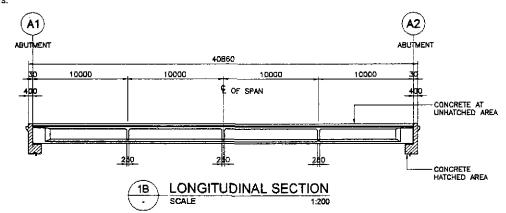
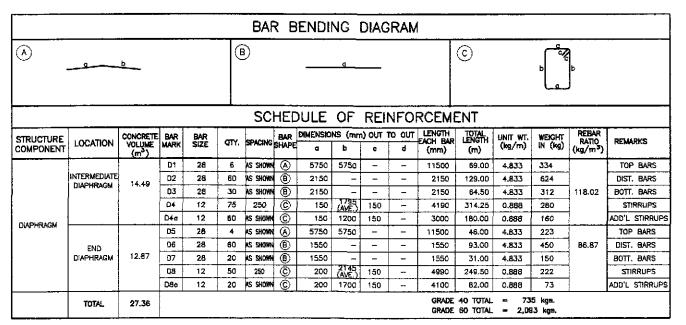


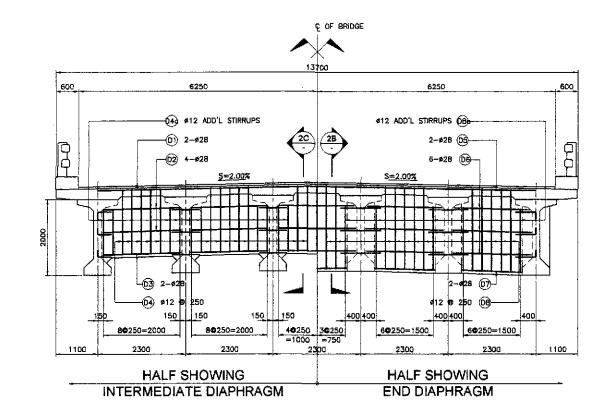
SCALE

- 1. CONCRETE AT HATCHED AREAS SHALL BE PLACED AT LEAST TWENTY ONE (21) DAYS AHEAD OF CONCRETE AT UNHATCHED AREAS.
- REINFORCEMENT SHALL BE CONTINUOUS AT CONSTRUCTION JOINTS.

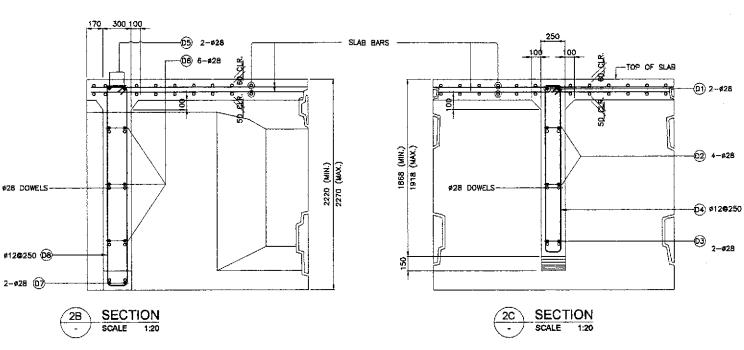


CONCRETE POURING SEQUENCE





2A ELEVATION SCALE



DETAIL OF END AND INTERMEDIATE DIAPHRAGM

الل	AD
JAPAN INTERNATIONAL	COOPERATION AGENCY
REI INTERNATIONAL	YACHIYO ENGINEERIN

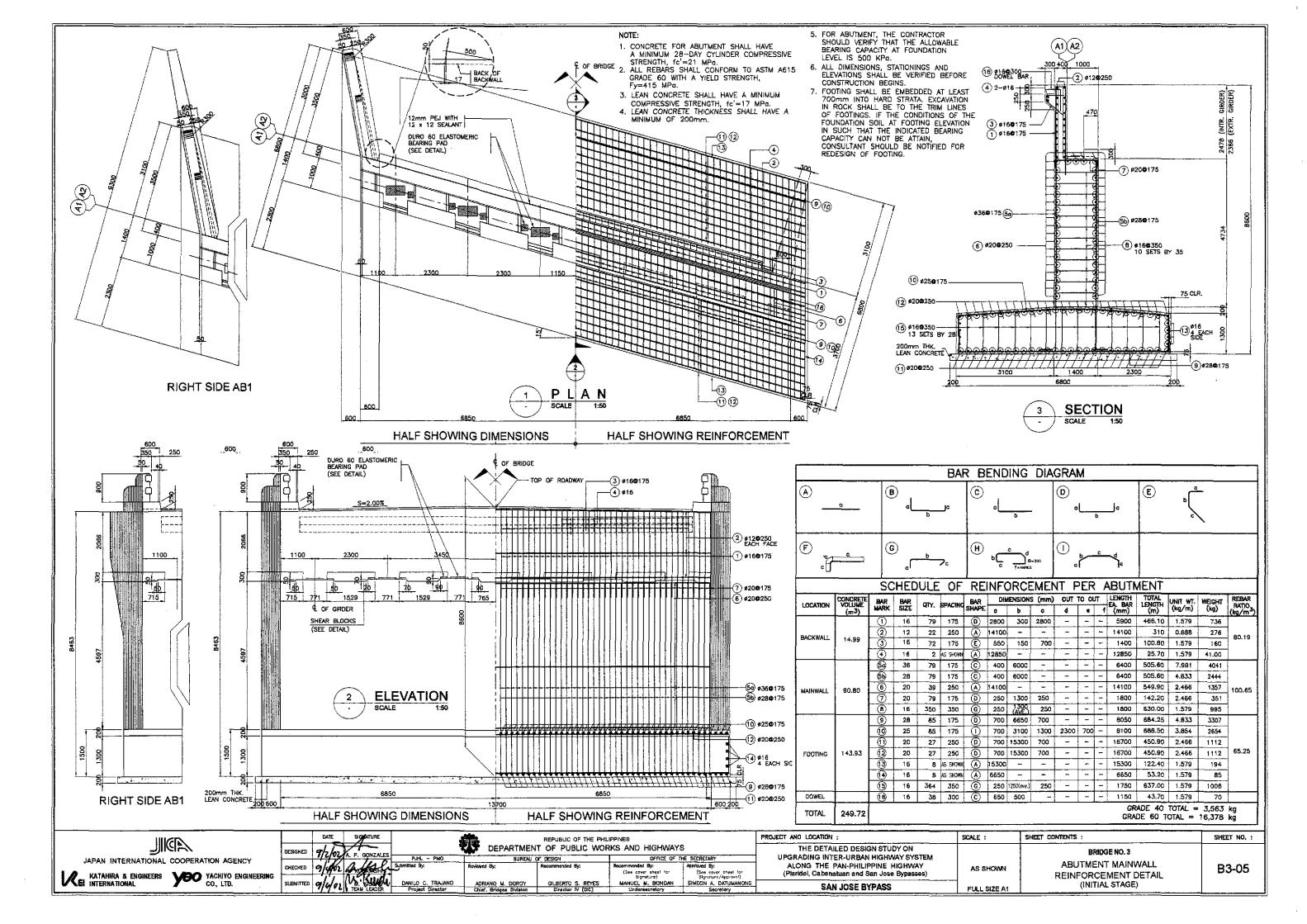
		DATE	SIGNATURE
	DESIGNED	9/2/02	E. H. SALLAN
	CHECKED	7/4/02	alfell
NG	SUBMITTED	9/4/02	MAT KLEMEN TEADER

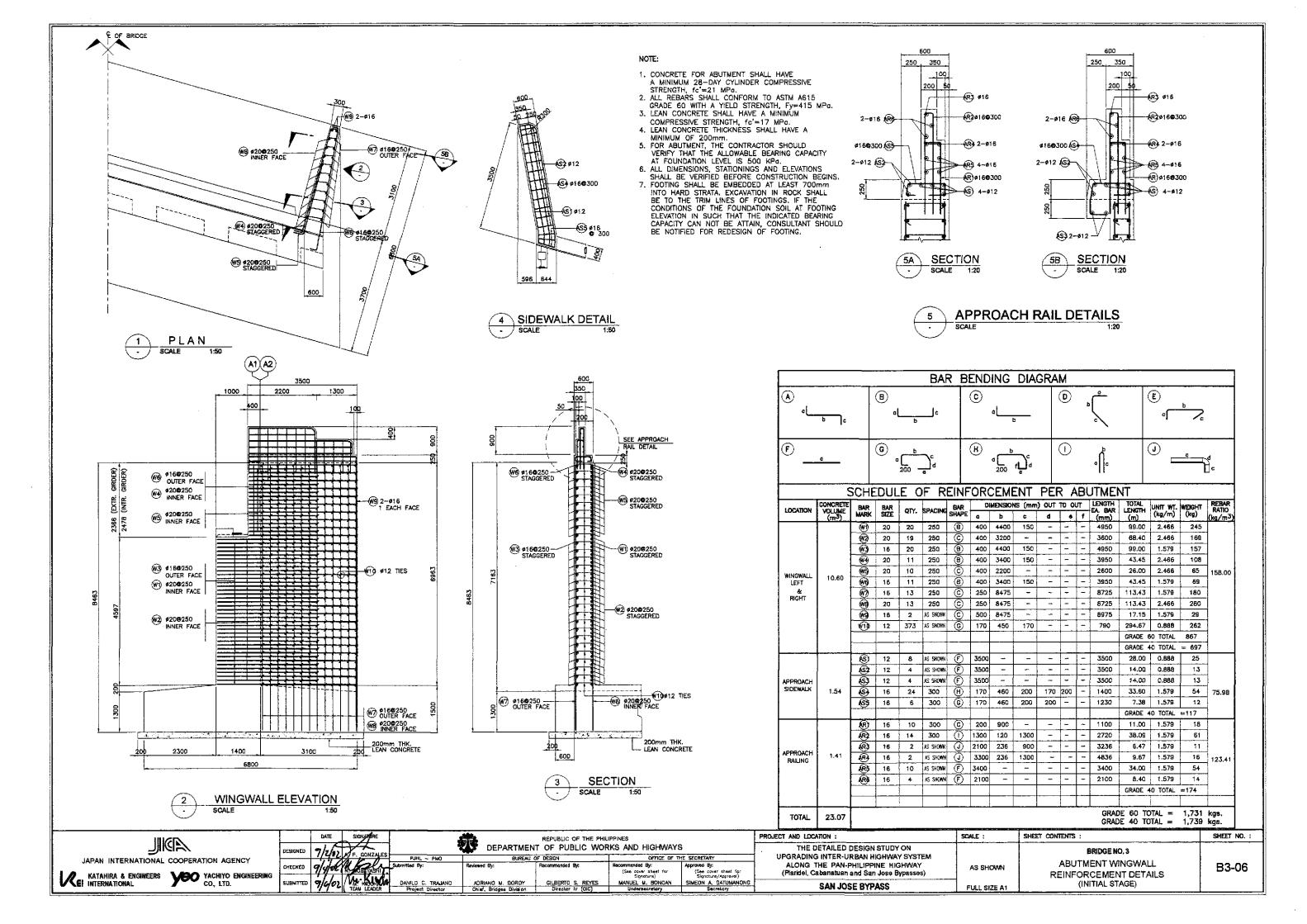
	DATE	SIGNATURE	4		REPUBLIC OF THE PHIL	PPINES	
NED	9/2/02	E. H. SALIAN	7	DEPARTMEN		KS AND HIGHWAYS	
		-	PJKL ~ PMO	Bureau C	OF DESIGN	OFFICE OF TH	E SECRETARY
KED	7/4/02	akell	Submitted By:	Reviewed By:	Recommended By:	Recommended By: (See cover sheet for	Approved By: (See cover sheet for
ITED	9/4/0	M. KINGh	DANILO C. TRAJANO	ADRIANO M. DORGY	GILBERTO S. REYES	Signoture) MANUEL M. BONOAN	Signature/Approval) SIMEON A. DATUMANONG
	1/4/2	TEAM LEADER	Project Director	Chief, Bridges Division	Director IV (QIC)	Undersecretary	Secretary

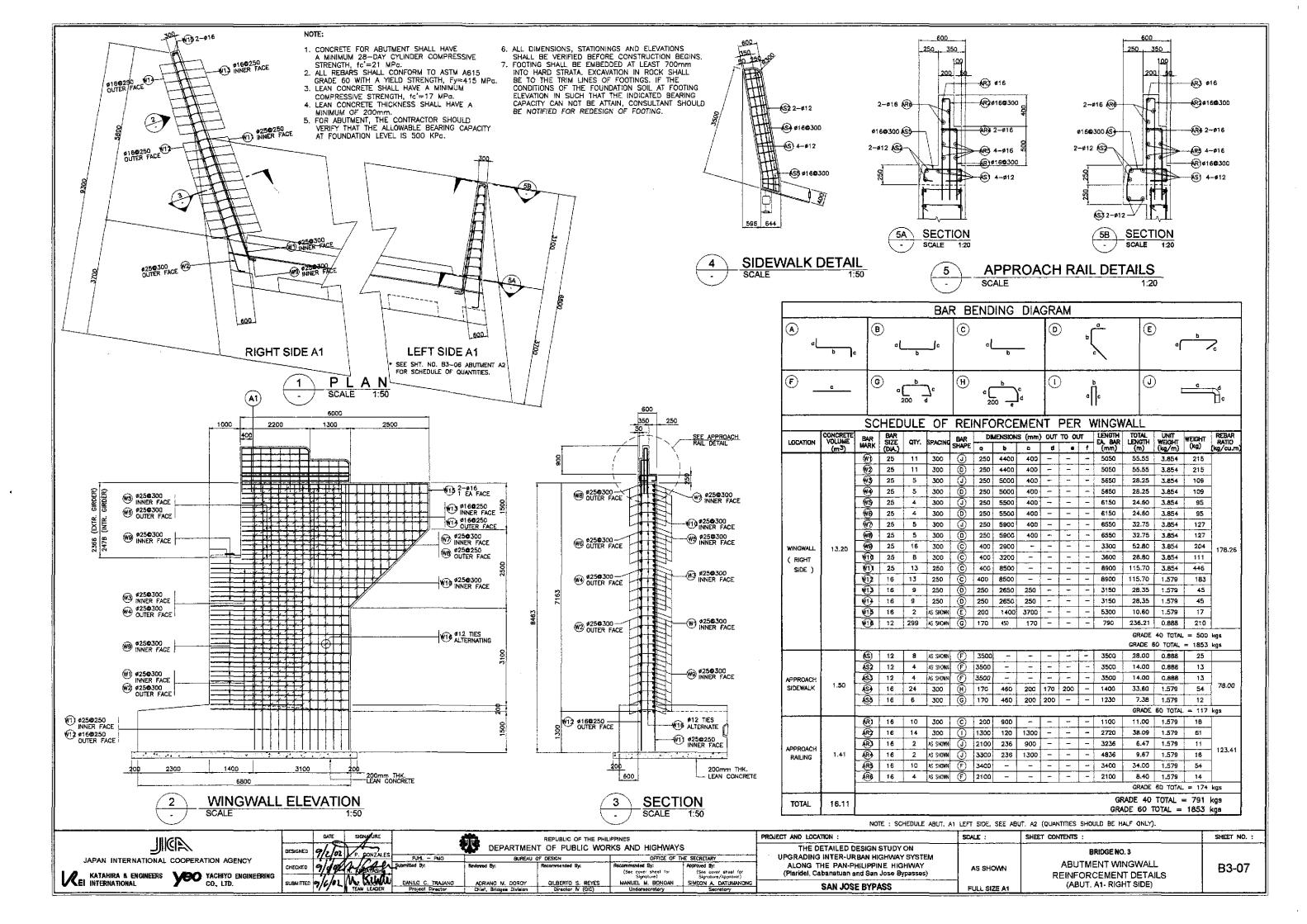
	PROJECT AND LOCATION :	SCALE :	SHEET CONTENTS :
	THE DETAILED DESIGN STUDY ON UPGRADING INTER-URBAN HIGHWAY SYSTEM ALONG THE PAN-PHILIPPINE HIGHWAY (Plaridel, Cabanatuan and San Jose Bypasses)	AS SHOWN	BRIDGE NO.3 CONCRETE POURING SEQUENCE AND DIAPHRAGM DEATILS
_	SAN JOSE BYPASS	FULL SIZE A1	(INITIAL STAGE)

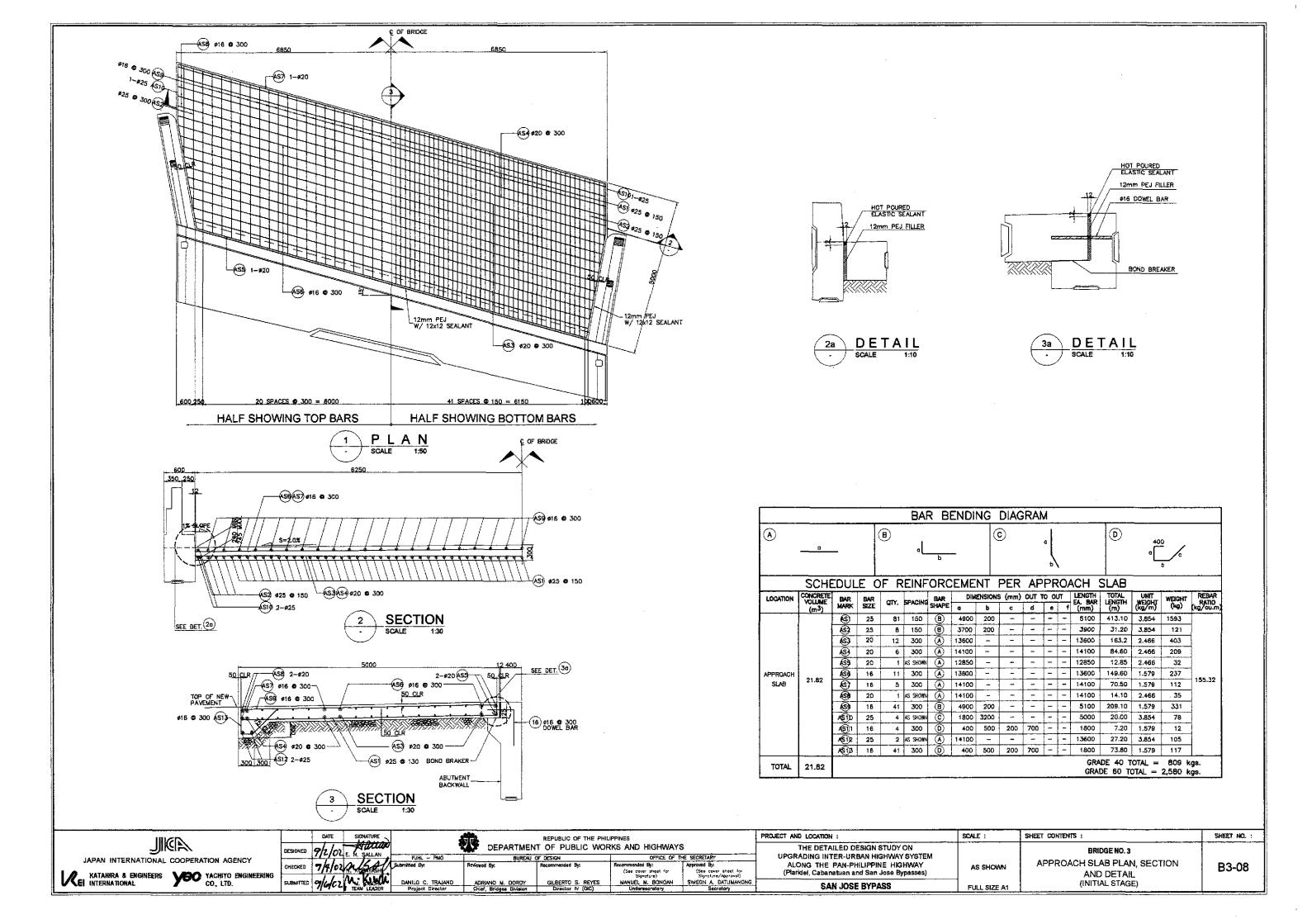
SHEET NO. :

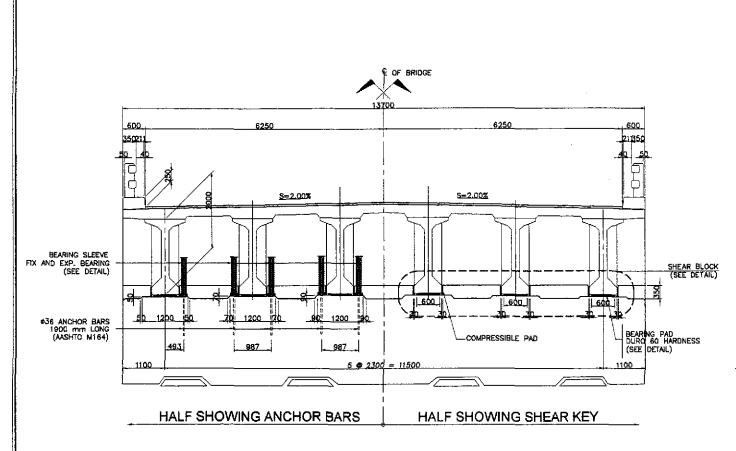
B3-04



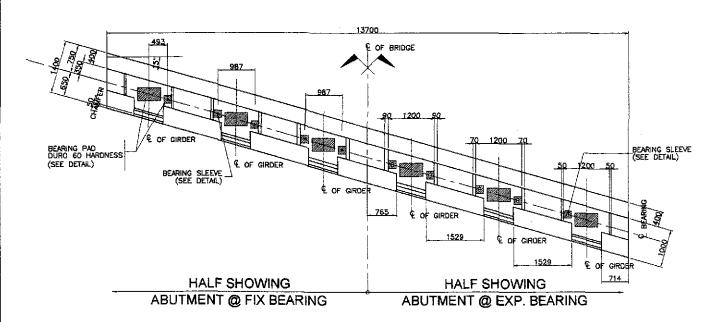




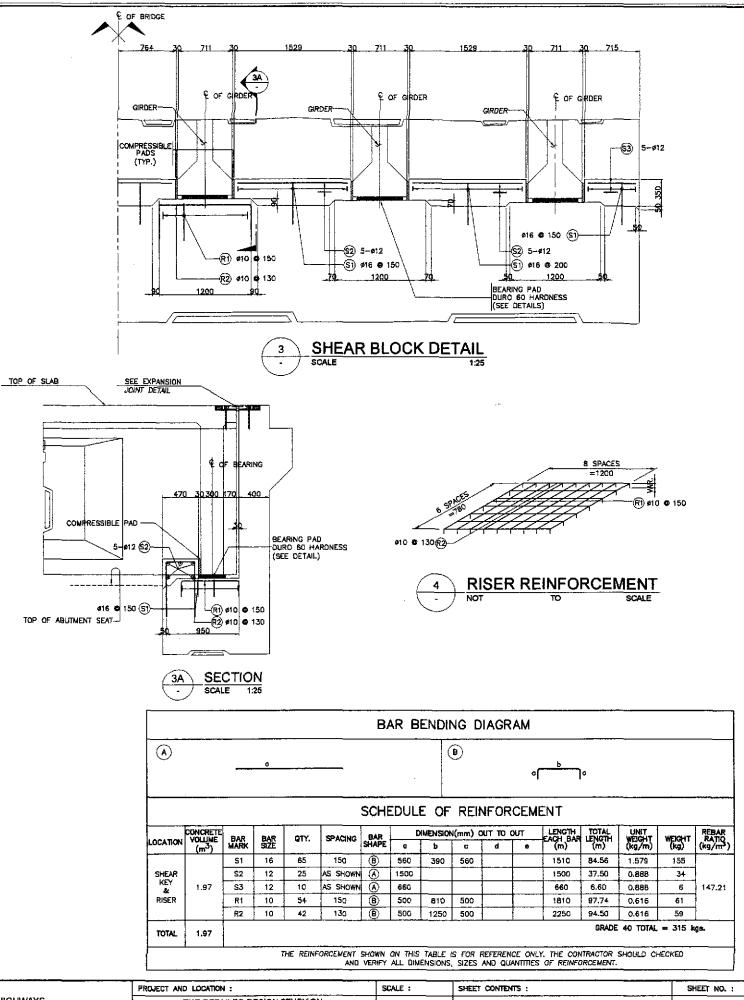








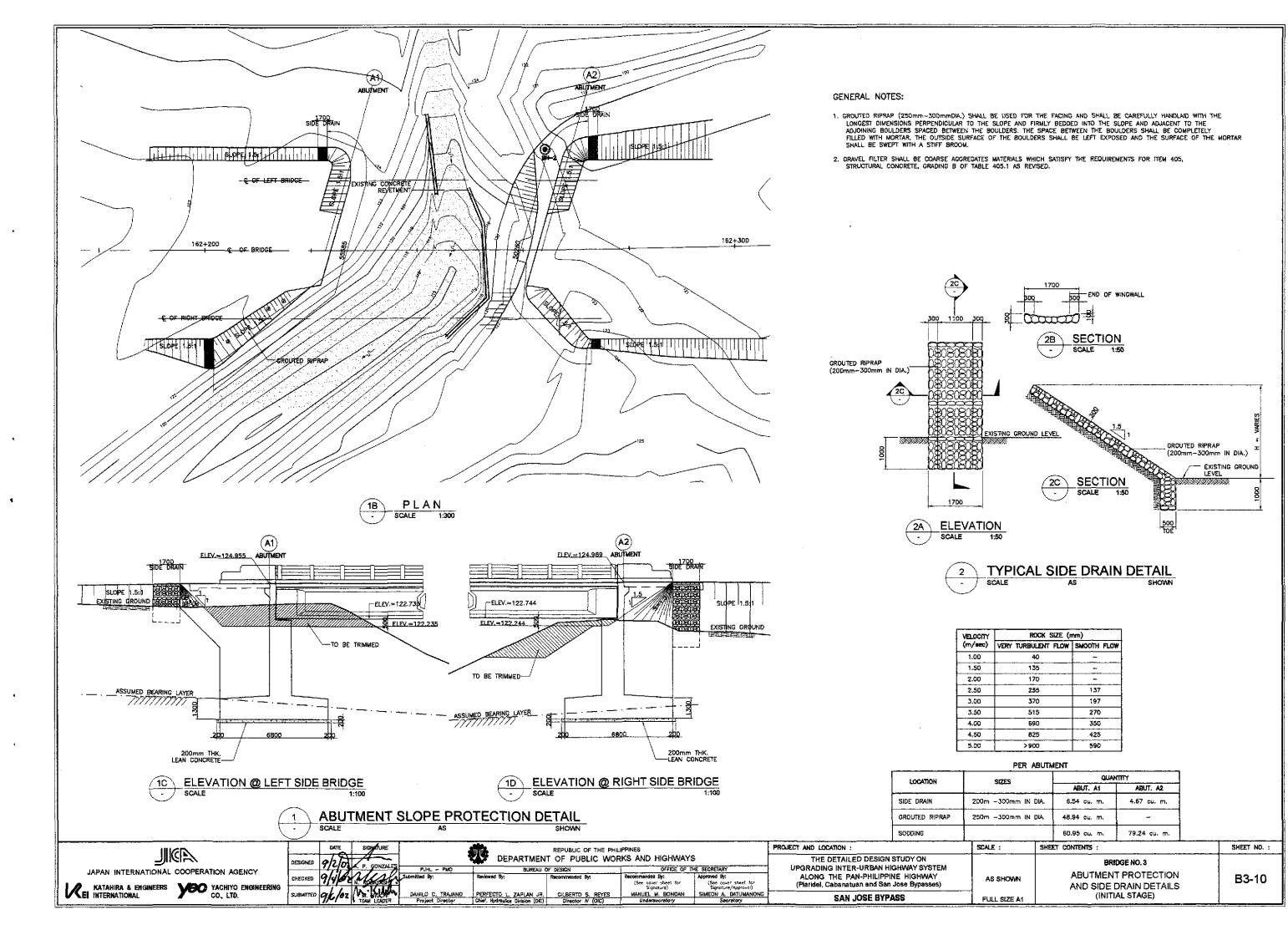


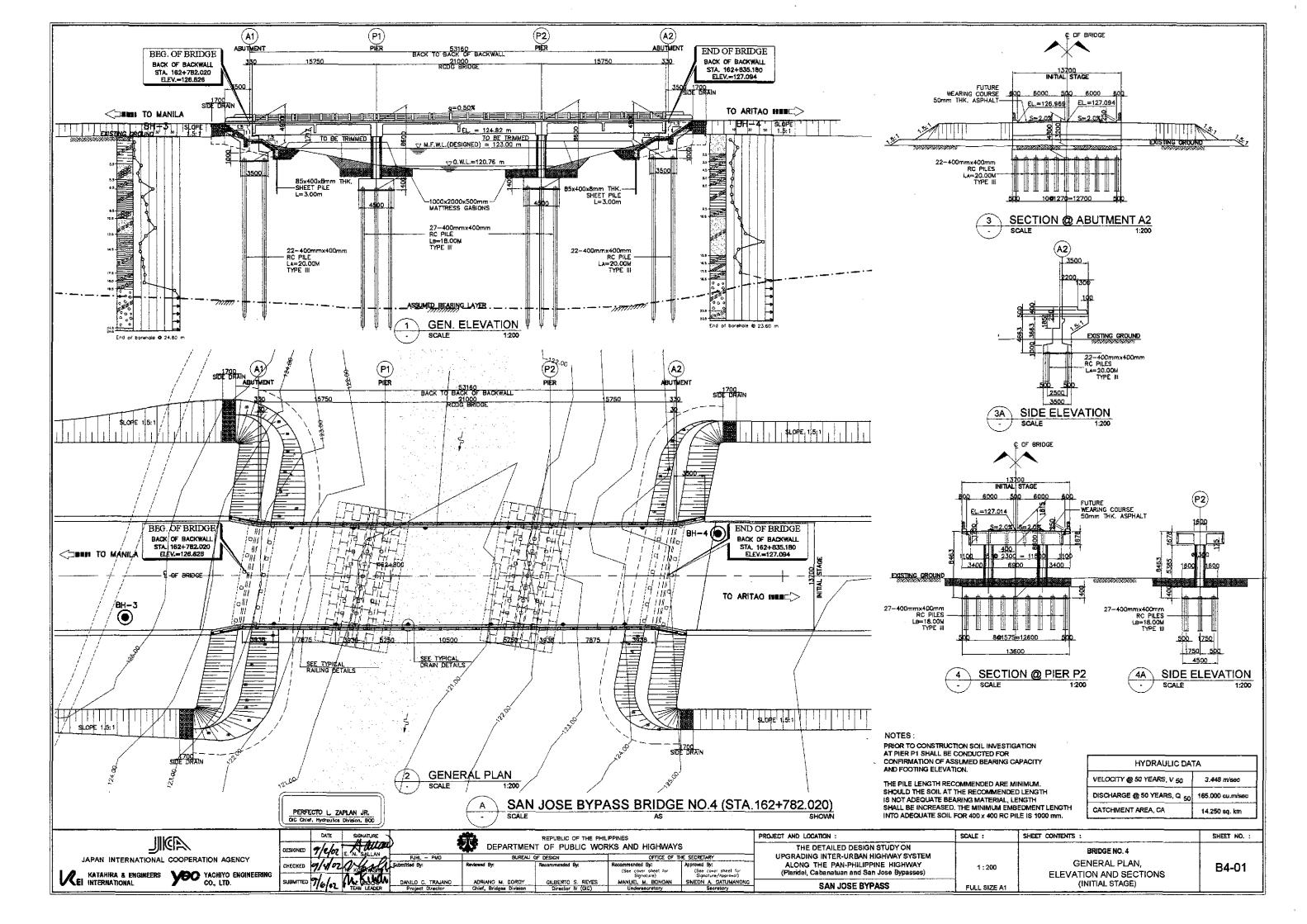


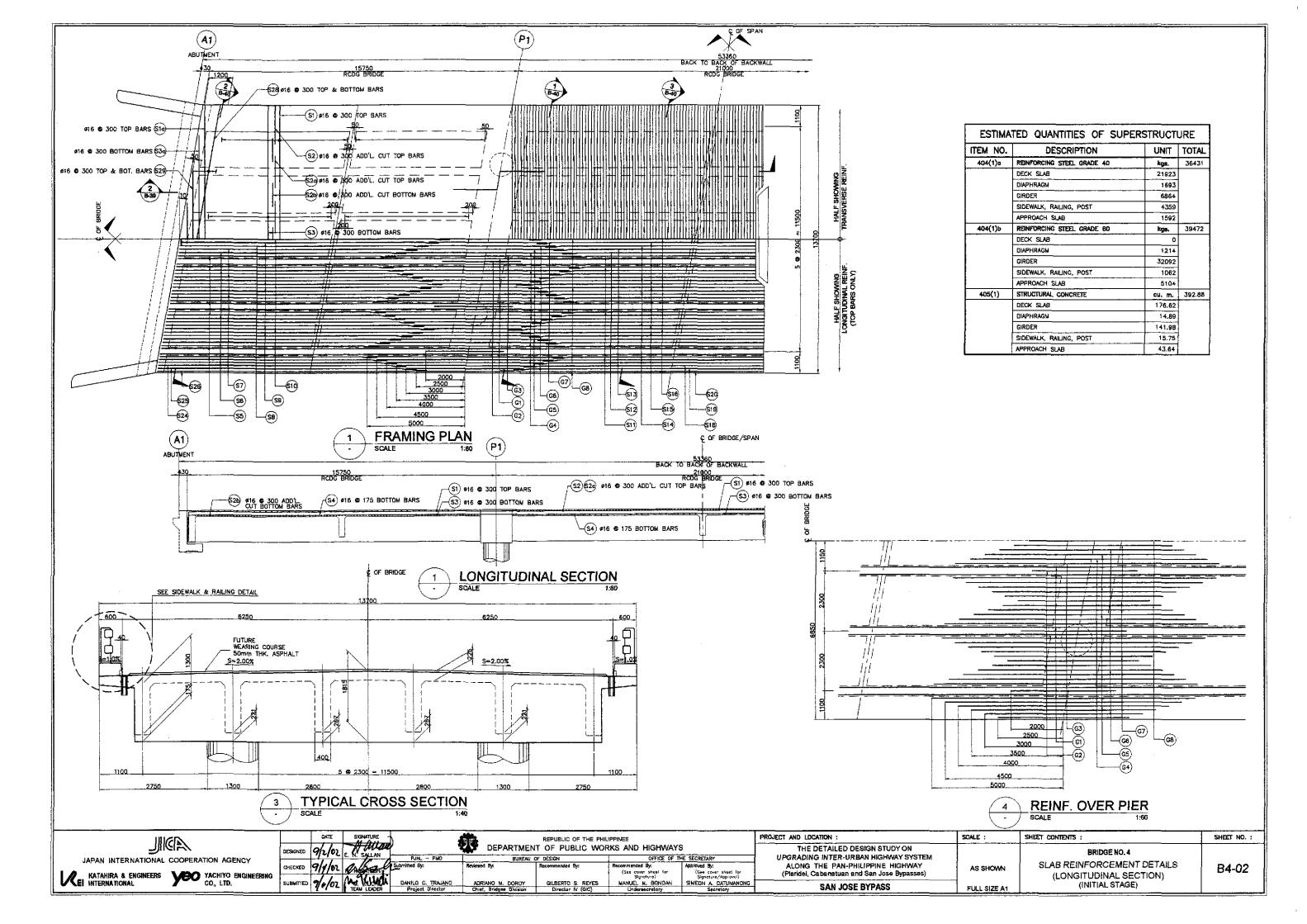


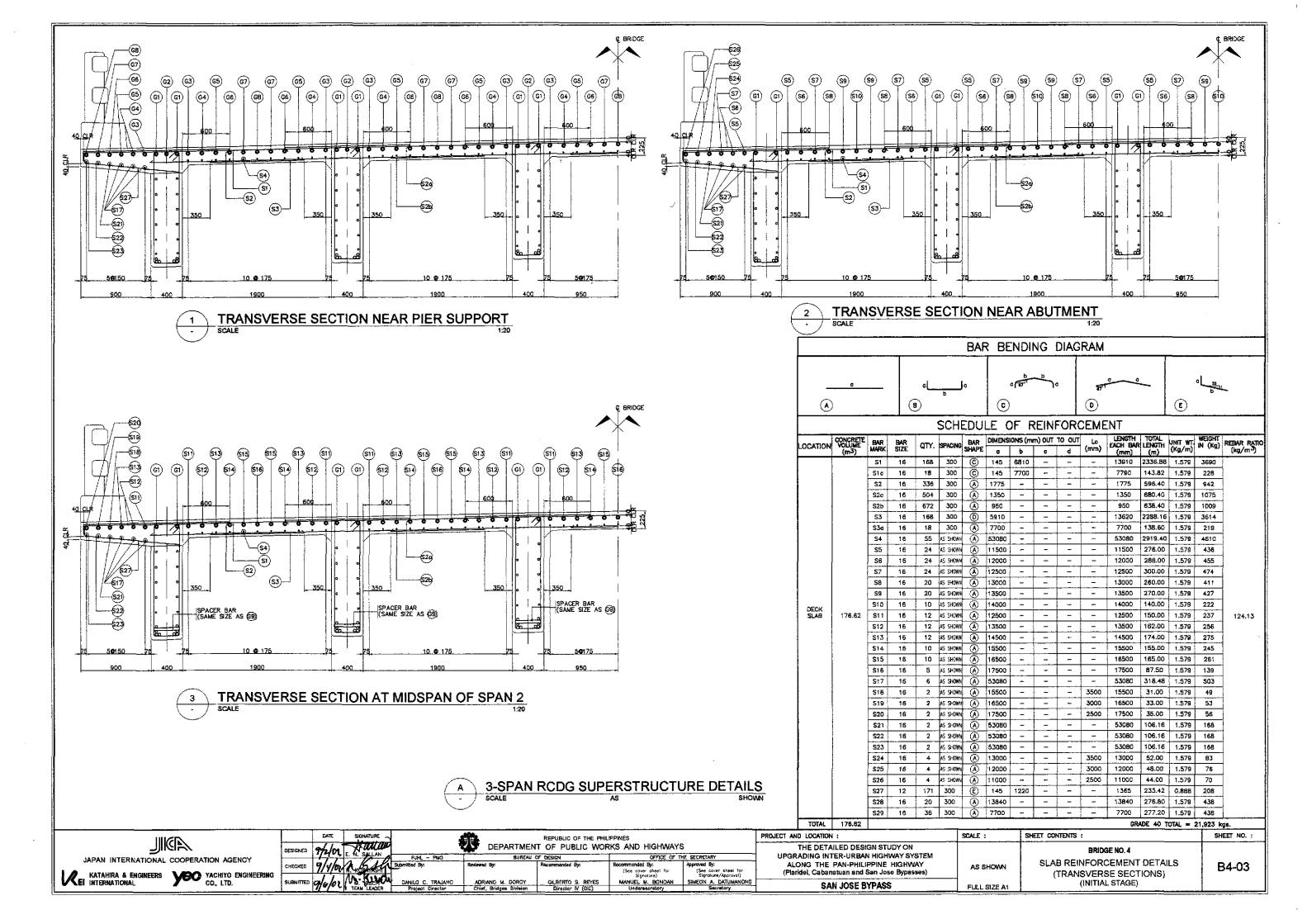
		DATE	SIGNATURE			REPUBLIC OF THE PHIL	IPPINES	
	DESIGNED	9/2/0	Hawai	ą.	DEPARTMEN		RKS AND HIGHWAYS	;
		1/2/02	E. N. SALLAN	PJHL - FMO	BUREAU (OF DESIGN	OFFICE OF TH	E SECRETARY
	CHECKED	aldn	noca.	-Submitted By:	Reviewed By:	Recommended By:	Recommended By:	Approved By:
		77 1100	M. KOBAYASHII				(See cover sheet for Signature)	(See cover sheet for Signature/Approval)
	SUBNITTED	9/4/07	\\\ \ #• \$\F##\#\	DANILO C. TRAJANO	ADRIANO M. DOROY	GILBERTO S. REYES	MANUEL M. BONDAN	SIMEON A. DATUMANONG
		11-100	TEAN LEADER	Project Director	Chief, Bridges Division	Director IV (QIC)	Undersecretory	Secretory
-								

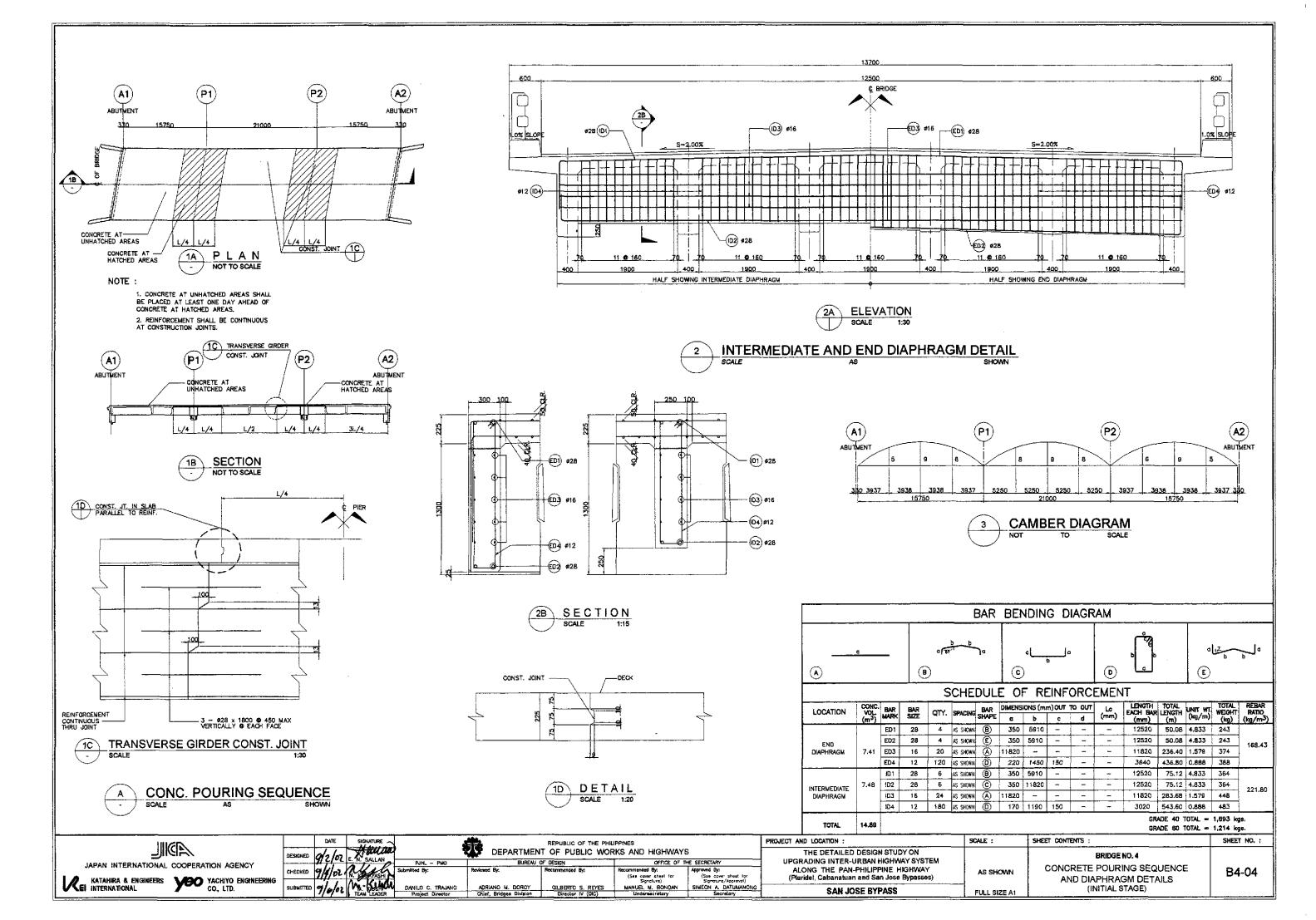
ECT AND LOCATION :	SCALE :	SHEET CONTENTS :	SHEET NO. :
THE DETAILED DESIGN STUDY ON UPGRADING INTER-URBAN HIGHWAY SYSTEM ALONG THE PAN-PHILIPPINE HIGHWAY (Plaridel, Cabanatuan and San Jose Bypasses)	AS SHOWN	BRIDGE NO. 3 SHEAR KEY AND RISER DETAILS AT ABUTMENT	B3-09
SAN JOSE BYPASS	FULL SIZE A1	(INITIAL STAGE)	

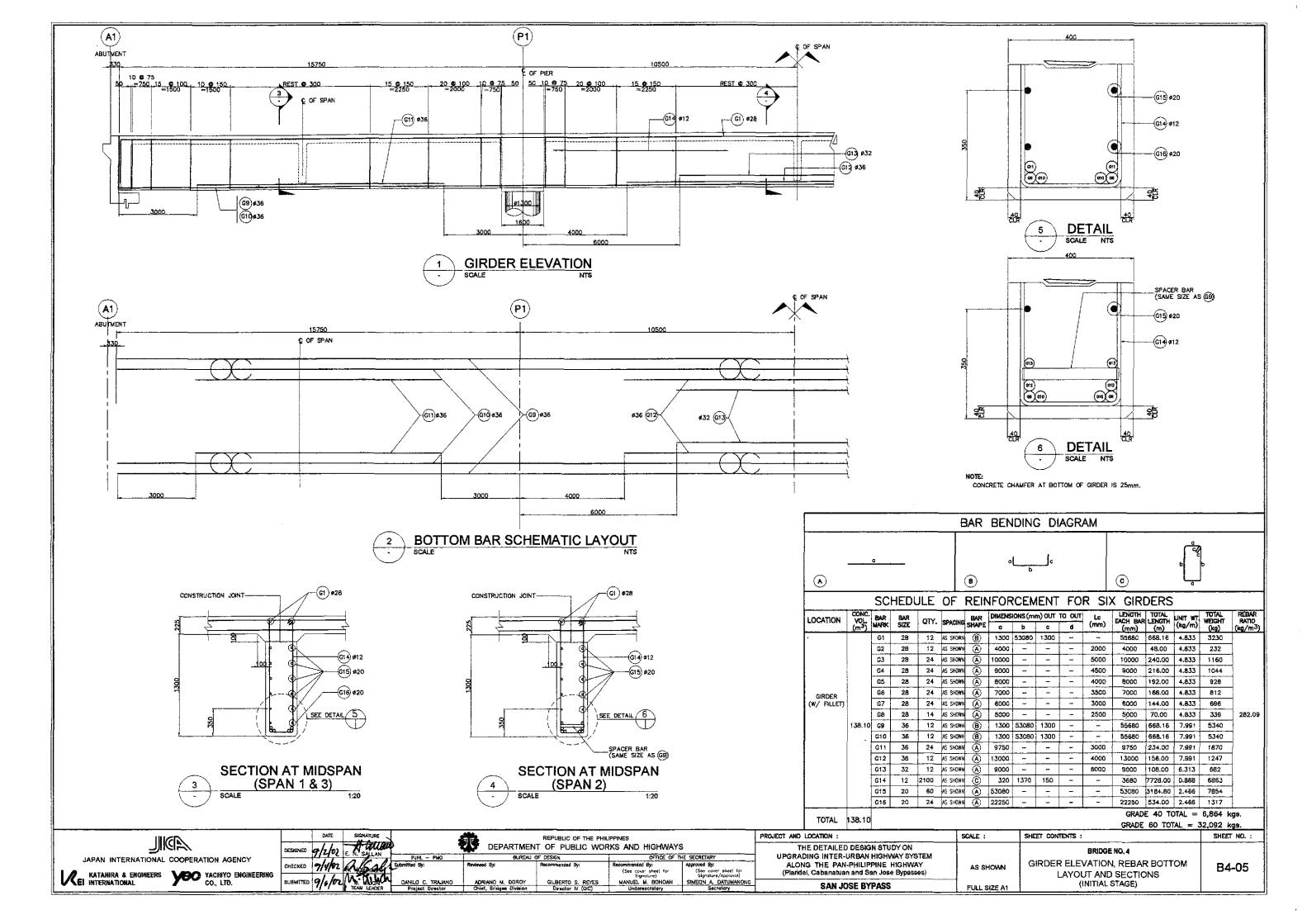


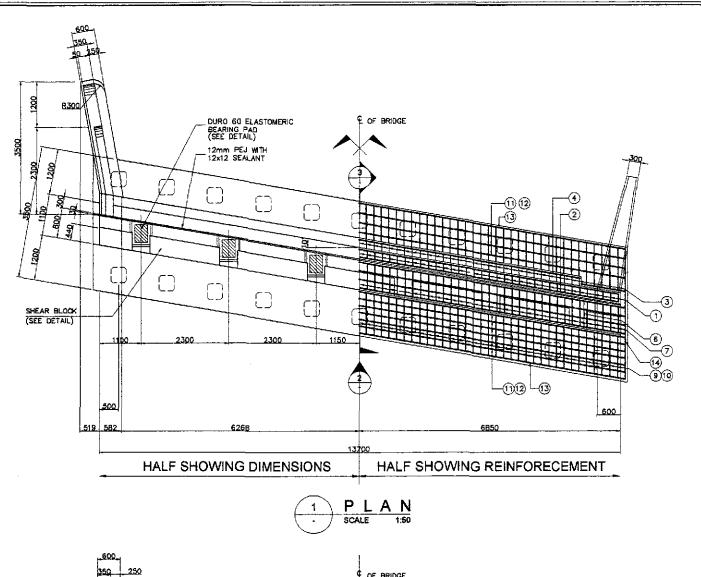


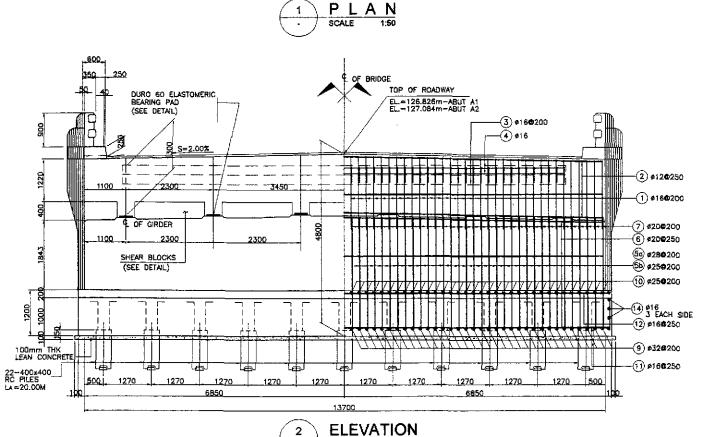




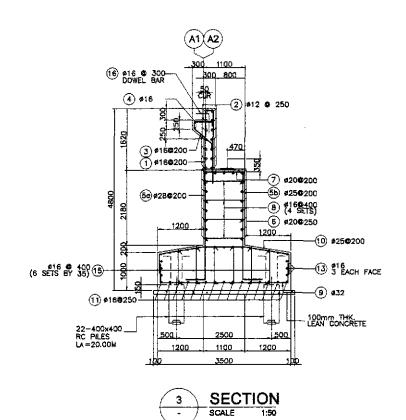


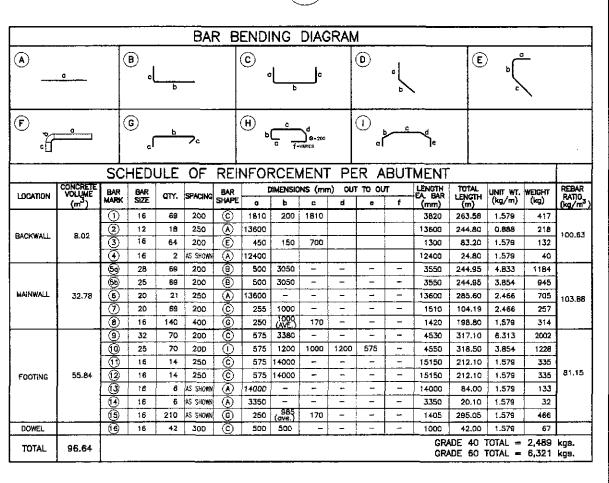






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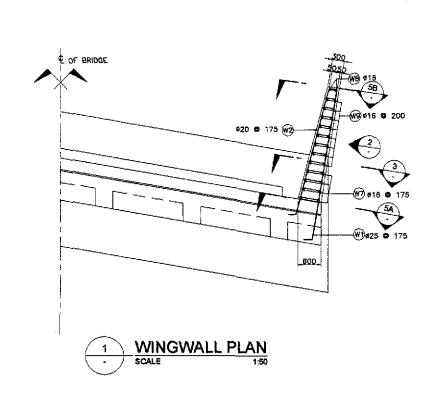


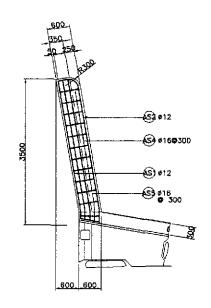




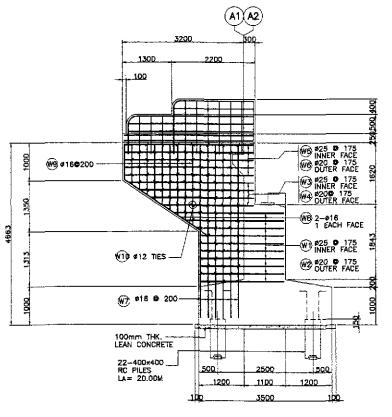
	DATE	SIGNATURE	4		REPUBLIC OF THE PHIL	PPINES	
DESIGNED	9/2/02	A F. GONZALES	8			RKS AND HIGHWAYS	
	• • •	1. 11 A	PJHL - PNG	BUREAU (JF DESIGN	OFFICE OF TH	E SECRETARY
CHECKED	C3 / 1 / 107/	MIN IC MIN	Submitted By:	Reviewed By:	Recommended By:	Recommended By:	Approved By:
011201125	7/9/04	ALKONATISM Y			_	(See cover sheet for	(See cover shael for
	17	M. MILAL				Signature)	Signature/Approval)
SUBMITTED	9/4/17	A SINCH	DANILO C. TRAJANO	ADRIANO M. DORGY	GILBERTO S. REYES	MANUEL M. BONOAN	SIMEON A. DATUMANONG
1	11-100	TEAM LEADER	Project Director	Chief, Bridges Division	Director IV (QIC)	Undersecretory	Secretary

	PROJECT AND LOCATION :	SCALE :	SHEET CONTENTS :	SHEET NO. :
	THE DETAILED DESIGN STUDY ON UPGRADING INTER-URBAN HIGHWAY SYSTEM ALONG THE PAN-PHILIPPINE HIGHWAY (Plaridel, Cabanatuan and San Jose Bypasses)	AS SHOWN	BRIDGE NO. 4 ABUTMENT MAINWALL REINFORCEMENT DETAIL	B4-06
-	SAN JOSE BYPASS	FULL SIZE At	(INITIAL STAGE)	



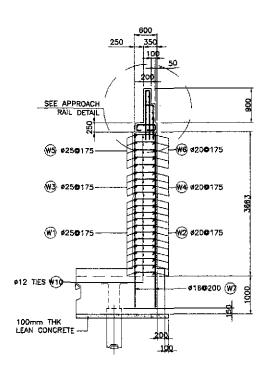






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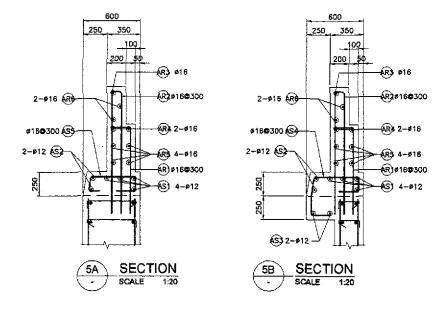
WINGWALL ELEVATION





TOTAL

9.99



5 APPROACH RAIL DETAILS
120

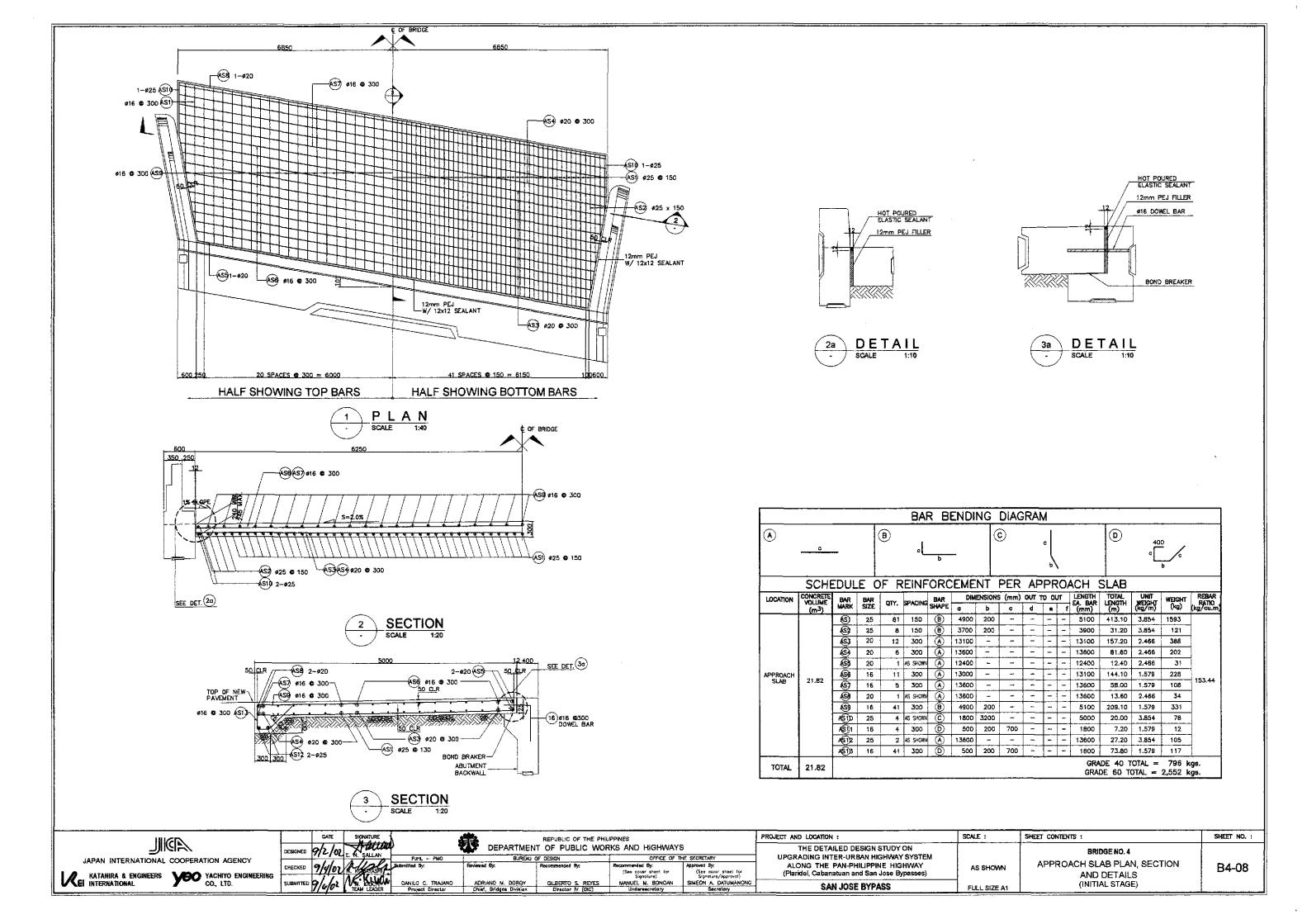
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(F)	<u>a</u>		H 200 f d			(1				<u>.</u>																			
SCHEDULE OF REINFORCEMENT PER												Вι	JTME	NT TV																
LOCATION	CONCRETE VOLUME (m ³)	BAR MARK	BAR SIZE	QTY.	SPACING	BAR SHAPE	D!	MENSION b	VS (mm) оит	TO 01	л	LENGTH EA. BAR (mm)	TOTAL LENGTH (m)	UNIT WT.	WEIGHT (kg)	REBAR RATIO (kg/m ³													
	(111-7	(w)	25	24	175	(C)	400	2300	-		-		2700	54.80	3.854	250	LNG/ III-													
		<u>~</u>	20	24	175	©	400	2300	-	_	-	_	2700	64,80	2.466	160														
		(v3)	25	8	175	Õ	300	2615	-	_	-	-	2915	23.32	3.854	90														
		(V4)	20	8	175	©	300	2615	-	-	-	-	2915	23.32	2.466	5B														
	7.04	(MS)	25	12	175	©	300	3400	-		-	19. 0	3700	44.40	3.854	172	210.37													
		₩ 6	20	12	175	©	300	3400	-	_	-	-	3700	44.40	2.466	110														
WINGWALL		<u> </u>	16	28	200	©	250	4550	-	-	-	-	4800	134.40	1.579	213	-													
		₩B	16	4	AS SHOWN	0	950	2650	2650	_	-	-	3500	14.40	1.579	23														
		(49	16	3B	200	B	1500	250	-		-	-	3250	117.00	1.579	185														
	l	V ⊕	12	340	AS SHOWN	Ē	170	450	100	_	-	-	720	244.50	0.888	218]													
]											GRADE (O TOTAL	= 841														
			<u> </u>											GRADE 4	O TOTAL	= 640														
		(S)	12	8	AS SHOWN	Ē	3500	-	1		-	1	3500	28.00	0.888	25														
		(S)	12	4	as shown	<u> </u>	3500	-	-	_		_	3500	14.00	0.888	13														
APPROACH		_ <u>(S)</u>	12	4	AS SHOWN	⑤	3500	-	-		-	-	3500	14.00	0.888	13														
SIDEWALK	1.54	<u>(S)</u>	18	24	300	\oplus	170	460	200	170	200	_	1400	33.60	1.579	54	75.97													
		<u> 455</u>	18	5	300	©	170	460	200	200		_	1230	7.38	1.579	12														
			ļ			-								GRADE 4	O TOTAL	=117														
		<u>(R)</u>	16	10	300	©	200	900	-		-	-	1100	11.00	1.579	18	1													
		Æ2	16	14	300	<u> </u>	1300	120	1300		-	_	2720	38.09	1.579	61														
APPROACH RAILING		₩3	16	2	AS SHOWN	<u> </u>	2100	236	900		-	_	3236	6.47	1.579	11														
MALING	1.41	<u></u> R }	16	2	as shown	<u> </u>	3300	236	1300	<u></u>		-	4836	9.67	1.579	16	123.40													
, ONLING	1.41	104	16	10	AS SHOWN	(F)	3400	_	_	_		-	3400	34.00	1.579	79 54	1													
						-		-	-		F	-	-	F		AR5 ARB	16	4	AS SHOWN	F	2100		-		_	_	2100	B,40	1.579	14

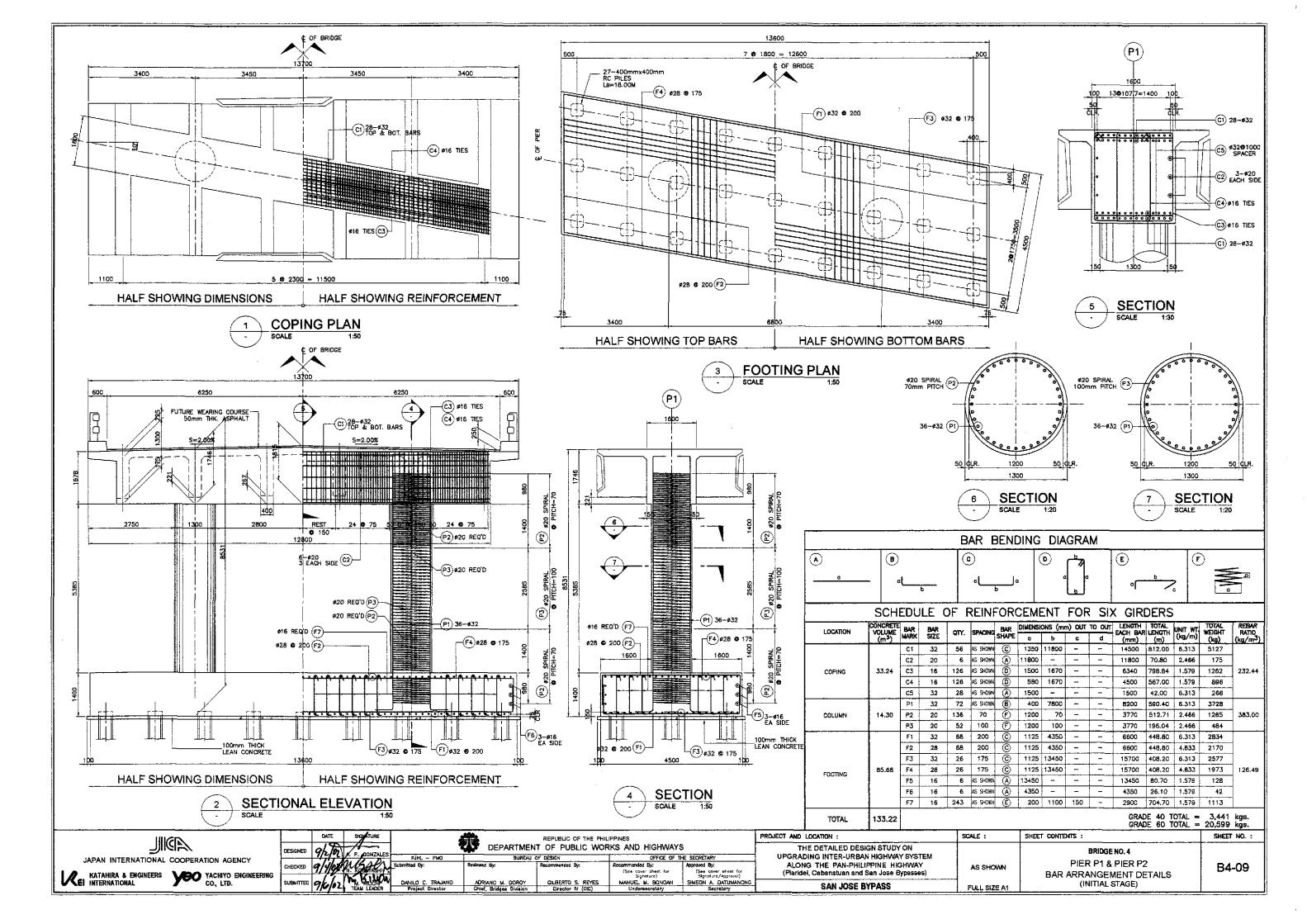


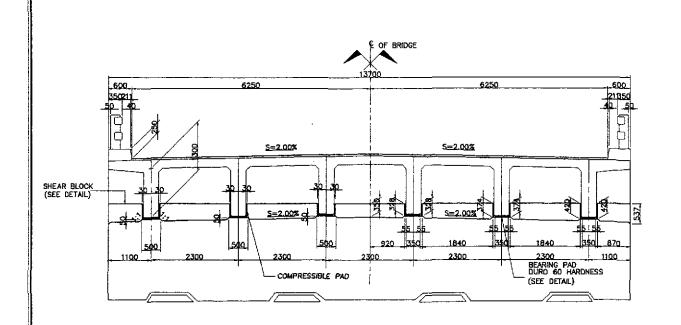
	DATE	SIGNATURE	á		REPUBLIC OF THE PHIL			
ESIGNED	9/2/02		7	DEPARTMEN	T OF PUBLIC WOR	KS AND HIGHWAYS	5	
	17 5702	A P. CONZALES	PJHL - PMO	BUREAU C	OFFICE OF TH	OFFICE OF THE SECRETARY		
CHECKED	a lista	MIL ILL	Şubmitted By:	Reviewed By:	Reconstruenced By:	Recommended By:	Approved By:	
	7/7/90	N. KORANGSHIT	٢			(See cover sheet for Signature)	(See cover sheet for Signature/Approval)	
HISHITTEN	allen.	i /wi-ikusaca	DANILO C. TRAJANO	ADRIANO M. DDROY	GILBERTO S. REYES	MANUEL M. BONDAN	SIMEON A DATUMANONO	
JOHN STED	7/906	TEAM LEADER	Project Director	Chief, Bridges Division	Director N (OIC)	Undersecretory	Secretory	
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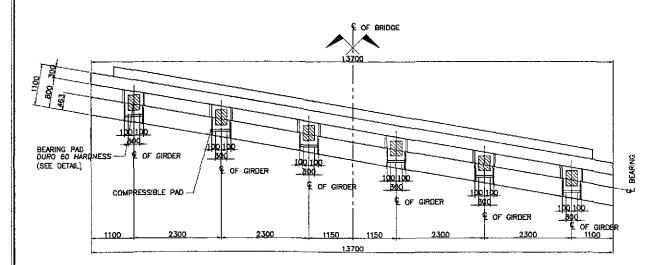
	PROJECT AND LOCATION:	SCALE :	SHEET CONTENTS :	SHEET NO. :
r	THE DETAILED DESIGN STUDY ON UPGRADING INTER-URBAN HIGHWAY SYSTEM ALONG THE PAN-PHILIPPINE HIGHWAY (Plaridel, Cabanatuan and San Jose Bypasses) SAN JOSE BYPASS	AS SHOWN	BRIDGE NO. 4 ABUTMENT WINGWALL REINFORCEMENT DETAIL (INITIAL STAGE)	B4-07

GRADE 60 TOTAL = 840 kgs. GRADE 40 TOTAL = 929 kgs.



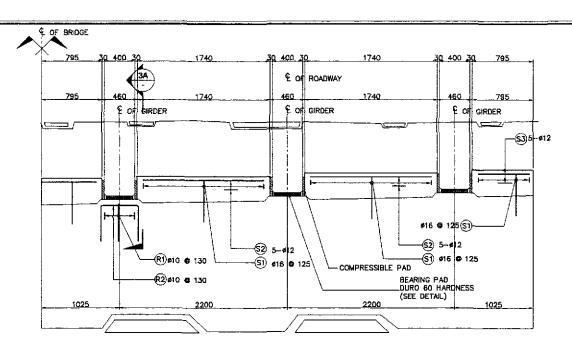






SECTION AT ABUTMENT SEAT

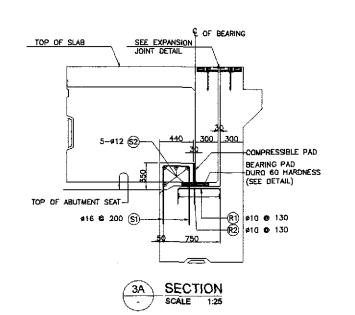
PLAN AT ABUTMENT SEAT

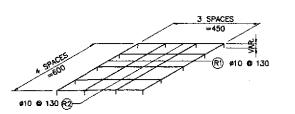


SHEAR BLOCK DETAIL

R2 10 30 130

TOTAL 0.83





RISER REINFORCEMENT

1600 48.00 0.616

GRADE 40 TOTAL - 329 Kgs

	BAR BENDING DIAGRAM															
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						S	CHED	ULE	OF F	EINF	ORC	EMENT	·		-	
	CONCRETE VOLUME	BAR	RAP	l	ŀ	BAR	ם	MENSION	(mm) 0	UT TO	TUC	LENGTH EA, BAR	TOTAL LENGTH	WEIGHT	WEIGHT	REBAR
LOCATION	(m ³)	MARK	BAR SIZE	QTY.	SPACING	BAR SHAPE	a	Ь	c	đ	•	(mm)	(m)	(kg/m)	(kg)	REBAR RATIO (kg/m³)
		S1	16	96	125	0	560	390	560			1510	144.96	1,579	229	
SHEAR		S2	12	25	AS SHOWN	A	1760				\Box	1760	44.GD	0.888	40	1
KEY	0,83	S3	12	10	AS SHOWN	A	790					790	7.90	0.888	8	198.80
RISER		R1	10	24	130	(C)	500	450	500		T	1450	34.80	0.616	22	1

© 500 500 500

THE REINFORCEMENT SHOWN ON THIS TABLE IS FOR REFERENCE ONLY. THE CONTRACTOR SHOULD CHECKED AND VERIFY ALL DIMENSIONS, SIZES AND QUANTITIES OF REINFORCEMENT.

JAPAN INTERNATIONAL COOPERATION AGENCY KATAHIRA & ENGINEERS YACHIYO ENGINEERING CO., LTD.

REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS OFFICE OF THE SECRETARY SECRETON.

pproved By:
(See cover sheel for Signature/Approval)

SIMEUN A. DATUMANONG
Secretory MANUEL M. BONDAN

SCALE : SHEET CONTENTS : SHEET NO. : PROJECT AND LOCATION: THE DETAILED DESIGN STUDY ON BRIDGE NO. 4 UPGRADING INTER-URBAN HIGHWAY SYSTEM SHEAR KEY AND RISER ALONG THE PAN-PHILIPPINE HIGHWAY (Planidel, Cabanatuan and San Jose Bypasses) B4-10 AS SHOWN DETAILS AT ABUTMENT (INITIAL STAGE) SAN JOSE BYPASS

