OF MANGGALO BRIDGE KR - R2 - SP 1-2 TITLE : DETAIL REBAR OF SLOPE PROTECTION	SHEET NO.	
	REV.	DATE	DESCRIPTION	BY
	PROPOSED BY Ir. LOLY HENDRO Project Manager	DATE	APPROVED BY YUSUFI The Engineer	DATE
	APPROVED BY			SHEET NO.

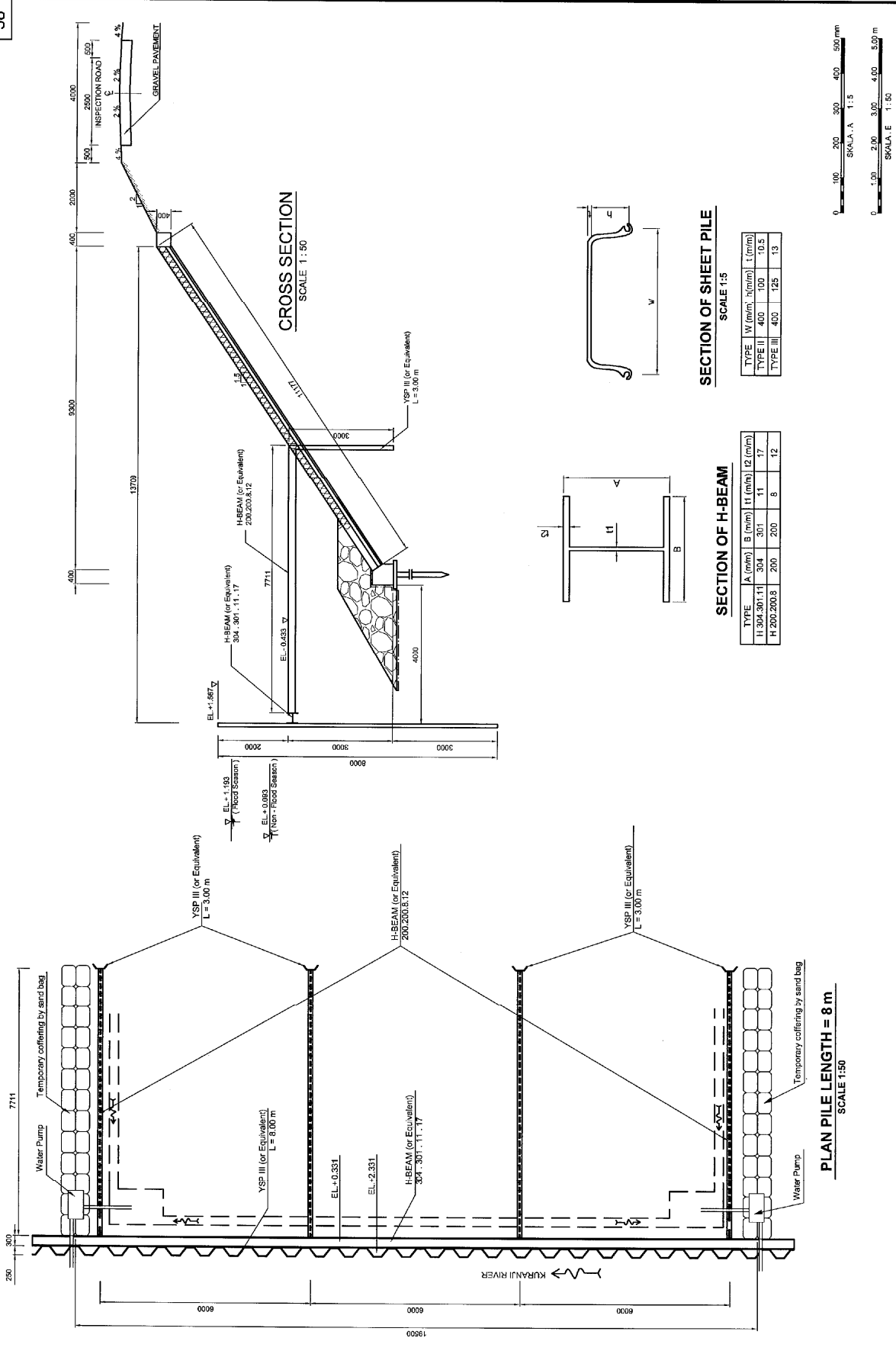


REINFORCEMENT OF BAR

HORIZONTAL BEAM	REMARK	DIA (mm)	LENGTH (m)	PCS	TOTAL Kgm (kg)	
L = 2.00 m	4	Ø 8	0.72	9	0.40	
	7	Ø 16	2.150	4	1.58	
	TOTAL					13.59
	VERTICAL BEAM					L = 11.18 m
L = 11.18 m	4	Ø 8	0.74	57	0.40	
	5	Ø 16	11.10	5	1.58	
	TOTAL					16.67
TOTAL					87.75	



 JICA BWSS-V	 PT. WASKITA KARYA	Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang	REV.	DATE	DESCRIPTION	BY	PROPOSED BY	APPROVED BY	AS BUILT DRAWINGS	SHEET NO.	
							I. LOIY HENDRO Project Manager		LOCATION : KURANJI RIVER NAME OF WORKS : WORKS AT DOWNSTREAM SITE OF NANGALO BRIDGE TITLE : DETAIL STAIR		KR - R2 - SP 1-4

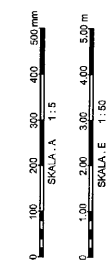


CROSS SECTION
SCALE 1:50

SECTION OF H-BEAM
SCALE 1:5

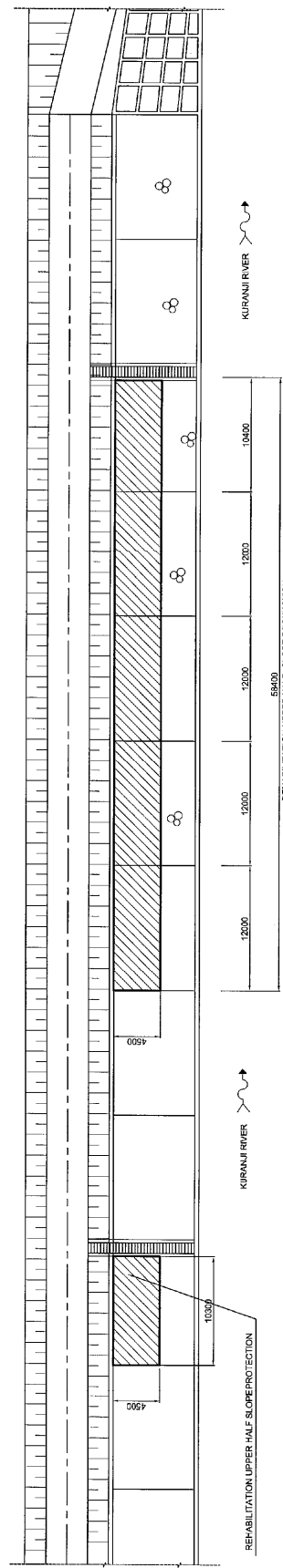
TYPE	W (mm)	H (mm)	t (mm)
TYPE II	400	100	10.5
TYPE III	400	125	13

TYPE	A (mm)	B (mm)	t1 (mm)	t2 (mm)
I	304	301	11	17
H	200	200.8	8	12



PLAN PILE LENGTH = 8 m
SCALE 1:50

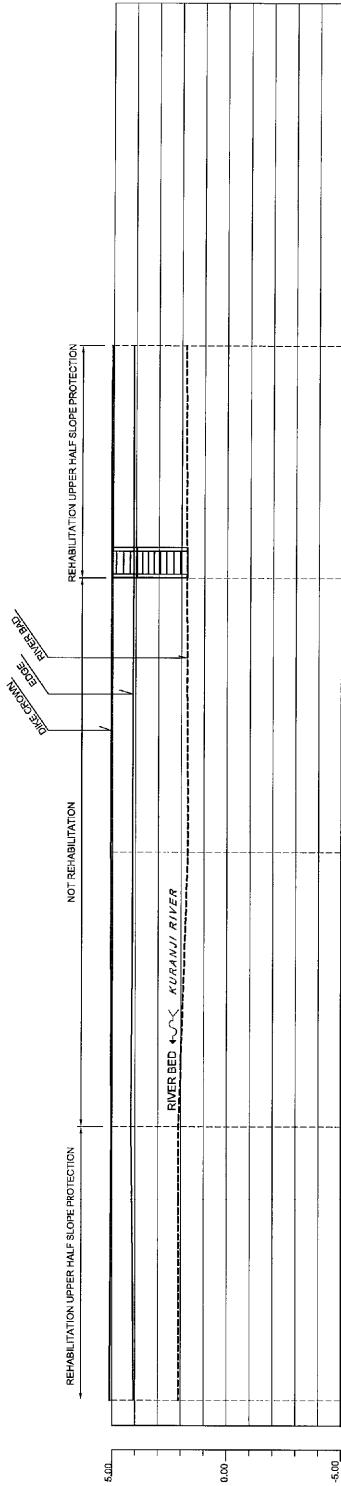
			Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang	AS BUILT DRAWINGS LOCATION : KURANJI RIVER NAME OF WORKS : WORKS AT DOWNSTREAM SITE OF NANGGALO BRIDGE TITLE : PLAN & SECTION OF TEMPORARY COFFERING	SHEET NO. KR - R2 - TC - 1	
APPROVED BY Yusupri Susji The Engineer			PROPOSED BY Kholly Hendro Project Manager			
REV.	DATE	DESCRIPTION	BY			



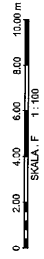
PLAN
SCALE 1:200



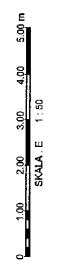
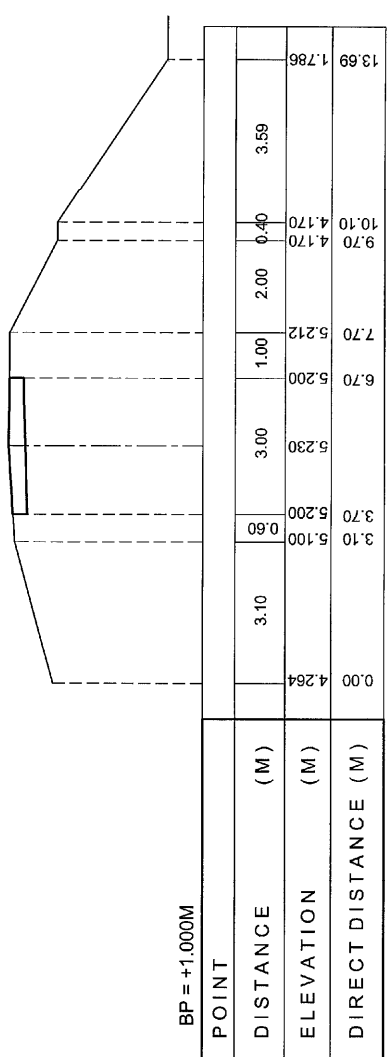
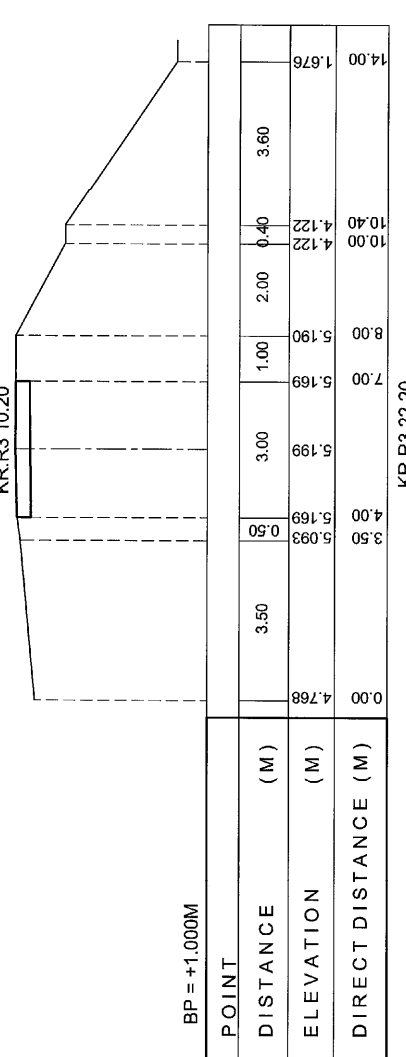
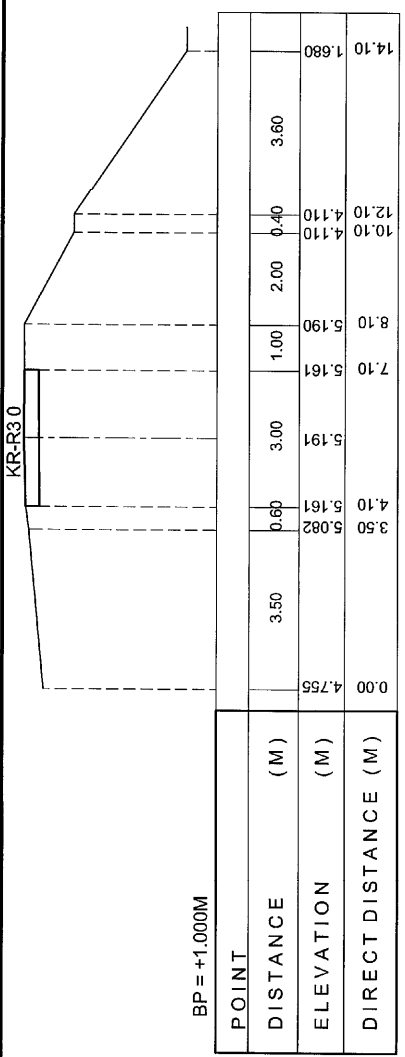
						Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang		AS BUILT DRAWINGS LOCATION : KURANJI RIVER NAME OF WORKS : WORKS AT UPSTREAM SITE 1 OF NANGGALO BRIDGE TITLE : PLAN		SHEET NO KR-R3-P-1
REV.	DATE	DESCRIPTION	BY	PROPOSED BY DATE	APPROVED BY DATE					
				TIKOLY HENDRO Project Manager	YOSEPHUS JUSJI The Engineer					



EL OF DIKE CROWN	AS BUILT (M)	SECTION NO.
EDGE	4.887	KR.R3.46.20
RIVER RAD	2.087	
CUMULATIVE	45.40	
BETWEEN TWO SECTION	12.00	
	5.003	KR.R3.22.20
	4.176	
	2.066	
	1.714	
	62.40	
	4.122	KR.R3.10.20
	1.799	
	4.110	
	5.888	KR.R3.0

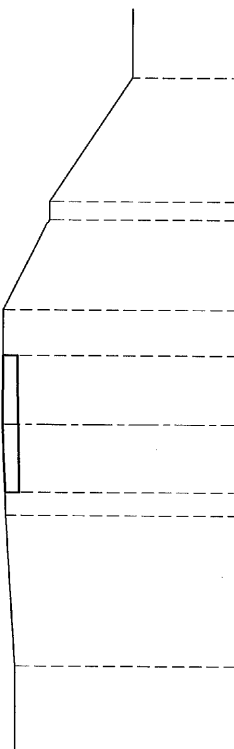


	Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang	REV.	DATE	DESCRIPTION	BY	PROPOSED BY	DATE	APPROVED BY	DATE	AS BUILT DRAWINGS	SHEET NO.
							I. TOLY HENDRO Project Manager	 The Engineer	LOCATION : KURAUJI RIVER NAME OF WORKS : WORKS AT UPSTREAM SITE 1 OF NANGALO BRIDGE TITLE : LONGITUDINAL PROFILE OF RIGHT DIKE	KR-R3-1P-12	



 JICA	 BWSS-V	 PT. WASKITA KARYA	Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang		REV. DATE DESCRIPTION BY	PROPOSED BY DATE Ir. LOY HENDRO Project Manager	APPROVED BY DATE Yasmi Usui The Engineer	AS BUILT DRAWINGS		SHEET NO.
			LOCATION : KURANJI RIVER					NAME OF WORKS : WORKS AT UPSTREAM SITE 1 OF NANGGALO BRIDGE		

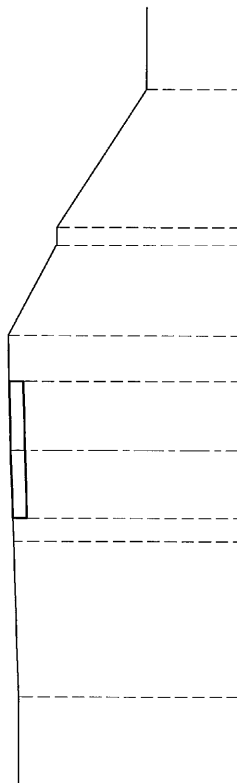
KR.R3 34.20



BP = 0.000M

POINT	DISTANCE (M)	ELEVATION (M)	DIRECT DISTANCE (M)
	3.30	5.056	0.50
	3.80	5.103	3.00
	5.133	5.103	1.00
	5.124	7.80	2.00
	4.126	8.00	0.40
	2.332	11.10	2.70



KR.R3 46.20



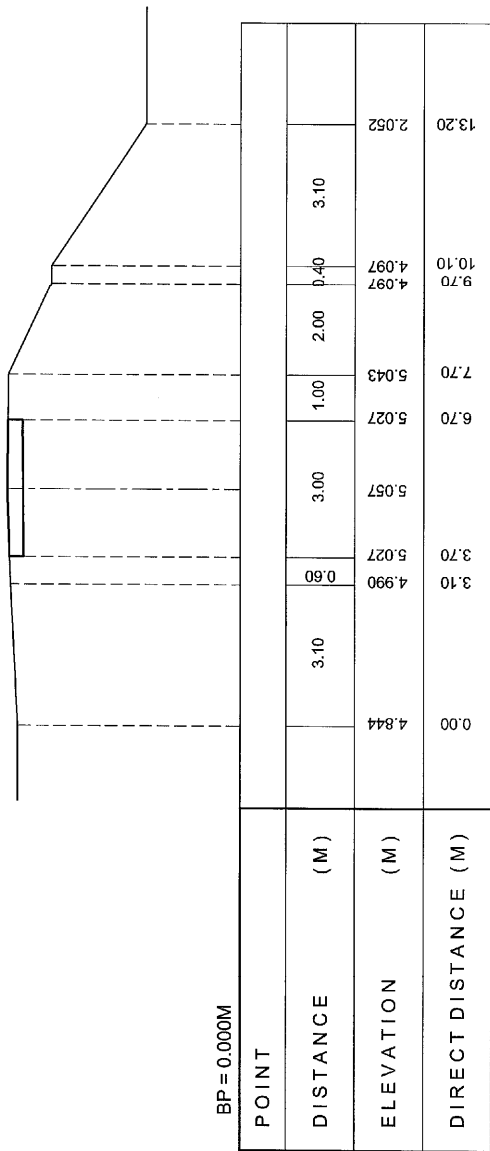
BP = 0.000M

POINT	DISTANCE (M)	ELEVATION (M)	DIRECT DISTANCE (M)
	3.40	4.968	0.50
	3.90	5.016	3.00
	5.046	5.016	1.00
	5.110	7.90	2.00
	4.052	9.90	0.40
	2.097	13.31	3.01

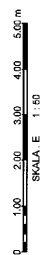
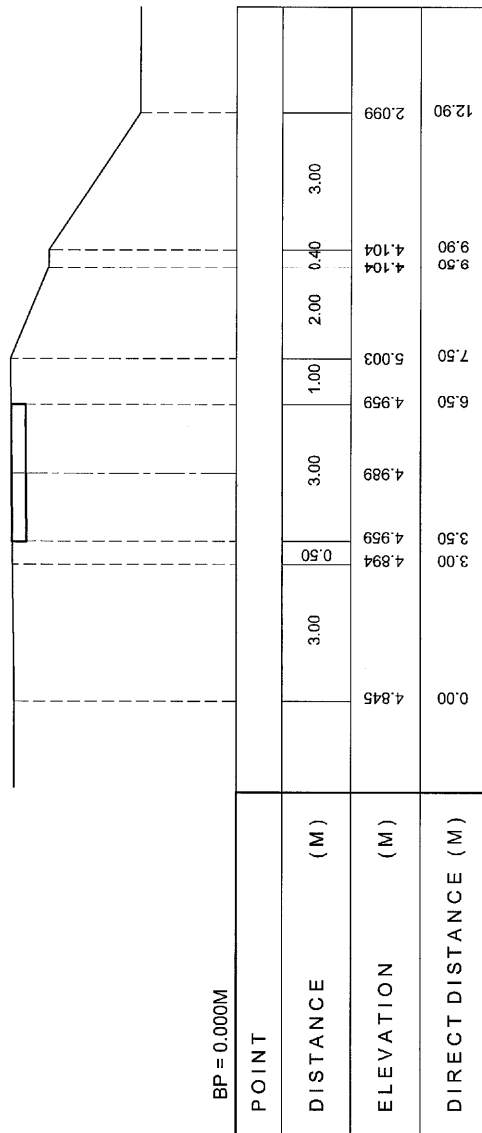


 JICA	 BWSS-V	 PT. WASKITA KARYA	Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang	REV. DATE DESCRIPTION BY	PROPOSED BY DATE  H. TOHY HENDRO Project Manager	APPROVED BY DATE  YUSUF USUI The Engineer	AS BUILT DRAWINGS LOCATION : KURANJI RIVER NAME OF WORKS : WORKS AT UPSTREAM SITE 1 OF NANGGALO BRIDGE KR - R3 - CS 1-2 TITLE : CROSS SECTION PROFILE OF LEFT DIKE	SHEET NO.
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KR.R3 58.20

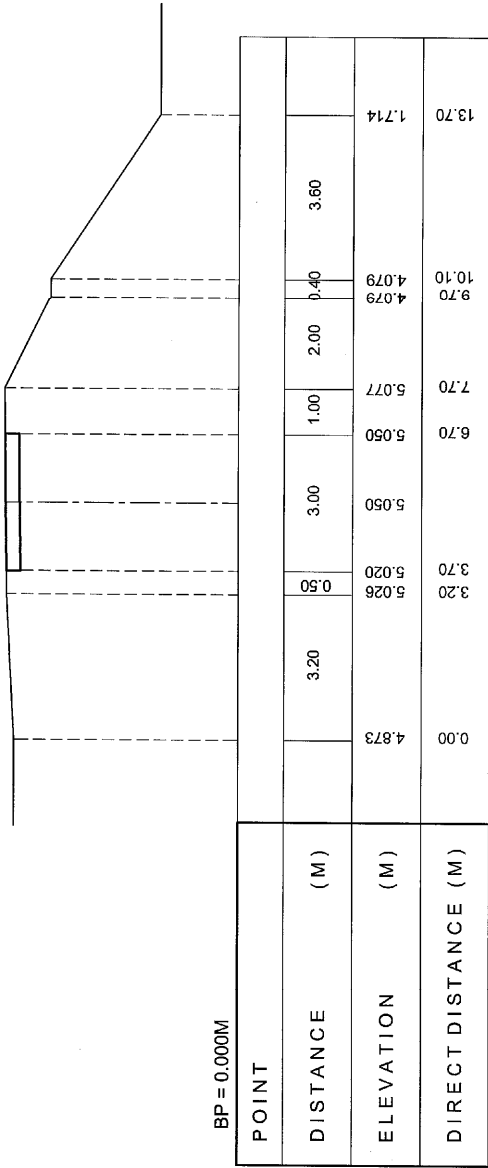


KR.R3 70.20

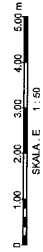
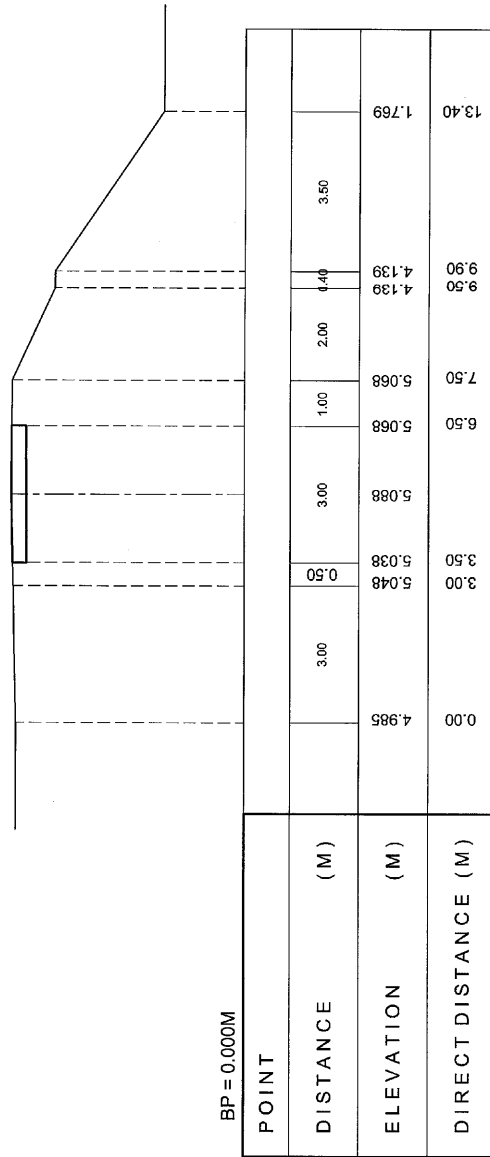


	Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang	REV.	DATE	DESCRIPTION	BY	PROPOSED BY	DATE	APPROVED BY	DATE	AS BUILT DRAWINGS	SHEET NO.
						TOTO WIDORO Project Manager		YUSUF USUI The Engineer		LOCATION : KURANJI RIVER NAME OF WORKS : WORKS AT UPSTREAM SITE 1 OF MANGGALO BRIDGE TITLE : CROSS SECTION PROFILE OF LEFT DIKE	KR-R3-CS-13

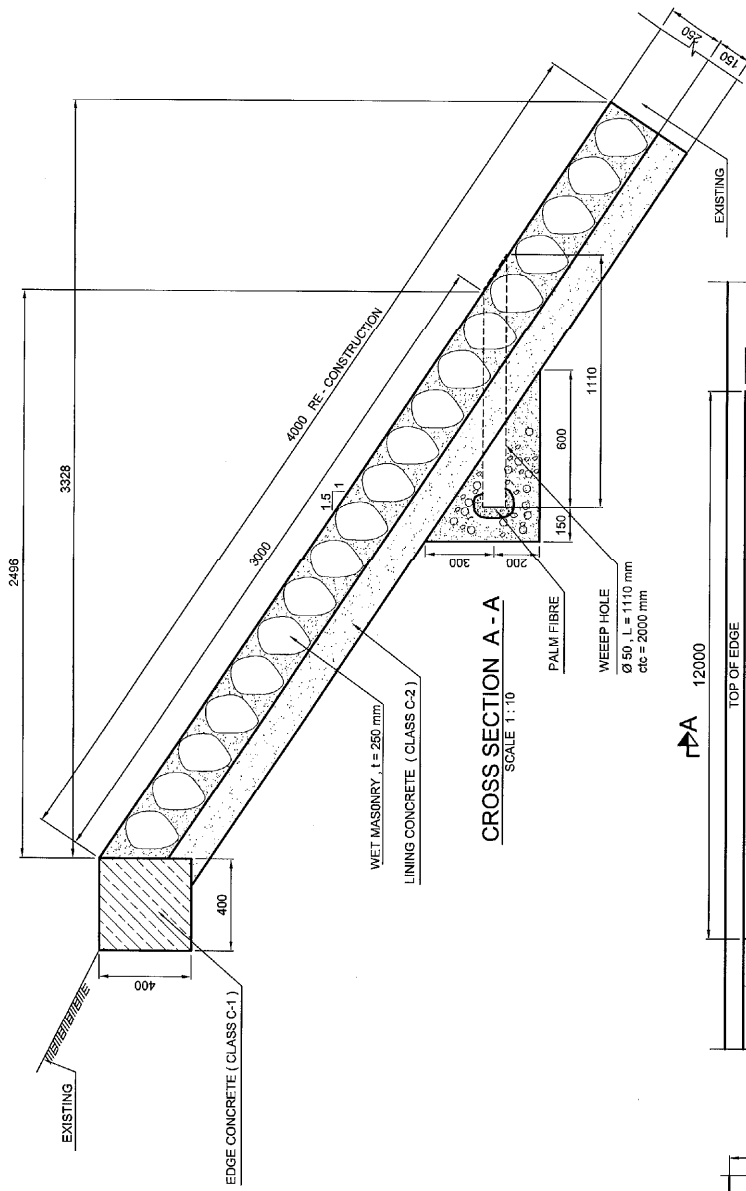
KR.R3 82.20



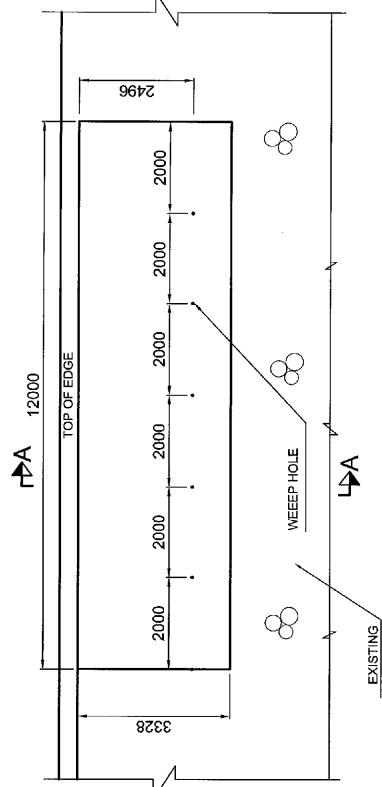
KR.R3 92.60



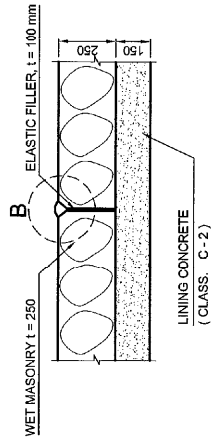
	Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang	REV.	DATE	DESCRIPTION	BY	PROPOSED BY DATE	APPROVED BY DATE	AS BUILT DRAWINGS LOCATION : KURANJI RIVER NAME OF WORKS : WORKS AT UPSTREAM SITE 1 OF NANGALO BRIDGE TITLE : CROSS SECTION PROFILE OF LEFT DIKE	SHEET NO. KR-R3-CS 1-4
		PT. WASKITA KARYA WASKITA KARYA		PT. WASKITA KARYA WASKITA KARYA		PT. WASKITA KARYA WASKITA KARYA		PT. WASKITA KARYA WASKITA KARYA	



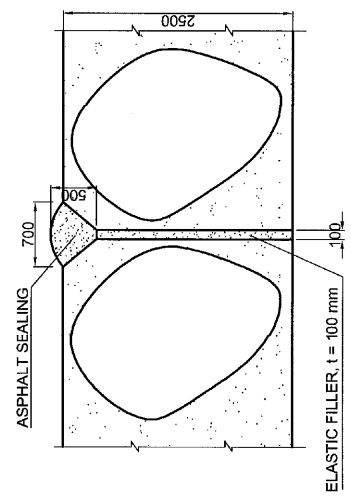
CROSS SECTION A-A
SCALE 1:10



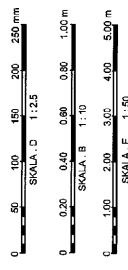
PLAN OF WEEP HOLE
SCALE 1:50



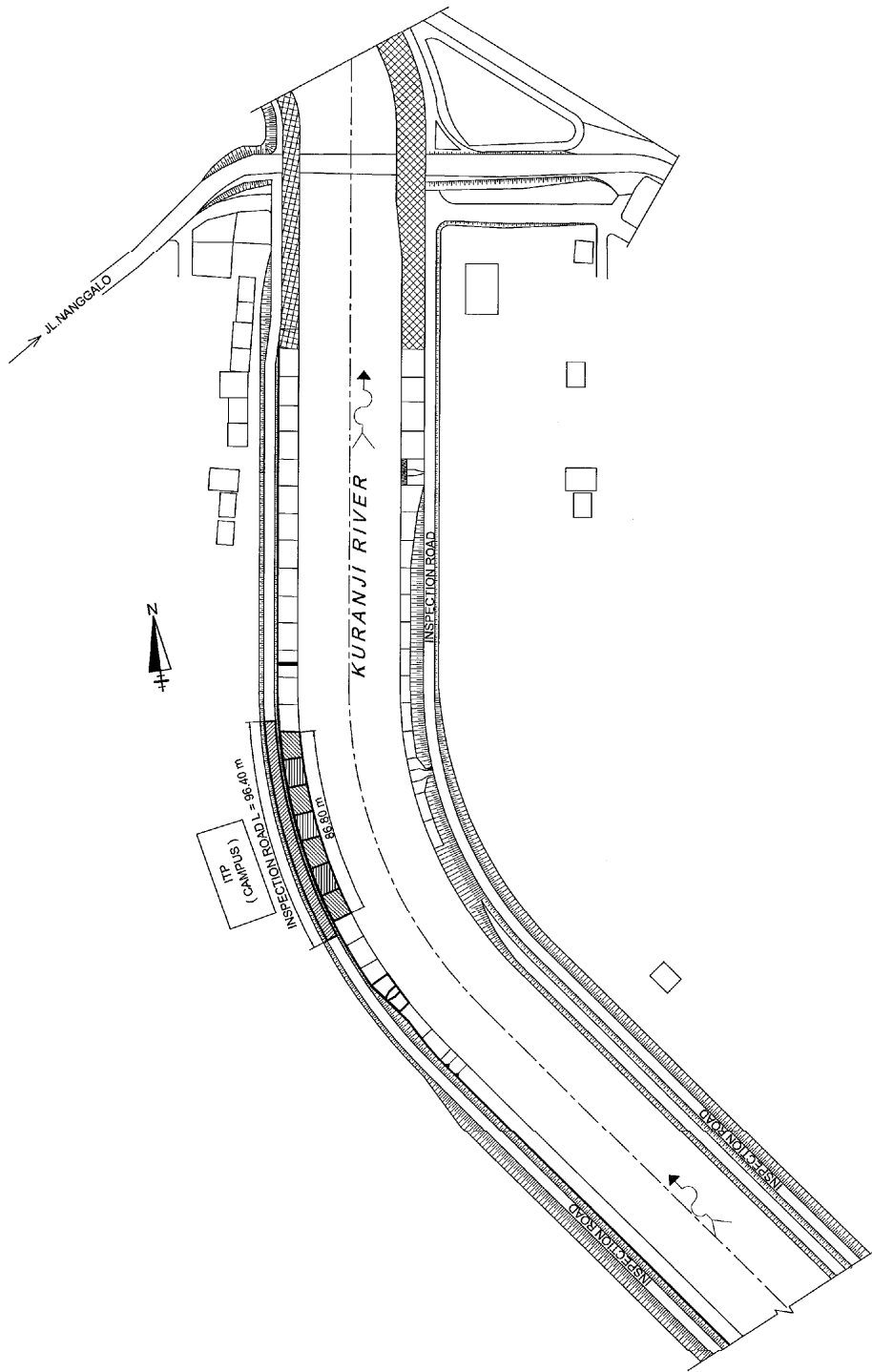
DETAIL A. OF EXPANSION JOINT
SCALE 1:10



DETAIL. B
DETAIL OF ASPHALT SEALING
SCALE 1:2.5

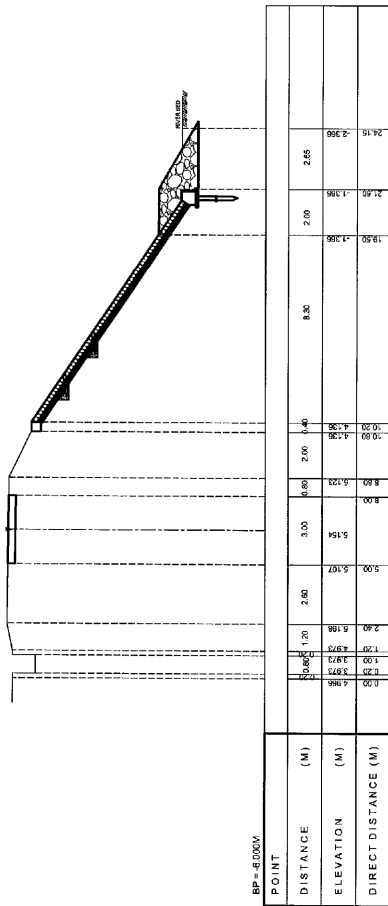


			Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang	REV.	DATE	DESCRIPTION	BY	PROPOSED BY	APPROVED BY	AS BUILT DRAWINGS	SHEET NO.
								DATE PROJECT MANAGER PROJECT MANAGER	DATE THE ENGINEER	LOCATION : KURANJI RIVER NAME OF WORKS : WORKS AT UPSTREAM SITE 1 OF NANGGALO BRIDGE TITLE : SLOPE PROTECTION WET MASONRY	KR - R3 - SP-1

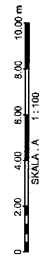
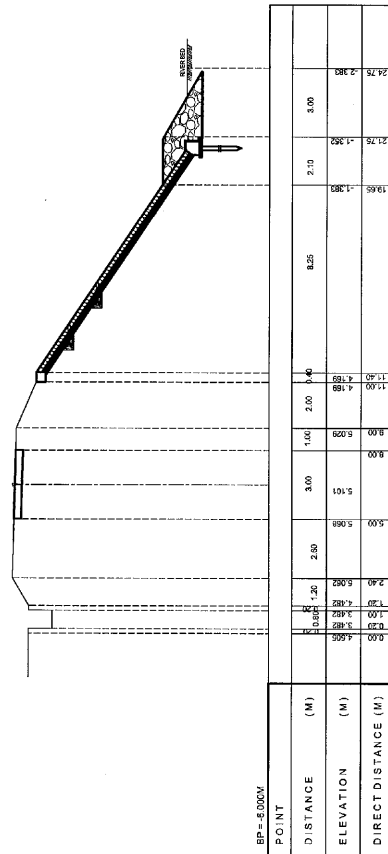


						Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang		REV. DATE DESCRIPTION BY		PROPOSED BY DATE H. LELY HENDRO Project Manager		APPROVED BY DATE YUSUF USUI The Engineer		SHEET NO. KR - R4 - P - 1	
AS BUILT DRAWINGS		LOCATION : KURANJI RIVER		NAME OF WORKS : WORKS AT UPSTREAM SITE 2 OF MANGGALO BRIDGE		TITLE : PLAN		AS BUILT DRAWINGS		LOCATION : KURANJI RIVER		NAME OF WORKS : WORKS AT UPSTREAM SITE 2 OF MANGGALO BRIDGE		TITLE : PLAN	

KR-R4.0

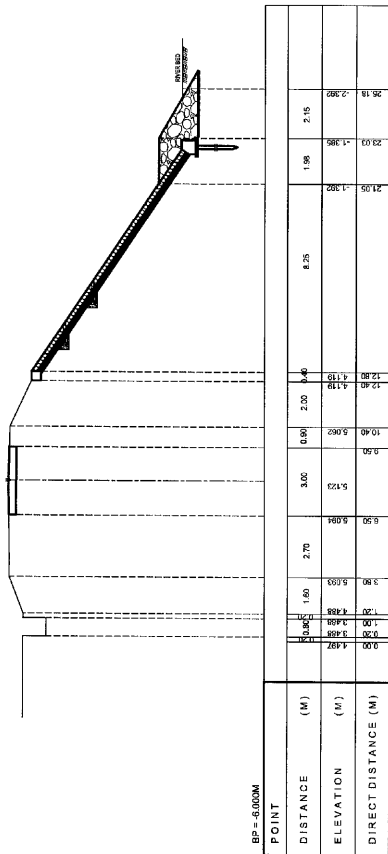


KR-R4.12.85

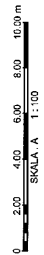
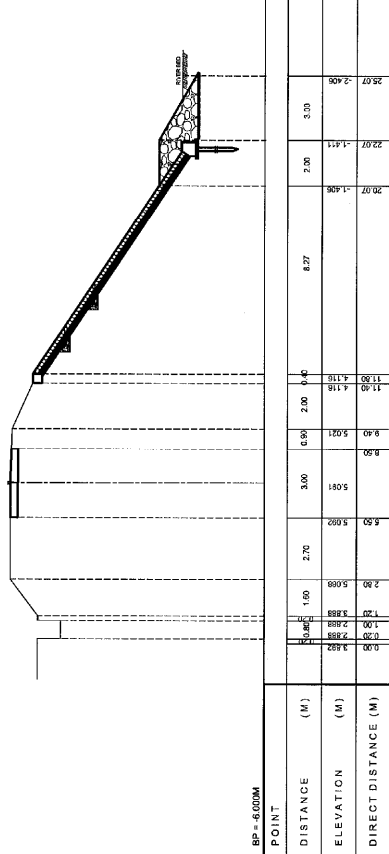


			Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang	REV.	DATE	DESCRIPTION	BY	PROPOSED BY	DATE	APPROVED BY	DATE	AS BUILT DRAWINGS LOCATION : KURANJI RIVER NAME OF WORKS : WORKS AT UPSTREAM SITE 2 OF MANGGALO BRIDGE TITLE : CROSS SECTION PROFILE OF LEFT DIKE	SHEET NO. KR-R4-CS-1-1

KR-R4.25.40

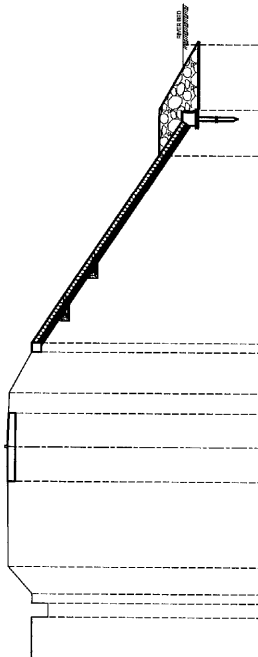


KR-R4.35.60



JICA	BWSS-V	PT. WASKITA KARYA	Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang	REV. DATE DESCRIPTION BY	PROPOSED BY DATE T. LOY HENDRO Project Manager	APPROVED BY DATE Yusuke Kusui JICA Engineer	AS BUILT DRAWINGS LOCATION : KURANJI RIVER NAME OF WORKS : WORKS AT UPSTREAM SITE 2 OF MANGGALO BRIDGE TITLE : CROSS SECTION PROFILE OF LEFT DIKE	SHEET NO. KR-R4-CS 1-2
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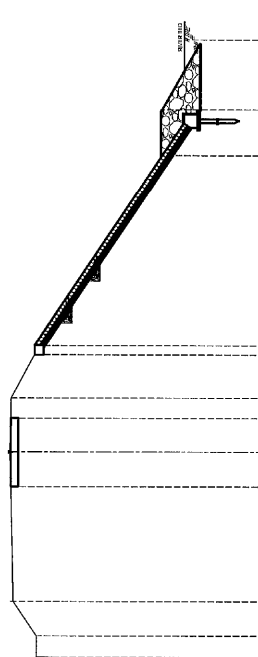
KR-PA482D



BP = 6.000M

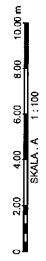
POINT	DISTANCE (M)	ELEVATION (M)	DIRECT DISTANCE (M)
0+00	0.00	5.15	0.00
0+37	3.70	5.15	3.70
0+40	4.00	5.15	4.00
0+43	4.30	5.15	4.30
0+46	4.60	5.15	4.60
0+49	4.90	5.15	4.90
0+52	5.20	5.15	5.20
0+55	5.50	5.15	5.50
0+58	5.80	5.15	5.80
0+61	6.10	5.15	6.10
0+64	6.40	5.15	6.40
0+67	6.70	5.15	6.70
0+70	7.00	5.15	7.00
0+73	7.30	5.15	7.30
0+76	7.60	5.15	7.60
0+79	7.90	5.15	7.90
0+82	8.20	5.15	8.20
0+85	8.50	5.15	8.50
0+88	8.80	5.15	8.80
0+91	9.10	5.15	9.10
0+94	9.40	5.15	9.40
0+97	9.70	5.15	9.70
1+00	10.00	5.15	10.00
1+03	10.30	5.15	10.30
1+06	10.60	5.15	10.60
1+09	10.90	5.15	10.90
1+12	11.20	5.15	11.20
1+15	11.50	5.15	11.50
1+18	11.80	5.15	11.80
1+21	12.10	5.15	12.10
1+24	12.40	5.15	12.40
1+27	12.70	5.15	12.70
1+30	13.00	5.15	13.00
1+33	13.30	5.15	13.30
1+36	13.60	5.15	13.60
1+39	13.90	5.15	13.90
1+42	14.20	5.15	14.20
1+45	14.50	5.15	14.50
1+48	14.80	5.15	14.80
1+51	15.10	5.15	15.10
1+54	15.40	5.15	15.40
1+57	15.70	5.15	15.70
1+60	16.00	5.15	16.00
1+63	16.30	5.15	16.30
1+66	16.60	5.15	16.60
1+69	16.90	5.15	16.90
1+72	17.20	5.15	17.20
1+75	17.50	5.15	17.50
1+78	17.80	5.15	17.80
1+81	18.10	5.15	18.10
1+84	18.40	5.15	18.40
1+87	18.70	5.15	18.70
1+90	19.00	5.15	19.00
1+93	19.30	5.15	19.30
1+96	19.60	5.15	19.60
1+99	19.90	5.15	19.90
2+00	20.00	2.431	20.00




KR-PA480



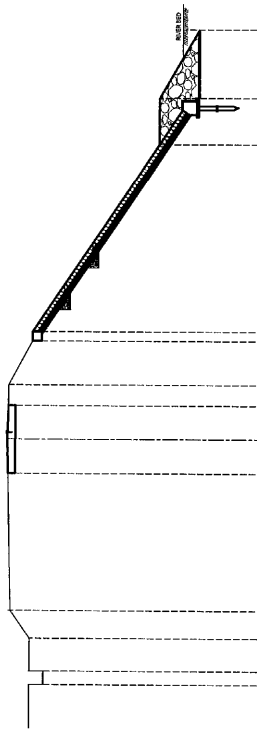
BP = 6.000M

POINT	DISTANCE (M)	ELEVATION (M)	DIRECT DISTANCE (M)
0+00	0.00	5.15	0.00
0+50	5.00	5.15	5.00
0+53	5.30	5.15	5.30
0+56	5.60	5.15	5.60
0+59	5.90	5.15	5.90
0+62	6.20	5.15	6.20
0+65	6.50	5.15	6.50
0+68	6.80	5.15	6.80
0+71	7.10	5.15	7.10
0+74	7.40	5.15	7.40
0+77	7.70	5.15	7.70
0+80	8.00	5.15	8.00
0+83	8.30	5.15	8.30
0+86	8.60	5.15	8.60
0+89	8.90	5.15	8.90
0+92	9.20	5.15	9.20
0+95	9.50	5.15	9.50
0+98	9.80	5.15	9.80
0+101	10.10	5.15	10.10
0+104	10.40	5.15	10.40
0+107	10.70	5.15	10.70
0+110	11.00	5.15	11.00
0+113	11.30	5.15	11.30
0+116	11.60	5.15	11.60
0+119	11.90	5.15	11.90
0+122	12.20	5.15	12.20
0+125	12.50	5.15	12.50
0+128	12.80	5.15	12.80
0+131	13.10	5.15	13.10
0+134	13.40	5.15	13.40
0+137	13.70	5.15	13.70
0+140	14.00	5.15	14.00
0+143	14.30	5.15	14.30
0+146	14.60	5.15	14.60
0+149	14.90	5.15	14.90
0+152	15.20	5.15	15.20
0+155	15.50	5.15	15.50
0+158	15.80	5.15	15.80
0+161	16.10	5.15	16.10
0+164	16.40	5.15	16.40
0+167	16.70	5.15	16.70
0+170	17.00	5.15	17.00
0+173	17.30	5.15	17.30
0+176	17.60	5.15	17.60
0+179	17.90	5.15	17.90
0+182	18.20	5.15	18.20
0+185	18.50	5.15	18.50
0+188	18.80	5.15	18.80
0+191	19.10	5.15	19.10
0+194	19.40	5.15	19.40
0+197	19.70	5.15	19.70
0+200	20.00	2.444	20.00



 JICA	 BWSS-V	 PT. WASKITA KARYA	Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang	REV. DATE DESCRIPTION BY	APPROVED BY DATE	AS BUILT DRAWINGS LOCATION : KURANJI RIVER NAME OF WORKS : WORKS AT UPSTREAM SITE 2 OF MANGGALO BRIDGE TITLE : CROSS SECTION PROFILE OF LEFT DIKE	SHEET NO. KR - PA - CS 1-8
				PROPOSED BY I. LOI Y HENDRO Project Manager	APPROVED BY YOSEPH USUI IAG Engineer		

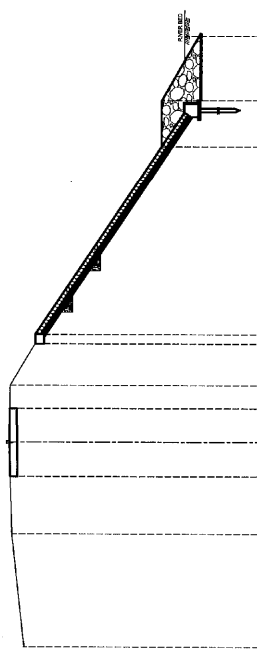
KR-R47L06



BP = -6.000M

POINT	DISTANCE (M)	ELEVATION (M)	DIRECT DISTANCE (M)
0.00	0.00	4.188	4.188
0.50	1.00	4.172	4.172
1.00	1.50	4.099	4.099
2.00	3.50	5.075	5.075
3.00	5.132	5.132	5.132
4.00	12.20	5.058	5.058
5.00	13.00	5.058	5.058
6.00	15.70	5.058	5.058
7.00	15.70	2.000	2.000
8.00	15.70	2.455	2.455
9.00	23.97	1.455	1.455
10.00	26.05	1.455	1.455
11.00	28.04	2.455	2.455

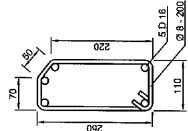
KR-R48E00



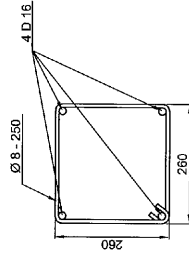
BP = -6.000M

POINT	DISTANCE (M)	ELEVATION (M)	DIRECT DISTANCE (M)
0.00	0.00	4.483	4.483
1.00	5.00	5.052	5.052
2.00	7.50	5.052	5.052
3.00	10.90	5.140	5.140
4.00	11.90	5.115	5.115
5.00	13.20	4.907	4.907
6.00	13.20	2.000	2.000
7.00	13.20	2.222	2.222
8.00	21.45	1.475	1.475
9.00	24.14	1.475	1.475
10.00	26.22	2.222	2.222

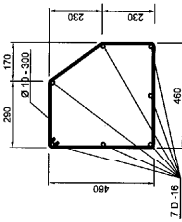
				Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang	REV. DATE DESCRIPTION BY	APPROVED BY DATE	SHEET NO.
						AS BUILT DRAWINGS LOCATION : KURANJI RIVER NAME OF WORKS : WORKS AT UPSTREAM SITE 2 OF NANGGALO BRIDGE TITLE : CROSS SECTION PROFILE OF LEFT DIKE	KR - R4 - CS 1-4
						 YUSAKU KUSUI The Engineer	
						 IKTOR HENDRO Project Manager	



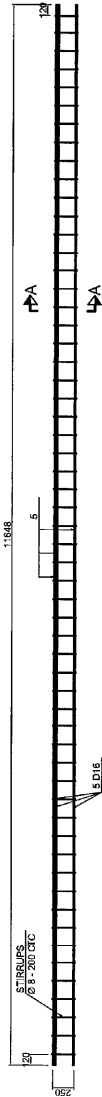
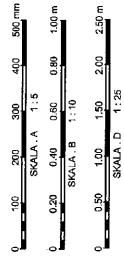
VERTICAL BEAM (SECTION A - A)
SCALE 1 : 5



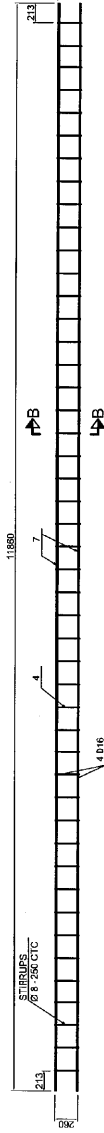
EDGE BEAM (SECTION B - B)
SCALE 1 : 5



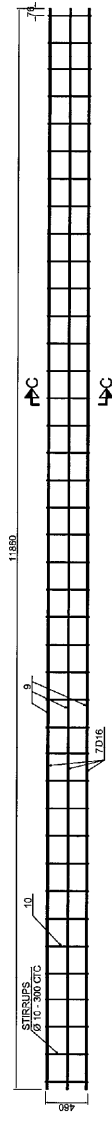
FOOT FOUNDATION (SECTION C - C)
SCALE 1 : 10



VERTICAL BEAM (L = 11.718 m)
SCALE 1 : 25



EDGE BEAM (L = 12.00 m)
SCALE 1 : 50

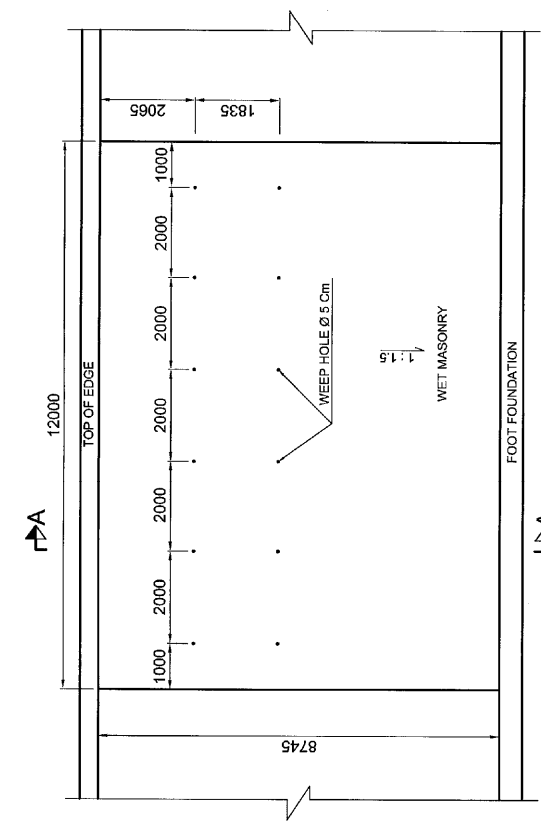


FOOT FOUNDATION (L = 12.00 m)
SCALE 1 : 25

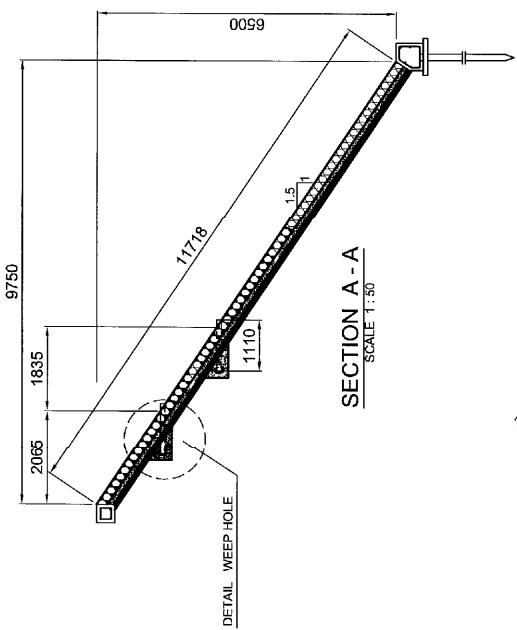
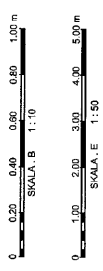
REINFORCEMENT OF BAR

REMARK	DIA (mm)	LENGTH (m)	PCS	TOTAL KG/m
VERTICAL BEAM L = 11.718 m				
4	Ø 8	0.78	59	0.40
5	D 16	11.65	5	1.38
EDGE BEAM L = 12.00 m				
4	Ø 8	1.12	48	0.40
7	D 16	11.36	4	1.58
FOOT FOUNDATION L = 12.00 m				
10	Ø 10	1.82	41	0.82
9	D 16	11.96	7	1.58
				131.17

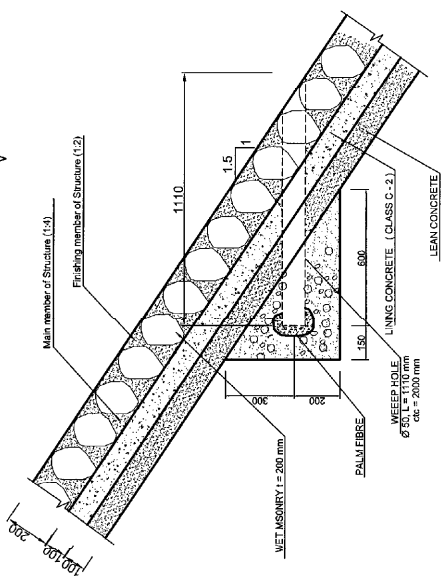
 JICA	 BWSS-V	 PT. WASKITA KARYA	Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang	REV. DATE DESCRIPTION BY	PROPOSED BY DATE Project Manager	APPROVED BY DATE The Engineer	AS BUILT DRAWINGS LOCATION : KURANJI RIVER NAME OF WORKS : WORKS AT UPSTREAM SITE 2 OF NANGGALO BRIDGE KR - R4 - SP 1-2 TITLE : DETAIL REBAR OF SLOPE PROTECTION	SHEET NO.
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PLAN OF WEEP HOLE
SCALE 1:50

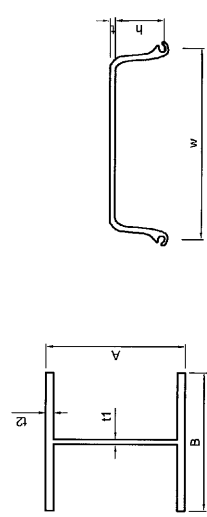
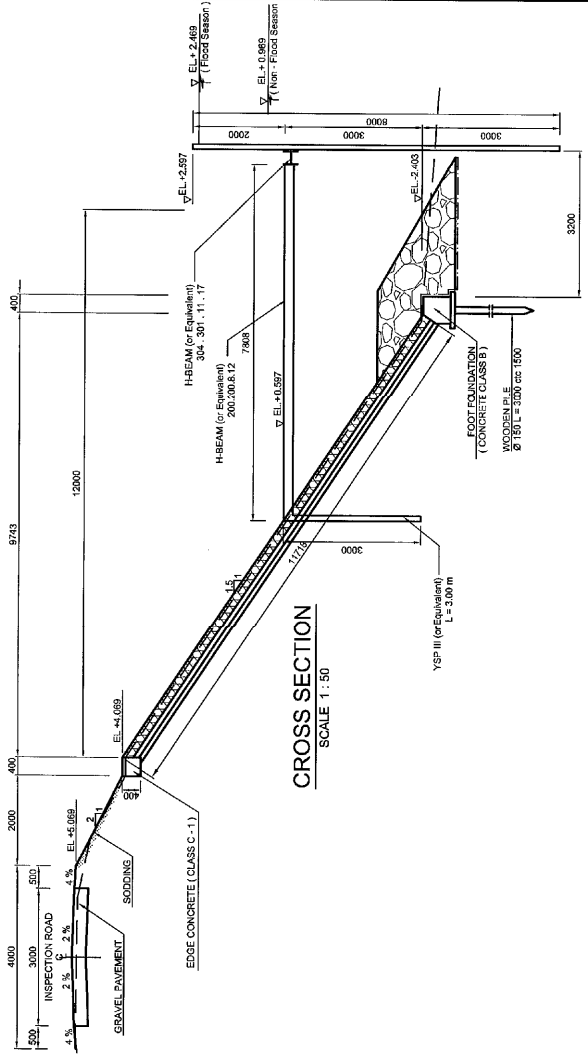


SECTION A - A
SCALE 1:50



DETAIL WEEP HOLE
SCALE 1:10

JICA BWSS-V PT. WASKITA KARYA	Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang	REV.	DATE	DESCRIPTION	BY	PROPOSED BY	DATE	APPROVED BY	DATE	AS BUILT DRAWINGS	SHEET NO.
											LOCATION : KURANJI RIVER NAME OF WORKS : WORKS AT UPSTREAM SITE 2 OF NANGGALO BRIDGE TITLE : DETAIL WEEP HOLE

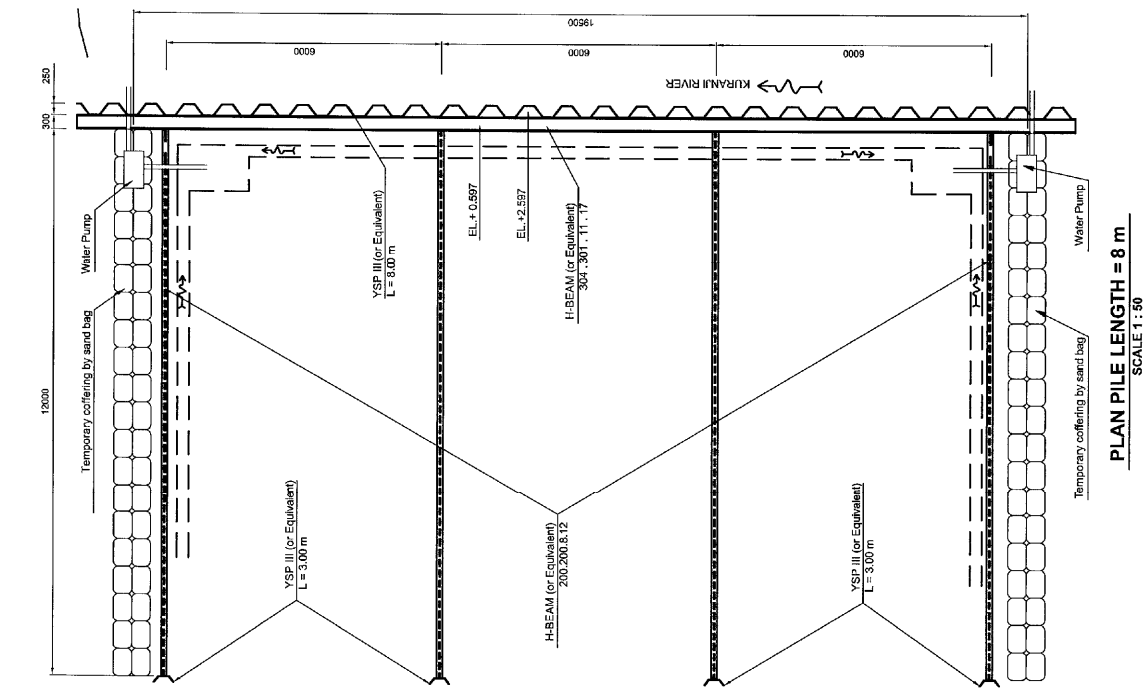
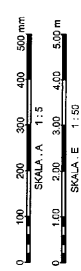


SECTION OF H-BEAM

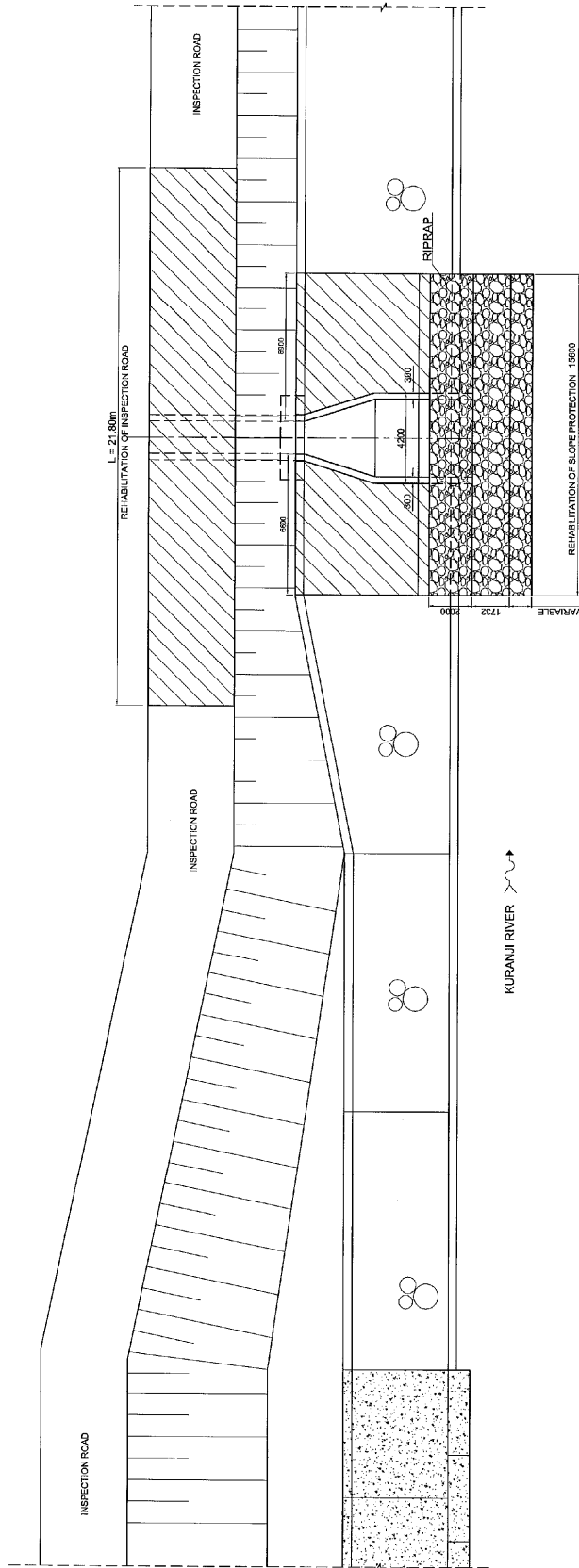
TYPE	A (mm)	B (mm)	T1 (mm)	T2 (mm)
H-304-301.11	304	301	11	17
H-200-200.8	200	200	8	12

SECTION OF SHEET PILE

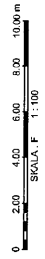
TYPE	W (mm)	F (mm)	L (mm)
TYPE II	400	100	10.5
TYPE III	400	125	13



 JICA	 BWSS-V	 PT. WASKITA KARYA	Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang	AS BUILT DRAWINGS LOCATION : KURANJI RIVER NAME OF WORKS : WORKS AT UPSTREAM SITE 2 OF NANGGALO BRIDGE TITLE : PLAN & SECTION OF TEMPORARY COFFERING	SHEET NO. KR-PA-TC-1
REV. DATE DESCRIPTION BY		PROPOSED BY DATE PROJECT MANAGER		APPROVED BY DATE THE ENGINEER	

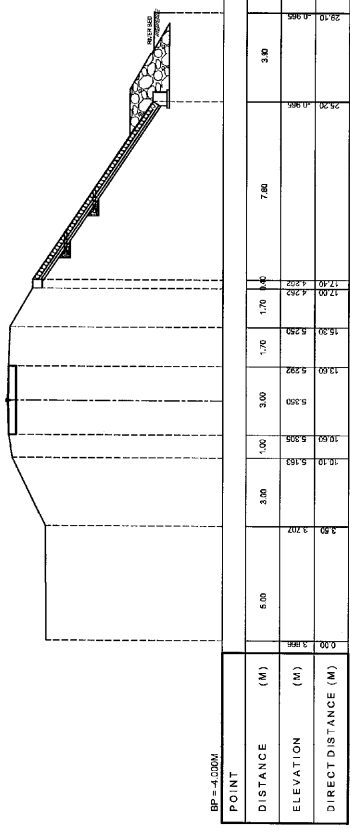


PLAN
SCALE 1:100

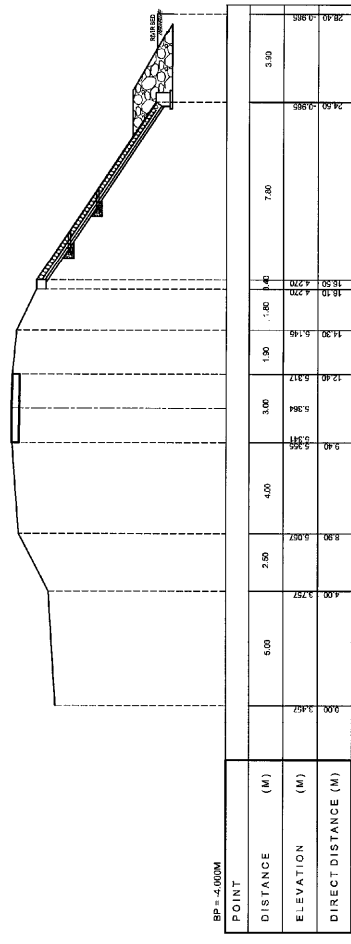


JICA BWSS-V WASKITA KARYA PT. WASKITA KARYA		Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang		REV. DATE DESCRIPTION BY	PROPOSED BY DATE T. LOYU BENDUKO Project Manager	APPROVED BY DATE Yusel Jusri The Engineer	AS BUILT DRAWINGS LOCATION : KURANJI RIVER NAME OF WORKS : WORKS AT UPSTREAM SITE 3 OF MANGGALO BRIDGE TITLE : PLAN	SHEET NO. KR - RS - P - 1
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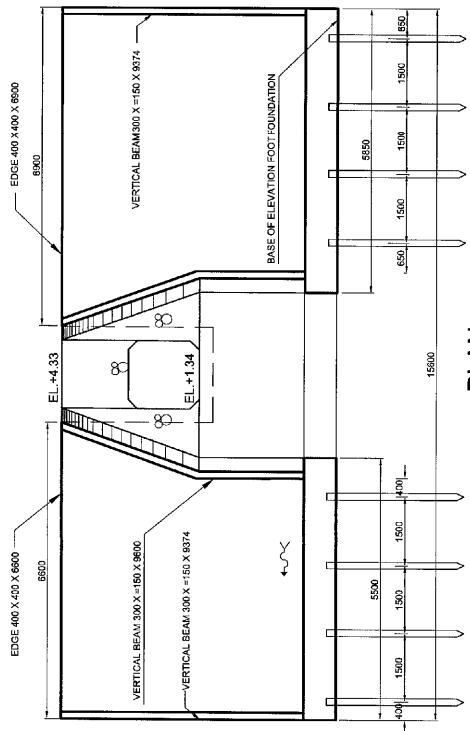
KRR-R5 10.30



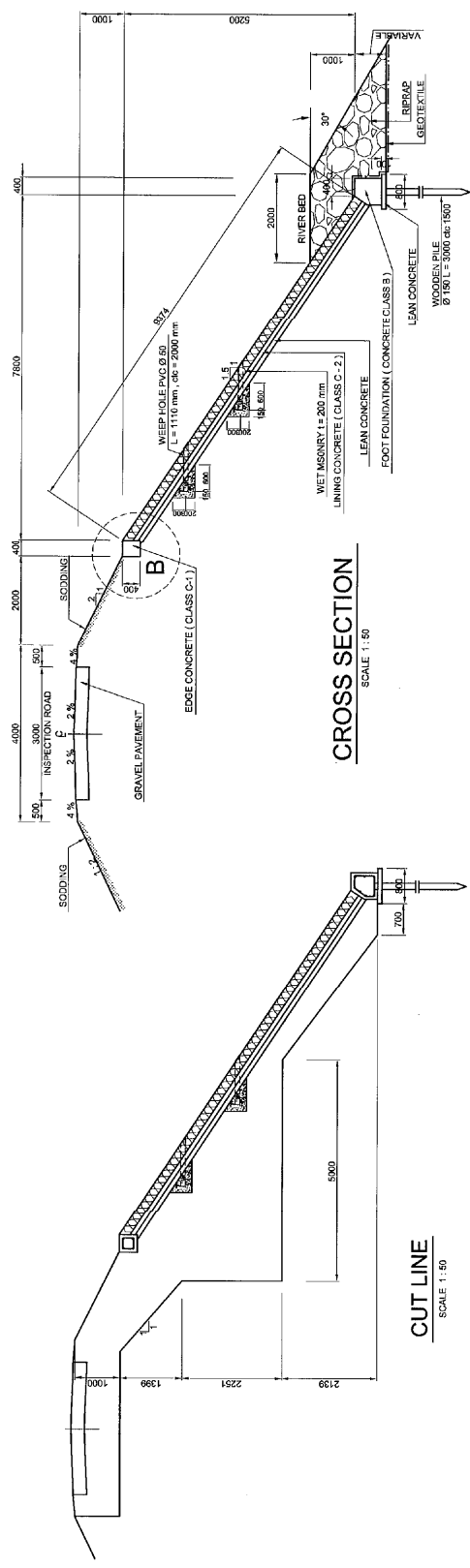
KRR-R5 15.80



	Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang	REV.	DATE	DESCRIPTION	BY	PROPOSED BY	APPROVED BY	AS BUILT DRAWINGS	SHEET NO.
						I. LOVY PRABOWO Project Manager	Y. S. H. S. H. The Engineer	LOCATION : KURANJI RIVER NAME OF WORKS : WORKS AT UPSTREAM SITE 3 OF NANGGALO BRIDGE TITLE : .GROSS SECTION PROFILE OF LEFT DIKE	KR - RS - CS 1-2

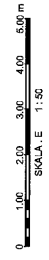


PLAN
SCALE 1:50

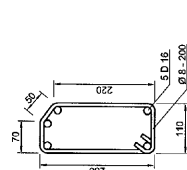


CROSS SECTION
SCALE 1:50

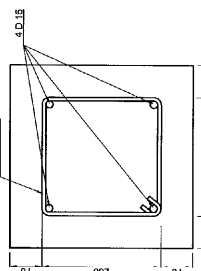
CUT LINE
SCALE 1:50



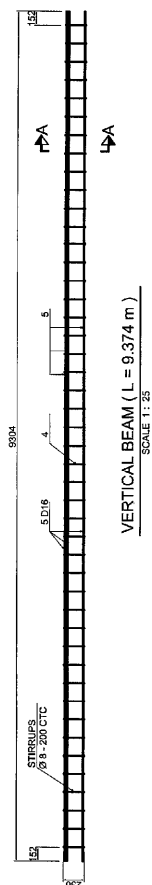
			Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang				AS BUILT DRAWINGS	SHEET NO.
			PT. WASKITA KARYA	BY	DATE	DESCRIPTION	APPROVED BY DATE	LOCATION : KURANJI RIVER NAME OF WORKS : WORKS AT UPSTREAM SITE 3 OF MANGGALO BRIDGE TITLE : SLOPE PROTECTION WET MASONRY
JICA	BWSS-V	PT. WASKITA KARYA	PROJECT MANAGER L. LOLY HENDRO	PROJECT MANAGER	PROJECT MANAGER	PROJECT MANAGER	PROJECT MANAGER	



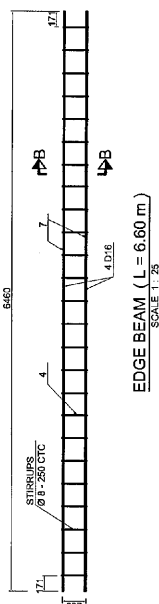
VERTICAL BEAM (SECTION A-A)
SCALE 1:5



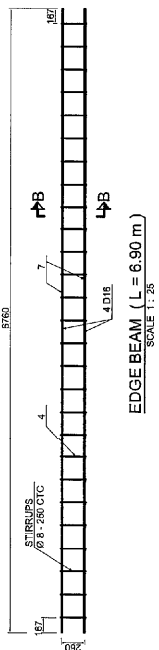
EDGE BEAM (SECTION B-B)
SCALE 1:5



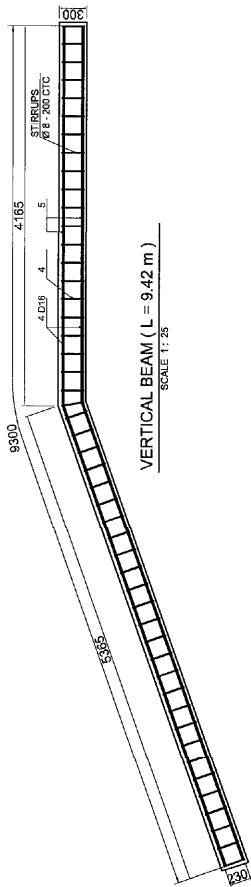
VERTICAL BEAM (L = 9.374 m)
SCALE 1:25



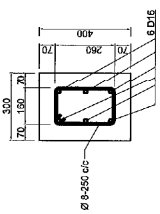
EDGE BEAM (L = 6.80 m)
SCALE 1:25



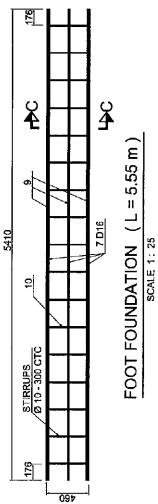
EDGE BEAM (L = 6.90 m)
SCALE 1:25



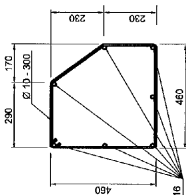
VERTICAL BEAM (L = 9.42 m)
SCALE 1:25



VERTICAL BEAM (SECTION D-D)
SCALE 1:5



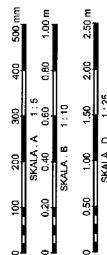
FOOT FOUNDATION (L = 5.55 m)
SCALE 1:25



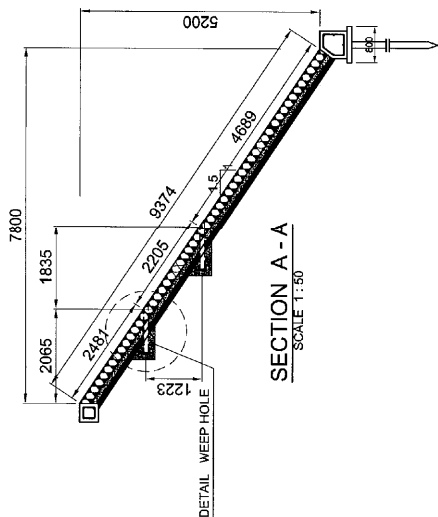
FOOT FOUNDATION (SECTION C-C)
SCALE 1:10

REINFORCEMENT OF BAR

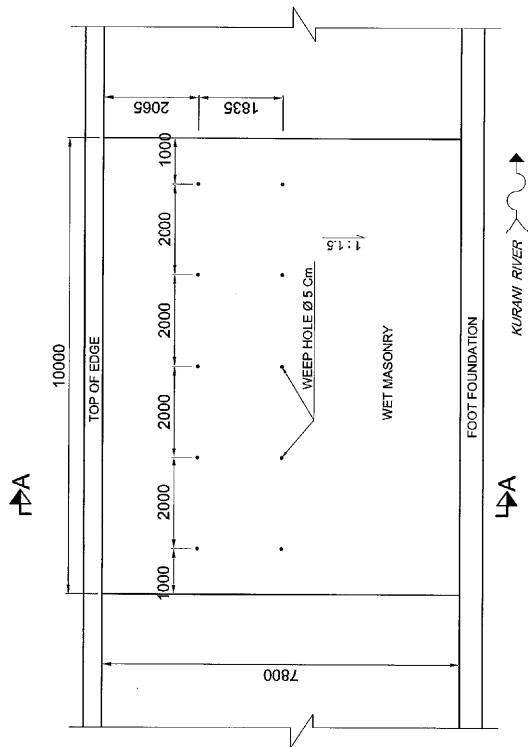
REMARK	DIA (mm)	LENGTH (m)	PCS	TOTAL (Kg)
VERTICAL BEAM L = 9.374 m	8	0.97	48	0.40
	16	9.30	5	1.58
VERTICAL BEAM L = 3.42 m	8	0.92	48	0.40
	16	9.30	5	1.58
EDGE BEAM L = 3.50 m	8	1.12	28	0.40
	16	6.76	4	1.58
HORIZONTAL BEAM L = 3.60 m	8	1.12	27	0.40
	16	6.48	4	1.58
FOOT FOUNDATION L = 5.65 m	10	1.82	20	0.62
	16	5.71	7	1.58
FOOT FOUNDATION L = 5.55 m	10	1.82	19	0.62
	16	5.41	7	1.58



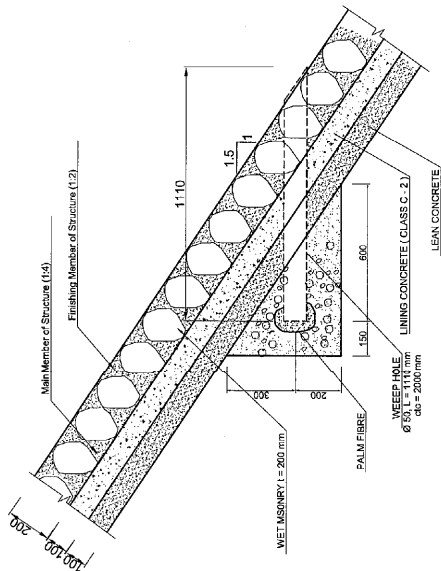
	Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang	AS BUILT DRAWINGS LOCATION : KURANJI RIVER NAME OF WORKS : WORKS AT UPSTREAM SITE 3 OF MANGGALO BRIDGE TITLE : DETAIL REBAR OF SLOPE PROTECTION	SHEET NO. KR-PS-SP-1-2
	APPROVED BY DATE	PROPOSED BY DATE	APPROVED BY DATE
REV. DATE DESCRIPTION BY	REV. DATE DESCRIPTION BY	REV. DATE DESCRIPTION BY	REV. DATE DESCRIPTION BY



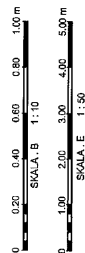
SECTION A - A
SCALE 1:50



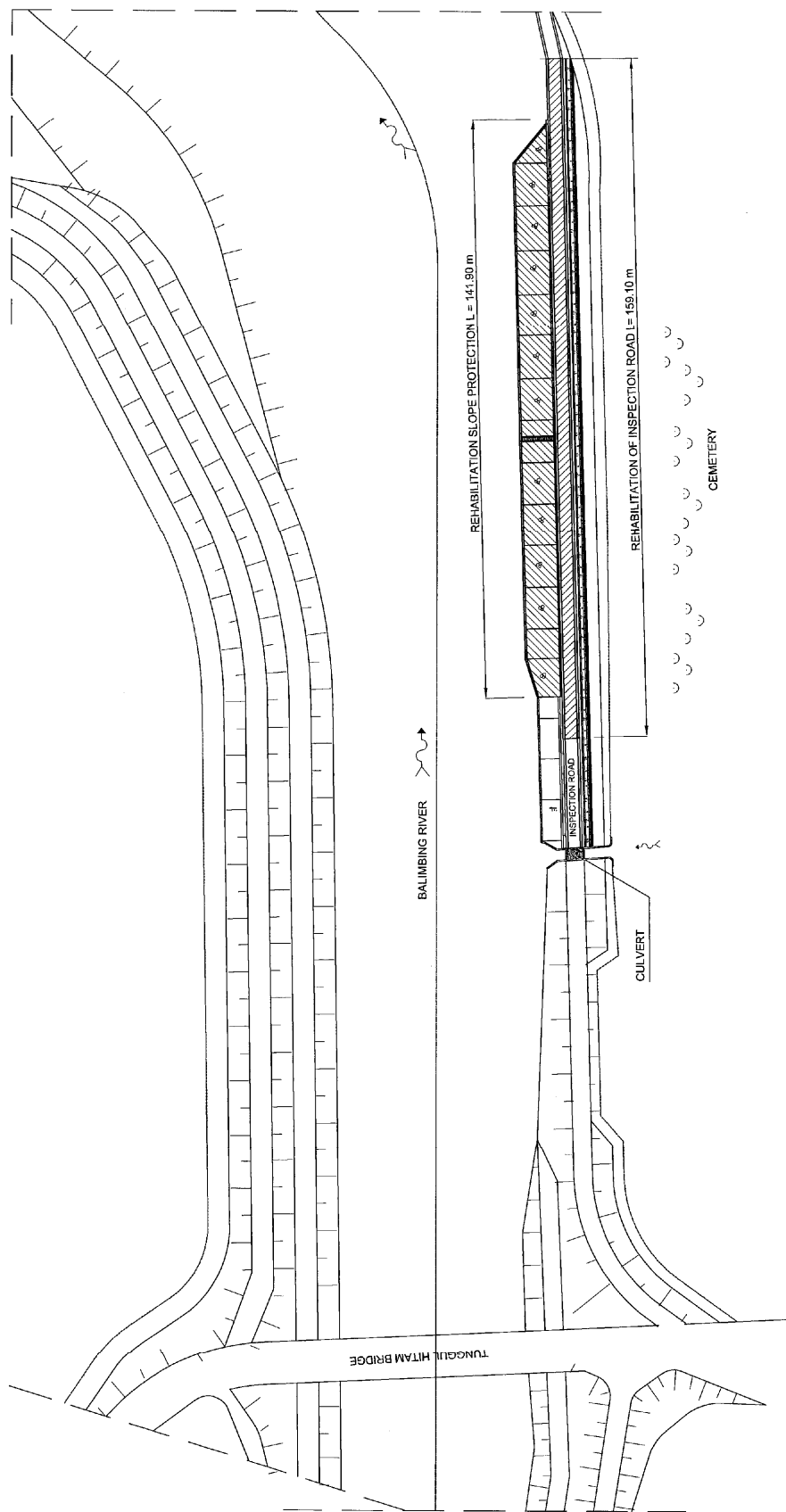
PLAN OF WEEP HOLE
SCALE 1:50



DETAIL WEEP HOLE
SCALE 1:10

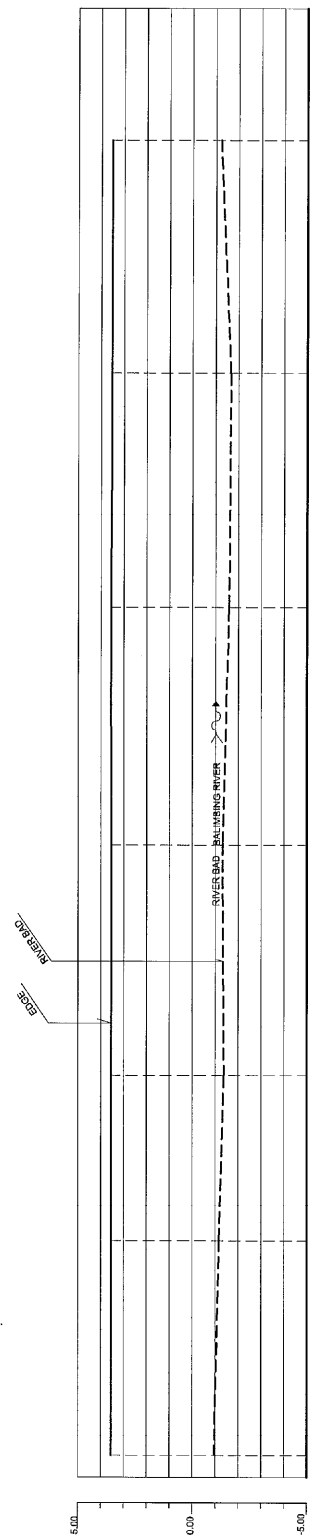


JICA BWSS-V WASKITA KARYA PT. WASKITA KARYA	Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang	REV.	DATE	DESCRIPTION	BY	PROPOSED BY DATE	APPROVED BY DATE	AS BUILT DRAWINGS	SHEET NO.
							PROJECT MANAGER T. FLORENTINO	THE ENGINEER THE ENGINEER	LOCATION : KURANJI RIVER NAME OF WORKS : WORKS AT UPSTREAM SITE 3 OF MANGGALO BRIDGE TITLE : DETAIL WEEP HOLE



PLAN
SCALE 1 : 500

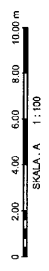
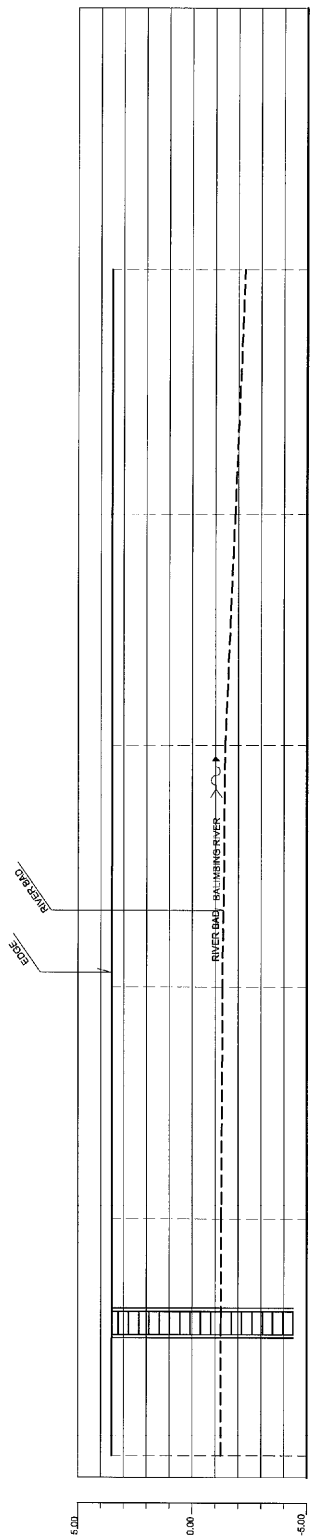
						Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang		SHEET NO. AS BUILT DRAWINGS LOCATION : BALIMBING RIVER NAME OF WORKS : WORKS AT DOWNSTREAM SITE OF TUNGGUL HITAM BRIDGE TITLE : PLAN	
REV.	DATE	DESCRIPTION	BY	PROPOSED BY DATE	APPROVED BY DATE	I. HENDRO Project Manager Yuseliusui The Engineer			



BL-R1-0.0	BL-R1-10.0	BL-R1-20.0	BL-R1-30.0	BL-R1-40.0	BL-R1-50.0
0.00	10.00	20.00	30.00	40.00	50.00
-0.951	-1.174	-1.375	-1.528	-1.801	-1.873
3.541	3.544	3.549	3.549	3.662	3.534
SLOPE DIKE CROWN AS BUILT (M) EDGE AS BUILT (M) RIVER BAD AS BUILT (M) CUMULATIVE BETWEEN TWO SECTION DISTANCE (M)					

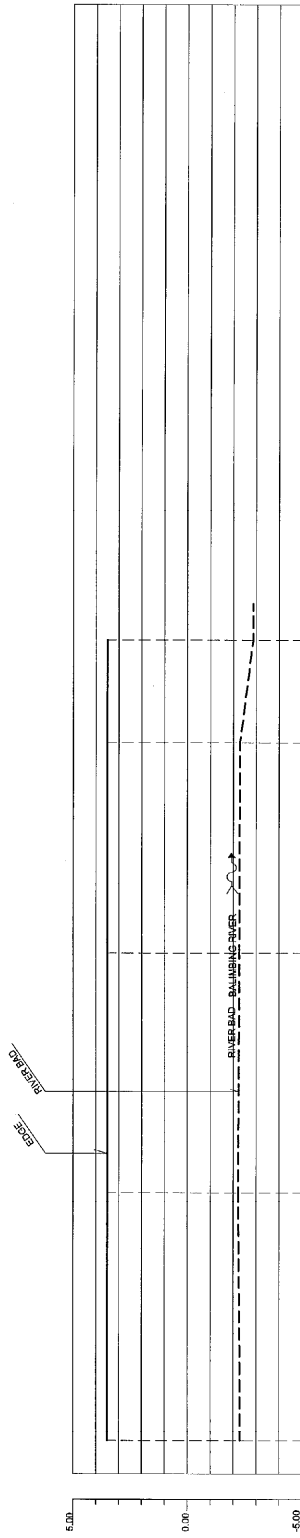


 JICA BWSS-V	 PT. WASKITA KARYA	Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang			APPROVED BY DATE YOSEPH GUSRI TRS Engineer	AS BUILT DRAWINGS LOCATION : BALIMBING RIVER NAME OF WORKS : WORKS AT UPSTREAM SITE 2 OF NANGGALO BRIDGE TITLE : LONGITUDINAL PROFILE OF RIGHT DIKE	SHEET NO. BL - R1 - LP4-H
		REV.	DATE	DESCRIPTION			



BL-R1.60	BL-R1.70	BL-R1.80	BL-R1.90	BL-R1.100	BL-R1.110
60.00	70.00	80.00	90.00	100.00	110.00
-1.238	-1.267	-1.323	-1.433	-1.868	-2.303
3.534	3.515	3.523	3.509	3.519	3.571
10.00	10.00	10.00	10.00	10.00	10.00
SECTION NO.					
DISTANCE (M) AS BUILT (M)					
CUMULATIVE BETWEEN TWO SECTION					
RIVER BASIN					
EDGE					
EL OF DKE CROWN					

 JICA	 BWSS-V	 PT. WASKITTA KARYA	Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang	REV.	DATE	DESCRIPTION	BY	PROPOSED BY DATE	APPROVED BY DATE	AS BUILT DRAWINGS	SHEET NO.
				LOCATION : BALIMBING RIVER	NAME OF WORKS : WORKS AT UPSTREAM SITE 2 OF NANGGALO BRIDGE	TITLE : LONGITUDINAL PROFILE OF RIGHT DIKE	YOSHIYUKI SUJI The Engineer	BL - R1 - LP1-2			

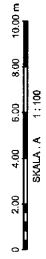



REV.	DATE	DESCRIPTION	BY	PROPOSED BY DATE	APPROVED BY DATE	SHEET NO.
						AS BUILT DRAWINGS
						LOCATION : BALIMBING RIVER
						NAME OF WORKS : WORKS AT UPSTREAM SITE 2 OF MANGGALO BRIDGE
						TITLE : LONGITUDINAL PROFILE OF RIGHT DIKE
						BL - R1 - LP1-3

BL-R1-110	BL-R1-120	BL-R1-130	BL-R1-140.40	BL-R1-144.80
110.00 - 2.303 3.521	120.00 - 2.224 3.509	130.00 - 2.268 3.499	140.00 - 2.298 3.505	144.50 - 2.872 3.504
10.00	10.00	10.00	10.00	4.50


BL-R1-110	BL-R1-120	BL-R1-130	BL-R1-140.40	BL-R1-144.80
110.00	120.00	130.00	140.00	144.50
2.303	2.224	2.268	2.298	2.872
3.521	3.509	3.499	3.505	3.504

BL-R1-110	BL-R1-120	BL-R1-130	BL-R1-140.40	BL-R1-144.80
110.00	120.00	130.00	140.00	144.50
2.303	2.224	2.268	2.298	2.872
3.521	3.509	3.499	3.505	3.504






JICA




BWSS-V




PT. WASKITA KARYA

Republic of Indonesia
Project for Post-earthquake Rehabilitation of
Water Resources Management Facilities
in Padang

AS BUILT DRAWINGS
LOCATION : BALIMBING RIVER
NAME OF WORKS : WORKS AT UPSTREAM SITE 2 OF MANGGALO BRIDGE
TITLE : LONGITUDINAL PROFILE OF RIGHT DIKE
BL - R1 - LP1-3

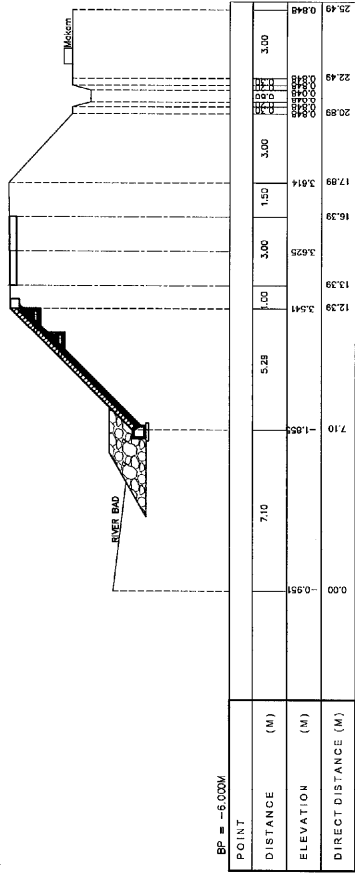


Project Manager

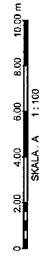
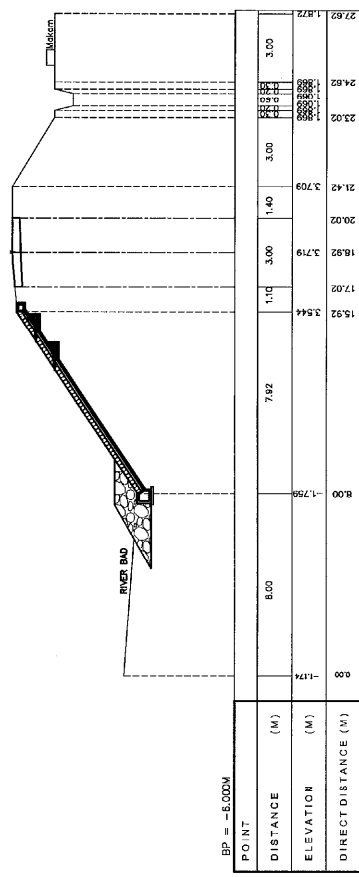


The Engineer

BL-R1-00

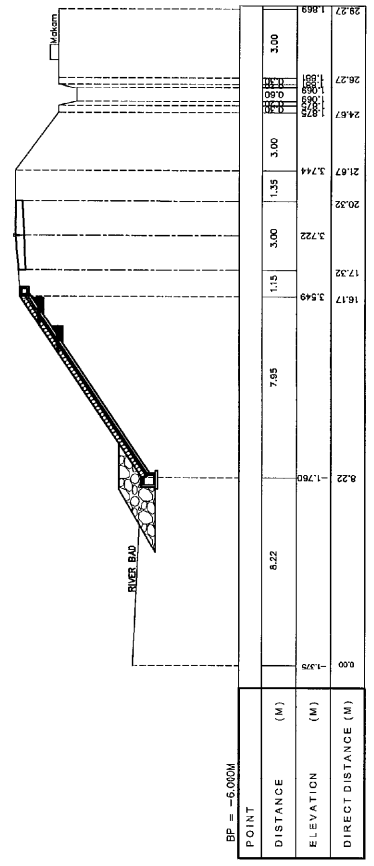


BL-R1 .10

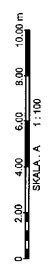
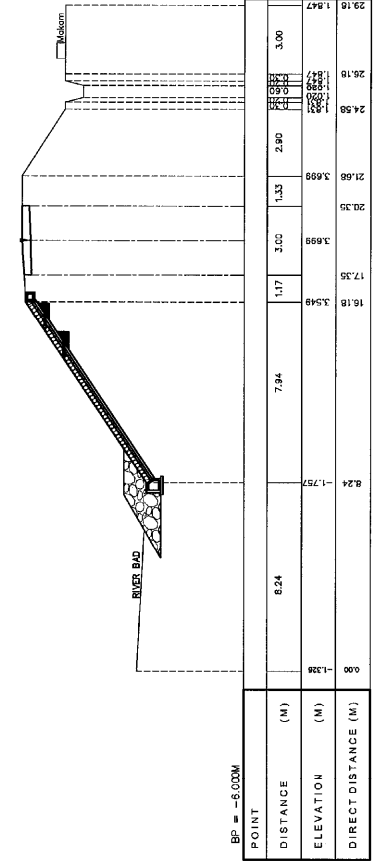


JICA BWSS-V WASKITA PT. WASKITA KARYA	Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang	REV.	DATE	DESCRIPTION	BY	PROPOSED BY	APPROVED BY	SHEET NO. ASBUILT DRAWINGS BALIMBING RIVER WORKS AT UPSTREAM SITE 2 OF NANGGALO BRIDGE CROSS SECTION PROFILE OF RIGHT DIKE

BL-R1 .20

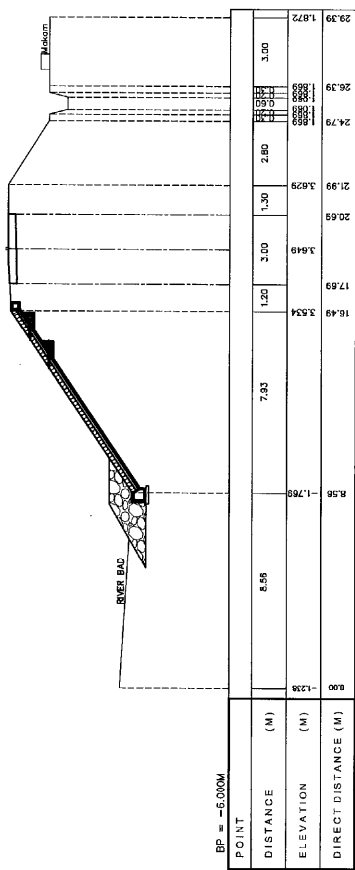


BL-R1 .30

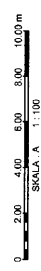
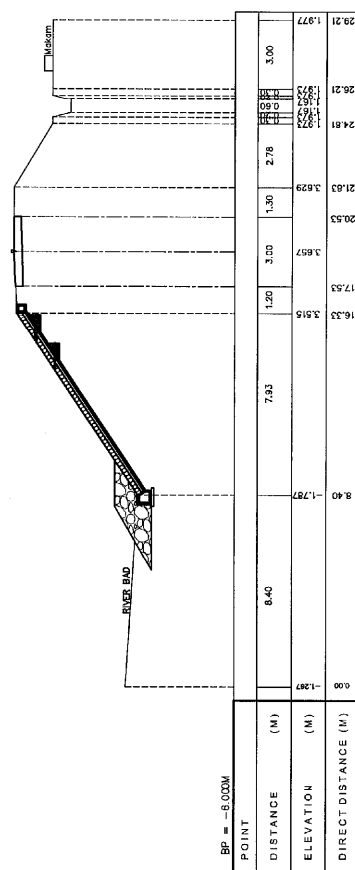


 JICA	 PT. WASKITA KARYA	Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang	REV.	DATE	DESCRIPTION	BY	PROPOSED BY	DATE	APPROVED BY	DATE	SHEET NO.
						F. LOLY HENDRO Project Manager			ASBUILT DRAWINGS BALIMBING RIVER		
						YESUSULI The Engineer			LOCATION : BALIMBING RIVER NAME OF WORKS : WORKS AT UPSTREAM SITE 2 OF NANGGALO BRIDGE TITLE : .GROSS SECTION PROFILE OF RIGHT DIKE		

BL-R1 .60

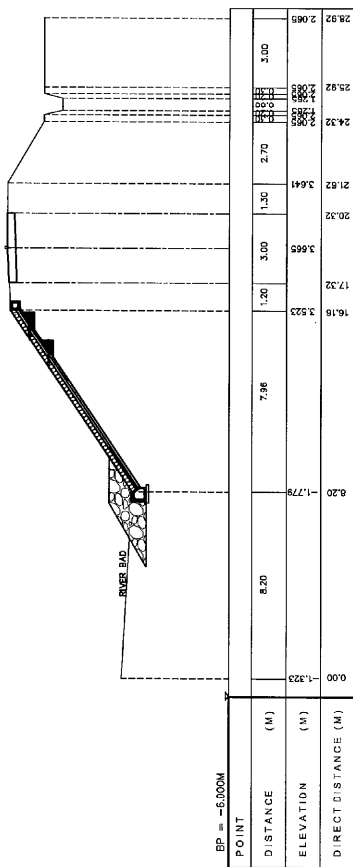


BL-R1 .70

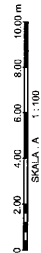
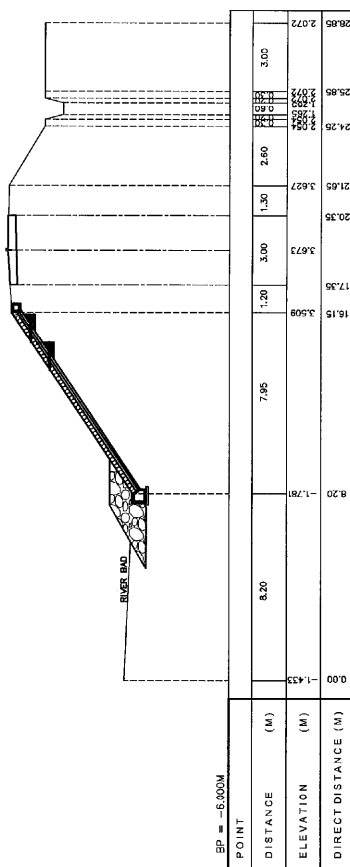


JICA BWSS-V WASKITA PT. WASKITA KARYA	Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang	REV. DATE DESCRIPTION BY	PROPOSED BY DATE I. LOKY HENDRO Project Manager	APPROVED BY DATE Yusuke USUI The Engineer	ASBUILT DRAWINGS LOCATION : BALIMBING RIVER NAME OF WORKS : WORKS AT UPSTREAM SITE 2 OF NAGGALO BRIDGE TITLE : GROSS SECTION PROFILE OF RIGHT DIKE	SHEET NO. BL - R1 - C8 1.4
		SCALE A 1:100 0 2.00 4.00 6.00 8.00 10.00 m			SHEET NO.	

BL-R1 .80

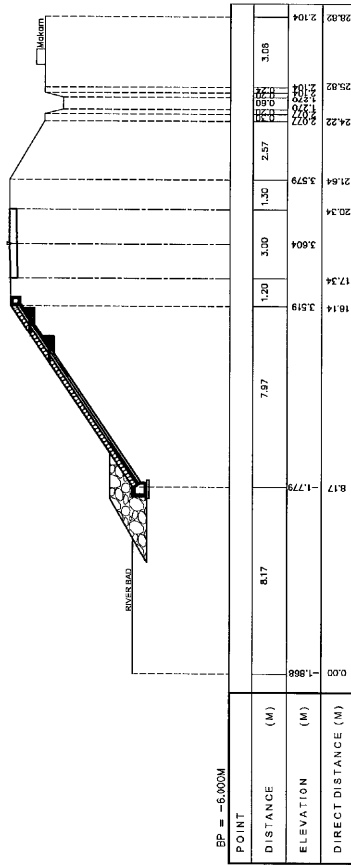


BL-R1 .90

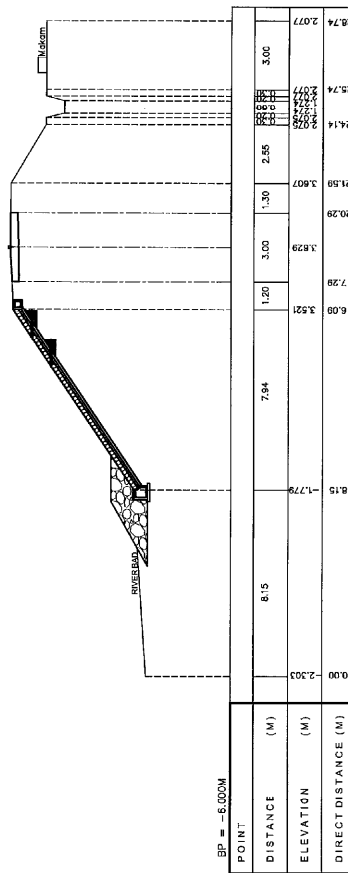


JICA BWSS-V PT. WASKITA KARYA	Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang	REV.	DATE	DESCRIPTION	BY	PROPOSED BY	APPROVED BY	SHEET NO. ASBUILT DRAWINGS LOCATION : BALIMBING RIVER NAME OF WORKS :WORKS AT UPSTREAM SITE 2 OF MANGGALO BRIDGE TITLE :CROSS SECTION PROFILE OF RIGHT DIKE

BL-R1 .100

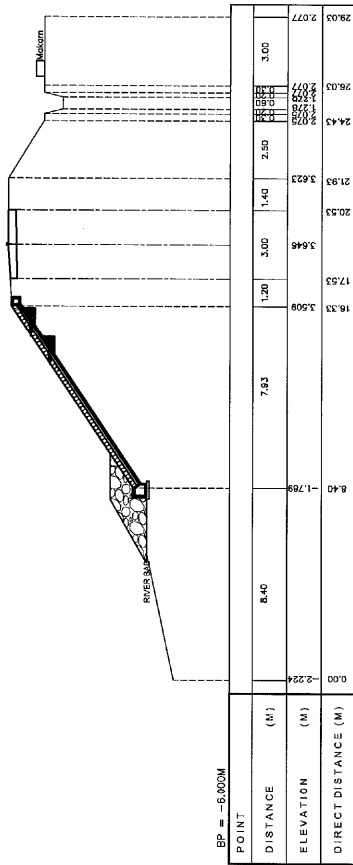


BL-R1 .110

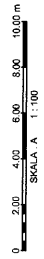
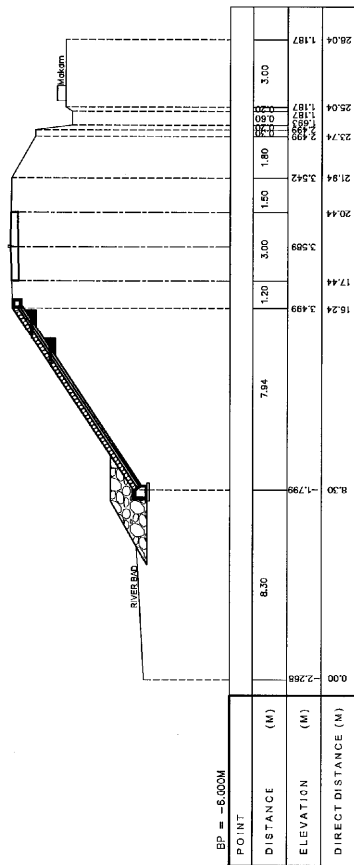


JICA BWSS-V WASKITA PT. WASKITA KARYA	Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang	REV.	DATE	DESCRIPTION	BY	PROPOSED BY	DATE	APPROVED BY	DATE	SHEET NO. ASBUILT DRAWINGS BALIMBING RIVER LOCATION NAME OF WORKS WORKS AT UPSTREAM SITE 2 OF MANGGALO BRIDGE BL - R1 - 05 1-8 TITLE CROSS SECTION PROFILE OF RIGHT DIKE
							 F. LOY HENDRO Project Manager		 YOSHIKUSUJI THE Engineer	

BL-R1 .120

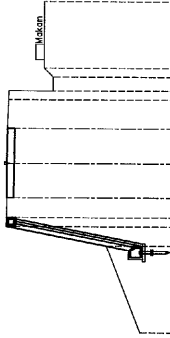


BL-R1 .130



JICA BWSS-V WASKITA PT. WASKITA KARYA	Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang	REV.	DATE	DESCRIPTION	BY	PROPOSED BY	DATE	APPROVED BY	DATE	ASBUILT DRAWINGS	SHEET NO.
											LOCATION : BALIMBING RIVER NAME OF WORKS : WORKS AT UPSTREAM SITE 2 OF NANGGALO BRIDGE TITLE : CROSS SECTION PROFILE OF RIGHT DIKE

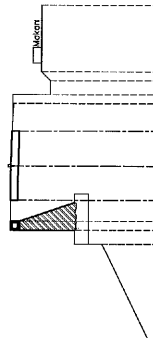
BL-R1 .140.40



BP = -6.000M

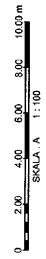
POINT	DISTANCE (M)	ELEVATION (M)	DIRECT DISTANCE (M)
0.00	0.00	14.74	1.994
0.25	0.25	14.44	1.994
0.50	0.50	14.14	1.994
0.75	0.75	13.84	1.994
1.00	1.00	13.54	1.994
1.25	1.25	13.24	1.994
1.50	1.50	12.94	1.994
1.75	1.75	12.64	1.994
2.00	2.00	12.34	1.994
2.25	2.25	12.04	1.994
2.50	2.50	11.74	1.994
2.75	2.75	11.44	1.994
3.00	3.00	11.14	1.994
3.25	3.25	10.84	1.994
3.50	3.50	10.54	1.994
3.75	3.75	10.24	1.994
4.00	4.00	9.94	1.994






BL-R1 144.50

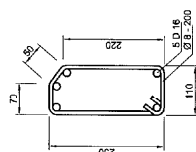


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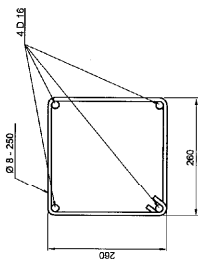
POINT	DISTANCE (M)	ELEVATION (M)	DIRECT DISTANCE (M)
0.00	0.00	15.20	2.175
0.25	0.25	14.90	2.175
0.50	0.50	14.60	2.175
0.75	0.75	14.30	2.175
1.00	1.00	14.00	2.175
1.25	1.25	13.70	2.175
1.50	1.50	13.40	2.175
1.75	1.75	13.10	2.175
2.00	2.00	12.80	2.175
2.25	2.25	12.50	2.175
2.50	2.50	12.20	2.175
2.75	2.75	11.90	2.175
3.00	3.00	11.60	2.175
3.25	3.25	11.30	2.175
3.50	3.50	11.00	2.175
3.75	3.75	10.70	2.175
4.00	4.00	10.40	2.175
4.25	4.25	10.10	2.175
4.50	4.50	9.80	2.175
4.75	4.75	9.50	2.175
5.00	5.00	9.20	2.175
5.25	5.25	8.90	2.175
5.50	5.50	8.60	2.175
5.75	5.75	8.30	2.175
6.00	6.00	8.00	2.175



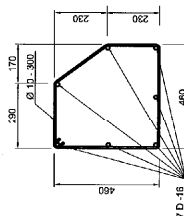
 JICA	 BWSS-V	 PT. WASKITA KARYA	Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang	REV. DATE DESCRIPTION BY	PROPOSED BY DATE  PROJECT MANAGER	APPROVED BY DATE  THE ENGINEER	ASBUILT DRAWINGS .BALIMBING RIVER LOCATION NAME OF WORKS WORKS AT UPSTREAM SITE 2 OF NANGGALO BRIDGE BL-R1-CS 14 TITLE CROSS SECTION PROFILE OF RIGHT DIKE	SHEET NO.
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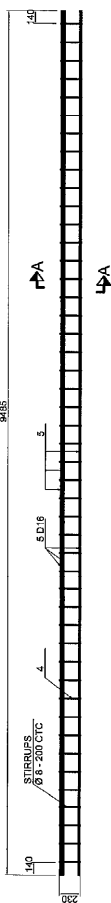
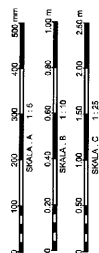
VERTICAL BEAM (SECTION A - A)
SCALE 1 : 5



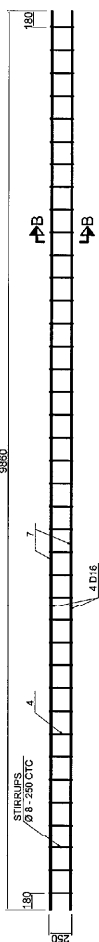
EDGE BEAM (SECTION B - B)
SCALE 1 : 5



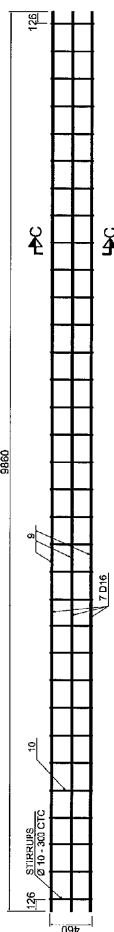
FOOT FOUNDATION (SECTION C - C)
SCALE 1 : 10



VERTICAL BEAM (L = 9.56 m)
SCALE 1 : 25



EDGE BEAM (L = 10.00 m)
SCALE 1 : 25

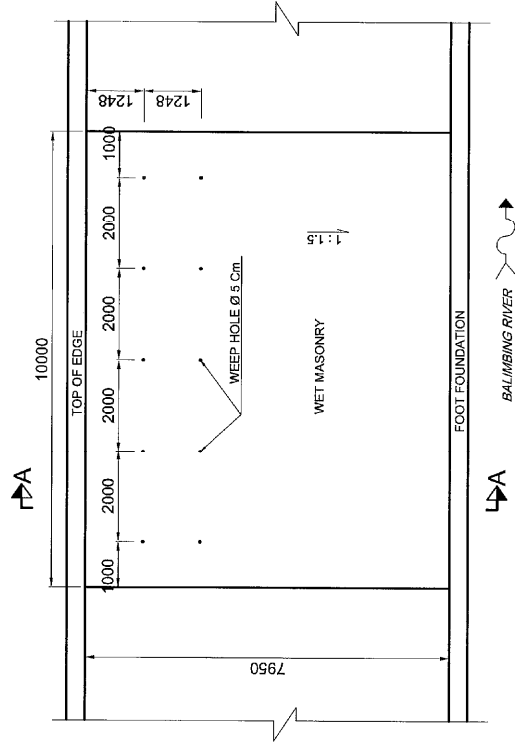


FOOT FOUNDATION (L = 10.00 m)
SCALE 1 : 25

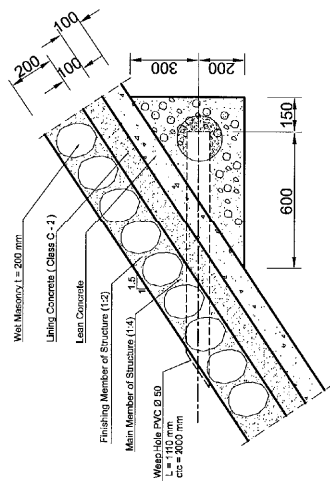
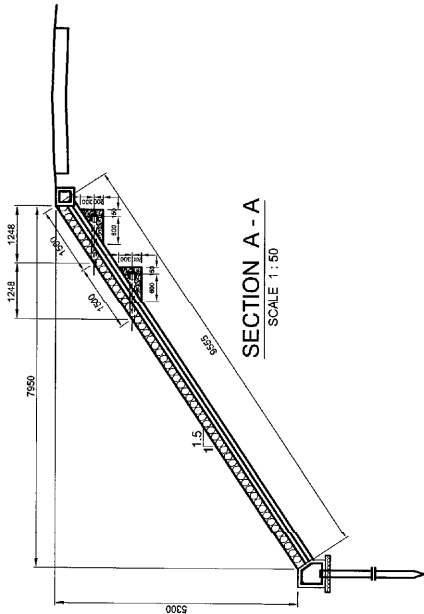
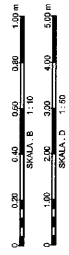
REINFORCEMENT OF BAR

REMARK	DIA (mm)	LENGTH (m)	POS	TOTAL (kg)
VERTICAL BEAM L = 9.56 m	4 Ø 8	0.74	48	0.40
	5 D 16	0.48	5	1.58
EDGE BEAM L = 10.00 m	4 Ø 8	1.13	40	0.40
	7 D 16	0.98	4	1.58
FOOT FOUNDATION L = 10.00 m	10 Ø 10	1.68	33	0.82
	5 D 16	0.96	7	1.58

			Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang	AS BUILT DRAWINGS LOCATION : BALIMBING RIVER NAME OF WORKS : WORKS AT UPSTREAM SITE 2 OF NANGGALD BRIDGE TITLE : DETAIL REBAR OF SLOPE PROTECTION	SHEET NO. BL - R1 - SP - 1-2
			PT. WASKITA KARYA	APPROVED BY DATE	APPROVED BY DATE
				H. TOBY HENDRO Project Manager	YOSHIYUKI TIG Engineer

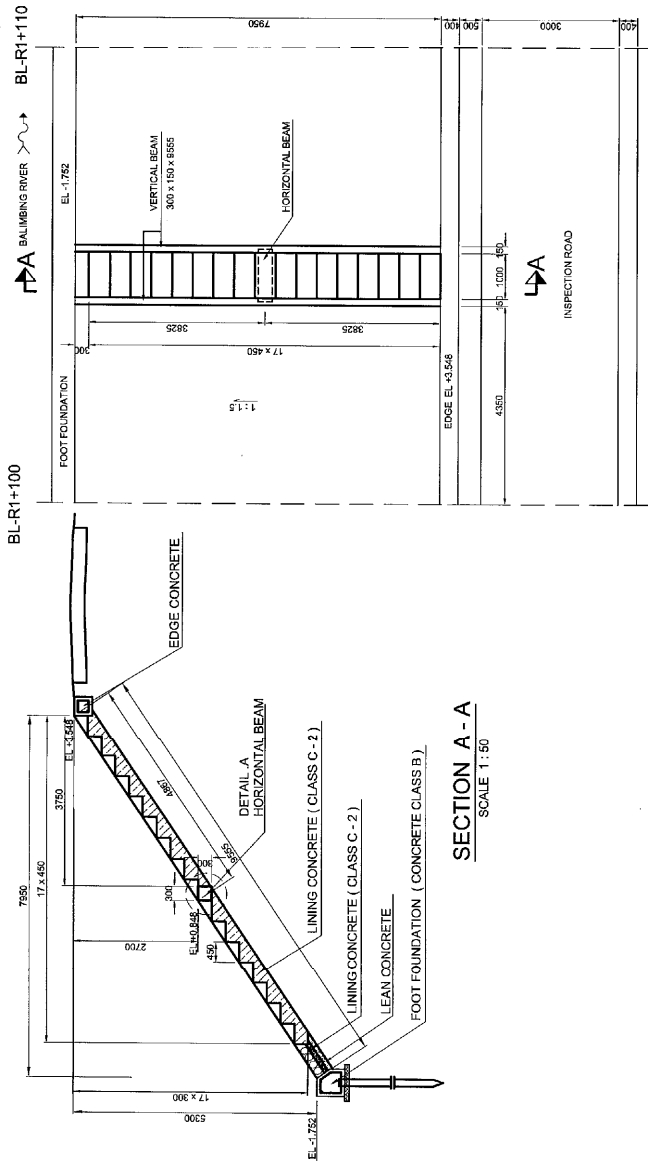


PLAN OF WEEP HOLE
SCALE 1 : 50

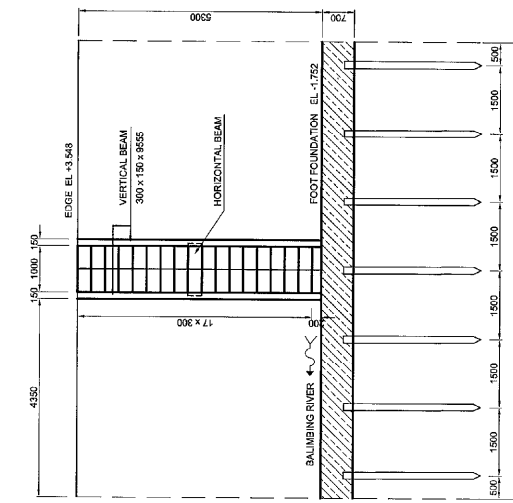


DETAIL B (WEEP HOLE)
SCALE 1 : 10

JICA BWSS-V PT. WASKITA KARYA	Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities In Padang	REV.	DATE	DESCRIPTION	BY	PROPOSED BY	APPROVED BY	AS BUILT DRAWINGS LOCATION : BALIMBING RIVER NAME OF WORKS : WORKS AT UPSTREAM SITE 2 OF NANGGALO BRIDGE TITLE : DETAIL WEEP HOLE	SHEET NO. BAL-R1-SP-13
						I. F. COYUTRETO Project Manager	Y. S. USUI The Engineer		

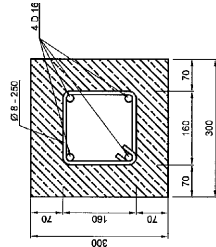


SECTION A - A
SCALE 1:50

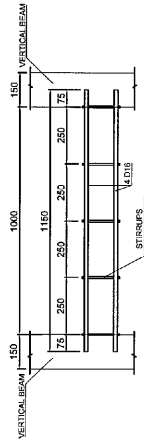


FRONT VIEW
SCALE 1:50

PLAN
SCALE 1:50



DETAIL . A (HORIZONTAL BEAM)
SCALE 1:5

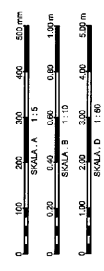


HORIZONTAL BEAM
SCALE 1:10

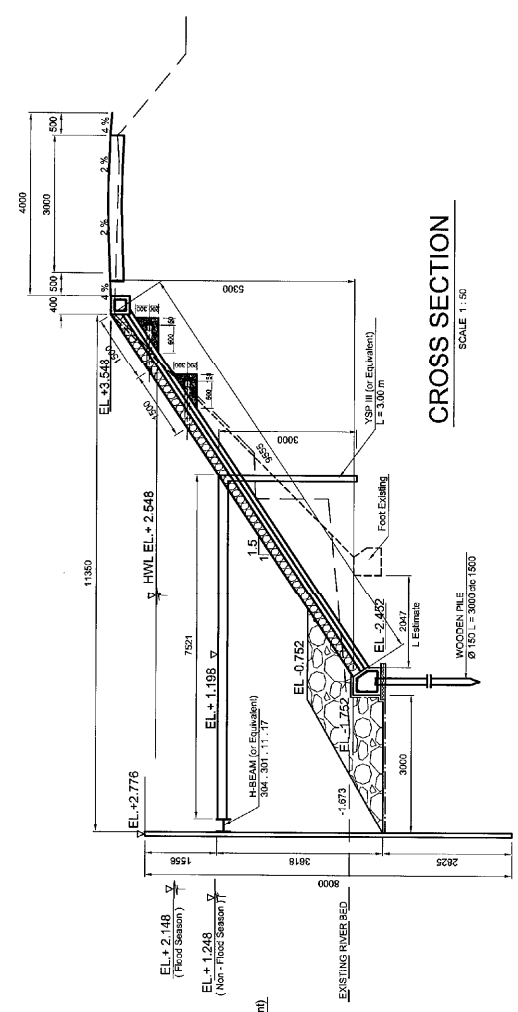
REINFORCEMENT OF BAR

REMARK	DIA (mm)	LENGTH (m)	PCS	TOTAL (kg)
HORIZONTAL BEAM L = 1,00 m	8	0,72	5	0,40 1,44
	16	1,150	4	1,68 7,27
				TOTAL 8,71

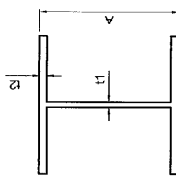
REMARK	DIA (mm)	LENGTH (m)	PCS	TOTAL (kg)
VERTICAL BEAM L = 8,55 m	8	0,67	47	0,40 10,72
	16	9,49	5	1,58 78,93
				TOTAL 86,65



	Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang	REV. DATE DESCRIPTION BY	PROPOSED BY DATE Ir. LUTY HENDRA Project Manager	APPROVED BY DATE Yusuf Jusuf The Engineer	AS BUILT DRAWINGS LOCATION : BALIMBING RIVER NAME OF WORKS : WORKS AT UPSTREAM SITE 2 OF NANGGALO BRIDGE TITLE : DETAIL STAIR	SHEET NO. BL - R1 - SP - 1 - 4
	PT. WASKITA KARYA					

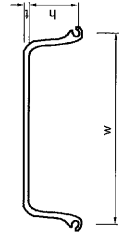


CROSS SECTION
SCALE 1:50



SECTION OF H-BEAM
SCALE 1:10

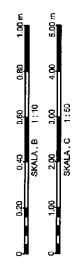
TYPE	A (mm)	B (mm)	t1 (mm)	t2 (mm)
H 304.301.11	304	301	11	17
H 200.200.8	200	200	8	12



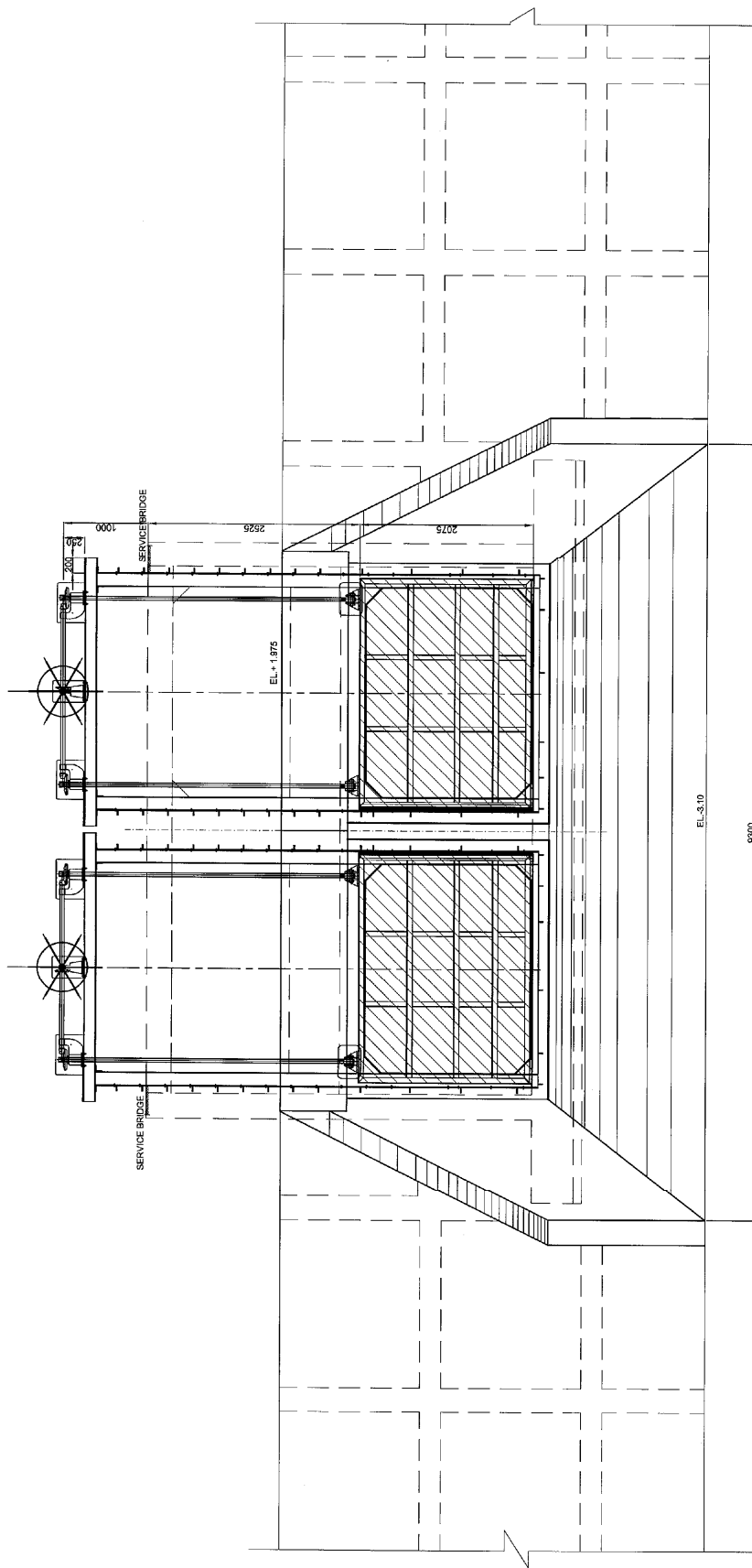
SECTION OF SHEET PILE
SCALE 1:10

TYPE	W (mm)	t (mm)	L (mm)
TYPE II	400	100	10.5
TYPE III	400	125	13

PLAN PILE LENGTH = 8 m
SCALE 1:50

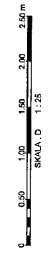







JICA WASKITA PT. WASKITA KARYA	Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang	REV.	DATE	DESCRIPTION	BY	PROPOSED BY	APPROVED BY	AS BUILT DRAWINGS	SHEET NO.
									LOCATION : BALIMBING RIVER NAME OF WORKS : WORKS AT UPSTREAM SITE 2 OF NANGALO BRIDGE TITLE : PLAN & SECTION OF TEMPORARY COFFERING

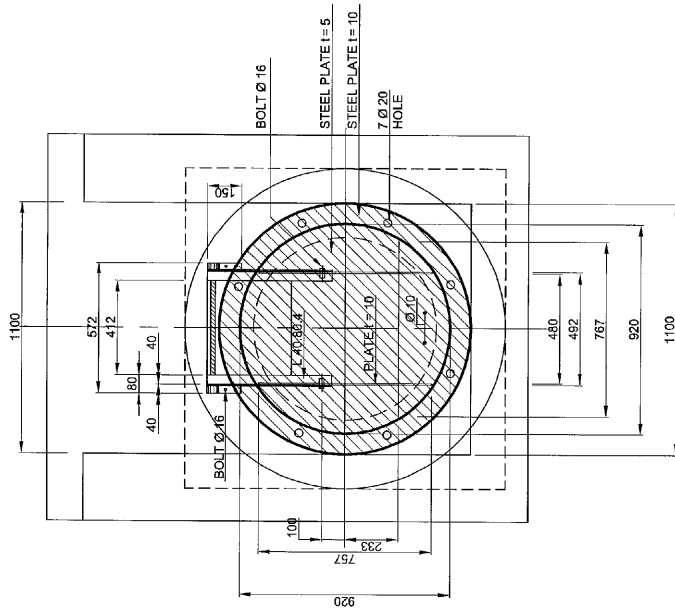


FRONT VIEW
SKALA 1:25

REMARKS :
 SERVICE AND REPAIRING SLIDE GATE



 JICA  BWSS-V  WASKITA PT. WASKITA KARYA		Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang		REV. DATE DESCRIPTION BY	PROPOSED BY DATE  Ir. LUTY RENOR Project Manager	APPROVED BY DATE  YASRI MUBILI The Engineer	AS BUILT DRAWINGS LOCATION : FRC (BANJIR KANAL) NAME OF WORKS : WORKS AROUND PURUS SLUISE TITLE : SECTION SLIDE GATE	SHEET NO. BK - RT - SR - 1
--	--	--	--	-----------------------------------	---	--	---	-------------------------------

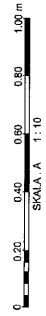


FRONT VIEW
SKALA 1 : 10

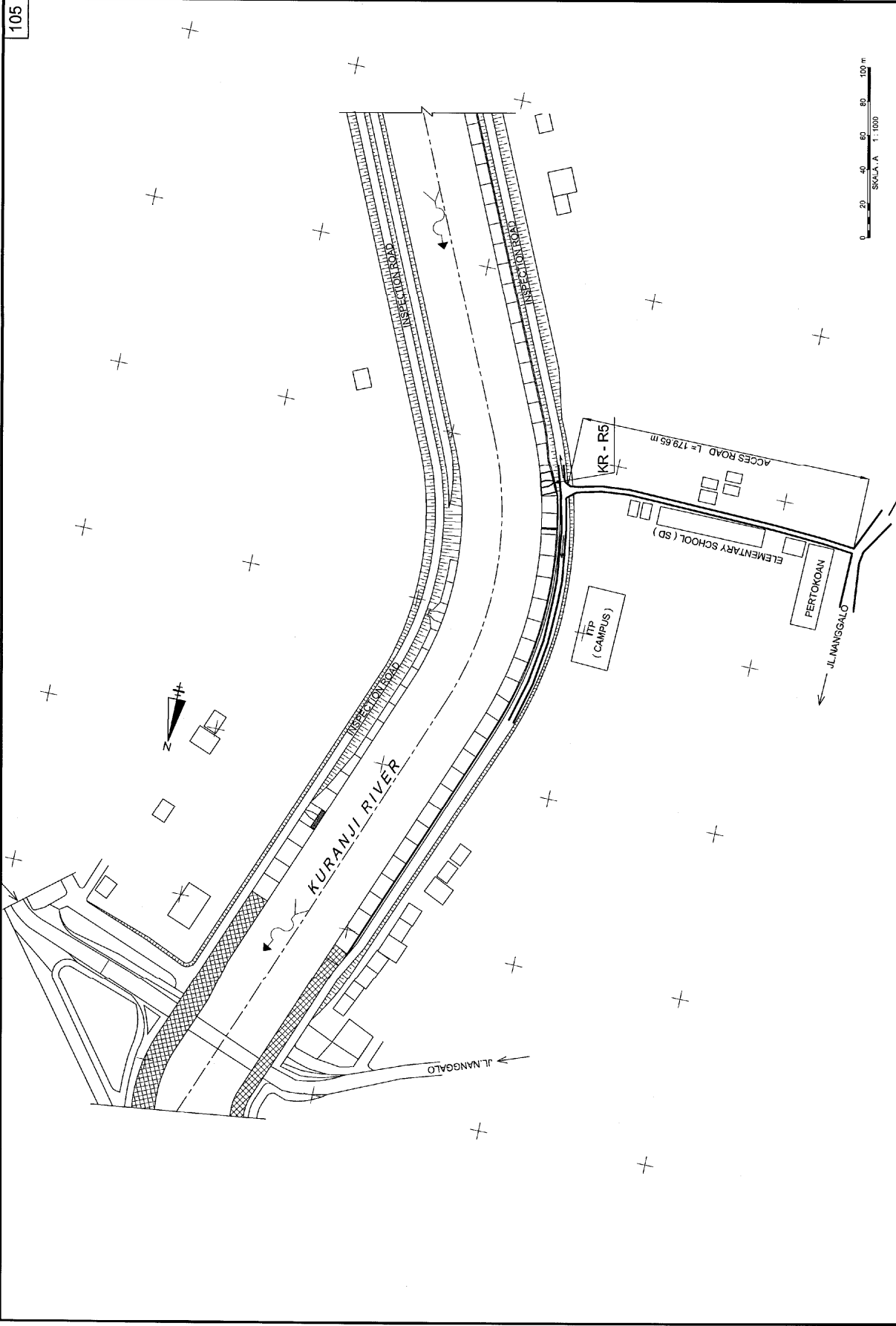
REMARKS :



SERVICE AND REPAIRING FLAP GATE

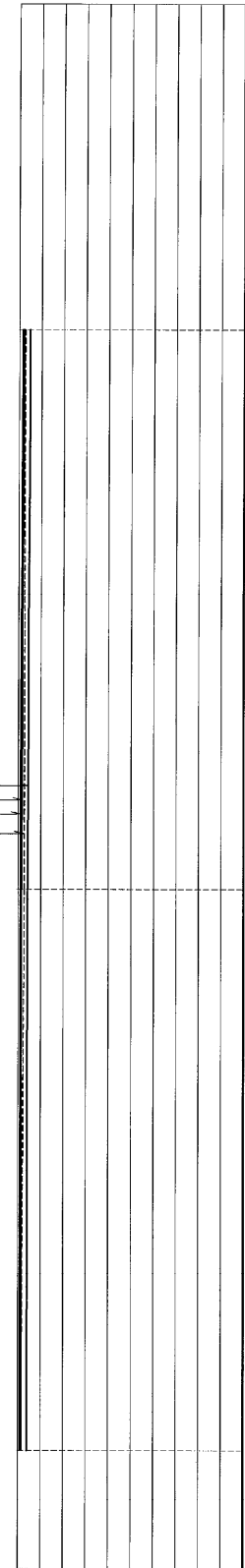


JICA		BWSS-V		PT. WASKITA KARYA		Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang		REV. DATE DESCRIPTION BY		PROPOSED BY DATE Ir. TOHY THOTOSO Project Manager		APPROVED BY DATE Yoseph Lusui The Engineer		AS BUILT DRAWINGS	SHEET NO.
												LOCATION : FRC (BANJIR KANAL)		KR - R1 - SR - 1	
												NAME OF WORKS : WORKS AT FLAP GATE K.3A			
												TITLE : SECTION FLAP GATE			



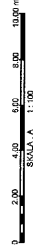
				Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang		APPROVED BY DATE: _____ Yusel Musli The Engineer		SHEET NO. KR-RS-AR-P1	
		PT. WASKITA KARYA		PROJECT FOR POST-EARTHQUAKE REHABILITATION OF WATER RESOURCES MANAGEMENT FACILITIES IN PADANG		PROPOSED BY DATE: _____ H. LOY HENDRO Project Manager		AS BUILT DRAWINGS LOCATION : KURANJI RIVER NAME OF WORKS : ADDITIONAL WORK TITLE : ACCESS ROAD	
REV.	DATE	DESCRIPTION	BY						

EXISTING GROUND
 ASPHALT
 SUB GRADE
 BASE COURSE
 SLAB GRADE

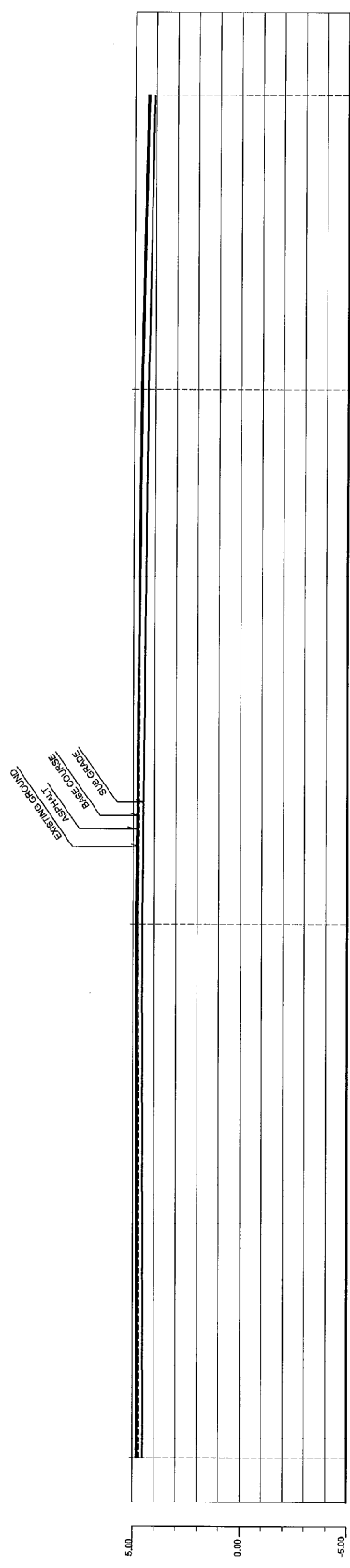


EL. ASPHALT	4.830
EL. BASE COURSE	4.867
EL. SUB GRADE	4.807
EL. EXISTING GROUND	4.850
CUMULATIVE BETWEEN TWO SECTION	00.00
SECTION NO.	

KT RS 06		01.00	4.72	4.866	4.846	4.898		
KT RS 91		25.00	4.74	4.820	4.790	4.830		
KT RS 118		25.00	116.00					
AS BUILT (M)								
DISTANCE (M)								



 JICA	 PT. WASKITA KARYA	Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang	REV. DATE DESCRIPTION BY	PROPOSED BY DATE IF. LUTY HENBRO Project Manager	APPROVED BY DATE Yusri Kusri The Engineer	AS BUILT DRAWINGS LOCATION : KURANJI RIVER NAME OF WORKS : WORKS AT UPSTREAM SITE 3 OF MANGALO BRIDGE TITLE : LONGITUDINAL PROFILE OF ACCESS ROAD	SHEET NO. KR-RS-AR-IP-12
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REV.	DATE	DESCRIPTION	BY	PROPOSED BY DATE	APPROVED BY DATE	SHEET NO.
1	14/11/2018					108
2	14/11/2018					
3	14/11/2018					
4	14/11/2018					
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100	14/11/2018					



Republic of Indonesia
 Project for Post-earthquake Rehabilitation of
 Water Resources Management Facilities
 in Padang

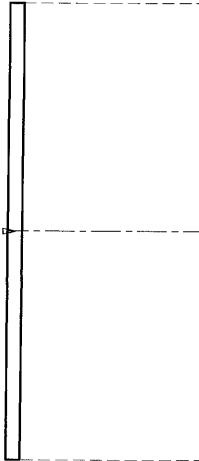
AS BUILT DRAWINGS
 LOCATION : KURANJI RIVER
 NAME OF WORKS : WORKS AT UPSTREAM SITE 3 OF MANGGALO BRIDGE
 TITLE : LONGITUDINAL PROFILE OF ACCESS ROAD

APPROVED BY DATE
 YUSRI YUSRI
 The Engineer

PROPOSED BY DATE
 HENDRO
 Project Manager

SHEET NO. KR-26-AR-LP-03

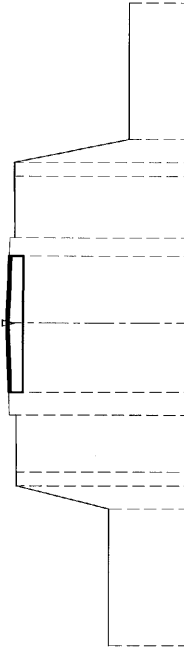
KR-R5 0



BP =+1.000M

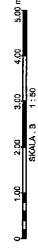
POINT	DISTANCE (M)	ELEVATION (M)	DIRECT DISTANCE (M)
	5.00	5.218	0.00
	5.00	5.218	5.00
	10.00	5.218	10.00

KR-R5 10



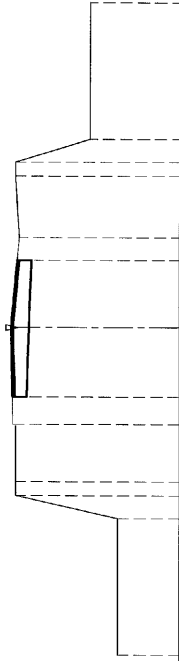
BP =+1.000M

POINT	DISTANCE (M)	ELEVATION (M)	DIRECT DISTANCE (M)
	3.00	2.827	0.00
	3.00	2.827	3.00
	1.25	5.009	5.05
	0.50	5.030	5.55
	1.50	5.059	7.05
	0.40	5.029	8.88
	1.35	4.991	8.95
	0.30	4.892	10.25
	0.50	4.892	10.60
	0.50	2.400	11.10
	3.00	2.400	14.10



JICA BWSS-V WASKITA PT. WASKITA KARYA	Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang	REV.	DATE	DESCRIPTION	BY	PROPOSED BY DATE	APPROVED BY DATE	AS BUILT DRAWINGS	SHEET NO.
						If. LUTY HENDRO Project Manager	 Yoseph Kusni The Engineer	LOCATION : KURANJI RIVER NAME OF WORKS : WORKS AT UPSTREAM SITE 3 OF MANGALO BRIDGE TITLE : CROSS SECTION PROFILE OF ACCESS ROAD	KR-R5-AR-CS 1-1

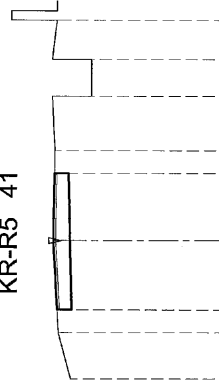
KR-R5 30



BP =+1.000M

POINT	DISTANCE (M)	ELEVATION (M)	DIRECT DISTANCE (M)
0.00	2.333	3.80	0.00
0.50	3.00	3.50	0.50
1.00	3.00	4.550	1.00
1.25	3.00	4.612	1.25
1.50	3.00	4.63	1.50
1.75	3.00	4.661	1.75
2.00	3.00	4.538	2.00
2.25	3.00	4.478	2.25
2.50	3.00	4.565	2.50
2.75	3.00	4.585	2.75
3.00	3.00	4.565	3.00
3.25	3.00	4.585	3.25
3.50	3.00	4.565	3.50
3.75	3.00	4.585	3.75
4.00	3.00	4.565	4.00
4.25	3.00	4.585	4.25
4.50	3.00	4.565	4.50
4.75	3.00	4.585	4.75
5.00	3.00	4.565	5.00
5.25	3.00	4.585	5.25
5.50	3.00	4.565	5.50
5.75	3.00	4.585	5.75
6.00	3.00	4.565	6.00
6.25	3.00	4.585	6.25
6.50	3.00	4.565	6.50
6.75	3.00	4.585	6.75
7.00	3.00	4.565	7.00
7.25	3.00	4.585	7.25
7.50	3.00	4.565	7.50
7.75	3.00	4.585	7.75
8.00	3.00	4.565	8.00
8.25	3.00	4.585	8.25
8.50	3.00	4.565	8.50
8.75	3.00	4.585	8.75
9.00	3.00	4.565	9.00
9.25	3.00	4.585	9.25
9.50	3.00	4.565	9.50
9.75	3.00	4.585	9.75
10.00	3.00	4.565	10.00
10.25	3.00	4.585	10.25
10.50	3.00	4.565	10.50
10.75	3.00	4.585	10.75
11.00	3.00	4.565	11.00
11.25	3.00	4.585	11.25
11.50	3.00	4.565	11.50
11.75	3.00	4.585	11.75
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12.25	3.00	4.585	12.25
12.50	3.00	4.565	12.50
12.75	3.00	4.585	12.75
13.00	3.00	4.565	13.00
13.25	3.00	4.585	13.25
13.50	3.00	4.565	13.50
13.75	3.00	4.585	13.75
14.00	3.00	4.565	14.00
14.25	3.00	4.585	14.25
14.50	3.00	4.565	14.50
14.75	3.00	4.585	14.75
15.00	3.00	4.565	15.00

KR-R5 41



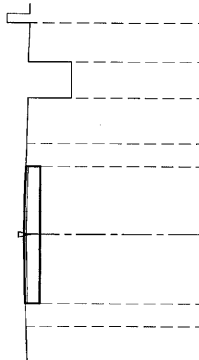
BP =+1.000M

POINT	DISTANCE (M)	ELEVATION (M)	DIRECT DISTANCE (M)
0.00	4.420	3.80	0.00
0.50	3.00	3.50	0.50
1.00	3.00	4.690	1.00
1.25	3.00	4.768	1.25
1.50	3.00	4.788	1.50
1.75	3.00	4.798	1.75
2.00	3.00	4.766	2.00
2.25	3.00	4.766	2.25
2.50	3.00	4.830	2.50
2.75	3.00	4.897	2.75
3.00	3.00	4.974	3.00
3.25	3.00	4.830	3.25
3.50	3.00	4.830	3.50
3.75	3.00	4.830	3.75
4.00	3.00	4.830	4.00
4.25	3.00	4.830	4.25
4.50	3.00	4.830	4.50
4.75	3.00	4.830	4.75
5.00	3.00	4.830	5.00
5.25	3.00	4.830	5.25
5.50	3.00	4.830	5.50
5.75	3.00	4.830	5.75
6.00	3.00	4.830	6.00
6.25	3.00	4.830	6.25
6.50	3.00	4.830	6.50
6.75	3.00	4.830	6.75
7.00	3.00	4.830	7.00
7.25	3.00	4.830	7.25
7.50	3.00	4.830	7.50
7.75	3.00	4.830	7.75
8.00	3.00	4.830	8.00
8.25	3.00	4.830	8.25
8.50	3.00	4.830	8.50
8.75	3.00	4.830	8.75
9.00	3.00	4.830	9.00
9.25	3.00	4.830	9.25
9.50	3.00	4.830	9.50
9.75	3.00	4.830	9.75
10.00	3.00	4.830	10.00
10.25	3.00	4.830	10.25
10.50	3.00	4.830	10.50
10.75	3.00	4.830	10.75
11.00	3.00	4.830	11.00
11.25	3.00	4.830	11.25
11.50	3.00	4.830	11.50
11.75	3.00	4.830	11.75
12.00	3.00	4.830	12.00
12.25	3.00	4.830	12.25
12.50	3.00	4.830	12.50
12.75	3.00	4.830	12.75
13.00	3.00	4.830	13.00
13.25	3.00	4.830	13.25
13.50	3.00	4.830	13.50
13.75	3.00	4.830	13.75
14.00	3.00	4.830	14.00
14.25	3.00	4.830	14.25
14.50	3.00	4.830	14.50
14.75	3.00	4.830	14.75
15.00	3.00	4.830	15.00



 JICA	 BWSS-V	 PT. WASKITA KARYA	Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang	REV.	DATE	DESCRIPTION	BY	PROPOSED BY DATE	APPROVED BY DATE	AS BUILT DRAWINGS	SHEET NO.
				NAME OF WORKS : WORKS AT UPSTREAM SITE 3 OF NANGALO BRIDGE				TITLE : CROSS SECTION PROFILE OF ACCESS ROAD			

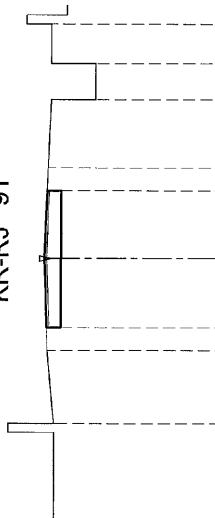
KR-R5 66



BP =+1.000M

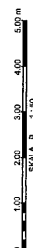
POINT										
DISTANCE (M)	0.80	0.50	1.50	1.50	0.50	1.00	0.80	0.85		
ELEVATION (M)	4.835	4.867	4.882	4.917	4.882	4.859	4.843	3.892	4.843	4.800
DIRECT DISTANCE (M)	0.00	0.80	1.30	2.80	4.30	4.80	5.80	6.60	7.45	

KR-R5 91



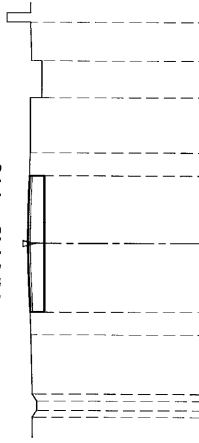
BP =+1.000M

POINT										
DISTANCE (M)	1.60	0.50	1.50	1.50	0.50	1.50	0.80	0.85		
ELEVATION (M)	4.740	4.843	4.862	4.895	4.862	4.834	4.760	4.780	4.419	8.75
DIRECT DISTANCE (M)	0.00	1.60	2.10	3.60	5.10	5.60	7.10	7.90	8.75	



 JICA	 BWSS-V	 PT. WASKITA KARYA	Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang	REV. DATE DESCRIPTION BY	PROPOSED BY DATE Ir. COLY HENDRO Project Manager	APPROVED BY DATE Yusri Kusli The Engineer	AS BUILT DRAWINGS LOCATION : KURANJI RIVER NAME OF WORKS : WORKS AT UPSTREAM SITE S OF NANGGALO BRIDGE TITLE : CROSS SECTION PROFILE OF ACES ROAD	SHEET NO. KR-R5-AR-CS 1-3
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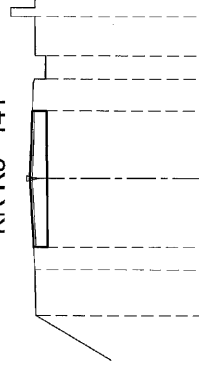
KR-R5 116



BP =+1.000M

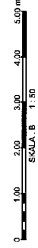
POINT									
DISTANCE (M)	0.50	1.30	0.50	1.50	1.50	0.50	1.20	0.80	0.85
ELEVATION (M)	4.728	4.728	4.755	4.800	4.830	4.800	4.784	4.541	4.779
DIRECT DISTANCE (M)	0.00	0.50	4.631	4.728	3.80	5.30	4.800	7.00	8.65

KR-R5 141



BP =+1.000M

POINT									
DISTANCE (M)	1.00	0.50	1.50	1.50	1.50	0.700	500.85		
ELEVATION (M)	4.728	4.759	4.838	4.868	4.838	4.781	4.779		
DIRECT DISTANCE (M)	0.00	1.00	1.50	3.00	4.50	5.20	5.70	6.65	



JICA BWSS-V WASKITA PT. WASKITA KARYA	Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang	REV.	DATE	DESCRIPTION	BY	PROPOSED BY DATE	APPROVED BY DATE	AS BUILT DRAWINGS	SHEET NO.
									LOCATION : KURANJI RIVER NAME OF WORKS : WORKS AT UPSTREAM SITE 3 OF MANGALO BRIDGE KR-R5-AR-GS 1-4 TITLE : CROSS SECTION PROFILE OF ACCESS ROAD

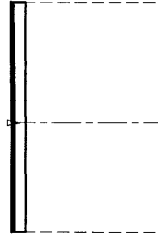
KR-R5 166



BP =+1.000M

POINT					
DISTANCE (M)	0.80	1.50	1.50	0.50	
ELEVATION (M)	4.491	4.515	4.634	4.664	4.80
DIRECT DISTANCE (M)	0.00	0.80	1.30	2.80	4.30

KR-R5 179.80



BP =+1.000M

POINT					
DISTANCE (M)	0.00	2.40	2.40	2.65	
ELEVATION (M)	4.383	4.379	4.398	4.398	5.05
DIRECT DISTANCE (M)	0.00	0.80	2.40	5.05	



JICA BWSS-V PT. WASKITA KARYA	Republic of Indonesia Project for Post-earthquake Rehabilitation of Water Resources Management Facilities in Padang	REV.	DATE	DESCRIPTION	BY	PROPOSED BY DATE	APPROVED BY DATE	AS BUILT DRAWINGS	SHEET NO.
									LOCATION : KURANJI RIVER NAME OF WORKS : WORKS AT UPSTREAM SITE 3 OF MANGALO BRIDGE TITLE : CROSS SECTION PROFILE OF ACCESS ROAD