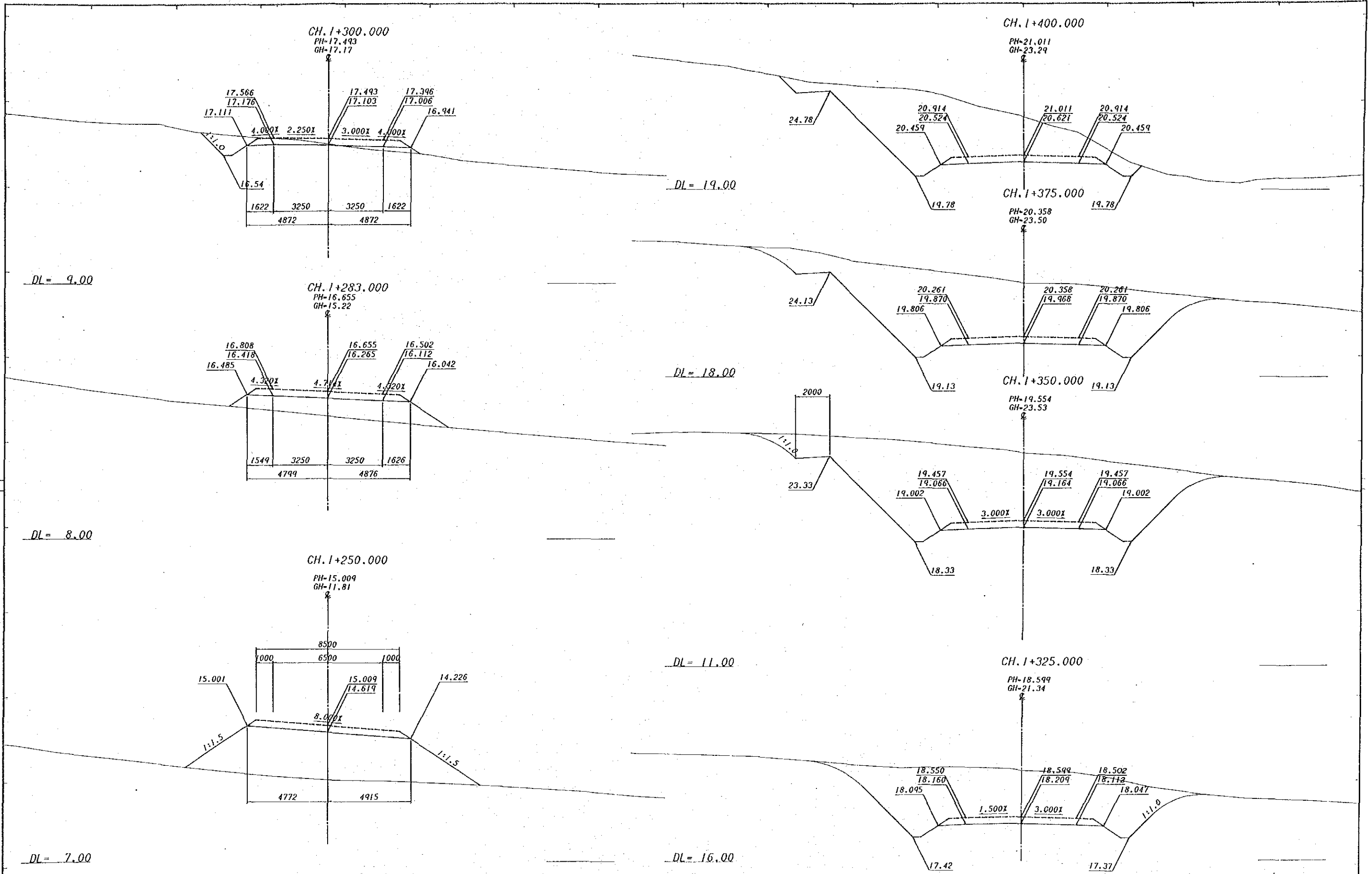
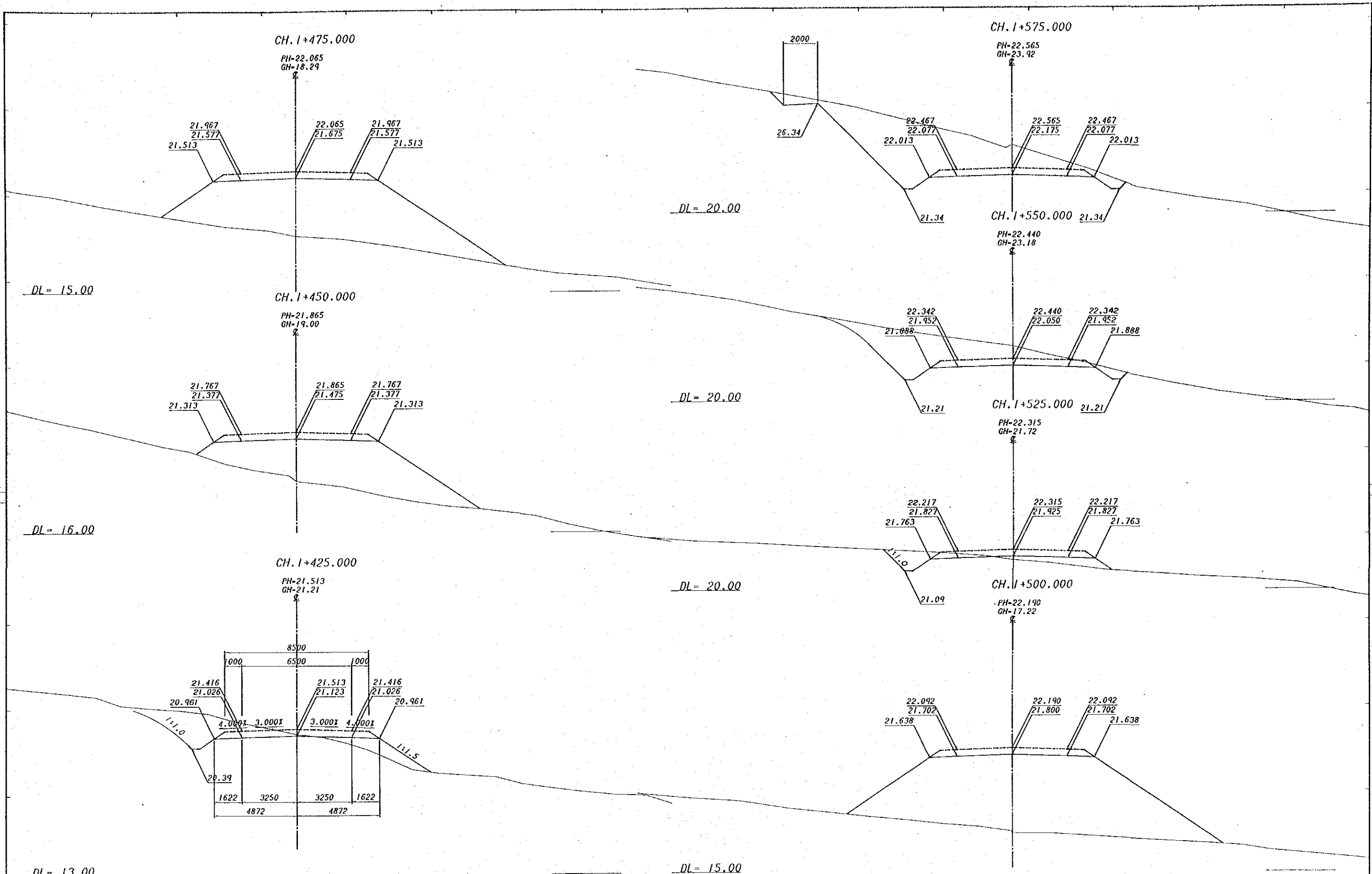


JICA SURVEY Date VERTICAL DATUM MEAN SEA LEVEL HORIZONTAL DATUM SURVEY BOOK NO.		JAPAN INTERNATIONAL CO-OPERATION AGENCY DESIGN Date Principal		DRAWN K.E. CHECKED DESIGNED CHECKED		RECOMMENDED PROJECT ENGINEER APPROVED PRINCIPAL ENGINEER SECRETARY		SCALES HORIZONTAL & VERTICAL m. 1 : 100 SHEET 90 OF 281 PROJECT No. S.C.120-33-814/A		CENTRAL / GULF PROVINCES TRANS-ISLAND HIGHWAY BEREINA-MALALUA SECTION CROSS SECTIONS CH. 0 + 800 — CH. 1 + 200 PAPUA NEW GUINEA DEPARTMENT OF WORKS DRAWING No. A1/ 87848	
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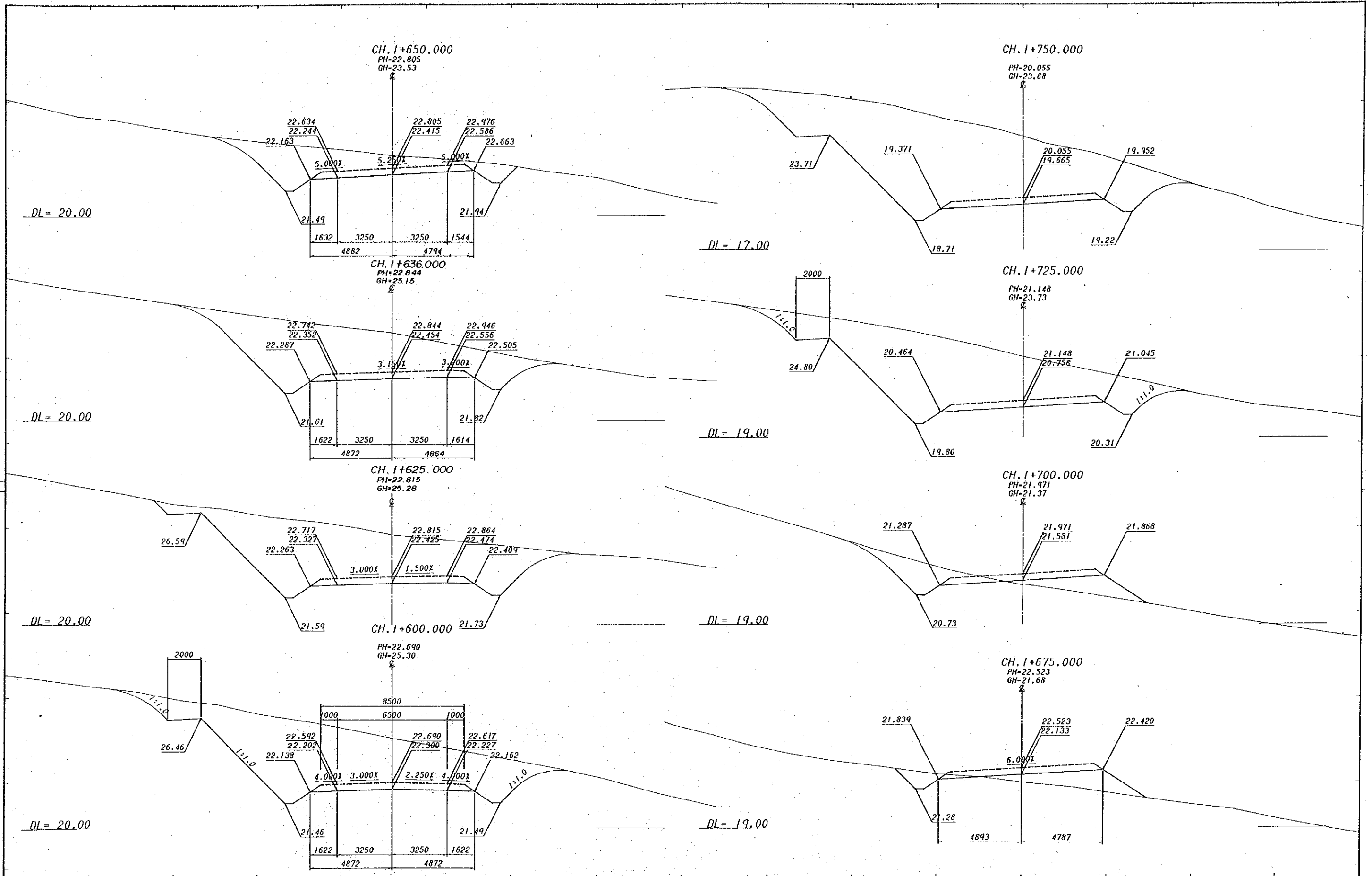


JICA Date: _____ VERTICAL DATUM: MEAN SEA LEVEL HORIZONTAL DATUM: _____ SURVEY BOOK NO. _____		DESIGN JAPAN INTERNATIONAL CO-OPERATION AGENCY Principal: <i>J. Yabuta</i> Date: 25 Sep. 1989		DRAWN K.E. Checked: <i>C.A.</i> Designed: <i>A. M. J. A. K.</i> Checked: <i>Z. K.</i>		RECOMMENDED <i>K. K.</i> PROJECT ENGINEER <i>A. W.</i> EXECUTIVE ENGINEER <i>H. W.</i> PRINCIPAL ENGINEER APPROVED: <i>A. S.</i> 24. 10. 89 <i>K.S. (79)</i> SECRETARY		SCALES HORIZONTAL & VERTICAL m 1 : 100 SHEET 91 OF 281		CENTRAL / GULF PROVINCES TRANS-ISLAND HIGHWAY BEREINA-MALALUA SECTION CROSS SECTIONS CH. 1 + 250 — CH. 1 + 400 PAPA NEW GUINEA DEPARTMENT OF WORKS		DRAWING No. A1/ 87849
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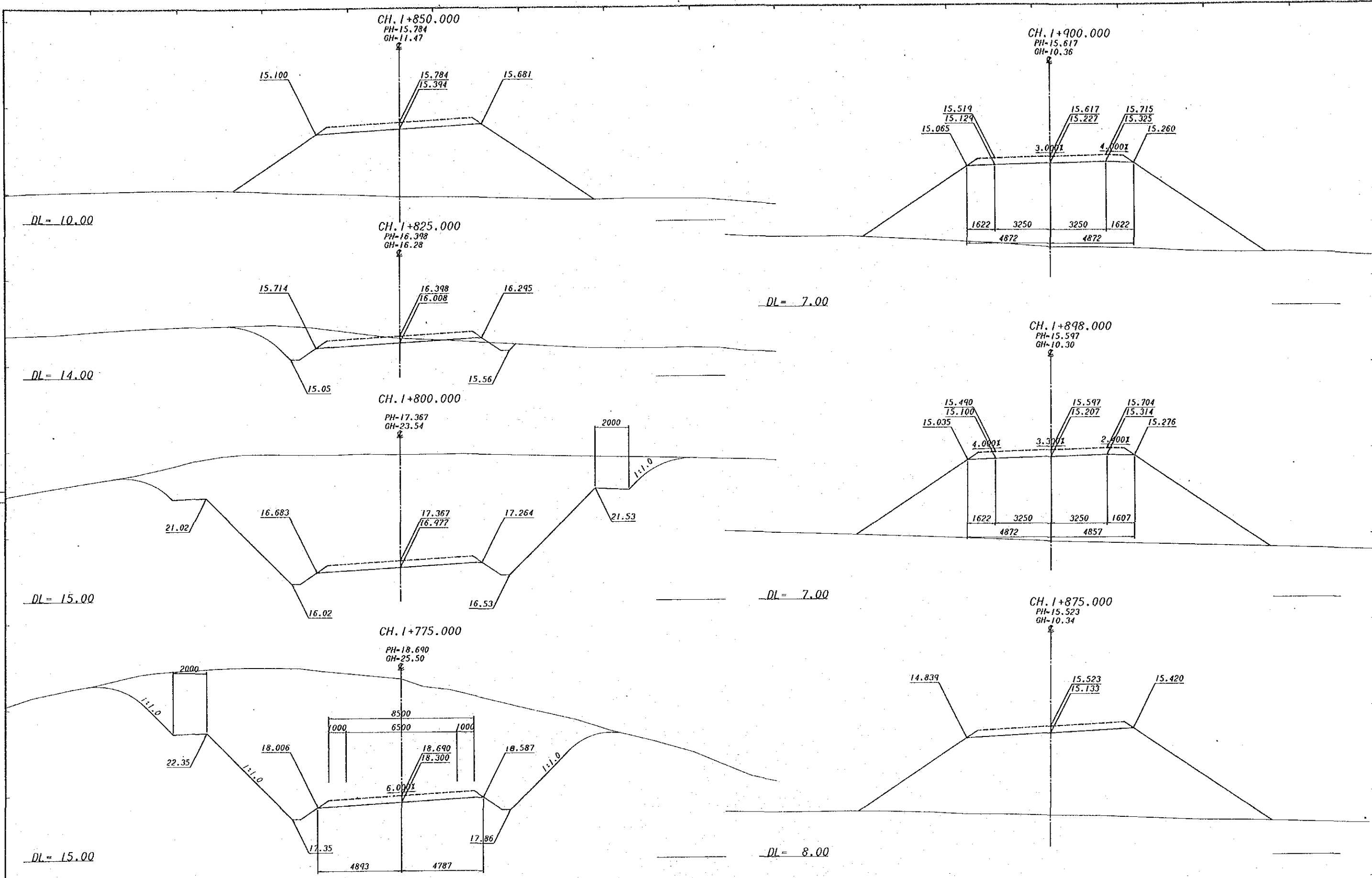
REV.	AMENDMENTS	BY	APP'D	DATE
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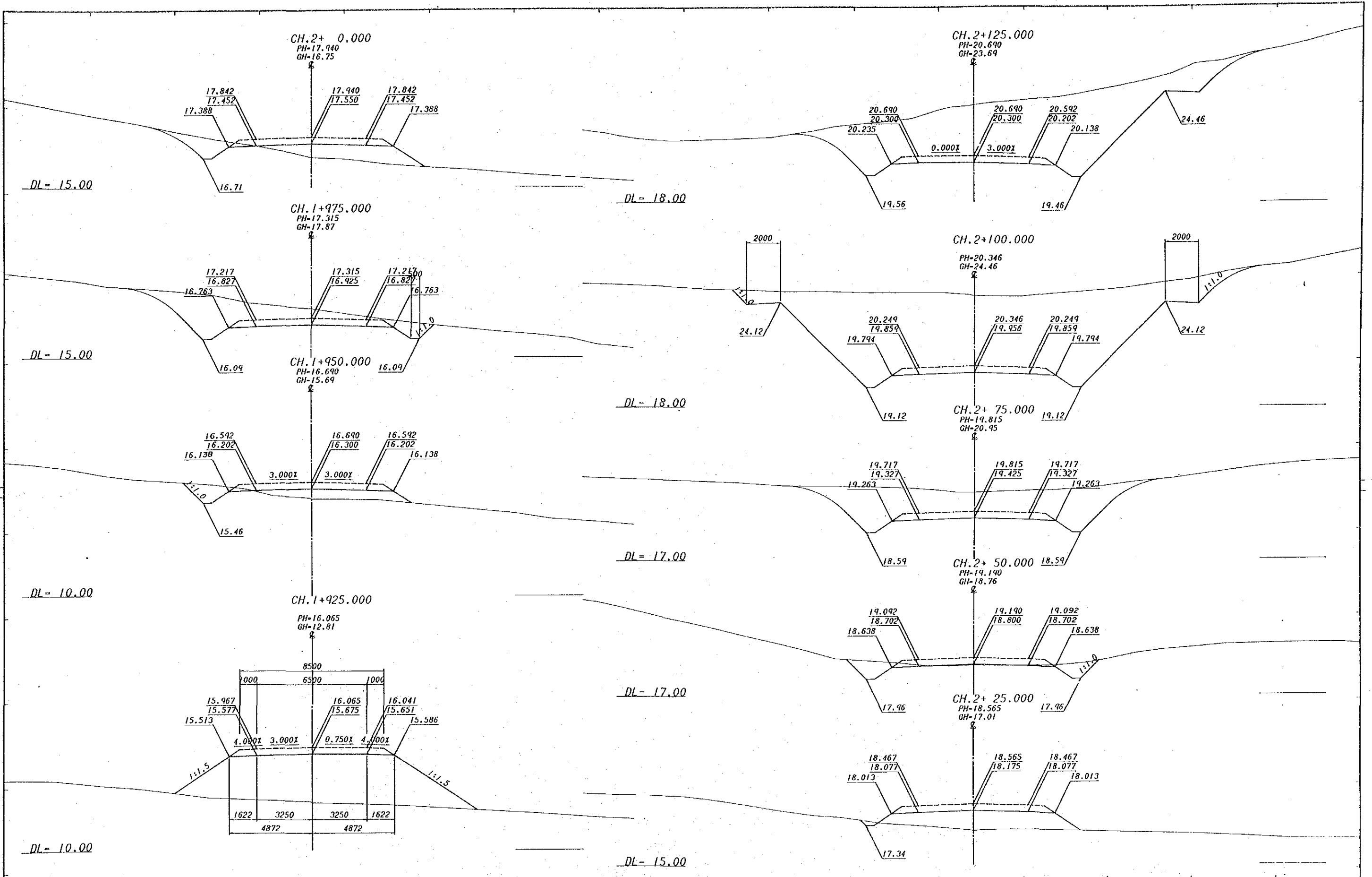
SURVEY JICA Date VERTICAL DATUM MEAN SEA LEVEL HORIZONTAL DATUM SURVEY BOOK No.		DESIGN JAPAN INTERNATIONAL CO-OPERATION AGENCY J. H. K. 25 Sep. 1989 Date		DRAWN K.E. CHECKED G. S. A. DESIGNED A. M. G. A. M. CHECKED J. K.		RECOMMENDED PROJECT ENGINEER PRINCIPAL ENGINEER APPROVED 24.10.89 EXECUTIVE ENGINEER SECRETARY		SCALES HORIZONTAL & VERTICAL m. 1 : 100 SHEET 92 of 281 PROJECT No. S.C. 120-33-814/A		CENTRAL / GULF PROVINCES TRANS-ISLAND HIGHWAY BEREINA-MALALAU SECTION CROSS SECTIONS CH. 1 + 425 — CH. 1 + 575 PAPUA NEW GUINEA DEPARTMENT OF WORKS DRAWING No. A1/ 87850	
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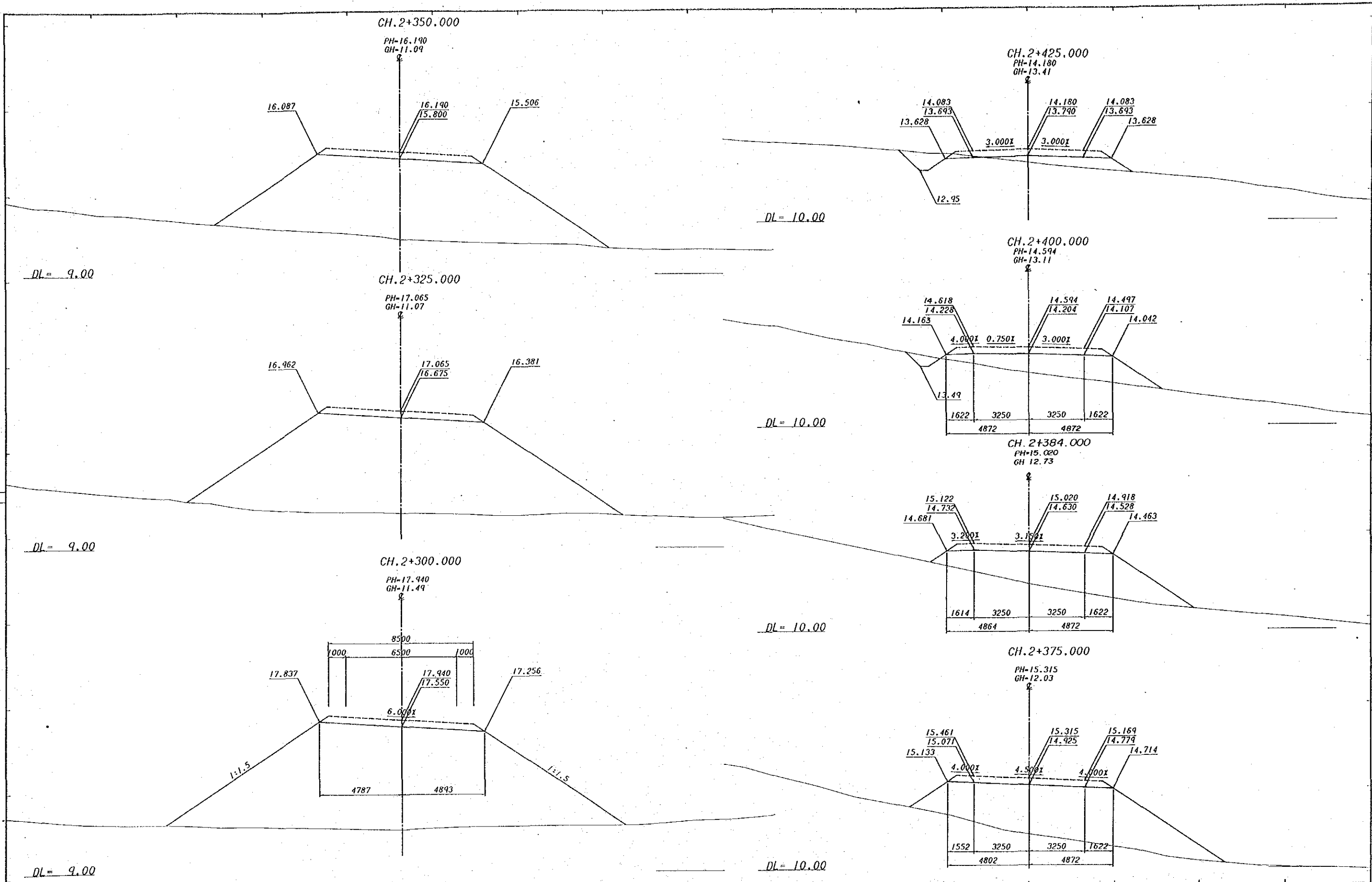
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					JICA	JAPAN INTERNATIONAL CO-OPERATION AGENCY	K.E.	<i>[Signature]</i>		
					VERTICAL DATUM MEAN SEA LEVEL	J. J. [Signature] Principal	PROJECT ENGINEER	PRINCIPAL ENGINEER	HORIZONTAL & VERTICAL 1 : 100	CROSS SECTIONS
					HORIZONTAL DATUM	25 Sep. 1989 Date	<i>[Signature]</i> EXECUTIVE ENGINEER	<i>[Signature]</i> 21.10.89 SECRETARY	SHEET 93 OF 281	CH. 1 + 600 — CH. 1 + 750
					SURVEY BOOK N°S				PROJECT No. S.C. 120-33-814/A	PAPUA NEW GUINEA DEPARTMENT OF WORKS
										DRAWING No. A1/ 87851



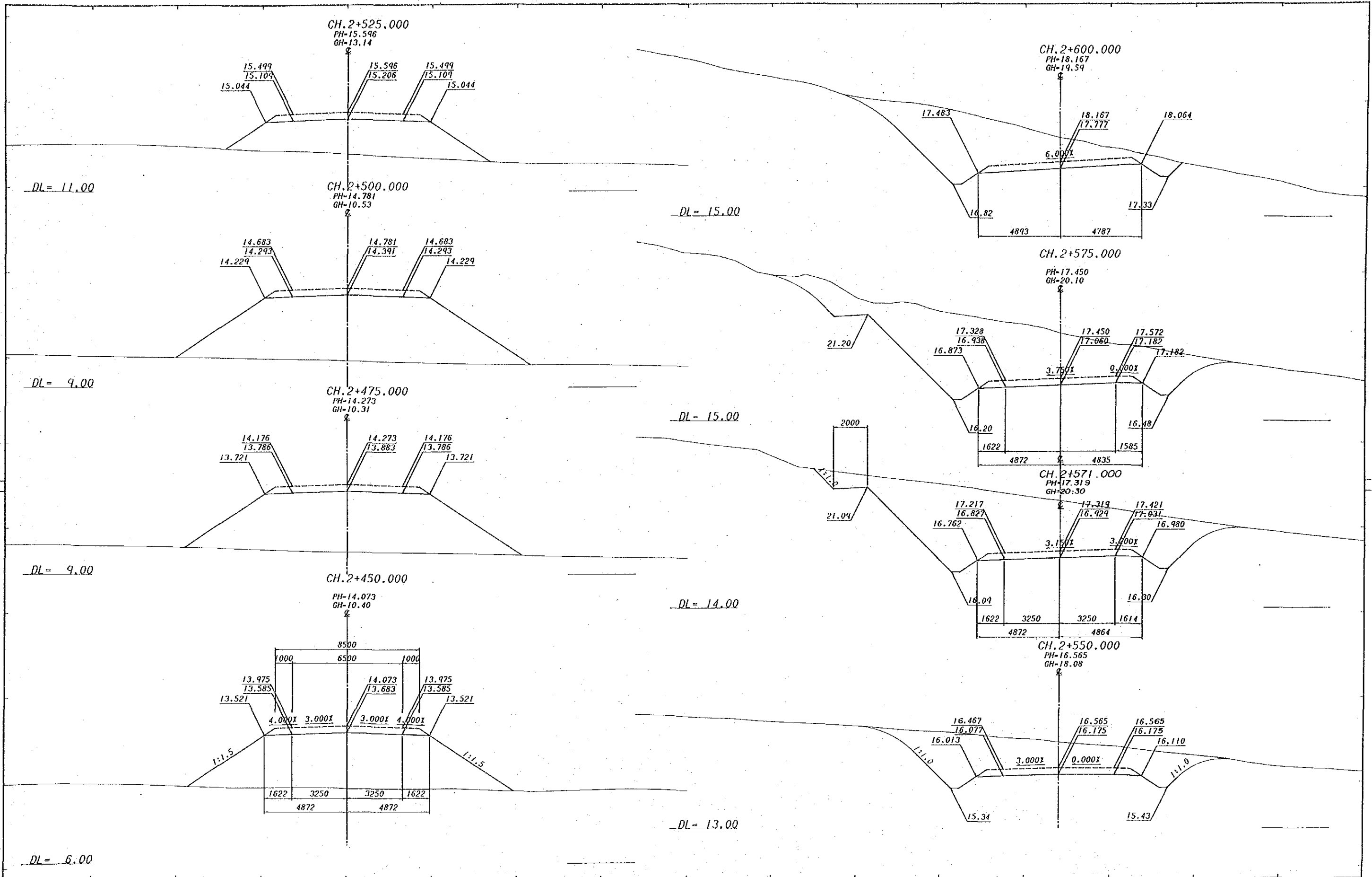
SURVEY JICA		DESIGN JAPAN INTERNATIONAL CO-OPERATION AGENCY		DRAWN K.E.		RECOMMENDED Principal Engineer		SCALES HORIZONTAL & VERTICAL m. 1 : 100		CENTRAL / GULF PROVINCES TRANS-ISLAND HIGHWAY BEREINA-MALALAU SECTION CROSS SECTIONS	
VERTICAL DATUM MEAN SEA LEVEL		DESIGNED a. Maysa		CHECKED L. Kula		APPROVED 28. 10. 88		PROJECT No. S.C.120-33-814/A		CH. 1 + 775 — CH. 1 + 900	
HORIZONTAL DATUM		CHECKED 7. Kula		EXECUTIVE ENGINEER		SECRETARY		SHEET 94 OF 281		PAPUA NEW GUINEA DEPARTMENT OF WORKS	
SURVEY BOOK NO.		28 Sep. 1989 Date		Principal						DRAWING No. A1/ 87852	
REV.		AMENDMENTS		BY		APP'D		DATE			



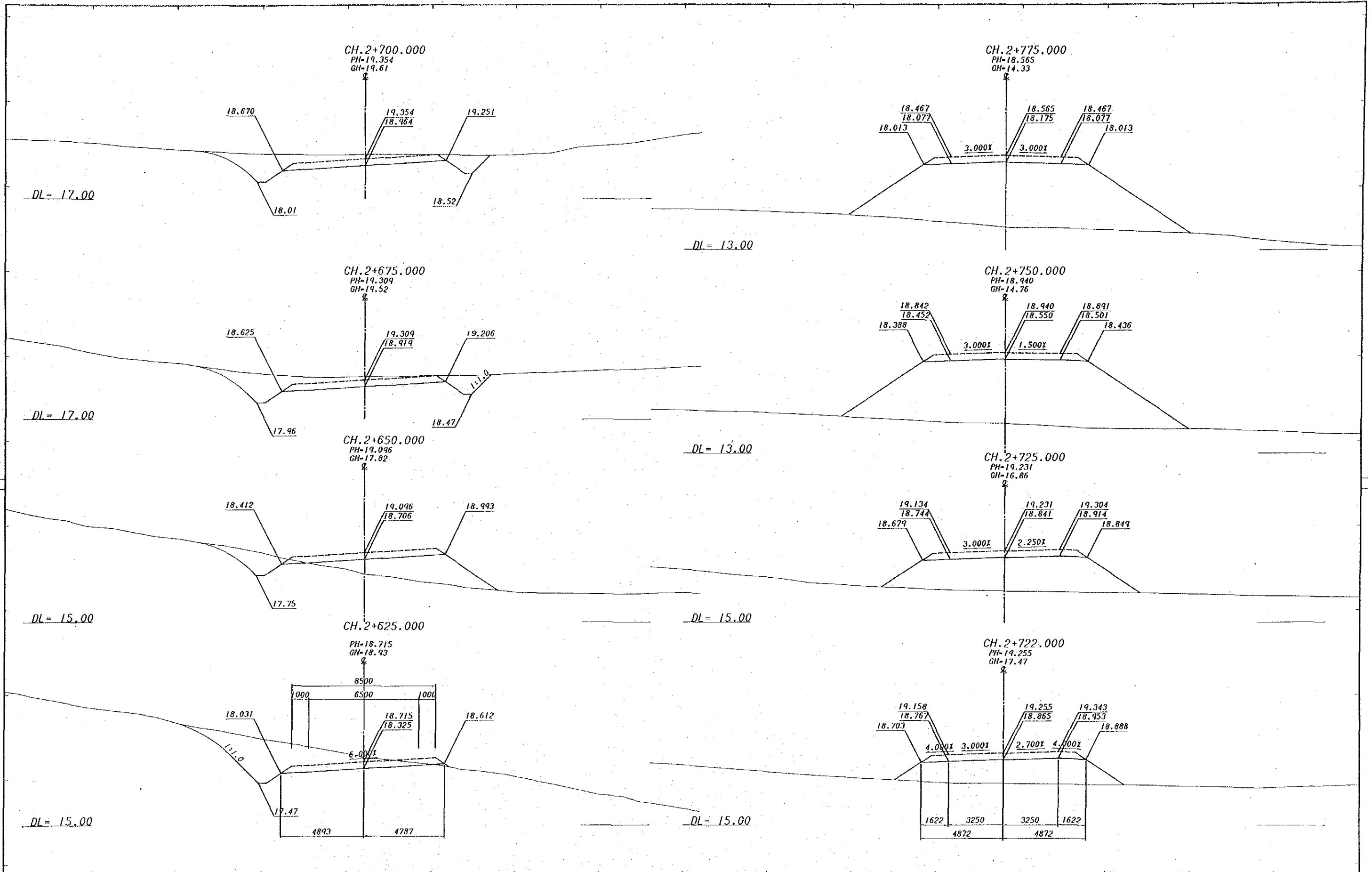
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JICA		JAPAN INTERNATIONAL CO-OPERATION AGENCY		K. E.		L. K. ...		1:100		TRANS-ISLAND HIGHWAY BEREINA-MALALAU SECTION	
VERTICAL DATUM MEAN SEA LEVEL		J. H. ...		A. M. ...		P. S. ...		HORIZONTAL & VERTICAL m.		CROSS SECTIONS	
HORIZONTAL DATUM		25 Sep. 1989		24. 10. 89		24. 10. 89		1:100		CH. 1 + 925 — CH. 2 + 125	
SURVEY BOOK NO.		Date		Date		Date		SHEET 95 OF 281		PAPUA NEW GUINEA DEPARTMENT OF WORKS	
AMENDMENTS		BY		APP'D		DATE		PROJECT No. S.C.120-33-814/A		DRAWING No. A1/ 87853	



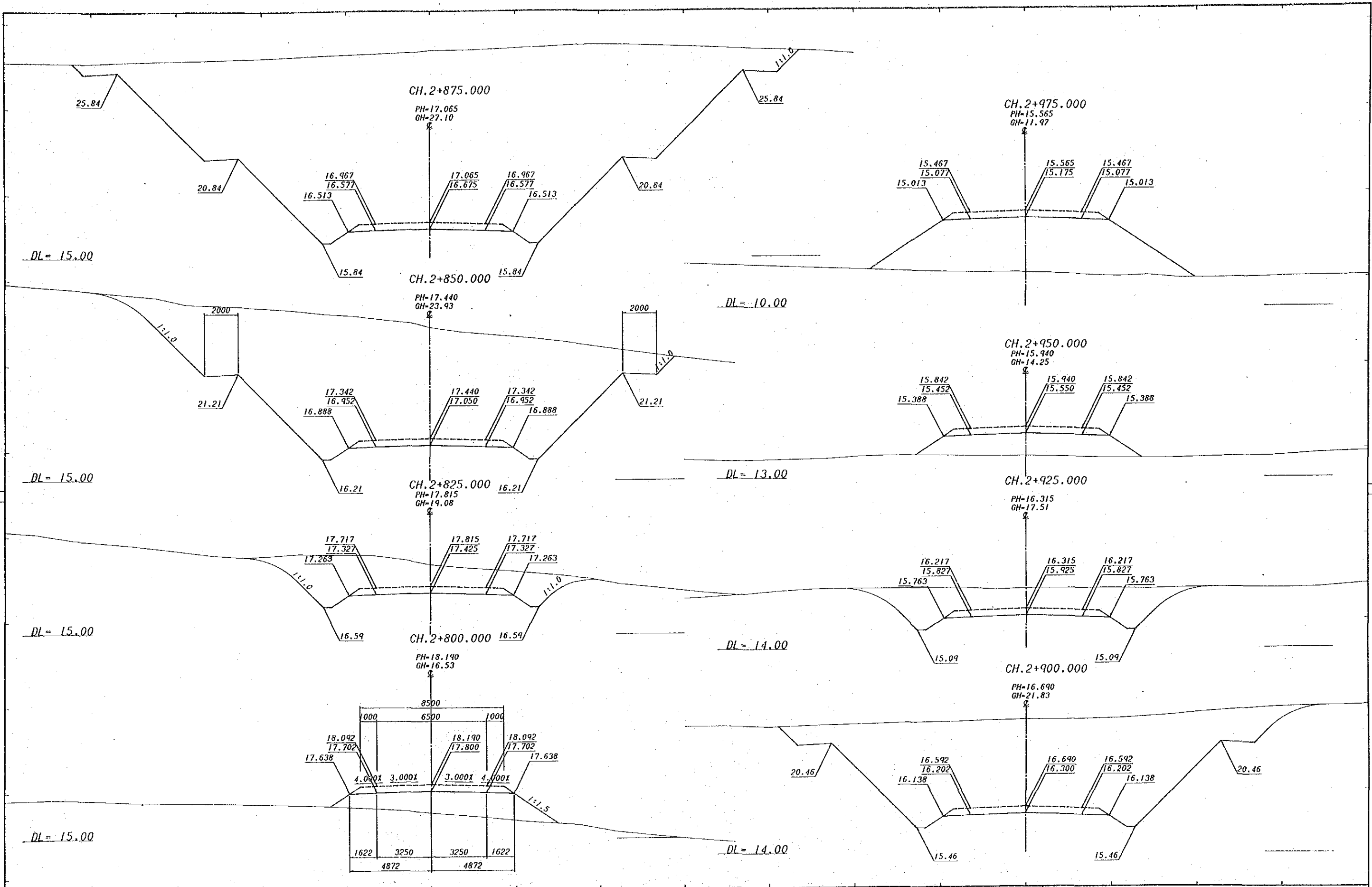
SURVEY JICA		DESIGN JAPAN INTERNATIONAL CO-OPERATION AGENCY		DRAWN K. E.		RECOMMENDED Principal Engineer		SCALES HORIZONTAL & VERTICAL m. 1 : 100		CENTRAL / GULF PROVINCES TRANS-ISLAND HIGHWAY BEREINA-MALALAUUA SECTION CROSS SECTIONS CH. 2 + 300 — CH. 2 + 425			
VERTICAL DATUM MEAN SEA LEVEL		DESIGNED a. Mopate		CHECKED K. E.		APPROVED 24. 11. 89		PROJECT No. S.C. 120-33-814/A		PAPUA NEW GUINEA DEPARTMENT OF WORKS		DRAWING No. A1/ 87855	
REV.	AMENDMENTS	BY	APP'D	DATE	SURVEY BOOK No. 8		25 Sep. 1989 Date		SHEET 97 OF 281				



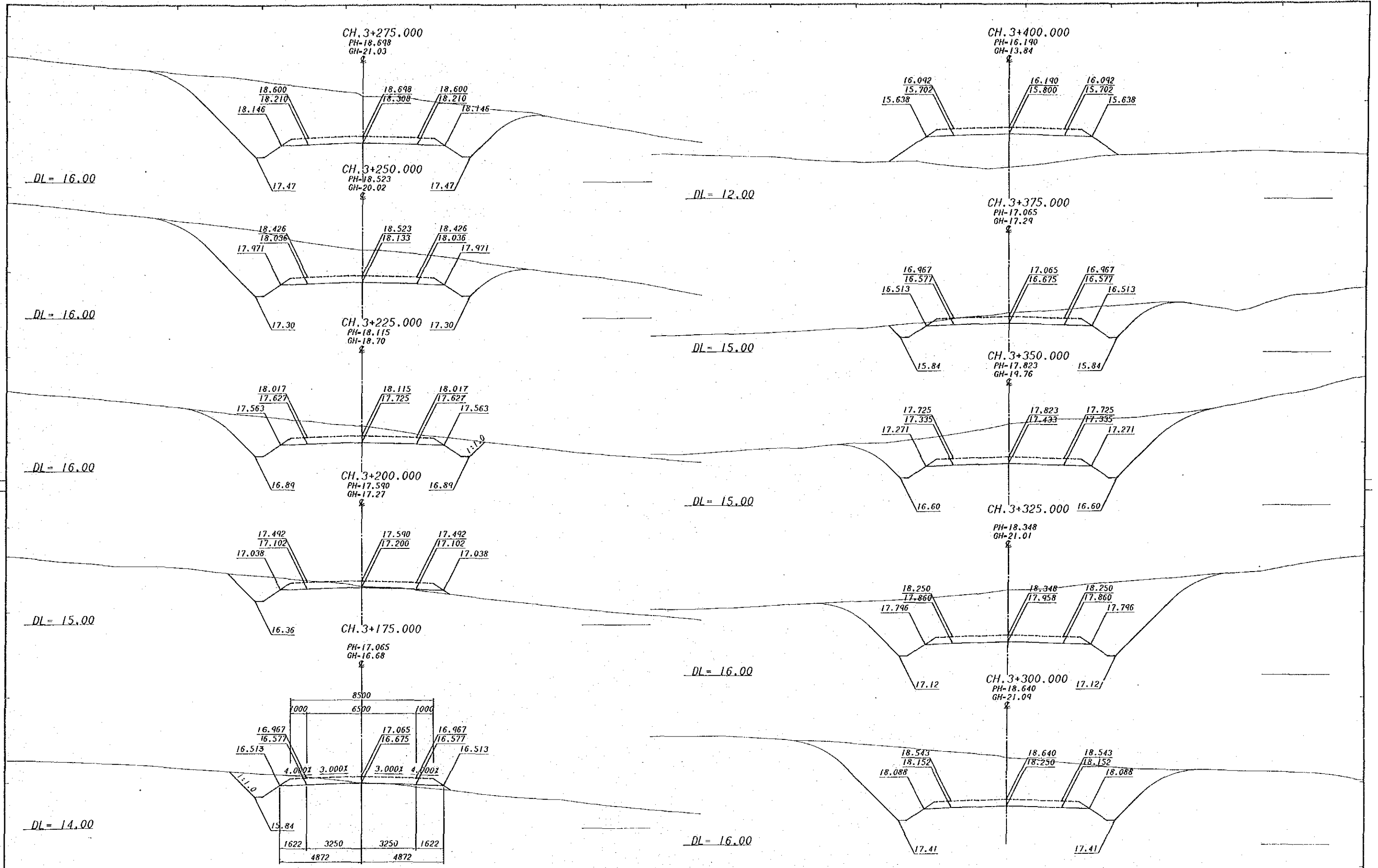
SURVEY JICA		DESIGN JAPAN INTERNATIONAL CO-OPERATION AGENCY		DRAWN K. E.		RECOMMENDED M. K.		SCALES HORIZONTAL & VERTICAL m. 1 : 100		CENTRAL / GULF PROVINCES	
Date		JAPAN INTERNATIONAL CO-OPERATION AGENCY		PROJECT ENGINEER L. K.		PRINCIPAL ENGINEER M. K.		SHEET 98 OF 281		TRANS-ISLAND HIGHWAY BEREINA-MALALAU SECTION	
VERTICAL DATUM MEAN SEA LEVEL		J. H. H.		EXECUTIVE ENGINEER		APPROVED 24.9.89		PROJECT No. S.C. 120-33-814/A		CROSS SECTIONS CH. 2 + 450 — CH. 2 + 600	
HORIZONTAL DATUM		25 Sep. 1989		FAS (S)		1 SECRETARY		PAPUA NEW GUINEA		DRAWING No. A1/ 87856	
SURVEY BOOK No.		Date		EXECUTIVE ENGINEER		1 SECRETARY		DEPARTMENT OF WORKS		A1/ 87856	
REV.	AMENDMENTS	BY	APP'D	DATE							



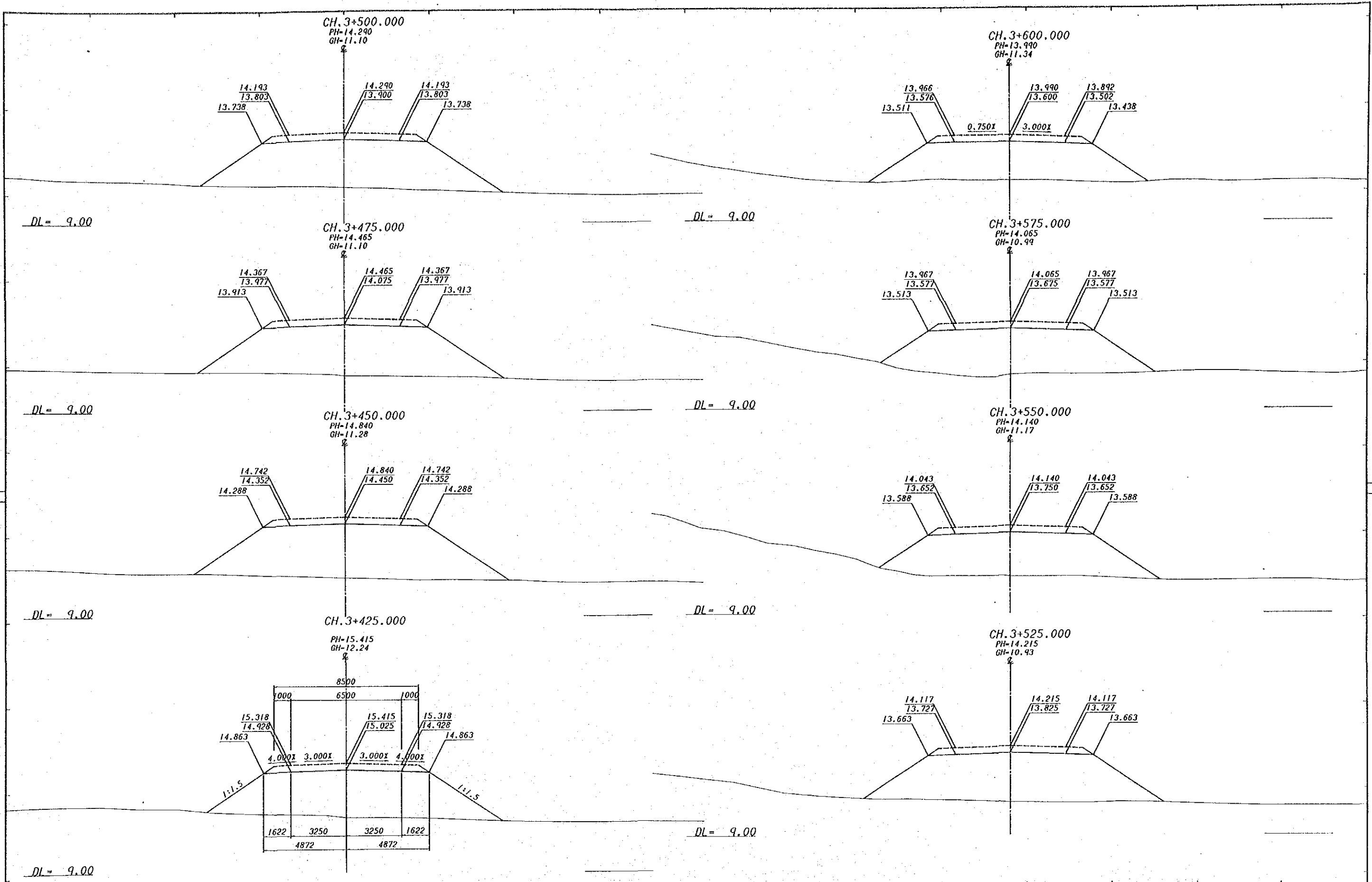
REV.		AMENDMENTS		BY	APP'D	DATE	SURVEY BOOK NRS	SURVEY JICA Date	DESIGN JAPAN INTERNATIONAL CO-OPERATION AGENCY J. Y. ... 25 Sep. 1989 Date	DRAWN K. E. CHECKED DESIGNED CHECKED	PROJECT ENGINEER PRINCIPAL ENGINEER APPROVED EXECUTIVE ENGINEER	RECOMMENDED SECRETARY	SCALES HORIZONTAL & VERTICAL. m. 1 : 100	SHEET 99 OF 281	PROJECT No. S.C. 120-33-814/A	CENTRAL / GULF PROVINCES TRANS-ISLAND HIGHWAY BEREINA-MALALAUJA SECTION CROSS SECTIONS CH. 2 + 625 --- CH. 2 + 775		PAPUA NEW GUINEA DEPARTMENT OF WORKS	DRAWING No. A1/ 87857	REV.
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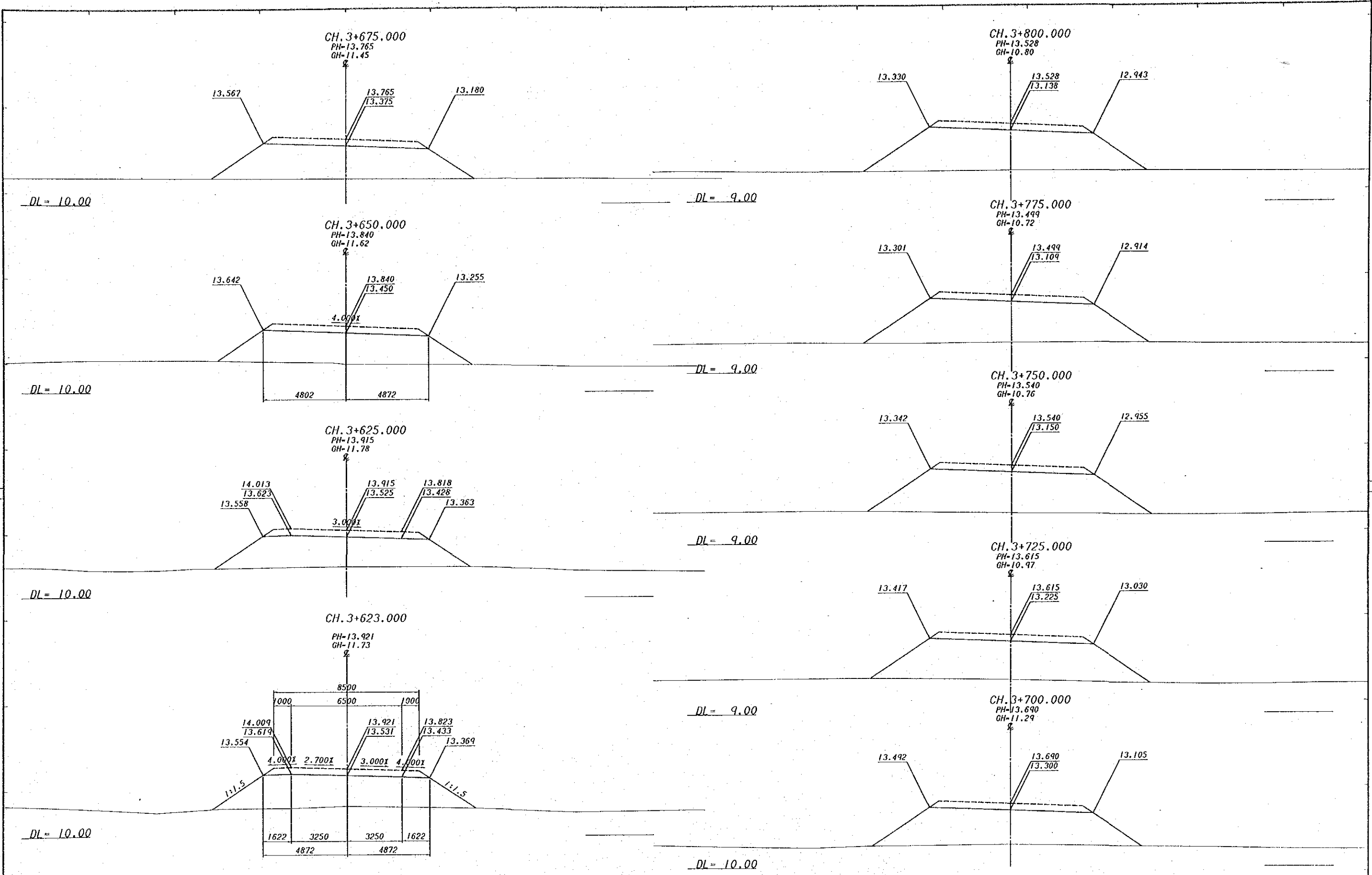
AMENDMENTS REV. BY APP'D DATE		SURVEY JICA Date VERTICAL DATUM MEAN SEA LEVEL HORIZONTAL DATUM SURVEY BOOK N ^o s	DESIGN JAPAN INTERNATIONAL CO-OPERATION AGENCY <i>J. Magabe</i> Principal 25 Sep. 1989 Date	DRAWN K.E. CHECKED <i>C. K.</i> DESIGNED <i>a. Magabe</i> CHECKED <i>Z. K.</i>	PROJECT ENGINEER <i>K. K.</i> EXECUTIVE ENGINEER <i>Z. K.</i>	RECOMMENDED <i>Ally</i> PRINCIPAL ENGINEER APPROVED <i>J. Leonard</i> SECRETARY	SCALES HORIZONTAL & VERTICAL m. 1 : 100 SHEET 100 OF 281	CENTRAL / GULF PROVINCES TRANS-ISLAND HIGHWAY BEREINA-MALALAU SECTION CROSS SECTIONS CH. 2+800 — CH. 2+975 PAPUA NEW GUINEA DEPARTMENT OF WORKS DRAWING No. A1/ 87858	PROJECT No. S.C. 120-33-814/A
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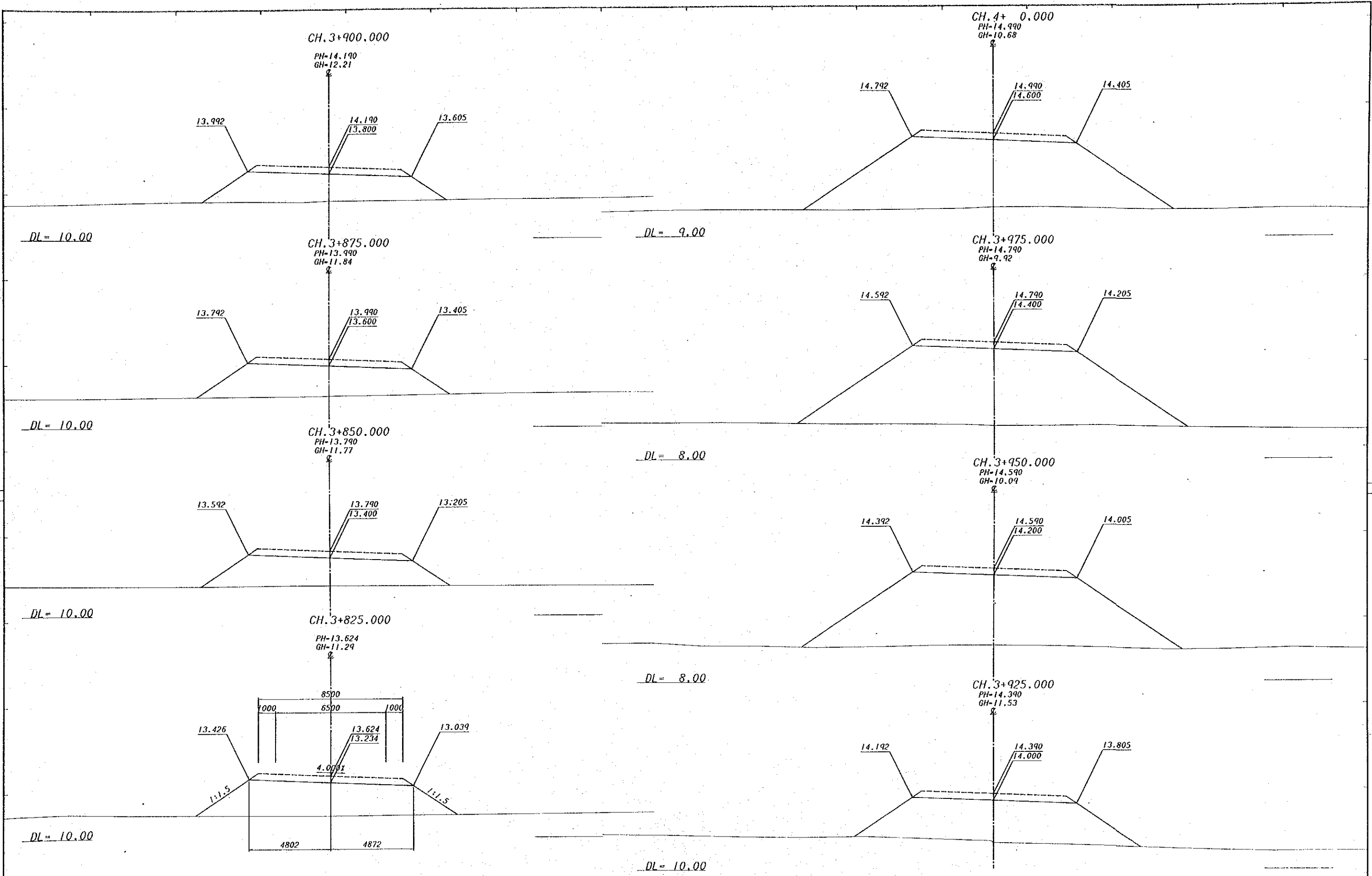
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VERTICAL DATUM MEAN SEA LEVEL		JAPAN INTERNATIONAL CO-OPERATION AGENCY		PROJECT ENGINEER W. K. K.		PRINCIPAL ENGINEER A/Waga		SHEET 102 OF 281		TRANS-ISLAND HIGHWAY BEREINA-MALALAU SECTION	
HORIZONTAL DATUM		Principal J. H. H.		EXECUTIVE ENGINEER W. K. K.		APPROVED J. S. S.		PROJECT No. S.C. 120-33-814/A		CROSS SECTIONS	
SURVEY BOOK No. 8		25 Sep. 1989 Daw		CHECKED Z. K.		SECRETARY P. S. S.		CH. 3 + 175		CH. 3 + 400	
AMENDMENTS		BY APP'D DATE		EXECUTIVE ENGINEER		SECRETARY		DEPARTMENT OF WORKS		DRAWING No. A1/ 87860	



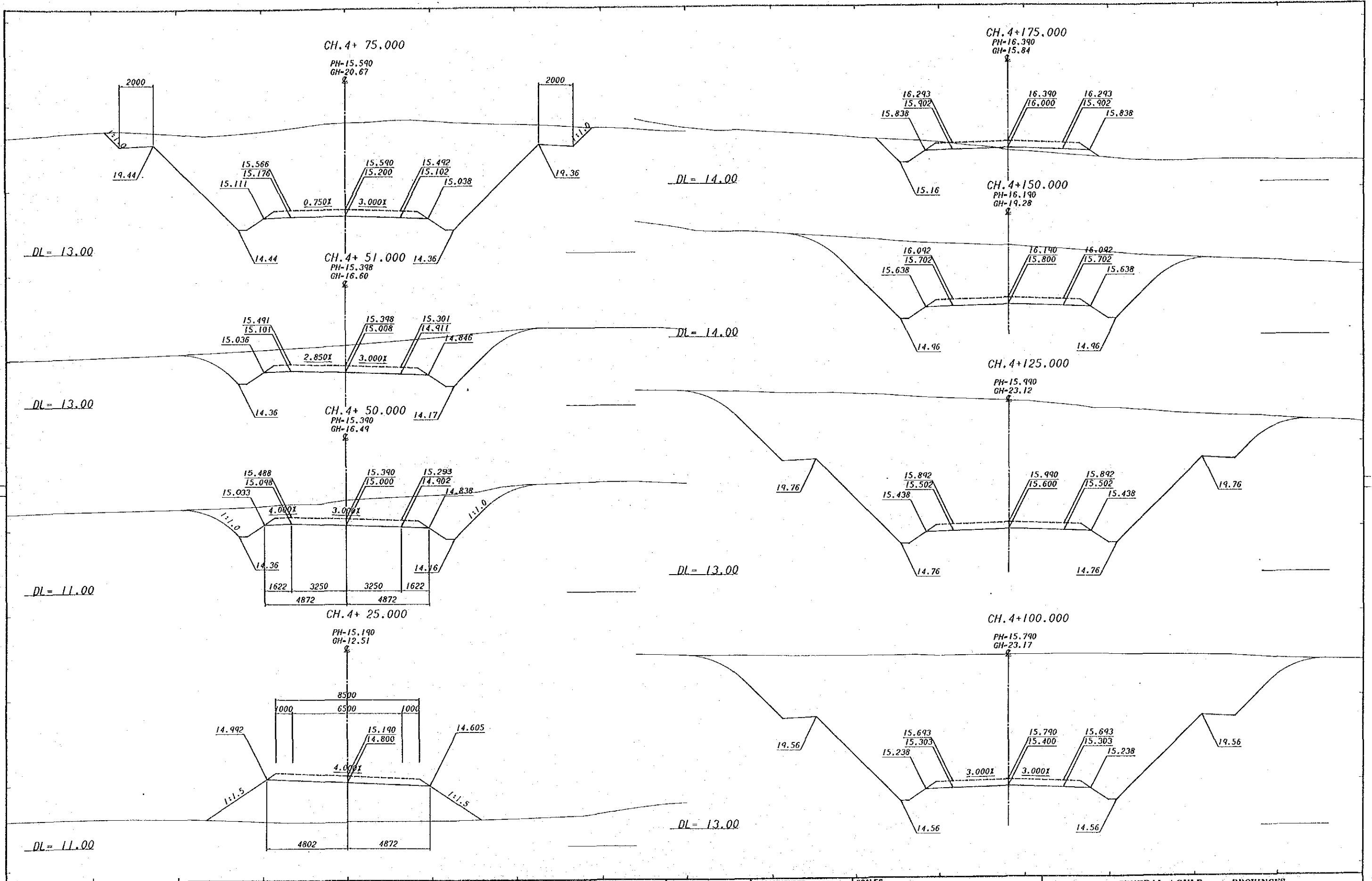
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							JICA		JAPAN INTERNATIONAL CO-OPERATION AGENCY		K. E.		[Signature]		[Signature]		[Signature]		[Signature]		[Signature]		1:100		TRANS-ISLAND HIGHWAY BEREINA-MALALAU SECTION	
							Date		Date		PROJECT ENGINEER		PRINCIPAL ENGINEER		20.10.89		HORIZONTAL & VERTICAL m.						CROSS SECTIONS			
							MEAN SEA LEVEL		CO-OPERATION AGENCY		EXECUTIVE ENGINEER		SECRETARY		SHEET 103 OF 281		PROJECT No. S.C.120-33-814/A		PAPUA NEW GUINEA DEPARTMENT OF WORKS		DRAWING No. A1/ 87861					
							SURVEY BOOK No.		25 Sep. 1989		[Signature]		[Signature]													



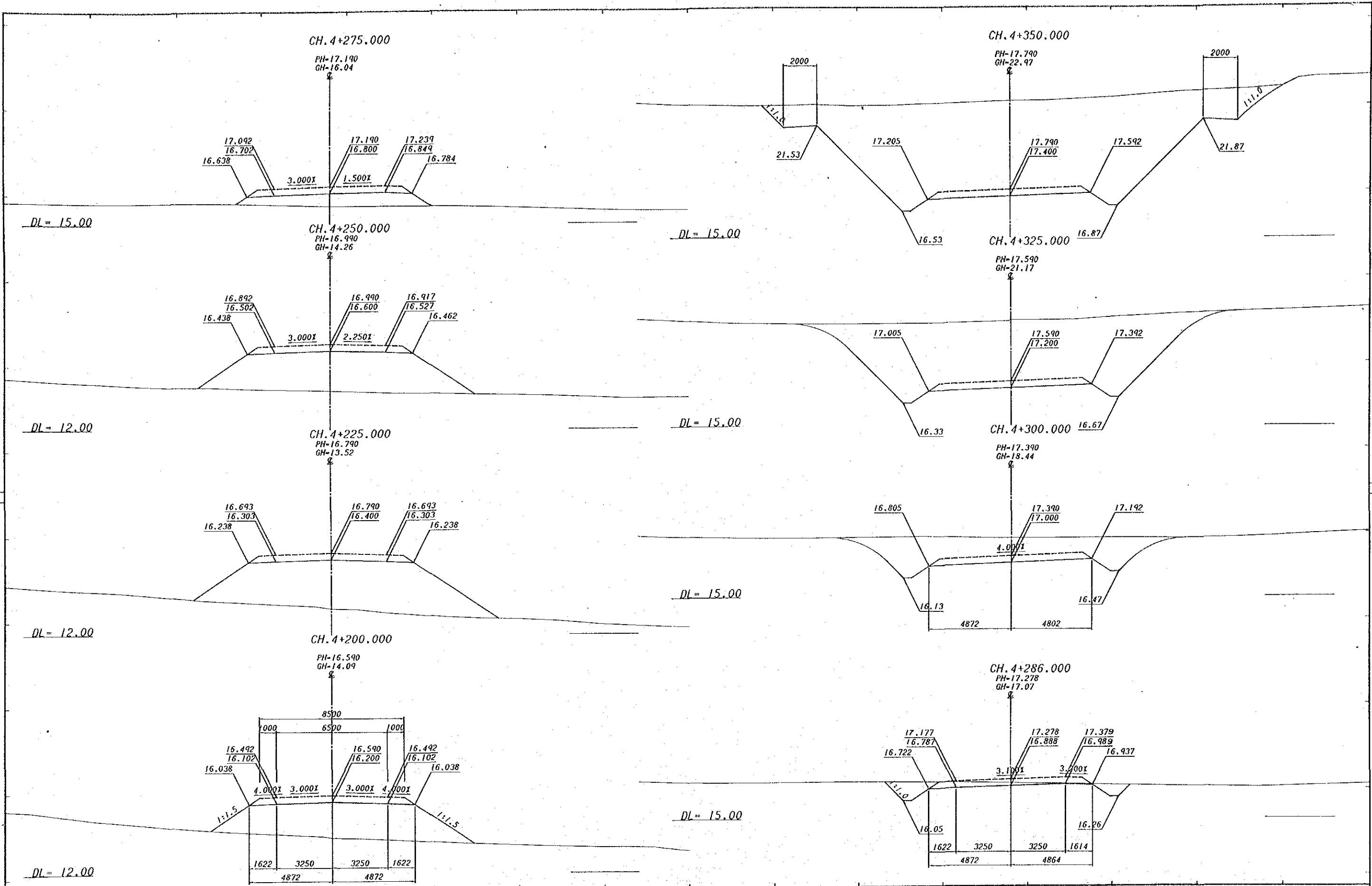
JICA SURVEY Date VERTICAL DATUM MEAN SEA LEVEL HORIZONTAL DATUM SURVEY BOOK NOS		JAPAN INTERNATIONAL CO-OPERATION AGENCY DESIGN J. J. J. J. Principal 25 Sep. 1989 Date		DRAWN K.E. CHECKED C. S. J. DESIGNED A. Magala CHECKED T. K. S.		RECOMMENDED W. K. S. PROJECT ENGINEER A. Magala PRINCIPAL ENGINEER APPROVED J. S. S. SECRETARY		SCALES HORIZONTAL & VERTICAL m. 1 : 100 SHEET 104 OF 281		CENTRAL / GULF PROVINCES TRANS-ISLAND HIGHWAY BEREINA-MALALAU SECTION CROSS SECTIONS CH. 3 + 623 — CH. 3 + 800 PAPUA NEW GUINEA DEPARTMENT OF WORKS DRAWING No. A1/ 87862	
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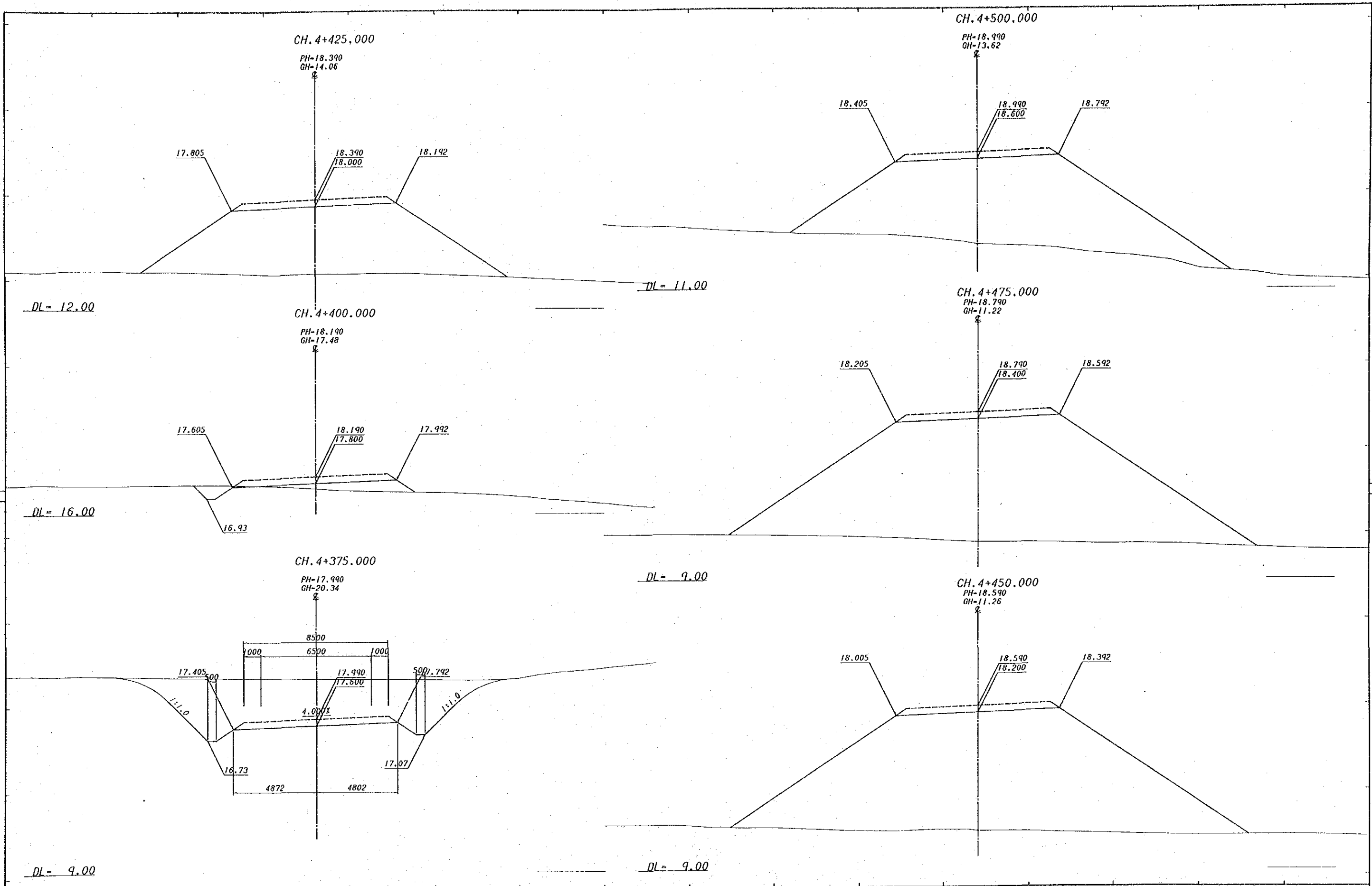
REV.		AMENDMENTS		BY	APP'D	DATE	SURVEY	DESIGN	DRAWN	RECOMMENDED	SCALES	CENTRAL / GULF PROVINCES	
							JICA	JAPAN INTERNATIONAL CO-OPERATION AGENCY	K. E.	<i>[Signature]</i>	 HORIZONTAL & VERTICAL m. 1 : 100	TRANS-ISLAND HIGHWAY BERBINA-MALALAU SECTION	
							VERTICAL DATUM MEAN SEA LEVEL		CHECKED <i>[Signature]</i>	PROJECT ENGINEER	APPROVED 24.10.89 <i>[Signature]</i>	CROSS SECTIONS	
							HORIZONTAL DATUM		DESIGNED <i>[Signature]</i>	EXECUTIVE ENGINEER	SECRETARY	CH. 3 + 825 — CH. 4 + 0	
							SURVEY BOOK NO. 9	25 Sep. 1989	CHECKED <i>[Signature]</i>			PAPUA NEW GUINEA	DRAWING No.
												DEPARTMENT OF WORKS	A1/ 87863



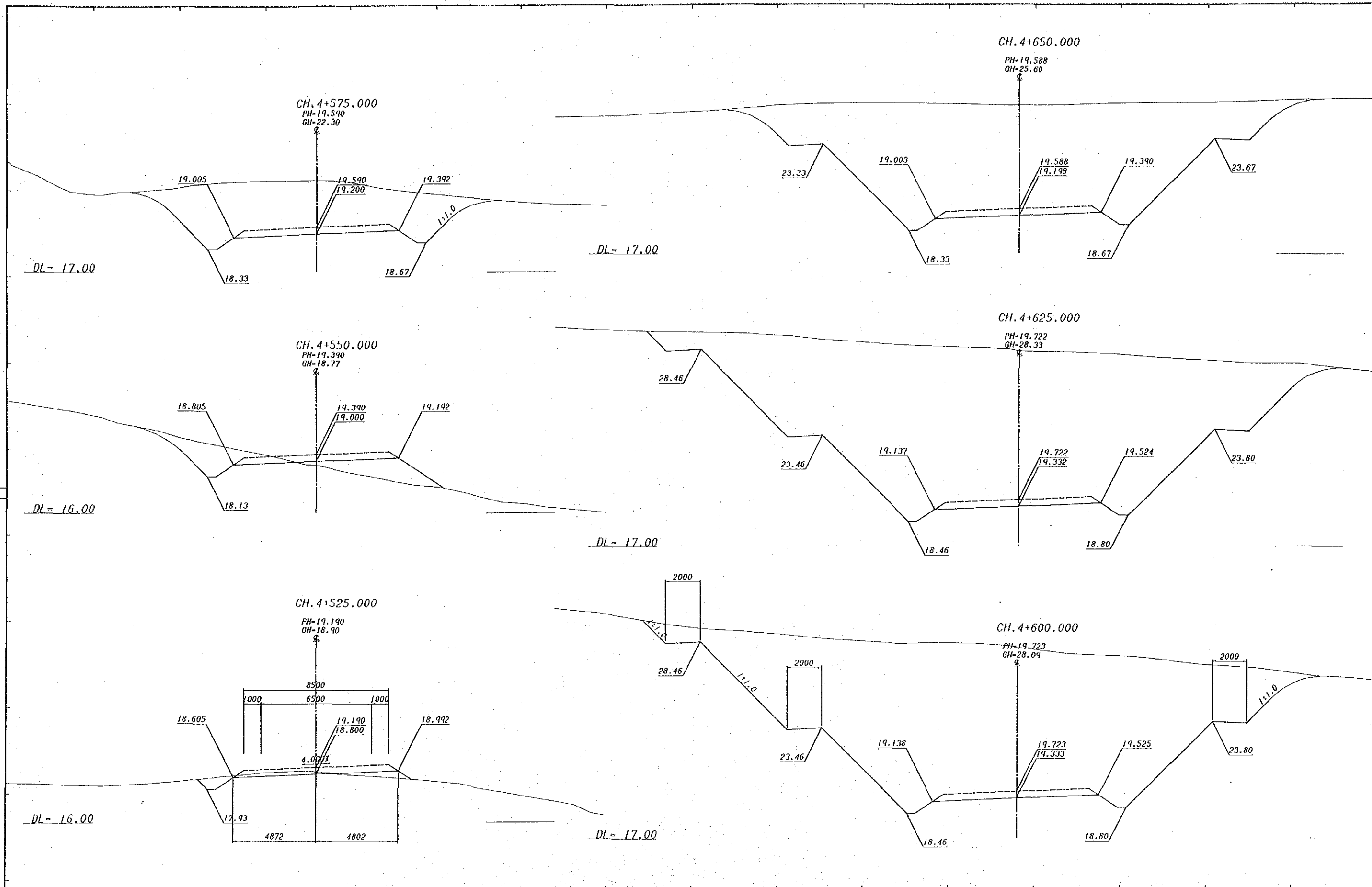
SURVEY JICA Date: _____ VERTICAL DATUM: MEAN SEA LEVEL. HORIZONTAL DATUM: _____ SURVEY BOOK No. _____		DESIGN JAPAN INTERNATIONAL CO-OPERATION AGENCY J. H. H. _____ 25 Sep. 1989 Date		DRAWN K. E. _____ CHECKED: _____ DESIGNED: _____ CHECKED: _____		RECOMMENDED PROJECT ENGINEER: _____ APPROVED: _____ 24. 10. 89 EXECUTIVE ENGINEER: _____ SECRETARY: _____		SCALES HORIZONTAL & VERTICAL m. 1 : 100		CENTRAL / GULF PROVINCES TRANS-ISLAND HIGHWAY BEREINA-MALALAU SECTION CROSS SECTIONS CH. 4 + 25 — CH. 4 + 175 PAPUA NEW GUINEA DEPARTMENT OF WORKS DRAWING No. A1/ 87864	
REV.	AMENDMENTS	BY	APP'D	DATE	SHEET 106 OF 281		PROJECT No. S.C.120-33-814/A		DRAWING No. A1/ 87864		



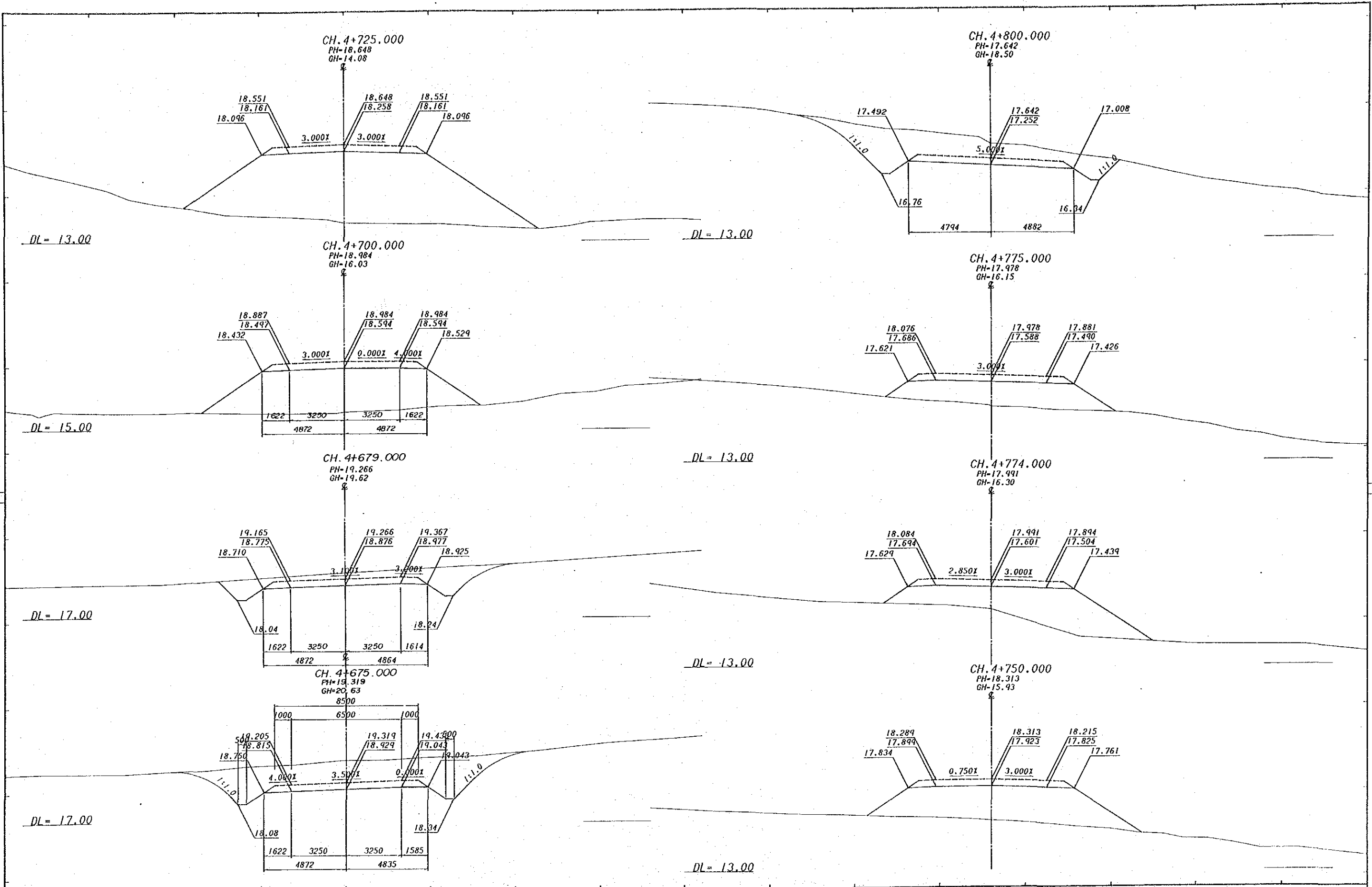
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JICA		JAPAN INTERNATIONAL CO-OPERATION AGENCY		K.E.		PROJECT ENGINEER		HORIZONTAL & VERTICAL m. 1 : 100		TRANS-ISLAND HIGHWAY BEREINA-MALALAU SECTION	
Date		Date		CHECKED		PRINCIPAL ENGINEER		SHEET 107 OF 281		CROSS SECTIONS	
VERTICAL DATUM MEAN SEA LEVEL		Principal		DESIGNED		APPROVED		PROJECT No. S.C.120-33-814/A		CH. 4 + 200 — CH. 4 + 350	
HORIZONTAL DATUM		25 Sep. 1989		CHECKED		SECRETARY		PAPUA NEW GUINEA		DRAWING No.	
SURVEY BOOK No.8		Date		EXECUTIVE ENGINEER				DEPARTMENT OF WORKS		A1/ 87865	
AMENDMENTS		BY APP'D DATE								REV	



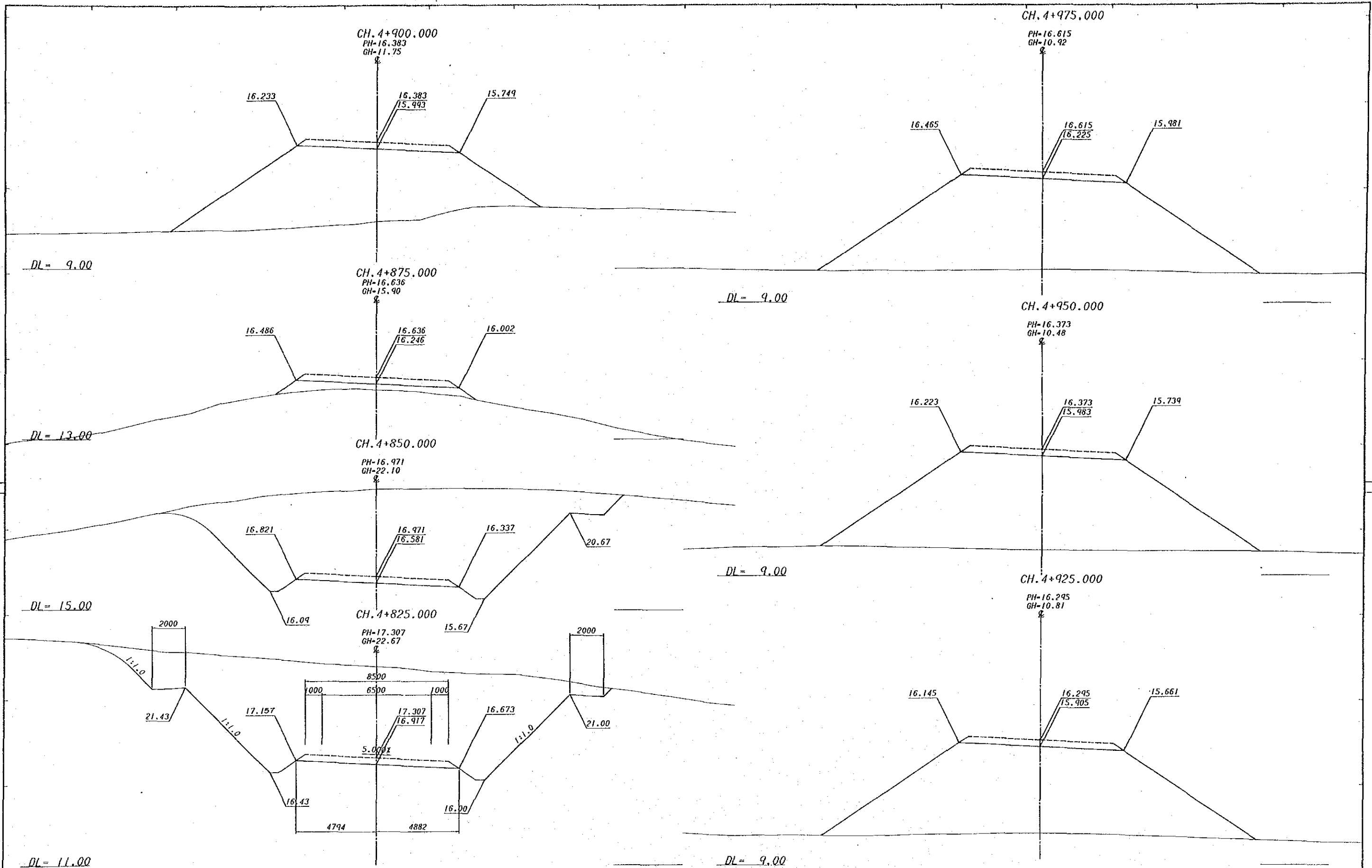
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JICA		JAPAN INTERNATIONAL CO-OPERATION AGENCY		K.E.		PROJECT ENGINEER		HORIZONTAL & VERTICAL m. 1:100		TRANS-ISLAND HIGHWAY BEREINA-MALALAU SECTION	
Date		25 Sep. 1989		CHECKED C.B.A.		PRINCIPAL ENGINEER		PROJECT No. S.C.120-33-814/A		CROSS SECTIONS	
VERTICAL DATUM MEAN SEA LEVEL		Principal		DESIGNED A. Magala		APPROVED 24.10.89		SHEET 108 OF 281		CH. 4 + 375 — CH. 4 + 500	
HORIZONTAL DATUM		Date		CHECKED Z. Kambura		SECRETARY		DEPARTMENT OF WORKS		DRAWING No. A1/ 87866	
SURVEY BOOK No.										REV.	
AMENDMENTS		BY		APP'D		DATE					



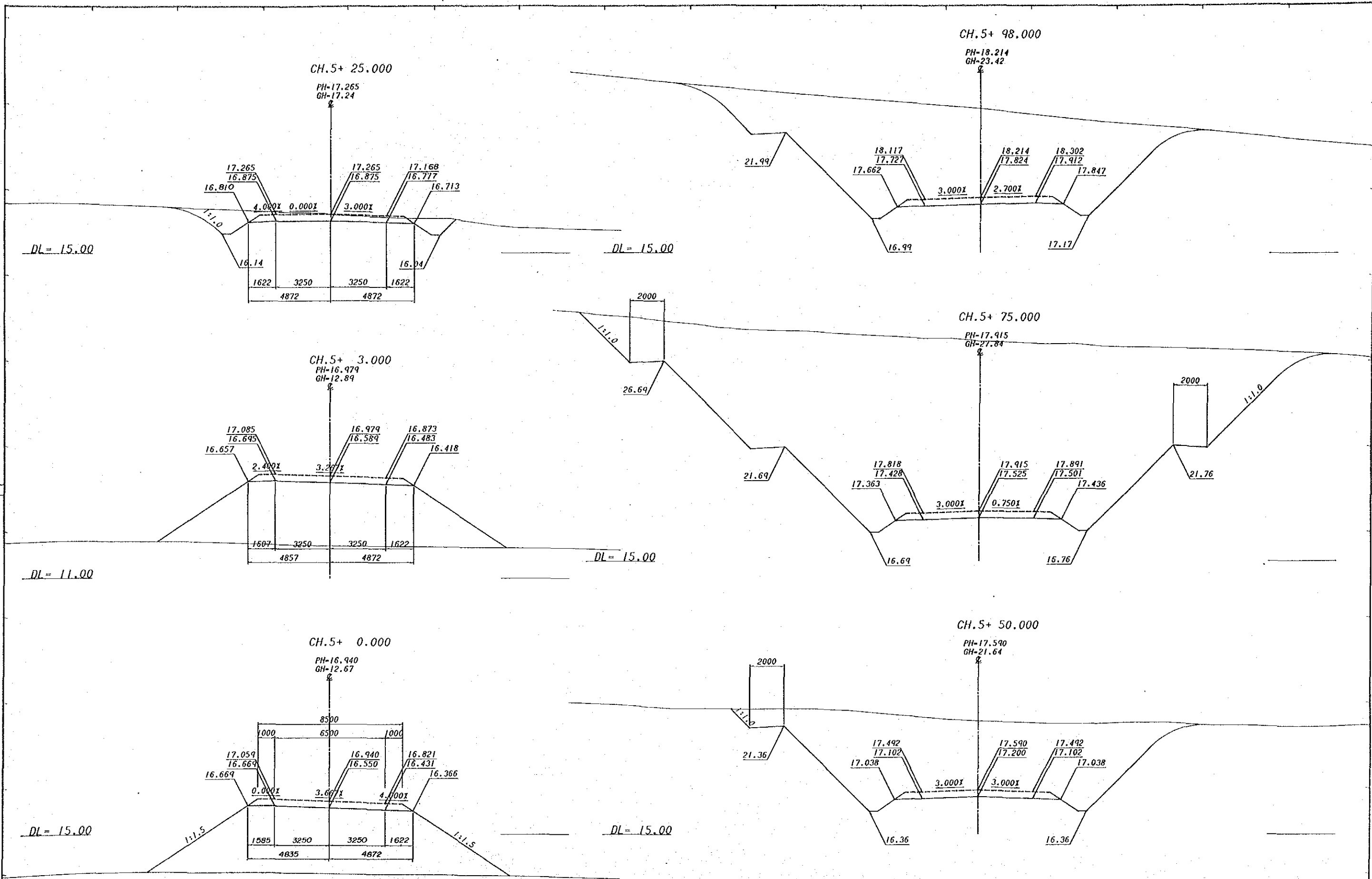
REV.		AMENDMENTS		BY	APP'D	DATE	SURVEY BOOK N ^o .S	DESIGN	DRAWN	RECOMMENDED	SCALES	CENTRAL / GULF PROVINCES	
							JICA	JAPAN INTERNATIONAL CO-OPERATION AGENCY	K. E.	<i>[Signature]</i>	 HORIZONTAL & VERTICAL m. 1 : 100	TRANS-ISLAND HIGHWAY BEREINA-MALALAU SECTION	
							VERTICAL DATUM MEAN SEA LEVEL	J. Yukiwaka 25 Sep. 1989	C. E.	<i>[Signature]</i>	24. 10. 89	CROSS SECTIONS	
							HORIZONTAL DATUM	Principal	A. Magaña	<i>[Signature]</i>	SECRETARY	CH. 4 + 525 — CH. 4 + 650	
								Executive Engineer	<i>[Signature]</i>	<i>[Signature]</i>	PROJECT No. S.C. 120-33-814/A	PAPUA NEW GUINEA DEPARTMENT OF WORKS	DRAWING No. A1/ 87867
											SHEET 109 OF 281		



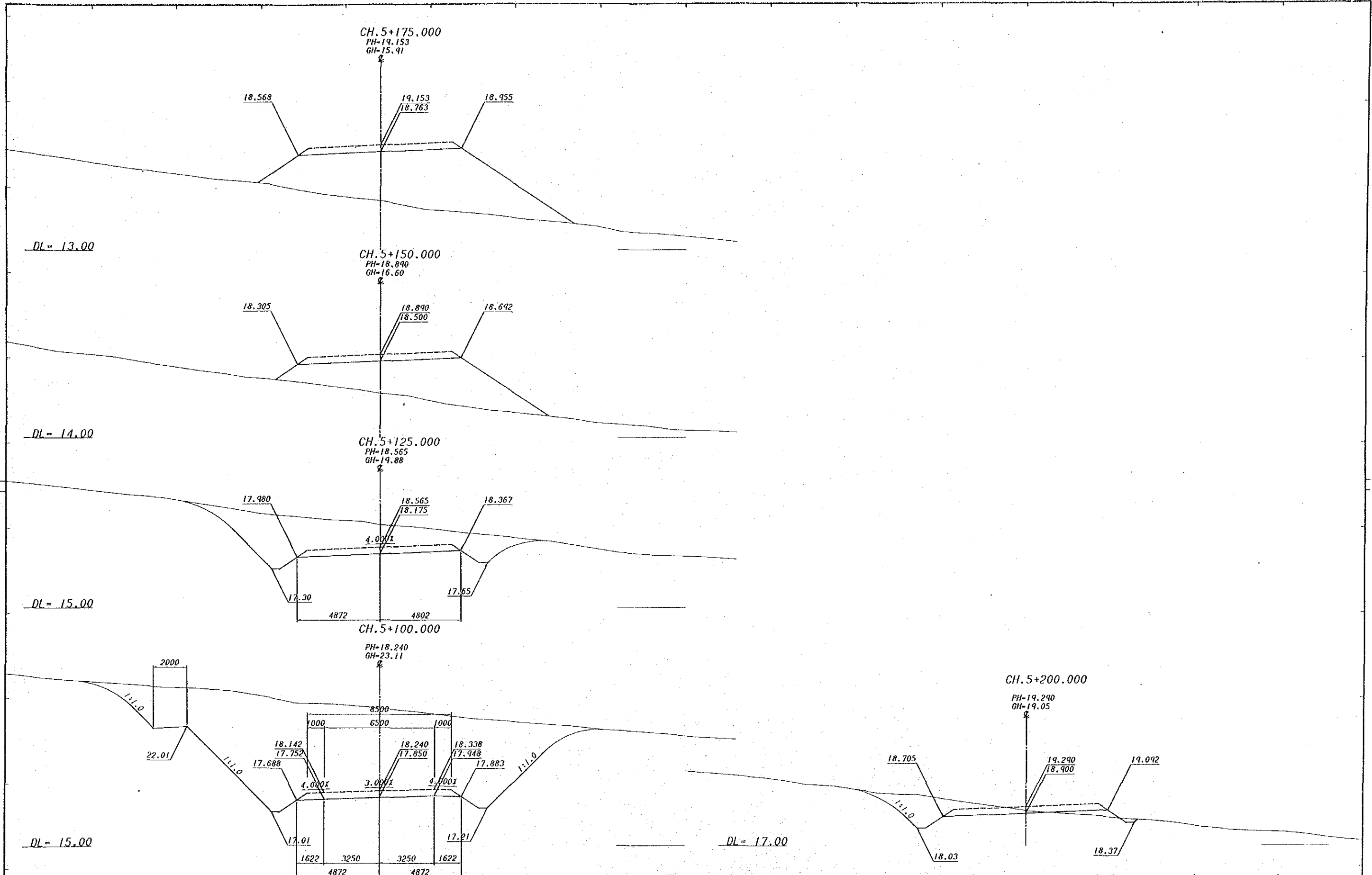
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JICA		JAPAN INTERNATIONAL CO-OPERATION AGENCY		K.E.		[Signature]		1:100		TRANS-ISLAND HIGHWAY BEREINA-MALALAU SECTION	
VERTICAL DATUM MEAN SEA LEVEL		Date 25 Sep. 1989		CHECKED [Signature]		PROJECT ENGINEER [Signature]		HORIZONTAL & VERTICAL m.		CROSS SECTIONS	
HORIZONTAL DATUM		Principal		DESIGNED A. Magalo		APPROVED [Signature]		1:100		CH. 4 + 675 — CH. 4 + 800	
SURVEY BOOK NO. 8		Date		CHECKED Z. Kambin		EXECUTIVE ENGINEER [Signature]		SHEET 110 OF 281		PAPUA NEW GUINEA DEPARTMENT OF WORKS	
AMENDMENTS		BY APP'D DATE		[Signature]		SECRETARY [Signature]		PROJECT No. S.C. 120-33-814/A		DRAWING No. A1/ 87868	



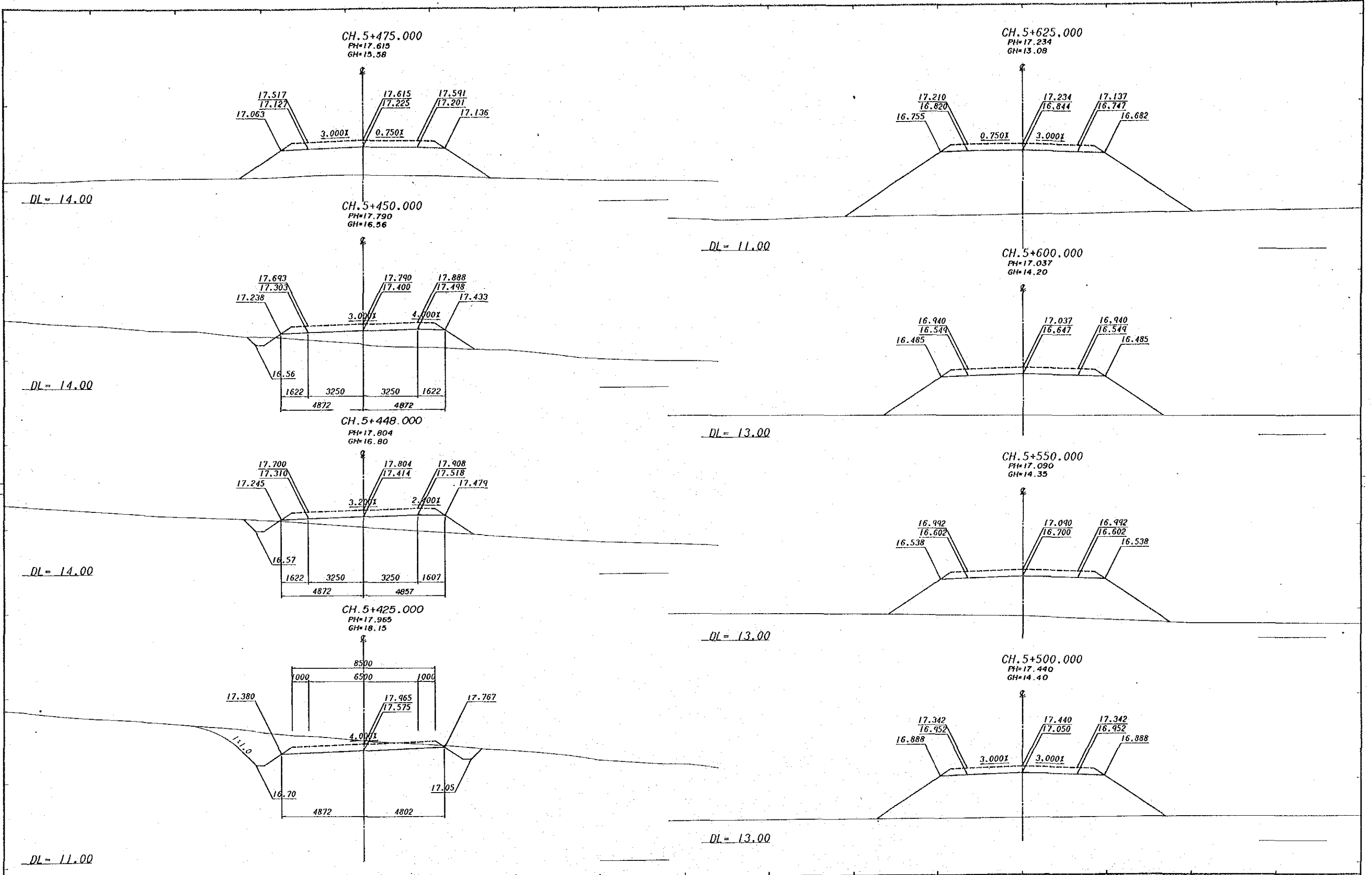
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VERTICAL DATUM MEAN SEA LEVEL		J. Anderson 25 Sep. 1989 Date		CHECKED L. K. ...		PROJECT ENGINEER L. K. ...		APPROVED S. C. ...		TRANS-ISLAND HIGHWAY BEREINA-MALALUA SECTION	
HORIZONTAL DATUM		Principal		DESIGNED		EXECUTIVE ENGINEER W. ...		S. C. ... SECRETARY		CROSS SECTIONS CH. 4 + 825 — CH. 4 + 975	
SURVEY BOOK NRS.		BY		CHECKED L. K. ...		SHEET 111 OF 281		PROJECT No. S.C. 120-33-814/A		PAPUA NEW GUINEA DEPARTMENT OF WORKS	
AMENDMENTS		APP'D DATE		DATE		DRAWING No. A1/ 87869		REV		REV	



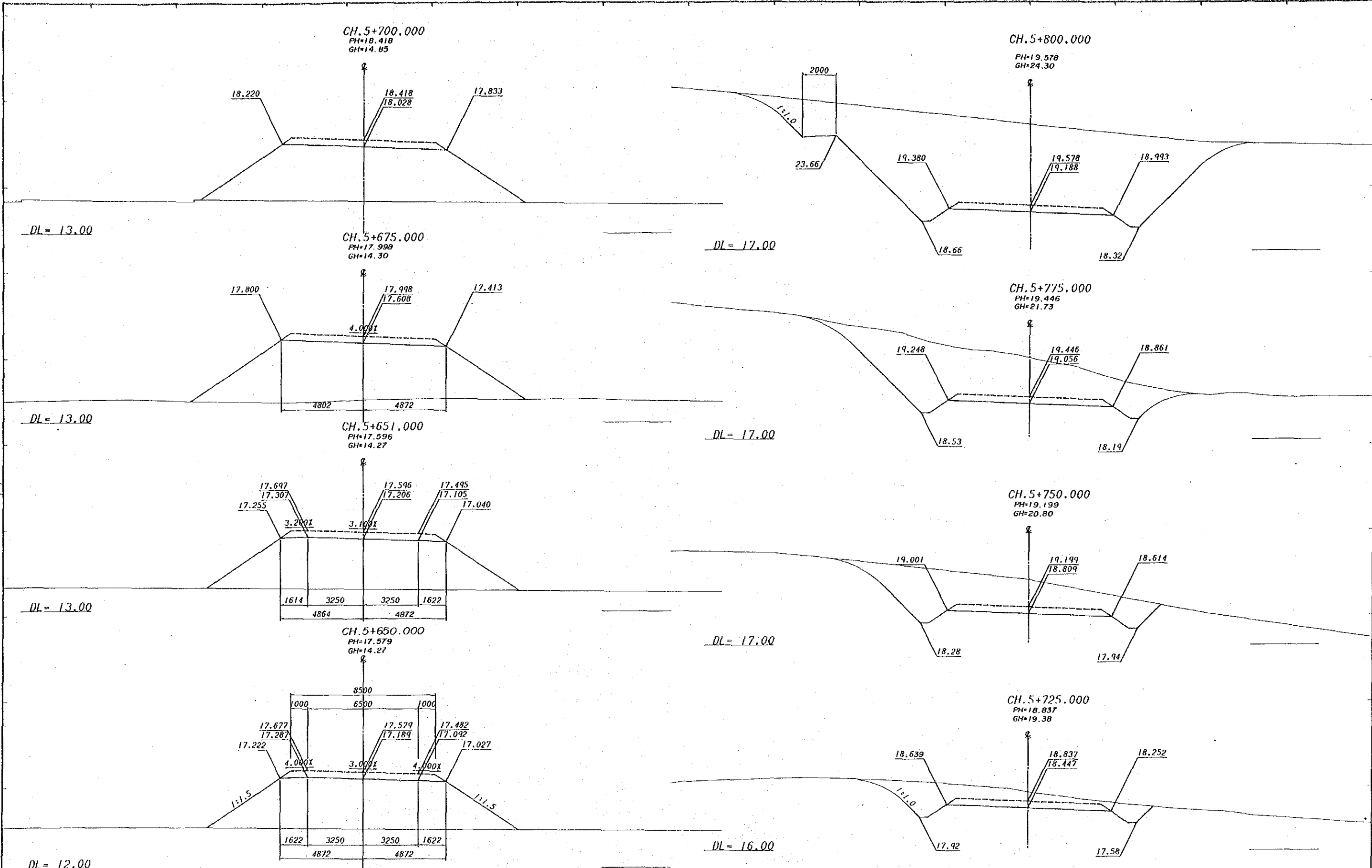
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JICA		JAPAN INTERNATIONAL CO-OPERATION AGENCY		K. E.		W. K. ...		 HORIZONTAL & VERTICAL m. 1 : 100		TRANS-ISLAND HIGHWAY BEREINA-MALALAU SECTION	
VERTICAL DATUM MEAN SEA LEVEL		JICA		CHECKED G.A.		PROJECT ENGINEER		APPROVED 24. 10. 89		CROSS SECTIONS	
HORIZONTAL DATUM		Principal		DESIGNED a. M. ...		EXECUTIVE ENGINEER		SHEET 112 OF 281		CH. 5 + 0 — CH. 5 + 98	
SURVEY BOOK NO. S		25 Sep. 1989		CHECKED Z. K. ...		SECRETARY		PROJECT No. S.C. 120-33-814/A		PAPUA NEW GUINEA DEPARTMENT OF WORKS	
AMENDMENTS		BY APP'D DATE		Date		Date		DRAWING No. A1/ 87870		REV.	



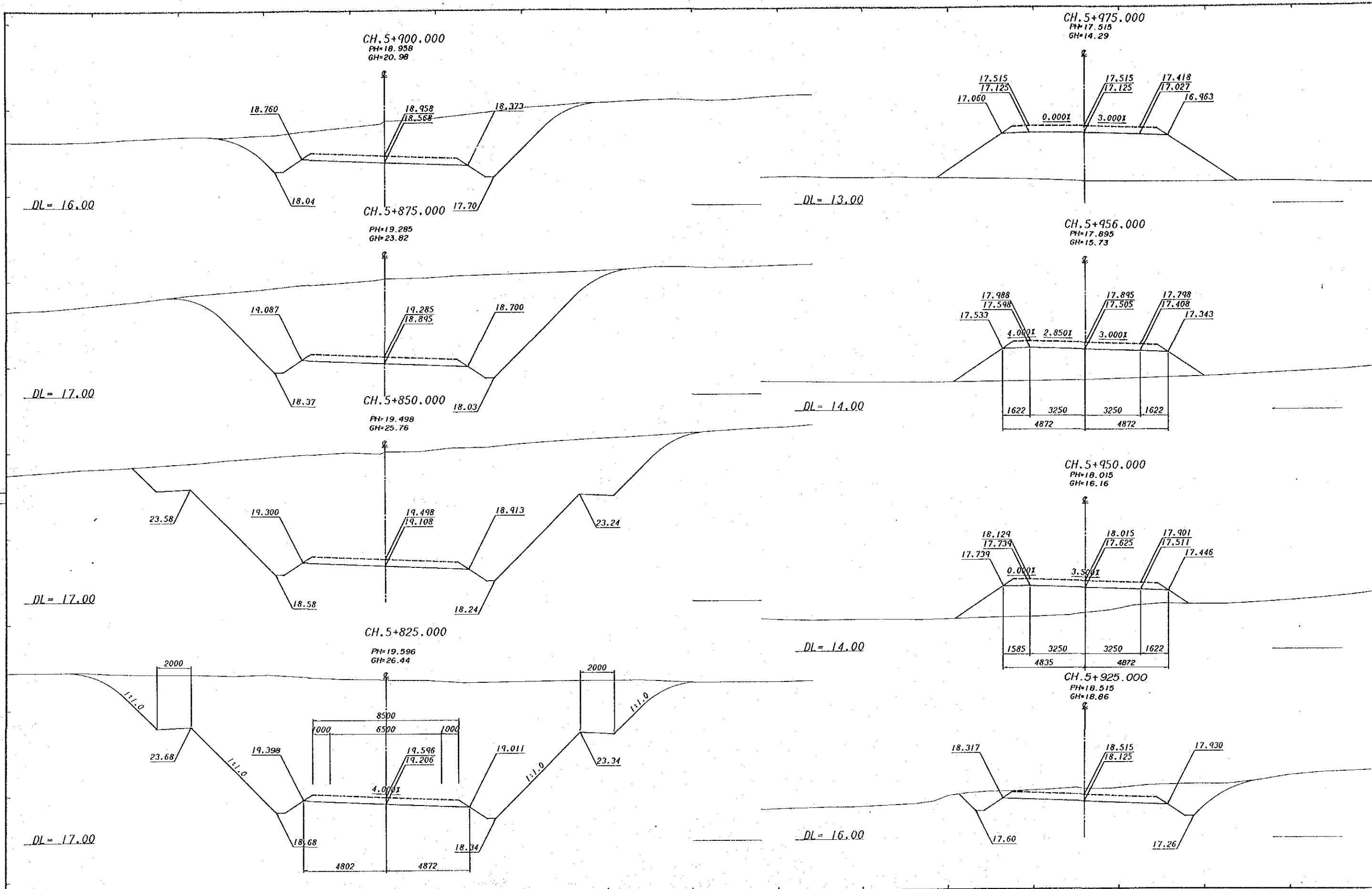
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							JICA		JAPAN INTERNATIONAL CO-OPERATION AGENCY		K. E.		Principal Engineer		Horizontal & Vertical m. 1 : 100		TRANS-ISLAND HIGHWAY BEREINA-MALALAU SECTION	
							VERTICAL DATUM MEAN SEA LEVEL		J. N. N. N.		CHECKED C. E. A.		APPROVED 27.10.89		SHEET 113 OF 281		CH. 5 + 100 — CH. 5 + 200	
							HORIZONTAL DATUM		25 Sep. 1989		DESIGNED A. Magan		EXECUTIVE ENGINEER		PROJECT No. S.C. 120-33-814/A		PAPUA NEW GUINEA	
							SURVEY BOOK No.		Date		CHECKED Z. K. N.		SECRETARY		DEPARTMENT OF WORKS		DRAWING No. A1/ 87871	



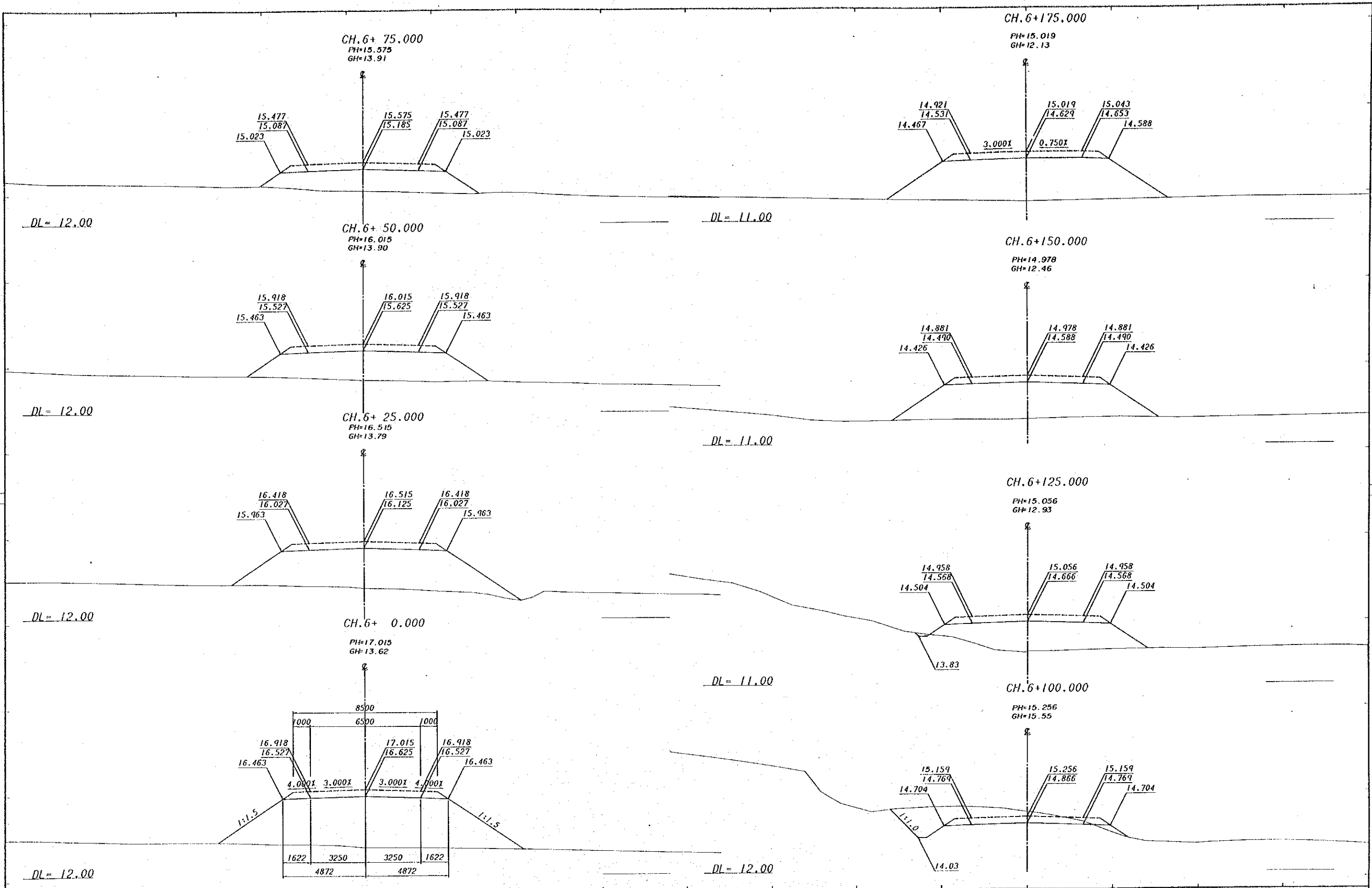
AMENDMENTS		BY	APP'D	DATE	SURVEY JICA Date VERTICAL DATUM MEAN SEA LEVEL HORIZONTAL DATUM SURVEY BOOK REF.	DESIGN JAPAN INTERNATIONAL CO-OPERATION AGENCY <i>J. Fujita</i> 25 Sep. 1989 Date	DRAWN K.E. CHECKED <i>[Signature]</i> DESIGNED <i>A. M. [Signature]</i> CHECKED <i>[Signature]</i>	PROJECT ENGINEER <i>[Signature]</i> EXECUTIVE ENGINEER	RECOMMENDED <i>[Signature]</i> PRINCIPAL ENGINEER APPROVED <i>[Signature]</i> 24.10.89 SECRETARY	SCALES HORIZONTAL & VERTICAL m. 1 : 100	SHEET 115 OF 281 PROJECT No. S.C.120-33-814/A	CENTRAL / GULF PROVINCES TRANS-ISLAND HIGHWAY BEREINA-MALALAU SECTION CROSS SECTIONS CH. 5 + 425 — CH. 5 + 625 PAPUA NEW GUINEA DEPARTMENT OF WORKS DRAWING No. A1/ 87873	REV.
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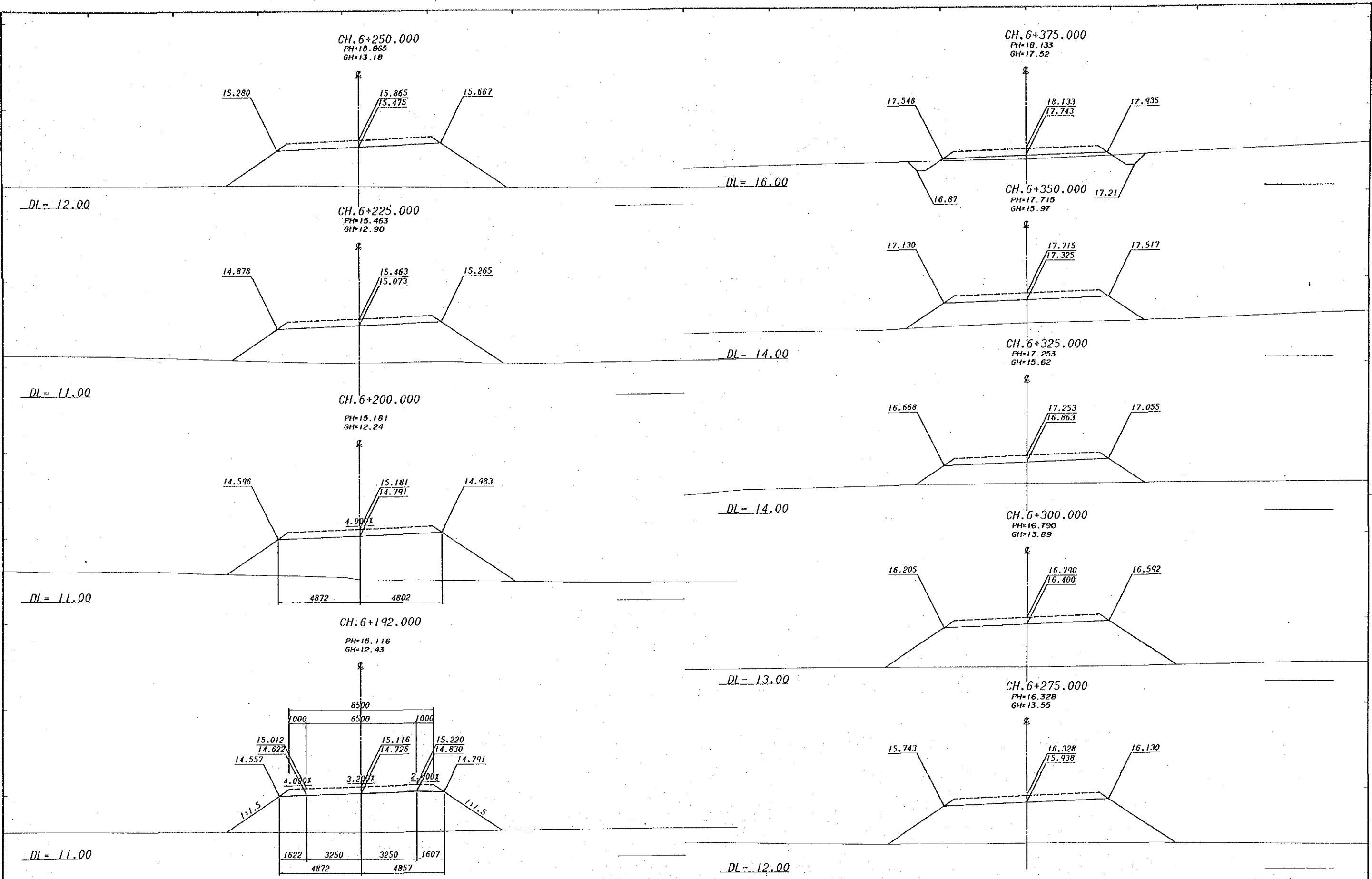
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				SURVEY		DESIGN		DRAWN	RECOMMENDED		SCALES HORIZONTAL & VERTICAL m. 1:100	CENTRAL / GULF PROVINCES																																				
JICA		JAPAN INTERNATIONAL CO-OPERATION AGENCY		K.E.	PROJECT ENGINEER	TRANS-ISLAND HIGHWAY BEREINA-MALALAU SECTION																																										
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<i>C.S.A.</i>	<i>A. M. J. p. m.</i>																																															
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<i>R. K. p. m.</i>																																																
APPROVED																																																
<i>P. H. p. m.</i>	<i>F.S. (TS)</i>																																															
24.10.99	SECRETARY																																															
PROJECT No.		DRAWING No.																																														
S.C. 120-33-814/A																																																
<table border="1"> <tr> <td>VERTICAL DATUM</td> <td colspan="2">MEAN SEA LEVEL</td> <td colspan="2">DATE</td> <td colspan="2">25 Sep. 1989</td> </tr> <tr> <td>HORIZONTAL DATUM</td> <td colspan="2"></td> <td colspan="2">DATE</td> <td colspan="2"></td> </tr> </table>				VERTICAL DATUM	MEAN SEA LEVEL		DATE		25 Sep. 1989		HORIZONTAL DATUM			DATE				<table border="1"> <tr> <td>PROJECT No.</td> <td colspan="2">DRAWING No.</td> </tr> <tr> <td>S.C. 120-33-814/A</td> <td colspan="2">A1/ 87874</td> </tr> </table>		PROJECT No.	DRAWING No.		S.C. 120-33-814/A	A1/ 87874																								
VERTICAL DATUM	MEAN SEA LEVEL		DATE		25 Sep. 1989																																											
HORIZONTAL DATUM			DATE																																													
PROJECT No.	DRAWING No.																																															
S.C. 120-33-814/A	A1/ 87874																																															
AMENDMENTS							<table border="1"> <tr> <td>BY</td> <td>APP'D</td> <td>DATE</td> <td>PAPUA NEW GUINEA</td> <td colspan="2">DEPARTMENT OF WORKS</td> </tr> </table>				BY	APP'D	DATE	PAPUA NEW GUINEA	DEPARTMENT OF WORKS																																	
BY	APP'D	DATE	PAPUA NEW GUINEA	DEPARTMENT OF WORKS																																												



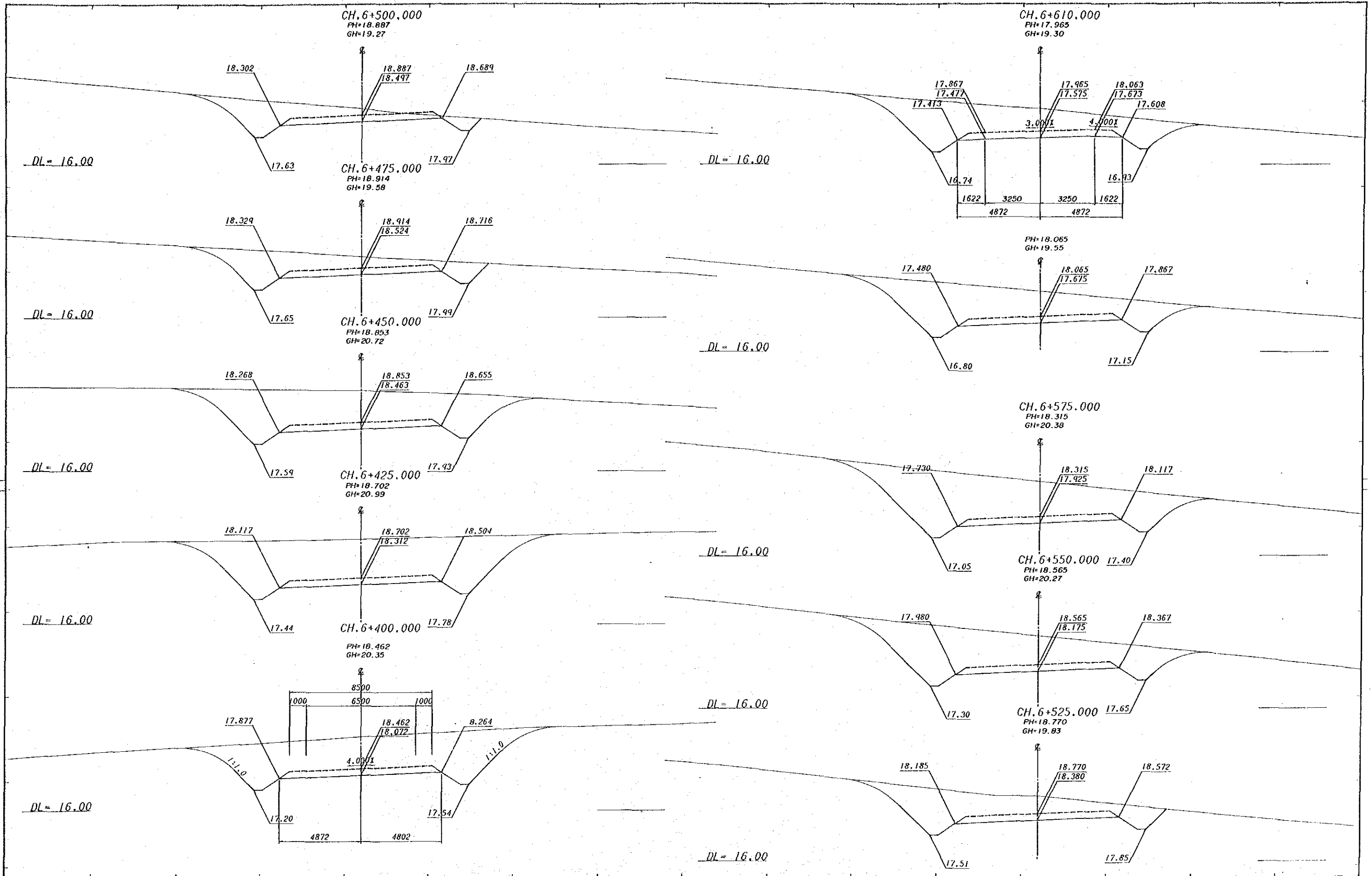
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					VERTICAL DATUM MEAN SEA LEVEL.		CHECKED	PRINCIPAL ENGINEER	HORIZONTAL & VERTICAL m.	CROSS SECTIONS	
					HORIZONTAL DATUM		DESIGNED	APPROVED	1:100	CH. 5 + 825 — CH. 5 + 975	
					DATE	23 Sep. 1989	CHECKED	SECRETARY	SHEET 117 OF 281	PAPUA NEW GUINEA	DRAWING No.
					DATE			SECRETARY	S.C. 120-33-814/A	DEPARTMENT OF WORKS	A1/ 87875



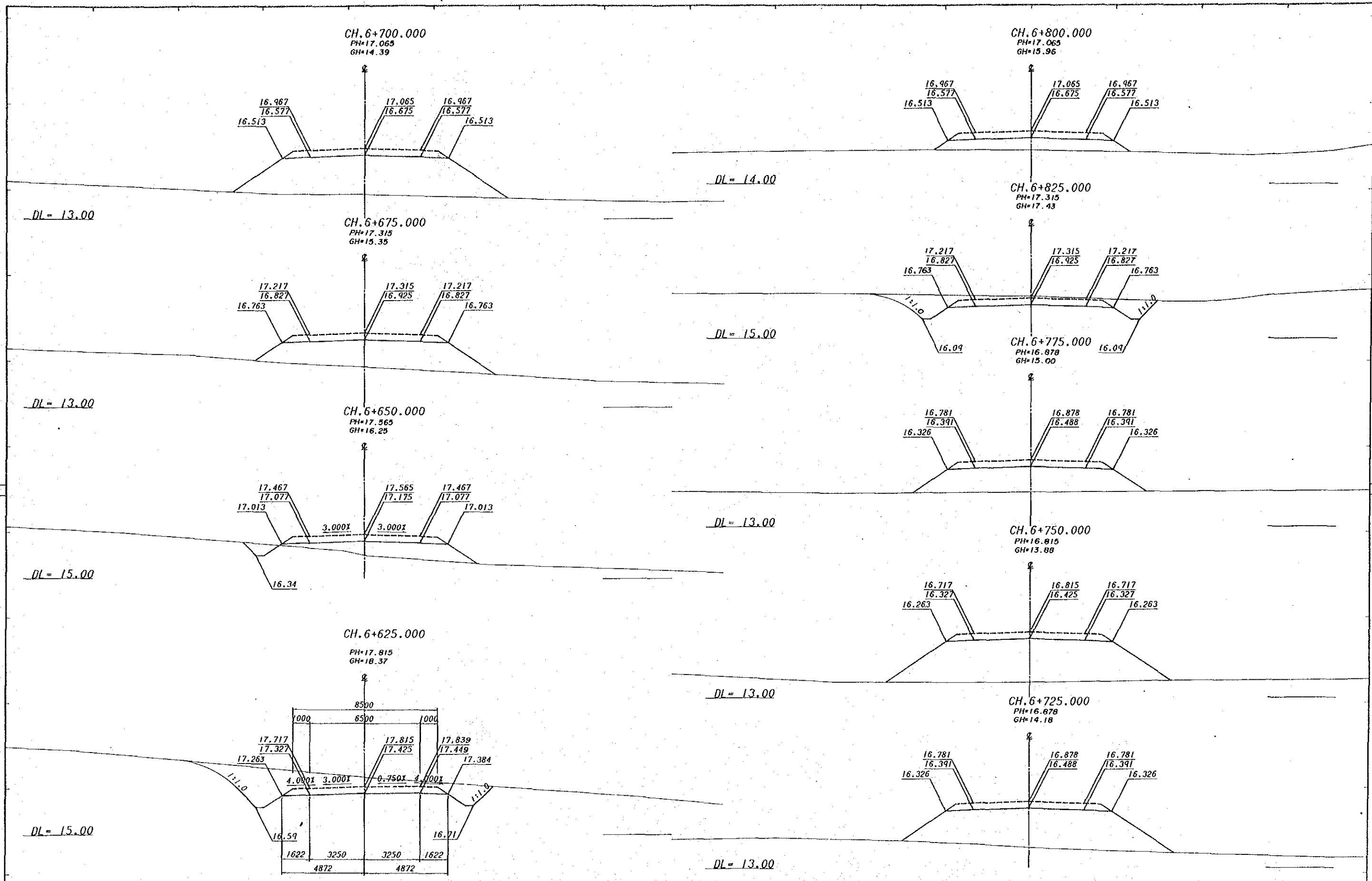
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							VERTICAL DATUM MEAN SEA LEVEL		CHECKED	PROJECT ENGINEER	HORIZONTAL & VERTICAL m. 1 : 100	CROSS SECTIONS	
							HORIZONTAL DATUM		DESIGNED	PRINCIPAL ENGINEER		CH. 6 + 0 — CH. 6 + 175	
						SURVEY BOOK NO.	25 Sep. 1989	CHECKED	EXECUTIVE ENGINEER	PROJECT No. S.C. 120-33-814/A	PAPUA NEW GUINEA DEPARTMENT OF WORKS		
							Date		SECRETARY	SHEET 118 OF 281	DRAWING No. A1/ 87876		



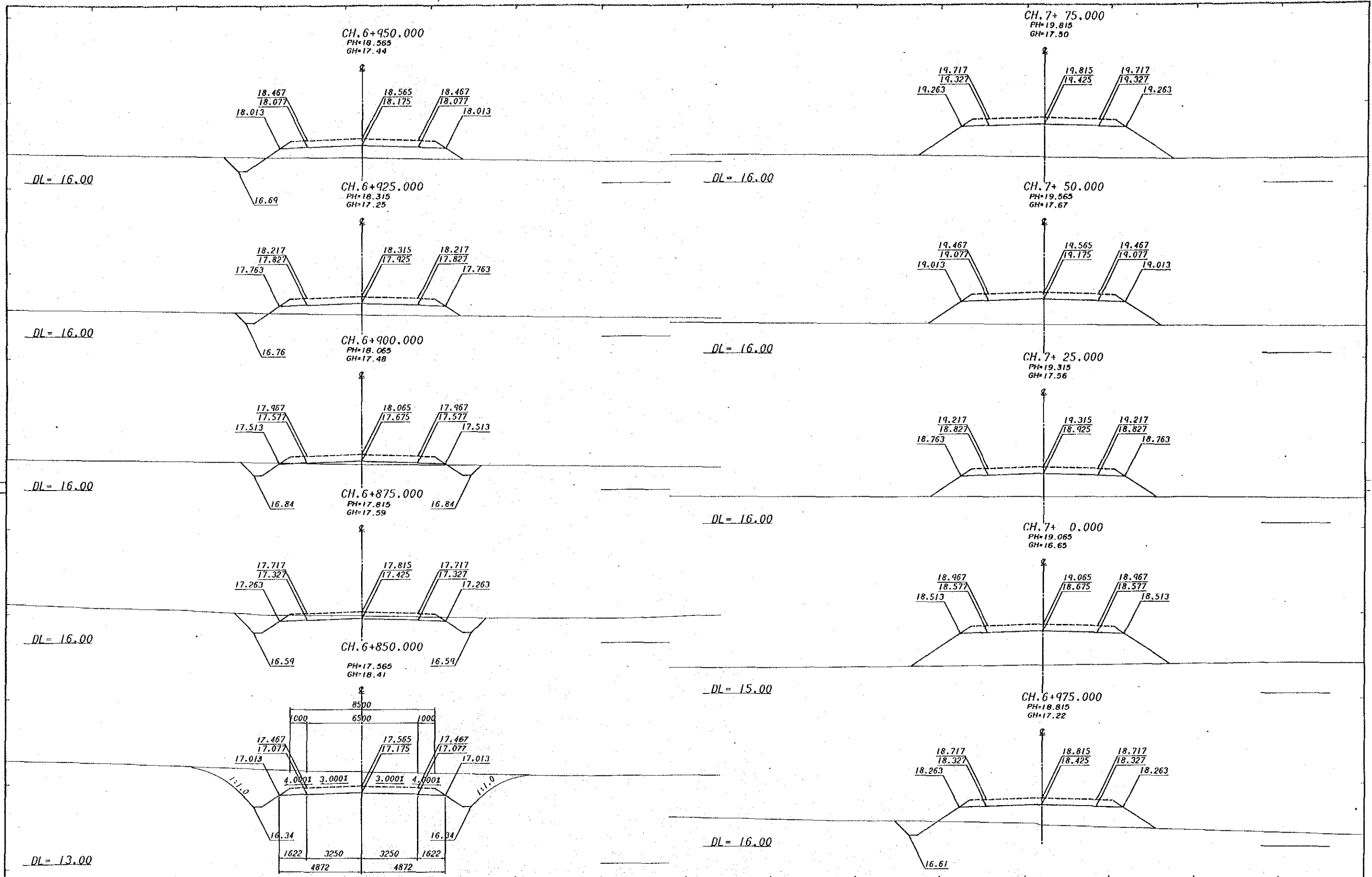
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VERTICAL DATUM MEAN SEA LEVEL		Principal J. H. ... 25 Sep. 1989		CHECKED A. Mapaka EXECUTIVE ENGINEER		APPROVED Principal Engineer S. ... SECRETARY		PROJECT No. S.C. 120-33-814/A		PAPUA NEW GUINEA DEPARTMENT OF WORKS DRAWING No. A1/ 87877	
REV.	AMENDMENTS	BY	APP'D	DATE				SHEET 119 OF 281			



JICA SURVEY BOOK NO. 8 Date: 25 Sep. 1989		JAPAN INTERNATIONAL CO-OPERATION AGENCY Principal: J. Hamada Date: 25 Sep. 1989		DESIGN DRAWN: K.E. CHECKED: [Signature] DESIGNED: A. Mafah CHECKED: [Signature]		RECOMMENDED PROJECT ENGINEER: [Signature] PRINCIPAL ENGINEER: [Signature] APPROVED: J. [Signature] SECRETARY: [Signature]		SCALES HORIZONTAL & VERTICAL m. 1 : 100		CENTRAL / GULF PROVINCES TRANS-ISLAND HIGHWAY BEREINA-MALALAU SECTION CROSS SECTIONS CH. 6 + 400 — CH. 6 + 610 PAPUA NEW GUINEA DEPARTMENT OF WORKS	
REV.	AMENDMENTS	BY	APP'D	DATE	SHEET 120 OF 281	PROJECT No. S.C.120-33-814/A	DRAWING No. A1/ 87878		REV.		

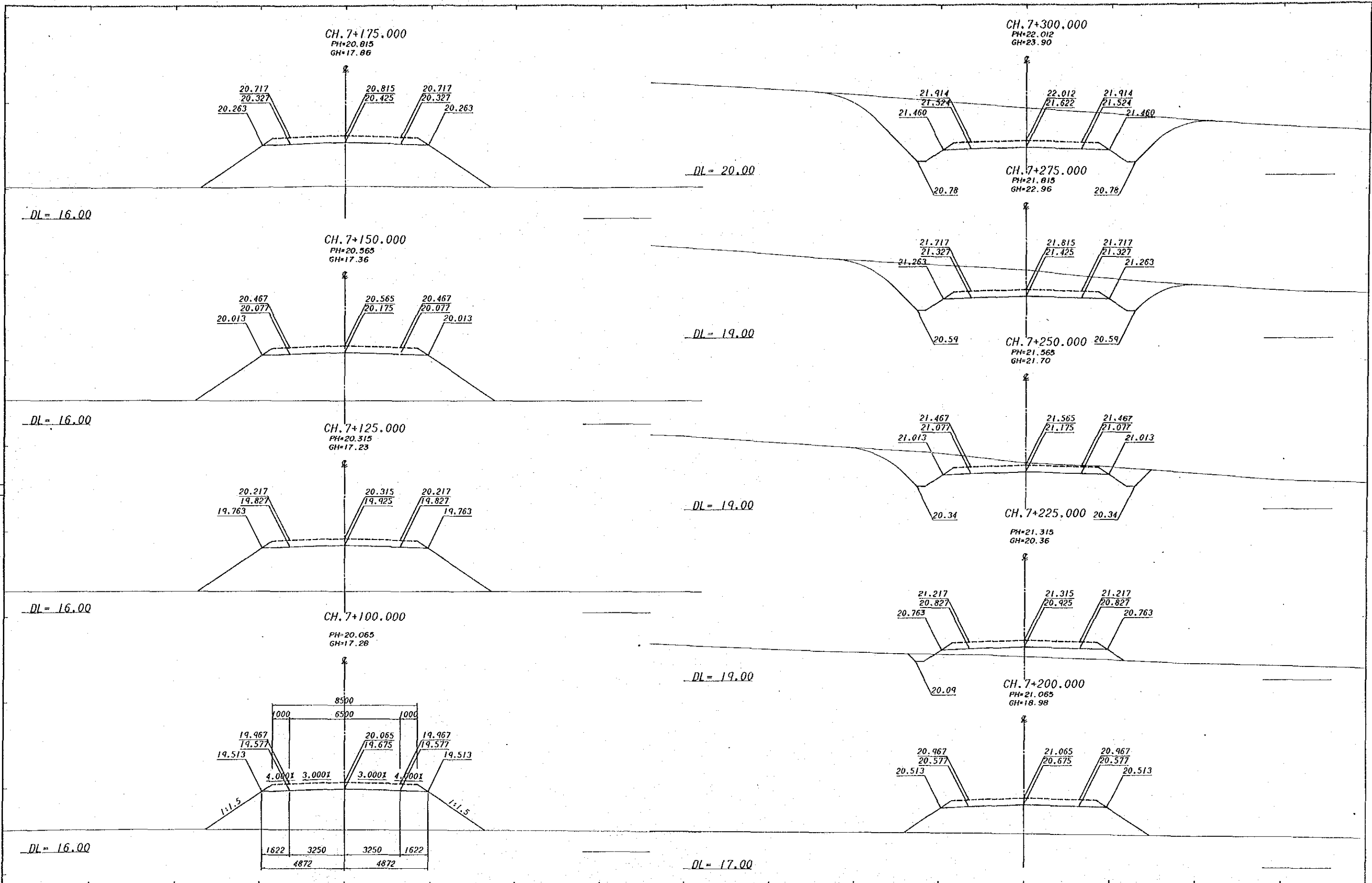


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REV.	AMENDMENTS	BY	APP'D	DATE							

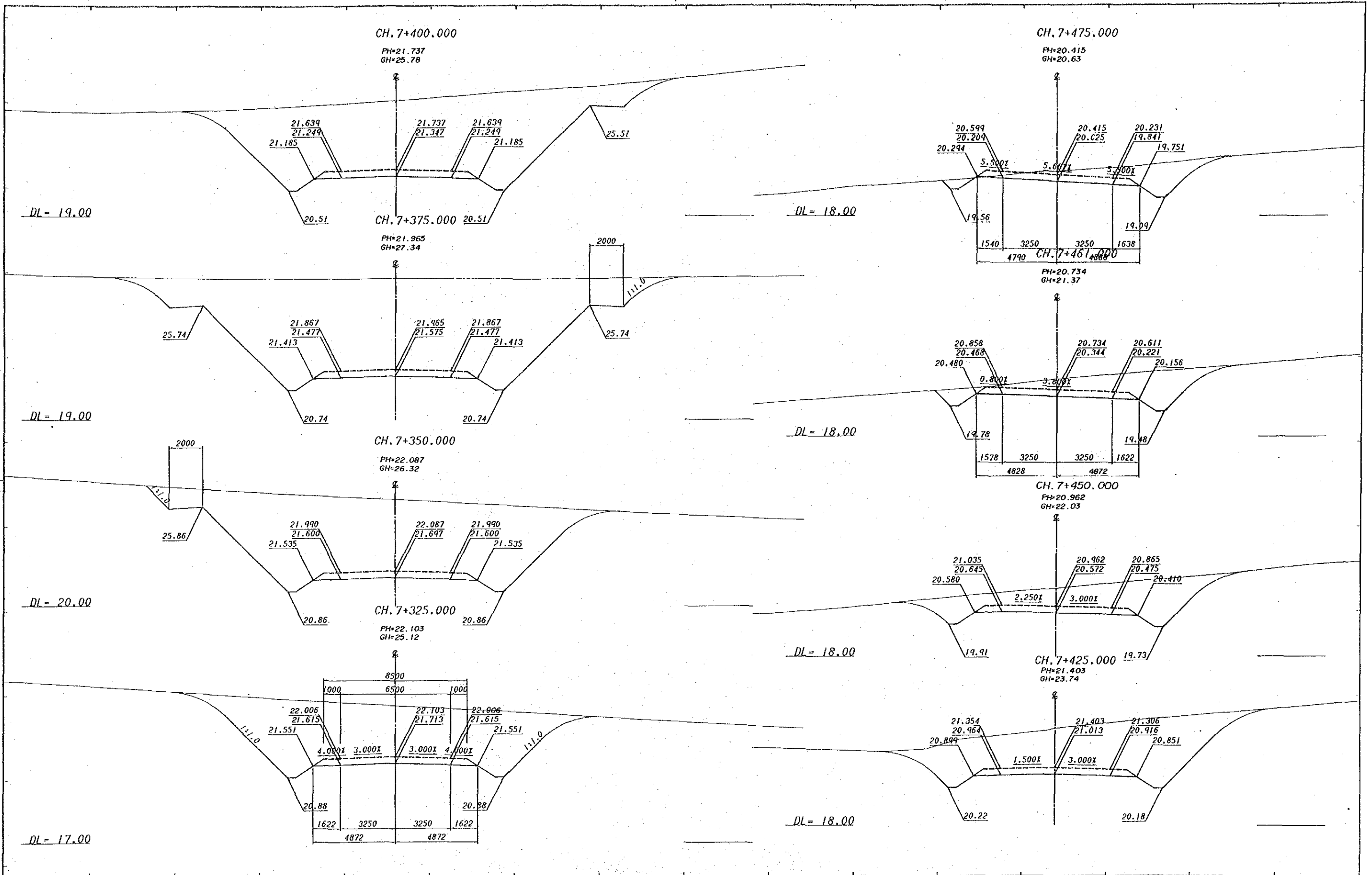


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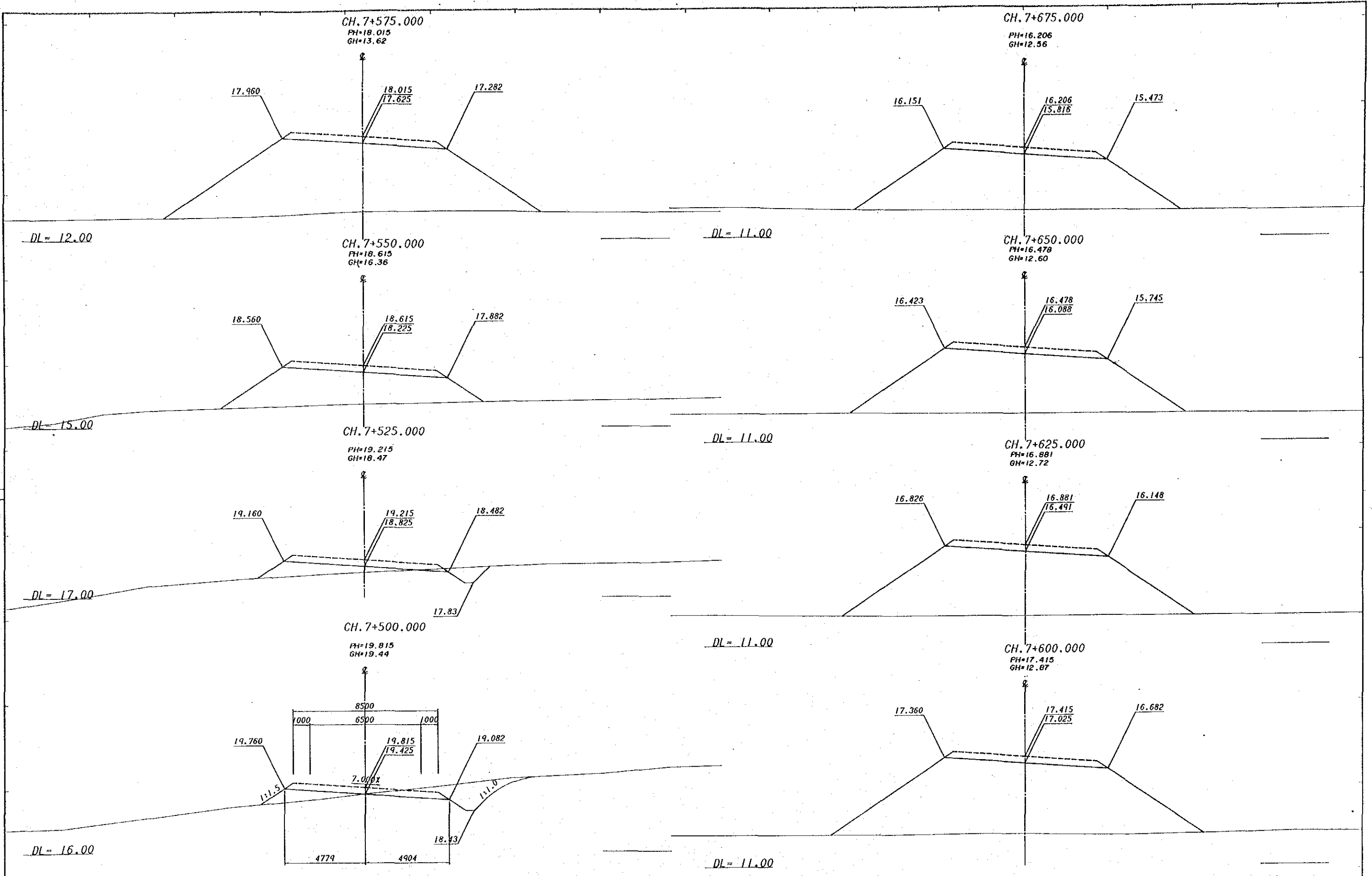
SHEET 122 OF 281 PROJECT No. S.C. 120-33-814/A



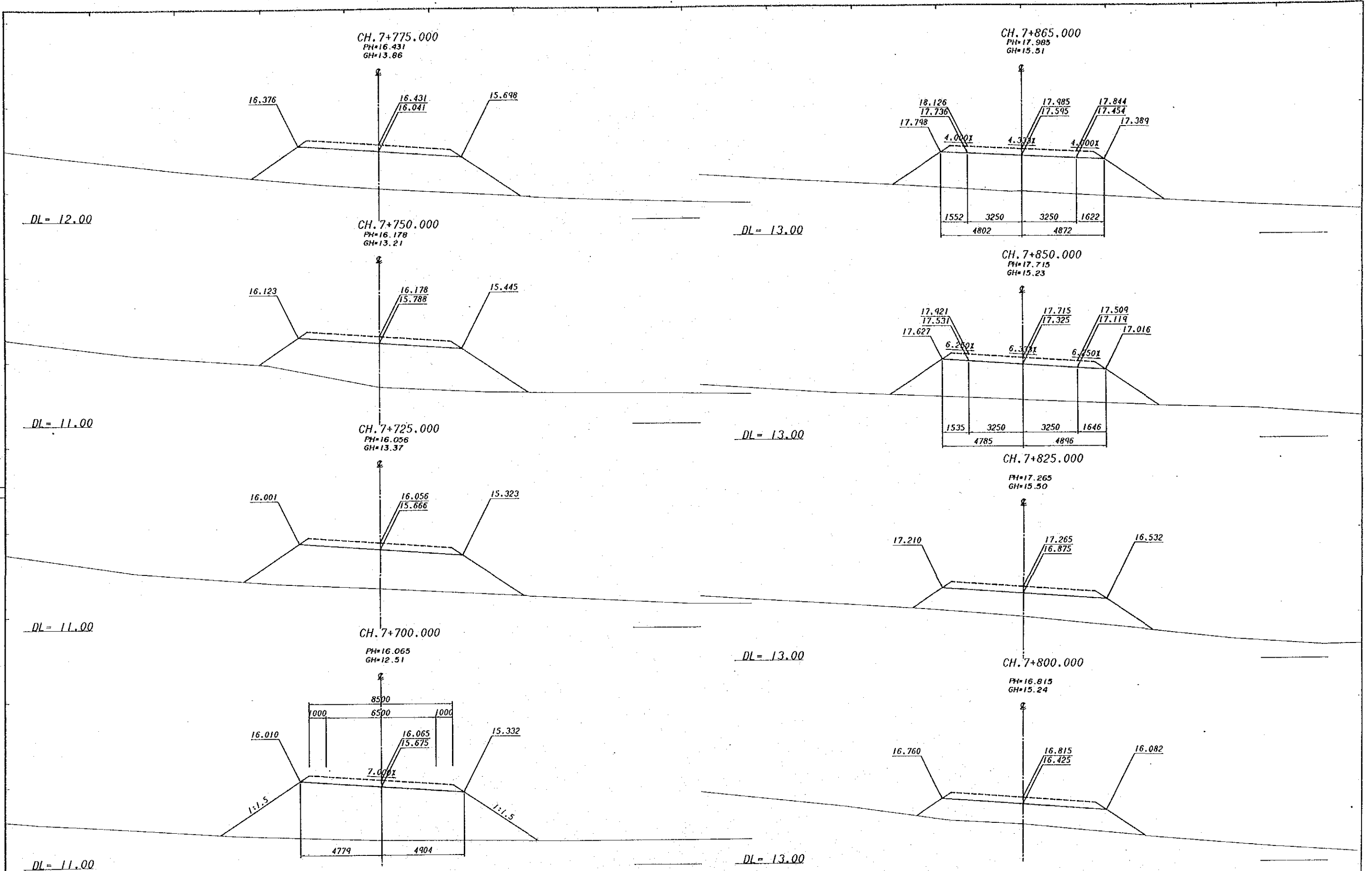
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							JICA		JAPAN INTERNATIONAL CO-OPERATION AGENCY		K.E.		K. E. [Signature]		HORIZONTAL & VERTICAL m. 1:100		TRANS-ISLAND HIGHWAY BEREINA-MALALAU SECTION	
							VERTICAL DATUM MEAN SEA LEVEL		JAPAN INTERNATIONAL CO-OPERATION AGENCY		CHECKED [Signature]		PRINCIPAL ENGINEER [Signature]		PROJECT No. S.C. 120-33-814/A		CH. 7 + 100 — CH. 7 + 300	
							HORIZONTAL DATUM		25 Sep. 1989		DESIGNED [Signature]		APPROVED [Signature]		SHEET 123 OF 281		PAPUA NEW GUINEA DEPARTMENT OF WORKS	
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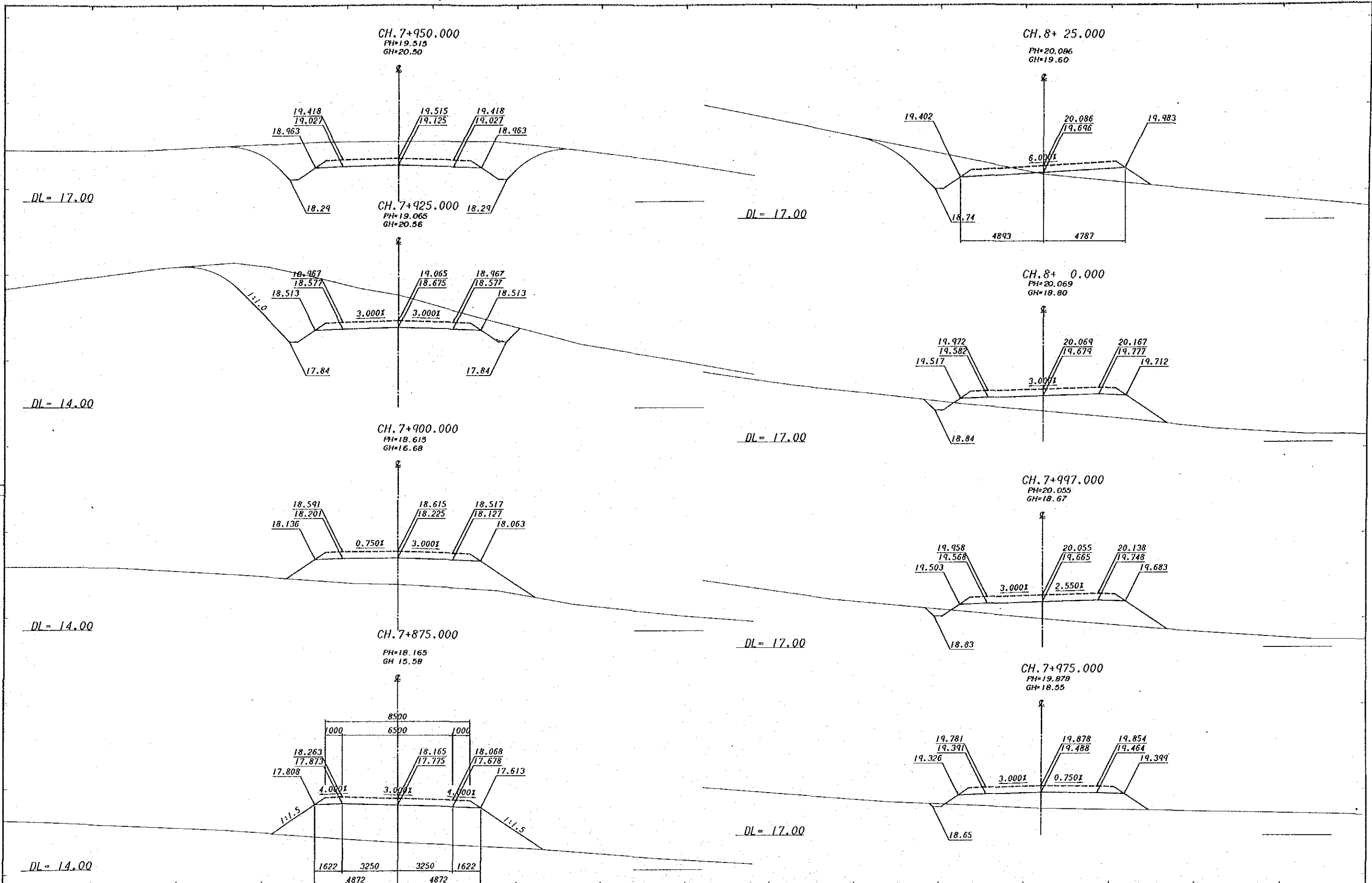
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							MEAN SEA LEVEL		25 Sep. 1985		A. Mafatu		PRINCIPAL ENGINEER		PROJECT No. S.C.120-33-814/A		CROSS SECTIONS	
							SURVEY BOOK No. 8		Date		G. K. K...		SECRETARY		SHEET 124 OF 281		CH. 7 + 325 — CH. 7 + 475	
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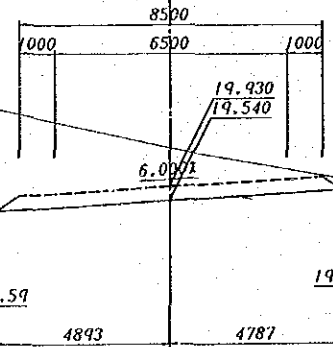
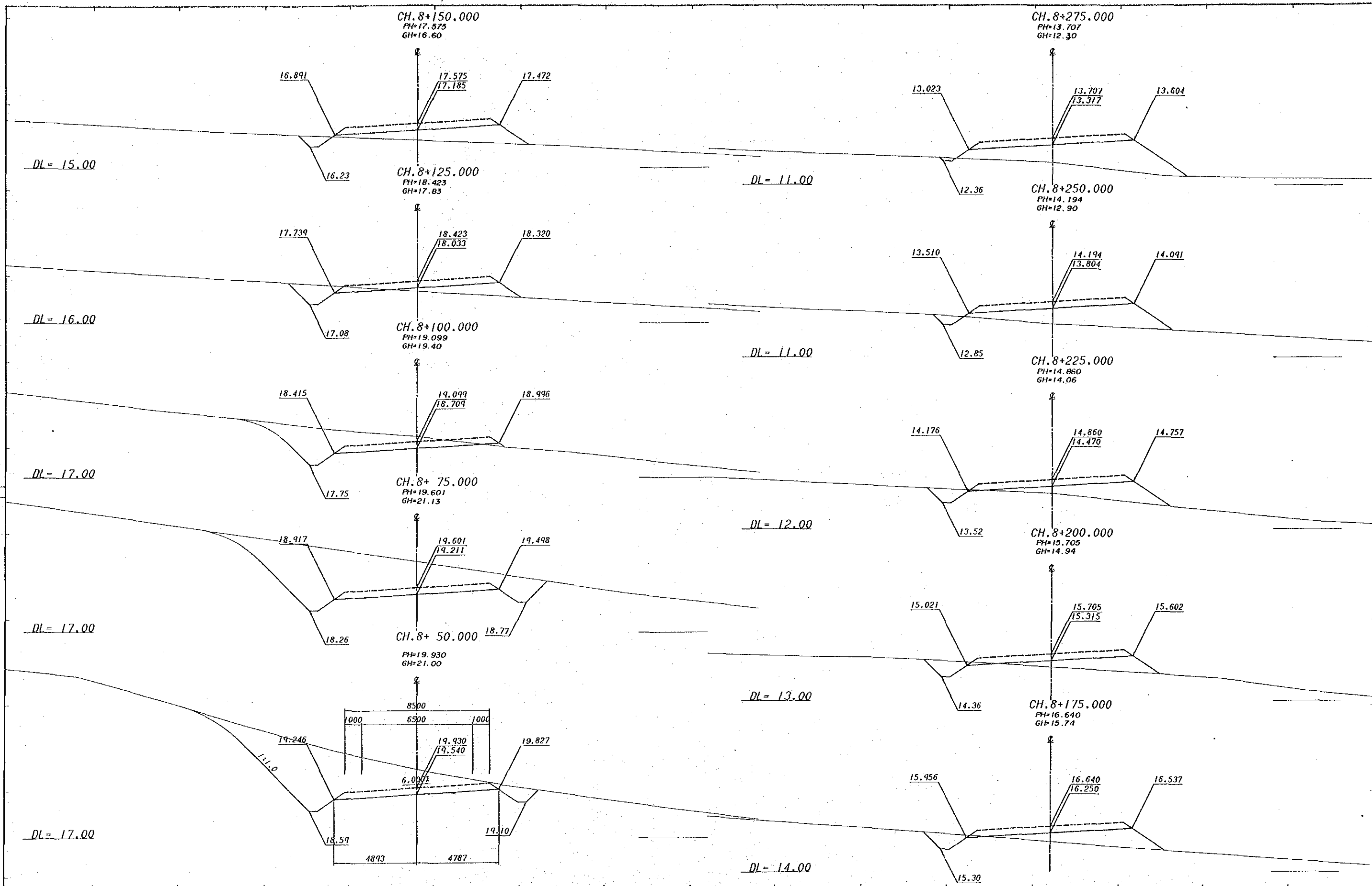
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							VERTICAL DATUM MEAN SEA LEVEL		J. ...		CHECKED C. ...		PROJECT ENGINEER		APPROVED 27. 9. 79		CROSS SECTIONS	
							HORIZONTAL DATUM		25 Sep. 1989		DESIGNED C. ...		PRINCIPAL ENGINEER		SHEET 125 OF 281		CH. 7 + 500 — CH. 7 + 675	
							SURVEY BOOK NO. 8		Date		CHECKED T. ...		EXECUTIVE ENGINEER		PROJECT No. S.C. 120-33-814/A		PAPUA NEW GUINEA DEPARTMENT OF WORKS	
															DRAWING No. A1/ 87883		REV.	



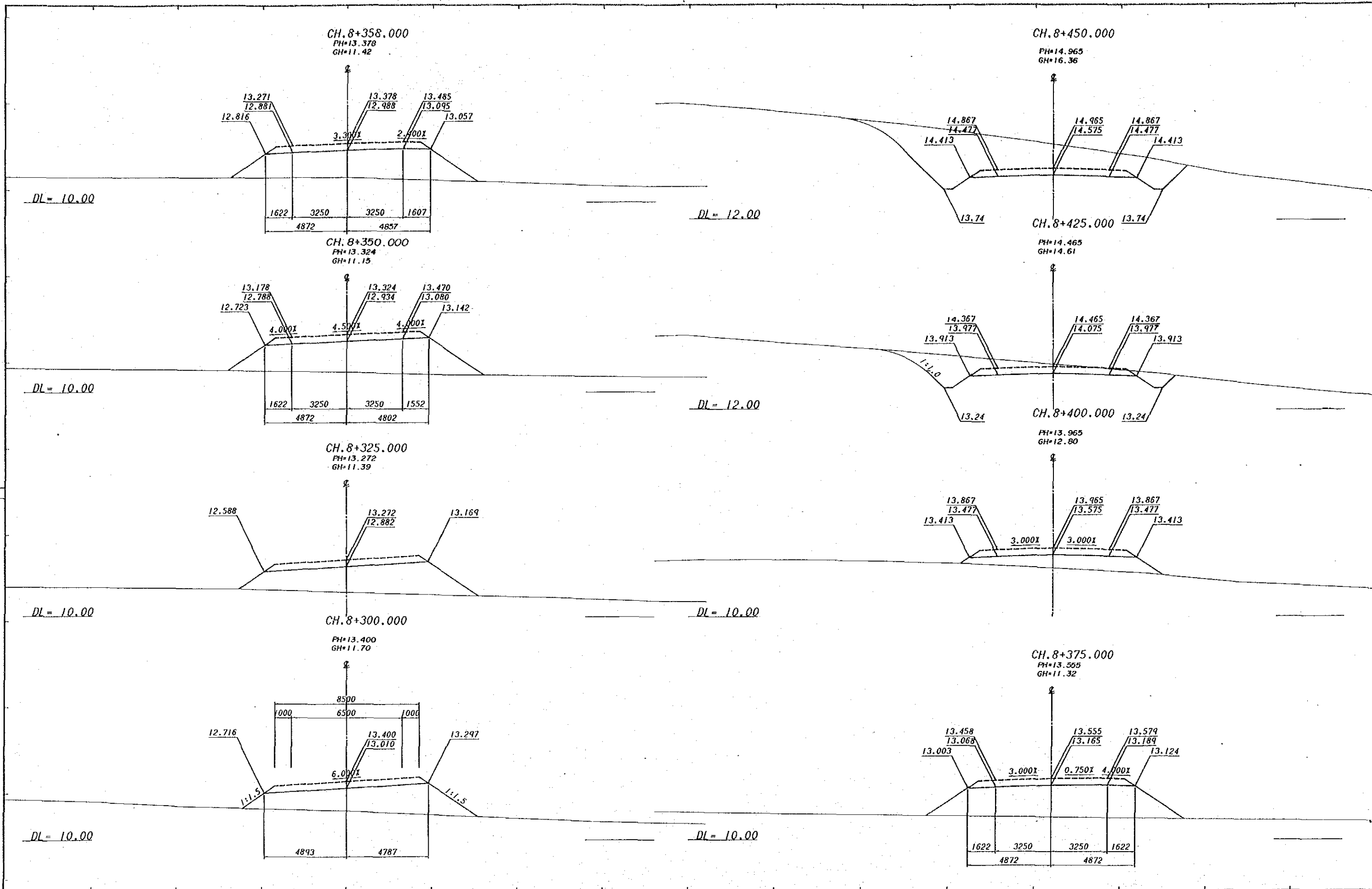
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VERTICAL DATUM MEAN SEA LEVEL		[Signatures]		PROJECT ENGINEER		PRINCIPAL ENGINEER		1 : 100		CROSS SECTIONS	
HORIZONTAL DATUM		[Signatures]		EXECUTIVE ENGINEER		APPROVED		SHEET 126 OF 281		CH. 7 + 700 — CH. 7 + 865	
SURVEY BOOK NO. 8		25 Sep. 1959		[Signatures]		[Signatures]		PROJECT No. S.C.120-33-814/A		PAPUA NEW GUINEA DEPARTMENT OF WORKS	
AMENDMENTS		BY APP'D DATE		Principal		Secretary		DRAWING No. A1/ 87884		REV.	



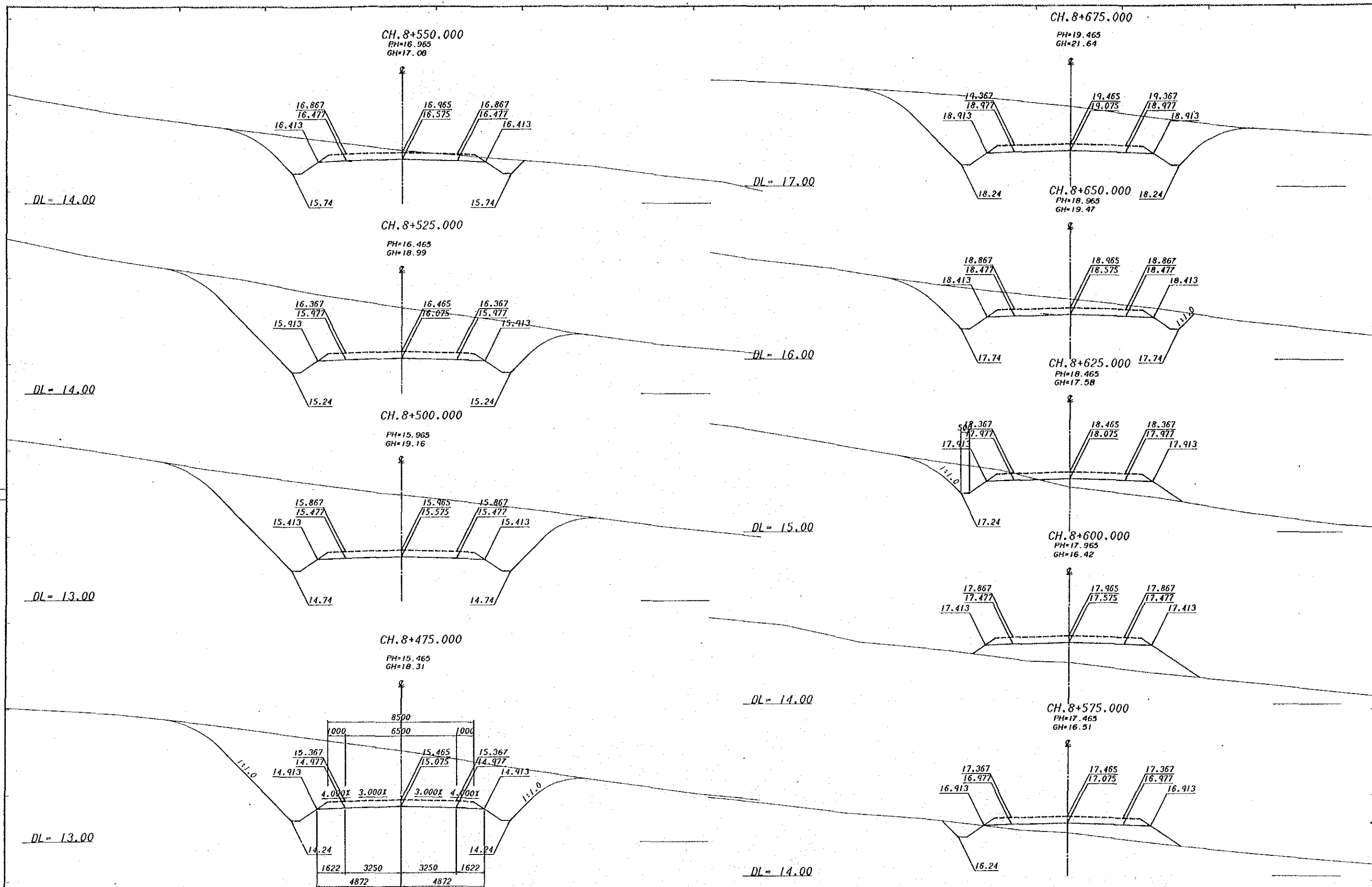
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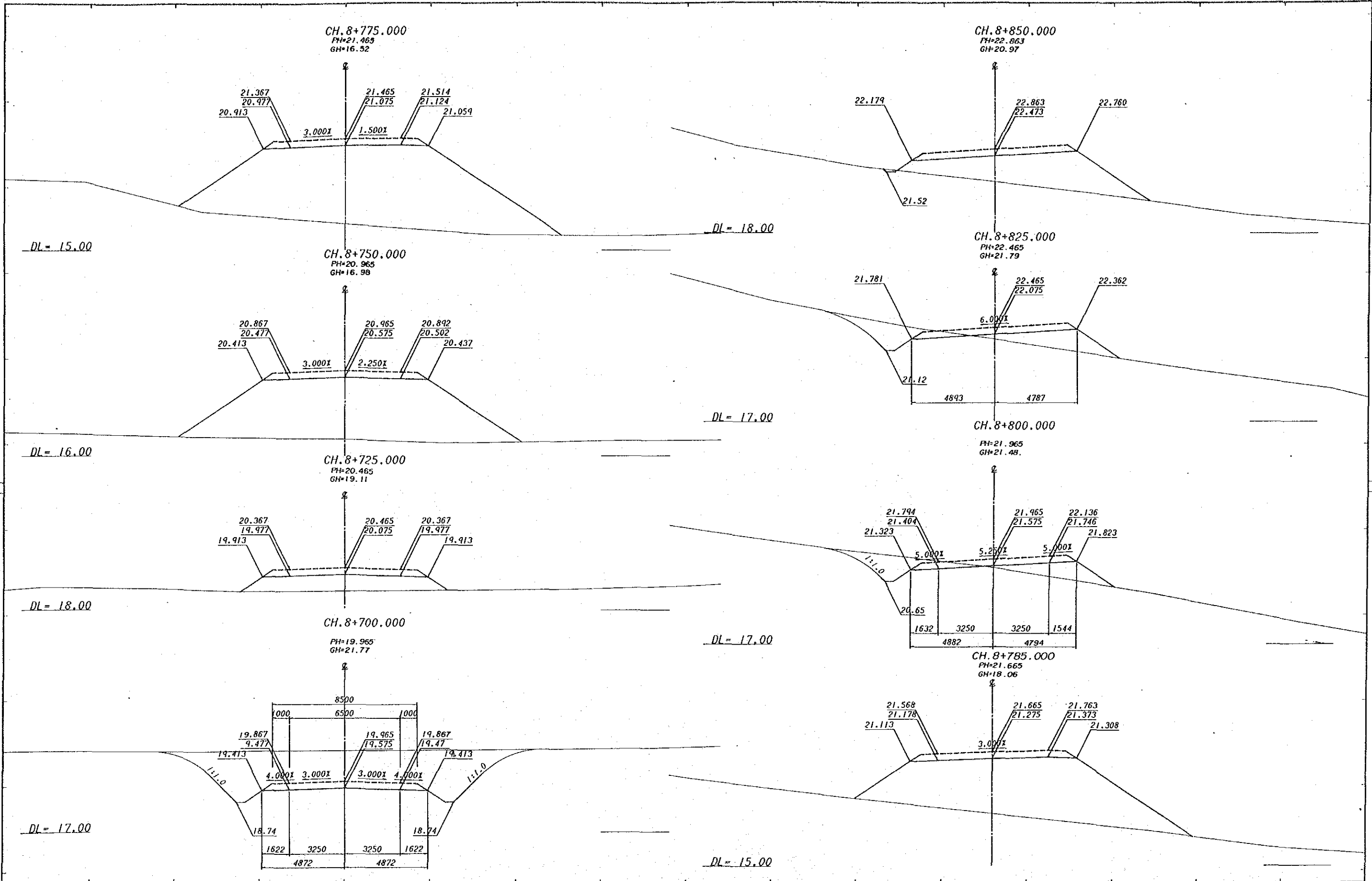
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VERTICAL DATUM MEAN SEA LEVEL		J. J. J. J.		PROJECT ENGINEER		PRINCIPAL ENGINEER		SHEET 128 OF 281		TRANS-ISLAND HIGHWAY BEREINA-MALALUA SECTION	
HORIZONTAL DATUM		25 Sep. 1989		EXECUTIVE ENGINEER		APPROVED		PROJECT No. S.C.120-33-814/A		CROSS SECTIONS	
SURVEY BOOK NOS.		Date		2/2/89		SECRETARY		PAPUA NEW GUINEA		CH. 8 + 50 — CH. 8 + 275	
BY		APP'D		DATE		DATE		DEPARTMENT OF WORKS		DRAWING No. A1/ 87886	



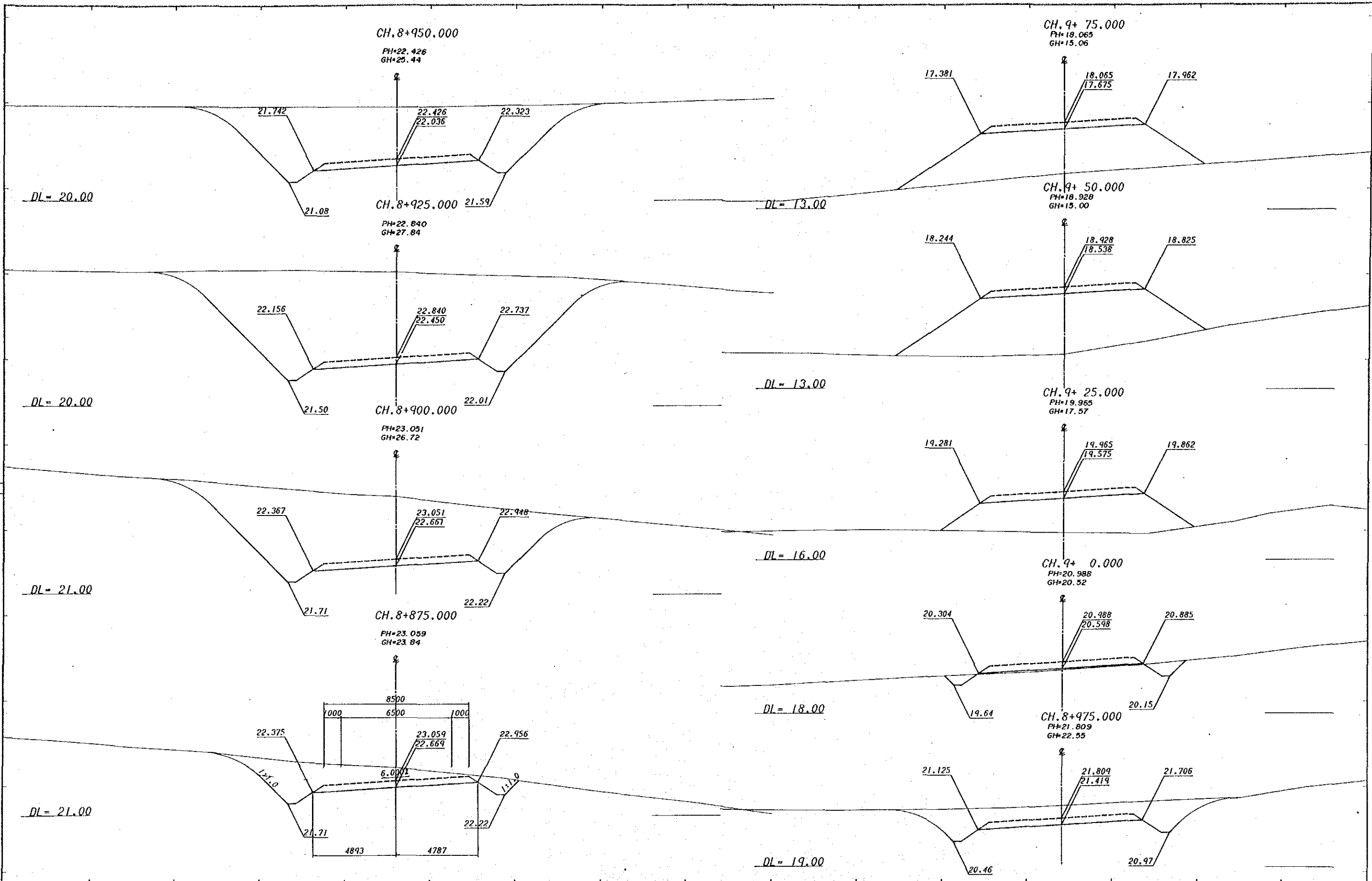
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VERTICAL DATUM MEAN SEA LEVEL		JAPAN INTERNATIONAL CO-OPERATION AGENCY		PROJECT ENGINEER [Signature]		PRINCIPAL ENGINEER [Signature]		PROJECT No. S.C.120-33-814/A		TRANS-ISLAND HIGHWAY BEREINA-MALALAU SECTION	
HORIZONTAL DATUM		Principal J. H. [Signature]		EXECUTIVE ENGINEER [Signature]		APPROVED [Signature]		SHEET 129 OF 281		CROSS SECTIONS CH. 8 + 300 — CH. 8 + 450	
SURVEY BOOK NO.		Date 25 Sep. 1989		Date		SECRETARY FAS (TS)		DEPARTMENT OF WORKS		DRAWING No. A1/ 87887	
AMENOMENTS		BY		APP'D		DATE		PAPUA NEW GUINEA		REV.	



SURVEY		DESIGN		DRAWN		RECOMMENDED		SCALES		CENTRAL / GULF PROVINCES	
JICA		JAPAN INTERNATIONAL CO-OPERATION AGENCY		K.E.		[Signatures]		 HORIZONTAL & VERTICAL m. 1 : 100		TRANS-ISLAND HIGHWAY BEREINA-MALALAU SECTION	
Date		Date		PROJECT ENGINEER		PRINCIPAL ENGINEER				CROSS SECTIONS	
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MEAN SEA LEVEL				[Signature]		[Signature]				PAPUA NEW GUINEA	
HORIZONTAL DATUM				EXECUTIVE ENGINEER		SECRETARY				DEPARTMENT OF WORKS	
SURVEY BOOK N.T.S.		25 Sep. 1989		Date		PROJECT No.		SHEET 130 OF 281		DRAWING No.	
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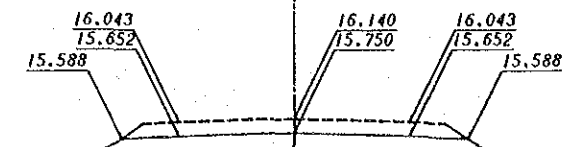
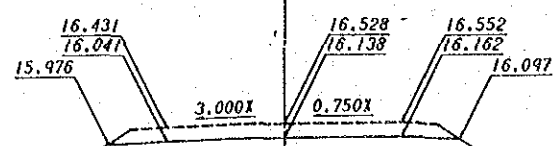
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							Date		Date		Date		Date		Date		PROJECT No. S.C. 120-33-814/A		DRAWING No. A1/ 87889	
							VERTICAL DATUM MEAN SEA LEVEL		J. H. H.		A. M.		S. L.		S. L.		PROJECT No. S.C. 120-33-814/A		DRAWING No. A1/ 87889	
							HORIZONTAL DATUM		25 Sep. 1989		24.10.89		24.10.89		S. L.		PROJECT No. S.C. 120-33-814/A		DRAWING No. A1/ 87889	
							SURVEY BOOK No.		Date		Date		Date		Date		PROJECT No. S.C. 120-33-814/A		DRAWING No. A1/ 87889	



JICA Date VERTICAL DATUM MEAN SEA LEVEL HORIZONTAL DATUM		JAPAN INTERNATIONAL CO-OPERATION AGENCY J. H. M. ... 15 Sep. 1985 Date		DESIGN DRAWN K.E. CHECKED P. ... DESIGNED A. ... CHECKED T. ...		RECOMMENDED PROJECT ENGINEER APPROVED PRINCIPAL ENGINEER 29.10.85 EXECUTIVE ENGINEER SECRETARY		SCALES HORIZONTAL & VERTICAL m. 1 : 100 SHEET 132 OF 281		CENTRAL / GULF PROVINCES TRANS-ISLAND HIGHWAY BEREINA-MALALAU SECTION CROSS SECTIONS CH. 8 + 875 — CH. 9 + 75 PAPUA NEW GUINEA DEPARTMENT OF WORKS DRAWING No. A1/ 87890	
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CH. 9+150.000
PH=16.528
GH=13.75

CH. 9+250.000
PH=16.140
GH=13.76

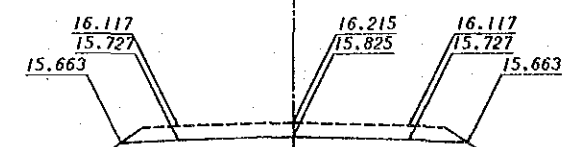
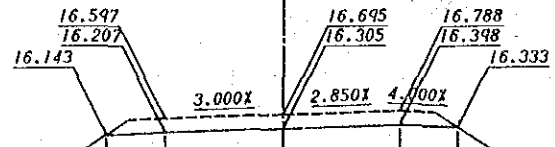


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PH=16.695
GH=13.56

CH. 9+225.000
PH=16.215
GH=13.68

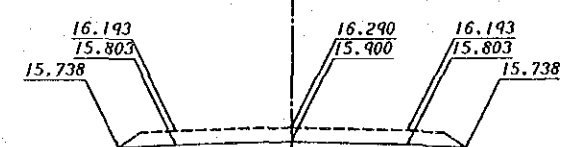
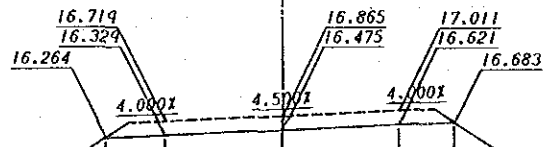


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GH=13.47

CH. 9+200.000
PH=16.290
GH=13.81

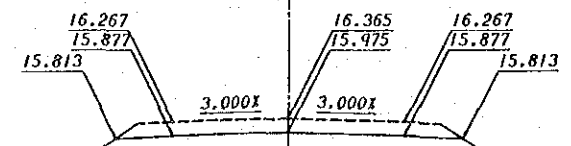
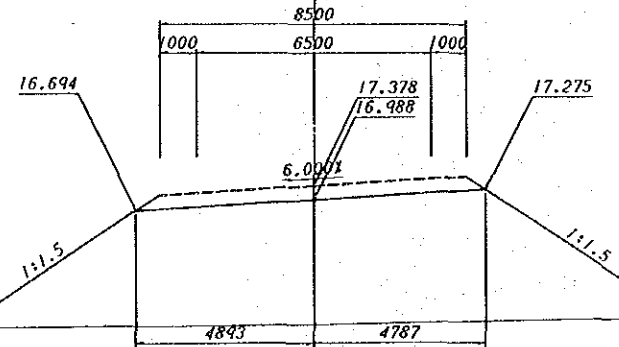


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CH. 9+100.000
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GH=13.51

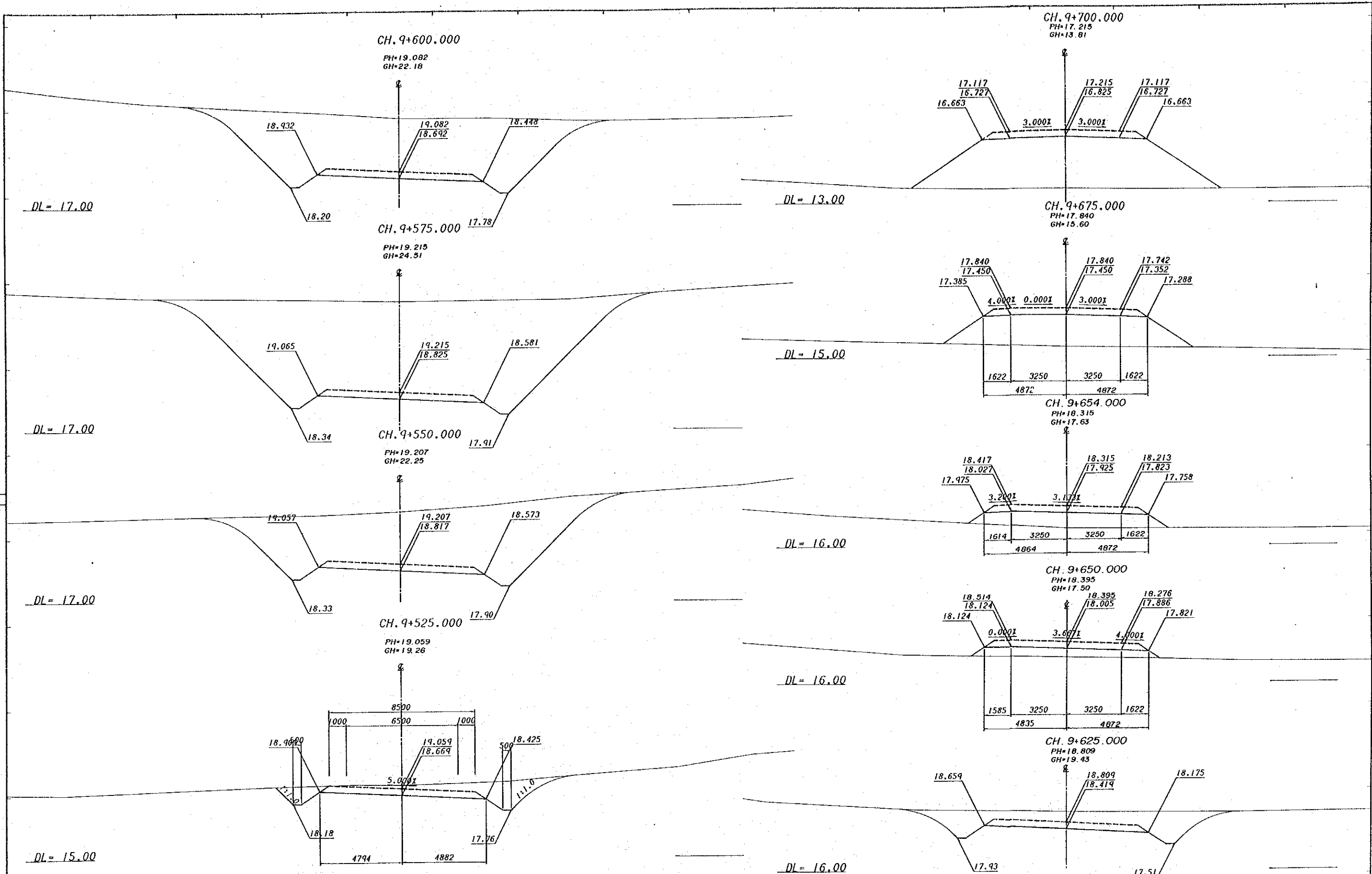
CH. 9+175.000
PH=16.365
GH=13.70



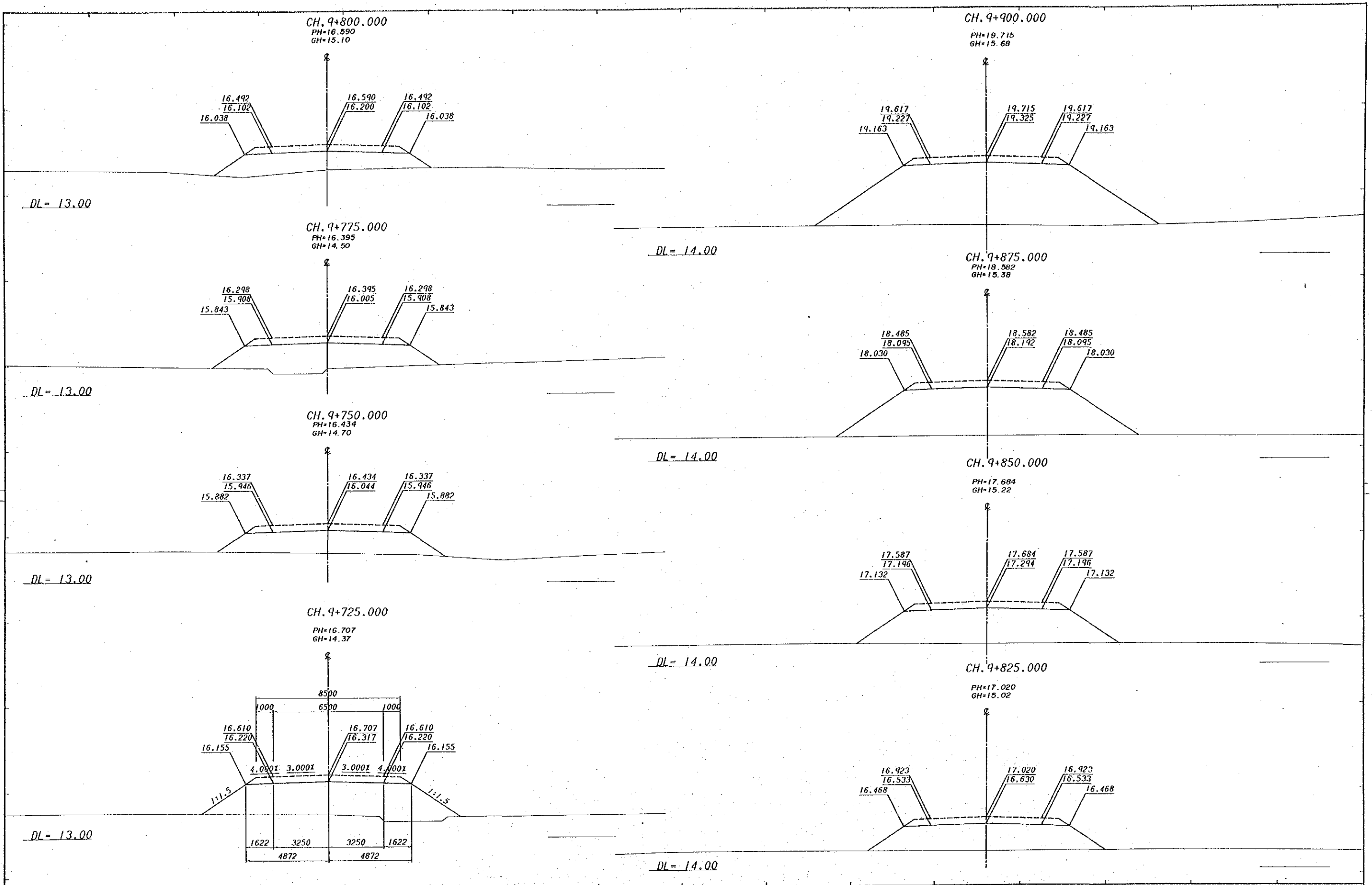
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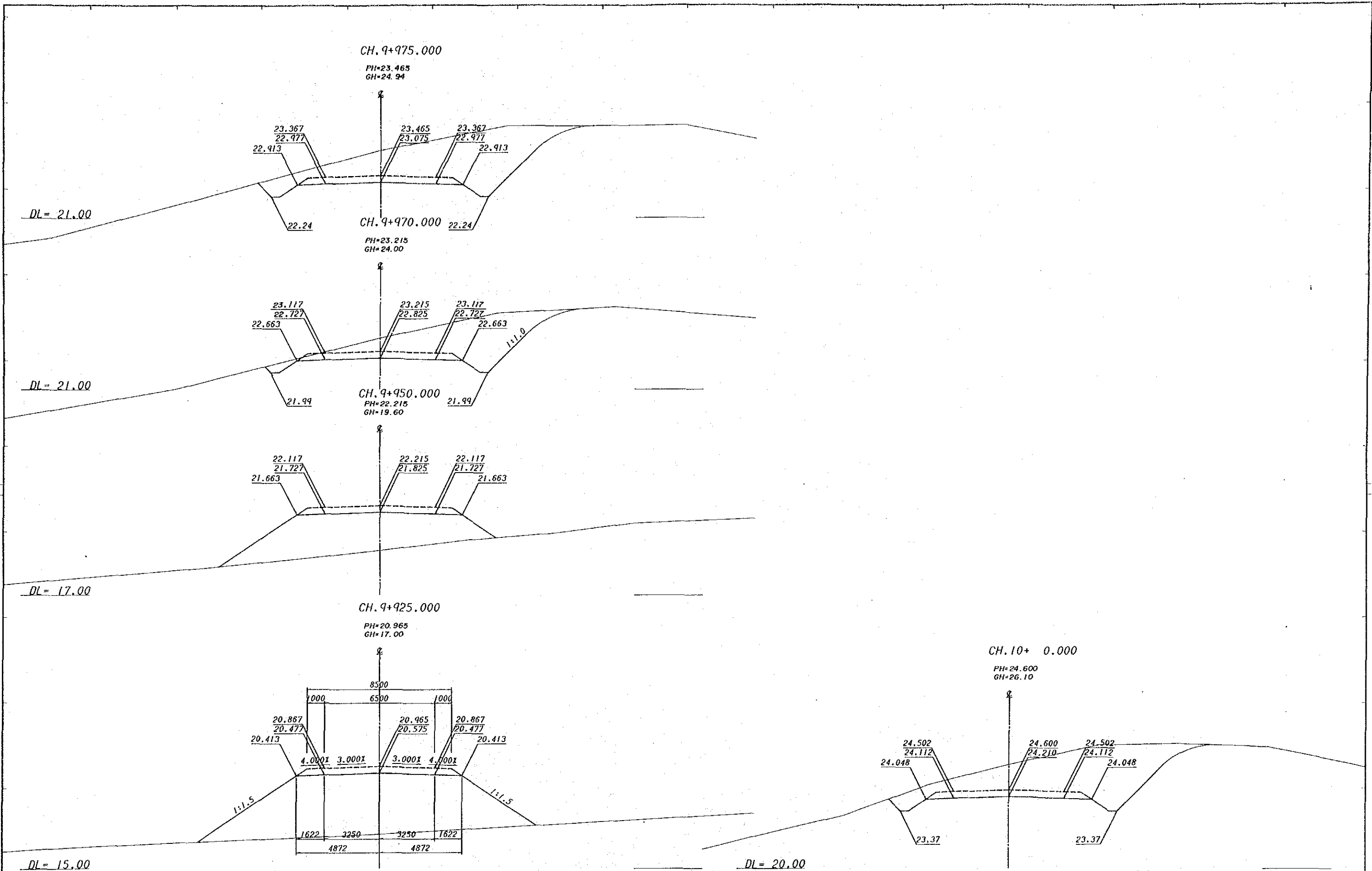
SURVEY JICA Date VERTICAL DATUM MEAN SEA LEVEL. HORIZONTAL DATUM		DESIGN JAPAN INTERNATIONAL CO-OPERATION AGENCY J. H. ... 25 Sep. 1989 Date		DRAWN K. E. CHECKED DESIGNED CHECKED		RECOMMENDED PROJECT ENGINEER APPROVED PRINCIPAL ENGINEER SECRETARY		SCALES HORIZONTAL & VERTICAL m. 1 : 100 SHEET 133 OF 281 PROJECT No. S.C.120-33-814/A		CENTRAL / GULF PROVINCES TRANS-ISLAND HIGHWAY BEREINA-MALALAU SECTION CROSS SECTIONS CH. 9 + 100 - CH. 9 + 250 PAPA HEW GUINEA DEPARTMENT OF WORKS DRAWING No. A1/ 87891		
REV.	AMENOMENTS	BY	APP'D	DATE	SURVEY BOOK REF.	Principal	Date	Principal	Date	SHEET	PROJECT No.	DRAWING No.



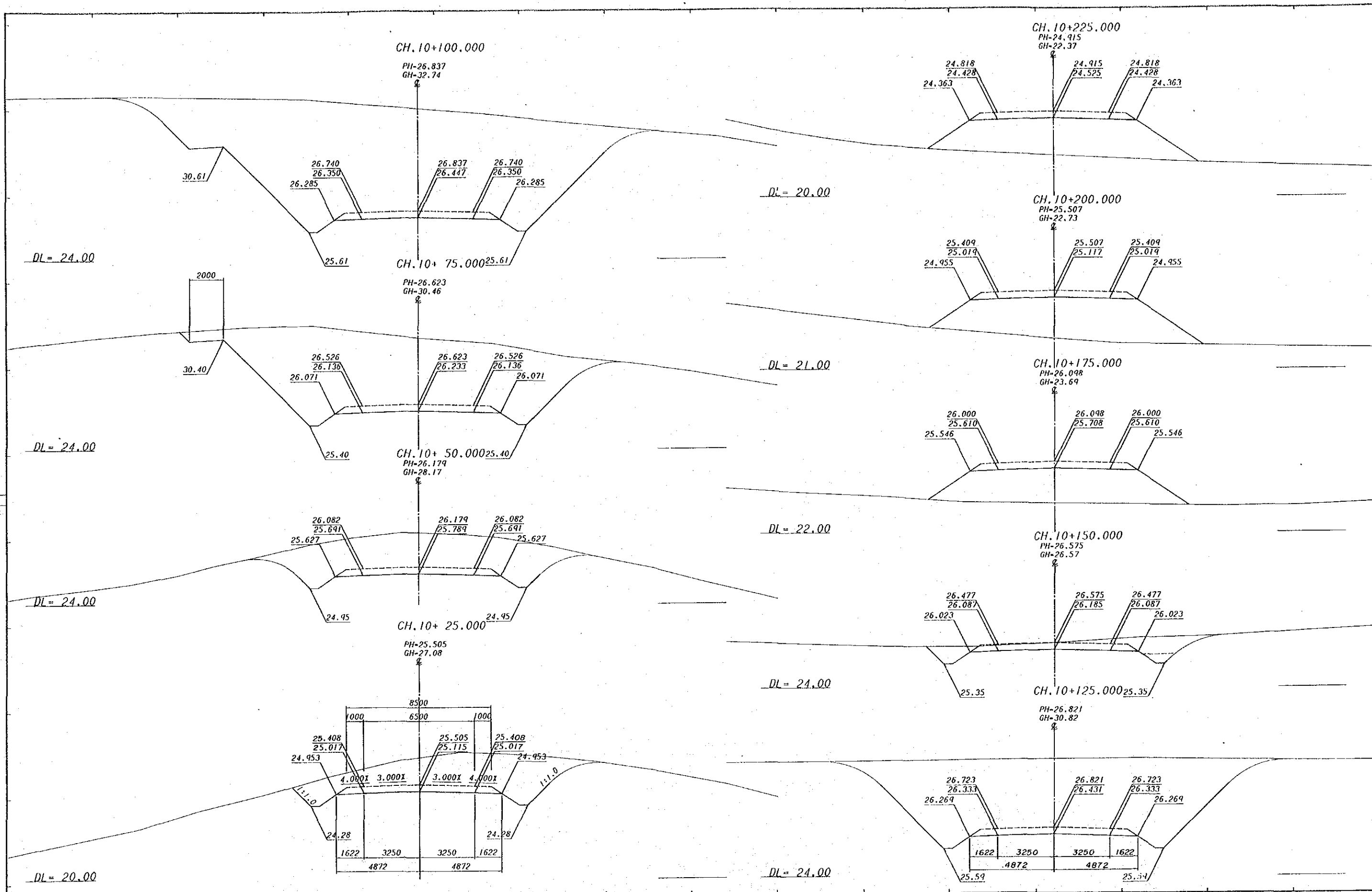
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Date		JAPAN INTERNATIONAL CO-OPERATION AGENCY		<i>[Signature]</i>		<i>[Signature]</i>		TRANS-ISLAND HIGHWAY BEREINA-MALALAU SECTION	
VERTICAL DATUM MEAN SEA LEVEL		J. H. H. H.		PROJECT ENGINEER		PRINCIPAL ENGINEER		CROSS SECTIONS	
HORIZONTAL DATUM		25 Sep. 1989		<i>[Signature]</i>		<i>[Signature]</i>		CH. 9 + 525 — CH. 9 + 700	
SURVEY BOOK NO. 8		Date		EXECUTIVE ENGINEER		SECRETARY		PAPUA NEW GUINEA DEPARTMENT OF WORKS	
AMENDMENTS		BY APP'D DATE		SHEET 135 OF 281		PROJECT No. S.C. 120-33-814/A		DRAWING No. A1/ 87893	



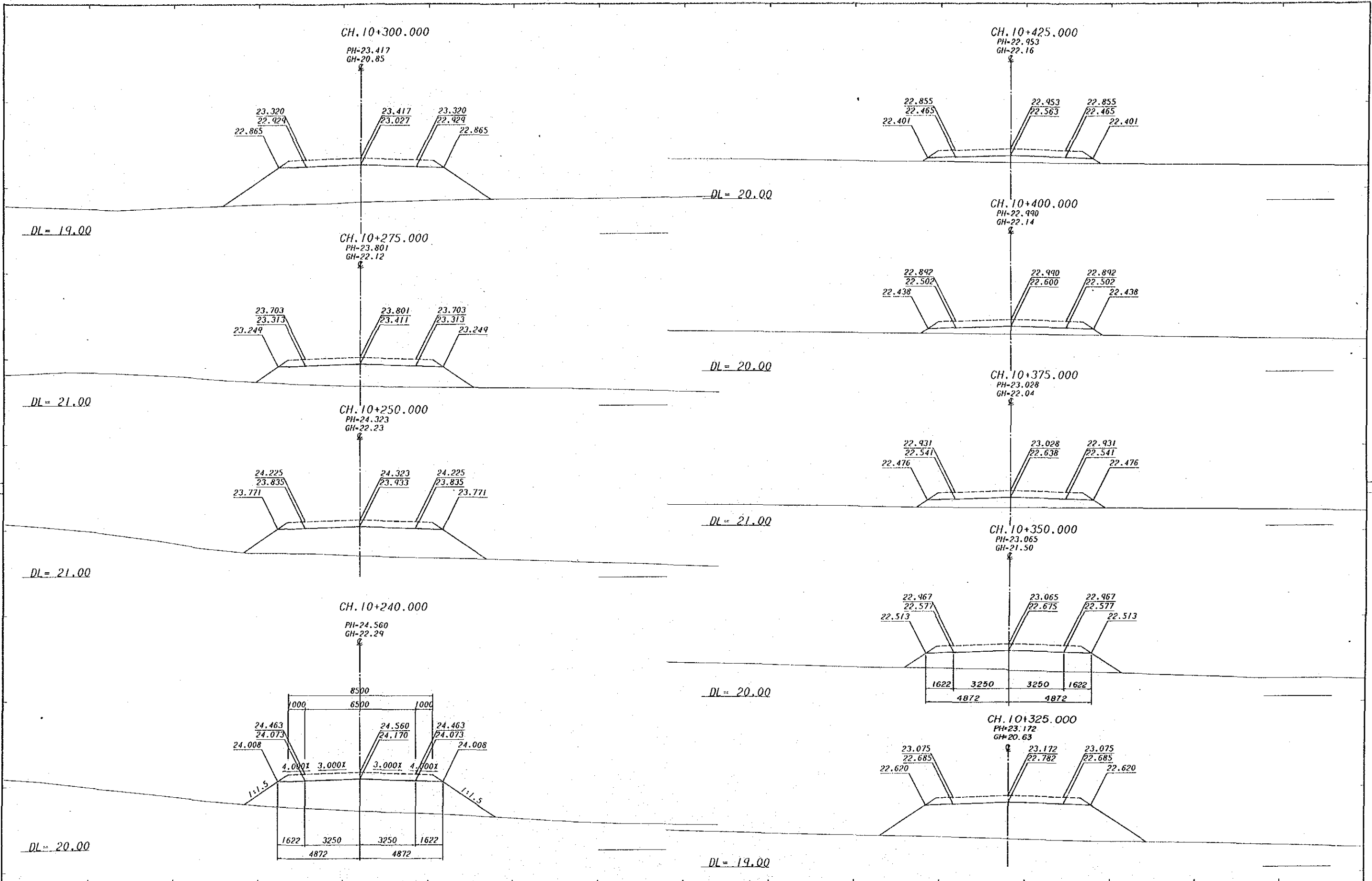
SURVEY JICA		DESIGN JAPAN INTERNATIONAL CO-OPERATION AGENCY		DRAWN K.E.		RECOMMENDED Principal Engineer		SCALES HORIZONTAL & VERTICAL m. 1 : 100		CENTRAL / GULF PROVINCES	
VERTICAL DATUM MEAN SEA LEVEL.		JAPAN INTERNATIONAL CO-OPERATION AGENCY		PROJECT ENGINEER [Signature]		APPROVED 24.10.89.		PROJECT No. S.C.120-33-814/A		TRANS-ISLAND HIGHWAY BEREINA-MALALAU SECTION	
HORIZONTAL DATUM		J. J. M. [Signature] 25 Sep. 1989		EXECUTIVE ENGINEER [Signature]		SECRETARY F. [Signature]		SHEET 136 OF 281		CROSS SECTIONS CH. 9 + 725 — CH. 9 + 900	
SURVEY BOOK NO. S		BY APP'D DATE		[Signature]		[Signature]		DEPARTMENT OF WORKS		DRAWING No. A1/ 87894	
REV.	AMENDMENTS										



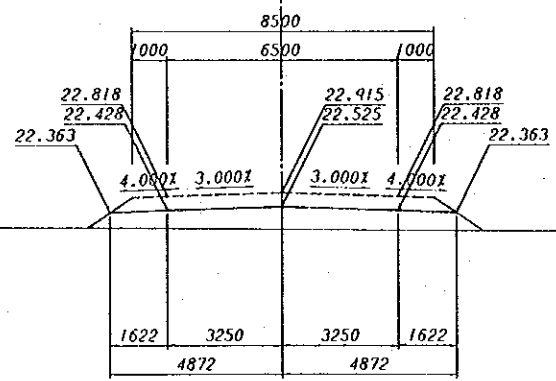
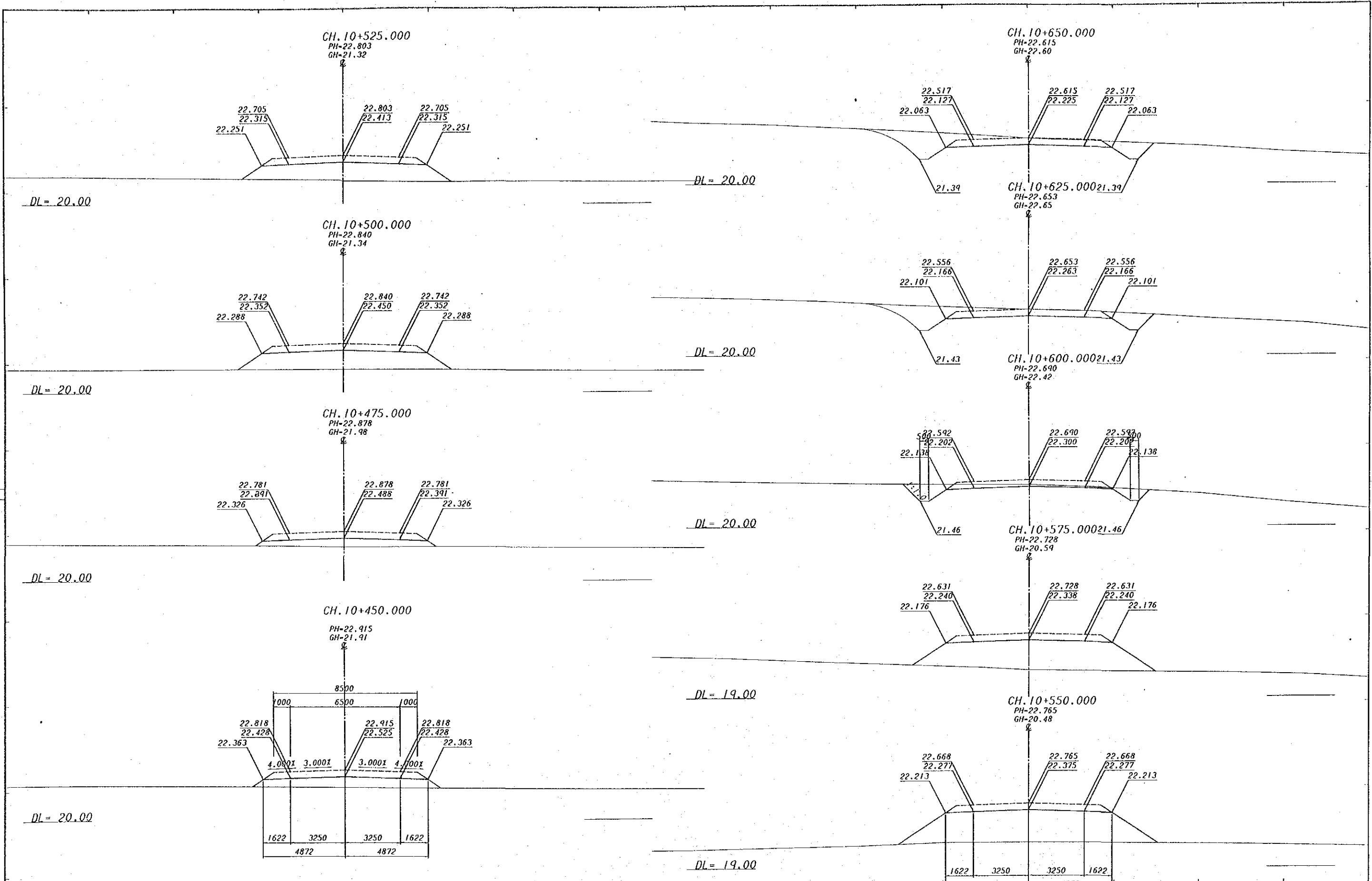
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JICA		JAPAN INTERNATIONAL CO-OPERATION AGENCY		K.E.		[Signature]		TRANS-ISLAND HIGHWAY BEREINA-MALALAU SECTION	
Date		Date		[Signature]		[Signature]		CROSS SECTIONS	
VERTICAL DATUM		JAPAN INTERNATIONAL CO-OPERATION AGENCY		PROJECT ENGINEER		PRINCIPAL ENGINEER		CH. 9 + 925 — CH. 10 + 0	
MEAN SEA LEVEL		J. J. [Signature]		[Signature]		[Signature]		PAPUA NEW GUINEA	
HORIZONTAL DATUM		25 Sep. 1989		EXECUTIVE ENGINEER		APPROVED		DEPARTMENT OF WORKS	
SURVEY BOOK No. 8		Date		[Signature]		[Signature]		DRAWING No.	
						SHEET 137 OF 281		A1/ 87895	
AMENDMENTS						PROJECT No. S.C.120-33-814/A		REV.	



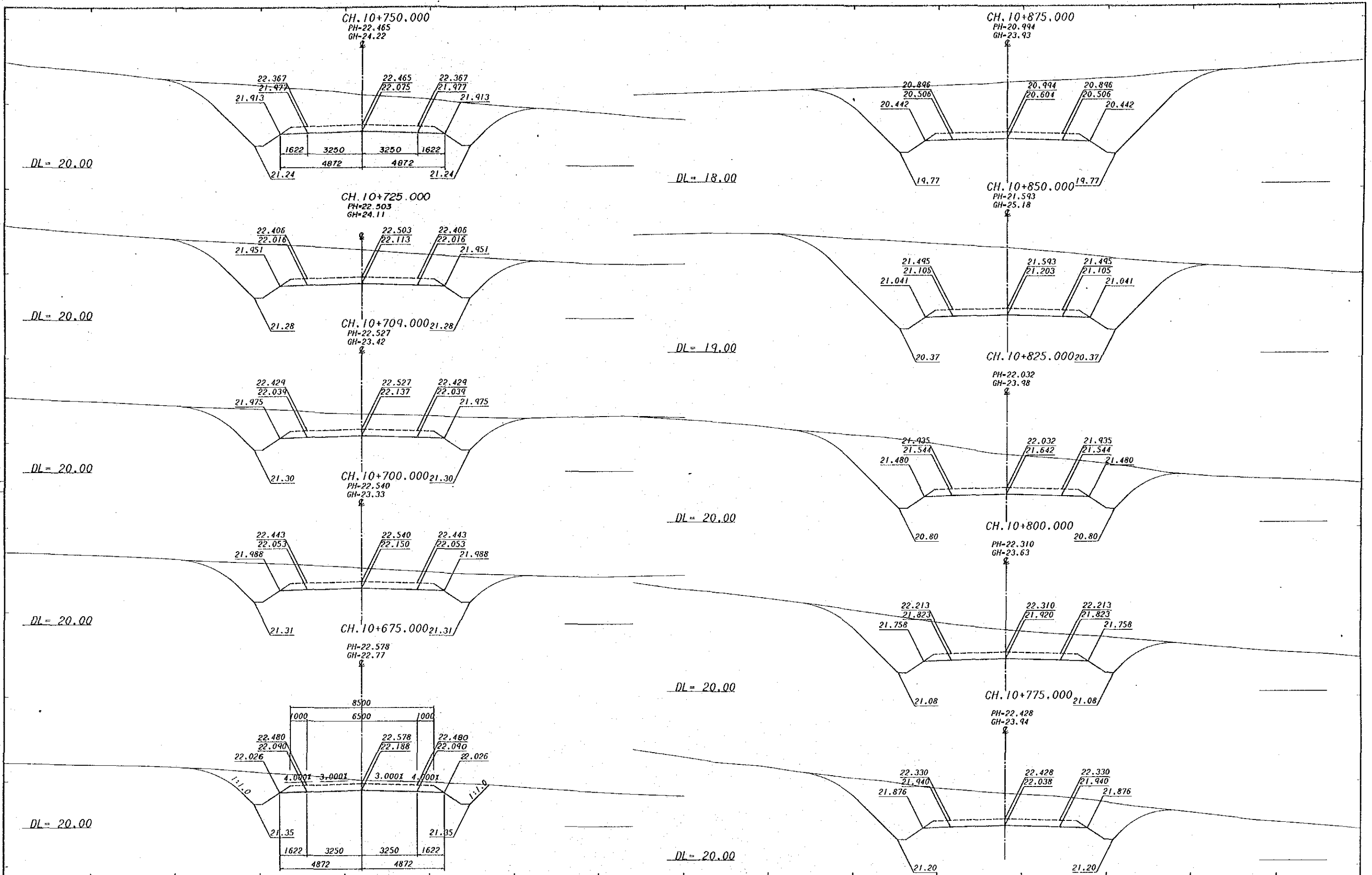
JICA SURVEY BOOK No. 8 Date: 25 Sep. 1989		JAPAN INTERNATIONAL CO-OPERATION AGENCY Design: JICA Date: 25 Sep. 1989		K. E. Checked: [Signature] Project Engineer		RECOMMENDED [Signature] Principal Engineer		SCALES HORIZONTAL & VERTICAL m. 1 : 100		CENTRAL / GULF PROVINCES TRANS-ISLAND HIGHWAY HERIINA-MALALAU SECTION CROSS SECTIONS CH. 10 + 25 — CH. 10 + 225	
AMENDMENTS BY APP'D DATE		SURVEY BOOK No. 8 Date: 25 Sep. 1989		[Signature] Executive Engineer		[Signature] Secretary		SHEET 138 OF 281 PROJECT No. S.C. 120-33-814/A		PAPIA NEW GUINEA DEPARTMENT OF WORKS DRAWING No. A1/ 87896	



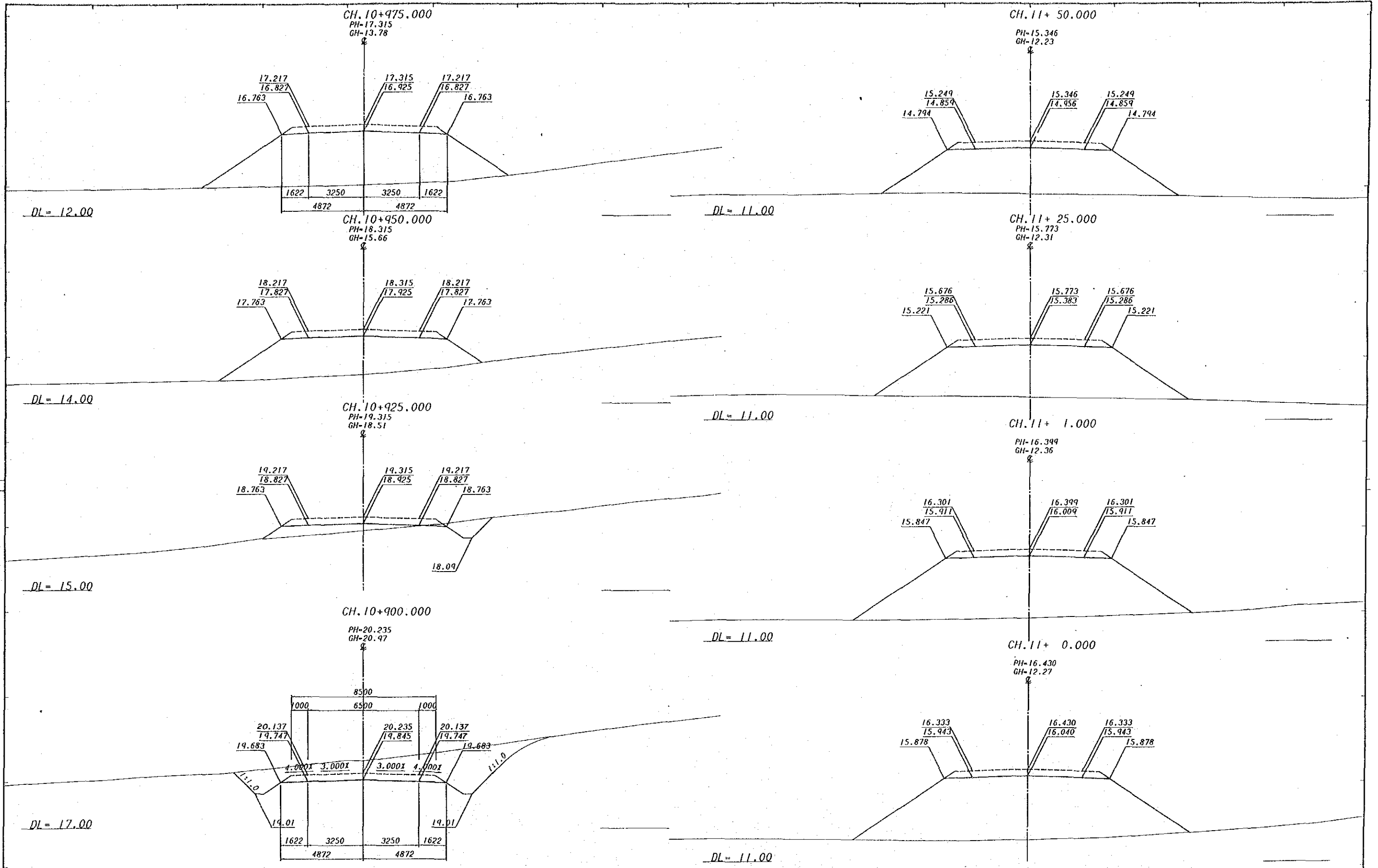
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VERTICAL DATUM MEAN SEA LEVEL		JAPAN INTERNATIONAL CO-OPERATION AGENCY		CHECKED C.S.A.		PROJECT ENGINEER L. Kulam		PROJECT No. S.C. 120-33-814/A		TRANS-ISLAND HIGHWAY BEREINA-MALALAU SECTION	
HORIZONTAL DATUM		Date 25 Sep. 1989		DESIGNED A. M. M. M.		APPROVED 24.10.89		SHEET 139 OF 281		CROSS SECTIONS CH. 10 + 240 — CH. 10 + 425	
SURVEY BOOK NO. 8		Principal		CHECKED Z. K. K.		EXECUTIVE ENGINEER		DEPARTMENT OF WORKS		DRAWING No. A1/ 87897	



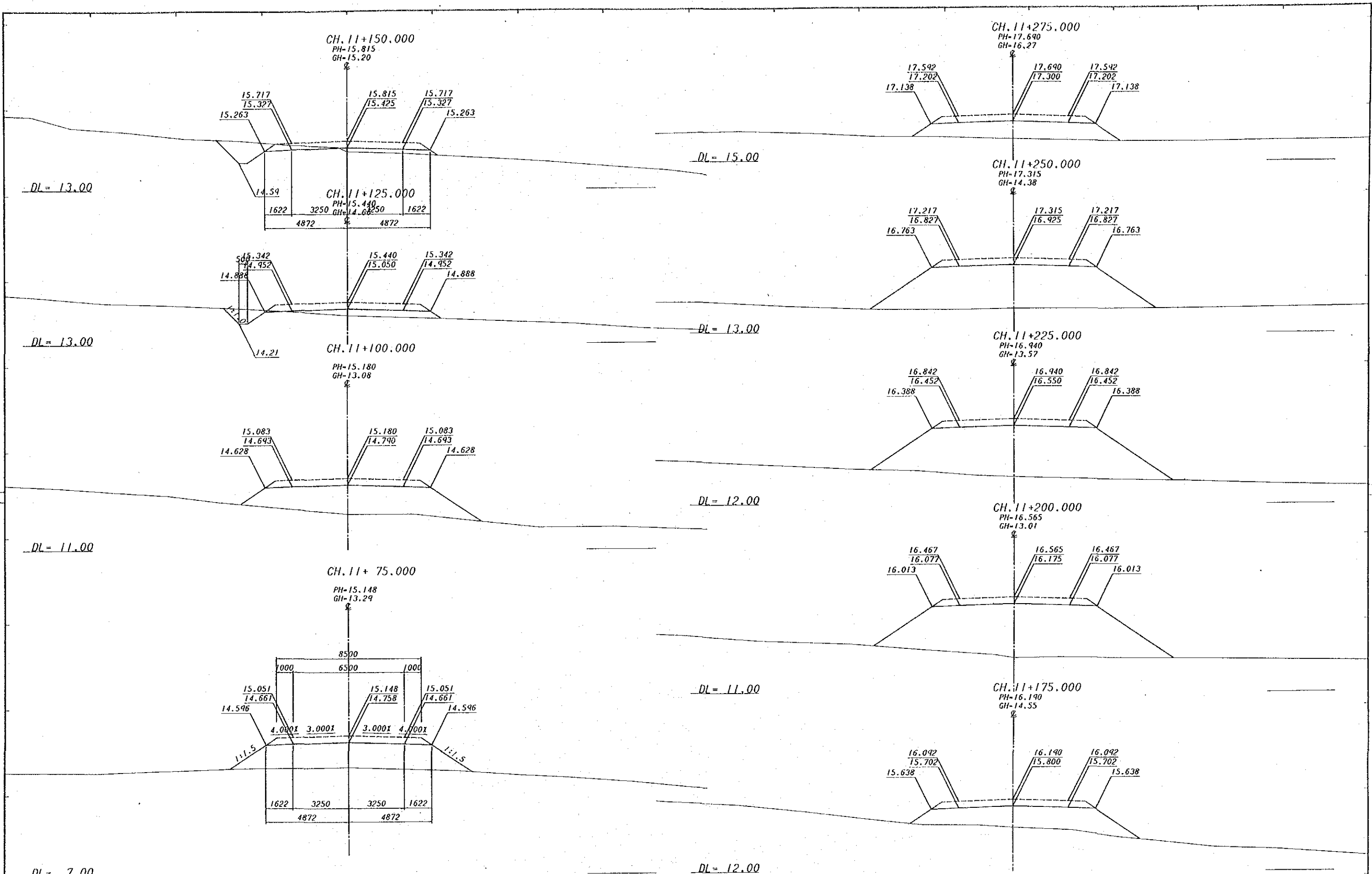
SURVEY JICA		DESIGN JAPAN INTERNATIONAL CO-OPERATION AGENCY		DRAWN K.E.		RECOMMENDED [Signature]		SCALES HORIZONTAL & VERTICAL m. 1 : 100		CENTRAL / GULF PROVINCES	
VERTICAL DATUM MEAN SEA LEVEL.		J. [Signature] Principal		CHECKED [Signature]		PROJECT ENGINEER [Signature]		APPROVED 24-10-85 [Signature]		TRANS-ISLAND HIGHWAY BEREINA-MALALAU SECTION	
HORIZONTAL DATUM		25 Sep. 1989 Date		DESIGNED A. Magala		EXECUTIVE ENGINEER [Signature]		SHEET 140 OF 281		CROSS SECTIONS CH. 10 + 450 — CH. 10 + 650	
SURVEY BOOK N.O.		[Signature]		CHECKED Z. [Signature]		SECRETARY [Signature]		PROJECT No. S.C. 120-33-814/A		PAPUA NEW GUINEA DEPARTMENT OF WORKS	
REV.	AMENDMENTS	BY	APP'D	DATE					DRAWING No. A1/ 87898		REV.



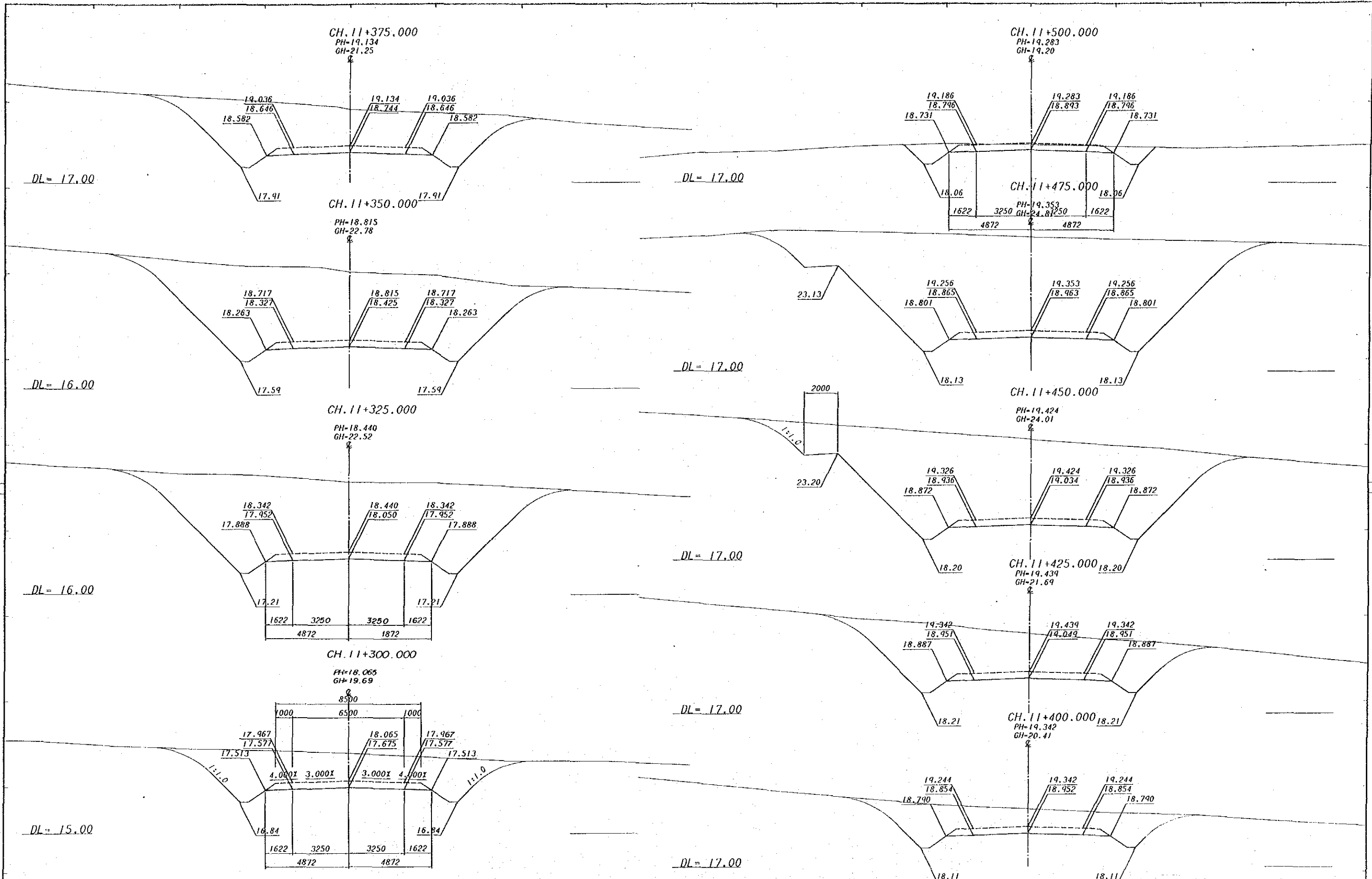
JICA Date: _____ VERTICAL DATUM: MEAN SEA LEVEL HORIZONTAL DATUM: _____ SURVEY BOOK NOS: _____		DESIGN JAPAN INTERNATIONAL CO-OPERATION AGENCY J. Hakuin 25 Sep. 1983 Date		DRAWN K.E. CHECKED: [Signature] DESIGNED: A. Magako CHECKED: [Signature]		RECOMMENDED PROJECT ENGINEER: [Signature] APPROVED: [Signature] 24.10.83 EXECUTIVE ENGINEER: [Signature]		SCALES HORIZONTAL & VERTICAL m. 1 : 100 SHEET 141 OF 281		CENTRAL / GULF PROVINCES TRANS-ISLAND HIGHWAY BEREINA-MALALAU SECTION CROSS SECTIONS CH. 10 + 675 — CH. 10 + 875 PAPUA NEW GUINEA DEPARTMENT OF WORKS DRAWING No. A1/ 87899	
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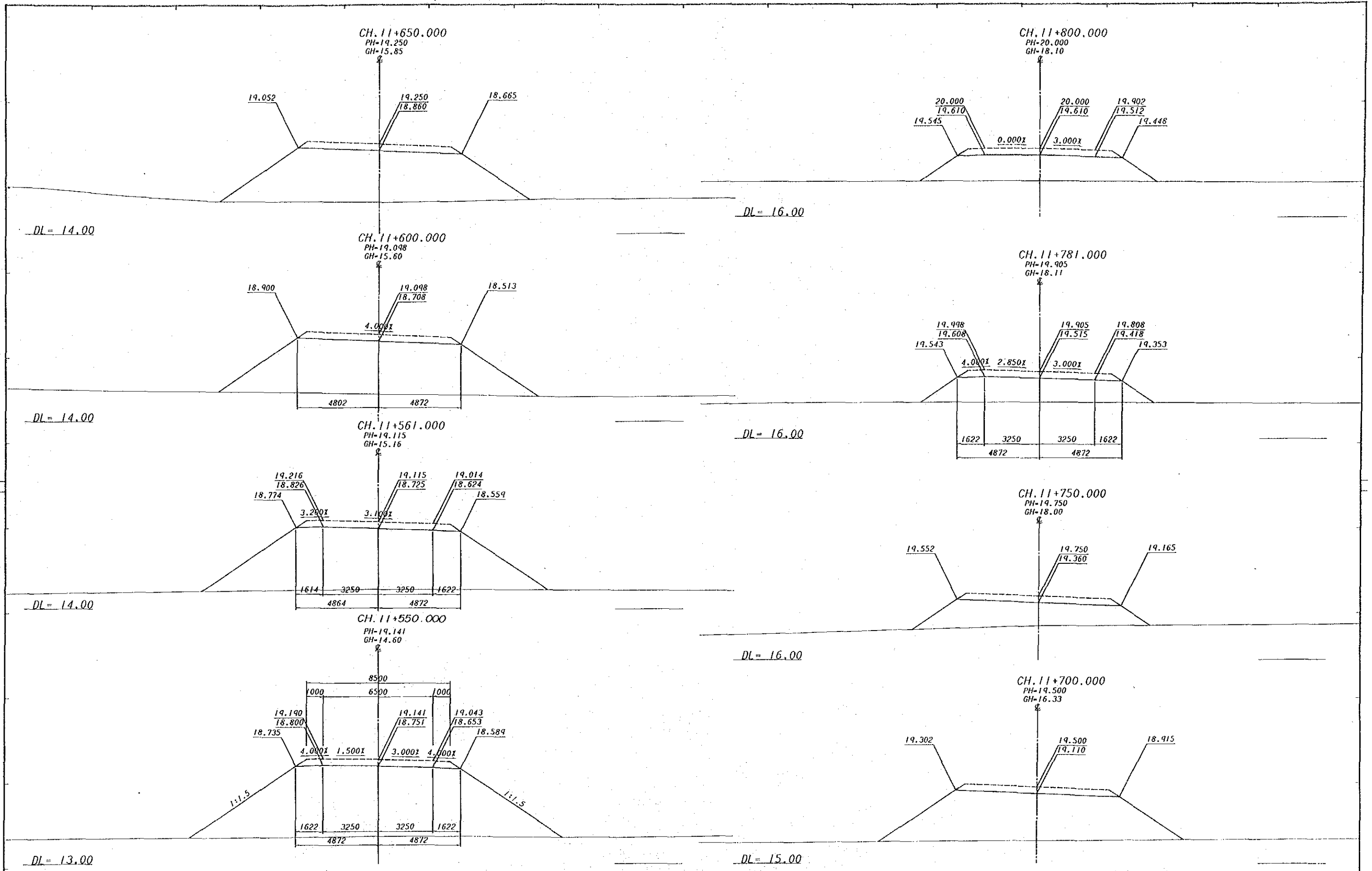
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Date		Principal		Checked		APPROVED		SHEET 142 OF 281		CH. 10 + 900 — CH. 11 + 50	
VERTICAL DATUM MEAN SEA LEVEL		25 Sep. 1989		DESIGNED		Principal Engineer		PROJECT No. S.C. 120-33-814/A		PAPUA NEW GUINEA DEPARTMENT OF WORKS	
HORIZONTAL DATUM		Date		CHECKED		SECRETARY		DRAWING No. Ai/ 87900		REV	
SURVEY BOOK No.				Principal							



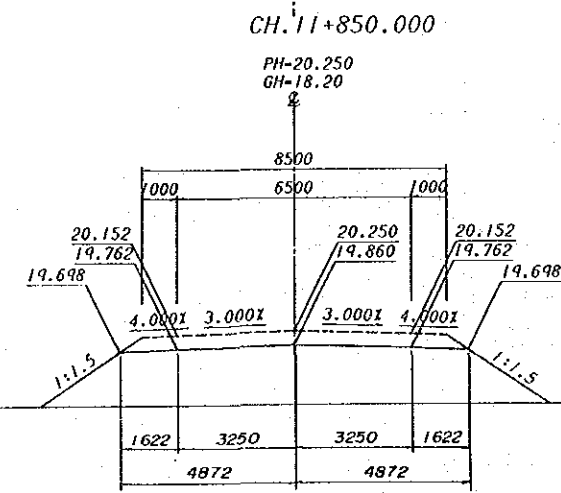
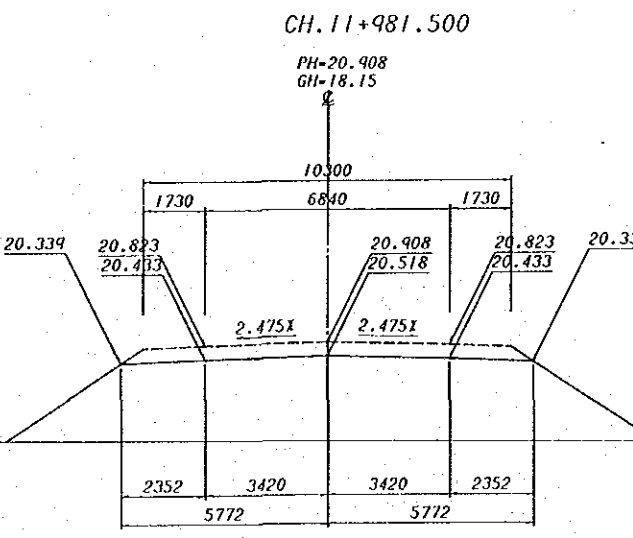
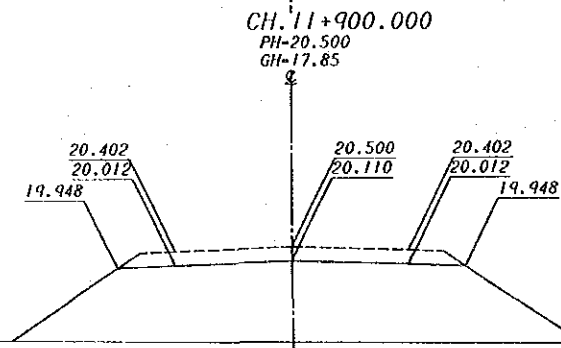
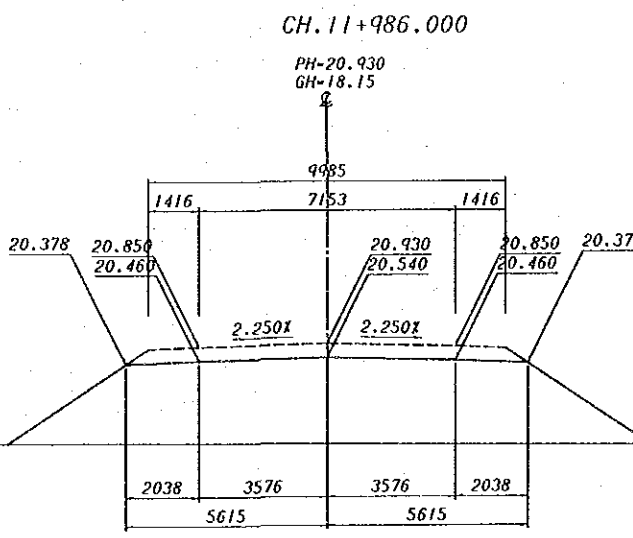
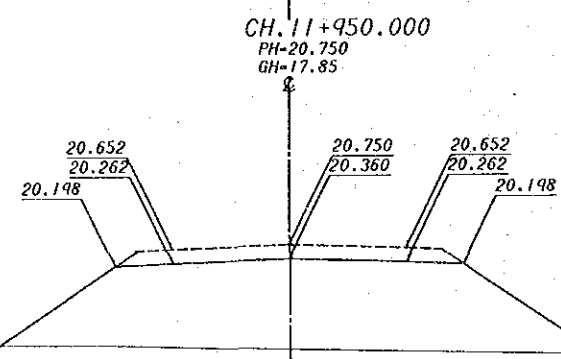
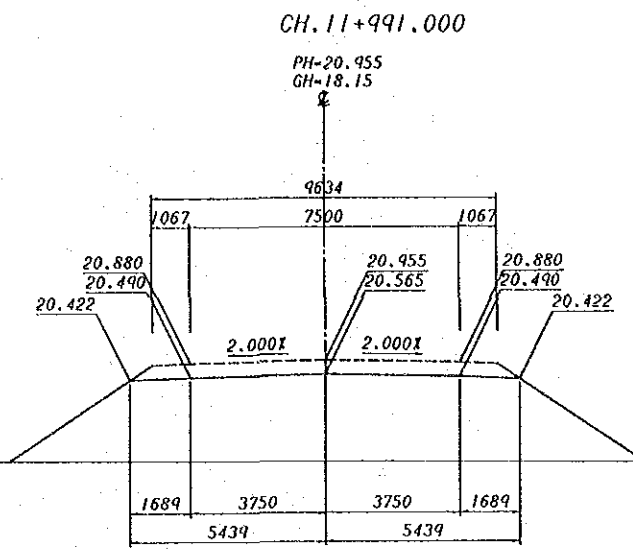
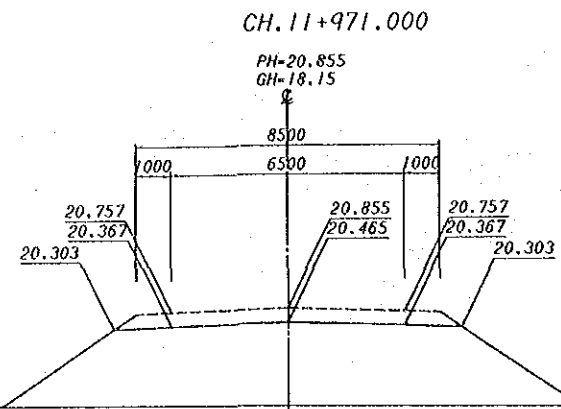
PREV. AMENDMENTS BY APP'D DATE		SURVEY JICA Date VERTICAL DATUM MEAN SEA LEVEL HORIZONTAL DATUM SURVEY BOOK N.E.	DESIGN JAPAN INTERNATIONAL CO-OPERATION AGENCY <i>J. H. ...</i> Principal 25 Sep. 1989 Date	DRAWN K.E. CHECKED <i>C.R.A.</i> DESIGNED <i>A. M. ...</i> CHECKED <i>Z. ...</i>	RECOMMENDED <i>W. ...</i> PROJECT ENGINEER APPROVED <i>J. ...</i> EXECUTIVE ENGINEER SECRETARY <i>R. ...</i>	SCALES HORIZONTAL & VERTICAL m. 1 : 100	CENTRAL / GULF PROVINCES TRANS-ISLAND HIGHWAY BEREINA-MALALAU SECTION CROSS SECTIONS CH. 11 + 75 — CH. 11 + 275 PAPUA NEW GUINEA DEPARTMENT OF WORKS DRAWING No. A1/ 87901
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JICA Date: _____ VERTICAL DATUM: MEAN SEA LEVEL HORIZONTAL DATUM: _____ SURVEY BOOK No. _____		JAPAN INTERNATIONAL CO-OPERATION AGENCY Principal: <i>J. Y. Hatake</i> Date: 25 Sep. 1989		DRAWN K. E. CHECKED: <i>C. S. A.</i> DESIGNED: <i>A. M. J. P.</i> CHECKED: <i>J. G. S.</i>		RECOMMENDED <i>W. K. A.</i> PROJECT ENGINEER APPROVED <i>J. S. S.</i> 24.10.19 PRINCIPAL ENGINEER EXECUTIVE ENGINEER SECRETARY		SCALES HORIZONTAL & VERTICAL m. 1 : 100 SHEET 144 OF 281 PROJECT No. S.C. 120-33-814/A		CENTRAL / GULF PROVINCES TRANS-ISLAND HIGHWAY BEREINA-MALALAUVA SECTION CROSS SECTIONS CH. 11 + 300 — CH. 11 + 500 PAPUA NEW GUINEA DEPARTMENT OF WORKS DRAWING No. A1/ 87902	
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SURVEY		DESIGN		DRAWN		RECOMMENDED		SCALES		CENTRAL / GULF PROVINCES	
JICA		JAPAN INTERNATIONAL CO-OPERATION AGENCY		K. E.		K. K. K.		 HORIZONTAL & VERTICAL m. 1 : 100		TRANS-ISLAND HIGHWAY BEREINA-MALALAU SECTION	
VERTICAL DATUM MEAN SEA LEVEL		JICA		CHECKED C. S.		PROJECT ENGINEER		APPROVED 24. 4p. 86		CROSS SECTIONS	
HORIZONTAL DATUM		25 Sep. 1989		DESIGNED A. Magarin		EXECUTIVE ENGINEER		SECRETARY		CH. 11 + 550 --- CH. 11 + 800	
SURVEY BOOK NOS		Date		CHECKED Z. K.		PROJECT No. S.C. 120-33-814/A		SHEET 145 OF 281		PAPUA NEW GUINEA DEPARTMENT OF WORKS	
REV.	AMENDMENTS	BY	APPD	DATE	DRAWING No. A1/ 87903						



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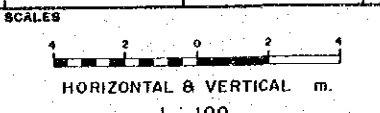
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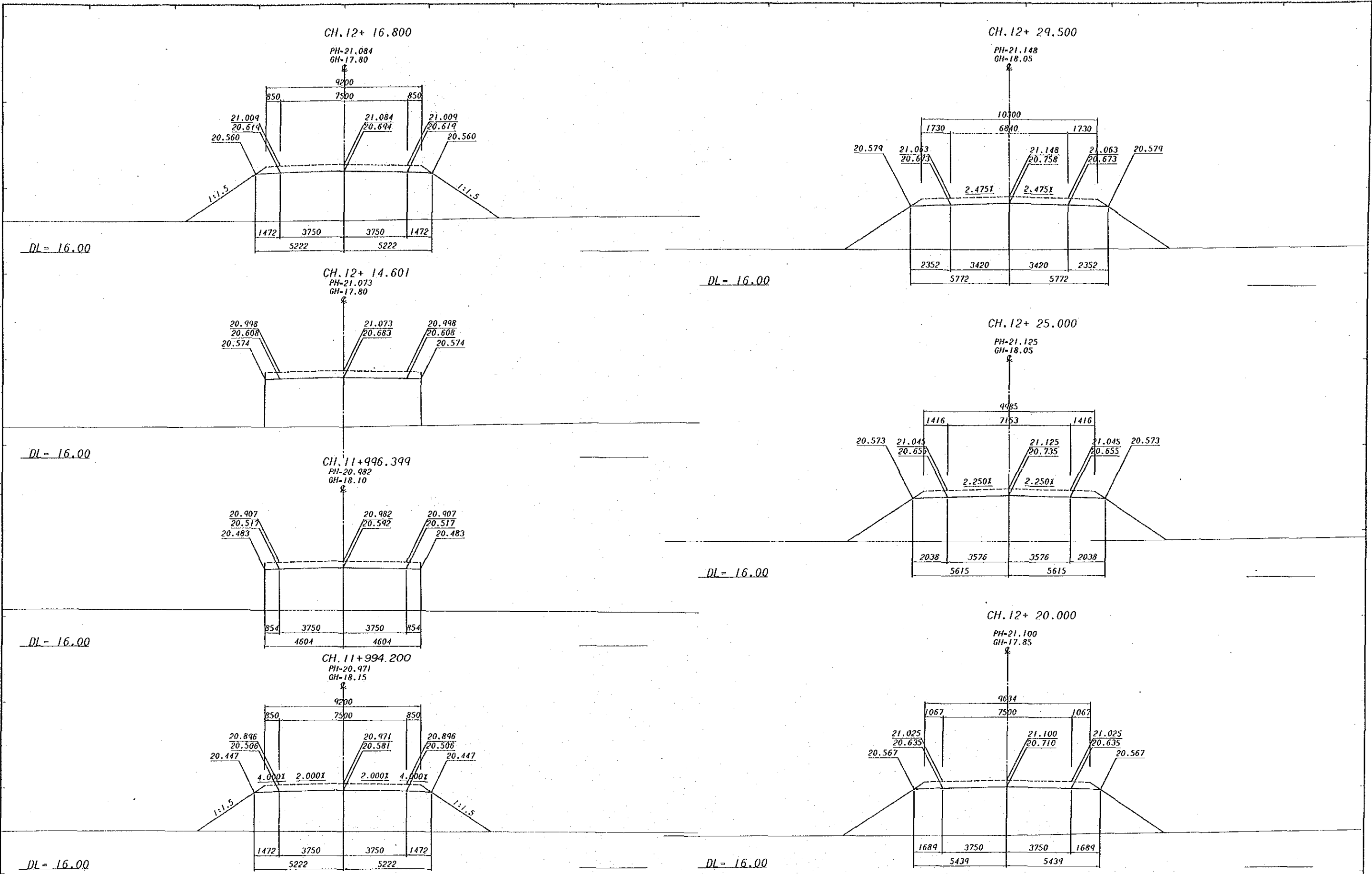
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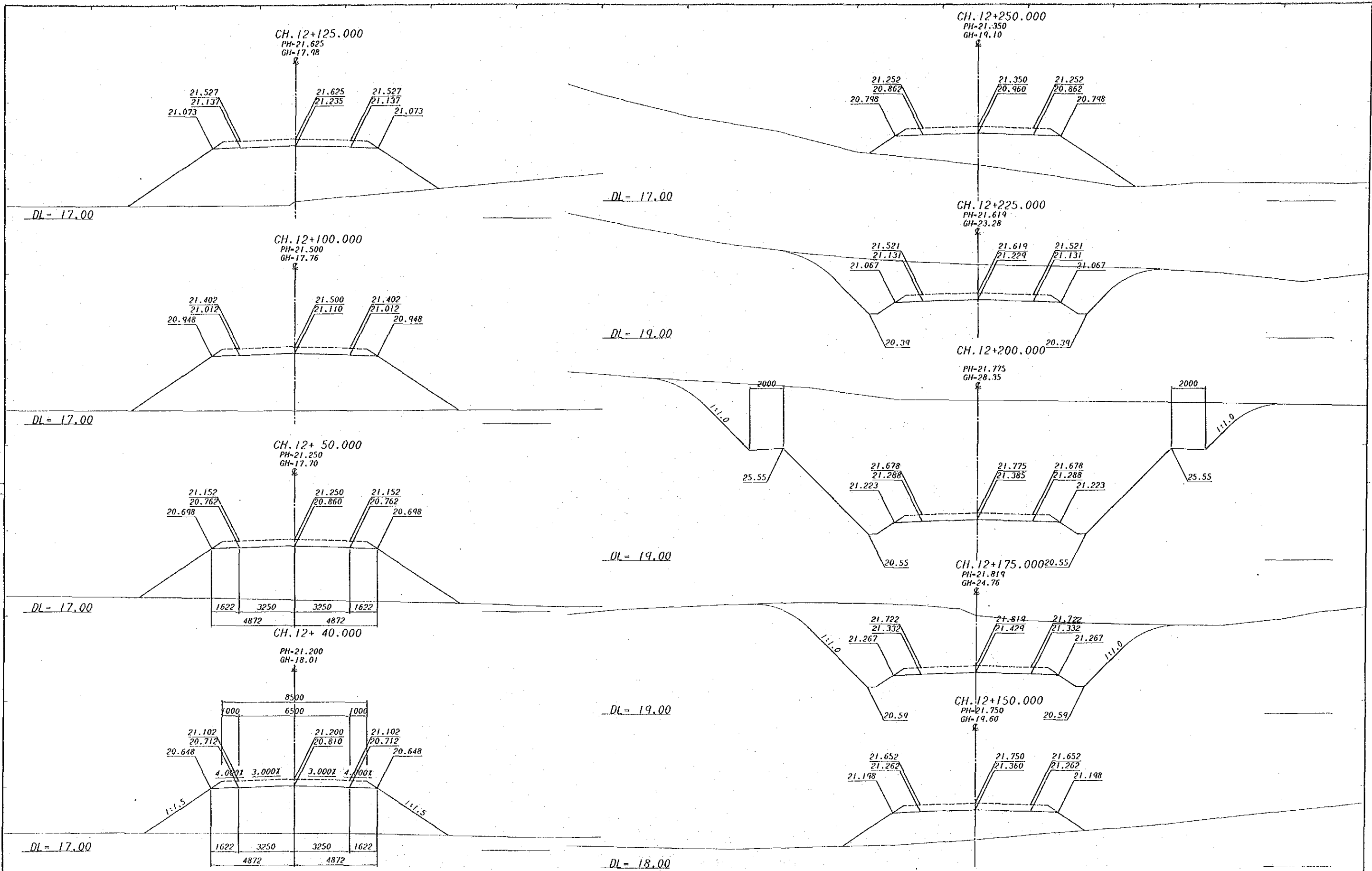
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VERTICAL DATUM MEAN SEA LEVEL		JAPAN INTERNATIONAL CO-OPERATION AGENCY		CHECKED [Signature]		PROJECT ENGINEER [Signature]		TRANS-ISLAND HIGHWAY BEREINA-MALALAU SECTION	
HORIZONTAL DATUM		Principal [Signature]		DESIGNED A. Nagata		APPROVED [Signature]		CROSS SECTIONS	
SURVEY BOOK NO. 8		25 Sep. 1989		CHECKED [Signature]		SECRETARY [Signature]		CH. 11 + 850 — CH. 11 + 991	
BY		DATE		EXECUTIVE ENGINEER [Signature]		PROJECT No. S.C.120-33-814/A		PAPUA NEW GUINEA DEPARTMENT OF WORKS	
AMENDMENTS				SHEET 146 OF 281		DRAWING No. A1/ 87904			

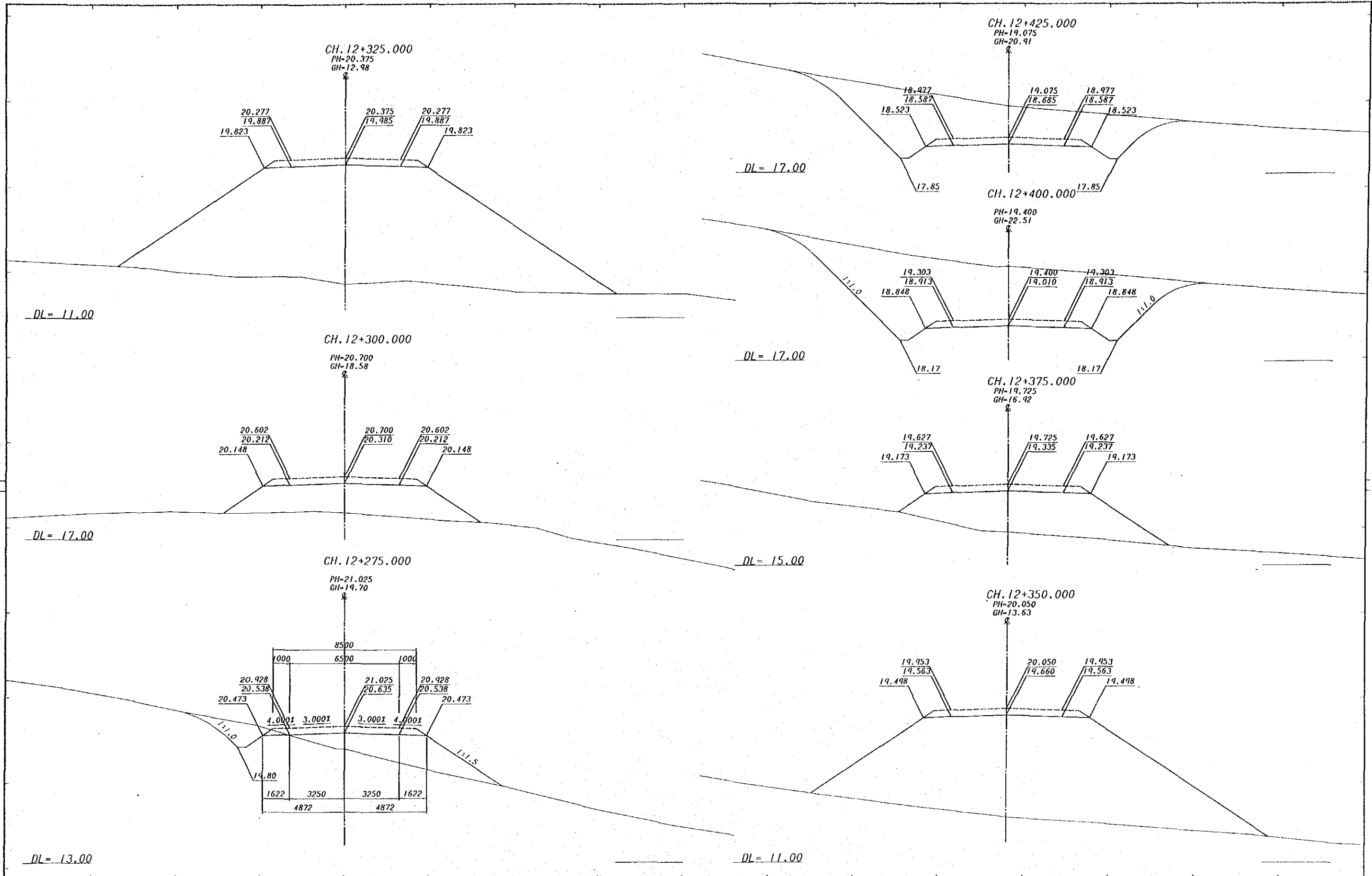




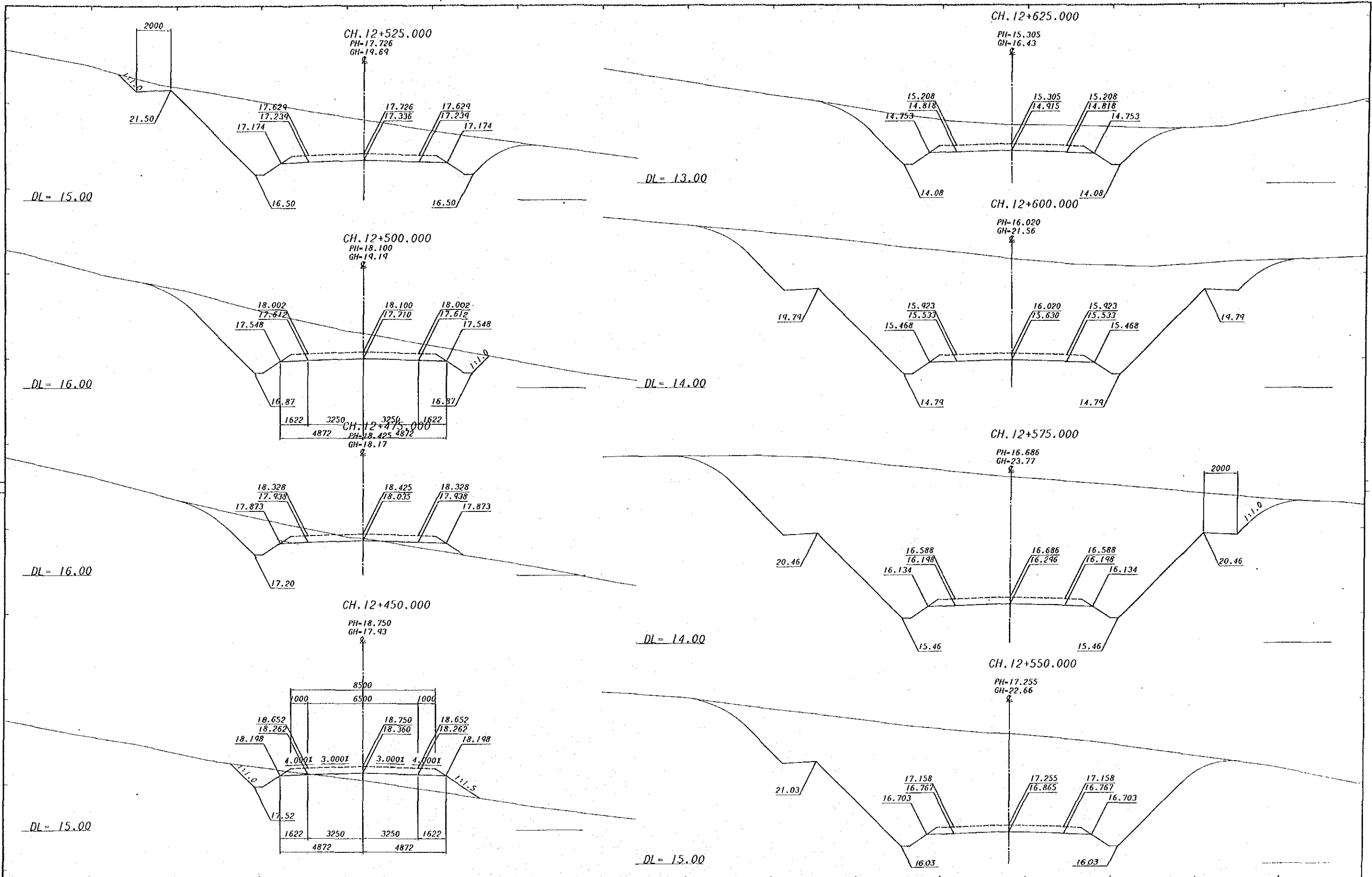
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VERTICAL DATUM MEAN SEA LEVEL		Principal J. H. H. H.		CHECKED C. P. A.		PROJECT ENGINEER W. K.		APPROVED 24.10.99		SHEET 147 OF 281		PROJECT No. S.C. 120-33-814/A		PAFUJA NEW GURIEA DEPARTMENT OF WORKS DRAWING No. A1/ 87905	
HORIZONTAL DATUM		Date 28 Sep. 1999		CHECKED A. M. J.		EXECUTIVE ENGINEER Z. K.		SECRETARY R. S.		REV.		REV.		REV.	
SURVEY BOOK NO. 8		BY		APP'D		DATE									



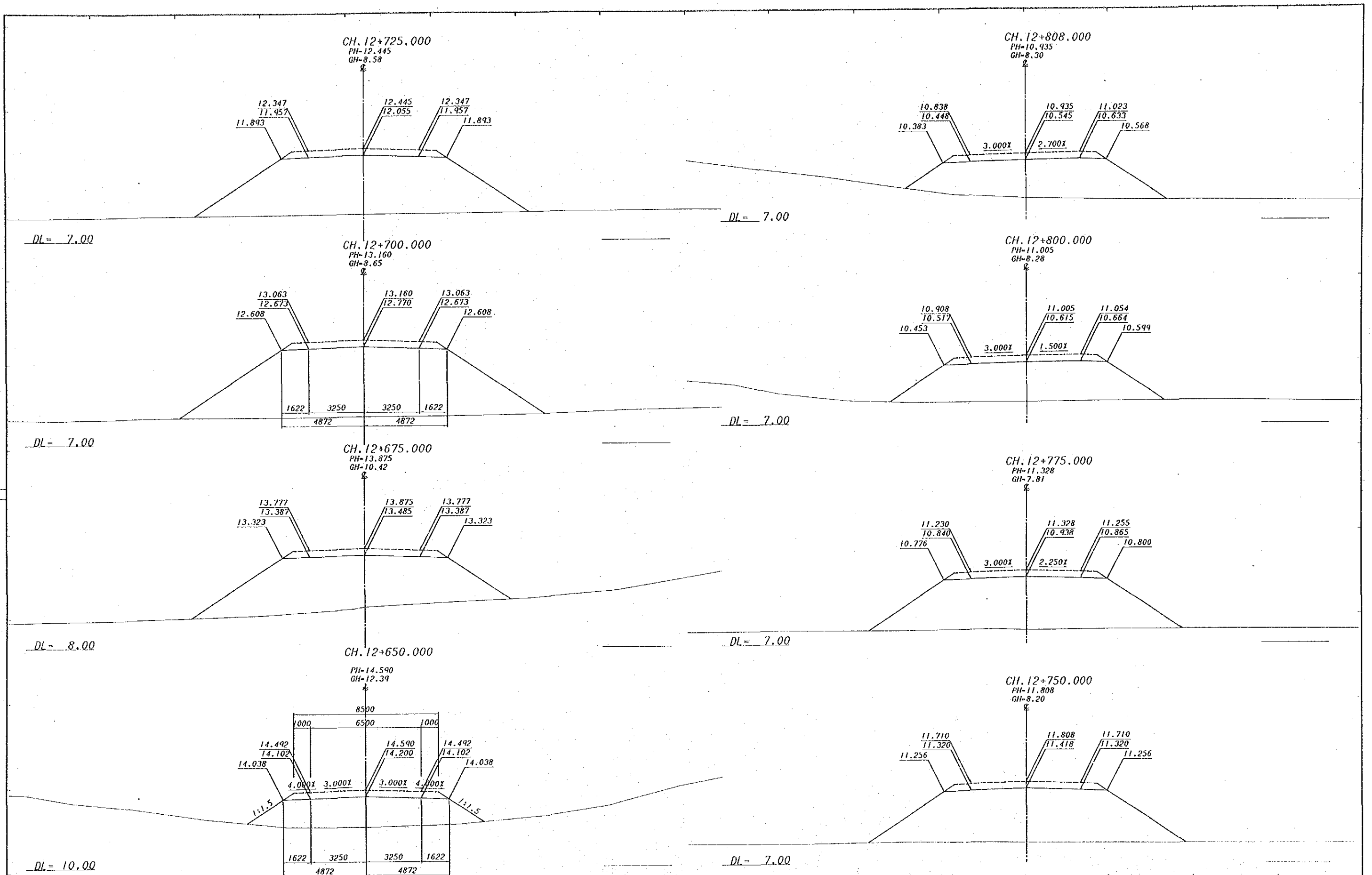
SURVEY JICA Date _____ VERTICAL DATUM MEAN SEA LEVEL. HORIZONTAL DATUM SURVEY BOOK NO. 8		DESIGN JAPAN INTERNATIONAL CO-OPERATION AGENCY J. Hatanaka Principal 25 Sep. 1989 Date		DRAWN K. E. CHECKED C. E. A. DESIGNED A. M. J. A. CHECKED Z. K. A.		PROJECT ENGINEER W. K. A. PRINCIPAL ENGINEER A. M. J. A. 24.10.89 APPROVED J. S. A. EXECUTIVE ENGINEER F. A. S. (S) SECRETARY		SCALES HORIZONTAL & VERTICAL m. 1 : 100 SHEET 148 OF 281 PROJECT No. S.C. 120-33-814/A		CENTRAL / GULF PROVINCES TRANS-ISLAND HIGHWAY BEREINA-MALALAU SECTION CROSS SECTIONS CH. 12 + 40 — CH. 12 + 250 PAPUA NEW GUINEA DEPARTMENT OF WORKS DRAWING No. A1/ 87906	
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SURVEY		DESIGN		DRAWN		RECOMMENDED		SCALES		CENTRAL / GULF PROVINCES			
JICA		JAPAN INTERNATIONAL CO-OPERATION AGENCY		K.E.		B. Kulak		 HORIZONTAL & VERTICAL 1 : 100		TRANS-ISLAND HIGHWAY BEREINA-MALALAU SECTION			
VERTICAL DATUM MEAN SEA LEVEL		J. Yamashita Principal		A. M. M. P.		PROJECT ENGINEER		APPROVED		CROSS SECTIONS			
HORIZONTAL DATUM		25 Sep. 1989 Date		7. K. M. P.		EXECUTIVE ENGINEER		24.10.89 Date		CH. 12 + 275 — CH. 12 + 425		DRAWING No.	
REV.	AMENDMENTS	BY	APPD	DATE	SURVEY BOOK NOS		SHEET 149 OF 281		PROJECT No. S.C.120-33-814/A		PAPUA NEW GUINEA DEPARTMENT OF WORKS		87907

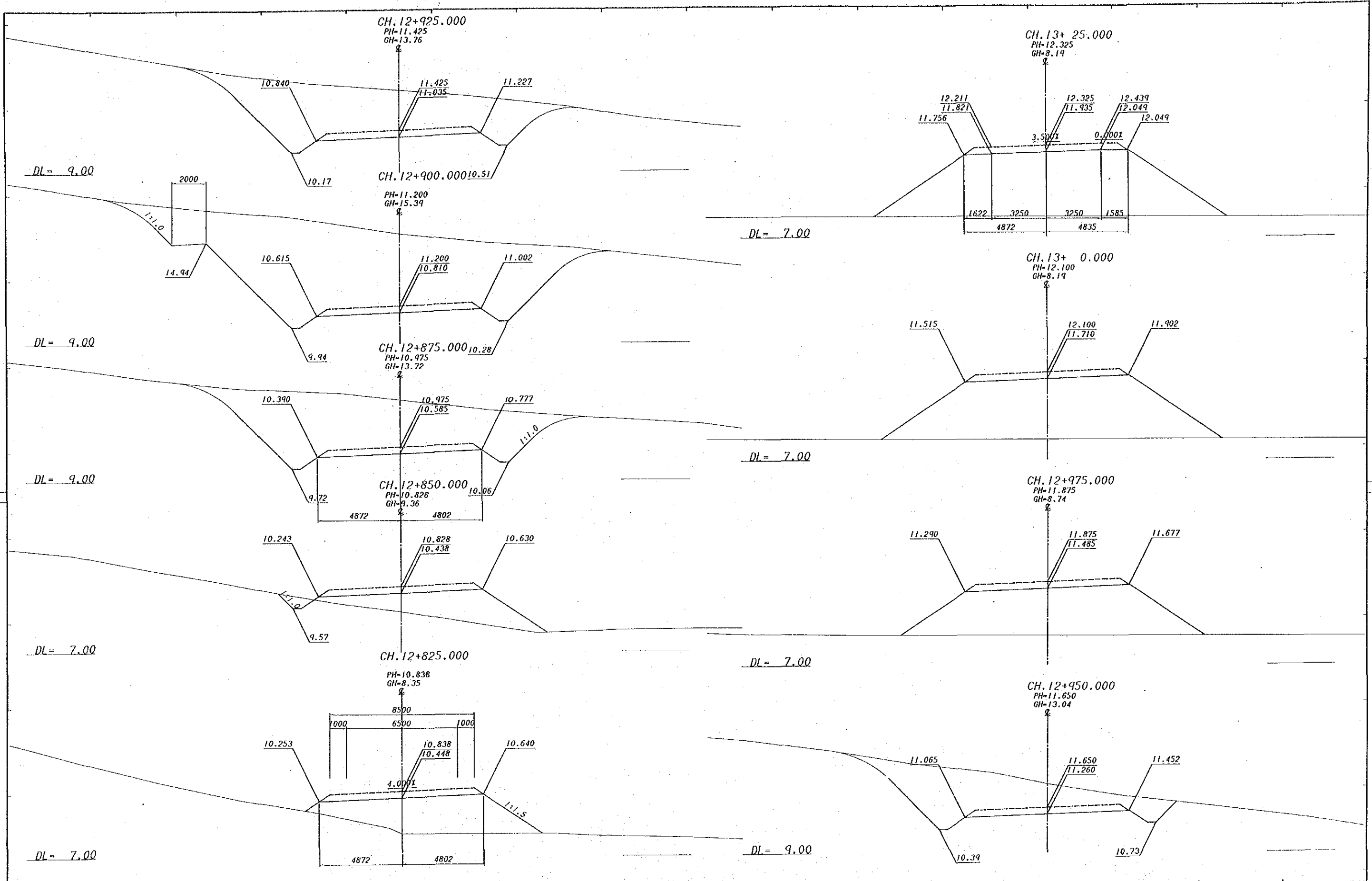


SURVEY JICA		DESIGN JAPAN INTERNATIONAL CO-OPERATION AGENCY		DRAWN K.E.		RECOMMENDED Principal Engineer		CENTRAL / GULF PROVINCES	
VERTICAL DATUM MEAN SEA LEVEL		J. H. ... 25 Sep. 1989		CHECKED A. Magali		APPROVED 24.10.89		TRANS-ISLAND HIGHWAY BEREINA-MALALAU SECTION	
HORIZONTAL DATUM		Principal		EXECUTIVE ENGINEER		SECRETARY		CROSS SECTIONS	
SURVEY BOOK NO.		Date		Date		Date		CH. 12 + 450 — CH. 12 + 625	
REV.	AMENDMENTS	BY	APP'D	DATE	DATE	DATE	DATE	PAPUA NEW GUINEA DEPARTMENT OF WORKS	
SHEET 150 OF 281						PROJECT No. S.C. 120-33-814/A		DRAWING No. A1/ 87908	

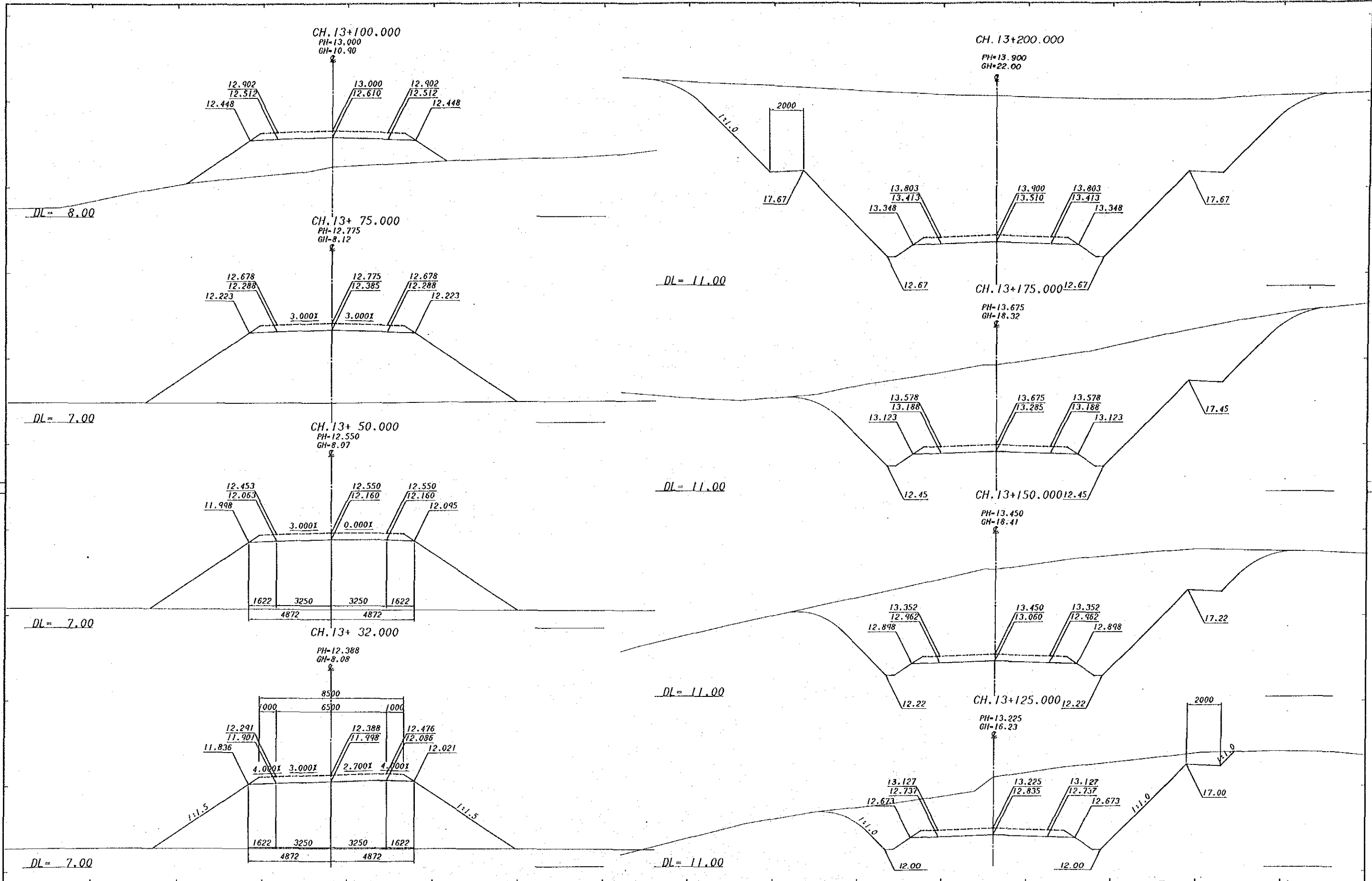


SURVEY JICA Date _____ VERTICAL DATUM MEAN SEA LEVEL HORIZONTAL DATUM _____ SURVEY BOOK NRS _____		DESIGN JAPAN INTERNATIONAL CO-OPERATION AGENCY J. Habu Principal 25 Sep. 1989 Date		DRAWN K.E. CHECKED DESIGNED a. Muzah CHECKED PROJECT ENGINEER EXECUTIVE ENGINEER		RECOMMENDED APPROVED 24.10.89 PRINCIPAL ENGINEER SECRETARY		SCALES HORIZONTAL & VERTICAL m. 1 : 100		CENTRAL / GULF PROVINCES TRANS-ISLAND HIGHWAY BERGINA-MALALAU SECTION CROSS SECTIONS CH. 12 + 650 — CH. 12 + 808 PAPUA NEW GUINEA DEPARTMENT OF WORKS DRAWING No. A1/ 87909	
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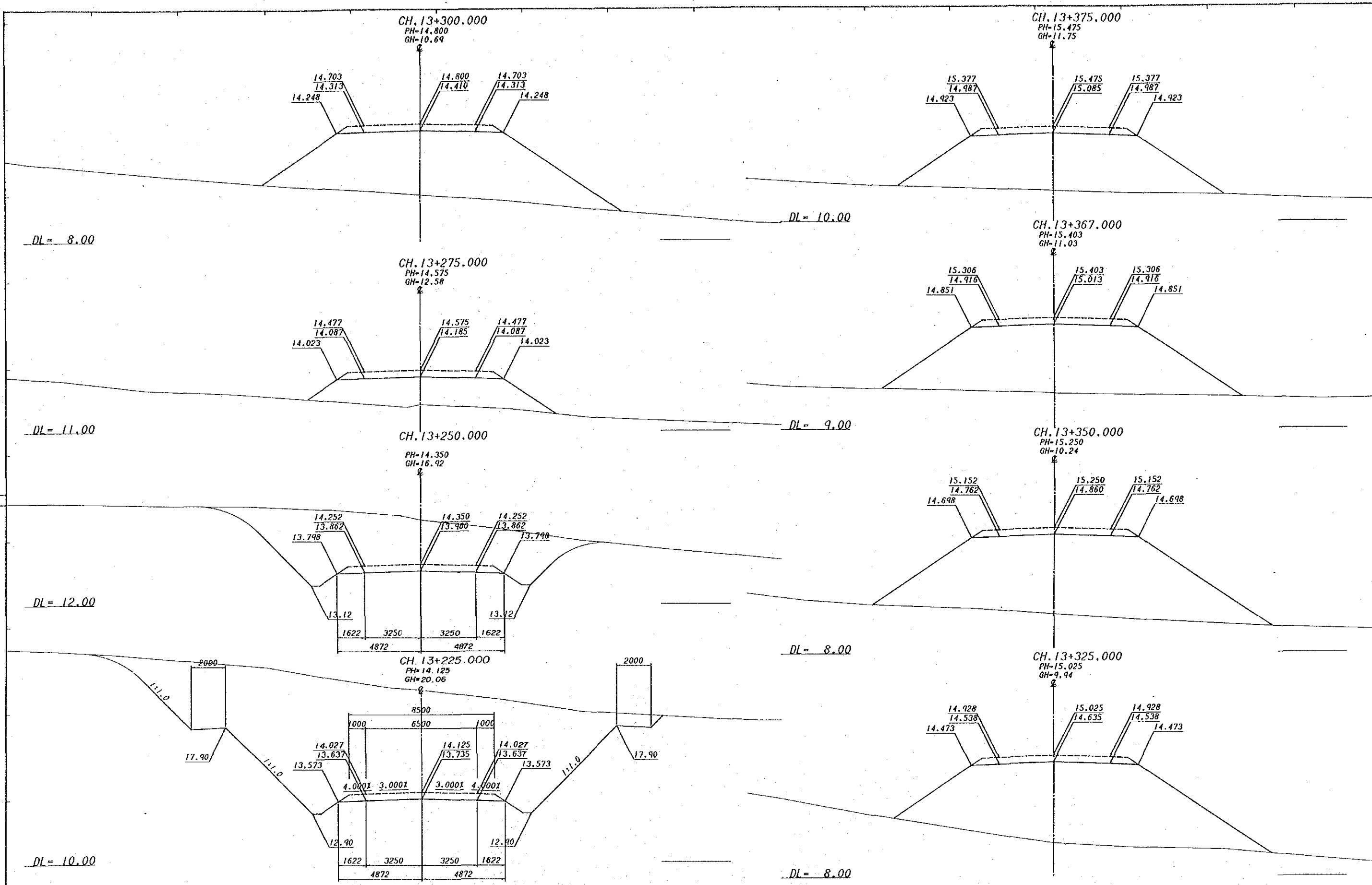
REV.	AMENDMENTS	BY	APP'D	DATE	SHEET 151 OF 281	PROJECT No. S.C.120-33-814/A	REV.
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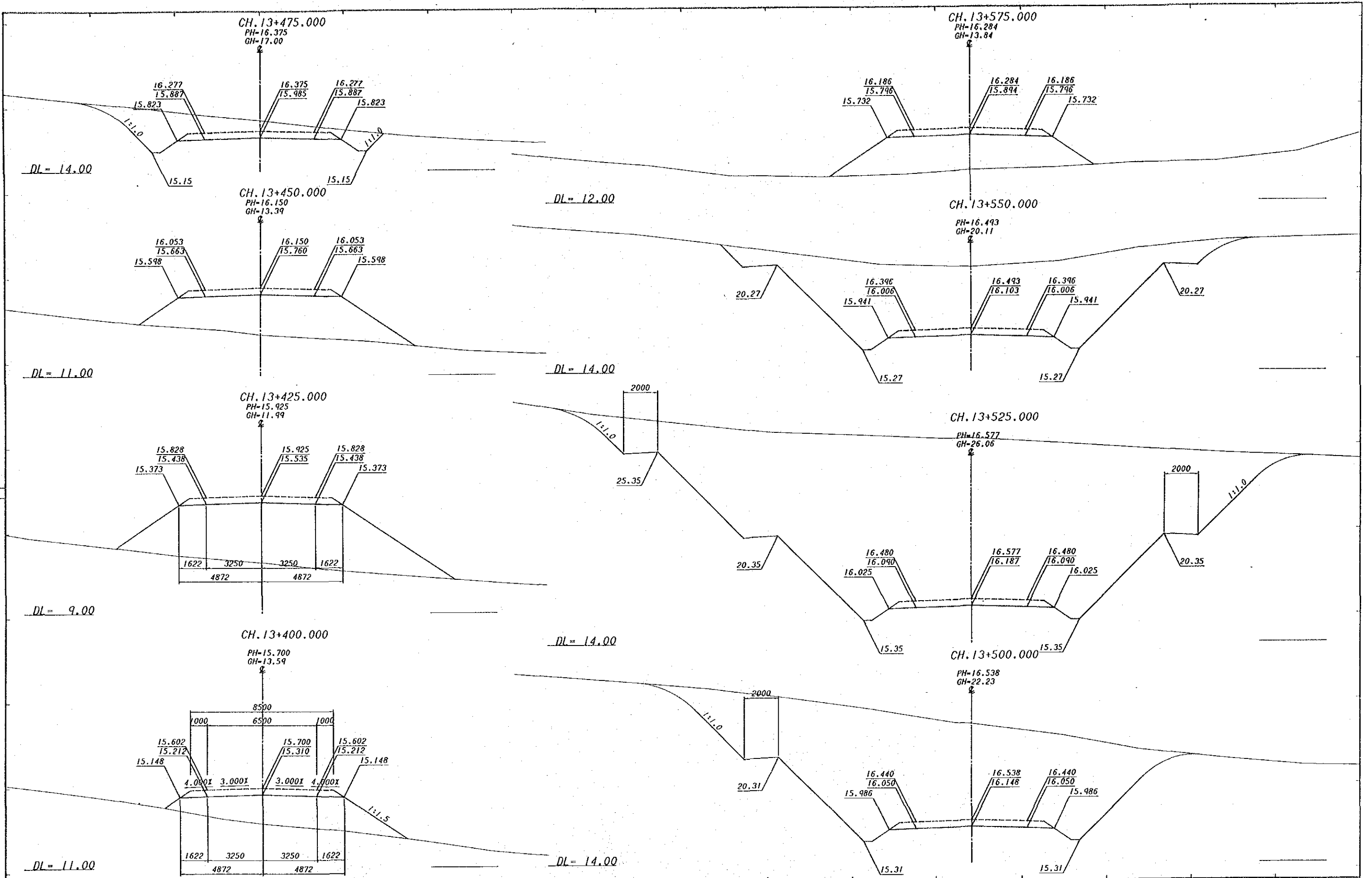
REVISIONS REV. AMENDMENTS BY APP'D DATE		SURVEY JICA Date VERTICAL DATUM MEAN SEA LEVEL HORIZONTAL DATUM SURVEY BOOK No.	DESIGN JAPAN INTERNATIONAL CO-OPERATION AGENCY J. J. J. J. 25 Sep. 1989 Date	DRAWN K.E. CHECKED DESIGNED CHECKED	RECOMMENDED PROJECT ENGINEER APPROVED PRINCIPAL ENGINEER 24.10.89 EXECUTIVE ENGINEER SECRETARY	SCALES HORIZONTAL & VERTICAL m. 1 : 100 SHEET 152 of 281 PROJECT No. S.C.120-33-814/A	CENTRAL / GULF PROVINCES TRANS-ISLAND HIGHWAY BEREINA-MALALAUJA SECTION CROSS SECTIONS CH. 12 + 825 — CH. 13 + 25 PAPA NEW GUINEA DEPARTMENT OF WORKS DRAWING No. A1/ 87910
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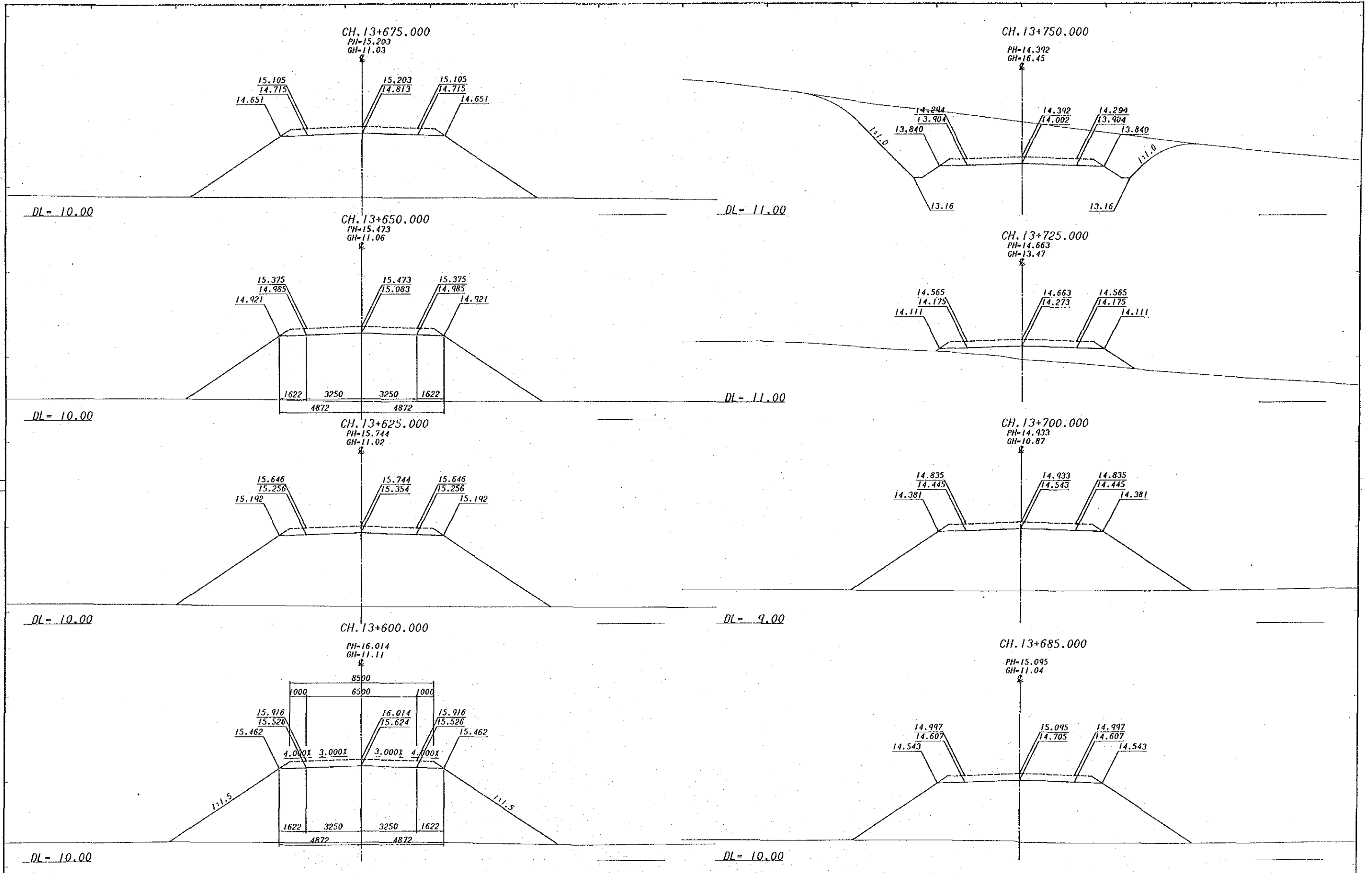
REV.		AMENDMENTS		BY	APP'D	DATE	SURVEY		DESIGN		DRAWN		RECOMMENDED		SCALES		CENTRAL / GULF PROVINCES	
							JICA		JAPAN INTERNATIONAL CO-OPERATION AGENCY		K. E.		PROJECT ENGINEER		HORIZONTAL & VERTICAL 1:100		TRANS-ISLAND HIGHWAY BEREINA-MALALAUJA SECTION	
							VERTICAL DATUM MEAN SEA LEVEL		J. Magar		A. Magar		APPROVED 24.10.89				CROSS SECTIONS	
							HORIZONTAL DATUM		25 Sep. 1989		EXECUTIVE ENGINEER		SECRETARY				CH. 13 + 32 CH. 13 + 200	
							SURVEY BOOK NO. 8		Date						PROJECT No. S.C. 120-33-814/A		PAPUA NEW GUINEA DEPARTMENT OF WORKS	
													SHEET 153 OF 281		DRAWING No. A1/ 87911			



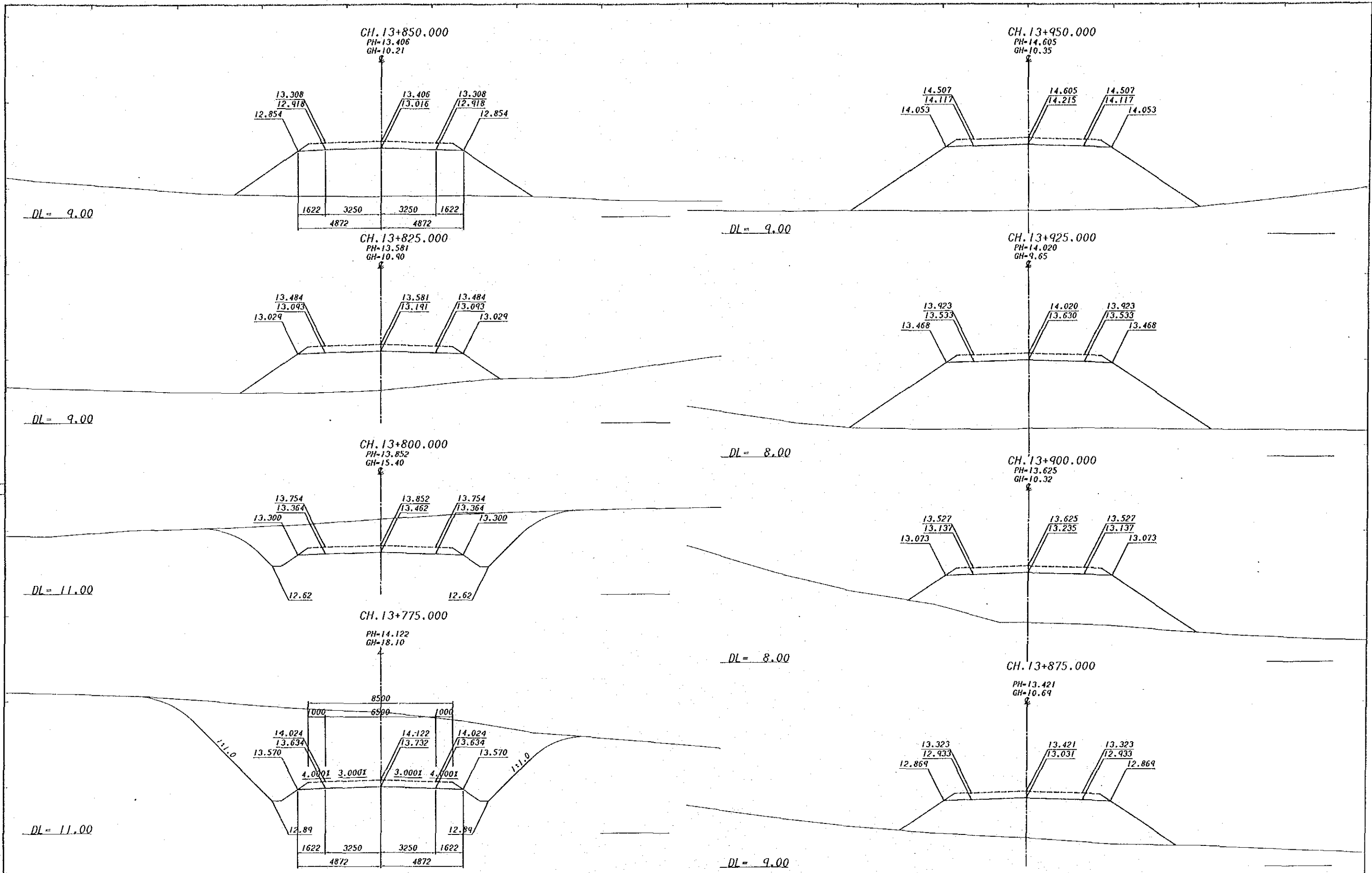
SURVEY JICA Date VERTICAL DATUM MEAN SEA LEVEL HORIZONTAL DATUM SURVEY BOOK NO.		DESIGN JAPAN INTERNATIONAL CO-OPERATION AGENCY J. Matsuda 25 Sep. 1989 Date		DRAWN K.E. CHECKED DESIGNED A. Magabo CHECKED		RECOMMENDED PROJECT ENGINEER APPROVED 24.10.89 EXECUTIVE ENGINEER SECRETARY		SCALES HORIZONTAL & VERTICAL m. 1 : 100 SHEET 154 OF 281		CENTRAL / GULF PROVINCES TRANS-ISLAND HIGHWAY BEREINA-MALALUA SECTION CROSS SECTIONS CH. 13 + 225 — CH. 13 + 375 PAPUA NEW GUINEA DEPARTMENT OF WORKS DRAWING No. A1/ 87912	
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REVISIONS REV. AMENDMENTS BY APP'D DATE		SURVEY JICA Date: _____ VERTICAL DATUM: MEAN SEA LEVEL HORIZONTAL DATUM: _____ SURVEY BOOK NO. # _____		DESIGN JAPAN INTERNATIONAL CO-OPERATION AGENCY Principal: <i>J. H. ...</i> 25 Sep. 1989 Date: _____		DRAWN K.E. CHECKED: <i>[Signature]</i> DESIGNED: <i>A. Magali</i> CHECKED: <i>[Signature]</i>		RECOMMENDED PROJECT ENGINEER: <i>[Signature]</i> PRINCIPAL ENGINEER: <i>[Signature]</i> APPROVED: <i>[Signature]</i> 24.10.89 EXECUTIVE ENGINEER: <i>[Signature]</i> SECRETARY: <i>[Signature]</i>		SCALES HORIZONTAL & VERTICAL m. 1 : 100 SHEET 155 OF 281 PROJECT No. S.C. 120-33-814/A		CENTRAL / GULF PROVINCES TRANS-ISLAND HIGHWAY HERIENA-MALALAU SECTION CROSS SECTIONS CH. 13 + 400 — CH. 13 + 575 PAPUA NEW GUINEA DEPARTMENT OF WORKS DRAWING No. A1/ 87913	
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REV.		AMENDMENTS		BY	APP'D	DATE	SURVEY		DESIGN		DRAWN		RECOMMENDED		SCALES		CENTRAL / GULF PROVINCES	
							JICA		JAPAN INTERNATIONAL CO-OPERATION AGENCY		K.E.		Principal Engineer		1:100		TRANS-ISLAND HIGHWAY BERBINA-MALALAU SECTION	
							Date		Date		Date		Date		HORIZONTAL & VERTICAL m.		CROSS SECTIONS	
							MEAN SEA LEVEL.		Date		Date		Date		1:100		CH. 13 + 600 — CH. 13 + 750	
							SURVEY BOOK No.		Date		Date		Date		PROJECT No.		PAPUA NEW GUINEA DEPARTMENT OF WORKS	
							S.C.120-33-814/A		Date		Date		Date		SHEET 156 OF 281		DRAWING No. A1/ 87914	



REV.		AMENDMENTS		BY	APP'D	DATE	SURVEY		DESIGN		DRAWN		RECOMMENDED		SCALES		CENTRAL / GULF PROVINCES	
							JICA		JAPAN INTERNATIONAL CO-OPERATION AGENCY		K. E.		Principal Engineer		1 : 100		TRANS-ISLAND HIGHWAY BEREINA-MALALAU SECTION	
							VERTICAL DATUM MEAN SEA LEVEL		J. J. ...		CHECKED A. Magaña		APPROVED 27.10.89		HORIZONTAL & VERTICAL m.		CROSS SECTIONS	
							HORIZONTAL DATUM		25 Sep. 1989		EXECUTIVE ENGINEER		SECRETARY		SHEET 157 OF 281		CH. 13 + 775 — CH. 13 + 950	
							SURVEY BOOK NOS		Date		PROJECT No. S.C. 120-33-814/A		DEPARTMENT OF WORKS		DRAWING No. A1/ 87915		REV.	