							<u> </u>		
	COORDINATES	TABLE OF COORDINAT	TES	-		~			
CONTROL POINT		- -	REMARKS						
	1717822.578 497215.395	the second s	EMENT TO MEET EXISTING EDGE OF PAVEMEN EMENT TO MEET EXISTING EDGE OF PAVEMEN						
	1717826.712 497221.044 1717858.992 497197.422	· ····································	EMENT TO MEET EXISTING EDGE OF PAVEMENT						60.00
	1717854.858 497191.773 1717904.016 497157.348		2.75m FROM THE CENTERLINE					TRANSITI	TION LENGTH
6	1717908.15 497162.997		MEET EXISTING EDGE OF PAVEMENT						
8	1717946.236 497138.843 1717938.559 497128.352		R, PAVEMENT WIDTH 13.00m 0.25m FROM THE CENTERLINE	_		おい			
<u> </u>	1717987.583 497089.37B	· · · · · · · · · · · · · · · · · ·	MEDIAN RADIUS 1.25						
	1717989.059 497091.396		MEDIAN RADIUS 1.25	_		$H \setminus H$			
$\rightarrow \leftarrow +$	1717994.091 497100.105 1718005.277 497091.92		AND INTERSECTION	_		$(I \setminus I)$		50 3	
	1718014.185 497097.967		AND INTERSECTION	-			ļ		
<u> </u>	1717965.157 497110.361 1718031.243 497109.544	· · · · · · · · · · · · · · · · · · ·	G. OF RADIUS 40 DI MEET EXISTING EDGE OF PAVEMENT	-{		// / //	1		
	1718039.004 497098.110		OF 2,50m SHOULDER	-					
	1718037.514 497096.88 1718037.079 497072.364		O MEET EXISTING EDGE OF PAVEMENT	-					
	1718025.354 497088.626	······································	AND INTERSECTION	-		11 1			
(20) (21)	1718017.272 497083.141 1718026.579 497076.331		AND INTERSECTION	-1		1 4		ł	
(22)	1718015.790 497071.722	BEG. OF	F MEDIAN RADIUS 1.25						
	1718018.267 497073.740 1718074.241 497045.169		MEDIAN RADIUS 1.25	$+$ \times		11	<i>N N</i>		
(25)	1718108.784 497015.173	END OF TAPER TO N	MEET EXISTING EDGE OF PAVEMENT						
	1718104.65 497010.524 1718152.332 496974.082		I 1.50m FROM THE CENTERLINE			li al	HI T L	·	_
	1718188.745 496956.109		T TO MEET EXISTING EDGE OF PAVEMENT			فر ف			
	1718184.612 496950.46 1718178.705 496942.39		T TO MEET EXISTING EDGE OF PAVEMENT	_		(46)			
	1718182.84 496948.039		MENT 1.50m FROM THE CENTERLINE)		<	
		EDGE OF CARRIAGE	Eway					s	60.00 STORAGE LENG
							$ \rightarrow $		
				~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			<mark>∍/k</mark> ä ∖⊛_/		
	<u></u> (53)			10 I					00
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				<u>0</u>			Contraction of the second seco		
		INE OF BYPASS				13	AN A		
		XARRIAGEWAY				G	1 8 M		
			60.00 TRANSITION LENGTH	45.00 TAPER LENGTH		D.00 É LENGTH		N 4 //	
				IAPER LENGTH	SIDRAG				
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							15 \	N N N	
		TABLE OF COORDINAT	TES						
CONTROL	COORDINATES	 	REMARKS						-
POINT	NORTHING EASTING 1718150.56 496971.661		1.50M FROM THE CENTERLINE	4				NN N 16	
_ ><+	1718101.402 497005.085		2.75m FROM THE CENTERLINE	-				11 11 11	
34)	1718097.268 497000.437		R, PAVEMENT WIDTH 7.00m	$\neg$					
_> <b>∢</b> →	1718059.171 497024.599 1718065.859 497035.082		PAVEMENT WIDTH 13,00m						
(3)	1718011.327 497063.329		ND INTERSECTION					<i>ii f ii</i>	
	1718000.141 497071.514 1717991.232 497065.467		ND INTERSECTION	-4				$M \setminus M$	
(40)	1718020.261 497053.073		OF RADIUS 40		sec.			$jj \mid jj$	
	1717974.175 497053.89 1717980.064 497074.807		MEET EXISTING/EDGE OF PAVEMENT	-	4 *			M/M	
(43)	1717988.145 497080.292	ISLAN	ND INTERSECTION	-	$\times$			11 年15	
	1717978.839 497087.103 1717966.414 497065.324		ND INTERSECTION	-	* 183. Tan			ŏ	
(46)	1717967.904 497066.554	BEG. OF RADIUS 15 TO	MEET EXISTING/EDGE OF PAVEMENT		v				
(47) (4B)	1717968.338 497091.07 1717931.177 497118.255		OF RADIUS 15	4	GEOMETRIC	DESIGN LAYOUT	F		
49_	1717896.634 497147.26		R, PAVEMENT WIDTH 7.00m						
- <del>} {</del>	1717900.768 497152.909		ENT 2.75m FROM THE CENTERLINE	-	INTERSECTION A-2		1.000)		
	1717853.085 497189.352 1717848.893 497183.746		1.50m FROM THE CENTERLINE OF 7.00m WIDE PAVEMENT	-1 $(1)$		TE STAGE	- 800		
(53)	1717820.807 497212.974	INNER EDGE OF TWO LANE F	PAVEMENT 1.50m FROM THE CENTERLINE	RI-01	SCALE		1:500		
	1717816.673 497207.325	·	OF 7,00m WIDE PAVEMENT		REPUBLIC OF THE PHILIPPINES		PROJECT AND LOCATION	:	SCALE
(54)	·*·				ACTUDING OF THE PHILIPPINES				
(54)	JIC	A	DESIGNED M/ 18/02 -		INT OF PUBLIC WORKS AND HI	GHWAYS		LED DESIGN STUDY ON	E E
	APAN INTERNATIONAL CO		A ORONCE P	PJHL - PMO BUREAL		OFFICE OF THE SECRETARY	UPGRADING INTI	ER-URBAN HIGHWAY SYSTEM PAN-PHILIPPINE HIGHWAY	
	APAN INTERNATIONAL CO	OOPERATION AGENCY	CHECKED O M/01 S. COSE	UHL - PMC BUREAL d By: Reviewed By:	U OF DESIGN C Recommended By: Recommended By: (See cover all Signatu	DFFICE OF THE SECRETARY Approved By: heet for (See cover sheet for re) Signature/Approvol)	UPGRADING INTI ALONG THE (Plaridel, Cabana	ER-URBAN HIGHWAY SYSTEM PAN-PHILIPPINE HIGHWAY atuan and San Jose Bypasses)	
	APAN INTERNATIONAL CO	OOPERATION AGENCY	CHECKED 10/101 S.COSE SUBMITTED 10/101/89 MM. KNUCH DANK	PJHL - PMO BUREAL	U OF DESIGN C Recommended By: Recommended By: (See cover # Signatu GILBERTO S. REYES MANUEL M.	FFICE OF THE SECRETARY theet for re) for Signature/Approval Signature/Approval) SIMEON A. DATUMANDAN	UPGRADING INTI ALONG THE (Plaridel, Cabana	ER-URBAN HIGHWAY SYSTEM PAN-PHILIPPINE HIGHWAY	1 - III - FULL

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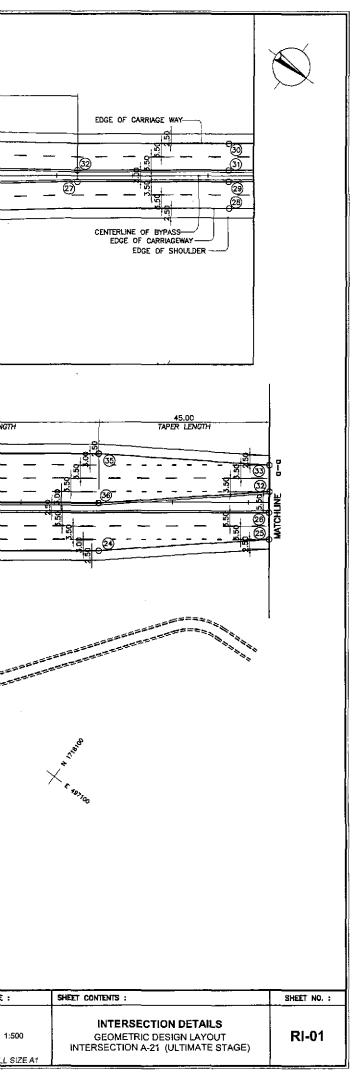
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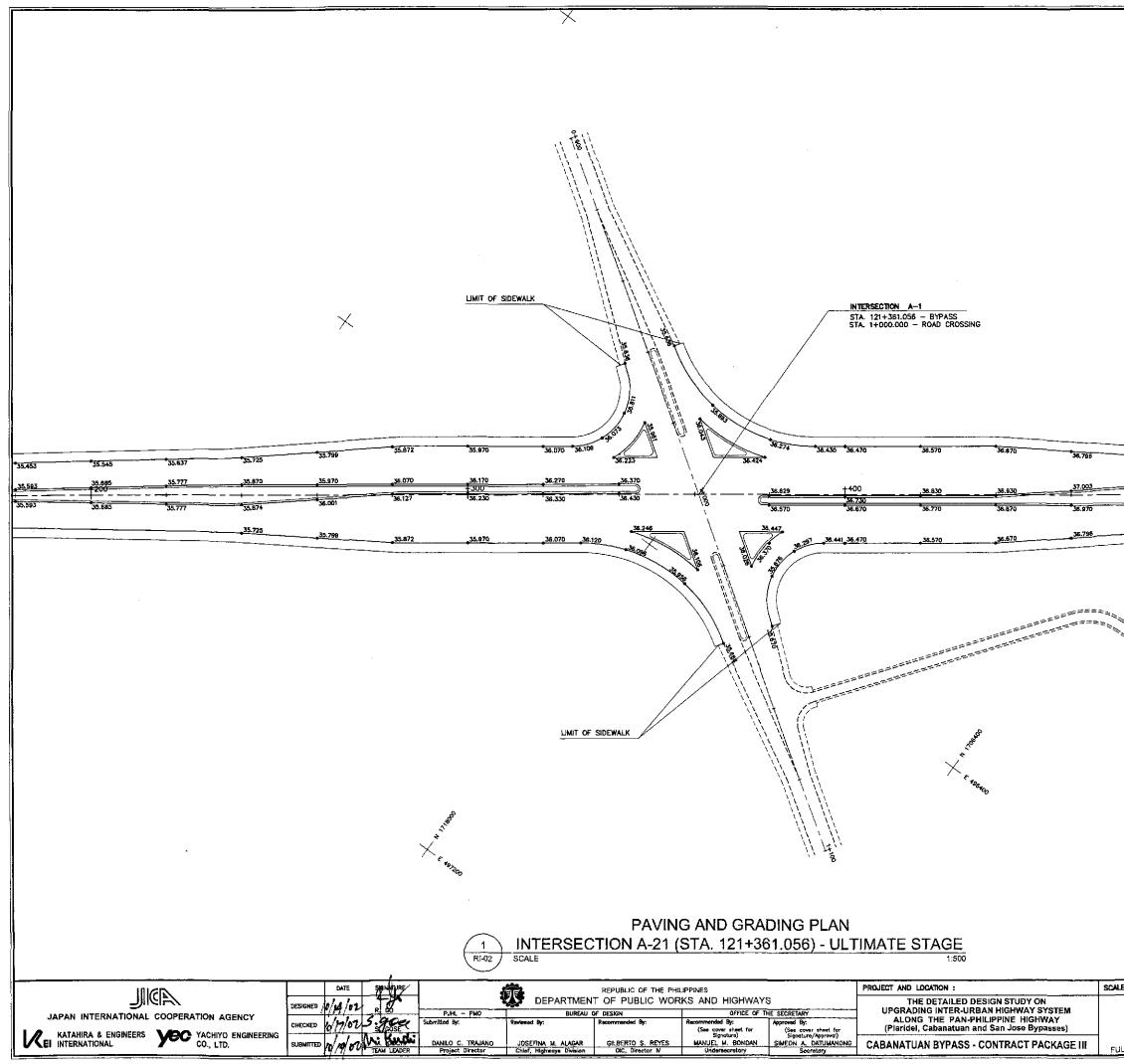
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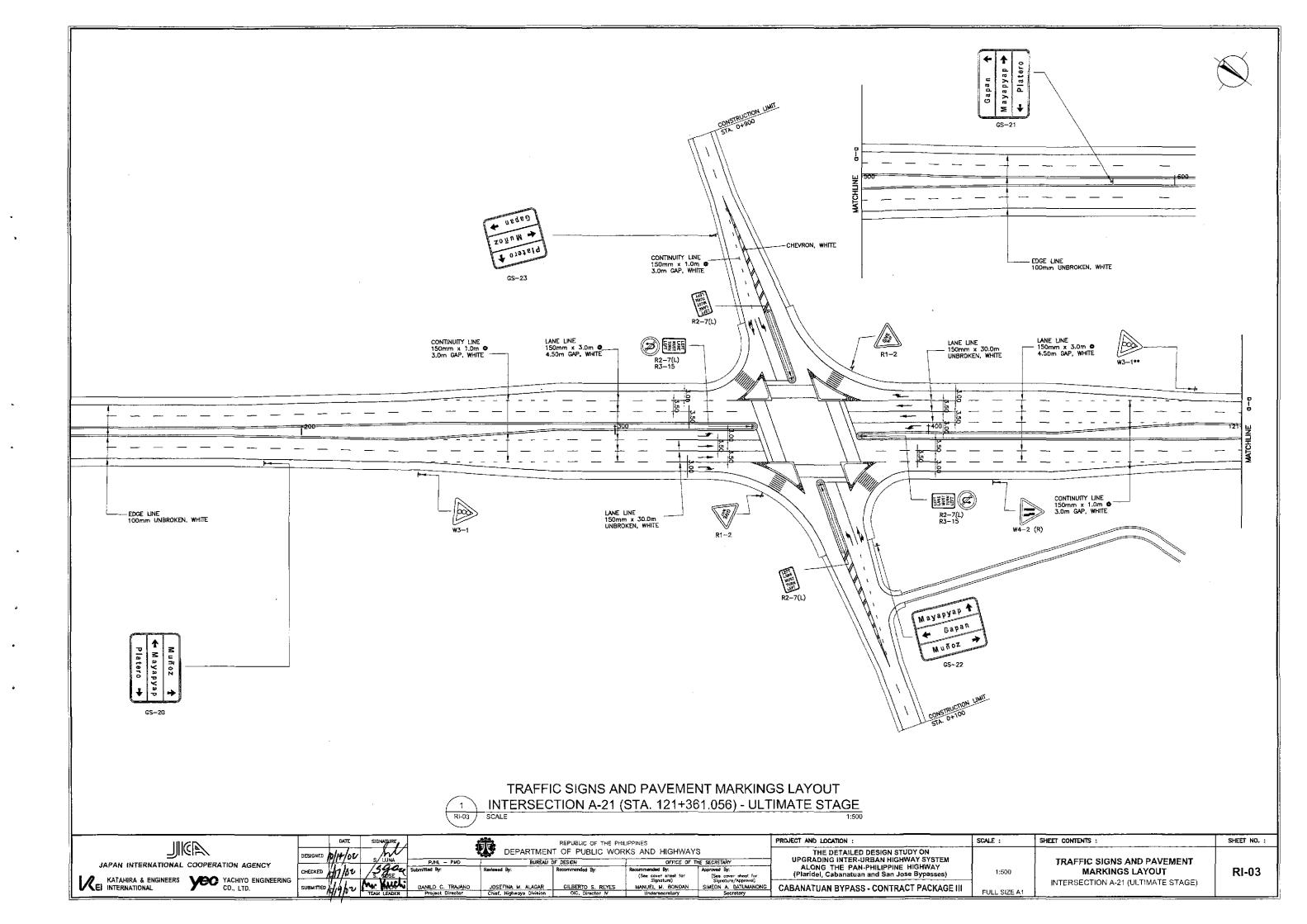
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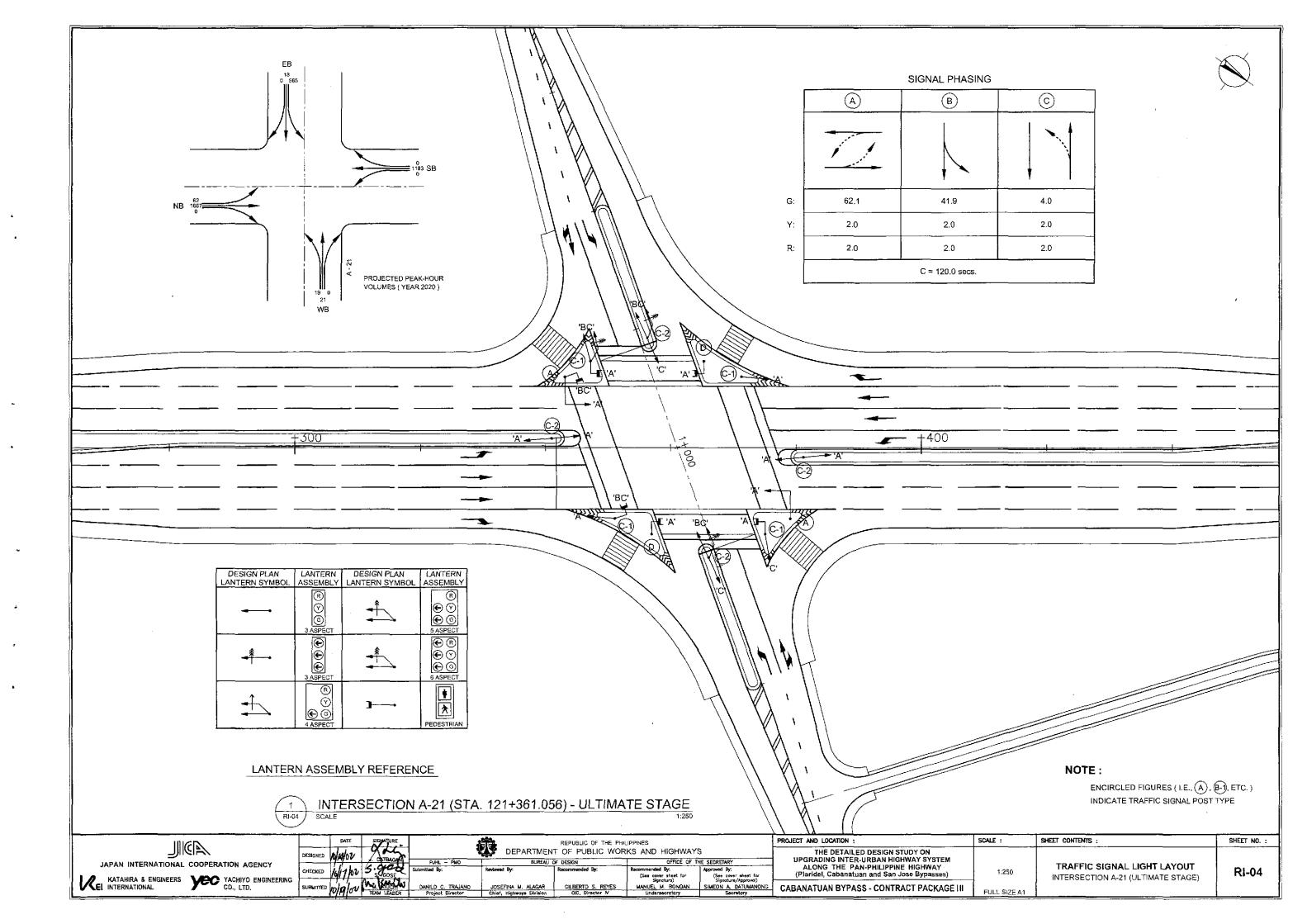


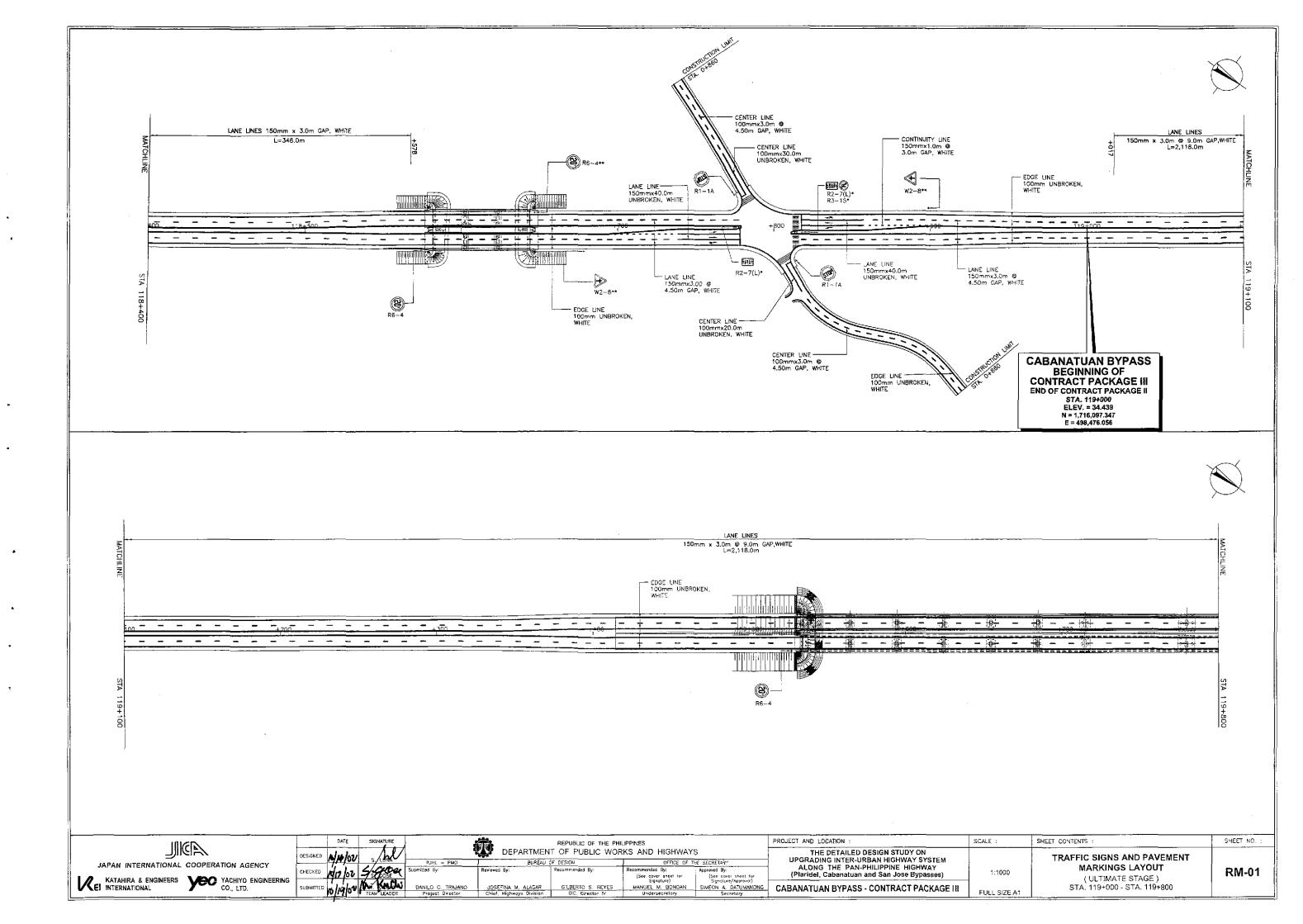


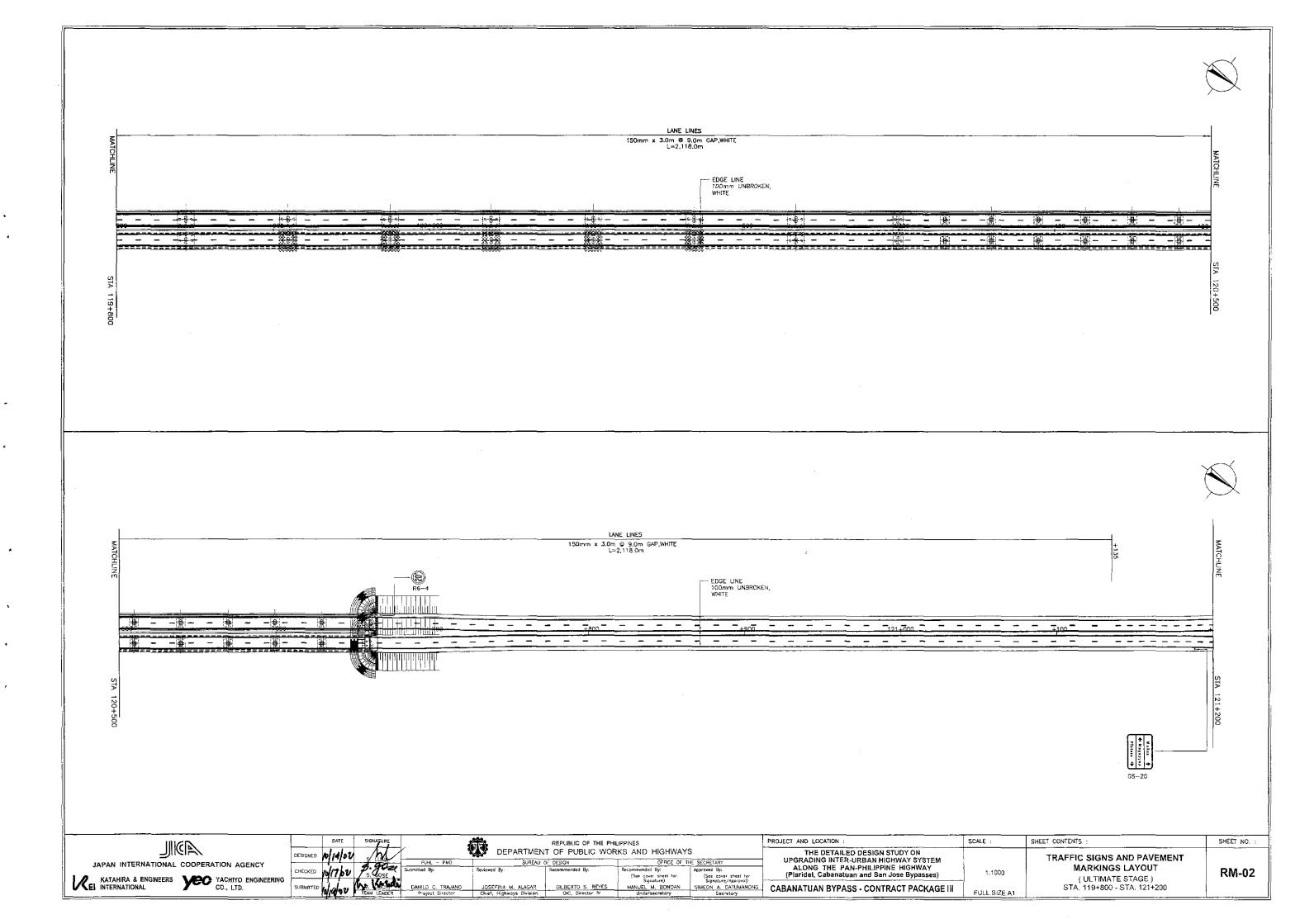
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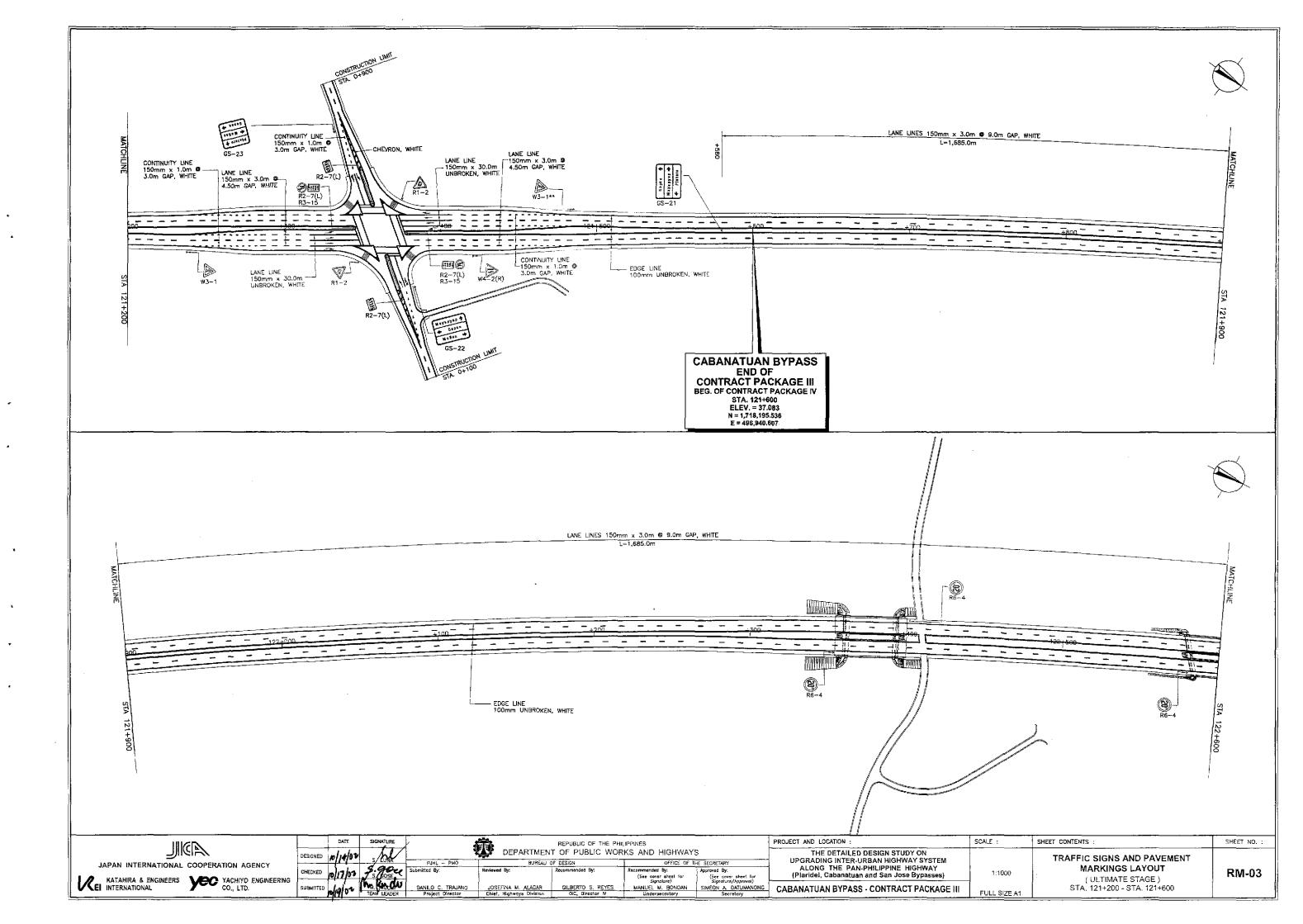
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LE :	Sheet contents :	SHEET NO. :
1:500	INTERSECTION DETAIL PAVING AND GRADING PLAN	RI-02
ULL SIZE A1	INTERSECTION A-21 ULTIMATE STAGE)	

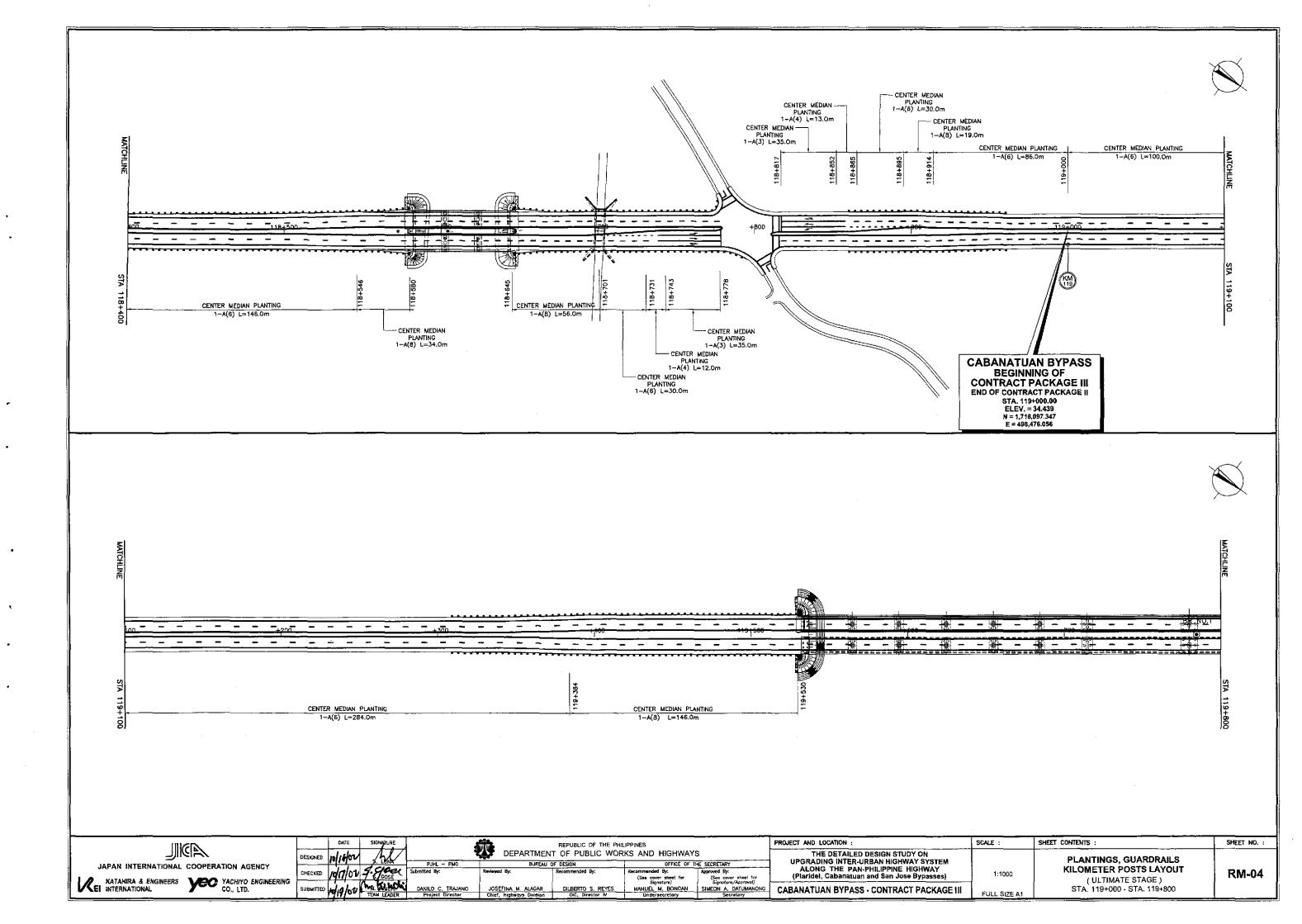


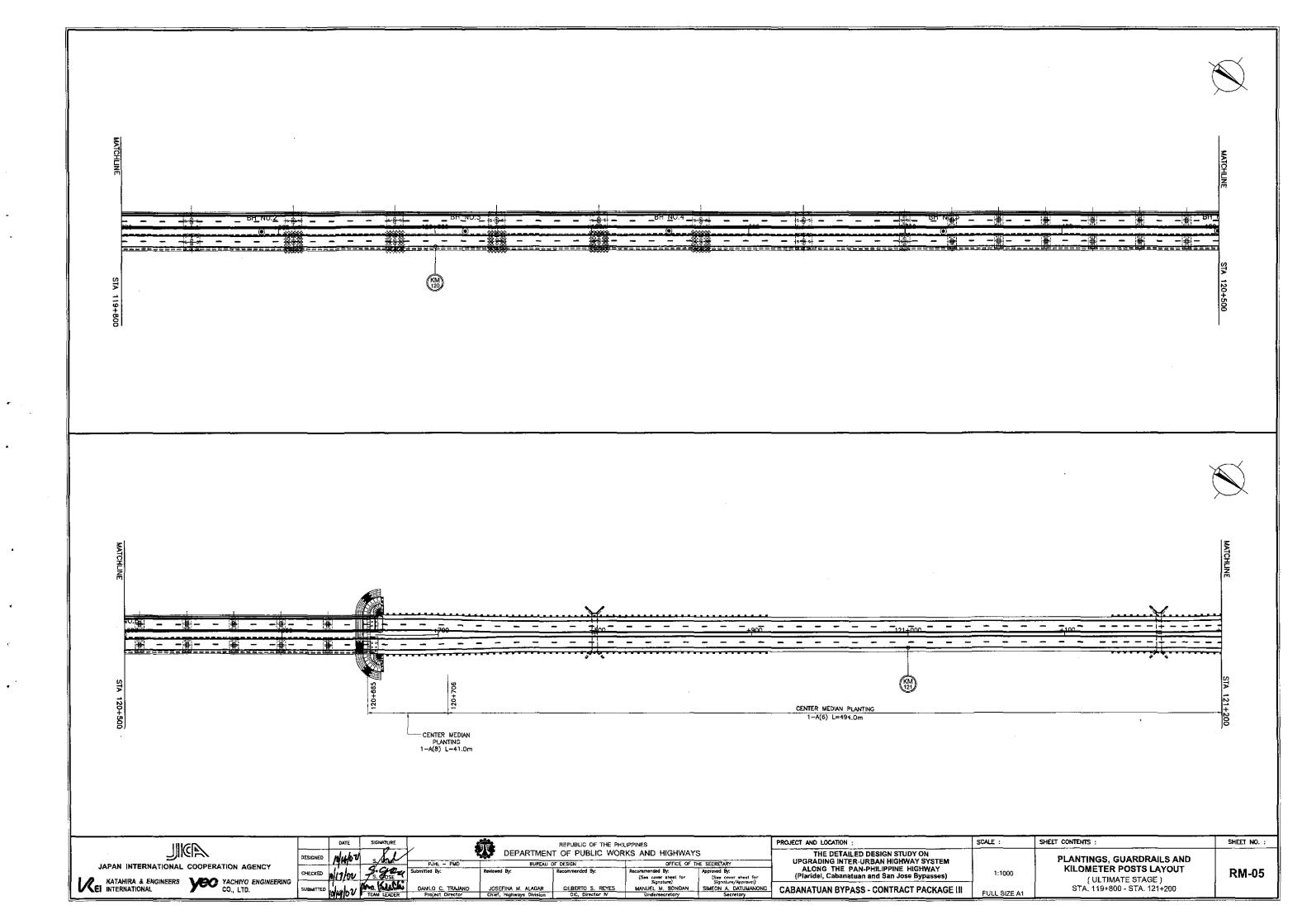


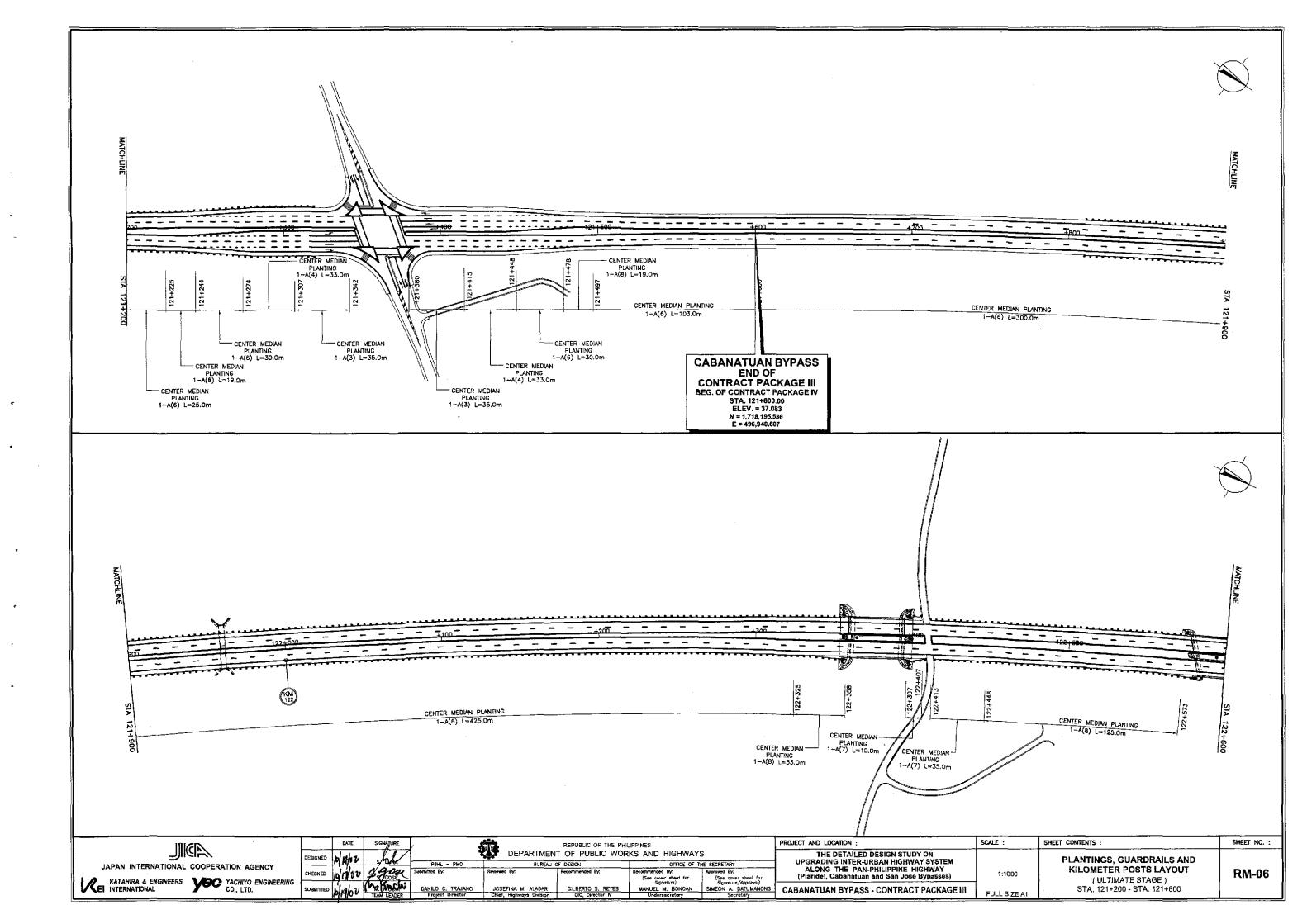


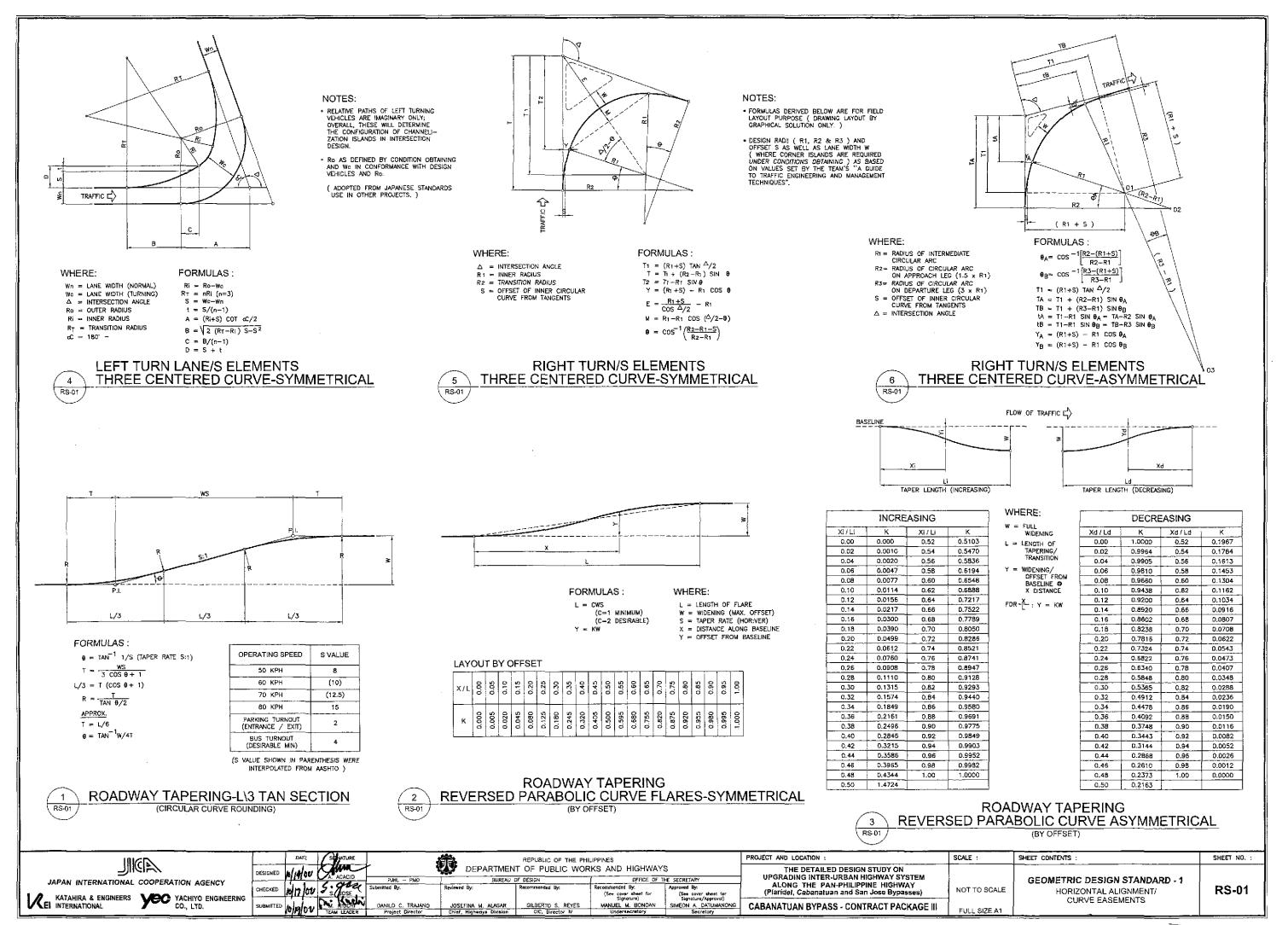


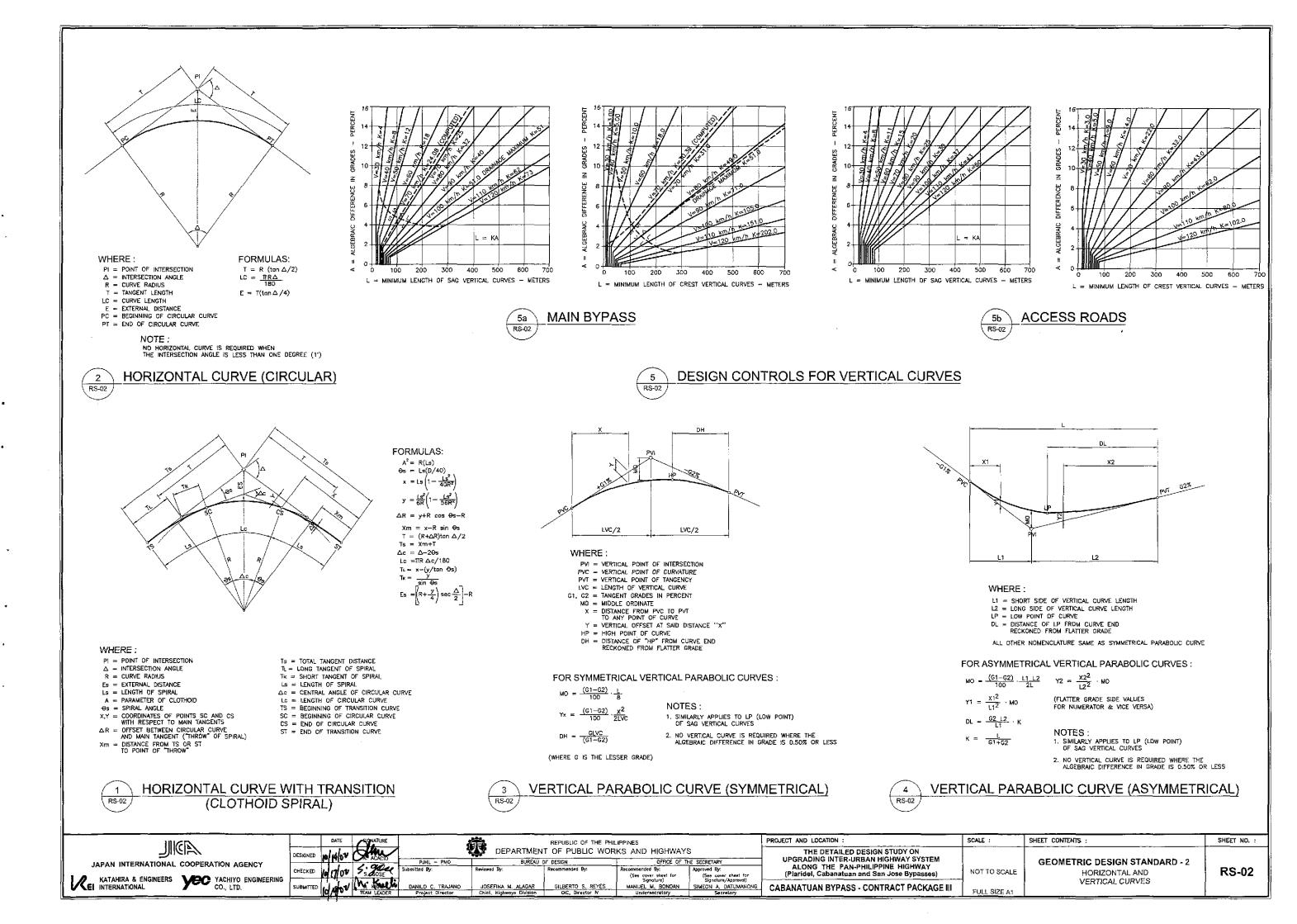


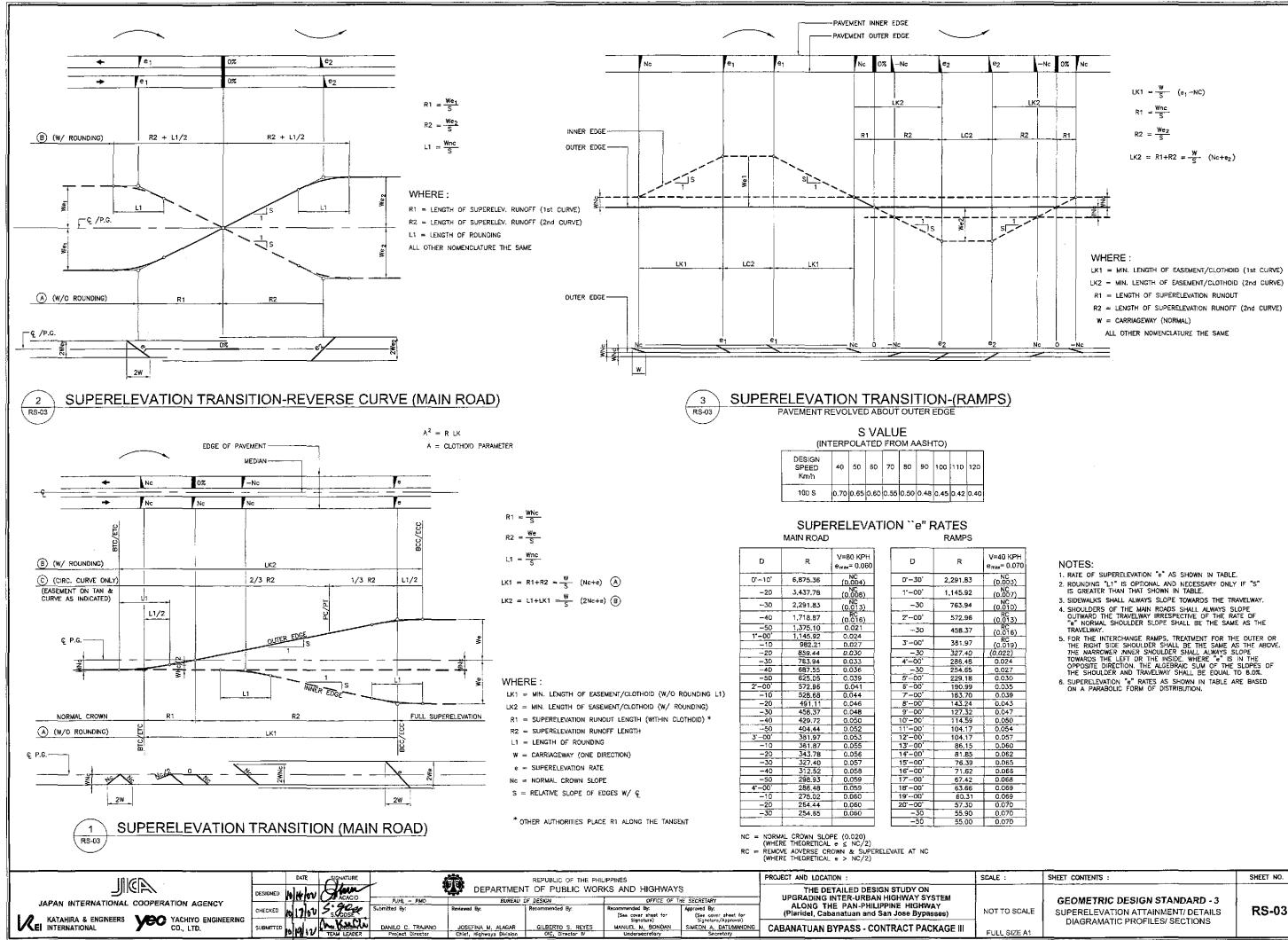






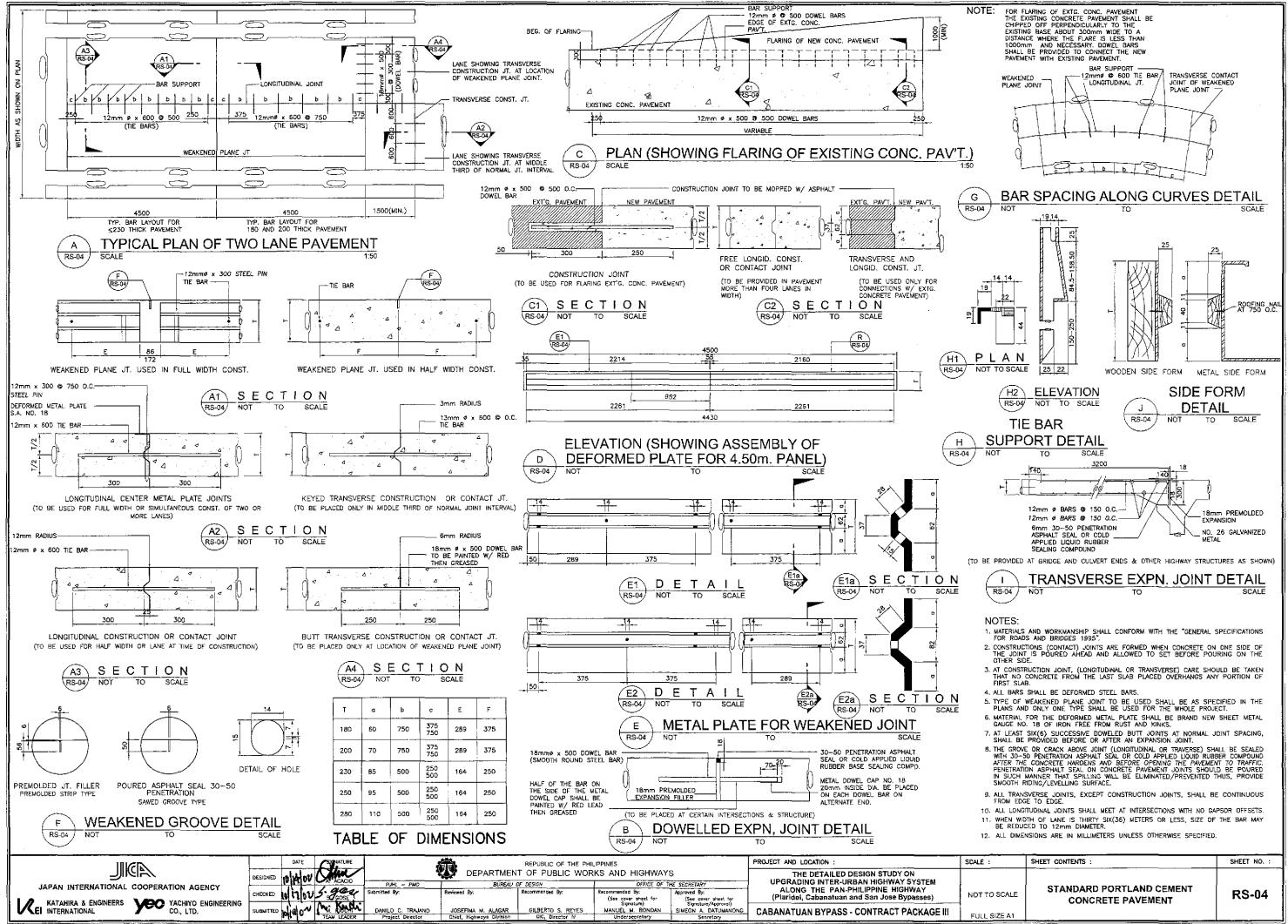




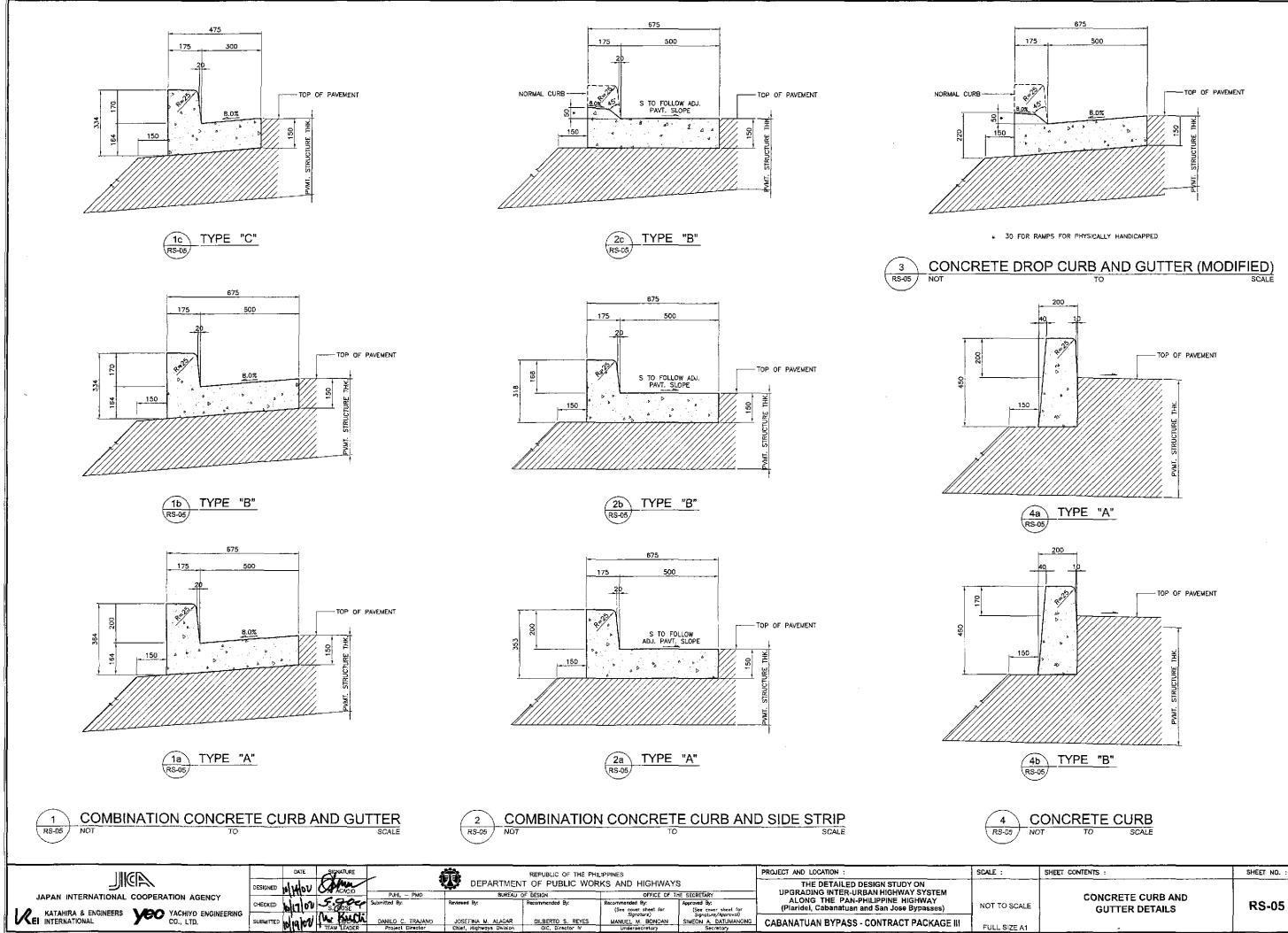


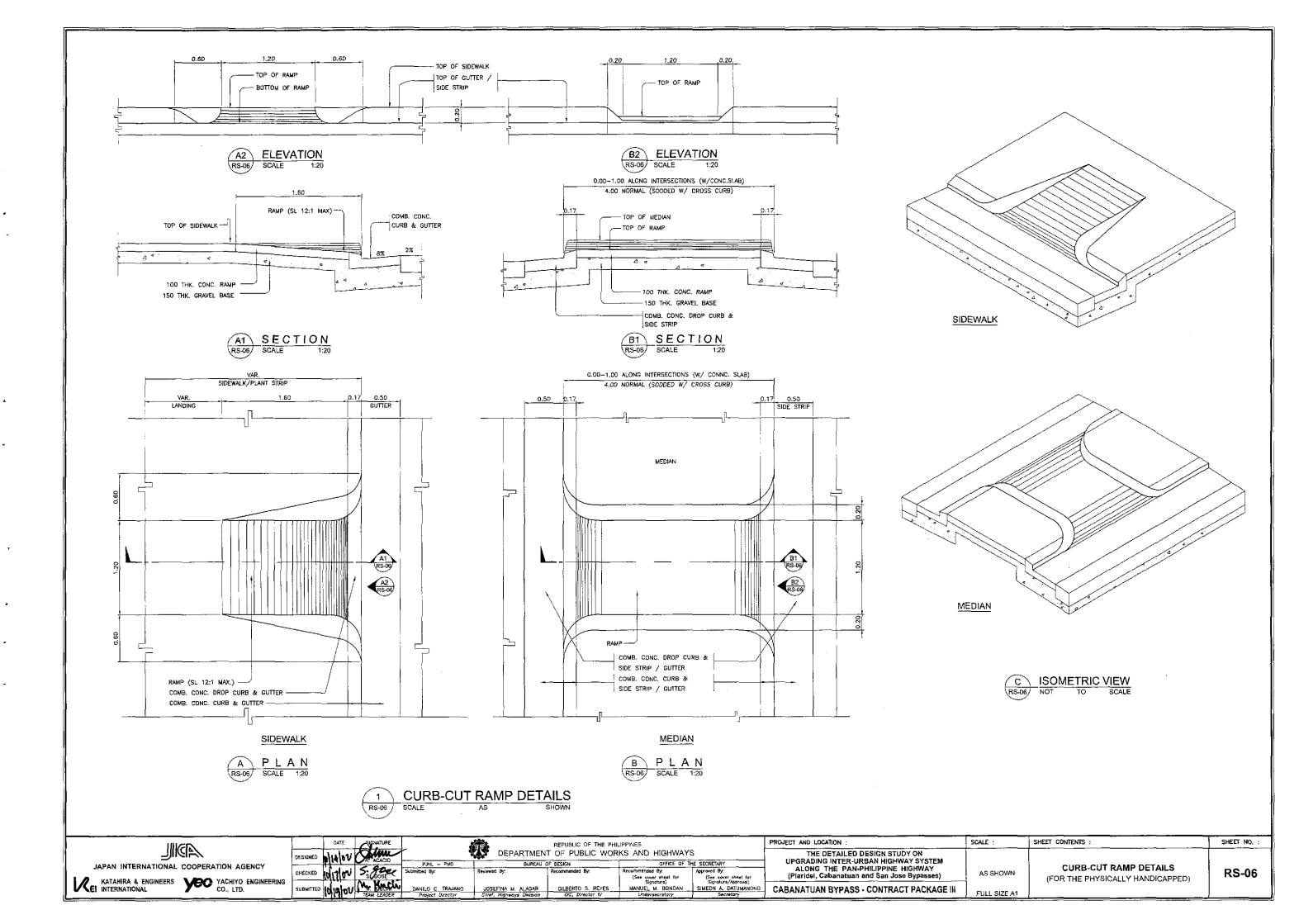
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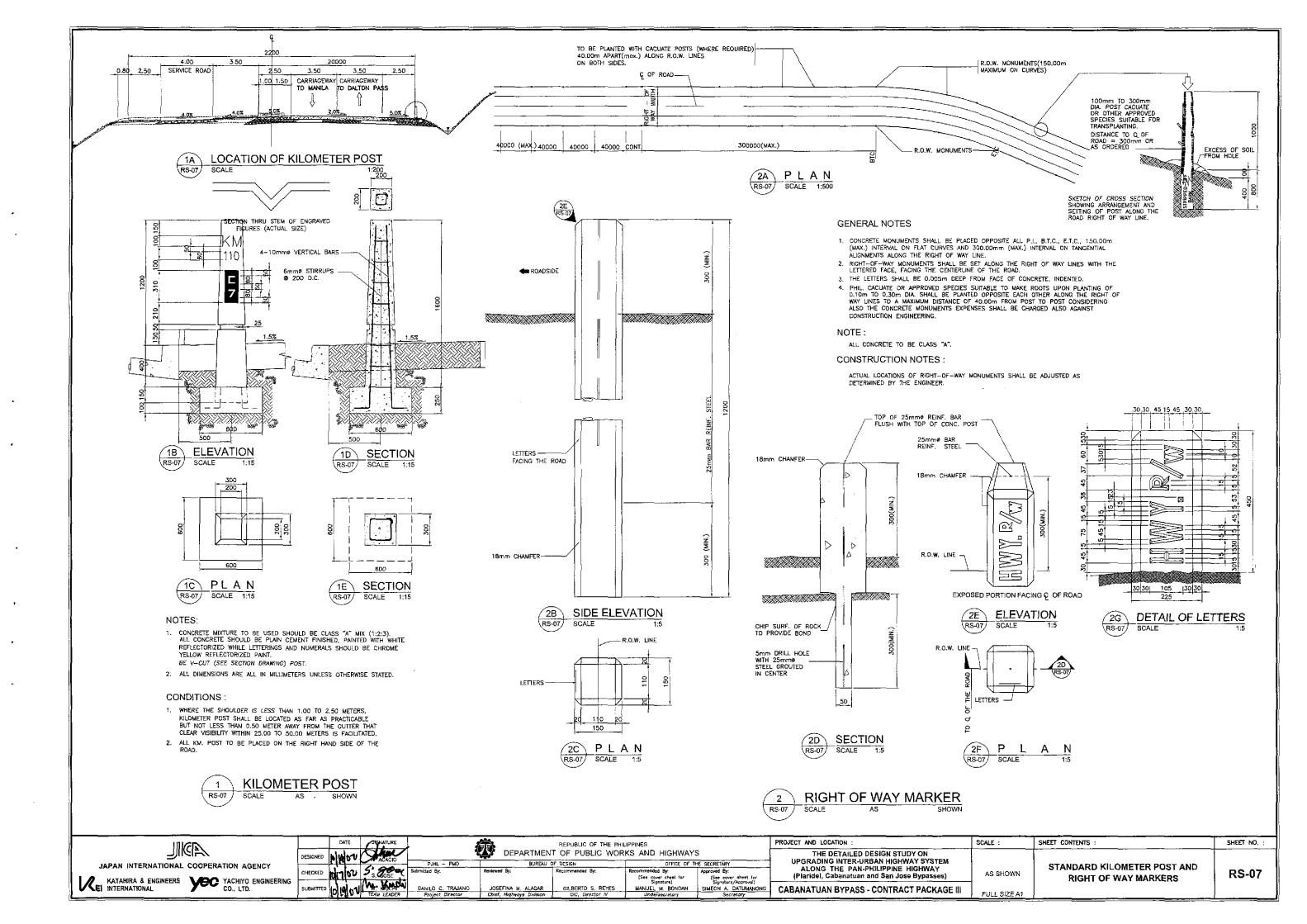
ALE :	SHEET CONTENTS :	SHEET NO. :
DT TO SCALE	GEOMETRIC DESIGN STANDARD - 3 SUPERELEVATION ATTAINMENT/ DETAILS DIAGRAMATIC PROFILES/ SECTIONS	RS-03
ULL SIZE A1		

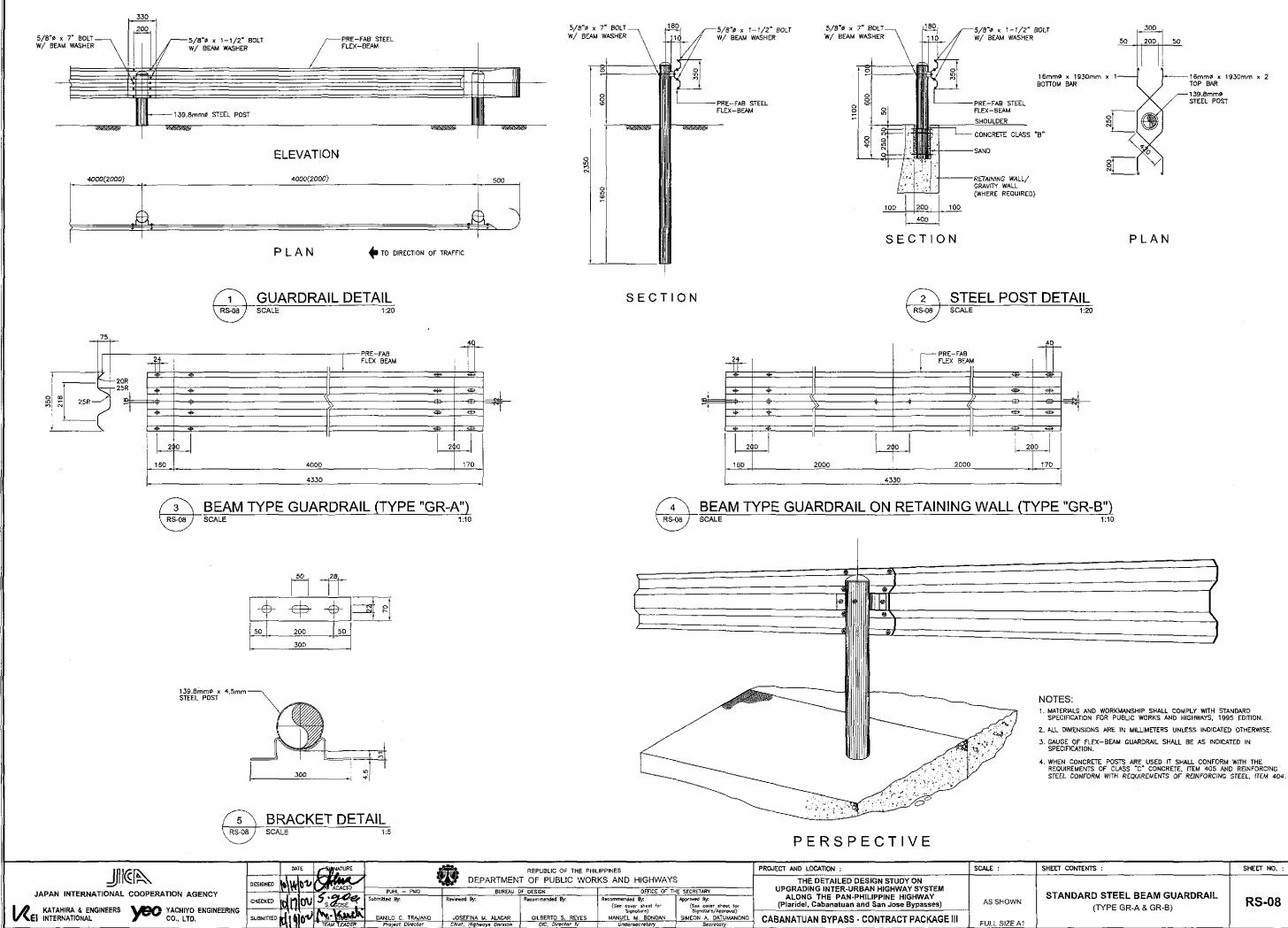


SIZE A1	

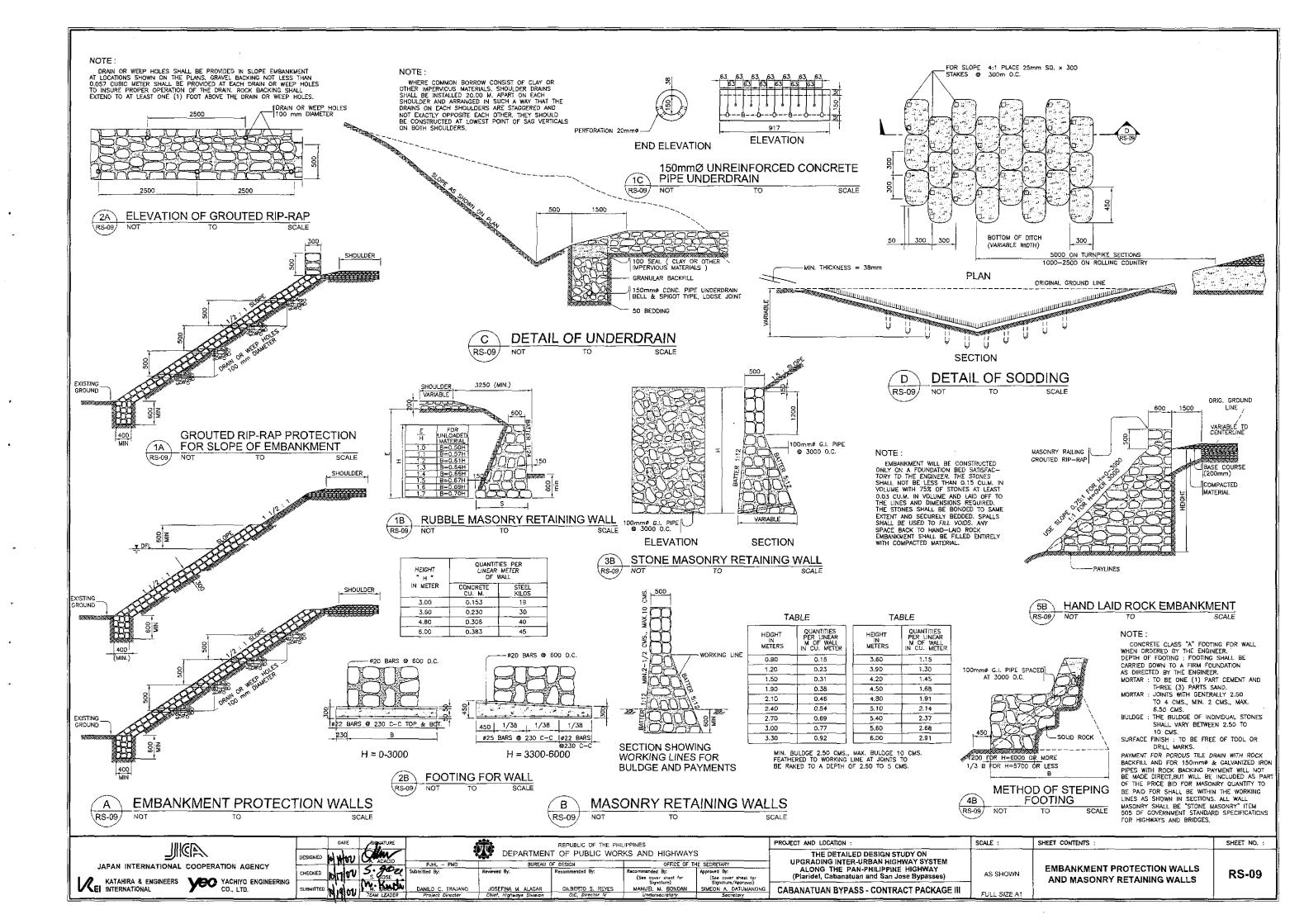


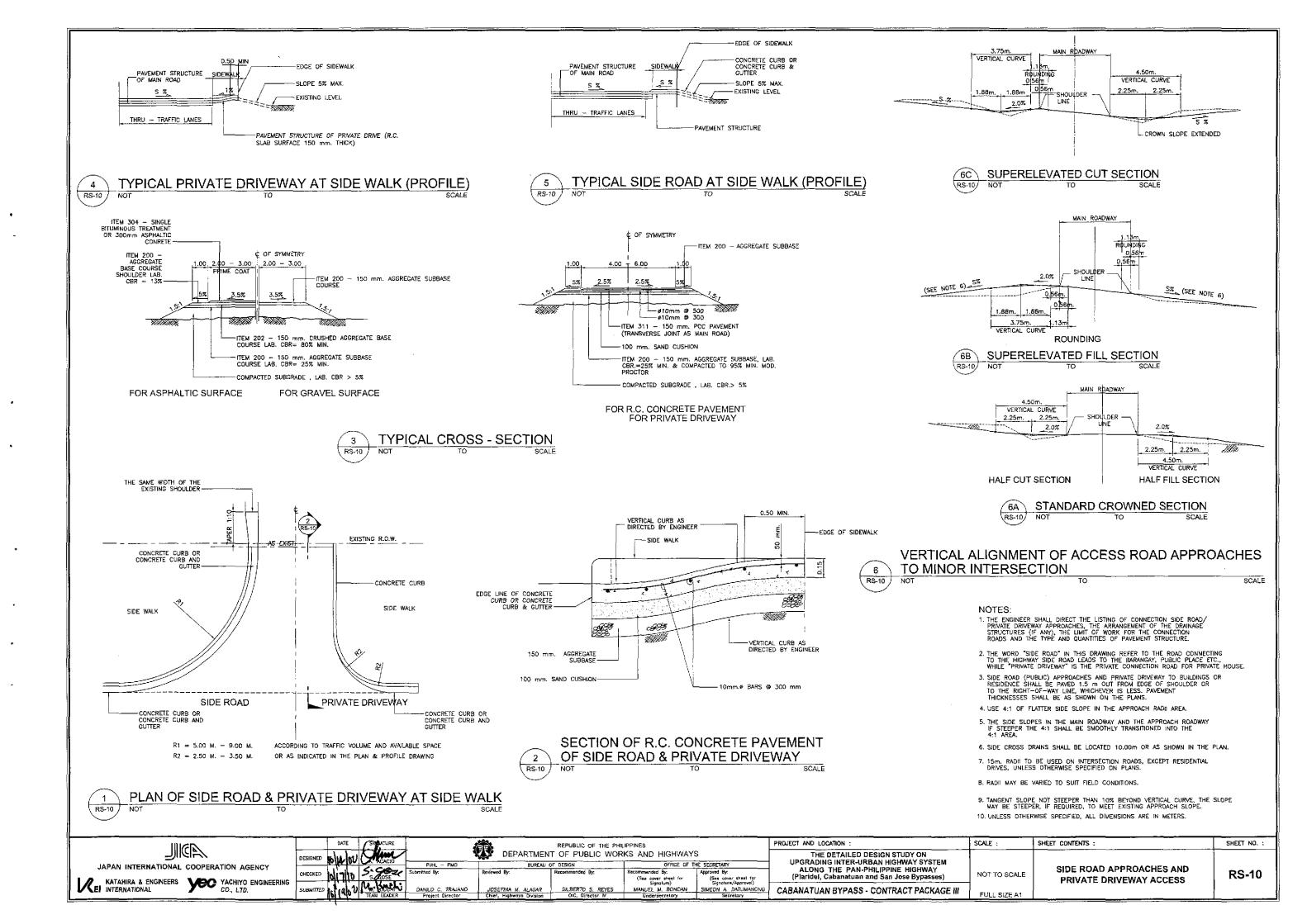


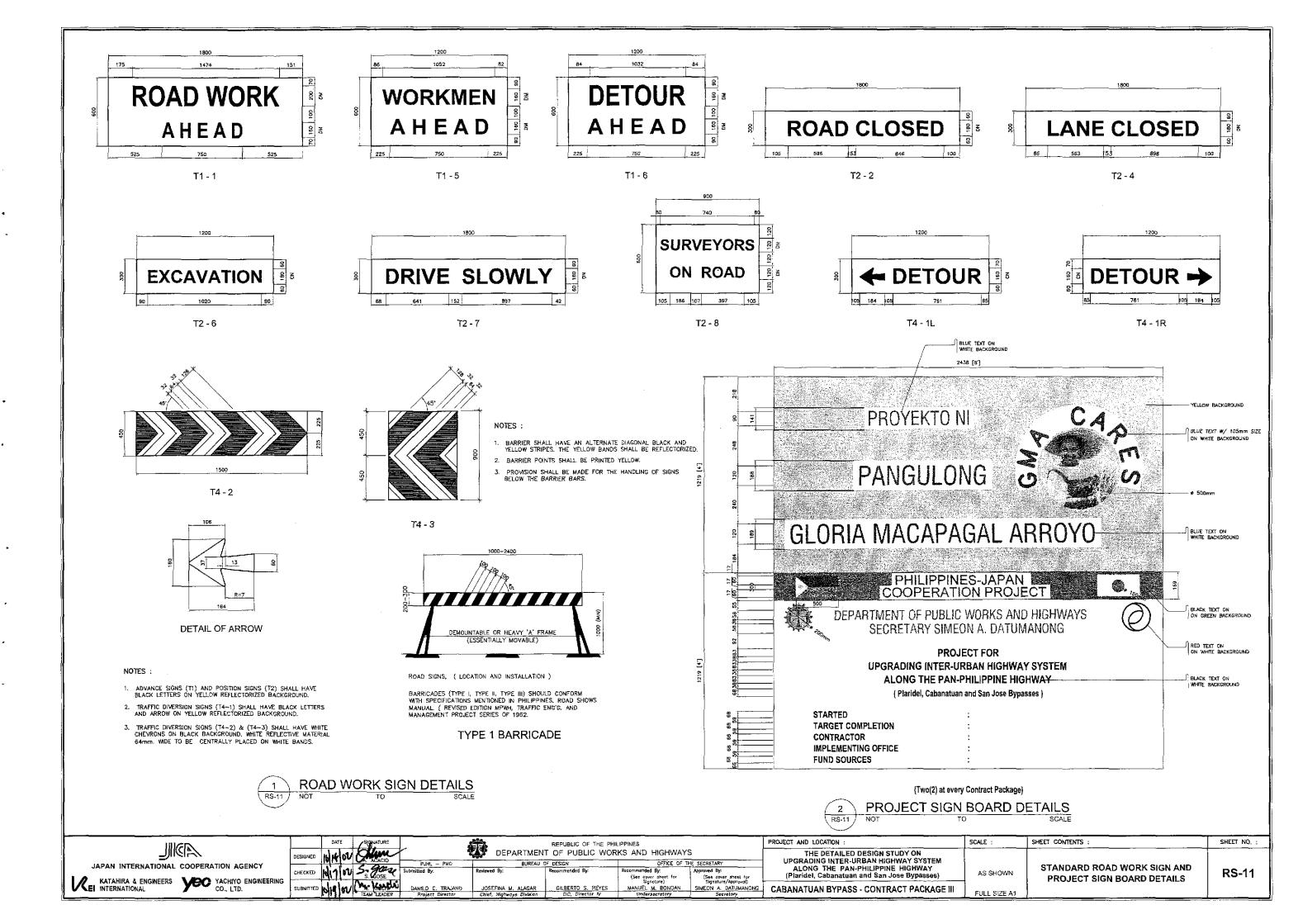


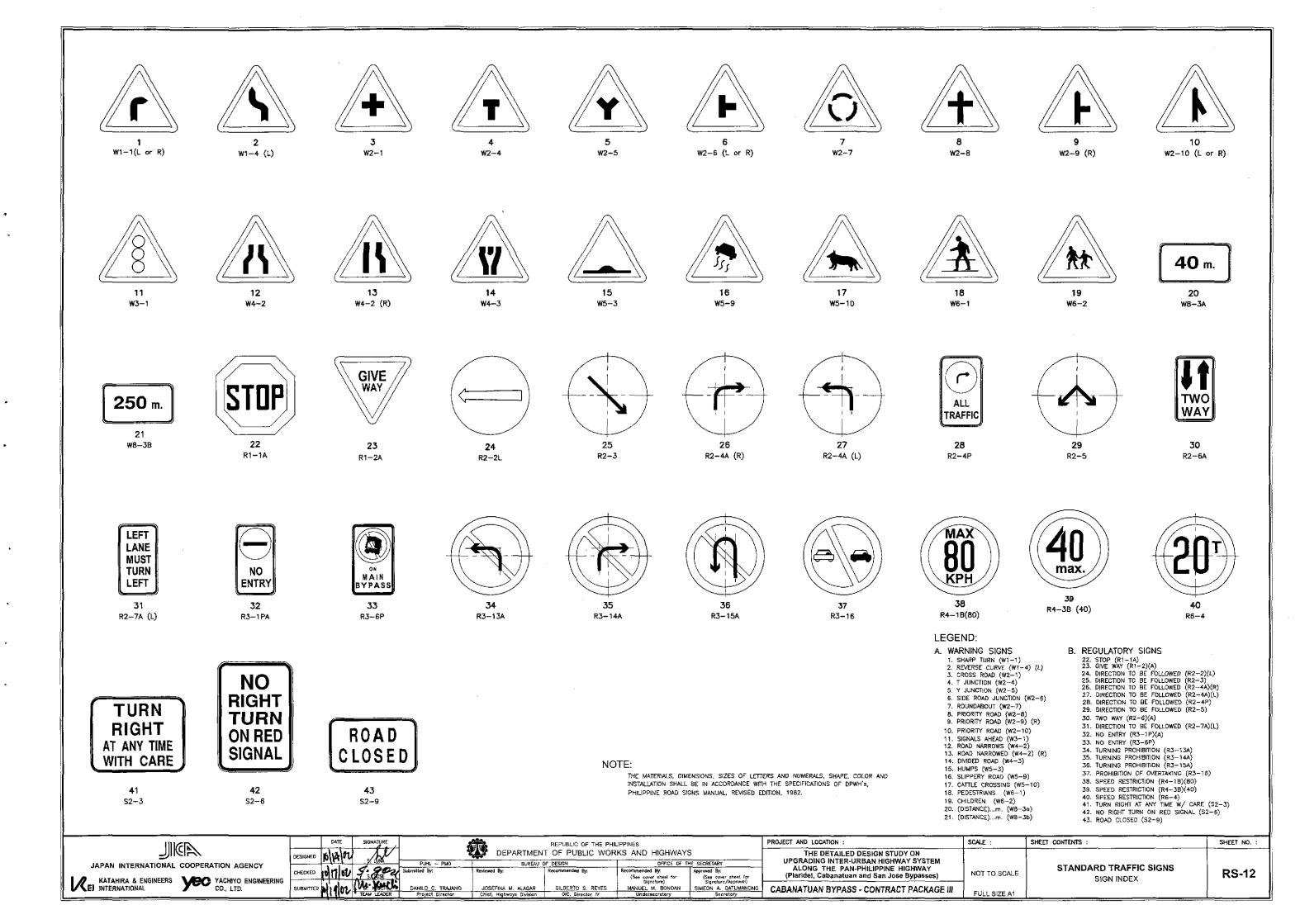


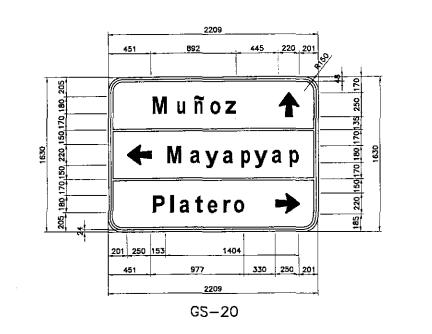
LE :	SHEET CONTENTS :	SHEET NO. :
SHOWN	STANDARD STEEL BEAM GUARDRAIL (TYPE GR-A & GR-B)	RS-08
JLL SIZE A1	<u> </u>	

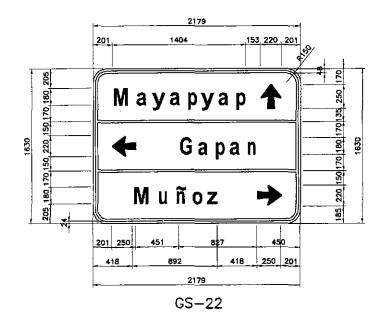


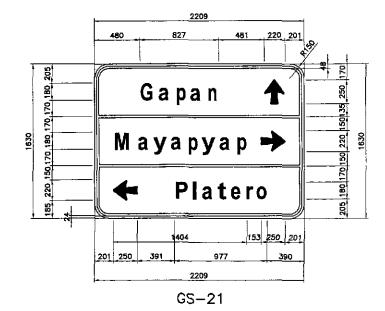


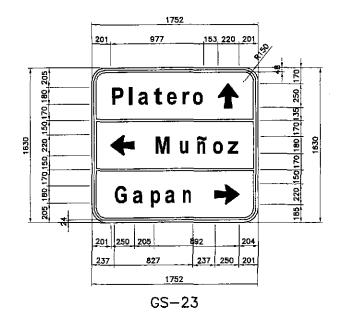




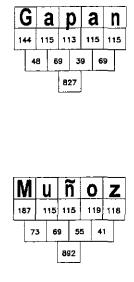


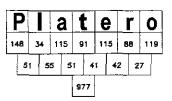






JIKER		DATE	SIGNATURE			REPUBLIC OF THE PH			PROJECT AND LOCATION :	SCALE :	SHEET CONTENTS :	Sheet NO. :
JAPAN INTERNATIONAL COOPERATION AGENCY	DESIGNED	14/02	Soul S. UNA	PJHL - PMD Submitted By:	BUREAL		RKS AND HIGHWAY	S HE SECRETARY	THE DETAILED DESIGN STUDY ON UPGRADING INTER-URBAN HIGHWAY SYSTEM ALONG THE PAN-PHILIPPINE HIGHWAY		ADVANCED DIRECTION	D0 42
KATAHIRA & ENGINEERS VEO YACHIYO ENGINEERING	CHECKED SUBMITTED	10/11/07 10/alon	Di Aliz M. Katichini	DANILO C. TRAJANO	JOSEFINA M. ALAGAR	CILBERTO S. REYES	(See cover sheet for Signature) MANUEL M. BONDAN	(See cover shoet for Signature/Approval) SIMEON A_DATUMANONG	(Plaridel, Cabanatuan and San Jose Bypasses) CABANATUAN BYPASS - CONTRACT PACKAGE III	AS SHOWN	SIGN DETAILS	RS-13
	<u> </u>	14	TEAM LEADER	Project Oirector	Chief, Highways Division	OIC, Director N	Undersecretory	Secretory		FULL SIZE A1	<u> </u>	





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							140	34			_				•

## ROADSIDE SIGNS - MOUNTING SELECTION TABLE

SIGN SIZE WIDTH × DEPTH (mm)	NUMBER AND DIAMETER (mm) OF GALVANIZED PIPE POSTS
1200 x 600	2 x 65
1800 × 600	2 x 65
1800 × 1200	2 × 100
24D0 x 600	2 x 100
2400 x 1200	2 x 125
2400 x 1800	2 x 125
3000 x 600	2 x 100
3000 x 1200	2 x 125
3D00 x 1800	2 x 150
3000 × 240D	2 x 150
3700 x 600	2 x 100
3700 x 1200	2 × 125
3700 x 1800	2 x 150
3700 x 2400	3 x 150
4300 x 600	2 x 100
4300 x 1200	2 × 125
4300 × 1800	3 x 150
4900 x 600	3 x 100
4900 x 1200	3 x 125
4900 x 1800	3 x 150
5500 × 600	3 x 100
5500 x 1200	
5500 x 1800	3 x 150
6100 x 600	3 x 100
6100 x 1200	3 x 125
6100 x 1800	3 x 150

FOR INTERMEDIATE SIGN SIZES :

(a.) TAKE DIMENSIONS OF SIGN TO NEAREST 300mm.

(b.) FOR AN ODD DIMENSION TAKE THE NEAREST EVEN HIGHER DIMENSION IN TABLE E.G.:

NOTES:

1. THIS TABLE GIVES NUMBER AND SIZE OF GALVANIZED PIPE POSTS REQUIRED FOR SIGN SIZES SHOWN. ASSUMING UNDERSIDE OF SIGN IS 2.0m CLEAR ABOVE ROAD PAVEMENT. FOR SIGNS WITH CLEARANCES GREATER THAN 2.0m THE WIDTH USED IN THIS TABLE SHOULD BE THE ACTUAL WIDTH INCREASED BY A PERCENTAGE EQUAL TO THE PERCENTAGE INCREASE IN HEIGHT ABOVE 2.0m.

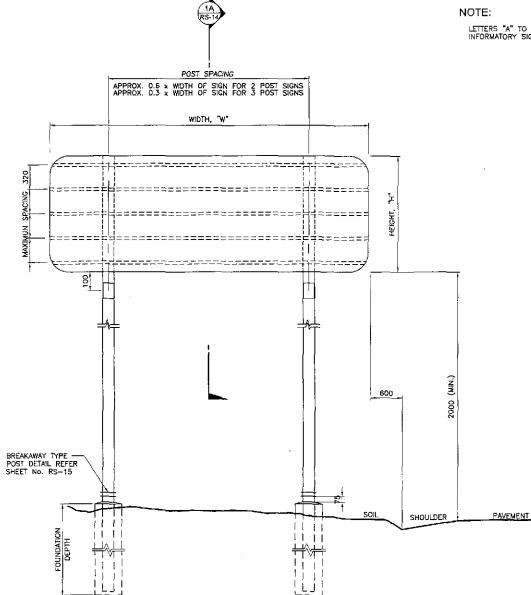
ABOVE 2.0m. 2. 12mm DIAMETER CADIUM – PLATED BOLTS, NUTS AND WASHERS SHALL BE USED FOR ATTACHING SIGN TO POSTS. 3. TOP OF PIPE TO BE SUITABLY CAPPED AND PIPE BASES SHALL BE SEALED AGAINST MOISTURE.

4. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE INDICATED.

### SIGN POST FOUNDATION TABLE

POST PROFILE \$ (mm)	FOUNDATION DIAMETER (mm)	FOUNDATION DEPTH (mm)
<u>&lt;</u> 100	400	1000
125	425	1200
150	450	1500

	H <b>≥ 300</b>	H ≦ 1500	ਸ ≦ 2100	H > 2100
W≦ 2100	A	в	B	-
w≦ 2700	В	с	c	
w≦ 3350	8	с	D	D
w≦ 4000	в	c	D	G
₩≦ 4600	В	с	G	G
₩≧ 4600	E	F	G	G

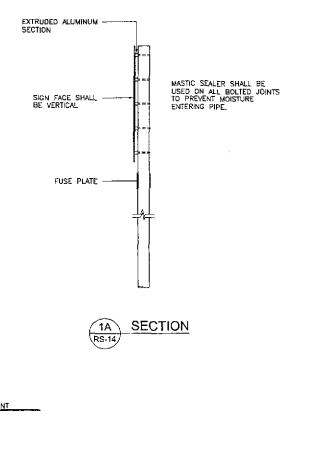


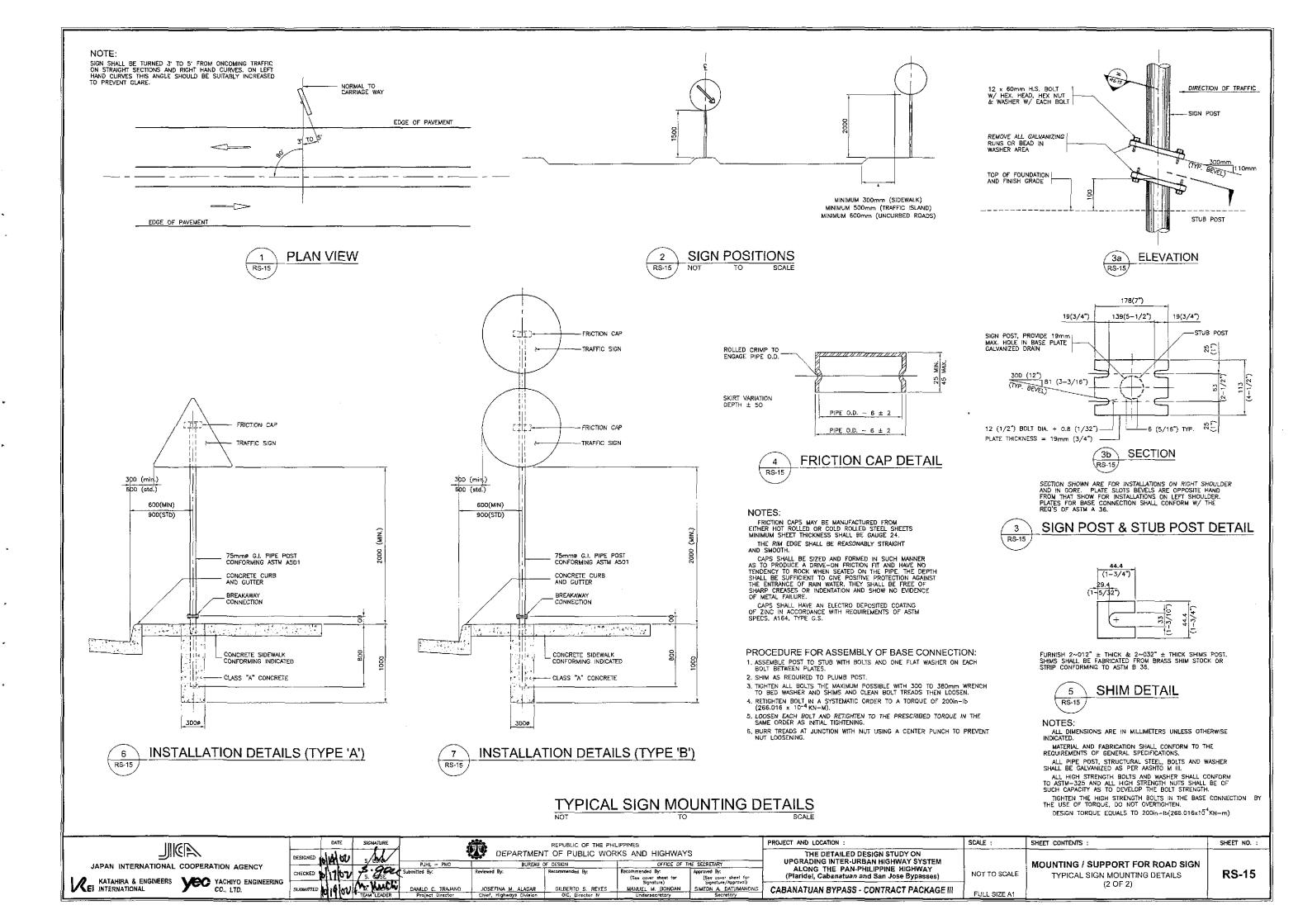


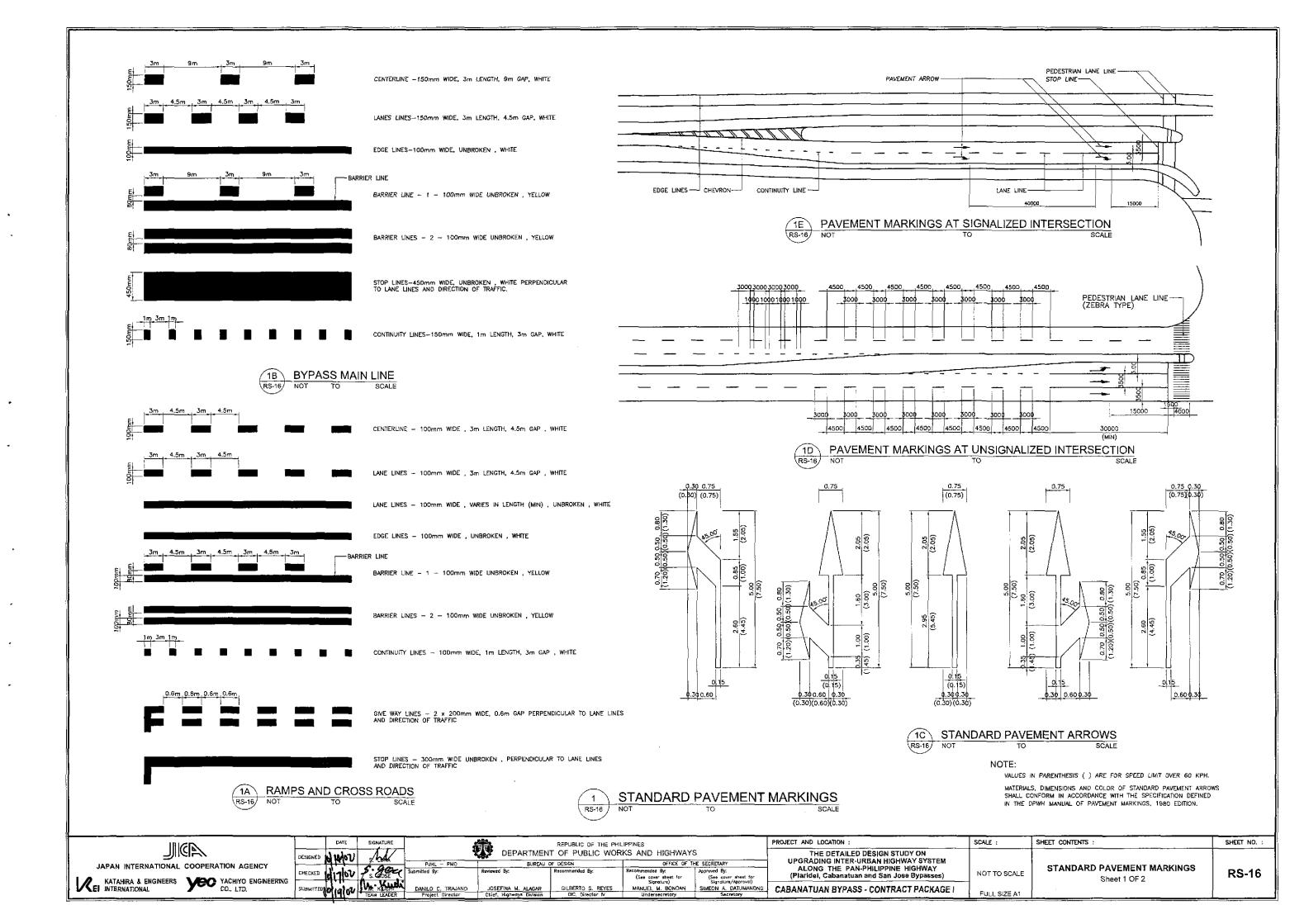
		DATE	SIGNATURE		<b>*</b>	REPUBLIC OF THE PH			PROJECT AND LOCATION :	SCALE :	SHEET CONTENTS :	SHEET NO. :
	DESIGNED	94100		PJHL - PMO	1-2-4	IT OF PUBLIC WOR	RKS AND HIGHWAY	S THE SECRETARY	THE DETAILED DESIGN STUDY ON UPGRADING INTER-URBAN HIGHWAY SYSTEM		MOUNTING/SUPPORT FOR ROAD SIGN	
	CHECKED	01707	S. Gar	Submitted By:	Reviewed By:	Recommended By:	Recommended By: (See cover sheat for Signature)	Approved By: (See cover sheet for Signature/Approval)	ALONG THE PAN-PHILIPPINE HIGHWAY (Plaridel, Cabanatuan and San Jose Bypasses)	NOT TO SCALE	TYPICAL SIGN MOUNTING DETAILS	RS-14
KATAHIRA & ENGINEERS YEE YACHIYO ENGINEERING CO., LTD.	SUBMITTED	0 1900 6	TEAN LEADER	DANILO C. TRAJANG Project Director	JOSEFINA M. ALAGAR Chief, Highways Division	GILBERTO S. REYES			CABANATUAN BYPASS - CONTRACT PACKAGE III	FULL SIZE A1	(1 OF 2)	

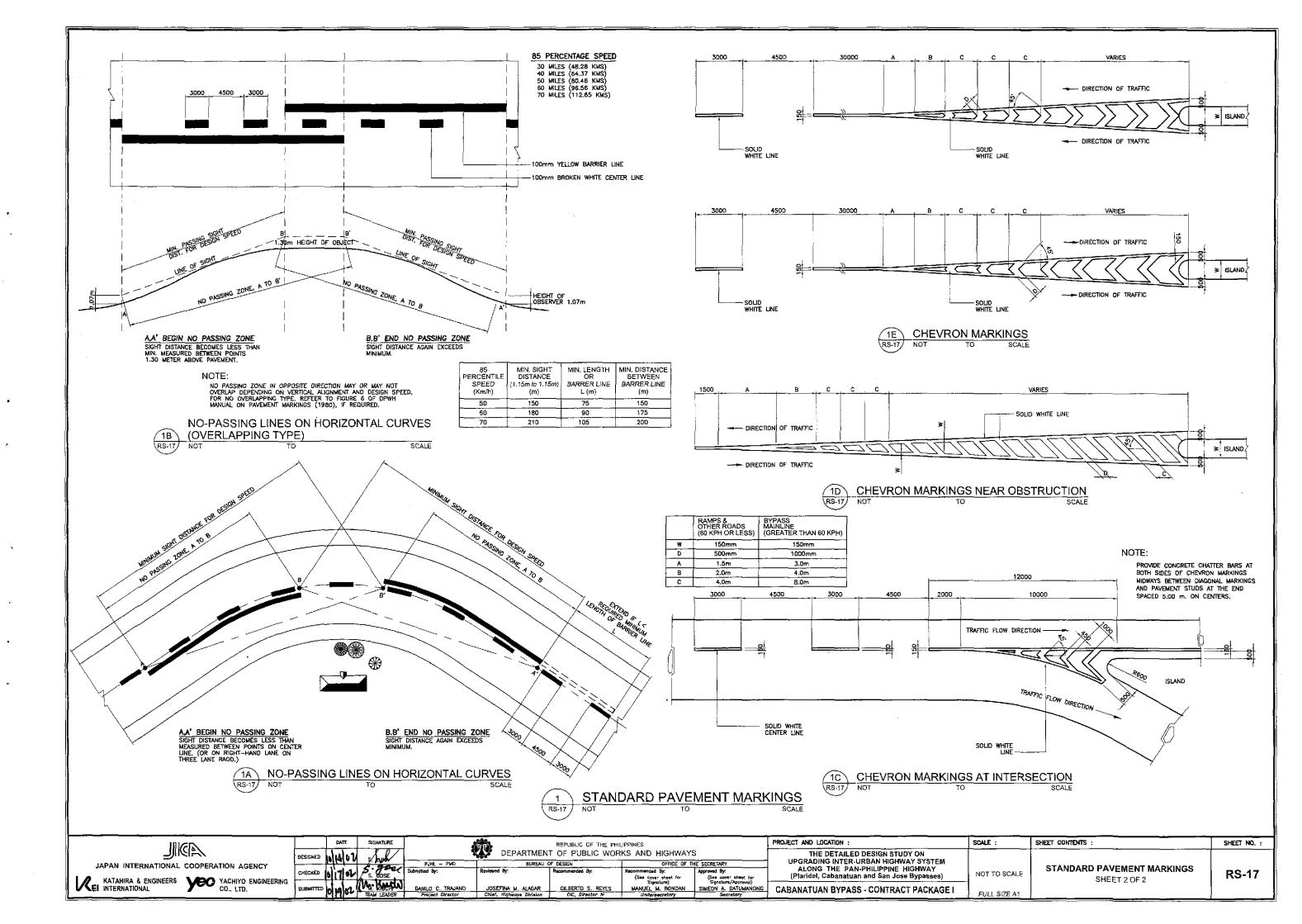
# CLASSIFICATION FOR INFORMATORY SIGN

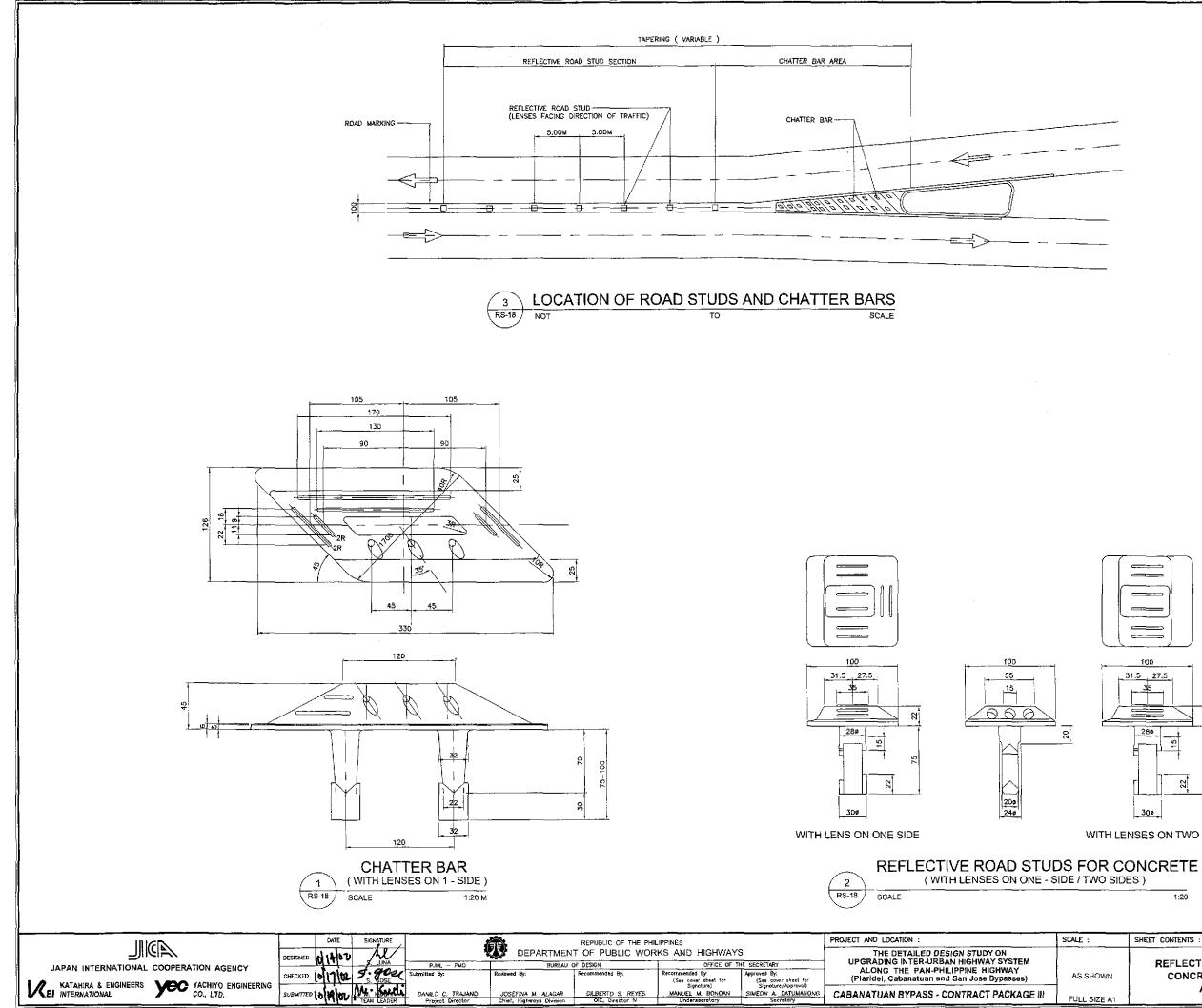
LETTERS "A" TO "G" INDICATES THE SIZE CLASSIFICATION FOR INFORMATORY SIGNS SCHEDULE.











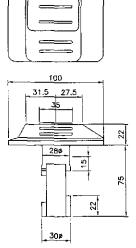
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SHEET NO. :

1:20

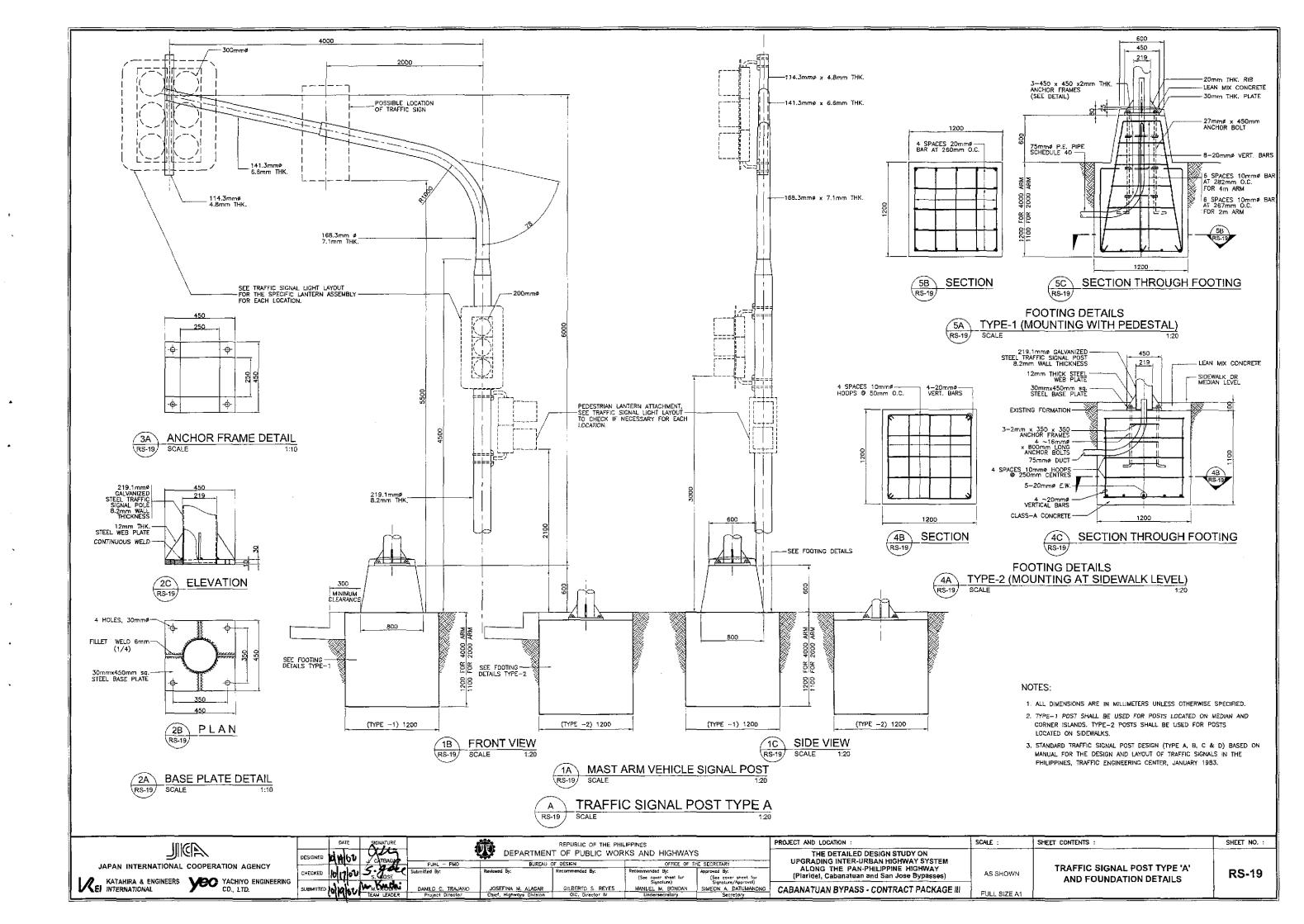
SHEET CONTENTS :

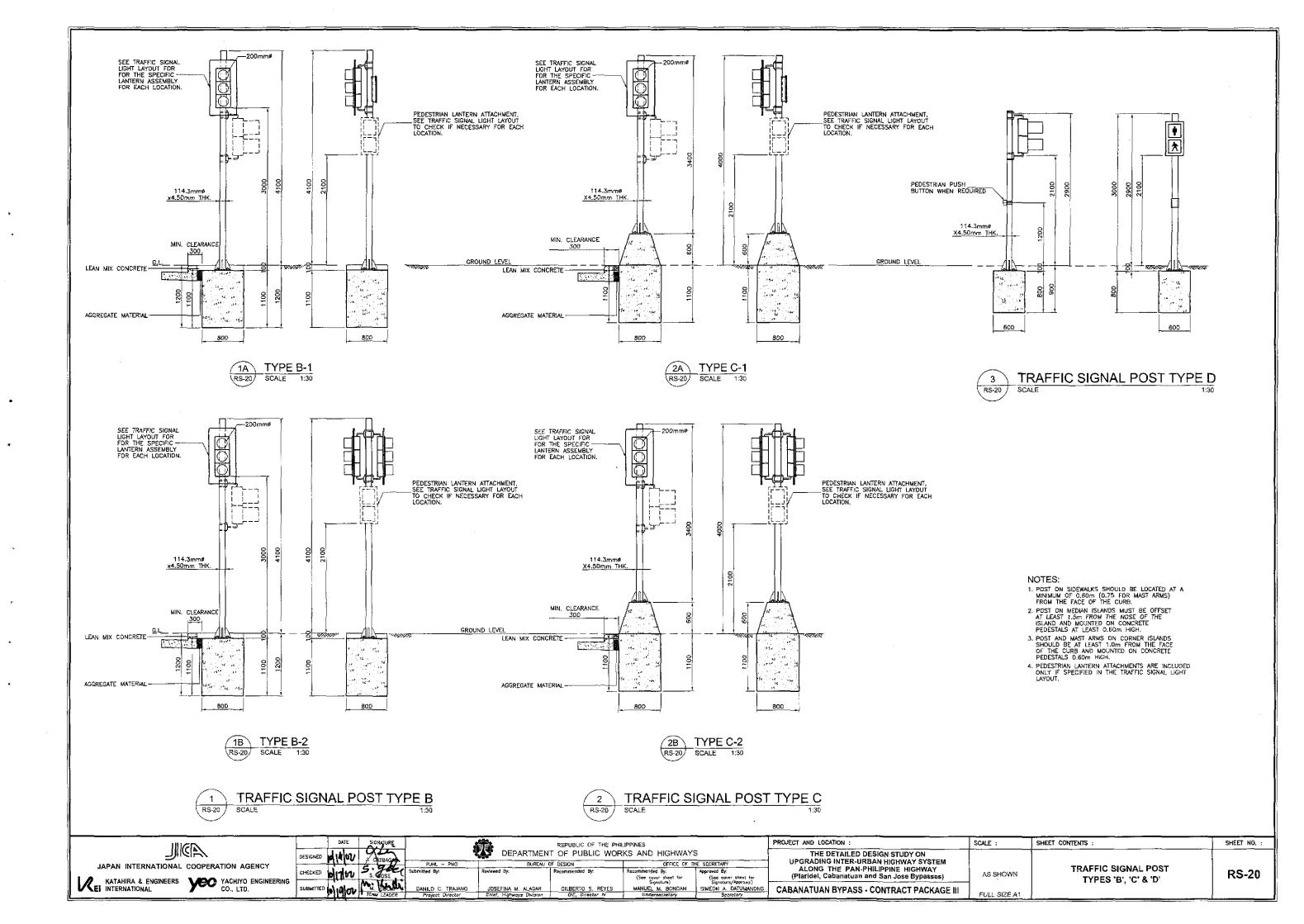
WITH LENSES ON TWO SIDES

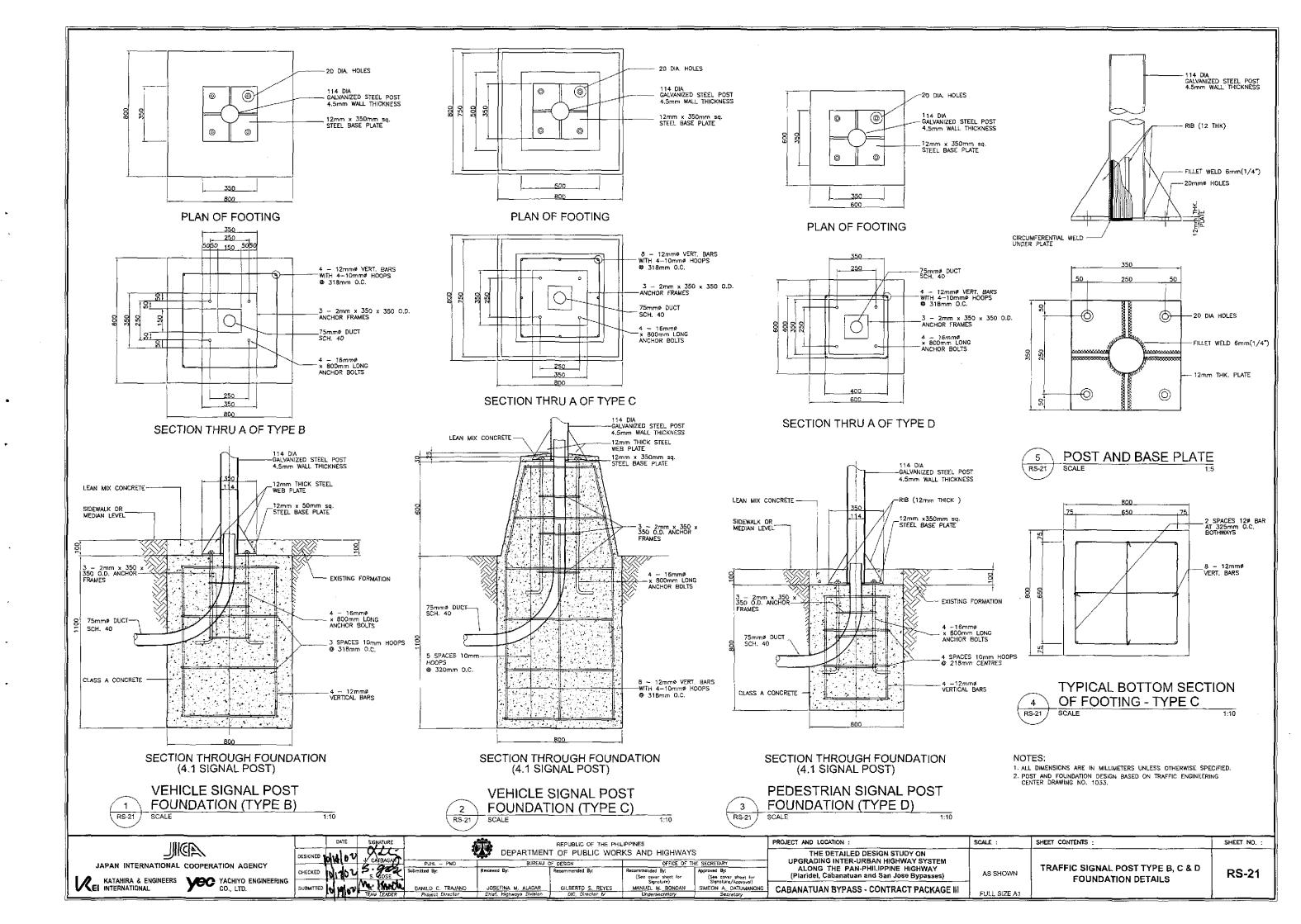


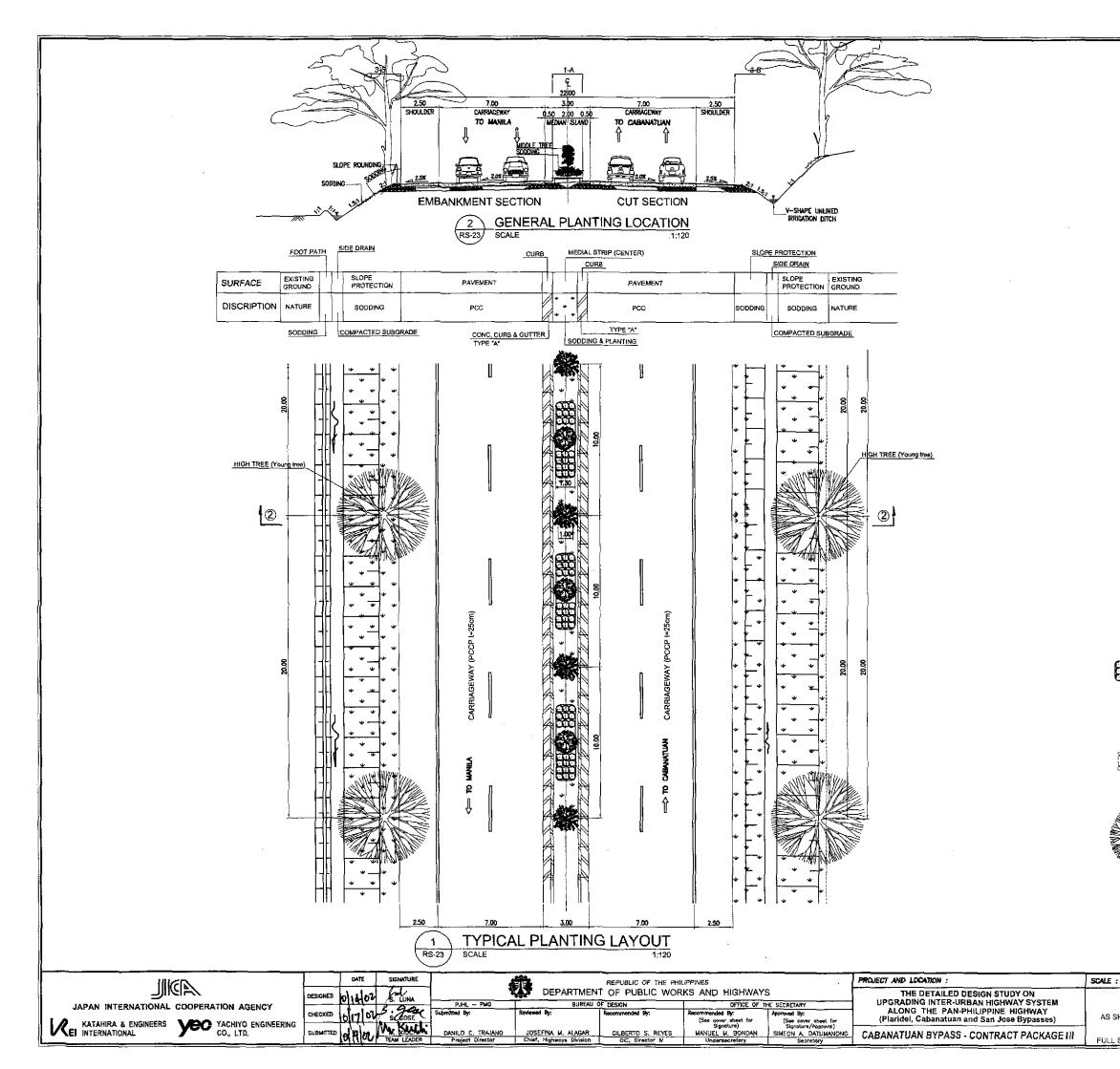
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SCALE :	SHEET CONTENTS :	SHEET NO. :
AS SHOWN	TYPICAL PLANTING LAYOUT (ULTIMATE STAGE)	RS-22
FULL SIZE A1		



HIGH TREE (INITIAL STAGE PLANTING)



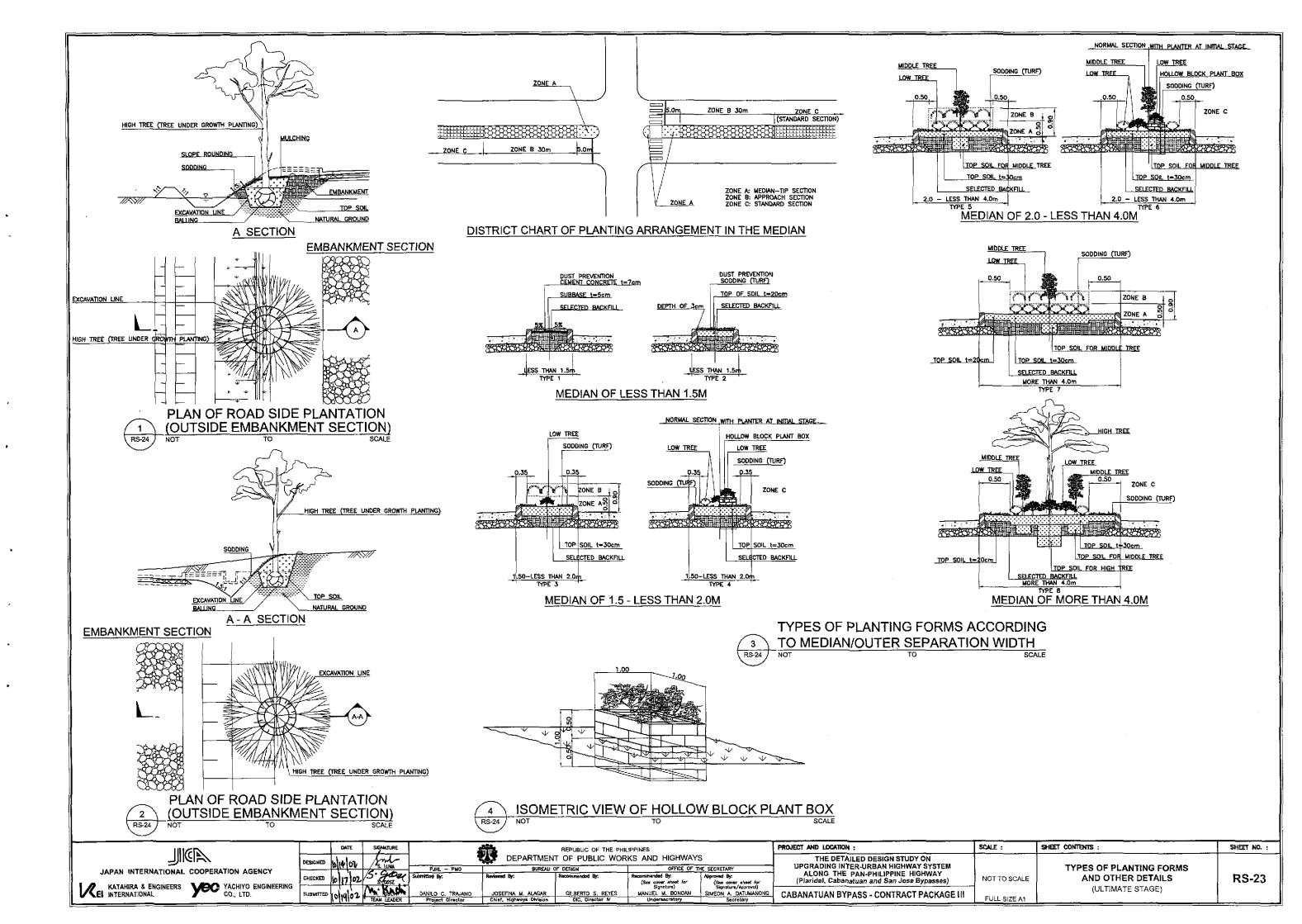


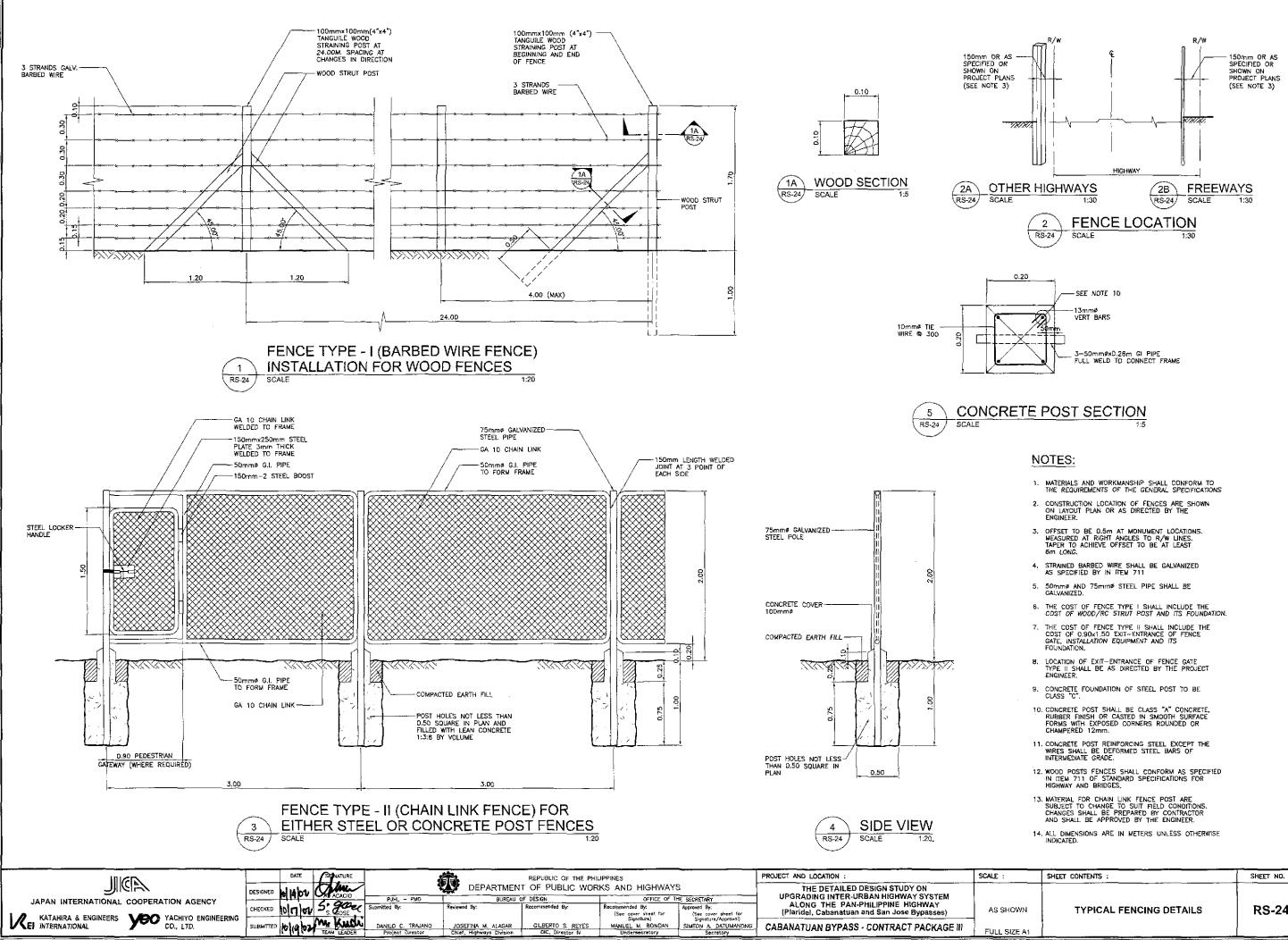
MIDDLE TREE

SODDING (TURF)

Q.Y MIDDLE TREE

LOW TREES





AS SHOWN TYPICAL FENCING DETAILS RS-2	LE :	SHEET CONTENTS :	SHEET NO. :
JLL SIZE A1		TYPICAL FENCING DETAILS	RS-24