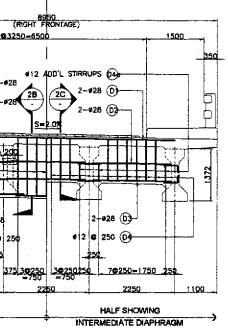


¢ OF BRIDGE

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28

SCALE

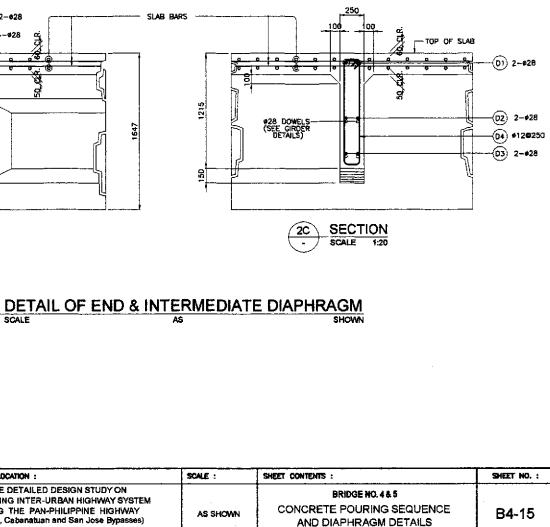




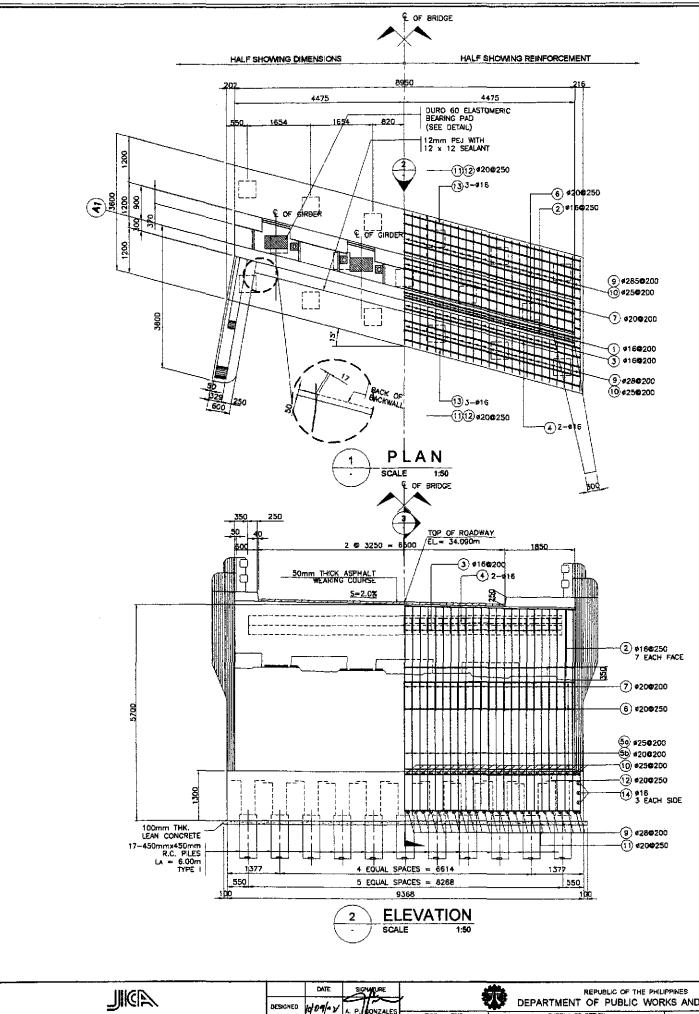
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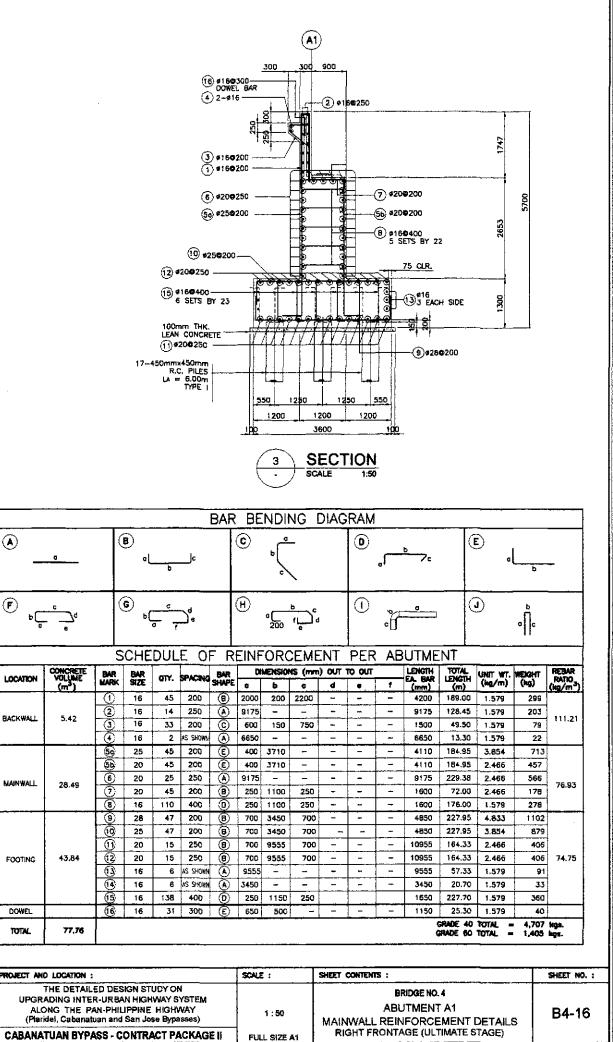
SCALE :

FULL SIZE A1



RIGHT & LEFT FRONTAGE (ULTIMATE STAGE)

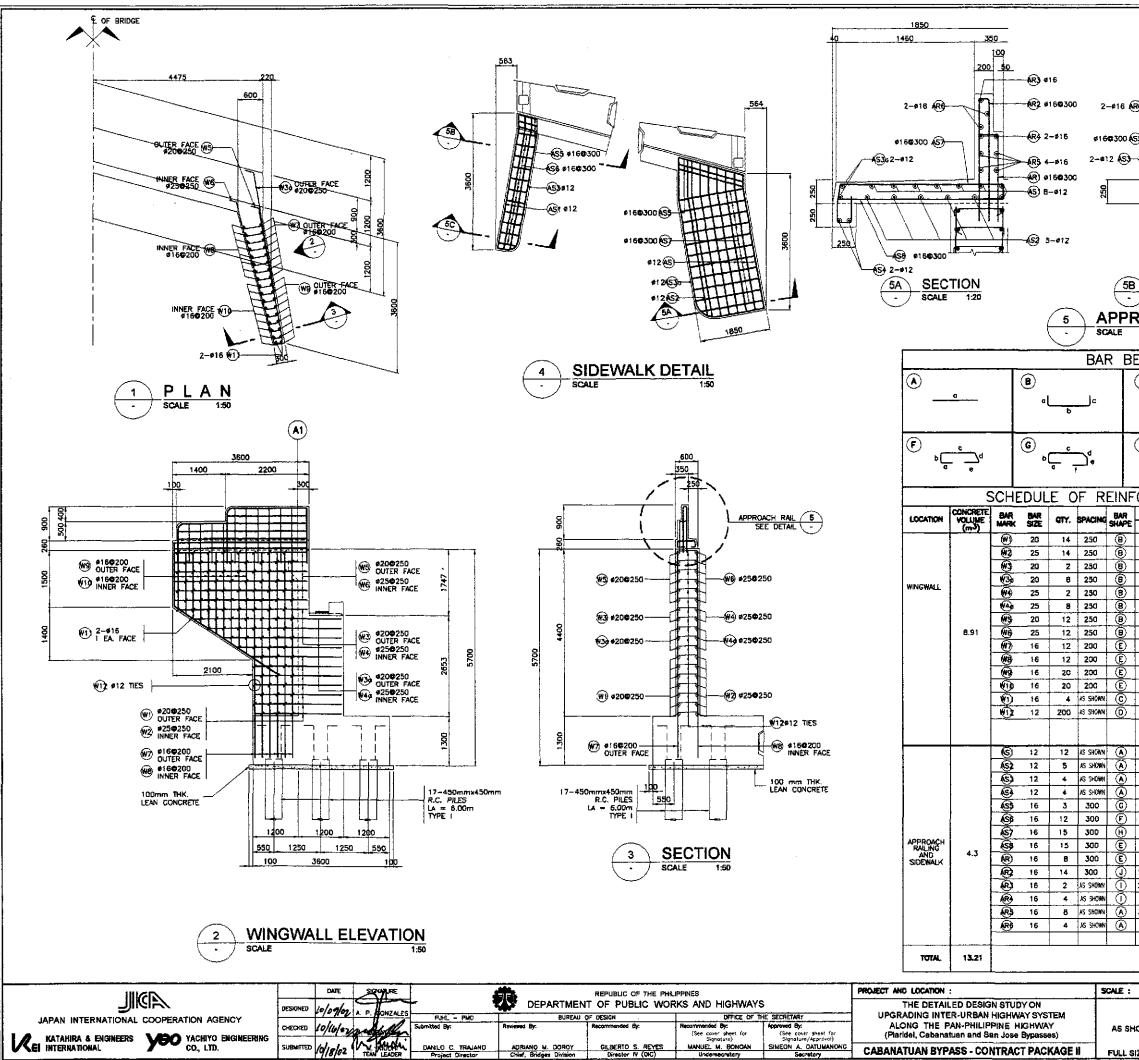




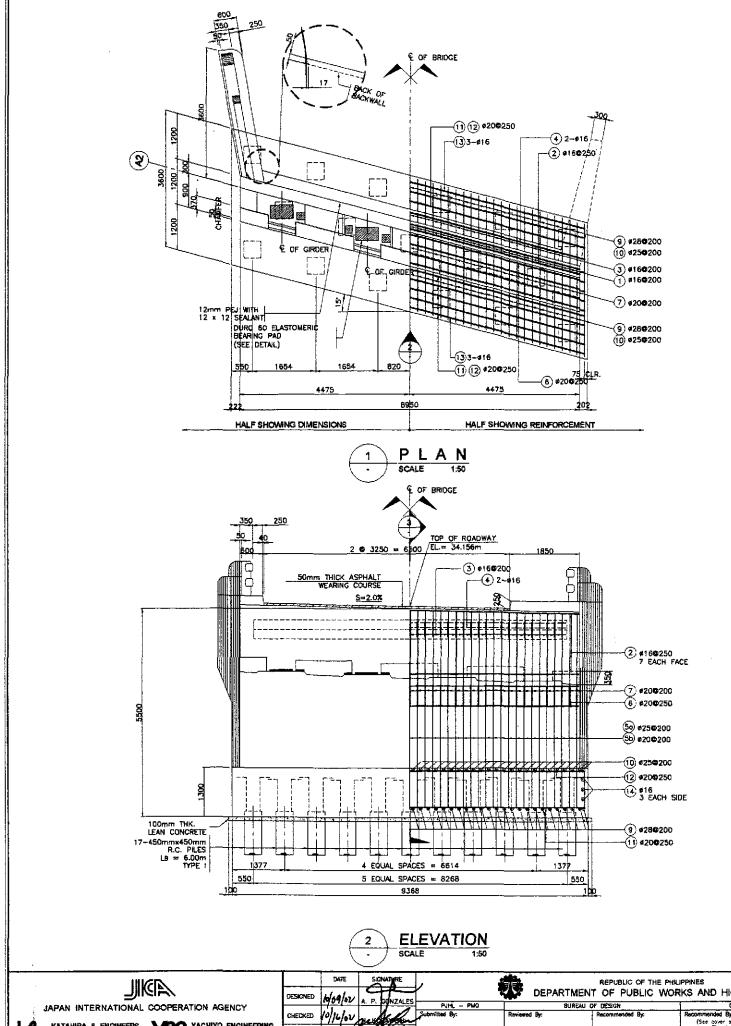
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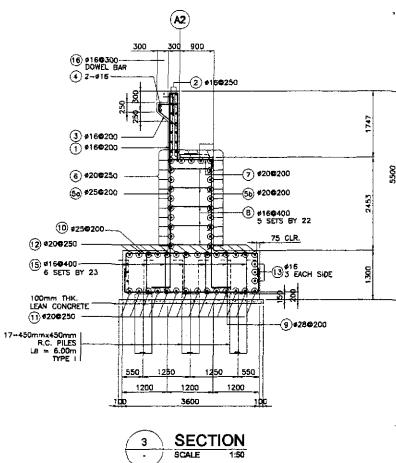
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[INGE		DATE	SIGNAURE			REPUBLIC OF THE PHIL	IPPINES		PROJECT AND LOCATION :	SCALE :
			109/04/02	A. P. BONZALES	۲ •		IT OF PUBLIC WOR	· · · · · · · · · · · · · · · · · · ·		THE DETAILED DESIGN STUDY ON UPGRADING INTER-URBAN HIGHWAY SYSTEM	
	JAPAN INTERNATIONAL COOPERATION AGENCY	CHECKED	16/16/02	sella.	PJHL - PMC Submitted By:	Roviewed By:	OF DESIGN Recommended By:	Recommended By: (See cover sheet for	HE SECRETARY Approved By: See cover sheet for	ALONG THE PAN-PHILIPPINE HIGHWAY (Plaridel, Cabanatuan and San Jose Bypasses)	1:50
ľ	KATAHIRA & ENGINEERS YOO YACHIYO ENGINEERING CO., LTD.	SUBNITTED	10/18/01	TEAN LEADER	DANILO C. TRAJANO Project Director	ADRIANO M. DOROY Chief, Bridges Division	GILBERTO S. REYES	Signature) MANUEL M. BONDAN Undersecretary	Signature/Approvol) SIMEON A. DATUMANONG Secretary	CABANATUAN BYPASS - CONTRACT PACKAGE II	FULL SIZE



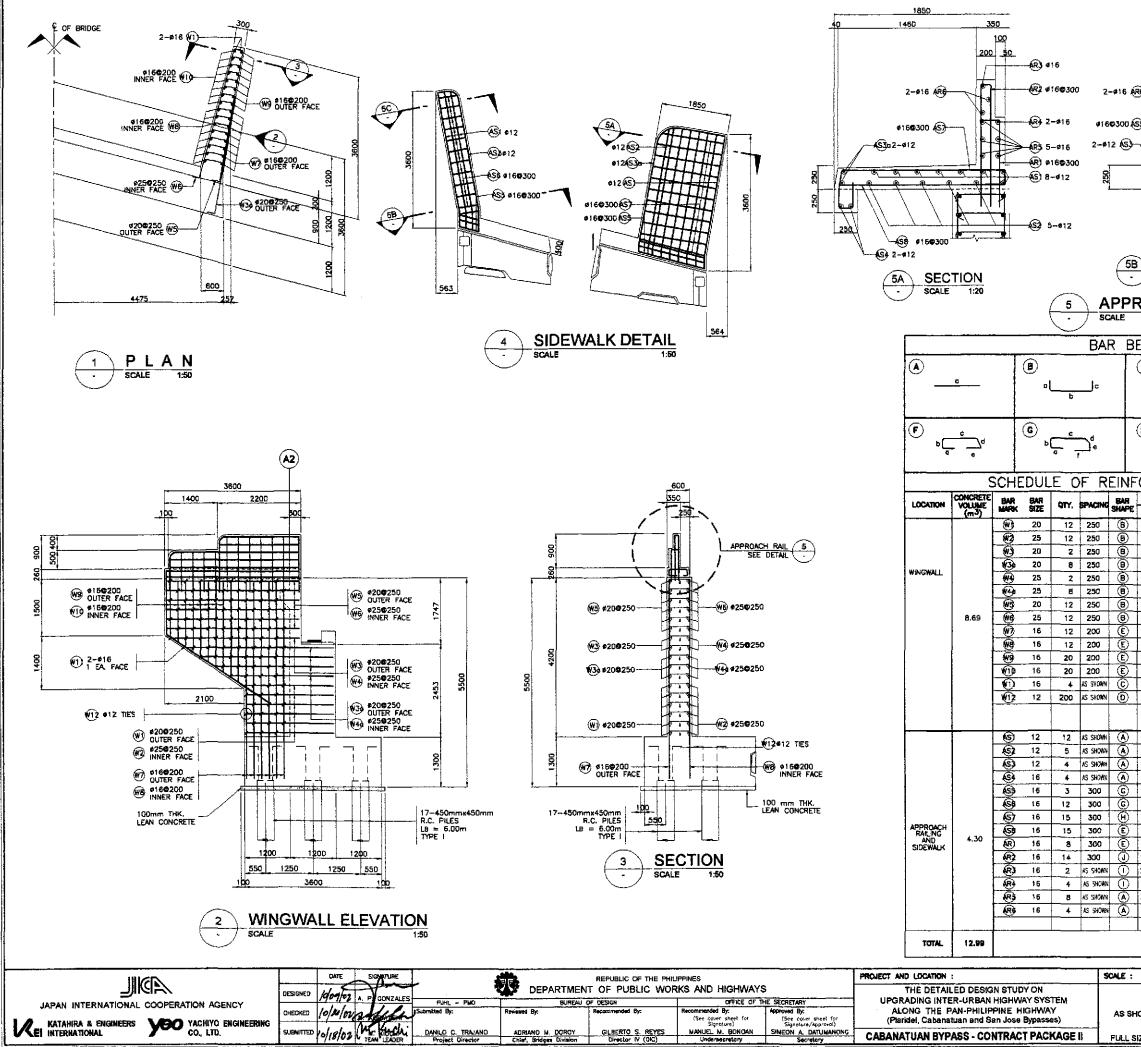
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•	1	b	¢	d	•	1	EA. BAR (mm)	LENGTH (m)	(log/m)	(kg)	RATIO (kg/m ³)
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-	KOCI KOCI	2300	150 150		-	-	2850	39.9 7.9	3.854 2.466	154	
	100	3350	150	-	-	-	3950	31.2	2.466	77	
4	100	3400	150	-	-	-	3950	7,9	3.854	31	
+	100	3350	150	-	-	-	3900	31.2	3.854	121	
-	100	3500 3500	150 150	-	-	-	4050 4050	48.6 48.6	2.466 3.854	120	151.85
1-	250	5450	-	-	-	-	5700	-6.0 68.4	1.579	109	
+	250	5450	-	-	-	-	5700	68.4	1.579	109	
	250	2100	<u> </u>		-		2350	47.00	1.579	75	
4	250	210 1400	3500			-	2350 5250	47.00	1.579	75 34	
+	70	450	170	_	-	<u> </u> -	790	158.00	0.888	141	
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+	500		-		-	-	3500	17.50	0.688	16 13	
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2	200	170	480	200	170	200	1420	4.26	1,579	7	
-	200	150	480	200	200	-	1250	15.00	1.579	24	
+	200 200	170 1770	1730	200	170	200	2870 1970	43.05 29.55	1.579	68 47	
+	200	900			-	-	1100	8.80	1.579	14	92.81
	900	120	1300	-	-	-	2720	38.08	1.579	61	
	100	236	1300	-		-	3636	7.27	1.579	12	
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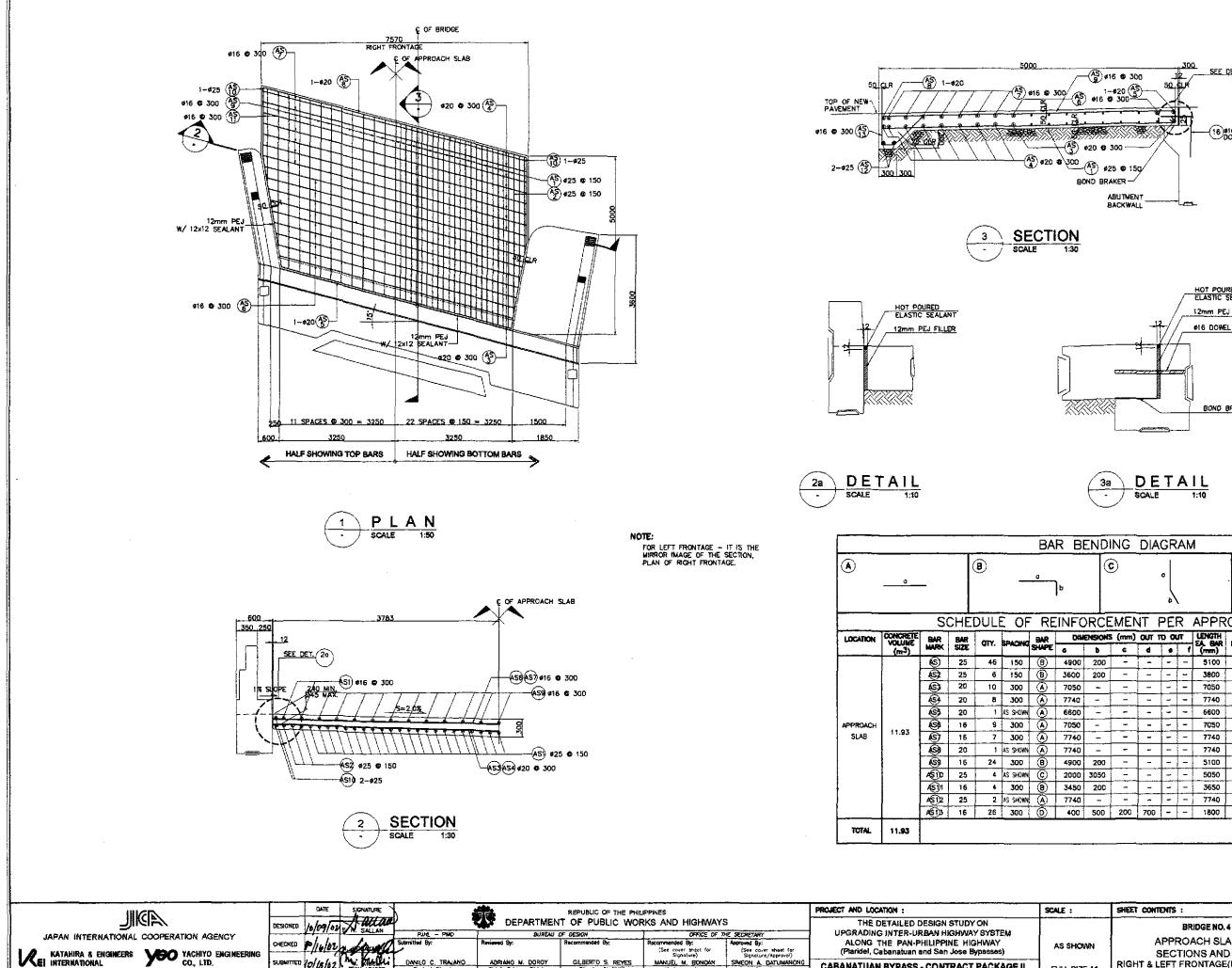


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	(m ³)	MARK	SIZE				a	b	C	đ	•	f	(mm)	(m)	(kg/m)	(kg)	
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		<u>3</u>	16	33	200	<u>_</u>	520	150	750		-		1500	49.50	+	79	
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		6	25	45	200	E	400	3510	-	-	-		3910	175.95	+	679	
		<u>6</u>	20	45	200	E	400	3510	-			-	3910	175.95		434	
MAINWALL	26.35	6 7	20	23	250		9175		-			-	9175	211.03	+	521	79.33
		$ \sim $	20	45	200		250	1100	250	-	-		1600	72.00		178	
		8 9	16	110	400 200	0	250	1100	250		<u> </u>	-	1600 4850	176.00	-	278	
			28 25	47	200		700	3450 3450	700		<u> </u>	-	4850	227.95		1102 879	
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LIKER		DATE	SIGNATURE	, 4		REPUBLIC OF THE PHI			PROJECT AND LOCATION :	SCALE :	SHEET CONTENTS :	SHEET NO. :
	DESIGNED	10/09/02 A	P. DONZALES	PVHĽ – PMA		IT OF PUBLIC WO	RKS AND HIGHWAY	S HE SECRETARY	THE DETAILED DESIGN STUDY ON UPGRADING INTER-URBAN HIGHWAY SYSTEM		BRIDGE NO. 4	
	CHECKED	10/16/02 200	Alle-	Submitted By:	Reviewed By:	Recommended By:	Recommended By: (See cover sheet for Signature)	Approved By: (See cover sheet for Signature/Approval)	ALONG THE PAN-PHILIPPINE HIGHWAY (Plarkiel, Cabanatuan and San Jose Bypasses)	1 : 50	ABUTMENT A2 MAINWALL REINFORCEMENT DETAILS	B4-18
CO., LTD.	SUBMITTED	10/18/02 (m	AN LEADER	DANILO C. TRAJANO Project Director	ADRIANO M. DOROY Chief, Bridget Division	GLBERTO S. REYES Director IV (OIC)	MANUEL M. BONDAN Undersecretory	SIMEON A. DATUMANONG Secretory	CABANATUAN BYPASS - CONTRACT PACKAGE II	FULL SIZE A1	RIGHT FRONTAGE (ULTIMATE STAGE)	



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	400	3350	150	-	-	-	3900	31.20	3.854	121	
	400	3500	150		-	-	4050	48.60	2.466	120	150.55
	400 250	3500 5250	150 -		-	-	4050 5500	48.60 66.00	3.854	188	
	250	5250			-	-	5500	66.00	1.579	105	
_	250	2100			-	1	2350	47.00	1,579	75	
4	250 250	2100		-	-	-	2350 5250	47.00 21.0	1.579	75 34	
	170	450	170	-	-	-	790	158.00	0.888	141	
								1	TOTAL =	-	
	3500	-	-	-	-	-	3500	42.00	0.688	38	
	3500	-	-	-	-	-	3500	17.50	0.888	16	
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	200	170	48D	200	- 170	200	1420	4.26	1.579	7	}
	200	150	480	200	200	-	1250	15.00	1.579	24	
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	200 200	900	-		-	-	1100	29.55	1.579	14	92.81
	1300	120	1300	-	-	-	2720	38.08	1.579	61	
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	2100	-	-		-	-	2100	8.40	1.579	14	
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н	OWN	W		ALL F	REIN	FO	RCEME	INT DE		^B	4-19
s	ZE A1		RIGH	T FRO	NTA	GE	(ULTIMA	TE STAC	SE)		
-							,				



MANUEL M. BONDAN Undersecretory

CABANATUAN BYPASS - CONTRACT PACKAGE II

GILBERTO S. REYES Director IV (DIC)

UBMITTED 10/15/02

DANILO C. TRAJANO

ADRIANO M. DOROY Chief, Bridget Division

N 30										
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00	200	-	-	-	<u> </u>	5100	(m) 234.60	3.854	905	
00	200	-	-	-	-	3800	22.80	3.854	88	
50	-	-	-	-	-	7050	70.50	2.456	174	
40	- 1	-	-	-	-	7740	61.9Z	2.466	153	
00	-	-	-	-	-	6600	6.60	2.466	17	
50	-	-	-	-	-	7050	63.45	1.579	101	
40		_	-	- 1	-	7740	54.18	1.579	86	165.50
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SEE DET. 30

16 016 0300 DOWEL BAR

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ABUTMENT BACKWALL

SCALE :	SHEET CONTENTS :	SHEET NO. :
	BRIDGE NO. 4 & 5	
AS SHOWN	APPROACH SLAB PLAN,	B4-20
	SECTIONS AND DETAIL	04-20
FULL SIZE A1	RIGHT & LEFT FRONTAGE(ULTIMATE STAGE)	

15.48 3.854

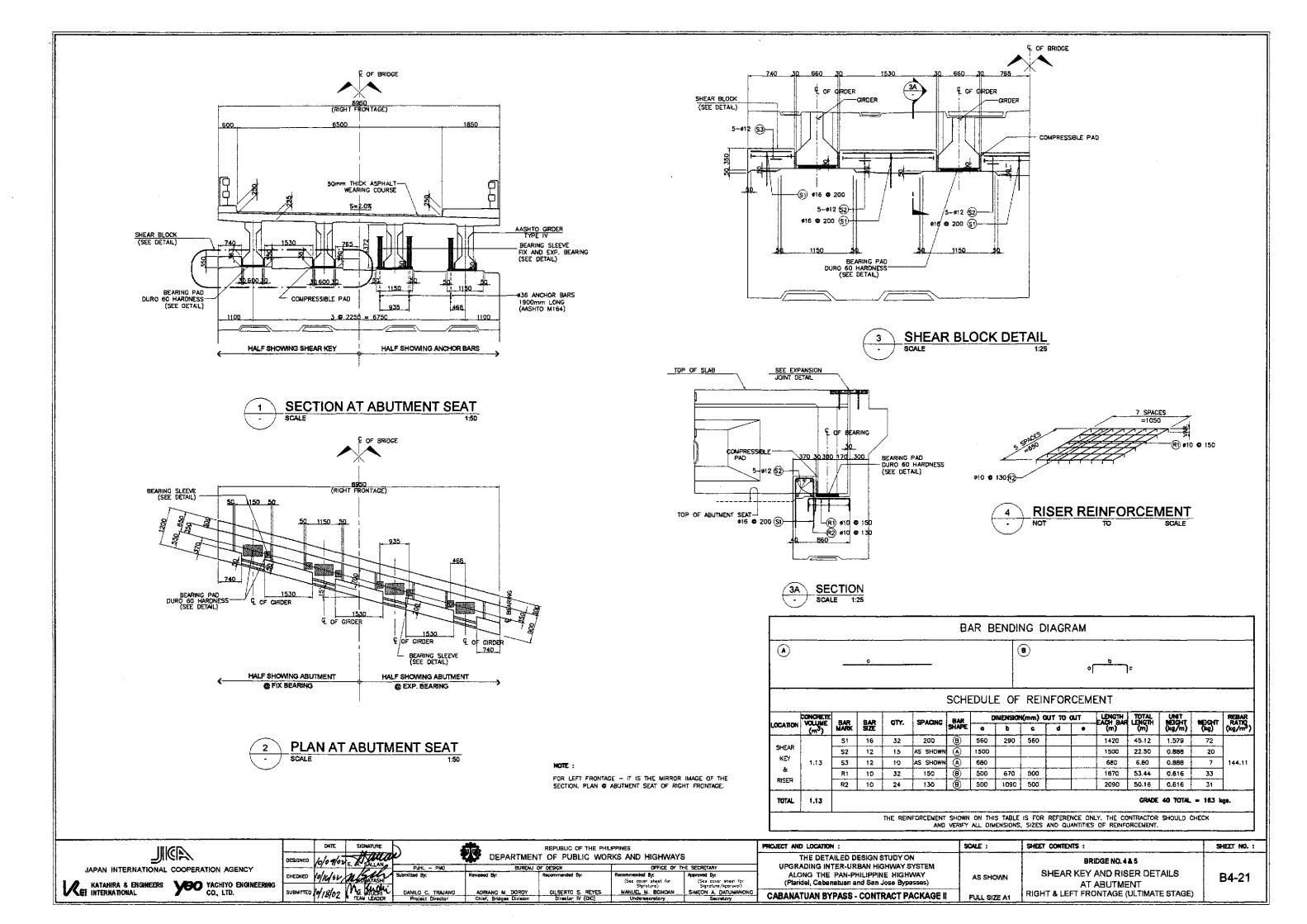
46.80 1.579

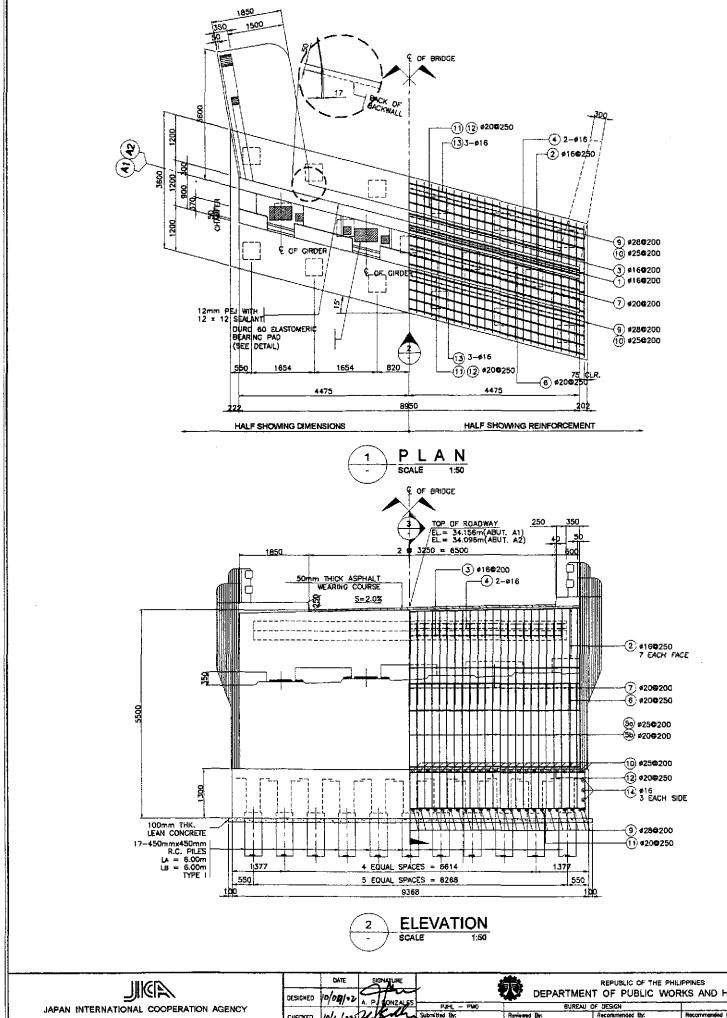
GRADE 40 TOTAL = 1,495 kgs.

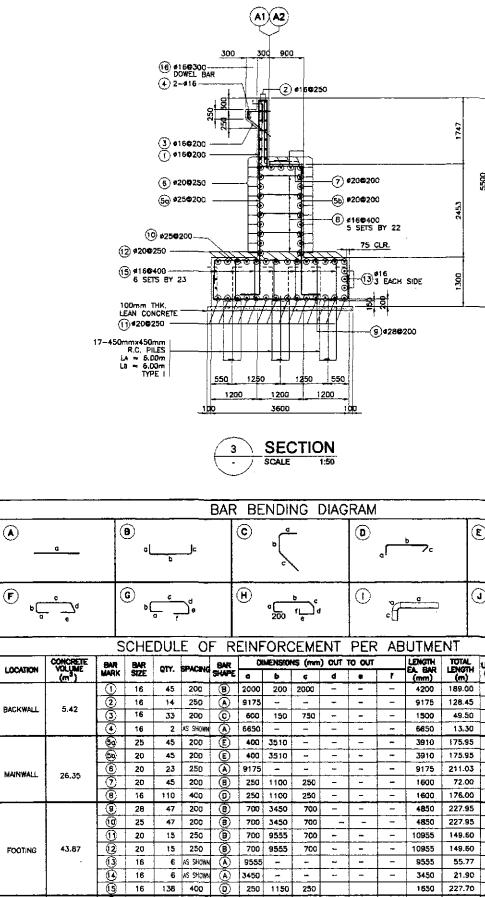
GRADE BO TOTAL = 478 kgs.

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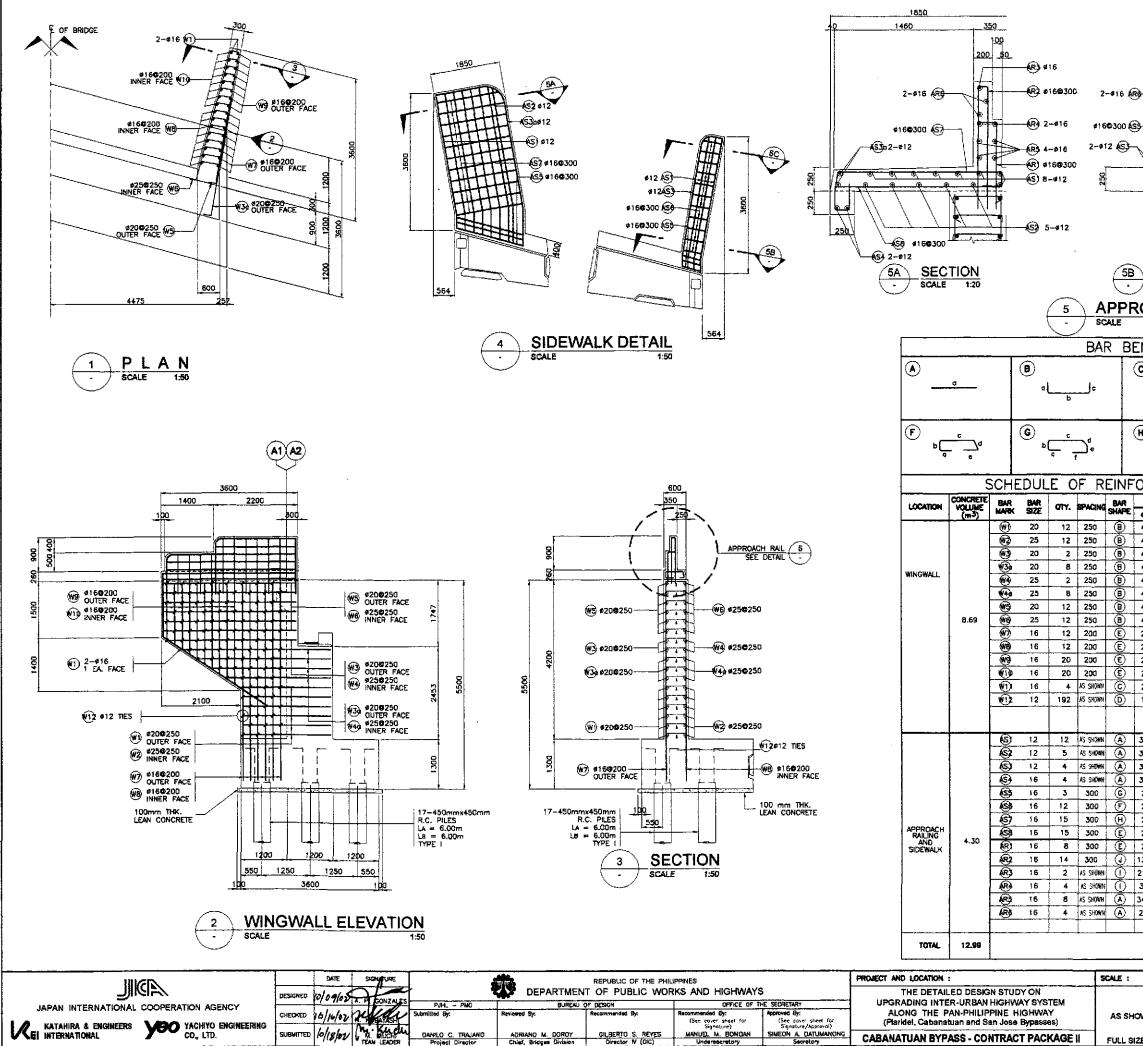
16 16 22 300 E 650 DOWEL TOTAL 75.63

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IIIGD		Ciate	SIGNATURE			REPUBLIC OF THE PHIL	IPPINES		PROJECT AND LOCATION :	SCALE :
JIKER	DESIGNED	10/001-2	A BUTONTALSS	Ĺ	DEPARTMEN	T OF PUBLIC WOF	RKS AND HIGHWAY	5	THE DETAILED DESIGN STUDY ON	
JAPAN INTERNATIONAL COOPERATION AGENCY			n kith	PAHL - PMO Submitted By:	BUREAU Reviewed By:	OF DESKIN Recommended By:	OFFICE OF T Recommended Brg	HE SECRETARY ADDROVED BY:	UPGRADING INTER-URBAN HIGHWAY SYSTEM ALONG THE PAN-PHILIPPINE HIGHWAY	
ATAHIRA & ENGINEERS VEO YACHIYO ENGINEERING	CHECKED	10/10/02	N. HASAYASHI		interest by:	Trees and the second se	(See cover sheet for Signature)	(See cover sheet for Signalure/Acprovol)	(Plaridel, Cabanatuan and San Jose Bypasses)	1:50
KEI INTERNATIONAL CO., LTD.	SUBARTED	0/18/02	TEAN LEADER	DANILO C. TRAJANO Project Director	ADRIANO M. DOROY Chief, Bridget Division	GILBERTO S. REYES Director IV (DIC)	MANUEL M. BONDAN Undersecretory	SIMEON A. DATUMANONG Secretory	CABANATUAN BYPASS - CONTRACT PACKAGE II	FULL SIZE /

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-	-	-	-	-	9175	128.45	5	1.579	20	3	
150	750	-	-	-	1500	49.50	Ċ	1.579	7	9 111.21	Į.
-	-	-	-	-	6650	13.30	0	1.579	2	2	
3510	_	-	-	-	3910	175.9	5	3.854	6	79	1
3510	-			-	3910	175.9	5	2.455	43	4	1
-		-	-	-	9175	211.03	3	2.466	52	21	[
1100	250			-	1600	72.00	0	2.466	17	79.33	ł
1100	250	- 1	-	<u> </u>	1600	176.00	0	1.579	27	8	[
3450	700	<u> </u>	-		4850	227.9	5	4.633	11	02	1
3450	700	-	-	-	4850	227.9	5	3.654	8	79	
9555	700	-	-	-	10955	149.60	0	2,466		ad	
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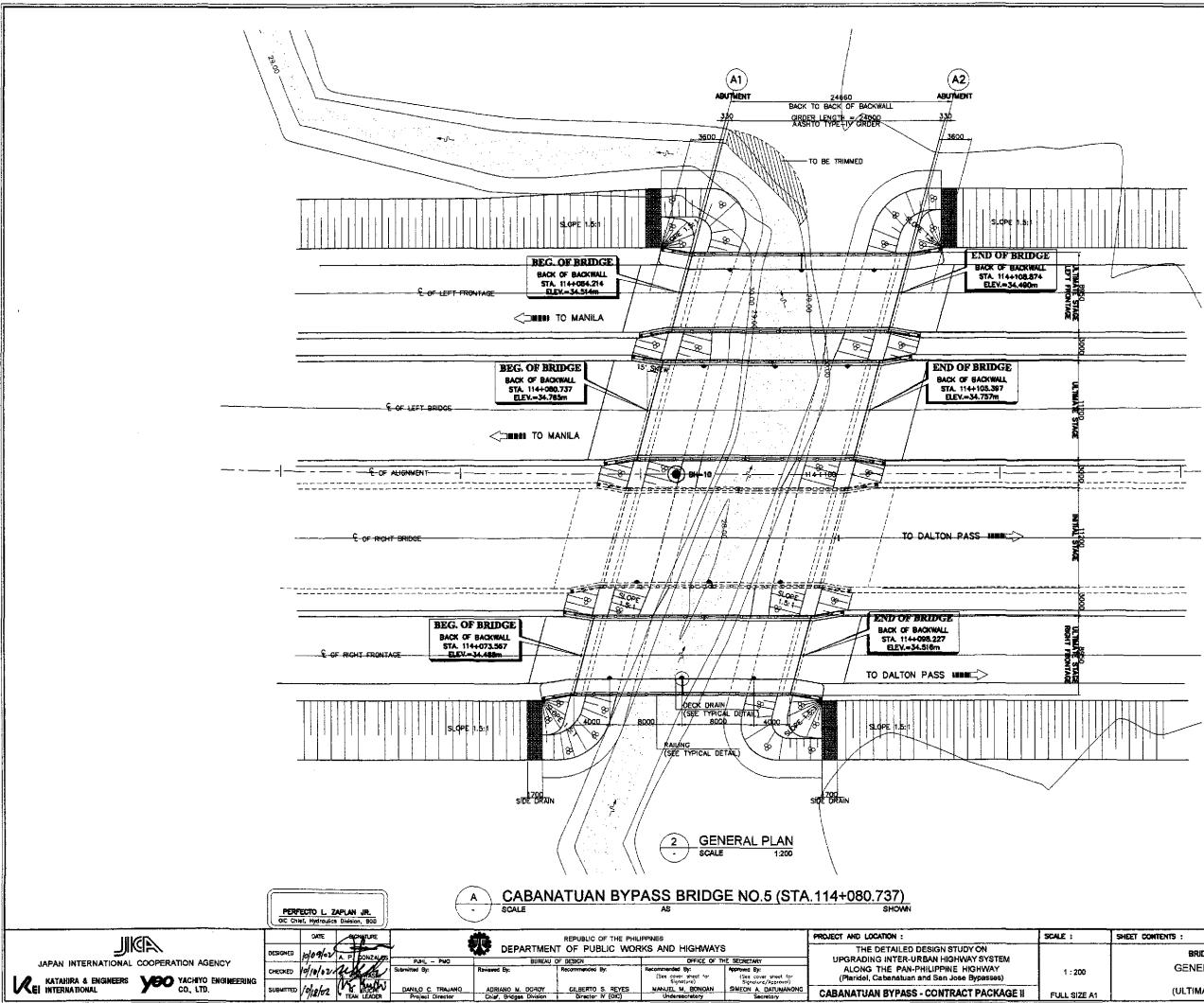


DANILO C. TRAJANO Project Director

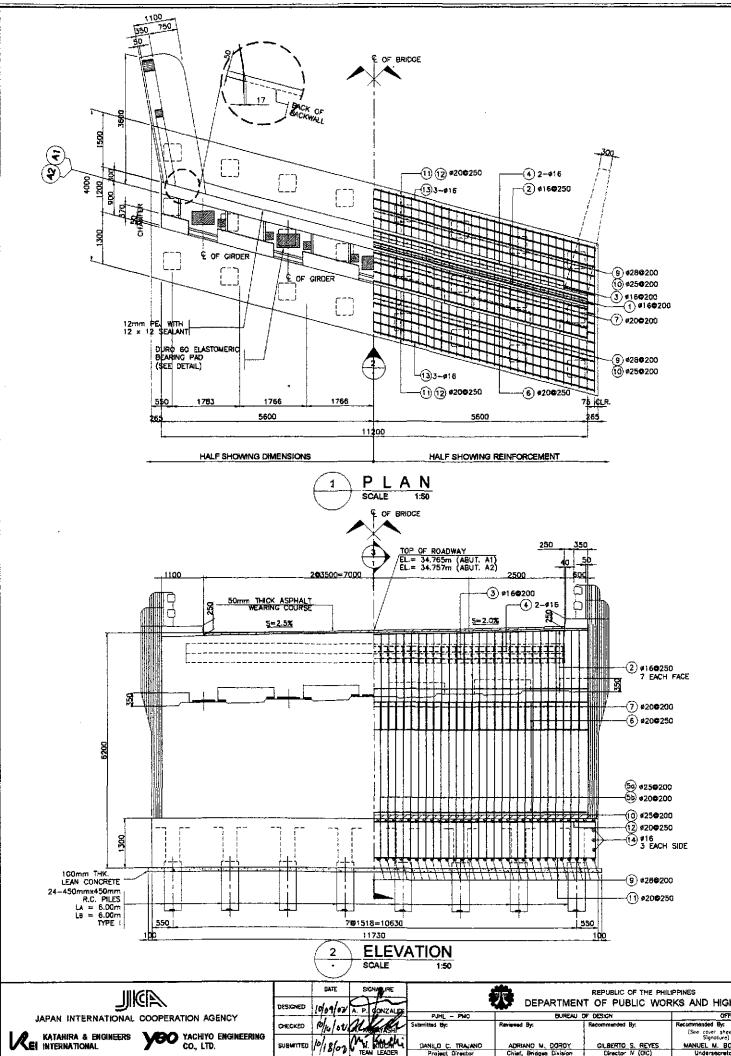
ADRIANO M. DOROY Chief, Bridges Division

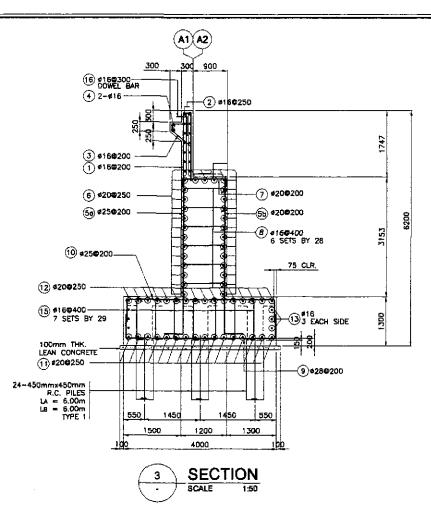
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		400 400 400 400 250 250 250 250 250 250 250 250 250 2	3450 3350 3450 3500 5250 2100 2100 450 450 450 450 1400 450 170 170 170 170 170 120 236 236	150 150 150 150 150 - - - - - - - - - - - - - - - - - - -		- - - - - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - - - -	3950 3900 3950 3950 4050 4050 2350 2350 2350 2350 2350 3500 3500 3	34.20 7.90 31.20 7.90 31.20 48.60 48.60 66.00 47.00 47.00 47.00 151.68 GRADE 60 GRADE 60 GRADE 60 17.50 14.00 14.00 14.00 4.226 15.00 14.00 4.3.05 29.55 8.80 38.08 7.27 16.14 27.20 8.40	3.854 2.466 2.466 3.854 3.854 1.579 1.579 1.579 1.579 1.579 1.579 1.579 0.888 0.888 0.688 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579	132 20 77 31 121 120 188 105 75 75 33 135 774 lgs. 528 kgs 38 13 13 13 7 24 68 47 14 61 12 29 43 14	
		400 400 400 400 250 250 250 250 250 250 250 250 250 2	3450 3350 3450 3500 5250 2100 2100 450 450 450 450 1400 450 170 170 170 170 170 120 236 236	150 150 150 150 150 - - - - - - - - - - - - - - - - - - -		- - - - - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - - - -	3950 3900 3950 3950 4050 4050 2350 2350 2350 2350 2350 3500 3500 3	34.20 7.90 31.20 7.90 31.20 48.60 48.60 66.00 47.00 47.00 47.00 151.68 GRADE 60 GRADE 60 GRADE 60 17.50 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.0	3.854 2.466 2.466 3.854 3.854 1.579 1.579 1.579 1.579 1.579 1.579 1.579 0.888 0.688 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579	132 20 77 31 121 120 188 105 75 75 33 135 775 33 135 774 lgs. 528 kgs 38 16 13 13 77 24 68 47 14 61 12 29 43 14 339 kgs.	92.81
		400 400 400 400 250 250 250 250 250 250 250 250 250 2	3450 3350 3450 3500 5250 2100 2100 450 450 450 450 1400 450 170 170 170 170 170 120 236 236	150 150 150 150 150 - - - - - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - - - -	3950 3900 3950 3950 4050 4050 2350 2350 2350 2350 2350 3500 3500 3	34.20 7.90 31.20 7.90 31.20 48.60 48.60 66.00 47.00 47.00 47.00 20.60 151.68 GRADE 60 GRADE 40 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 1	3.854 2.466 2.466 3.854 3.854 1.579 1.579 1.579 1.579 1.579 1.579 0.888 0.688 0.688 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579	132 20 77 31 121 120 188 105 75 75 33 135 774 Igs 528 kgs 16 13 13 13 13 77 24 58 47 14 61 12 29 43 14 399 kgs 774 kg	92.81
		400 400 400 400 250 250 250 250 250 250 250 250 250 2	3450 3350 3450 3500 5250 2100 2100 450 450 450 450 1400 450 170 170 170 170 170 120 236 236	150 150 150 150 150 - - - - - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - - - -	3950 3900 3950 3950 4050 4050 2350 2350 2350 2350 2350 3500 3500 3	34.20 7.90 31.20 7.90 31.20 48.60 48.60 66.00 47.00 47.00 47.00 20.60 151.68 GRADE 60 GRADE 40 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 1	3.854 2.466 2.466 3.854 3.854 1.579 1.579 1.579 1.579 1.579 1.579 1.579 0.888 0.688 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579	132 20 77 31 121 120 188 105 75 75 33 135 774 Igs 528 kgs 16 13 13 13 13 77 24 58 47 14 61 12 29 43 14 399 kgs 774 kg	92.81
		400 400 400 400 250 250 250 250 250 250 250 250 3500 350	3450 3350 3450 3500 5250 5250 2100 2100 1400 450 	150 150 150 150 150 - - - - - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - - - -		- - - - - - - - - - - - - - - - - - -	3950 3900 3950 3950 4050 4050 2350 2350 2350 2350 2350 3500 3500 3	34.20 7.90 31.20 7.90 31.20 48.60 48.60 66.00 47.00 47.00 47.00 20.60 151.68 GRADE 60 GRADE 40 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 1	3.854 2.466 2.466 3.854 3.854 1.579 1.579 1.579 1.579 1.579 1.579 0.888 0.688 0.688 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579	132 20 77 31 121 120 188 105 75 75 33 135 774 lgs. 528 kgs 16 13 13 13 77 24 68 47 14 61 12 29 43 14 399 kgs. 774 kg	92.81 ge, ge,
		400 400 400 400 250 250 250 250 250 250 250 250 3500 350	3450 3350 3450 3500 5250 5250 2100 2100 1400 450 	150 150 150 150 - - - - - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - - - -		- - - - - - - - - - - - - - - - - - -	3950 3900 3950 3950 4050 4050 2350 2350 2350 2350 2350 3500 3500 3	34.20 7.90 31.20 7.90 31.20 48.60 48.60 66.00 47.00 47.00 47.00 20.60 151.68 GRADE 60 GRADE 40 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 1	3.854 2.466 2.466 3.854 3.854 1.579 1.579 1.579 1.579 1.579 1.579 0.888 0.688 0.688 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579	132 20 77 31 121 120 188 105 75 75 33 135 774 lgs. 528 kgs 16 13 13 13 77 24 68 47 14 61 12 29 43 14 399 kgs. 774 kg	92.81
		400 400 400 400 250 250 250 250 250 250 250 250 3500 350	3450 3350 3450 3500 5250 5250 2100 2100 1400 450 	150 150 150 150 150 - - - - - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - - - -		3950 3900 3950 3900 4050 5500 5500 2350 2350 5150 790 3500 3500 3500 3500 3500 3500 3500 1420 1250 2870 197D 1100 2720 3636 4535 3400 2100	34.20 7.90 31.20 7.90 31.20 48.60 48.60 66.00 47.00 47.00 47.00 20.60 151.68 GRADE 60 GRADE 40 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 1	3.854 2.466 2.466 3.854 3.854 1.579 1.579 1.579 1.579 1.579 1.579 0.888 0.688 0.688 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579	132 20 77 31 121 120 188 105 75 75 33 135 774 lgs. 528 kgs 16 13 13 13 77 24 68 47 14 61 12 29 43 14 399 kgs. 774 kg	92.81 ge, ge,
		400 400 400 400 250 250 250 250 250 250 250 250 3500 350	3450 3350 3450 3500 5250 5250 2100 2100 1400 450 	150 150 150 150 150 - - - - - - - - - - - - - - - - - - -				3950 3900 3950 3900 4050 5500 2350 2350 2350 2350 3500 3500 3	34.20 7.90 31.20 7.90 31.20 48.60 48.60 66.00 47.00 47.00 47.00 151.68 GRADE 60 GRADE 60 17.50 14.00 17.50 14.00 14.00 14.00 4.26 15.00 14.00 4.265 8.80 38.08 7.27 18.14 27.20 8.40 GRADE 40 GRADE 40 GRADE 40 GRADE 40	3.854 2.466 2.466 3.854 3.854 1.579 1.579 1.579 1.579 1.579 1.579 0.888 0.688 0.688 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579	132 20 77 31 121 120 188 105 75 75 33 135 774 lgs. 528 kgs 16 13 13 13 77 24 68 47 14 61 12 29 43 14 399 kgs. 774 kg	92.81 ge, ge,
		400 400 400 400 250 250 250 250 250 250 250 250 3500 350	3450 3350 3450 3500 5250 5250 2100 2100 1400 450 	150 150 150 150 150 - - - - - - - - - - - - - - - - - - -				3950 3900 3950 3900 4050 5500 5500 2350 2350 5150 790 3500 3500 3500 3500 3500 3500 3500 1420 1250 2870 197D 1100 2720 3636 4535 3400 2100	34.20 7.90 31.20 7.90 31.20 48.60 48.60 66.00 47.00 47.00 47.00 151.68 GRADE 60 GRADE 60 17.50 14.00 17.50 14.00 14.00 14.00 4.26 15.00 14.00 4.265 8.80 38.08 7.27 18.14 27.20 8.40 GRADE 40 GRADE 40 GRADE 40 GRADE 40	3.854 2.466 2.466 3.854 3.854 1.579 1.579 1.579 1.579 1.579 1.579 0.888 0.688 0.688 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579	132 20 77 31 121 120 188 105 75 75 33 135 774 lgs. 528 kgs 36 16 13 13 7 24 68 47 14 66 61 12 29 43 74 14 61 12 29 43 14 399 kgs. 527 kg 534EE	92.81 ga. ga.
		400 400 400 400 250 250 250 250 250 250 250 250 3500 350	3450 3350 3450 3500 5250 2100 2100 2100 1400 450 1400 450 170 170 170 120 236 236 236 236 358	150 150 150 150 150 - - - - - - - - - - - - - - - - - - -				3950 3900 3950 3900 4050 5500 2350 2350 2350 2350 3500 3500 3	34.20 7.90 31.20 7.90 31.20 48.60 48.60 66.00 47.00 47.00 47.00 151.68 GRADE 60 GRADE 60 17.50 14.00 17.50 14.00 14.00 14.00 4.26 15.00 43.05 29.55 8.80 38.08 7.27 18.14 27.20 8.40 GRADE 40 GRADE 40 GRADE 40 GRADE 40	3.854 2.466 3.854 3.854 2.466 3.854 1.579 1.579 1.579 1.579 1.579 1.579 1.579 0.888 0.888 0.888 0.888 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579	132 20 77 31 121 120 188 105 75 75 33 135 774 lgs. 528 kgs 36 16 13 13 7 24 68 47 14 66 61 12 29 43 74 14 61 12 29 43 14 399 kgs. 527 kg 534EE	92.81 ge, ge,
N N N K K		400 400 400 400 250 250 250 250 250 250 250 250 3500 350	3450 3350 3450 3500 5250 2100 2100 2100 1400 450 1400 450 170 170 170 120 236 236 236 236 358	150 150 150 150 150 - - - - - - - - - - - - - - - - - - -				3950 3900 3950 3900 4050 5500 2350 2350 2350 2350 3500 3500 3	34.20 7.90 31.20 7.90 31.20 48.60 48.60 66.00 47.00 47.00 47.00 151.68 GRADE 60 GRADE 40 17.50 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 14.00 1	3.854 2.466 2.466 3.854 3.854 1.579 1.579 1.579 1.579 1.579 1.579 1.579 0.888 0.688 0.688 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579	132 20 77 31 121 120 188 105 75 75 33 135 774 lgs. 528 kgs 36 16 13 13 7 24 68 47 14 66 61 12 29 43 74 14 61 12 29 43 14 399 kgs. 527 kg 534EE	92.81 ga. ga.
		400 400 400 400 250 250 250 250 250 250 250 250 3500 350	3450 3350 3450 3500 5250 2100 2100 2100 1400 450 1400 450 170 170 170 120 236 236 236 236 358	150 150 150 150 150 - - - - - - - - - - - - - - - - - - -				3950 3900 3950 3900 4050 5500 2350 2350 2350 2350 3500 3500 3	34.20 7.90 31.20 7.90 31.20 48.60 66.00 47.00 47.00 47.00 20.60 151.68 GRADE 60 GRADE 60 GRADE 40 17.50 14.00 14.00 14.00 4.226 13.05 29.55 8.80 38.08 7.27 18.14 27.20 8.40 GRADE 40 GRADE 40 G	3.854 2.466 2.466 3.854 3.854 1.579 1.579 1.579 1.579 1.579 1.579 1.579 0.888 0.688 0.688 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579	132 20 77 31 121 120 188 105 75 75 33 135 774 lgs. 528 kgs 36 16 13 13 7 24 68 47 14 66 61 12 29 43 74 14 61 12 29 43 14 399 kgs. 527 kg 534EE	92.81 ga. ga.

CABANATUAN BYPASS - CONTRACT PACKAGE ||



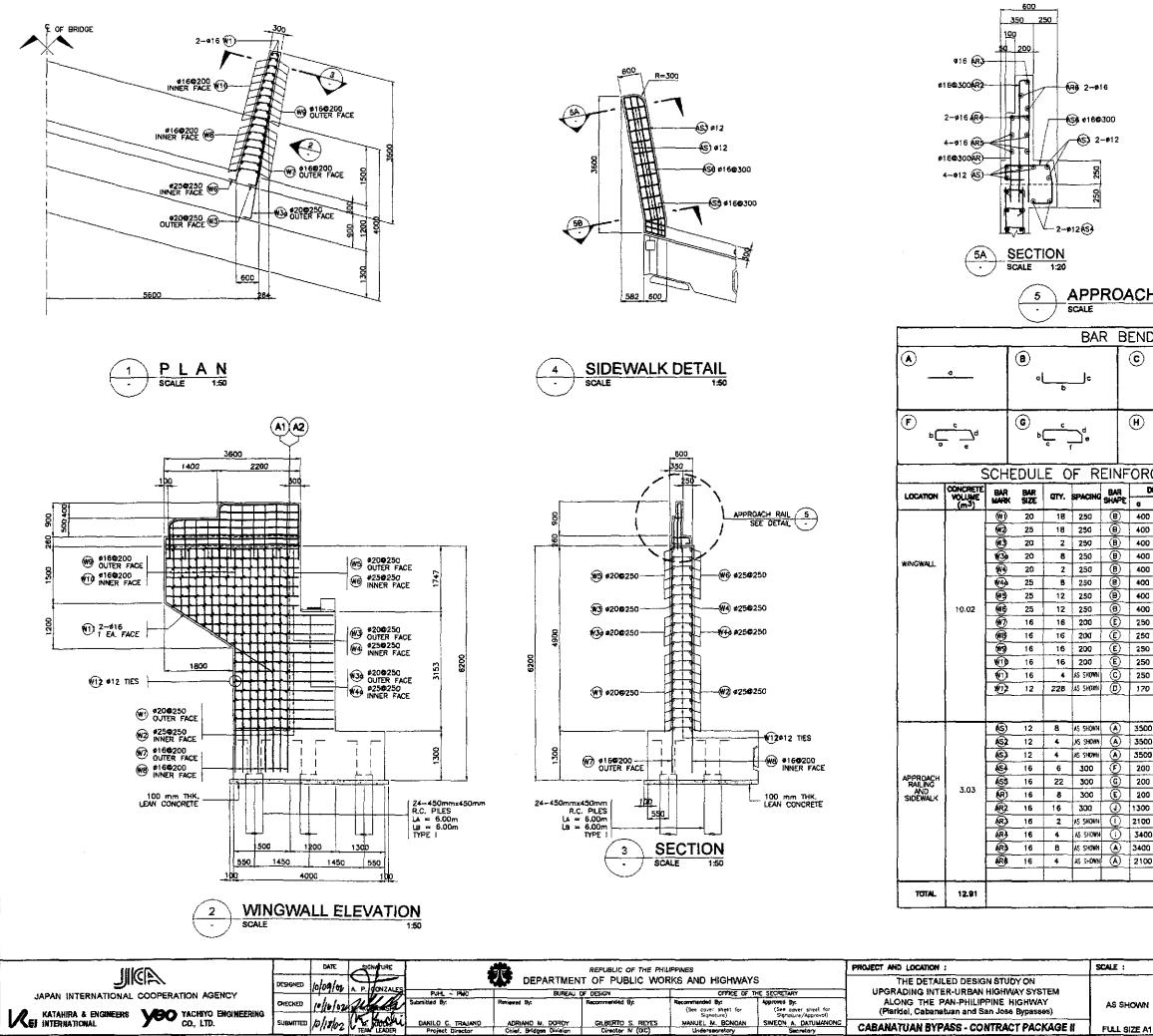
:	SHEET CONTENTS :	SHEET NO. :
	BRIDGE NO. 5	
200	GENERAL PLAN	B5-01
SIZE A1	(ULTIMATE STAGE)	





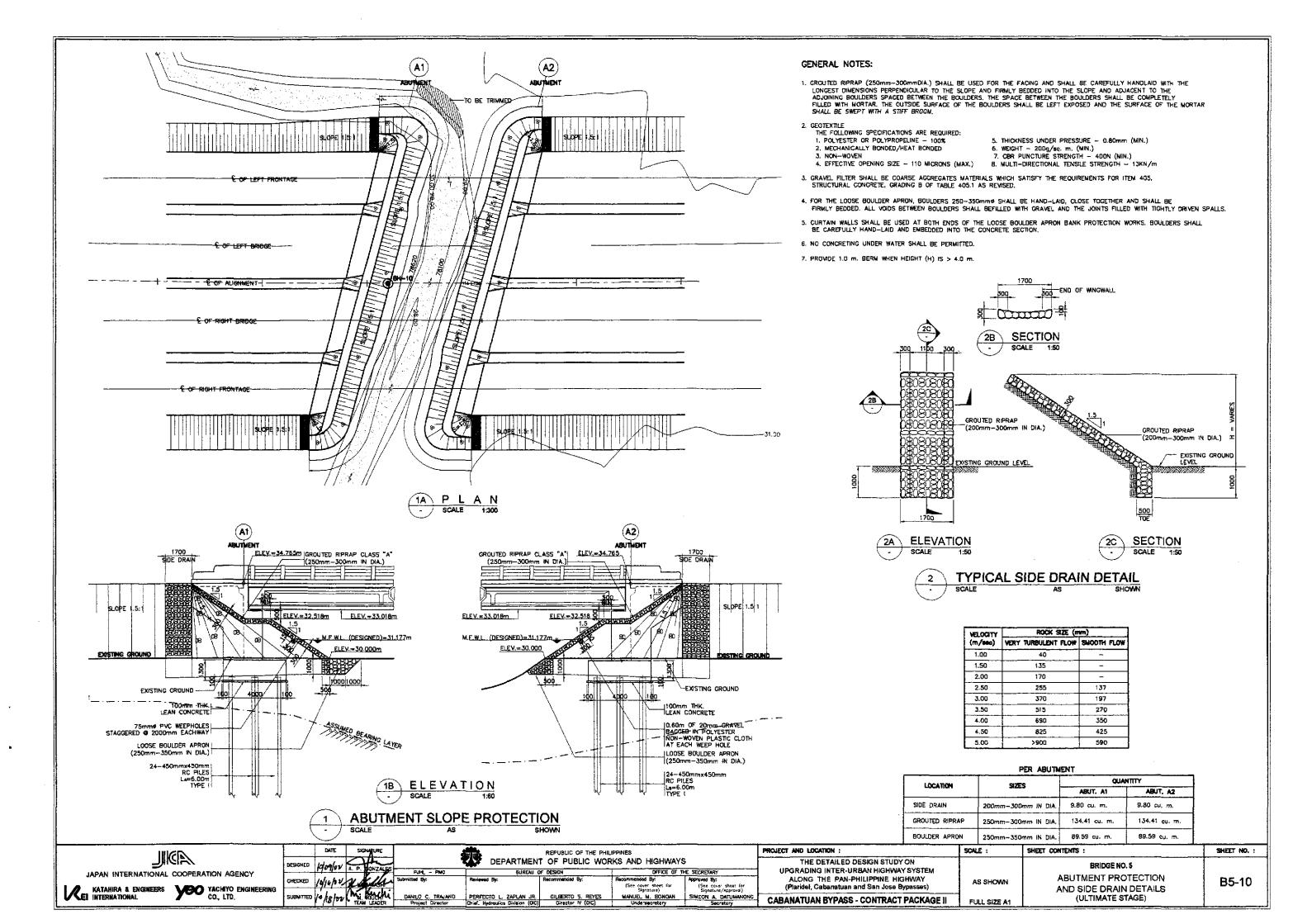
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		S	CHE	DUL	E OI	F R	EINF	ORC	EM	ENT	PER	AB	UTM	INT			-
LOCATION	CONCRETE VOLUME (m ² )	BAR MARK	BAR SIZE	QTY.	SPACING	BAR SHAPE	DiM	ENSIONS	s (mn	n) Ουτ π d		f	LENGTH EA. BAR (mm)	TOTAL LENGTH (m)	UNIT WT. (kg/m)	WEIGHT (kg)	REBAR RATIO (ing/m ³ )
	<u> </u>	$\odot$	16	57	200	₿	2000	200	2000	> ~	-	-	4200	239.40	1.579	379	
BACKWALL	6.99	2	16	14	250	۲	11500	-	-	-	-	-	11500	161,00	1.579	255	112.55
	W109	9	16	51	200	0	600	150	750	- 1	-	-	1500	76.50	1,579	121	112.00
	···· <del>··</del> ·····	Õ	15	2	AS SHOWN	<u>()</u>	10250		-				10250	20.50	1.579	33	<u> </u>
		6	25	57	200	<u> </u>	400	4200	-	-	-	-	4600	262.50	3.854	1011	-
		6	20	57	200	<u> </u>	400	4200	-				4600	262.50	2.466	647	4
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		Ğ	26	59	200	B	700	3850	700	-		_	5250	309.75	4.833	1498	<u>+</u> · · · · · · · · · · · · · · · · · · ·
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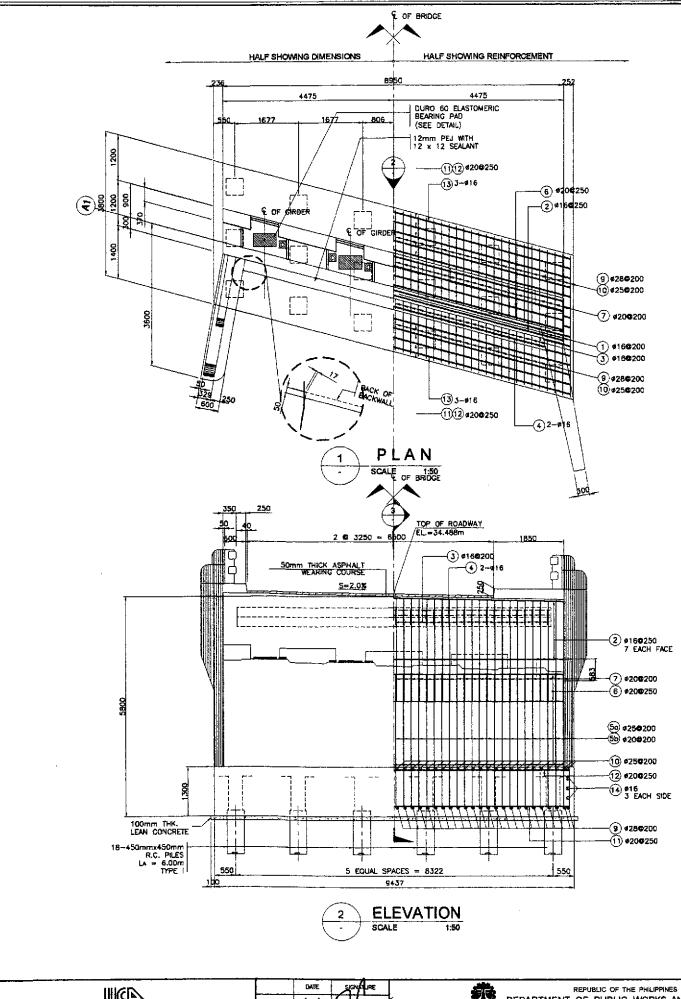
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REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS BUREAU OF DESIGN BUREAU OF DESIGN Recommended By: Recommended By: Recommended By: Recommended By: Recommended By: (See cover sheet for Signature) Signature) BUREAU A. DRTWANONG CILBERTO S. REYES	UPGR ALC (Plari	THE DETAIL ADING INTE NG THE P/ del, Cabanat	R-URBAN AN-PHILIF uan and S	HIGHW PINE H an Jose	VAY SY HIGHWA Bypas	ay Ses)		SCALE :	50	-		VALL I	BRI BUTMI REINF	ORCE	1 & A2 MENT [	DETAILS		<u>знеет но.</u> В5-06
ief, Bridges Division Director IV (OIC) Underscreetory Secretory	CABANA	TUAN BYP	<u>155 - CO</u>	NTRAC	CT PAC	KAG	E #	FULL S	IZE A1	<u> </u>		(		ATE ST	AGE)		<u></u>	

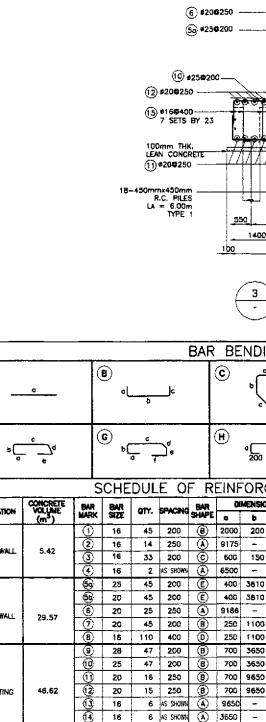


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LOCATION

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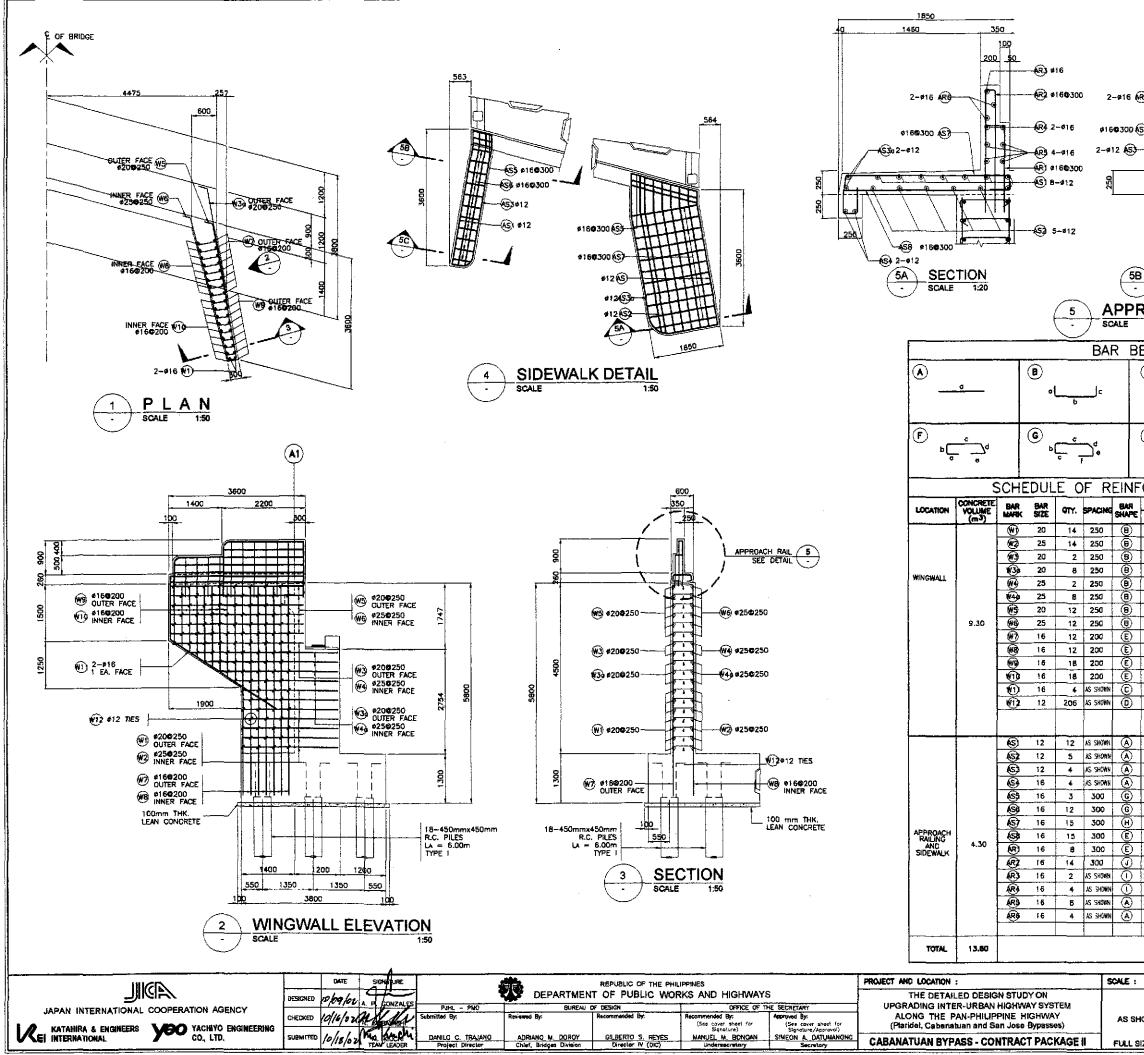
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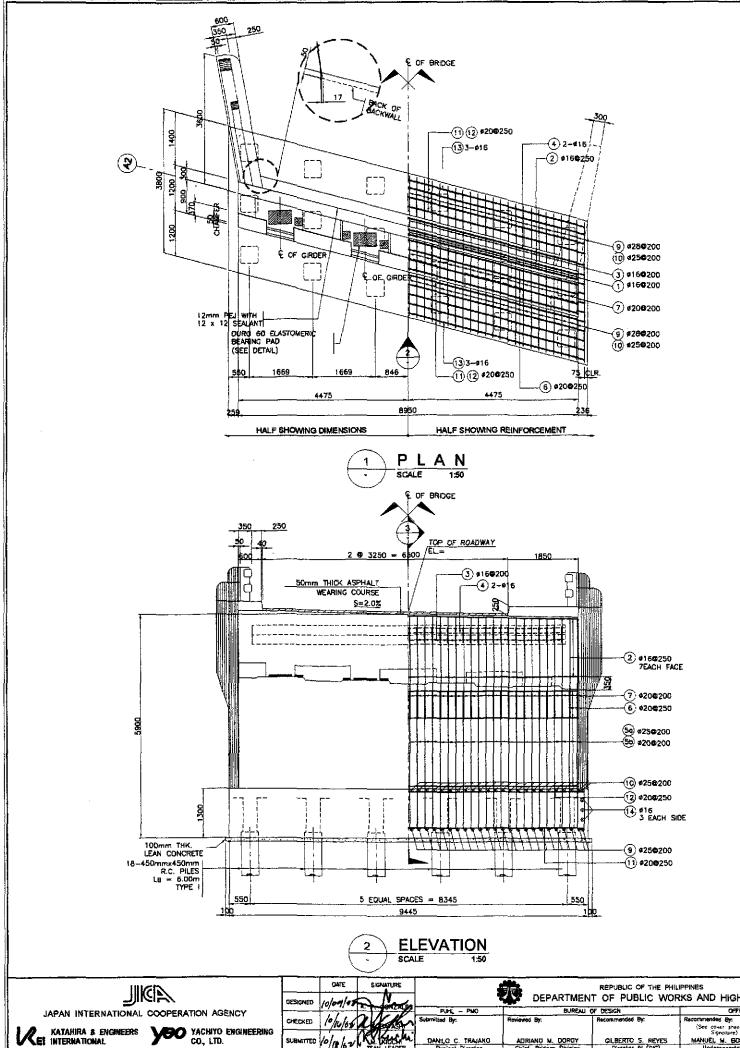
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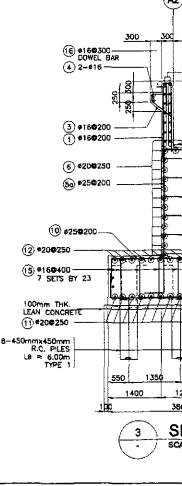
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JAPAN INTERNATIONAL COOPERATION AGENCY	CHECKED	10/14 lor	nk	I.	PJHL - PMD Submitted By:	BUREAU I Reviewed By:	OF DESIGN Recommended By:	OFFICE OF TH Recommended By:	Approved By:	ALONG THE PAN-PHILIPPINE HIGHWAY	1:50	
KATAHIRA & ENGINEERS YOO YACHIYO ENGINEERING	CLIPSUTT D	linter			DANILO C. TRAJANO	ADRIANC M. DOROY	GILBERTO S. REYES	(See cover sheet for Signoture) MANLIEL, M. BONDAN	(See cover sheet for Signature/Approval) SINEON A. DATUMANONG	(Plaridel, Cabanatuan and San Jose Bypasses)		
CO., LTD.	SUBNITTED	9/10/02	TEAN LE	ADEA	Project Director	Chief, Bridges Division	Director N (OIC)	Undersecretory	Secretary	CABANATUAN BYPASS - CONTRACT PACKAGE II	FULL SIZE A1	

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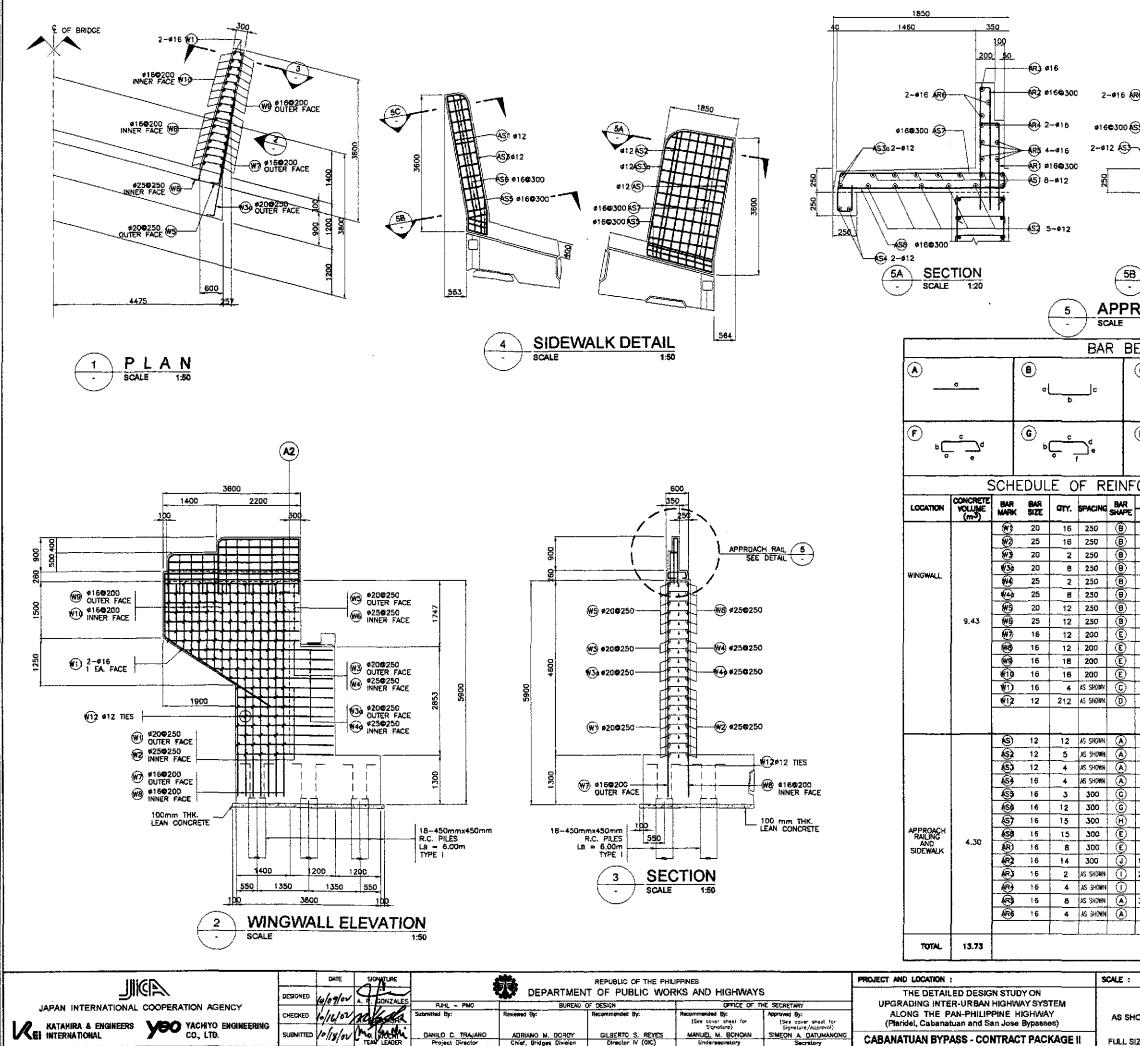
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400 400 400 400 400 400 400 250 250 250 250 250 250	2500 3400 3350 3350 3500 3500 5550 5550 2100 2100 1500	150 150 150 150 150 150 - - - - - - - - - - - - - - - - - - -		-		3050 3950 3900 3950 3900 4050 4050 5800 5800 2350 2350 2350 5250	42.70 42.70 7.90 31.20 7.80 31.20 48.60 69.60 69.60 69.60 42.30 21.00 75.84 GRADE 1	3.854 2.466 2.466 3.854 3.854 2.486 3.854 1.579 1.579 1.579 1.579 1.579 1.579 0.868 50 TOTAL	165 20 77 31 121 120 188 110 110 67 67 34 145 928 kg	18.
400 400 400 400 400 400 400 250 250 250 250 250 250 170	2500 3400 3350 3500 3500 5550 5550 2100 2100 1500 450	150 150 150 150 150 150 - - - - - - 3500 170		-		3050 3950 3900 3950 3900 4050 4050 5800 2350 2350 2350 5250 790	42.70 42.70 7.90 31.20 7.90 31.20 48.60 69.60 69.60 42.30 42.30 21.00 75.84 GRADE GRADE	3.854 2.466 3.854 3.854 3.854 1.579 1.579 1.579 1.579 1.579 1.579 0.888 50 TOTAL -	165 20 77 31 121 120 188 110 110 67 67 34 145 928 kg = 533 kg	18.
400 400 400 400 400 400 250 250 250 250 250 250 170 3500	2500 3400 3350 3350 3500 3500 5550 5550 2100 2100 1500	150 150 150 150 150 150 - - - - - - - - - - - - - - - - - - -		-		3050 3950 3900 3950 4050 4050 5800 2350 2350 2350 5250 790 35500	42.70 42.70 7.90 31.20 7.90 31.20 48.60 69.60 69.60 42.30 42.30 21.00 75.84 GRADE GRADE 42.00	3.854 2.466 3.854 3.854 2.486 3.854 1.579 1.579 1.579 1.579 1.579 0.888 50 TOTAL - 0.888	165 20 77 31 121 120 188 110 110 67 67 34 145 928 kg 953 kg 36	18.
400 400 400 400 400 400 400 250 250 250 250 250 250 170	2500 3400 3350 3500 3500 5550 5550 2100 2100 1500 450	150 150 150 150 150 150 - - - - - - 3500 170		-		3050 3950 3900 3950 3900 4050 4050 5800 2350 2350 2350 5250 790	42.70 42.70 7.90 31.20 7.90 31.20 48.60 69.60 69.60 42.30 42.30 21.00 75.84 GRADE GRADE	3.854 2.466 3.854 3.854 3.854 1.579 1.579 1.579 1.579 1.579 1.579 0.888 50 TOTAL -	165 20 77 31 121 120 188 110 110 67 67 34 145 928 kg = 533 kg 38 16	18.
400 400 400 400 400 400 250 250 250 250 250 250 170 3500	2500 3400 3350 3500 3500 5550 5550 2100 2100 1500 450	150 150 150 150 150 150 - - - - - - 3500 170		-		3050 3950 3900 3950 4050 4050 5800 2350 2350 2350 5250 790 35500	42.70 42.70 7.90 31.20 7.90 31.20 48.60 69.60 69.60 42.30 42.30 21.00 75.84 GRADE GRADE 42.00	3.854 2.466 3.854 3.854 2.486 3.854 1.579 1.579 1.579 1.579 1.579 0.888 50 TOTAL - 0.888	165 20 77 31 121 120 188 110 110 67 67 34 145 928 kg 953 kg 36	18.
400 400 400 400 400 250 250 250 250 250 250 170 3500 3500	2500 3400 3350 3500 3500 5550 5550 2100 2550 2100 1500 450	150 150 150 150 150 150 - - - - - - 3500 170				3050 3950 3900 3950 4050 4050 5800 2350 2350 2350 5250 790 35500 35500	42.70 42.70 7.90 31.20 7.90 31.20 48.60 69.60 69.60 42.30 42.30 21.00 75.84 GRADE 42.00 17.50	3.854 2.466 3.854 3.854 3.854 1.579 1.579 1.579 1.579 1.579 0.888 50 TOTAL - 0.888 0.888	165 20 77 31 121 120 188 110 110 67 67 34 145 928 kg 533 kg 38 16 13	18.
400 400 400 400 400 250 250 250 250 250 250 250 3500 3500	2500 3400 3350 3350 3500 5550 2100 2100 2100 450 - -	150 130 150 150 150 150 - - - - - - - - - - - - - - - - - - -		-		3050 3950 3900 3950 4050 4050 5800 2350 2350 2350 5250 790 3500 3500 3500	42.70 42.70 7.90 31.20 7.90 31.20 48.60 69.60 69.60 42.30 42.30 21.00 75.84 GRADE 42.00 17.50 14.00	3.854 2.466 3.854 3.854 2.486 3.854 1.579 1.579 1.579 1.579 1.579 0.888 50 TOTAL - 0.888 0.888 0.888 0.888	165 20 77 31 121 120 188 110 110 67 67 34 145 928 kg 533 kg 38 16 13	18.
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400 400 400 400 400 250 250 250 250 250 250 250 3500 3500	2500 3400 3350 3350 3500 5550 2100 2100 450  - - - - 170	150 130 150 150 150 - - - - - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - - - -	- - - - - 170 200		3050 3950 3900 3950 4050 4050 5800 2350 2350 2350 3500 3500 3500 3500 35	42.70 42.70 7.90 31.20 7.80 31.20 48.60 69.60 69.60 42.30 42.30 21.00 75.84 GRADE 42.00 17.50 14.00 14.00 4.26	3.854 2.466 3.854 3.854 1.579 1.579 1.579 1.579 1.579 0.868 50 TOTAL 0.888 0.888 0.888 0.888 1.579 1.579	165 20 77 31 121 120 188 110 110 67 67 34 145 928 kg 533 kg 38 16 13 13 7	18.
400 400 400 400 400 250 250 250 250 250 250 250 3500 3500	2500 3400 3350 3350 3500 5550 2100 2100 2100 450  - - - - 170 170	150 130 150 150 150 150 - - - - - - - - - - - - - - - - - - -		- - - - - 170 200		3050 3950 3900 3950 4050 4050 5800 2350 2350 2350 3500 3500 3500 3500 35	42.70 42.70 7.90 31.20 7.80 31.20 48.60 69.60 69.60 42.30 42.30 21.00 75.84 GRADE 42.00 17.50 14.00 14.00 4.26 15.00	3.854 2.466 2.466 3.854 3.854 1.579 1.579 1.579 1.579 1.579 0.888 50 TOTAL 0.888 0.888 0.888 0.888 1.579 1.579 1.579	165 20 77 31 121 120 188 110 110 67 67 34 145 928 kg 533 kg 38 16 13 13 7 24	18.
400 400 400 400 400 250 250 250 250 250 250 250 3500 3500	2500 3400 3350 3350 3500 5550 2100 2100 1500 450 - - - - - 170 170 170	150 130 150 150 150 150 - - - - - - - - - - - - - - - - - - -		- - - - - 170 200 170	- - - - - - - - - - - - - - - - - - -	3050 3950 3900 3950 4050 5800 2350 2350 2350 2350 3500 3500 3500 35	42.70 42.70 7.90 31.20 7.80 31.20 48.60 69.60 69.60 42.30 42.30 21.00 75.84 GRADE 4 GRADE 4 42.00 17.50 14.00 14.00 4.26 15.00 4.305	3.854 2.466 3.854 3.854 1.579 1.579 1.579 1.579 1.579 1.579 0.888 50 TOTAL 0.888 0.888 0.888 0.888 1.579 1.579 1.579 1.579	165 20 77 31 121 120 188 110 110 67 67 34 145 928 kg 533 kg 38 16 13 13 7 7 24 58	35. 55.
400 400 400 400 400 250 250 250 250 250 250 250 3500 3500	2500 3400 3350 3500 3500 5550 2100 2100 450 450 - - - - 170 170 170 1770	150 130 150 150 150 150 - - - - - - - - - - - - - - - - - - -		- - - - 170 200 170 -	- - - - - - - - - - - - - - - - - - -	3050 3950 3900 3950 4050 4050 5800 2350 2350 2350 2350 3500 3500 3500 35	42.70 42.70 7.90 31.20 7.80 31.20 48.60 69.60 69.60 42.30 42.30 21.00 75.84 GRADE 4 GRADE 4 42.00 17.50 14.00 14.00 4.26 15.00 4.305 29.55	3.854 2.466 3.854 3.854 1.579 1.579 1.579 1.579 1.579 1.579 0.888 0.888 0.888 0.888 0.888 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579	165 20 77 31 121 120 188 110 110 67 67 34 145 = 928 kg = 533 kg 38 16 13 13 7 24 58 47	35. 55.
400 400 400 400 400 250 250 250 250 250 250 250 3500 3500	2500 3400 3350 3500 3500 5550 2100 2100 450 450 - - - - 170 170 170 900	150 130 150 150 150 - - - - - - - - - - - - - - - - - - -		- - - - 170 200 170 -	- - - - - - - - - - - - - - - - - - -	3050 3900 3900 3950 4050 4050 5800 2350 2350 2350 2350 3500 3500 3500 35	42.70 42.70 7.90 31.20 7.80 31.20 48.60 69.60 69.60 42.30 42.30 21.00 75.84 GRADE 42.30 21.00 75.84 GRADE 42.00 17.50 14.00 14.00 4.26 15.00 4.3.05 29.55 8.80	3.854 2.466 3.854 3.854 1.579 1.579 1.579 1.579 1.579 1.579 0.868 50 TOTAL 0.888 0.888 0.888 0.888 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579	165 20 77 31 121 120 188 110 110 67 67 34 145 = 928 kg = 533 kg 38 16 13 13 7 24 58 47 14	35. 55.
400 400 400 400 400 250 250 250 250 250 250 250 3500 3500	2500 3400 3350 3350 3500 5550 2100 2100 450 450 - - - - 170 170 170 170 900 120	150 150 150 150 150 - - - - - - - - - - - - - - - - - - -		- - - - 170 200 170 -	- - - - - - - - - - - - - - - - - - -	3050 3990 3990 3990 4050 5800 5800 2350 2350 2350 2350 3500 3500 3500 35	42.70 42.70 7.90 31.20 7.90 48.60 69.60 69.60 42.30 42.30 21.00 75.84 GRADE 4 GRADE 4 GRADE 1 14.00 17.50 14.00 4.2.60 14.00 4.3.05 29.55 8.80 38.08	3.854 2.466 3.854 3.854 1.579 1.579 1.579 1.579 1.579 1.579 0.868 50 TOTAL 0.888 0.888 0.888 0.888 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579	165 20 77 31 121 120 188 110 110 67 67 34 145 = 928 kg = 533 kg 38 16 13 13 7 24 58 47 14 61	35. 55.
400 400 400 400 250 250 250 250 250 250 3500 3500 350	2500 3400 3350 3500 3500 5550 2100 2100 450 450 - - - - 170 170 170 170 236	150 150 150 150 150 - - - - - - - - - - - - - - - - - - -		- - - - - - 170 200 170 - - - - -	- - - - - - - - - - - - - - - - - - -	3050 3950 3900 3950 3900 4050 5800 2350 2350 2350 2350 3500 3500 3500 35	42.70 42.70 7.90 31.20 7.90 31.20 48.60 69.60 69.60 42.30 42.30 21.00 75.80 67.80 42.30 21.00 75.80 67.80 42.30 14.00 14.00 4.26 15.00 4.3.05 29.55 8.80 38.06 7.27	3.854 2.466 3.854 3.854 3.854 1.579 1.579 1.579 1.579 1.579 1.579 0.868 50 TOTAL 0.888 0.888 0.888 0.888 0.888 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579	165 20 77 31 121 120 188 110 110 67 67 34 145 928 kg 533 kg 38 16 13 13 7 24 58 47 14 61 12	35. 55.
400 400 400 400 400 250 250 250 250 250 250 250 3500 3500	2500 3400 3350 3500 3500 5550 2100 2100 450 450 - - - - 170 170 170 170 236	150 150 150 150 150 - - - - - - - - - - - - - - - - - - -		- - - - - - 170 200 170 - - - - -	- - - - - - - - - - - - - - - - - - -	3050 3950 3900 3950 3900 4050 5800 2350 2350 2350 2350 3500 3500 3500 35	42.70 42.70 7.90 31.20 7.90 31.20 48.60 69.60 69.60 42.30 42.30 21.00 75.80 GRADE 42.30 14.00 17.50 14.00 4.2.60 14.00 4.2.60 14.00 4.2.60 14.00 4.3.05 29.55 8.80 38.06 7.27 18.14	3.854 2.466 3.854 3.854 1.579 1.579 1.579 1.579 1.579 1.579 0.868 50 TOTAL 0.888 0.888 0.888 0.888 0.888 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579	165 20 77 31 121 120 188 110 110 67 67 34 145 928 kg 533 kg 38 16 13 13 7 24 58 47 14 61 12 29	35. 55.
400 400 400 400 400 250 250 250 250 250 250 250 3500 3500	2500 3400 3350 3500 3500 5550 2100 2100 450 450 - - - - 170 170 170 170 236	150 150 150 150 150 - - - - - - - - - - - - - - - - - - -		- - - - - - 170 200 170 - - - - -	- - - - - - - - - - - - - - - - - - -	3050 3950 3900 3950 4050 4050 5800 2350 2350 2350 2350 3500 3500 3500 35	42.70 42.70 7.90 31.20 7.90 48.60 69.60 69.60 42.30 42.30 42.30 21.00 75.84 GRADE 4 GRADE 4 42.00 17.50 14.00 14.00 14.00 43.05 29.55 8.80 38.06 7.27 18.14 27.20 8.40	3.854 2.466 3.854 3.854 1.579 1.579 1.579 1.579 1.579 1.579 0.868 50 TOTAL 40 TOTAL	165 20 77 31 121 120 188 110 110 67 67 34 145 \$28 kg 533 kg 38 16 13 13 13 7 24 58 47 14 61 12 29 43 14	35. 55.
400 400 400 400 250 250 250 250 250 250 250 3500 3500	2500 3400 3350 3500 3500 5550 2100 2100 450 450 - - - - 170 170 170 170 236	150 150 150 150 150 - - - - - - - - - - - - - - - - - - -		- - - - - - 170 200 170 - - - - -	- - - - - - - - - - - - - - - - - - -	3050 3950 3900 3950 4050 4050 5800 2350 2350 2350 2350 3500 3500 3500 35	42.70 42.70 7.90 31.20 7.90 31.20 48.60 69.60 69.60 42.30 42.30 21.00 75.84 GRADE 4 GRADE 4 42.00 17.50 14.00 14.00 14.00 4.3.05 29.55 8.80 38.08 7.27 18.14 27.20 8.40 GRADE 44 GRADE	3.854 2.466 2.466 3.854 3.854 1.579 1.579 1.579 1.579 1.579 0.888 0.888 0.888 0.888 0.888 0.888 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579	165 20 77 31 121 120 188 110 110 67 67 34 145 533 kg 38 16 13 13 7 24 58 47 14 58 47 14 58 47 14 58 47 14 58 828 kg 9 7 24 58 47 14	92.81
400 400 400 400 250 250 250 250 250 250 250 3500 3500	2500 3400 3350 3500 3500 5550 2100 2100 450 450 - - - - 170 170 170 170 236	150 150 150 150 150 - - - - - - - - - - - - - - - - - - -		- - - - - - 170 200 170 - - - - -	- - - - - - - - - - - - - - - - - - -	3050 3950 3900 3950 4050 4050 5800 2350 2350 2350 2350 3500 3500 3500 35	42.70 42.70 7.90 31.20 7.90 31.20 48.60 69.60 69.60 42.30 42.30 21.00 75.84 GRADE 4 GRADE 4 42.00 17.50 14.00 14.00 14.00 4.3.05 29.55 8.80 38.08 7.27 18.14 27.20 8.40 GRADE 44 GRADE	3.854 2.466 2.466 3.854 3.854 1.579 1.579 1.579 1.579 1.579 1.579 0.888 0.888 0.888 0.888 0.888 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579	165 20 77 31 121 120 188 110 110 67 67 34 145 533 kg 38 16 13 13 7 24 58 47 14 58 47 14 58 47 14 58 47 14 58 828 kg 9 7 24 58 47 14	92.81
400 400 400 400 250 250 250 250 250 250 250 3500 3500	2500 3400 3350 3350 3500 5550 2100 2100 1500 450   170 170 170 170 170 170 170 236 236    	150 150 150 150 150 150 - - - - - - - - - - - - - - - - - - -		- - - - - - - 170 200 170 - - - - - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - - - -	3050 3950 3900 3950 4050 4050 5800 2350 2350 2350 2350 3500 3500 3500 35	42.70 42.70 7.90 31.20 7.90 31.20 48.60 69.60 69.60 42.30 42.30 21.00 75.84 GRADE 4 GRADE 4 42.00 17.50 14.00 14.00 14.00 4.3.05 29.55 8.80 38.08 7.27 18.14 27.20 8.40 GRADE 44 GRADE	3.854 2.466 2.466 3.854 3.854 1.579 1.579 1.579 1.579 1.579 0.888 0.888 0.888 0.888 0.888 0.888 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579	165 20 77 31 121 120 188 110 110 67 67 34 145 533 kg 38 16 13 13 7 24 58 47 14 56 47 14 12 29 43 14 339 kg 932 kg	92.81 92.81
400 400 400 400 250 250 250 250 250 250 250 3500 3500	2500 3400 3350 3350 3500 5550 2100 2100 1500 450   170 170 170 170 170 170 170 236 236    	150 150 150 150 150 - - - - - - - - - - - - - - - - - - -		- - - - - - - 170 200 170 - - - - - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - - - -	3050 3950 3900 3950 4050 4050 5800 2350 2350 2350 2350 3500 3500 3500 35	42.70 42.70 7.90 31.20 7.90 31.20 48.60 69.60 69.60 42.30 42.30 21.00 75.84 GRADE 4 GRADE 4 42.00 17.50 14.00 14.00 14.00 4.3.05 29.55 8.80 38.08 7.27 18.14 27.20 8.40 GRADE 44 GRADE	3.854 2.466 2.466 3.854 3.854 1.579 1.579 1.579 1.579 1.579 0.888 0.888 0.888 0.888 0.888 0.888 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579	165 20 77 31 121 120 188 110 110 67 67 34 145 533 kg 38 16 13 13 7 24 58 47 14 56 47 14 12 29 43 14 339 kg 932 kg	92.81
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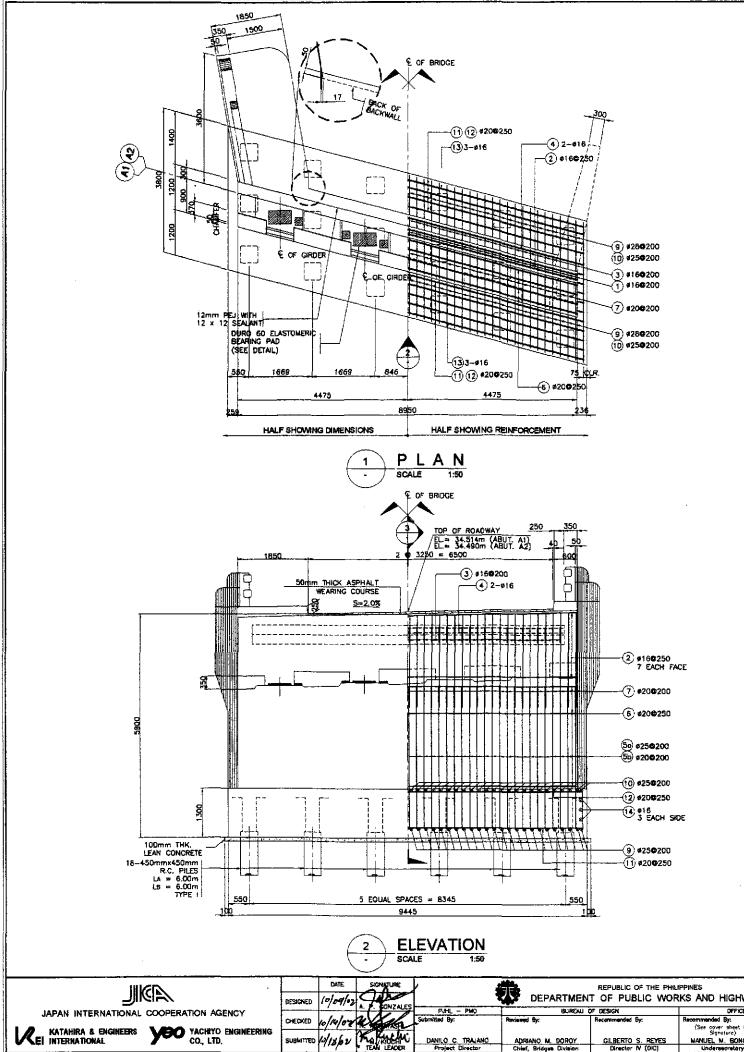


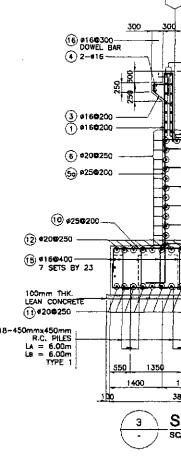
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		ED DESIGN S R-URBAN HIG		M						BF	UDGE NO	.5	_		
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		10 LE (11 18-450m	0 6205 6155 7 SE 0mm 1 AN CON 62062	(4) 2- (3) 61 (1) 61 (6) 62 (5) 62	69200 69200 109250 200				1350 CTTC			0 87 22		1300 2853 1747	2800		
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		· · · ·		DUL	ΕŌ	FR		_				AB	UTME				]
LOCATION	CONCRETE VOLUME (m ³ )	BAR MARK	BAR SIZE	QTY.	SPACING	BAR Shape		MENSION b	NS (mm ¢	) 00T 1 d	ro our +	f	LENOTH EA. BAR (mm)	TOTAL LENGTH (m)	UNET WT. (kg/m)	WEIGHT (iug)	REBAR RATIO (log/m ³ )
			16	45	200	0	2200	200	2000	-		-	4200	189.00	1.579	299	
BACKWALL	5.42	2 3	16 16	14 33	250 200	l (C)	9175 600	- 170	- 750	-	-	-	9175 1520	128.45	1.579	203 79	111.21
		Ō	16	2	as shown	٨	6650	_	-	-	-	-	6650	13.30	1.579	22	1
		69 69	25 20	45 45	200 200	Ē	400 400	3910 3910	-	-	-		4310 4310	193.95 193.95	3.854 2.466	748 479	
MAINWALL	30,64	Õ	20	27	250		9175	-	-	-	-	-	9175	247.73	2.465	611	76.69
	65.64	2 (8)	20	45	200		250 250	1100	250	-	-	-	1600	72.00	2.465	178	
		(8) (9)	16 28	110 47	400 200		250 700	1100 3550	250 3650	-	-	-	1600 8000	211.20	1.579 4.833	334 1148	<u> </u>
		Õ	Z5	47	200	0	700	3650	700	-		-	5050	237.35	3.854	915	
	46.66	1	20 20	16 16	250 250	() ()	700	9650 9650	700 700		-	-	11050	176.80	2.466	436	4 1
FOOTING	+0.00		16	10 6	as shown		700 9650	9650	700		-		9650	57.90	2.466	436	4 1
		14	16	6	as shown	Õ	3650	+	-	-	-	-	3650	21.90	1.579	35	
DOWEL.		15 16	16 16	1 <del>58</del> 22	400 300	0 E	250 650	1150 500	250		_		1650	277.20	1.579 1.579	438 40	
TOTAL	82.72		10	22			000	500		<u> </u>				25.30 RADE 40 RADE 60	TOTAL -	1,542	kge.
ROJECT AND	LOCATION :				<u> </u>		SCALE	:	T	SHEET (	CONTEN	is :					SHEET NO. :
T UPGRA ALOI	LOCATION : HE DETAIL DING INTE NG THE PA lel, Cabanati	ED DESK R-URBAN	N HIGH PPINE	WAY SY HIGHM	YSTEM VAY		SCALE	1:50			A		IDGE NO.				SHEET NO. : B5-23

a) 2-016 a) 2-016 b) 0160200 (1) 0250200 (1) 0160200 (1) 0160200	,	$\begin{array}{c} 300\\ (6) & e16@300\\ DOWEL BAR\\ (4) & 2-e16\\ (4) & 2-e16\\ (4) & 2-e16\\ (5) & e200\\ (1) & e16@200\\ (1) & e16@200\\ (1) & e16@200\\ (2) & e20@250\\ (5) & e20@250\\ (5) & e25@200\\ (6) & e25@200\\ (6) & e25@200\\ (6) & e25@200\\ (6) & e25@200\\ (7) & e25@200\\ (7) & e25@200\\ (1) & e25@200\\ (2) & e25@200\\ (3) & e$		7 #20@200 (b) #20@200 (c) #16@400 E SETS BY 22 75 CLR. 75 CLR. 75 CLR. 75 CLR. (c) #28@200 (c) #28@2	
350 50 600 7 EACH FACE		B □ □ □ □ □ □ □ □ □ □ □ □ □			ar REBAR
()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     ()     <	BACKWALL 5.42 MAINWALL 30.64	1         16         45         200         8           2         18         14         250         (A)           3         16         33         200         (C)           (A)         16         2         AS SHOWN         (A)           (Sg)         25         45         200         (E)           (B)         20         45         200         (E)	2200         200         2000           9175         -         -           600         170         750           6650         -         -           400         3910         -           400         3910         -           9175         -         -           250         1100         250	-         -         9175         128.45         1.579         2           -         -         -         1520         71.44         1.579         2           -         -         -         6650         13.30         1.579         2           -         -         -         6650         13.30         1.579         2           -         -         -         4310         193.95         3.854         3           -         -         -         4310         193.95         2.465         4           -         -         9175         247.73         2.465         6           -         -         1600         72.00         2.465         1	99 99 79 111.21 72 748 75 76.69 76
9 #250200 10 #200250 100	FOOTING 46.66 DOWEL	(8)         16         110         400         (0)           (9)         28         47         200         (6)           (10)         25         47         200         (6)           (11)         20         16         250         (6)           (12)         20         16         250         (6)           (13)         16         6         as swam         (A)           (14)         16         6         as swam         (A)           (13)         16         1588         400         (0)           (16)         16         22         300         (E)	250         1100         250           700         3550         3650           700         3650         700           700         9550         700           700         9550         700           9650         -         -           3650         -         -           2550         1150         250           650         500         -	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	34 48 115 136 136 75.01 92 35 335 138 40
	TOTAL 82.72			GRADE 60 TOTAL = $1,2$ GRADE 60 TOTAL = $4,8$	
REPUBLIC OF THE PHILIPPINES ARTMENT OF PUBLIC WORKS AND HIGHWAYS BUREAU OF DESIGN Recommended By: Recommended By: Recommended By: Stere Cyrer Signoluce/Approvid DOROY CILBERTO S. REVES MANUEL M. BOHOM Simeon A. Datubance Division Division Division Division Division Division Division Division	UPGRADING INTER ALONG THE PA (Plarklei, Cabanatu	ED DESIGN STUDY ON R-URBAN HIGHWAY SYSTEM IN-PHILIPPINE HIGHWAY Ian and San Jose Bypasses) SS - CONTRACT PACKAGE II	SCALE : 1 : 50 FULL SIZE A1	SHEET CONTENTS : BRIDGE NO.5 ABUTMENT A1 & A2 MAINWALL REINFORCEMENT DETAILS LEFT FRONTAGE(ULTIMATE STAGE)	SHEET NO. : B5-23

