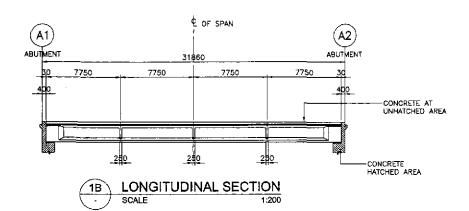
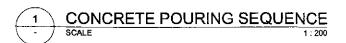


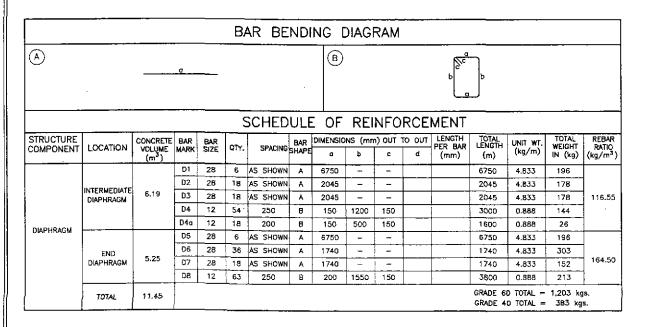
PLAN SCALE 1:200

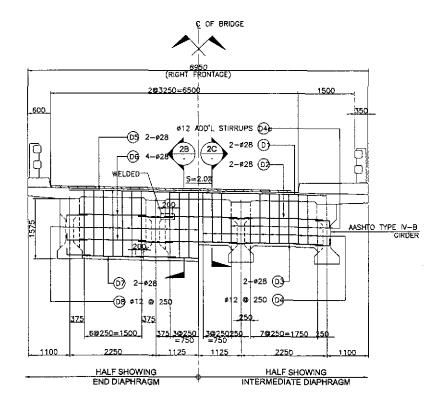
NOTES:

- CONCRETE AT HATCHED AREAS SHALL
 BE PLACED AT LEAST TWENTY ONE (21) DAYS AHEAD OF CONCRETE AT UNHATCHED AREAS.
- SEE GIRDER DETAIL FOR SPACING OF Ø28 DOWELS.

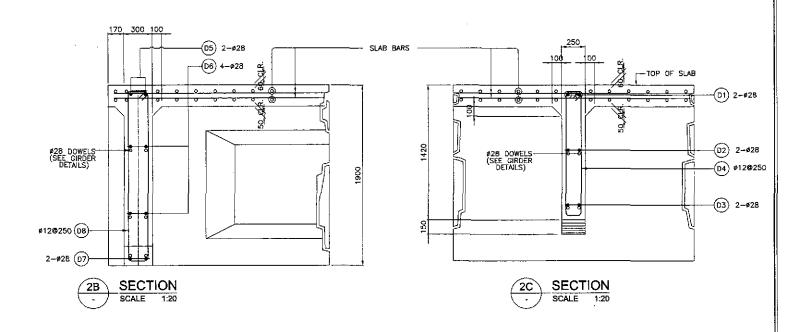












DETAIL OF END & INTERMEDIATE DIAPHRAGM

NOTE:

FOR LEFT FRONTAGE -- IT IS THE MIRROR IMAGE OF THE PLAN, ELEVATION OF RIGHT FRONTAGE.

PROJEC

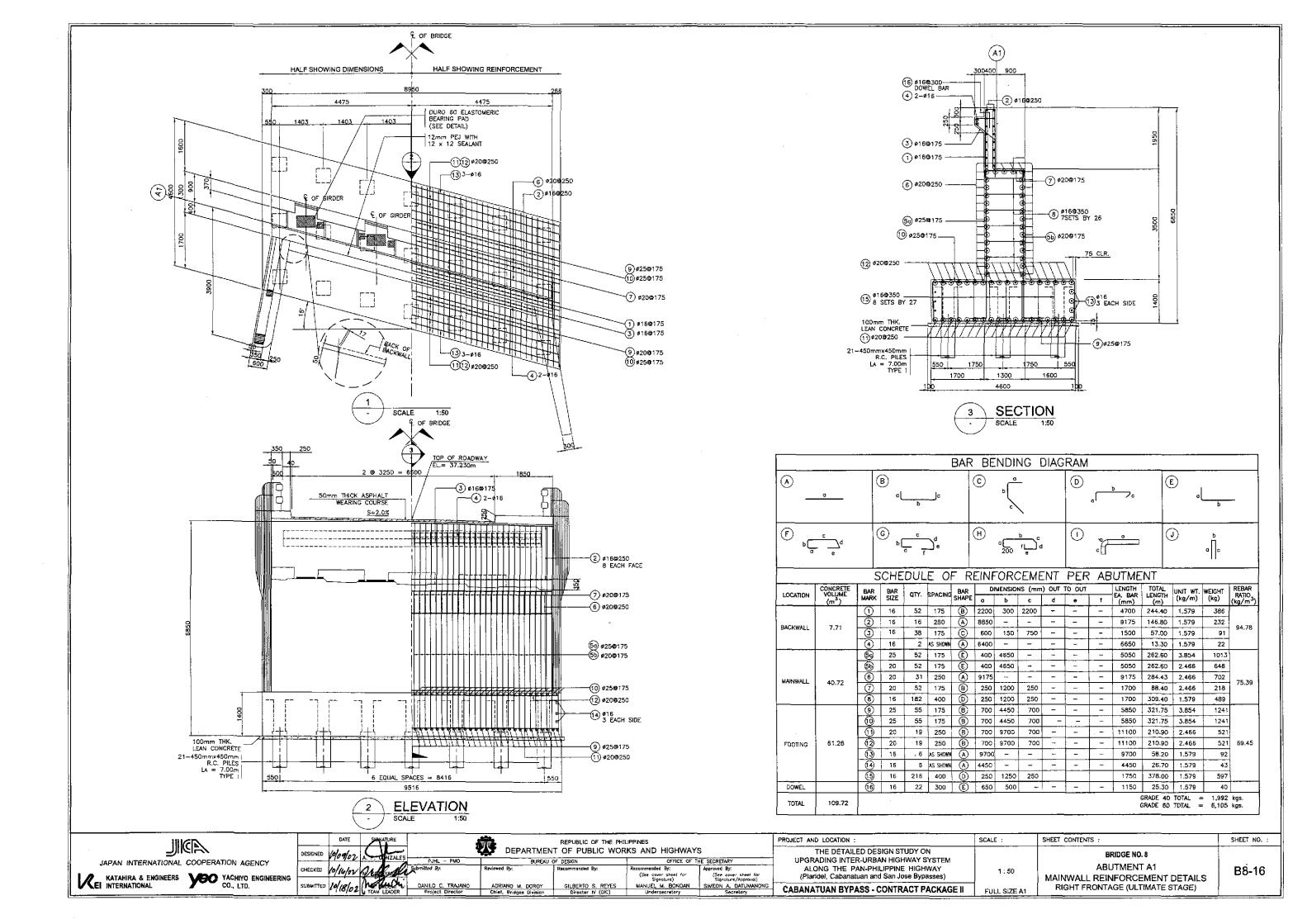
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JAPAN INTERNATIONAL	COOPERA	TION AG	ENCY
KATAHIRA & ENGINEERS INTERNATIONAL	yec	YACHIYO CO., LTD.	ENGINEERIN

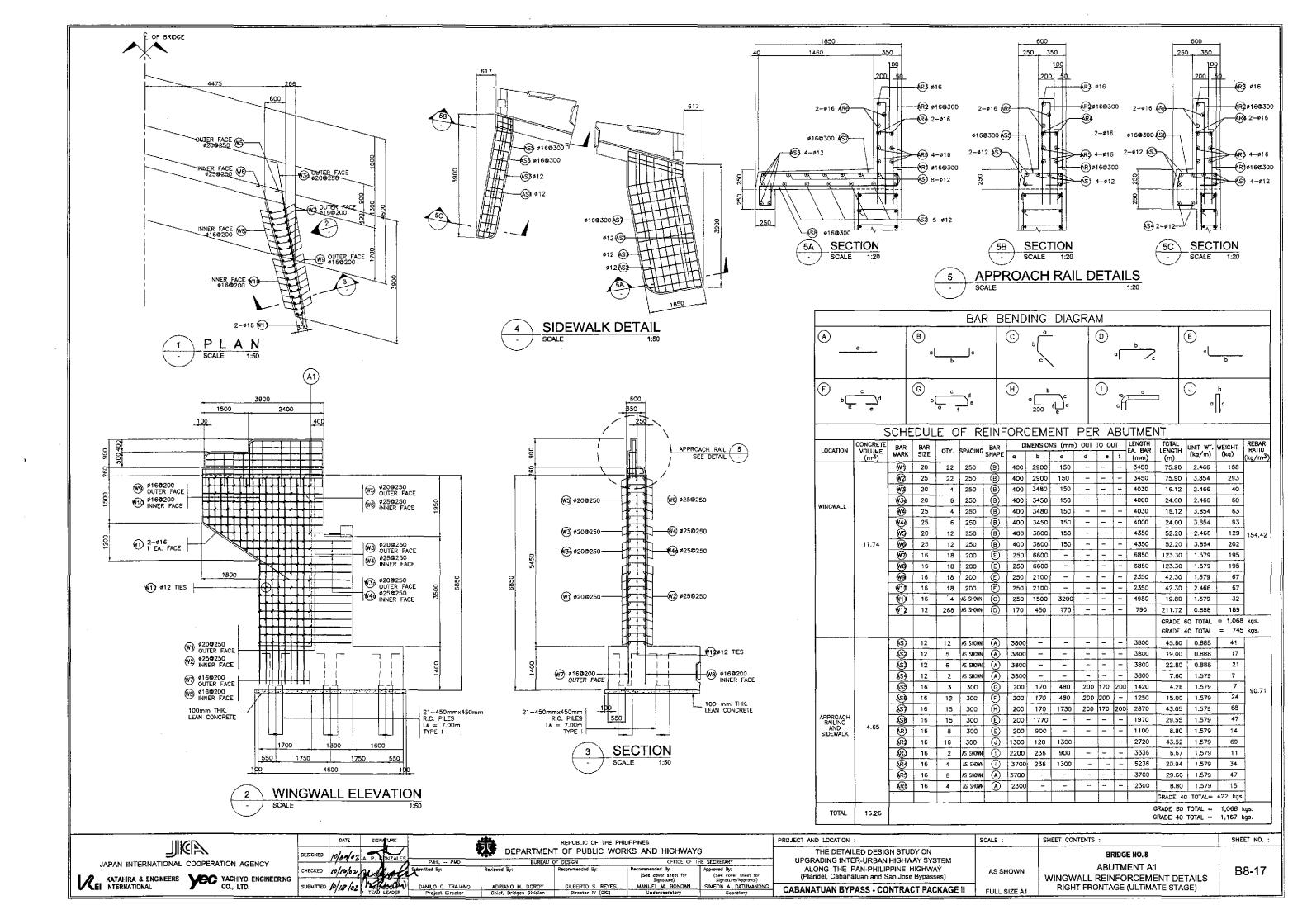
	DATE	SIGNATURE			REPUBLIC OF THE PHIL	IPPINES		
ESIGNED	Coloalos.	Jacque		DEPARTMEN	T OF PUBLIC WOR	KS AND HIGHWAYS	3	
	A. MAD	E. TV. SALLAN	PJHL — PMD	BUREAU C	IF DESIGN	OFFICE OF THE SECRETARY		
CHECKED	6/16/0W	2111111	Submitted By:	Reviewed By:	Recommended By:	Recommended By:	Approved By:	
	7****					(See cover sheel for Signature)	(See cover sheet for Signoture/Approval)	
UBMITTED	10/19/01	(Markanchu)	DANILO C. TRAJANO	ADRIANO M. DOROY	GILBERTO S. REYES	MANUEL M. BONDAN	SIMEON A. DATUMANONG	
	0.110102	TEAM LEADER	Project Director	Chief, Bridges Division	Director IV (OIC)	Undersecretory	Secretary	

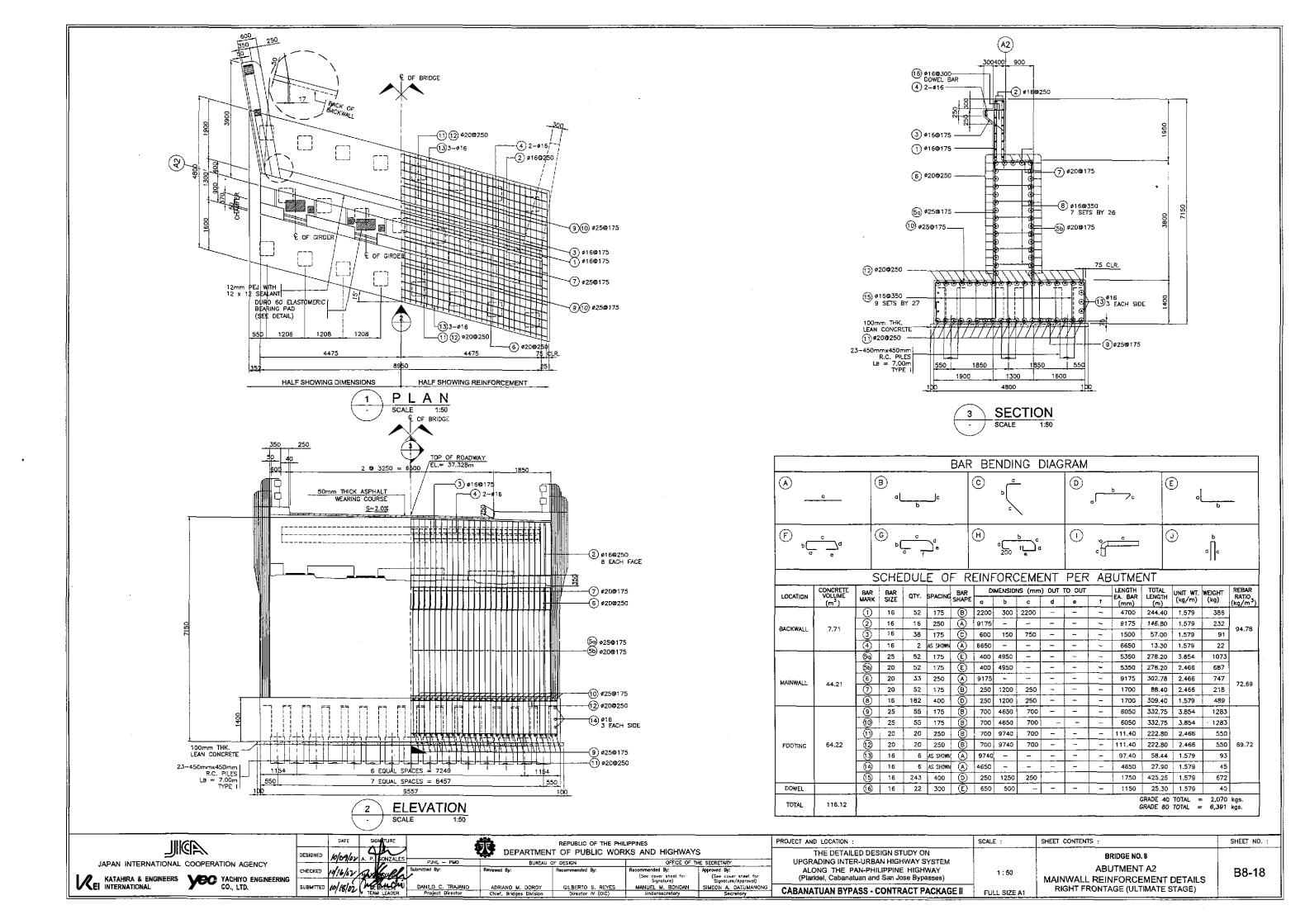
PROJECT AND LOCATION :	SCALE :	SHEET CONTENTS :
THE DETAILED DESIGN STUDY ON UPGRADING INTER-URBAN HIGHWAY SYSTEM		BRIDGE NO. 8
ALONG THE PAN-PHILIPPINE HIGHWAY (Plaridel, Cabanatuan and San Jose Bypasses)	AS SHOWN	CONCRETE POURING SEQUENCE AND DIAPHRAGM DETAILS
CABANATUAN BYPASS - CONTRACT PACKAGE II	FULL SIZE A1	RIGHT & LEFT FRONTAGE (ULTIMATE STAGE)

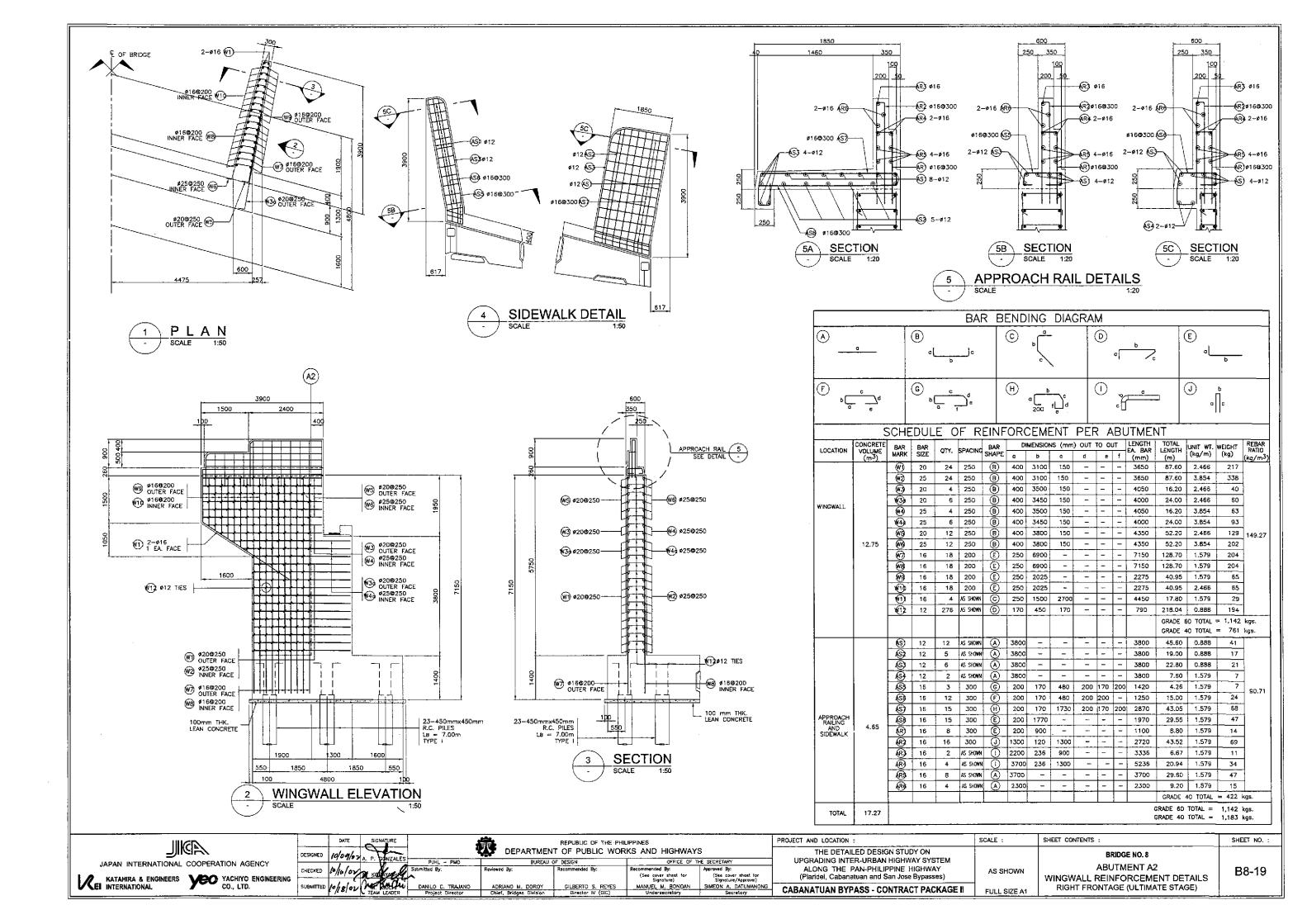
SHEET NO. :

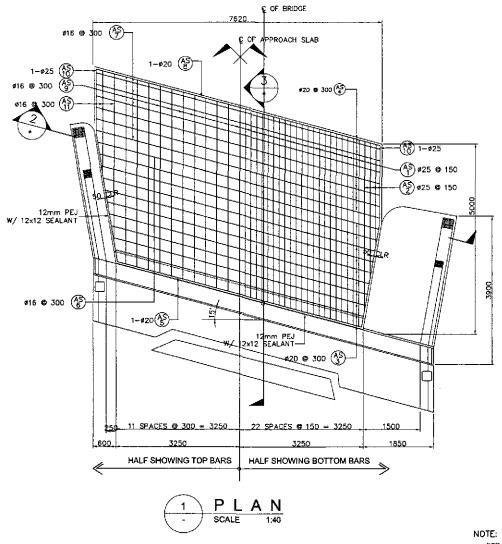
B8-15









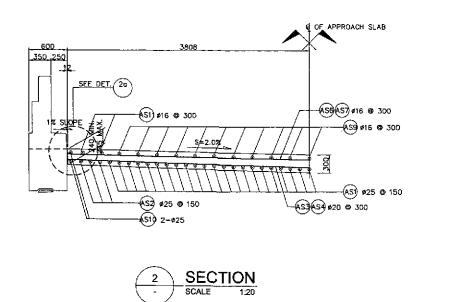


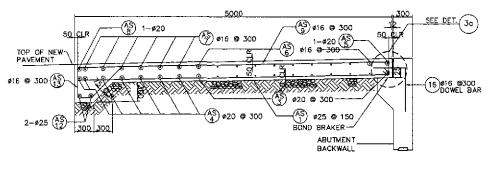
NOTE:

FOR LEFT FRONTAGE — IT IS THE

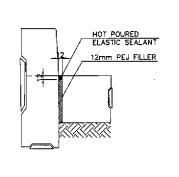
MIRROR IMAGE OF THE SECTION,

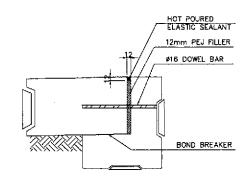
PLAN OF RIGHT FRONTAGE.







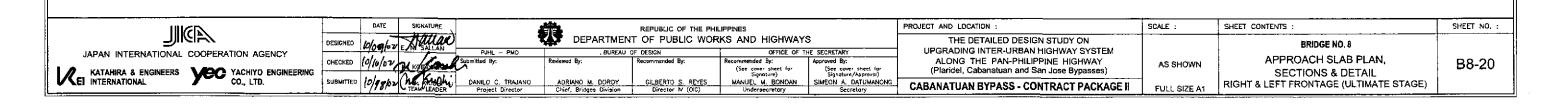


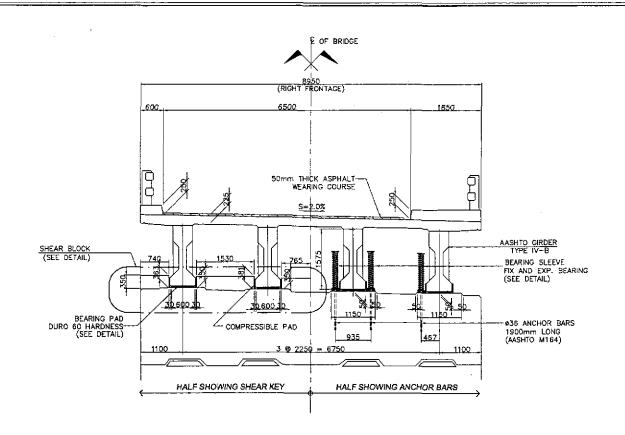




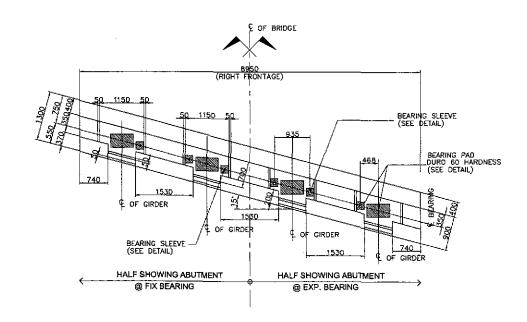


						ВА	R B	END	NG	DIA	GR	A١	1					
A	0	- .	(© .						(b) b c d								
		S	CHE	DULE	OF	RE	INFO	RCE	MEN	IŢ F	PEI	₹		OACH		В		
LOCATION	CONCRETE VOLUME (m3)	BAR MARK	BAR SIZE	QTY.	SPACING	BAR SHAPE	DiM	ENSIONS 6	(mm)	OUT T	O 01	JT f	LENGTH EAL BAR (mm)	TOTAL LENGTH (m)	WEIGHT (kg/m)	WEIGHT (kg)	REBAR RATIO (kg/cu.m	
	11.95	(8)	25	48	150	B	4900	200	-	-	-	-	5100	234.60	3.854	905		
		(S)2	25	6	150	В	3600	200	-	-	-	-	3800	22.80	3.854	86]	
		鯯	20	11	300	A	7000	_		-	ì	-	7000	77.00	2,455	190]	
		Ƨ.	20	7	300	A	7600	-	-	-	-	-	7600	53.20	2.466	132	165.96	
		(S)	20	ļ	as shown		6500				-	<u> -</u>	6500	6.50	2.466	17		
APPROACH		(S)	16	10	300	(A)	7050			_	-	_	7050	70.50	1.579	112		
SLAB		(S)	16	6	300	(A)	7600				~		7600	45.60	1.579	73		
		(8)	20	 	AS SHOWN	\sim	7600	-				_	7600_	7.60	2.466	19	-	
			9	16	26	300	B ©	4900	200		-	-	_	5100	132.60	1.579	210	-
			A ⑤00 A ⑤01	25 15	2	AS SHOWN		2000 3450	3100 200	-	-	_	-	5100 3650	20.40	3.854 1.579	79 24	{
		AS1)2	25	₩-	AS SHOWN	(B)	7790	200		_	-	-	7790	15.58	3.854	61 61		
		A(S))3	16	38	300	0	400	500	200	700	-	-	1800	46.80	1.579	74		
TOTAL	11.95			1		J					1		,		40 TOTAL 60 TOTAL		-	





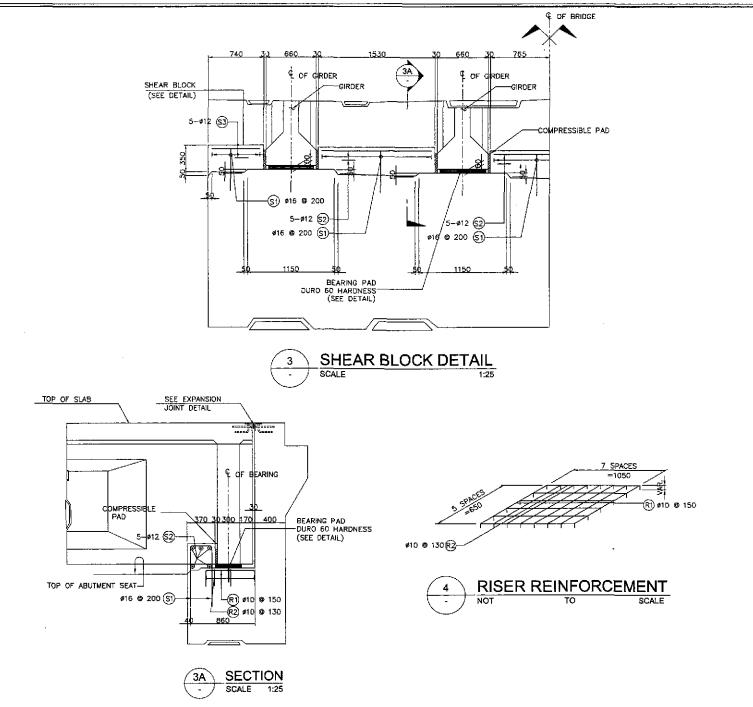
SECTION AT ABUTMENT SEAT 1:50

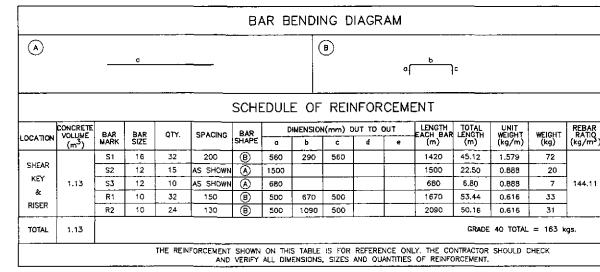


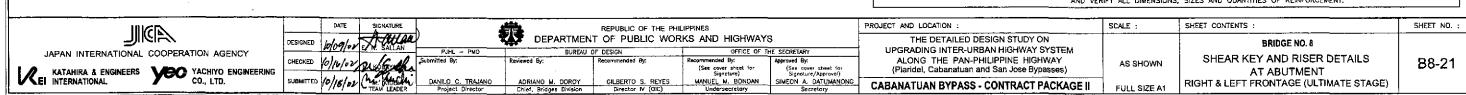
PLAN AT ABUTMENT SEAT
SCALE 1:50

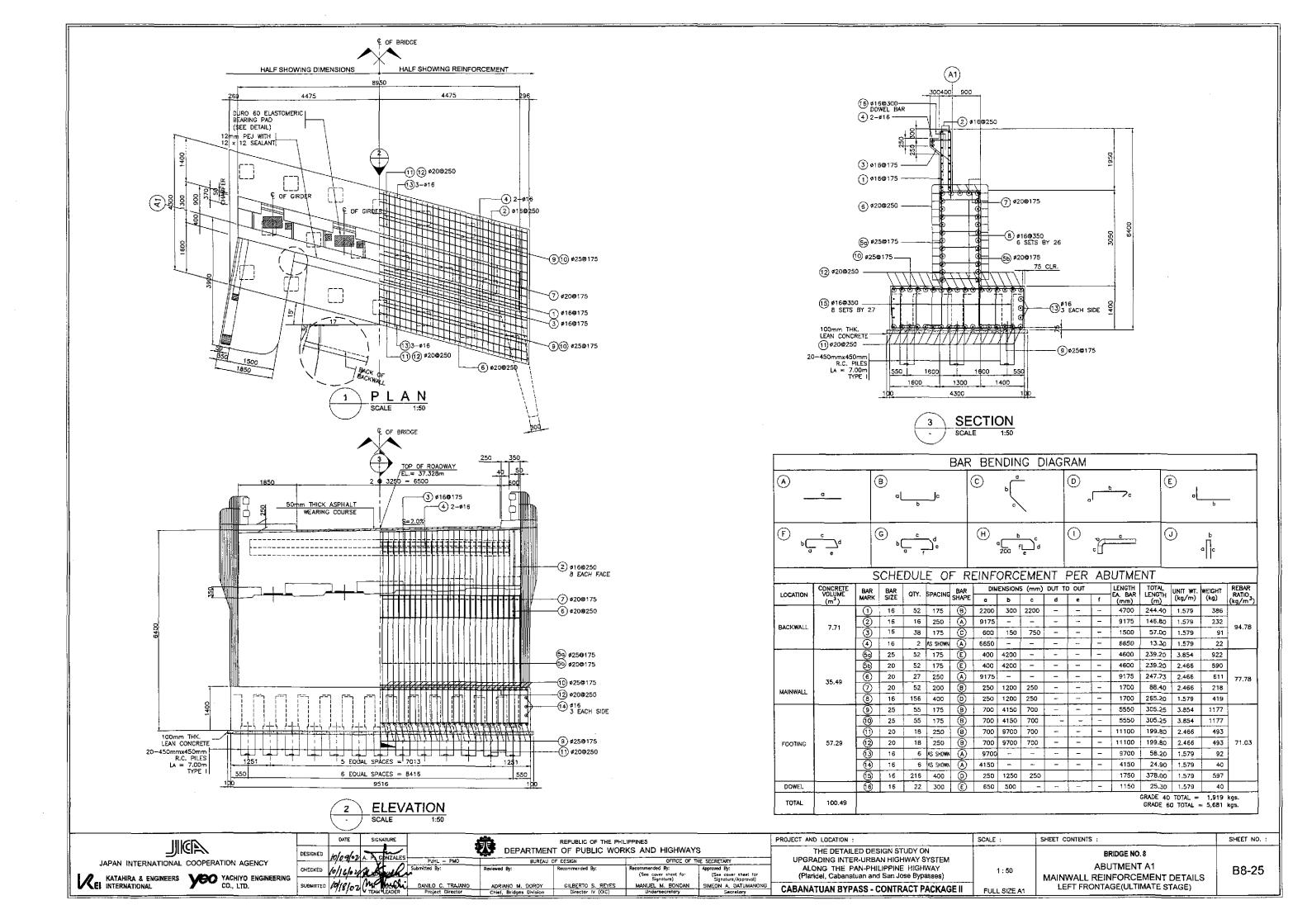
NOTE

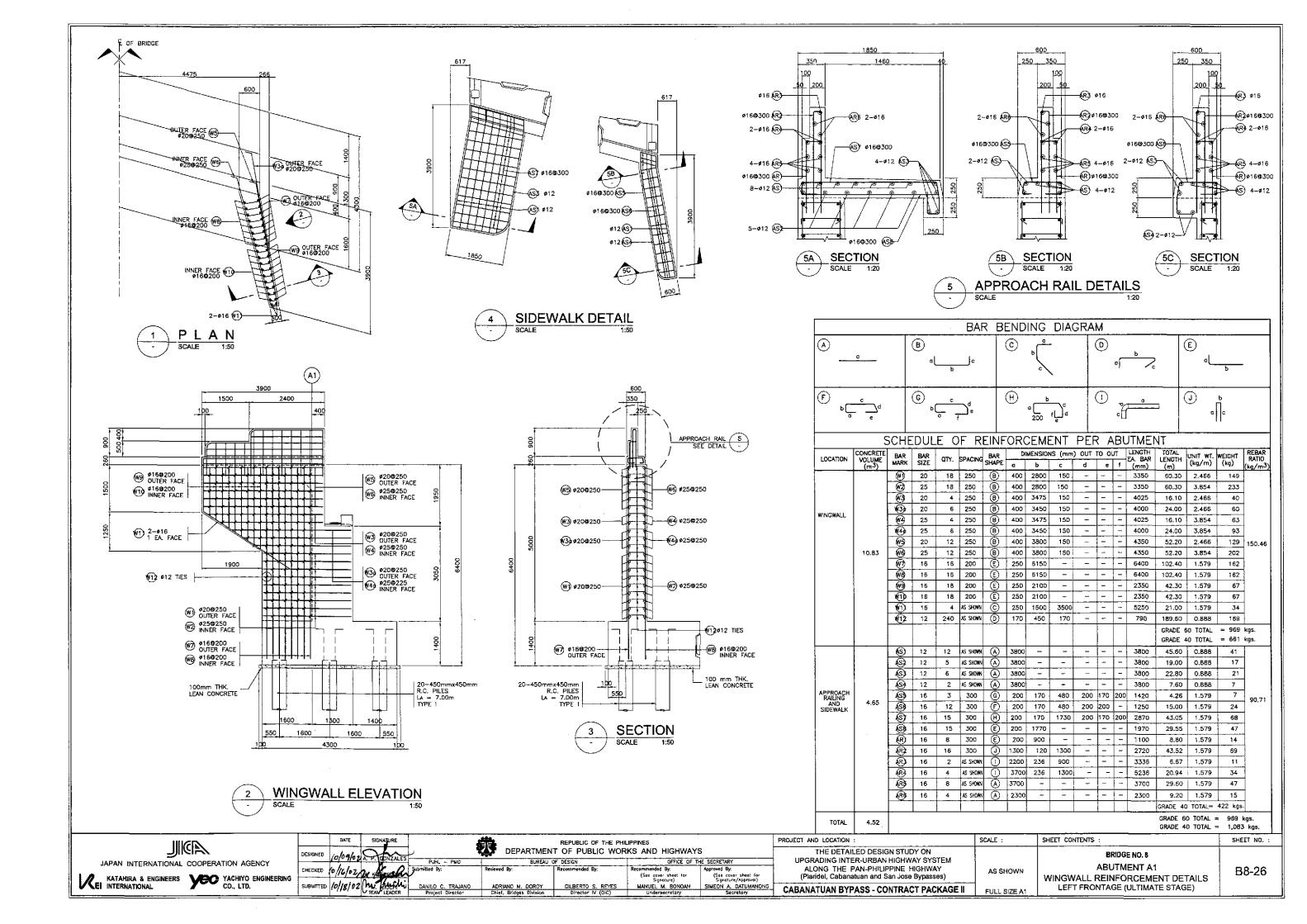
FOR LEFT FRONTAGE - IT IS THE MIRROR IMAGE OF THE SECTION, PLAN @ ABUTMENT SEAT OF RIGHT FRONTAGE.

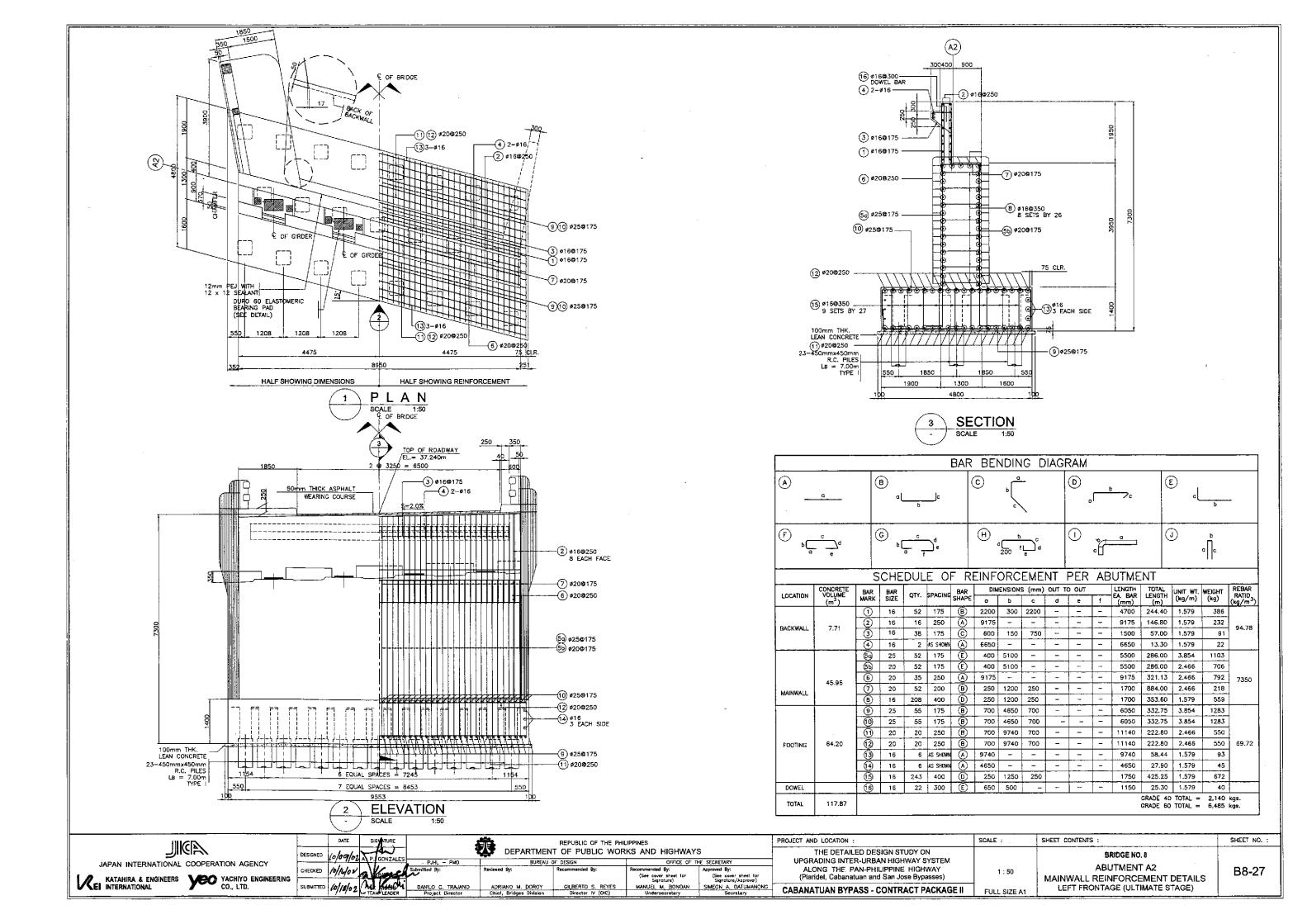


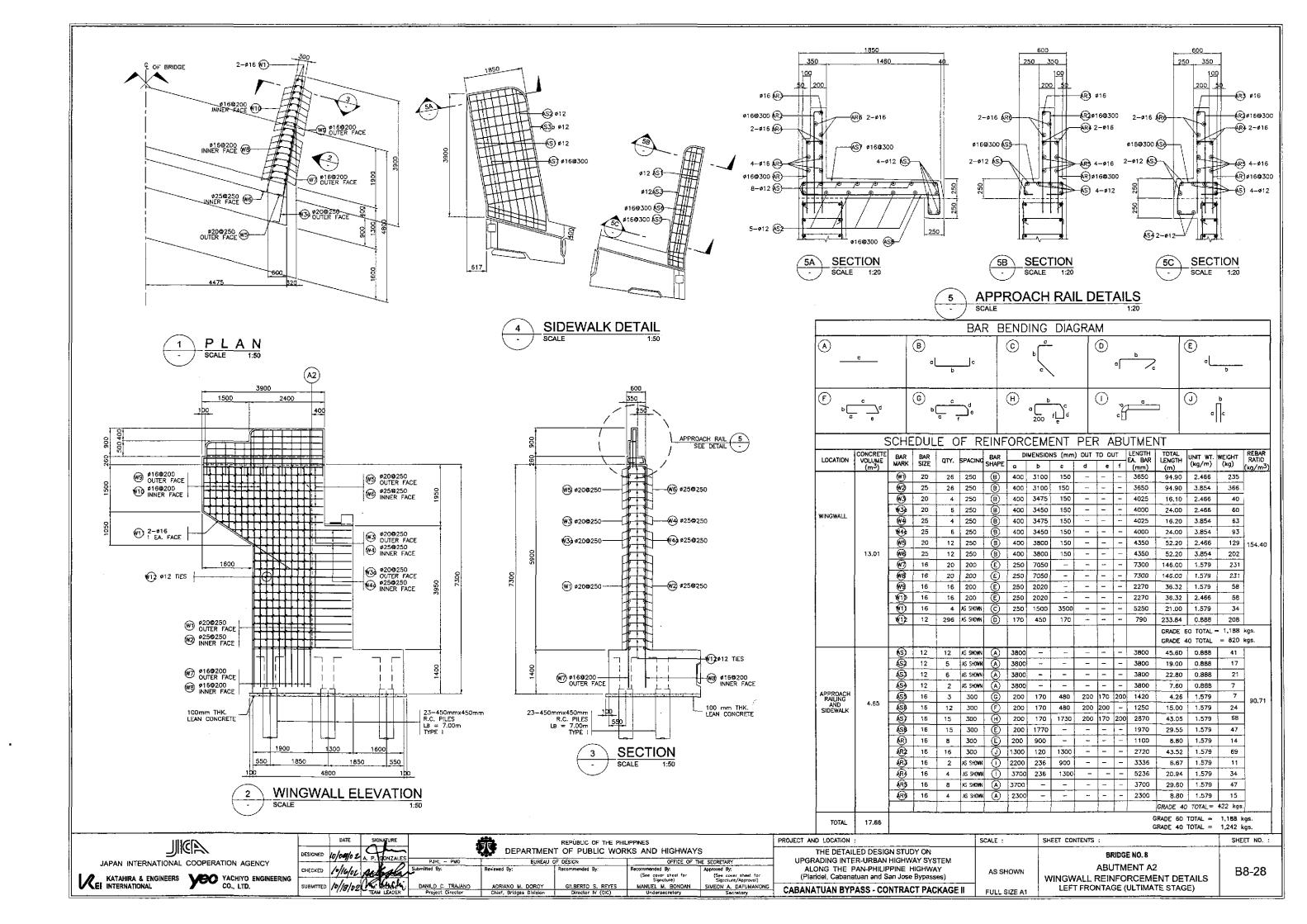


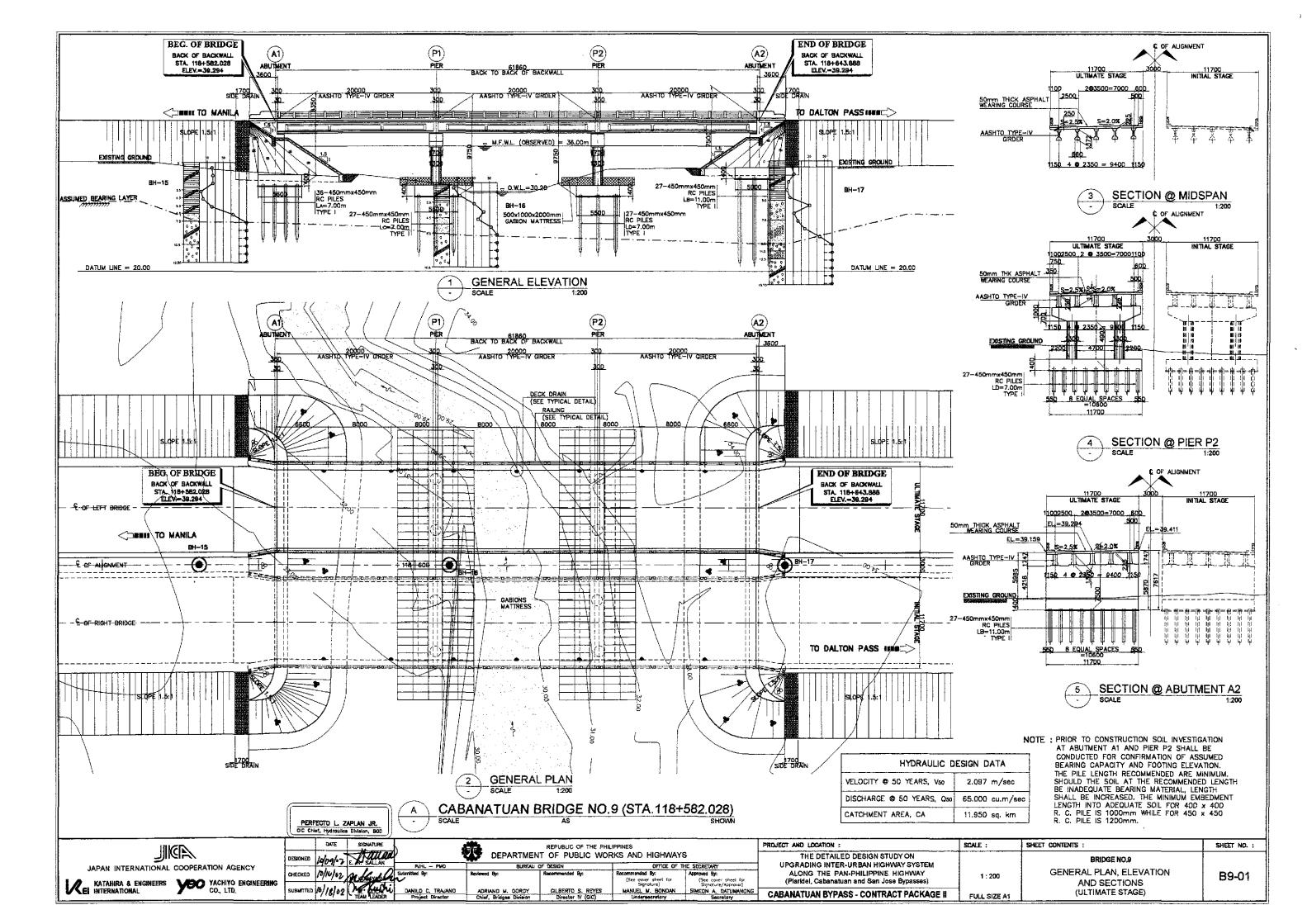


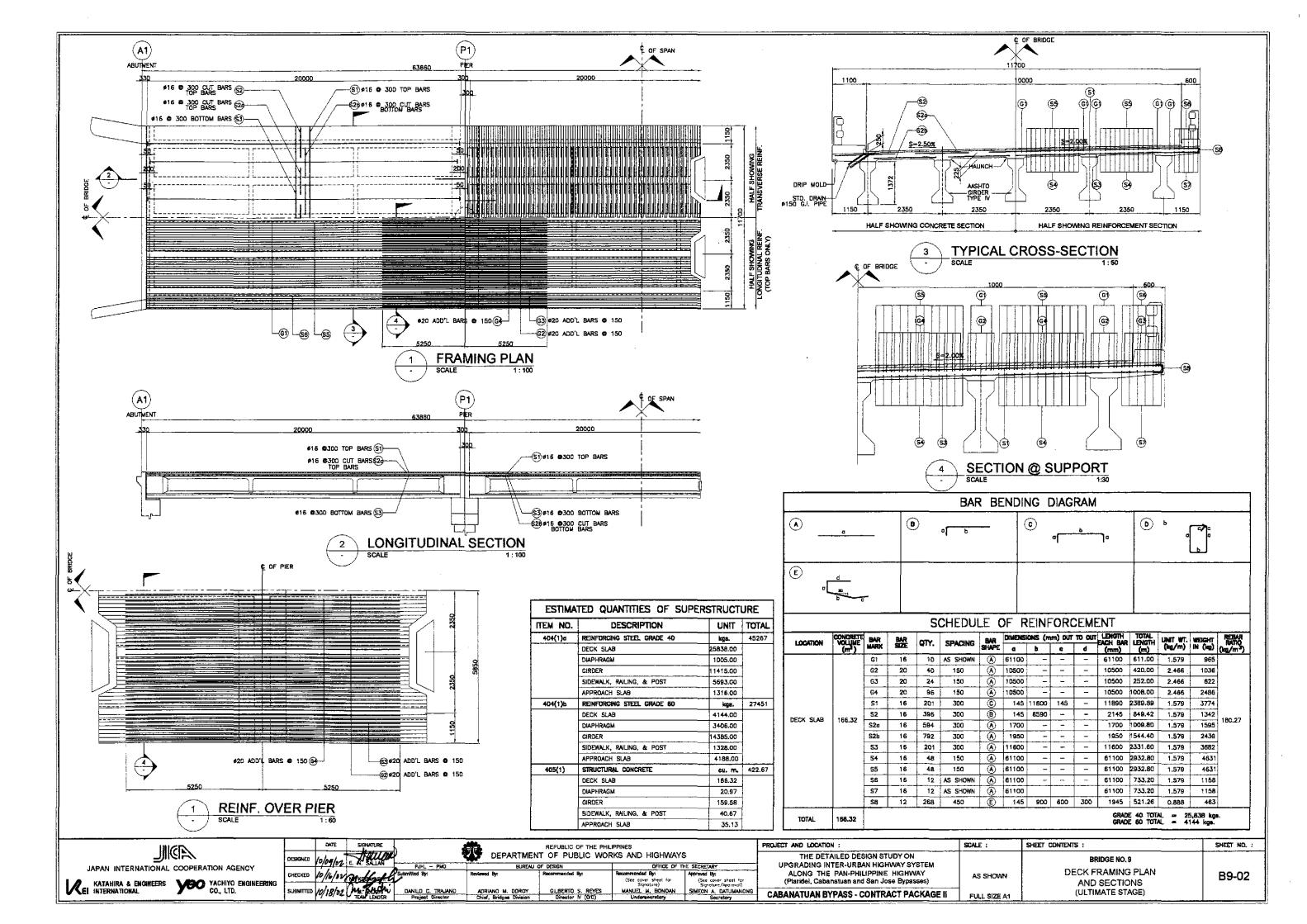


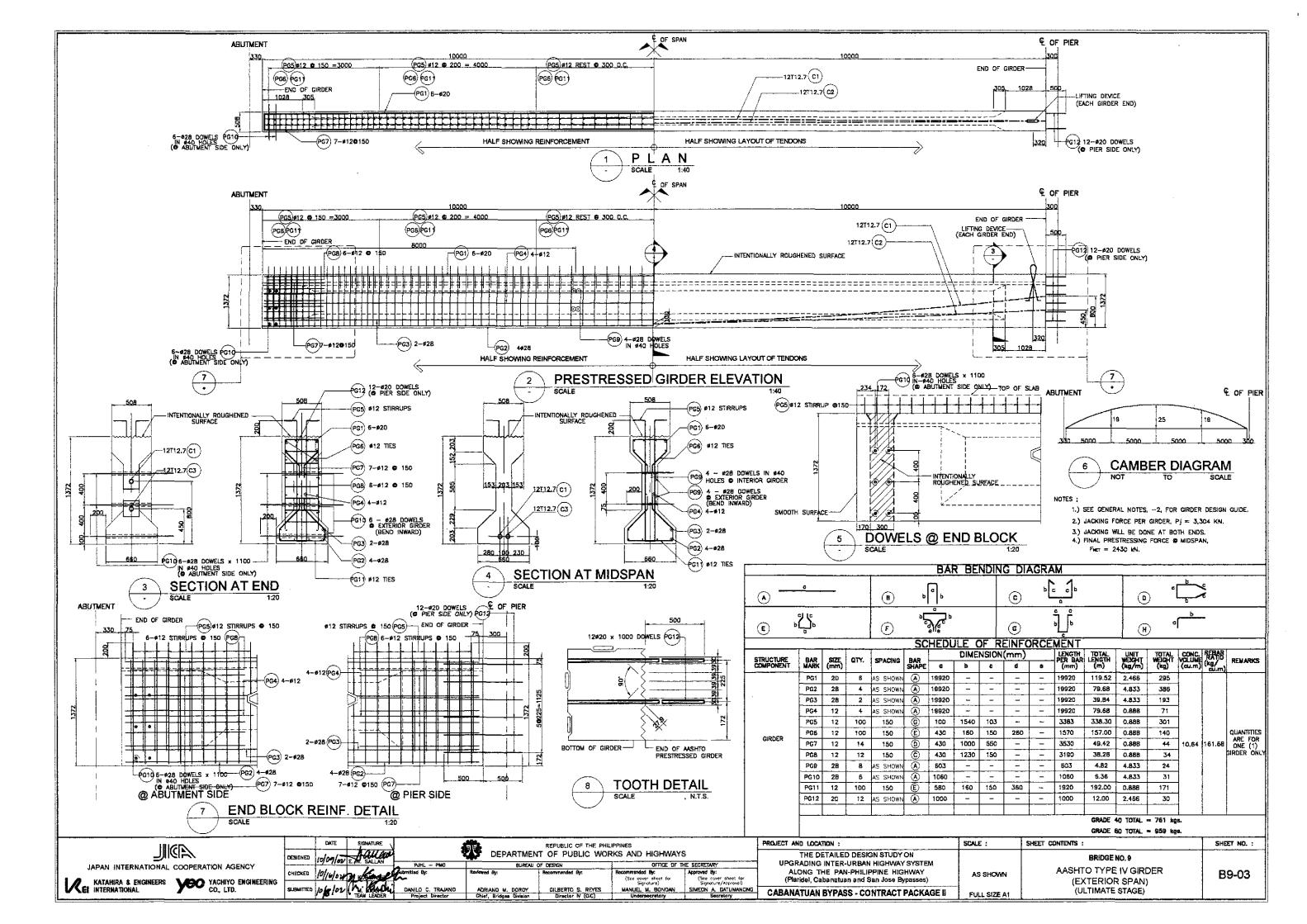


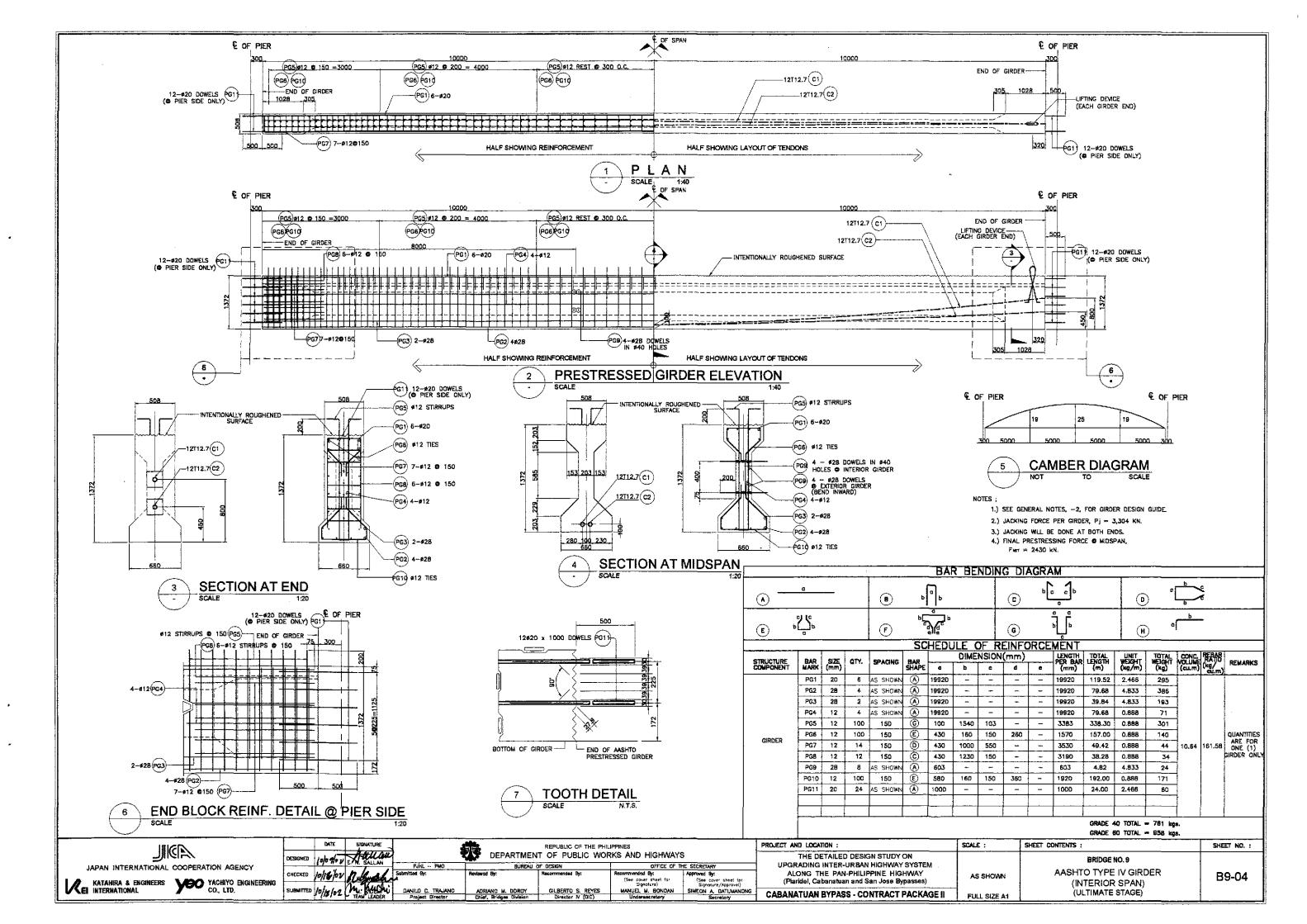


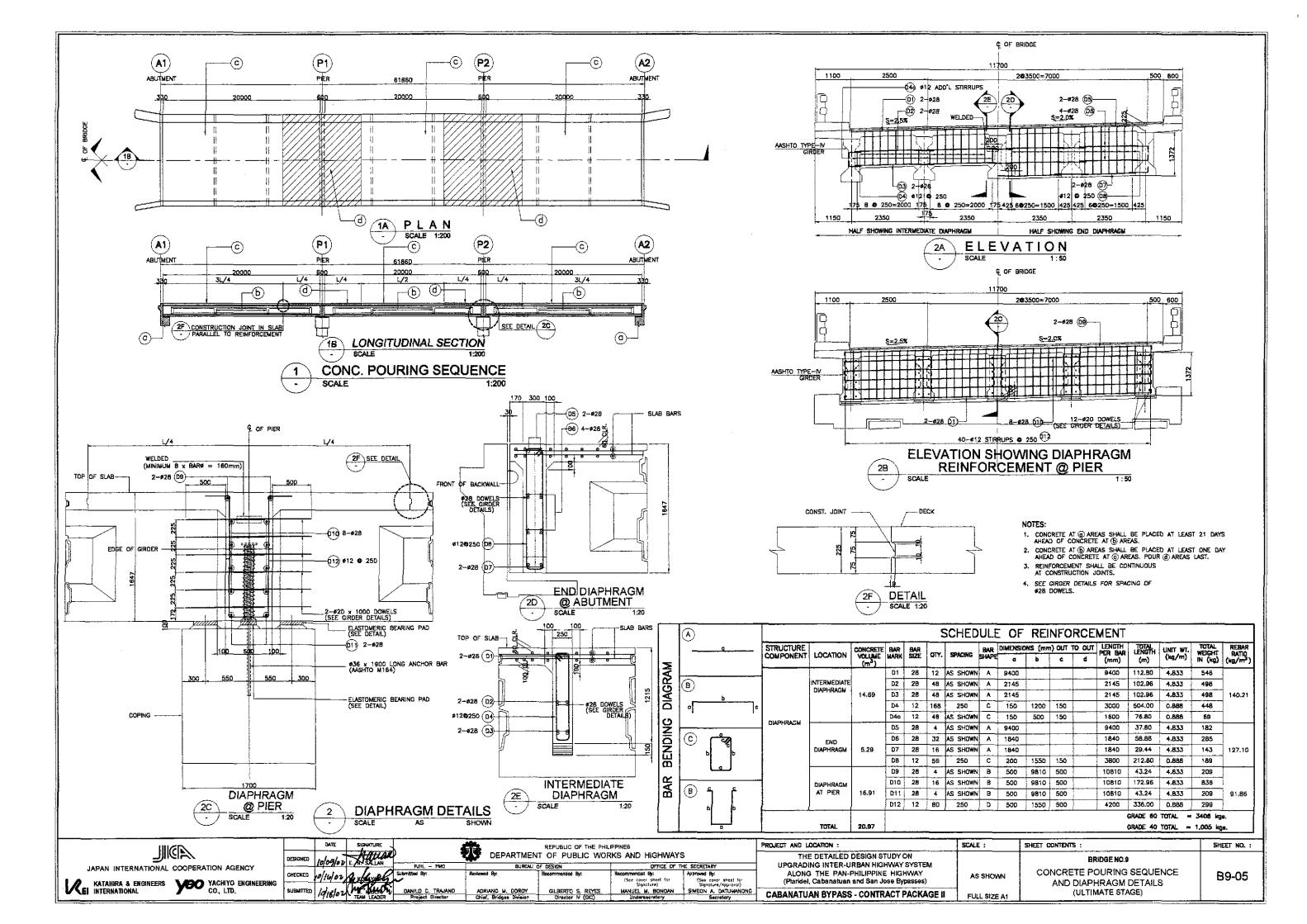


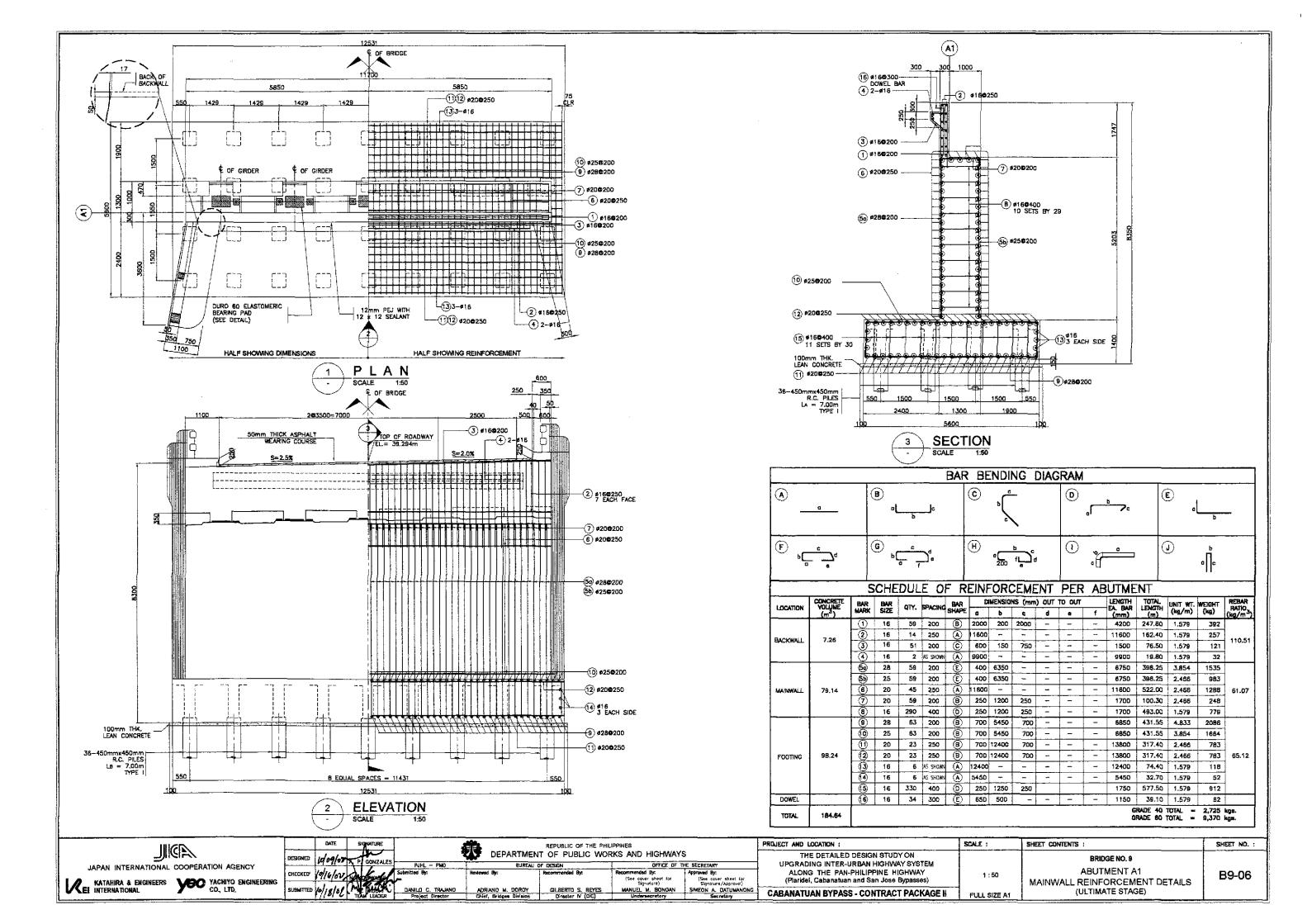


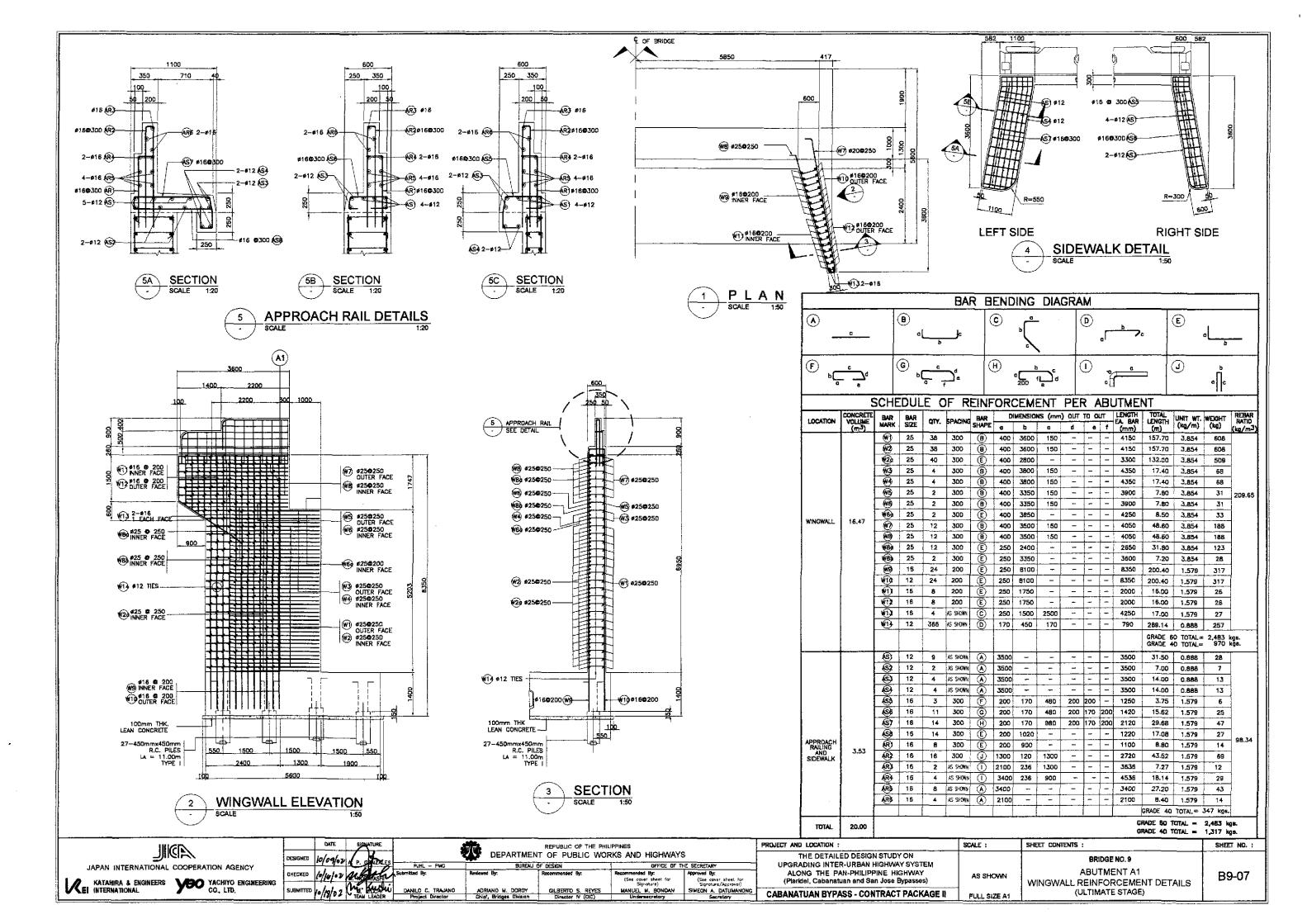


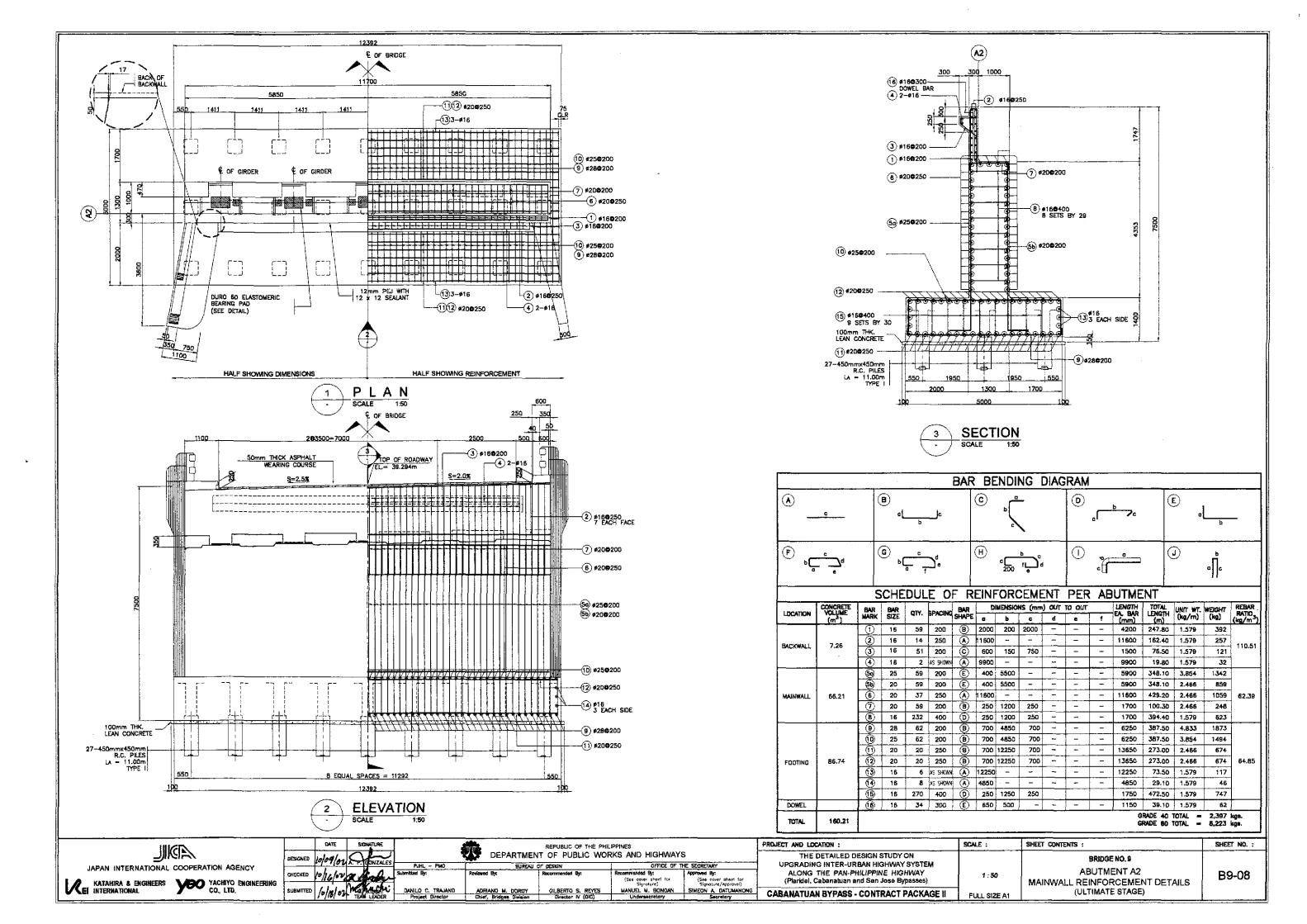


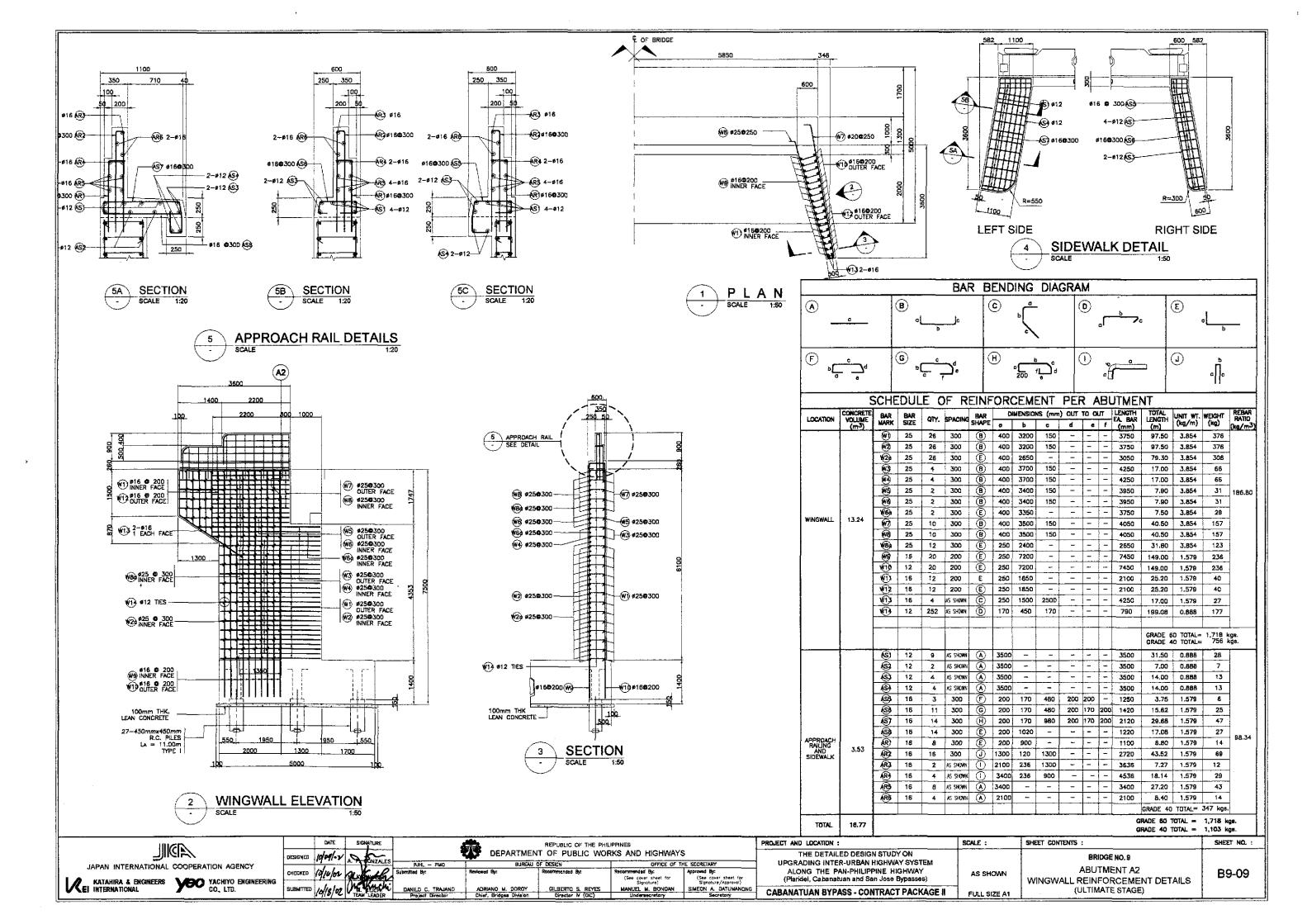


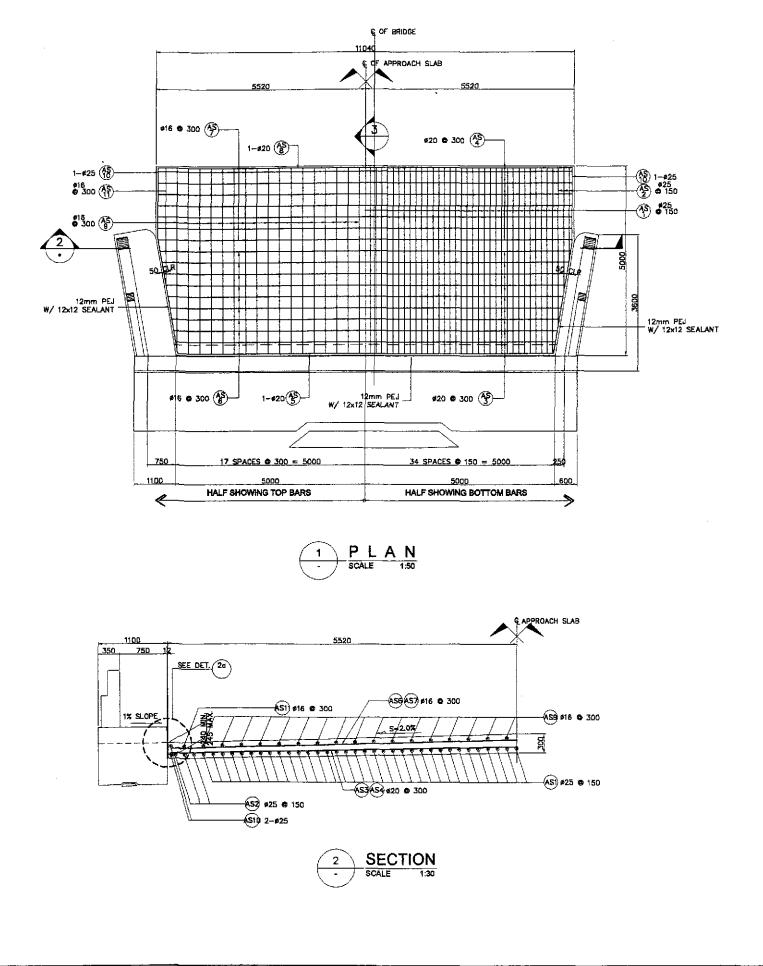


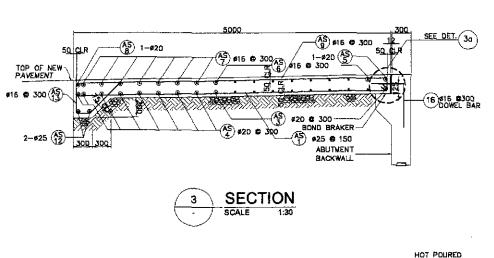


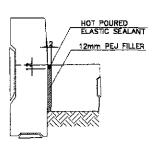


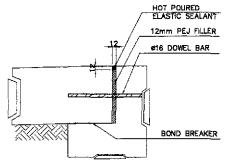










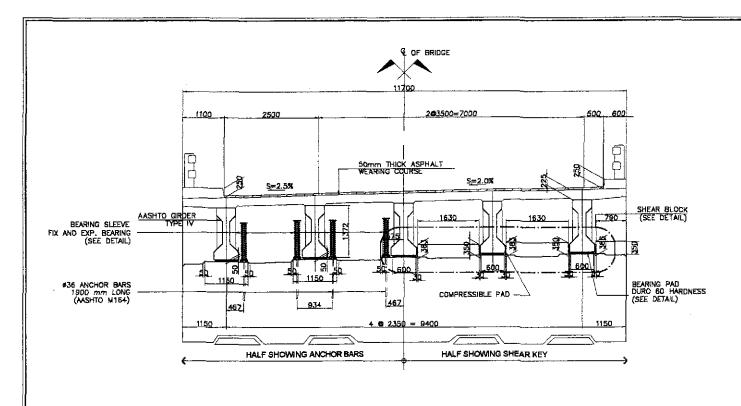


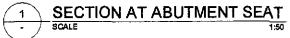


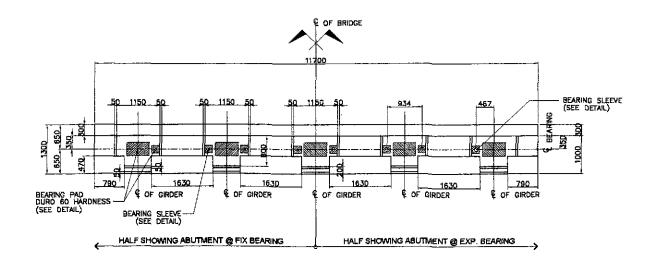


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A	<u> </u>			В		<u>a</u>]b	c)						(D)			
		SCH	EDU	LE (OF R	EIN	FORC	EME	ENT	PEF	₹ ,	AΡ	PROA	CH S	LAB		
LOCATION	CONCRETE VOLUME (m3)	BAR NARK	BAR SIZE	QTY.	SPACING	BAR SHAPE	DIM	ENSION:	(mm)	DUT T	0 0	JÎ f	LENGTH EA. BAR (mm)	TOTAL LENGTH (m)	UNIT WEIGHT (kg/m)	WEIGHT (kg)	REBAR RATIO (kg/cu.r
		(5)	25	68	150	(B)	4900	200			-	-	5100	346.80	3.854	1337	
		\S2	25	6	150	(B)	3200	200	-	-	-		3400	20.40	3,854	79	
		(5)	20	10	300	(A)	9990	i		-	_	_	9990	99,90	2.466	247]
		Æ\$)	20	8	300	(A)	10940	_	_	-	-	-	10940	87.52	2.466	216	
		(S5	20	1	AS SHOWN	(A)	9900	-	-	_	_	-	9900	9.90	2.466	25]
APPROACH	17,57	€ S€	16	9	300	A	10040	_	_	_	_	_	10040	90.36	1,579	143	156.66
SLAB	17.37	<u>(S7</u>	16	7	300	<u>(A)</u>	10940				<u>L-</u>	_	10940	76.58	1.579	121	156.66
		(SB	20	1	AS SHOWN	A	10940				<u> -</u>	_	10940	10.94	2.466	27]
		S)	16	34	300	8	4900	200			<u> -</u>	_	5100	173.40	1.579	274	
		A \$10	25	4	AS SHOWN	©	2000	3000		-	느	_	5000	20.00	3.854	78	
	[(S)	16	2	300	<u>B</u>	3100	200	_	<u> </u>	_		3300	6.60	1.579	11	į
		AST)2	25	2	as shown	<u>(A)</u>	10940		-			_	10940	21.88	3.854	85]
		A\$13	16	38	300	(400	500	200	700	-		1800	68.40	1.579	109	
TOTAL	17.57														40 TOTAL SC TOTAL		-

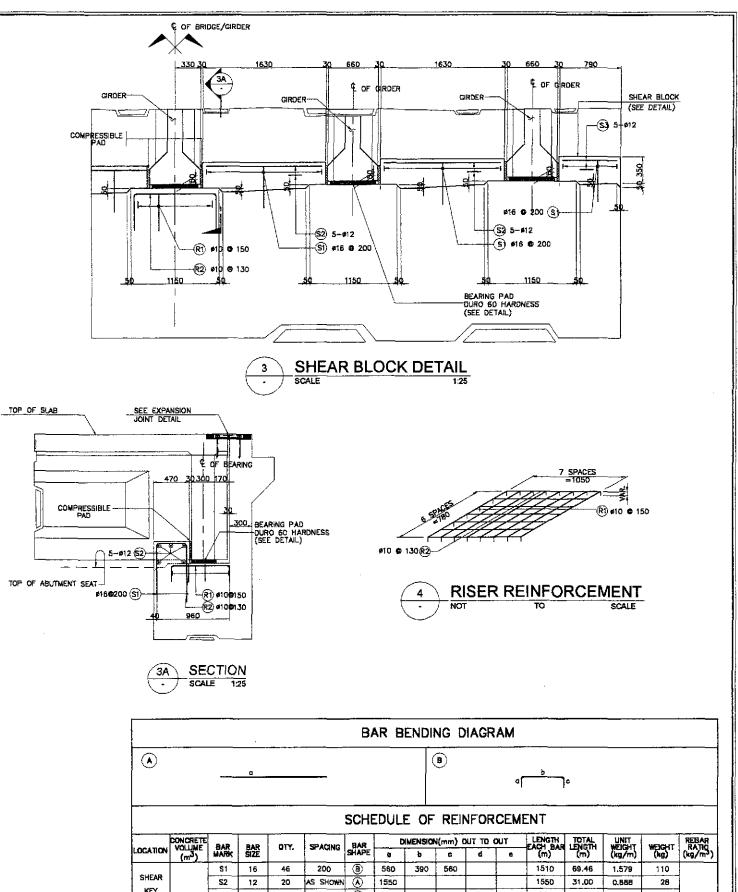
		,					·	<u></u>				
IIII		DATE	SIGNATURE	. 4	REPUBLIC OF THE PHILIPPINES			PROJECT AND LOCATION :	SCALE :	SHEET CONTENTS :	SHEET NO. :	
	DESIGNED	10/09/2	Atten	<u> </u>	DEPARTMEN	IT OF PUBLIC WO	ORKS AND HIGHWAY	S	THE DETAILED DESIGN STUDY ON		BRIDGE NO. 9	
JAPAN INTERNATIONAL COOPERATION AGENCY		111	- /	PuHL PMC	Reviewed By:	OF DESIGN Recommended By:	OFFICE OF T	HE SECRETARY Approved By:	UPGRADING INTER-URBAN HIGHWAY SYSTEM ALONG THE PAN-PHILIPPINE HIGHWAY	1	APPROACH SLAB PLAN,	DO 40
KATAHIRA & ENGINEERS VACHIYO ENGINEERING	CHECKED	10/10/01	and the second	٠,	TOTAL BY		(Sec cover sheet for Signolure)	(See cover sheet for Signature/Approval)	(Plaridel, Cabanatuan and San Jose Bypasses)	AS SHOWN	SECTIONS & DETAIL	B9-10
RATAHIRA & ENGINEERS YOU TACHITO ENGINEERING	SUBMITTED	10/18/02	TEAN LEADER	DANILO C, TRAJANO Project Director	ADRIANO M. DORCY Chief, Bridges Division	GILBERTO S. REYES Director IV (OIC)		SIMEON A. DATUMANONG Secretary	CABANATUAN BYPASS - CONTRACT PACKAGE II	FULL SIZE A1	(ULTIMATE STAGE)	

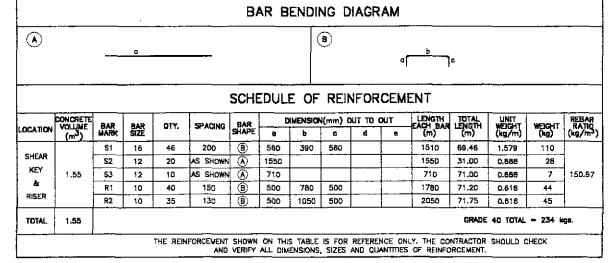












SHEET CONTENTS : SHEET NO. : PROJECT AND LOCATION : SCALE : REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS THE DETAILED DESIGN STUDY ON BRIDGE NO. 9 UPGRADING INTER-URBAN HIGHWAY SYSTEM ALONG THE PAN-PHILIPPINE HIGHWAY JAPAN INTERNATIONAL COOPERATION AGENCY SHEAR KEY AND RISER DETAILS AS SHOWN B9-11 (See cover sheet for Signature/Approval)
SIMEON A. DATUMANDING
Sepretary (See cover sheet for Signature) MANUEL M. BONGAN KATAHIRA & ENGINEERS YEO YACHIYO ENGINEERING CO., LTD. (Plaridel, Cabanatuan and San Jose Bypasses) AT ABUTMENT (ULTIMATE STAGE) CABANATUAN BYPASS - CONTRACT PACKAGE II FULL SIZE A1

