

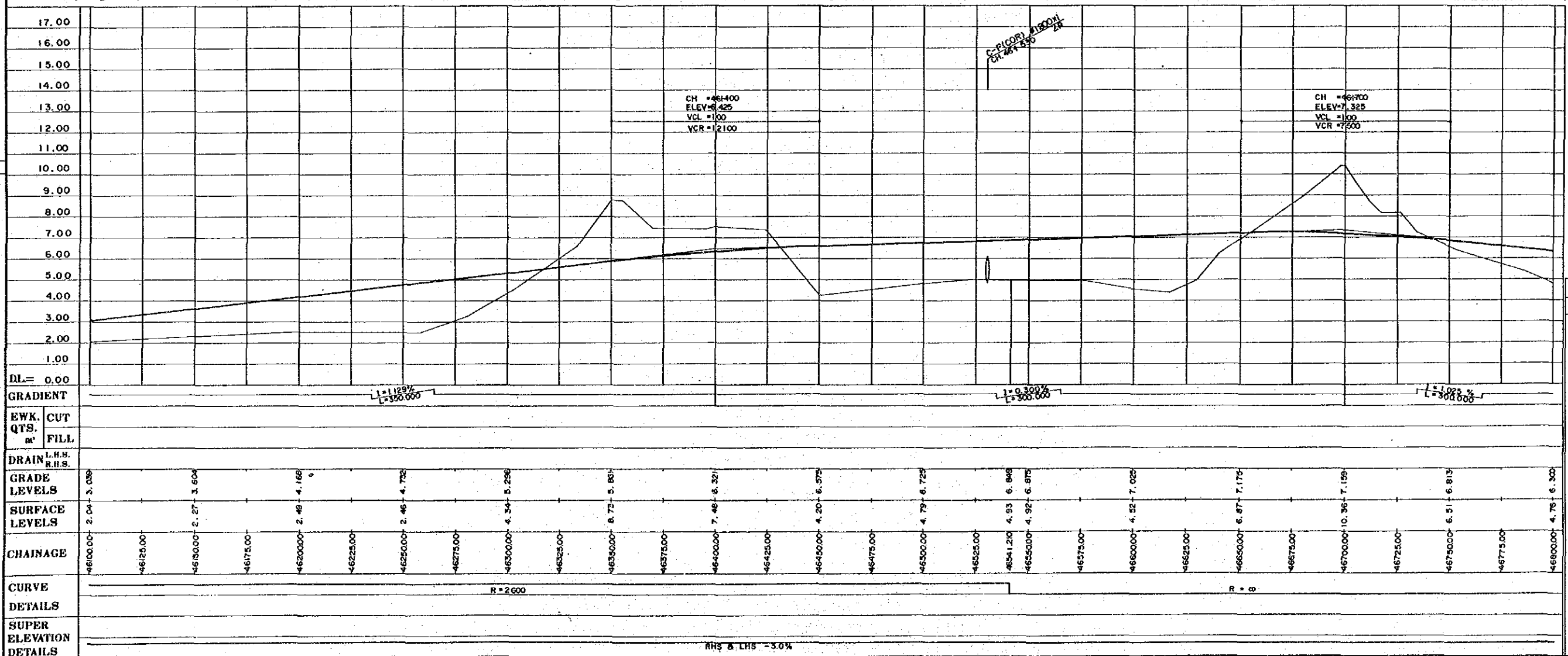
MILINCH OF _____
FOURMIL OF _____

STATION	CH	ELEV
12	9085402.348	427816.133
13	9081255.114	423213.145
14	9078370.690	425695.963

TRAFFIC CATEGORY MEDIUM
DESIGN SPEED 70 kph
FORMATION WIDTH 8.5 m
SEAL WIDTH 6.5 m

JOINS PLAN No. A1/ 88097

JOINS PLAN No. A1/ 88099



NOTES:
1. Co-ordinates shown are A.M.G. (Australian Mapping Grid)
2. Scale factor of 0.9996 at central meridian 147° East Longitude applies

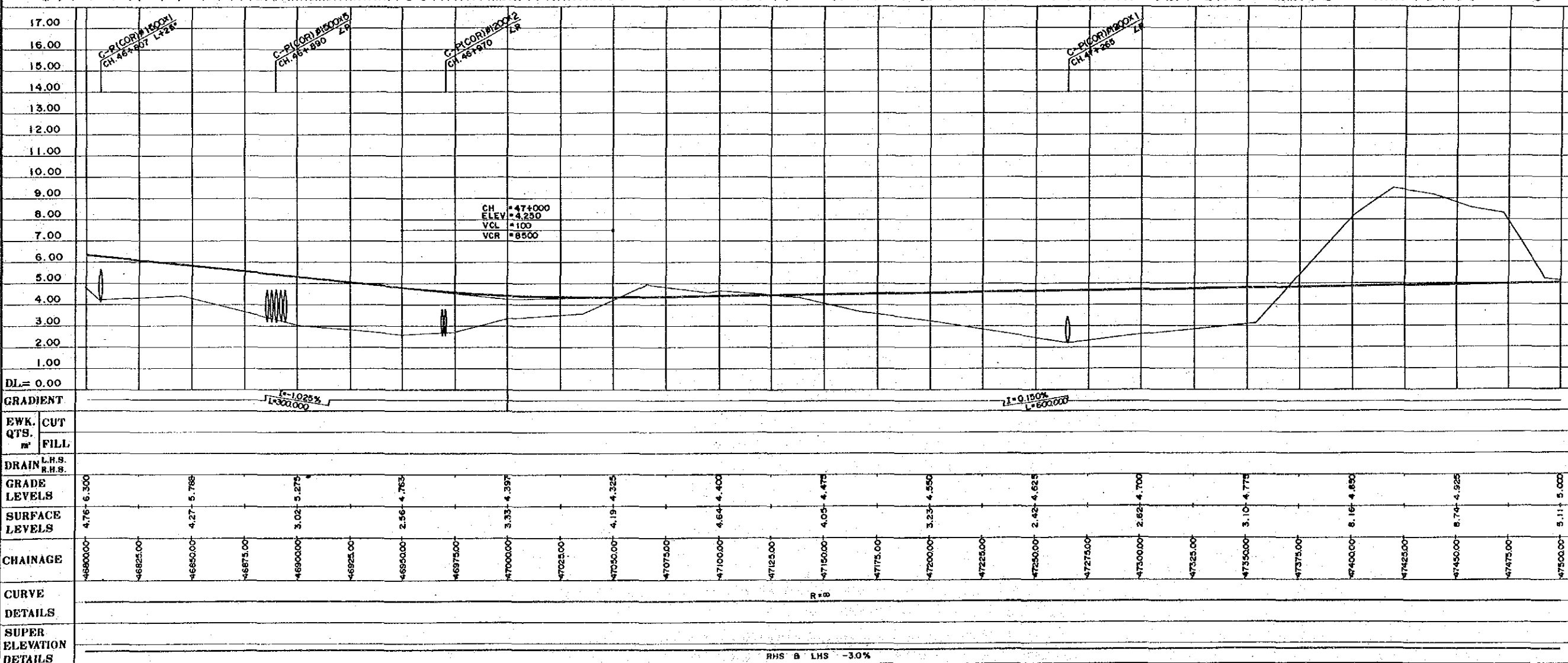
REV. AMENDMENTS BY APPD DATE		SURVEY JICA Date VERTICAL DATUM ORIGIN MEAN SEA LEVEL HOKKA TIDE G. HORIZONTAL DATUM ORIGIN AZIMUTH DATA A.M.G. A4889 SURVEY BOOK NRS		DESIGN JAPAN INTERNATIONAL CO-OPERATION AGENCY Date 25 Sep. 1999 Date		DRAWN K.E. CHECKED DESIGNED CHECKED		RECOMMENDED PROJECT ENGINEER PRINCIPAL ENGINEER APPROVED EXECUTIVE ENGINEER SECRETARY		SCALES 0 10 20 30 40 50 60 70 80 90 100m HORIZ SECTION 1:1,000 0 1 2 3 4 5 6 7 8 9 10m VERTICAL SECTION 1:100		CENTRAL / GULF PROVINCES TRANS-ISLAND HIGHWAY (BEREINA-MALALAU SECTION) PLAN & LONGITUDINAL SECTION CH. 46 + 100 --- CH. 46 + 800 PAPUA NEW GUINEA DEPARTMENT OF WORKS DRAWING No. A1/ 88098	
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MILINCH OF
FOURMIL OF

TRAFFIC CATEGORY MEDIUM
DESIGN SPEED 70 kph
FORMATION WIDTH 8.5 m
SEAL WIDTH 6.5 m

JOINS PLAN No. A1/ 88098

JOINS PLAN No. A1/ 88100



NOTES:
1. Co-ordinates shown are A.M.G. (Australian Mapping Grid)
2. Scale factor of 0.9996 at central meridian 147° East Longitude applies

OFFSET PEGS
DIST OFFSET R.L.

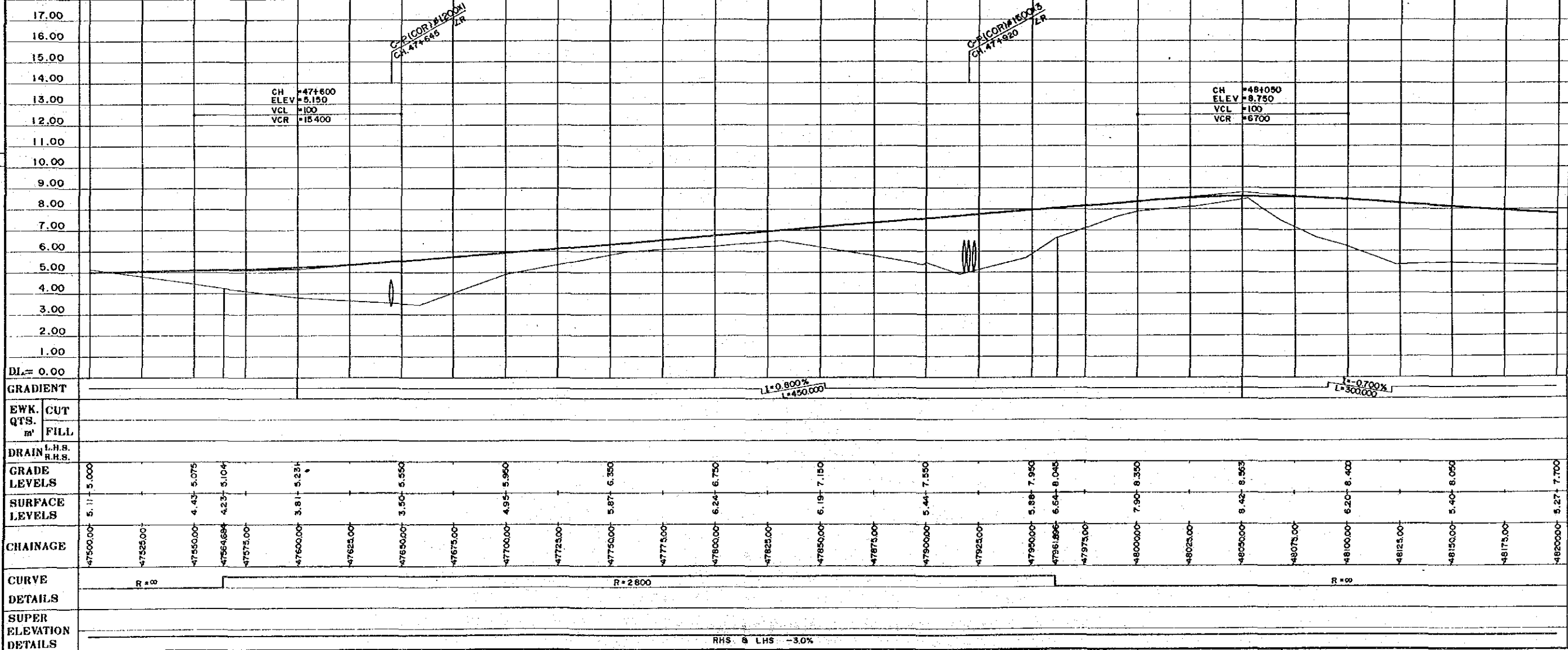
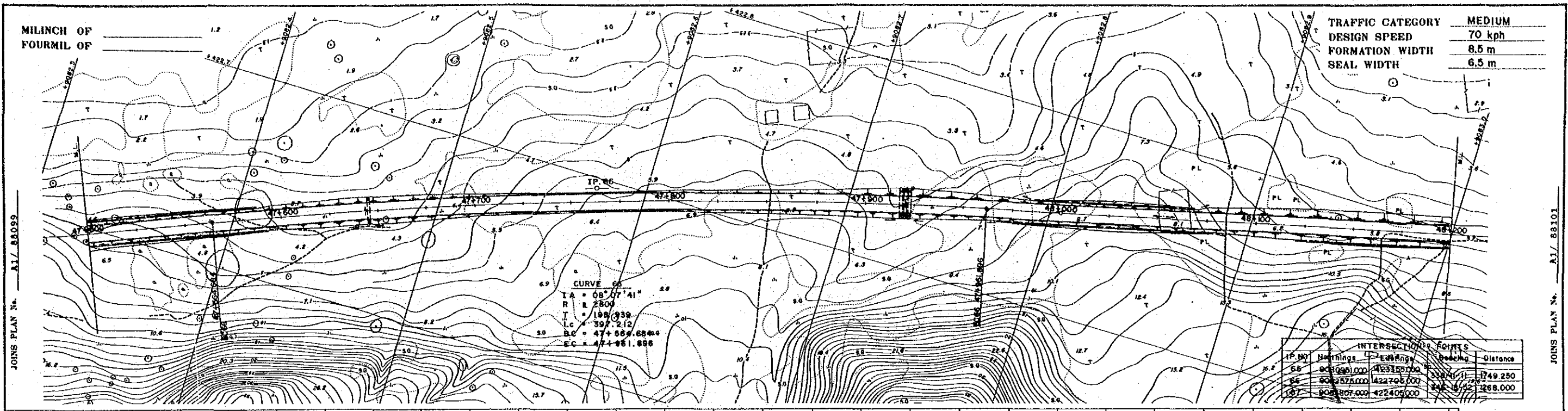
REV. AMENDMENTS		BY	APP'D	DATE	SURVEY JICA VERTICAL DATUM ORIGIN MEAN SEA LEVEL IOKEA TIDE G. HORIZONTAL DATUM ORIGIN AZIMUTH DATA A.M.G. A809 SURVEY BOOK NOS	DESIGN JAPAN INTERNATIONAL CO-OPERATION AGENCY Principal 25 Sep. 1989 Date	DRAWN K.E. CHECKED DESIGNED CHECKED	RECOMMENDED PROJECT ENGINEER APPROVED EXECUTIVE ENGINEER	SCALES HORIZ SECTION 1:1,000 VERTICAL SECTION 1:100	CENTRAL / GULF PROVINCES TRANS-ISLAND HIGHWAY (BEREINA-MALALAU SECTION) PLAN & LONGITUDINAL SECTION CH. 46 + 800 — CH.47 + 500 PAPUA NEW GUINEA DEPARTMENT OF WORKS DRAWING No. A1/ 88099
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MILINCH OF
FOURMIL OF

TRAFFIC CATEGORY MEDIUM
DESIGN SPEED 70 kph
FORMATION WIDTH 8.5 m
SEAL WIDTH 6.5 m

JOINS PLAN No. A1/ 88099

JOINS PLAN No. A1/ 88101



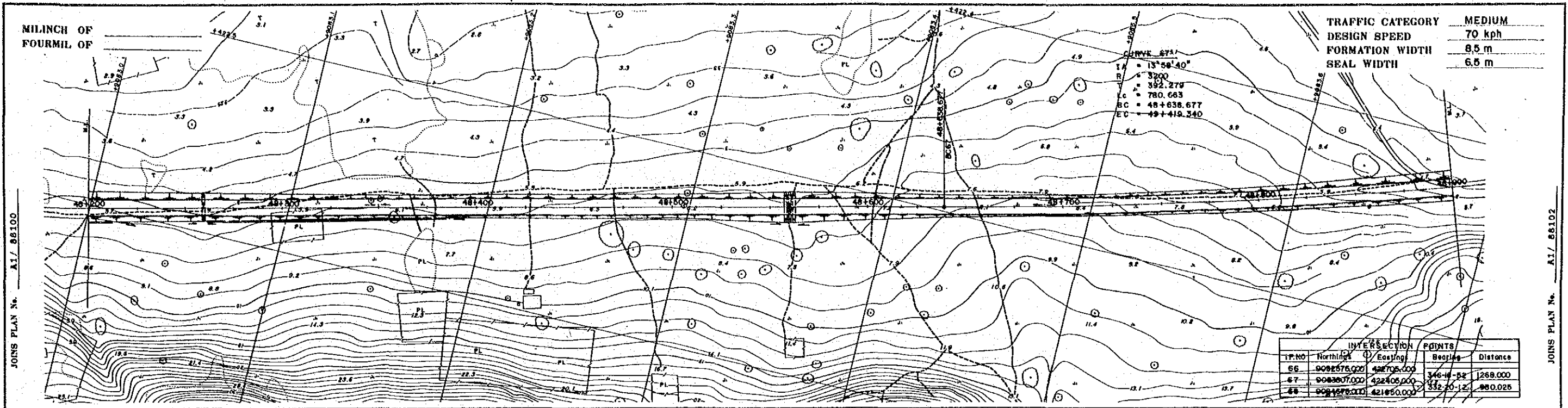
NOTES:
1. Co-ordinates shown are A.M.G. (Australian Mapping Grid)
2. Scale factor of 0.9996 at central meridian 147° East Longitude applies

OFFSET PEGS
DIST OFFSET R.L.

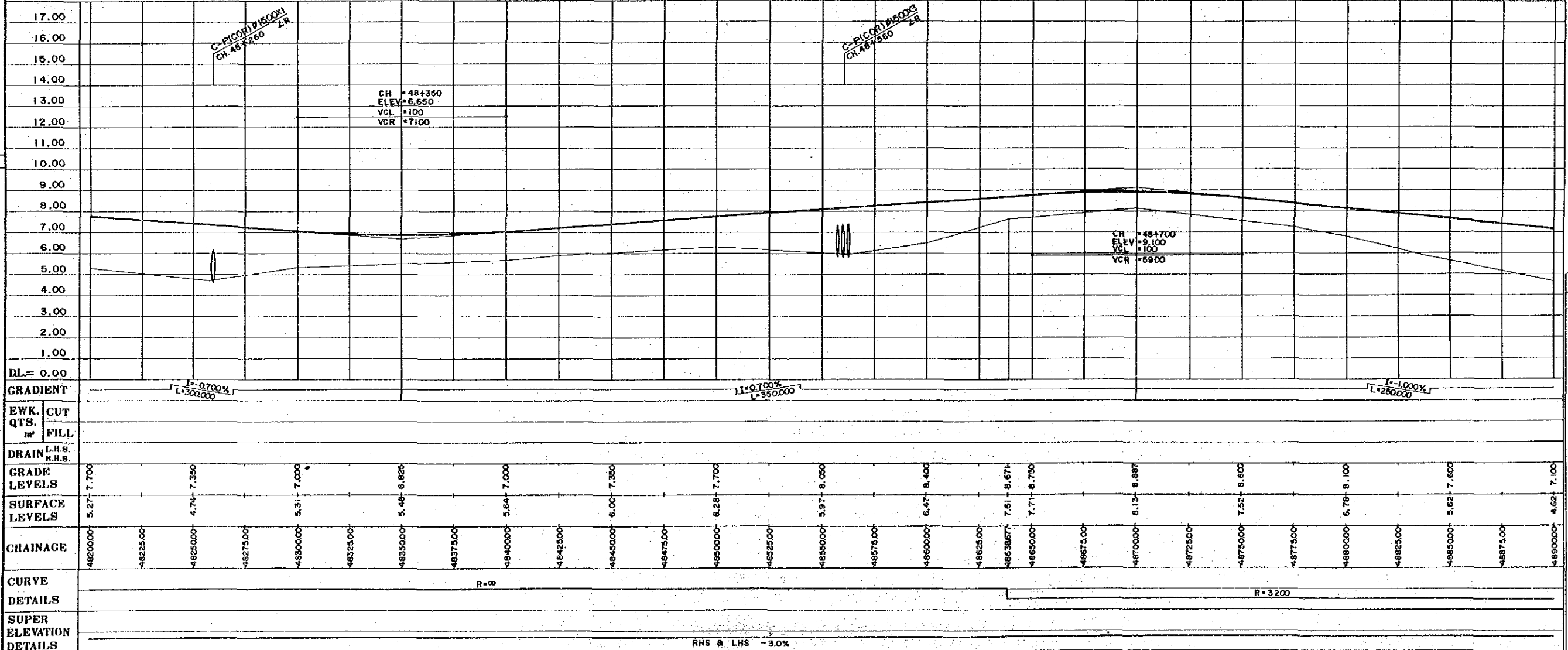
JICA JAPAN INTERNATIONAL CO-OPERATION AGENCY Date: 25 Sep. 1989 Principal: J. Yamada		DESIGN K. E. PROJECT ENGINEER W. K. ... PRINCIPAL ENGINEER APPROVED: 25.10.89 J. ... SECRETARY		SCALE 0 10 20 30 40 50 60 70 80 90 100m HORIZ SECTION 1:1,000 0 1 2 3 4 5 6 7 8 9 10m VERTICAL SECTION 1:100		CENTRAL / GULF PROVINCES TRANS-ISLAND HIGHWAY (BEREINA-MALALAU SECTION) PLAN & LONGITUDINAL SECTION CH. 47 + 500 — CH. 48 + 200 PAPAN NEW GUINEA DEPARTMENT OF WORKS DRAWING No. A1/ 88100	
REV	AMENDMENTS	BY	APP'D	DATE	SURVEY BOOK No. 8	PROJECT No. S.C. 120-33-814/B	SHEET 66 OF 303

MILINCH OF
FOURMIL OF

TRAFFIC CATEGORY MEDIUM
DESIGN SPEED 70 kph
FORMATION WIDTH 8.5 m
SEAL WIDTH 6.5 m



PT. NO.	Northings	Eastings	Bearing	Distance
66	9082576.000	422705.000	346° 45'	1268.000
67	9083607.000	422405.000	332° 20' 12"	980.025
68	9084575.000	421850.000		



NOTES:
1. Co-ordinates shown are A.M.G. (Australian Mapping Grid)
2. Scale factor of 0.9996 at central meridian 147° East Longitude applies

OFFSET PEGS
DIST OFFSET R.L.

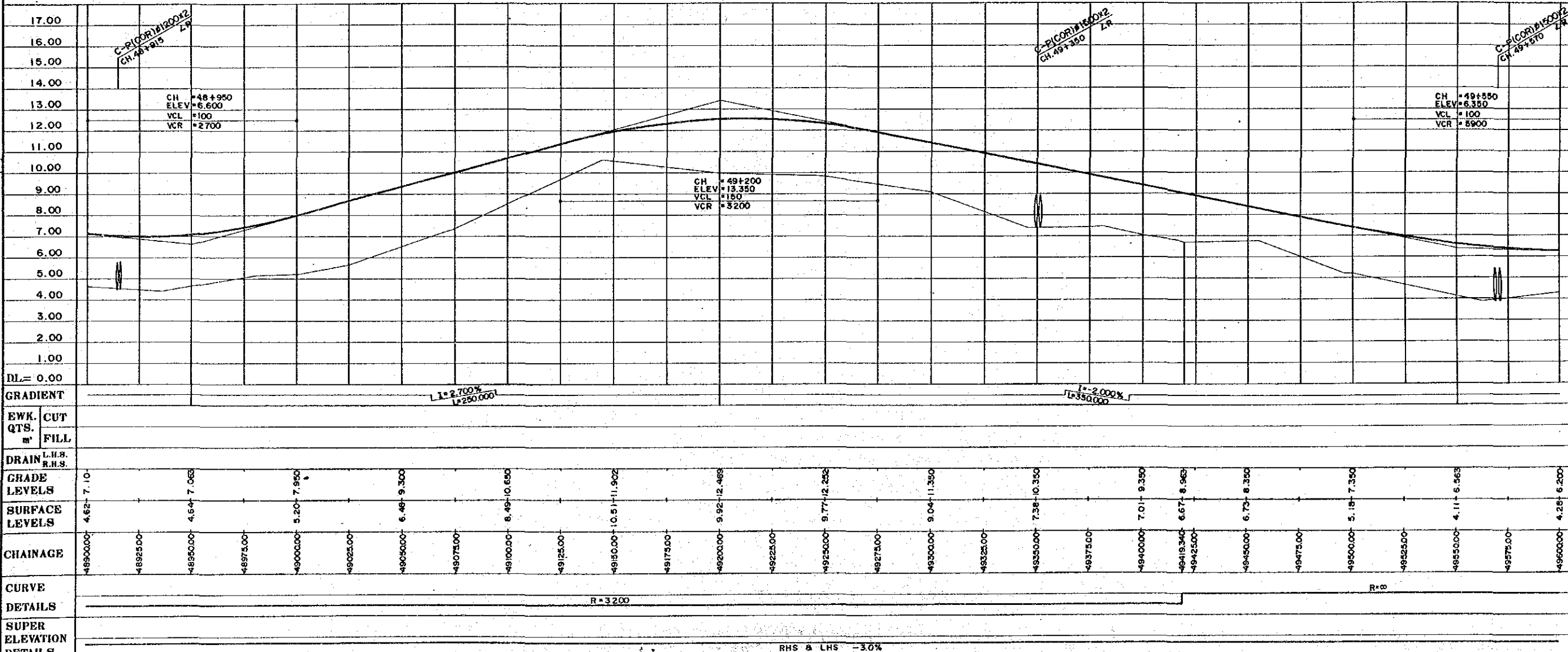
<p>REV AMENDMENTS BY APP'D DATE</p>		<p>SURVEY JICA Date VERTICAL DATUM ORIGIN MEAN SEA LEVEL, TOKIA TIDE G. HORIZONTAL DATUM ORIGIN AZIMUTH DATA A.M.G. A4809 SURVEY BOOK REF.</p>		<p>DESIGN JAPAN INTERNATIONAL CO-OPERATION AGENCY Date 25 Sep. 1989</p>		<p>DRAWN K.E. CHECKED DESIGNED CHECKED</p>		<p>RECOMMENDED APPROVED 26.12.89 PRINCIPAL ENGINEER EXECUTIVE ENGINEER</p>		<p>SCALES HORIZ. SECTION 1:1,000 VERTICAL SECTION 1:100</p>		<p>CENTRAL / GULF PROVINCES TRANS-ISLAND HIGHWAY (BEREINA-MALALAU SECTION) PLAN & LONGITUDINAL SECTION CH. 48 + 200 — CH. 48 + 900</p>	
								<p>SHEET 67 of 303 PROJECT No. S.C.120-33-814/II</p>		<p>PAPUA NEW GUINEA DEPARTMENT OF WORKS DRAWING No. A1/ 88101</p>			

MILINCH OF
FOURMIL OF

TRAFFIC CATEGORY	MEDIUM
DESIGN SPEED	70 kph
FORMATION WIDTH	8.5 m
SEAL WIDTH	6.5 m

JOINS PLAN No. A1/ 88101

JOINS PLAN No. A1/ 88101



NOTES:
1. Co-ordinates shown are A.M.G. (Australian Mapping Grid)
2. Scale factor of 0.9996 at central meridian 147° East Longitude applies

OFFSET PEGS

DIST	OFFSET	R.L.

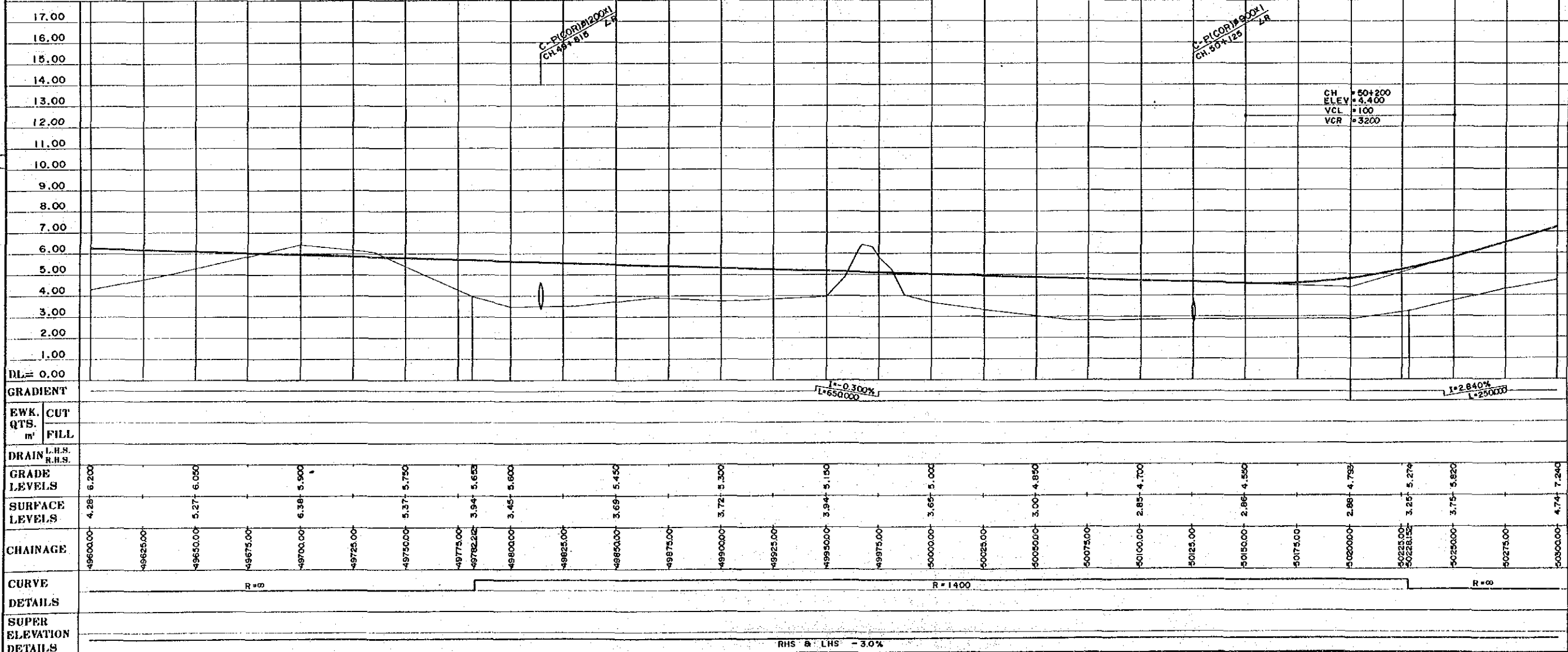
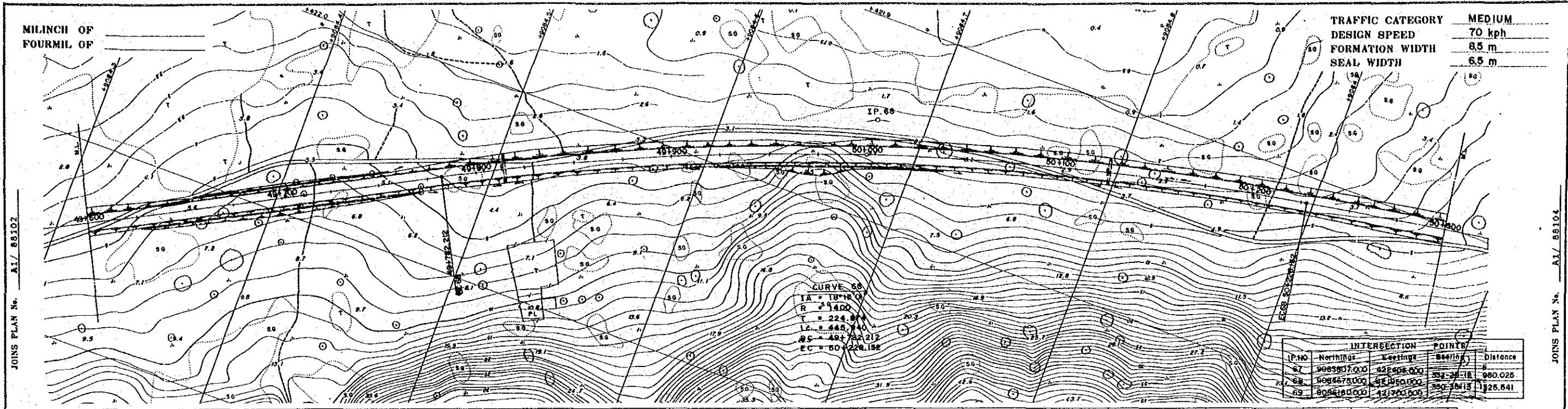
<p>REV. AMENDMENTS</p>		<p>BY APP'D DATE</p>		<p>SURVEY JICA Date</p>		<p>DESIGN JAPAN INTERNATIONAL CO-OPERATION AGENCY Date: 25 Sep. 1989</p>		<p>DRAWN K.E. Checked: [Signature] Designed: A. Magaña Checked: [Signature]</p>		<p>RECOMMENDED [Signature] PROJECT ENGINEER [Signature] EXECUTIVE ENGINEER</p>		<p>APPROVED [Signature] PRINCIPAL ENGINEER [Signature] SECRETARY</p>		<p>SCALES HORIZ SECTION 1:1,000 VERTICAL SECTION 1:100</p>		<p>CENTRAL / GULF PROVINCES TRANS-ISLAND HIGHWAY (BEREINA-MALALAU SECTION) PLAN & LONGITUDINAL SECTION CH. 48 + 900 — CH.49 + 600 PAPUA NEW GUINEA DEPARTMENT OF WORKS DRAWING No. A1/ 88102</p>			
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MILINCH OF
FOURMIL OF

TRAFFIC CATEGORY MEDIUM
DESIGN SPEED 70 kph
FORMATION WIDTH 8.5 m
SEAL WIDTH 6.5 m

JOINS PLAN No. A1/ 88102

JOINS PLAN No. A1/ 88104



NOTES:
1. Co-ordinates shown are A.M.G. (Australian Mapping Grid)
2. Scale factor of 0.9996 at central meridian 147° East Longitude applies

OFFSET PEGS
DIST OFFSET R.L.

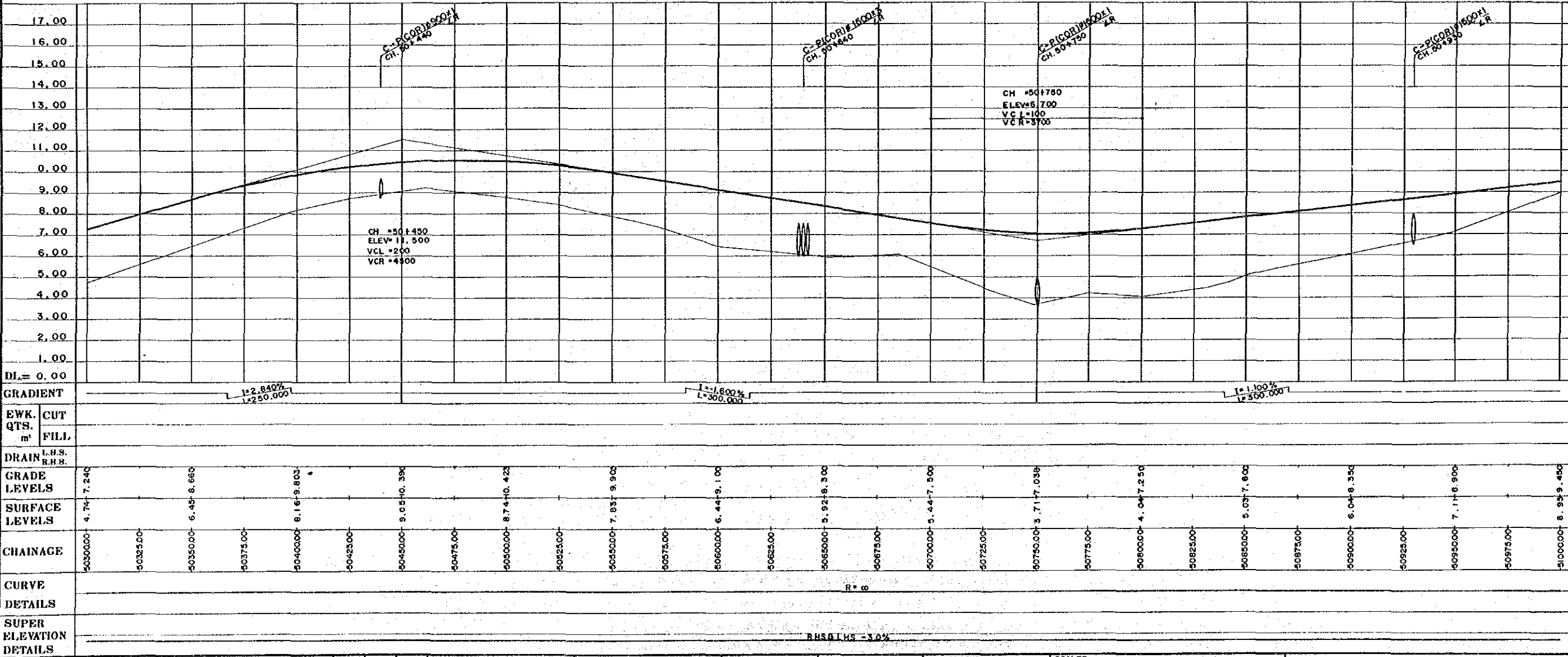
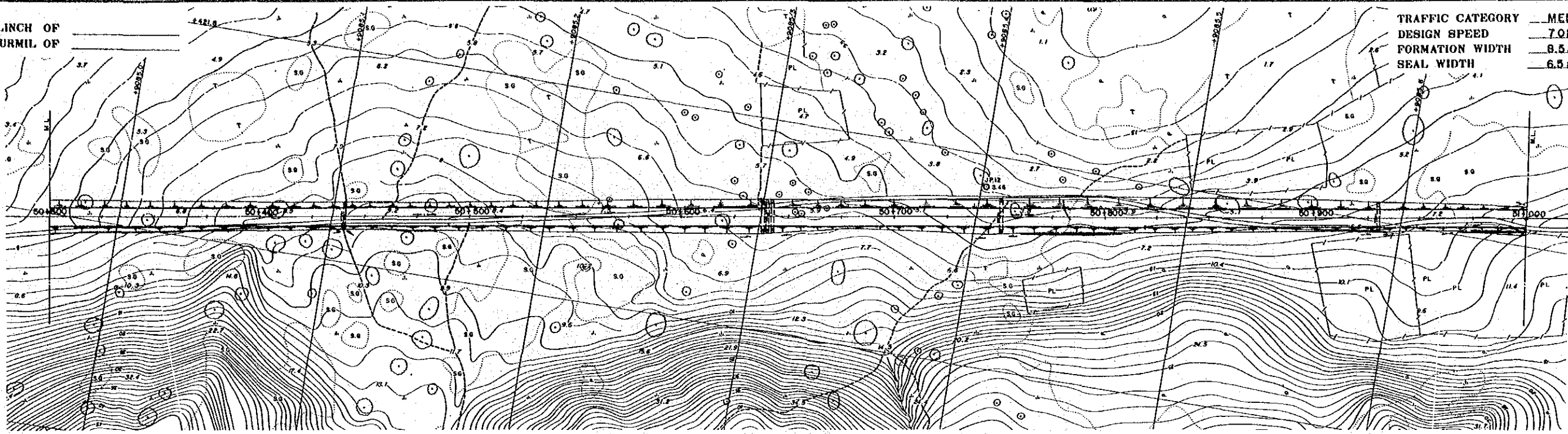
REV	AMENDMENTS	BY	APP'D	DATE	SURVEY	DESIGN	DRAWN	RECOMMENDED	SCALES	PROJECT No.	DRAWING No.
					JICA Date VERTICAL DATUM ORIGIN MEAN SEA LEVEL TOKYO TIDE G. HORIZONTAL DATUM ORIGIN AZIMUTH DATA A.M.G. AA009 SURVEY BOOK No 9	JAPAN INTERNATIONAL CO-OPERATION AGENCY Date 25 Sep. 1989	K.E. Date 25.10.89	Principal Engineer Date 25.10.89	HORIZ. SECTION 1:1,000 VERTICAL SECTION 1:100	S.C.120-33-814/B	A1/ 88103

MILINCH OF
FOURMIL OF

TRAFFIC CATEGORY MEDIUM
DESIGN SPEED 70kph
FORMATION WIDTH 8.5m
SEAL WIDTH 6.5m

JOINS PLAN No. A1/ 88103

JOINS PLAN No. A1/ 88105



NOTES:
1. Co-ordinates shown are A.M.G. (Australian Mapping Grid)
2. Scale factor of 0.9996 at central meridian 147° East Longitude applies

OFFSET PEGS
DIST OFFSET R.L.

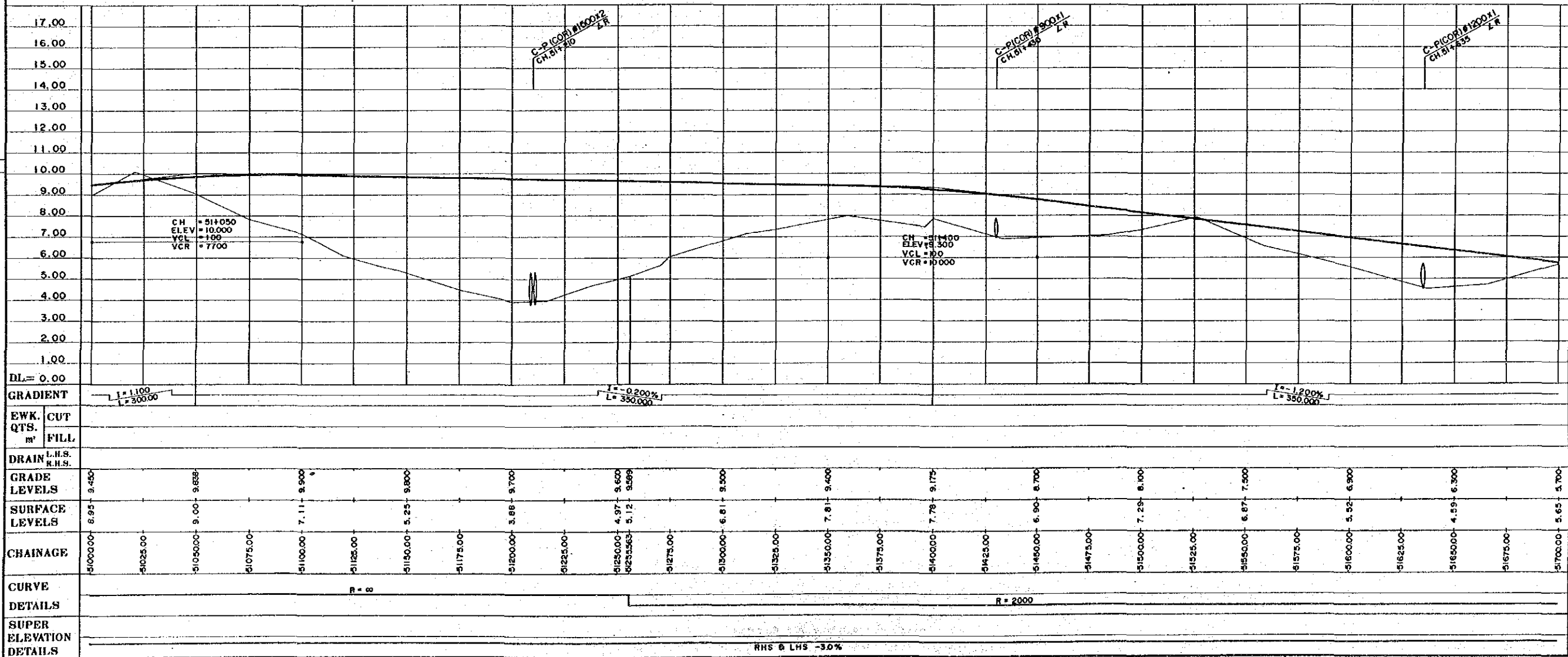
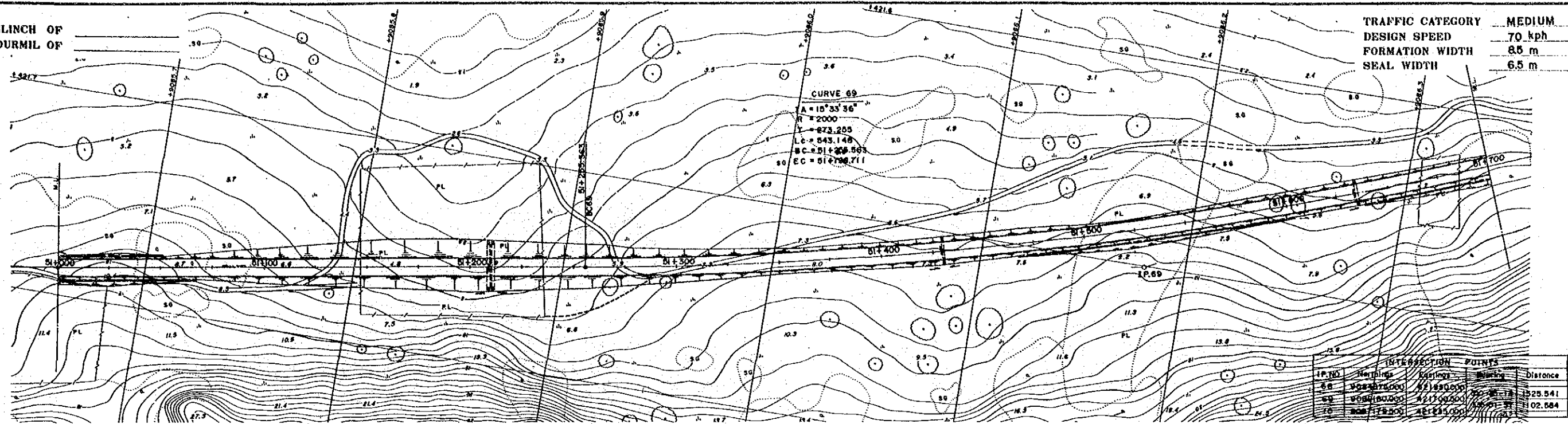
<p>REV AMENDMENTS BY APP'D DATE</p>		<p>SURVEY JICA Date VERTICAL DATUM ORIGIN MEAN SEA LEVEL, IOKEA TIDE G. HORIZONTAL DATUM ORIGIN AZIMUTH DATA A.M.G. AA609 SURVEY BOOK NO.9</p>		<p>DESIGN JAPAN INTERNATIONAL CO-OPERATION AGENCY Date 25 Sep. 1989</p>		<p>DRAWN K.E. CHECKED DESIGNED CHECKED</p>		<p>RECOMMENDED PROJECT ENGINEER APPROVED PRINCIPAL ENGINEER SECRETARY</p>		<p>SCALES HORIZ SECTION 1:1,000 VERTICAL SECTION 1:100</p>		<p>CENTRAL / GULF PROVINCES TRANS-ISLAND HIGHWAY (BEREINA-MALALUA SECTION) PLAN & LONGITUDINAL SECTION CH. 50 + 300 — CH. 51 + 000 PAPUA NEW GUINEA DEPARTMENT OF WORKS DRAWING No. A1/ 88104</p>			
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MILINCH OF
FOURMIL OF

TRAFFIC CATEGORY MEDIUM
DESIGN SPEED 70 kph
FORMATION WIDTH 8.5 m
SEAL WIDTH 6.5 m

JOINS PLAN No. A1/ 88103

JOINS PLAN No. A1/ 88106



NOTES:
1. Co-ordinates shown are A.M.G. (Australian Mapping Grid)
2. Scale factor of 0.9996 at central meridian 147° East Longitude applies

OFFSET PEGS
DIST OFFSET R.L.

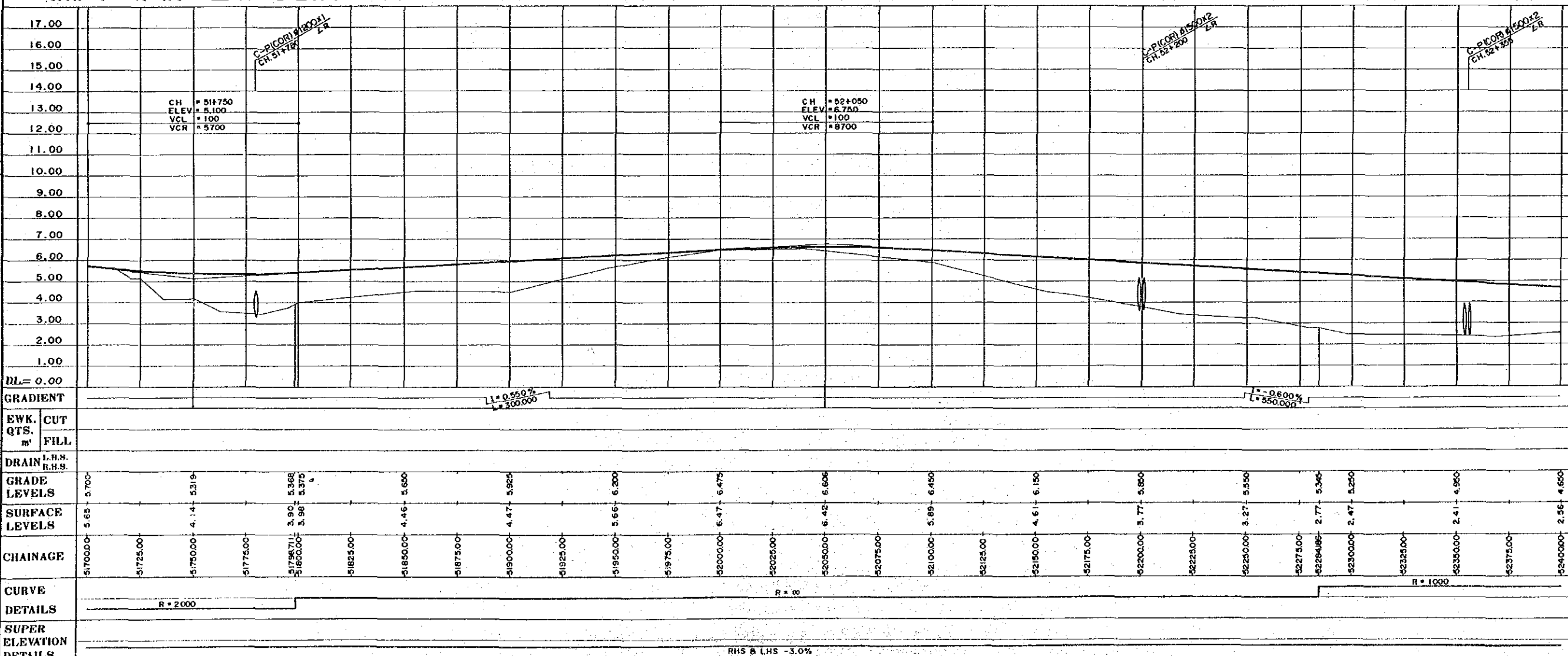
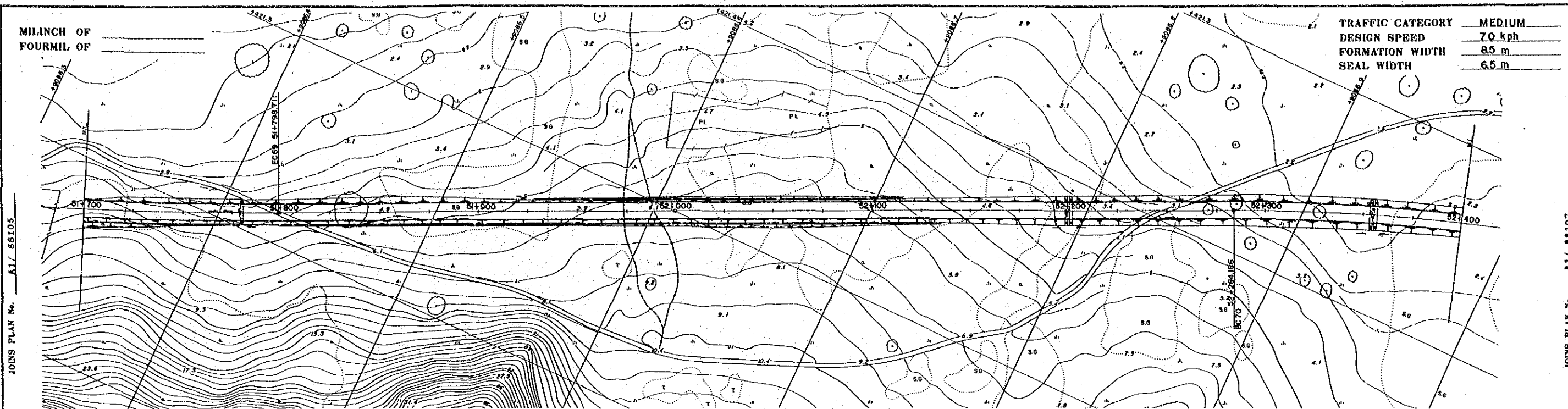
REV		AMENDMENTS		BY	APP'D	DATE	SURVEY JICA Date		DESIGN JAPAN INTERNATIONAL CO-OPERATION AGENCY Date: 25 Sep. 1989		DRAWN K.E. CHECKED DESIGNED CHECKED		RECOMMENDED PROJECT ENGINEER APPROVED EXECUTIVE ENGINEER		SCALES HORIZ SECTION 1:1,000 VERTICAL SECTION 1:100		CENTRAL / GULF PROVINCES TRANS-ISLAND HIGHWAY (BEREINA-MALALAU SECTION) PLAN & LONGITUDINAL SECTION CH. 51 + 000 — CH. 51 + 700		PAPUA NEW GUINEA DEPARTMENT OF WORKS DRAWING No. A1/ 88105	
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MILINCH OF
FOURMIL OF

TRAFFIC CATEGORY MEDIUM
DESIGN SPEED 70 kph
FORMATION WIDTH 8.5 m
SEAL WIDTH 6.5 m

JOINS PLAN No. A1/ 88105

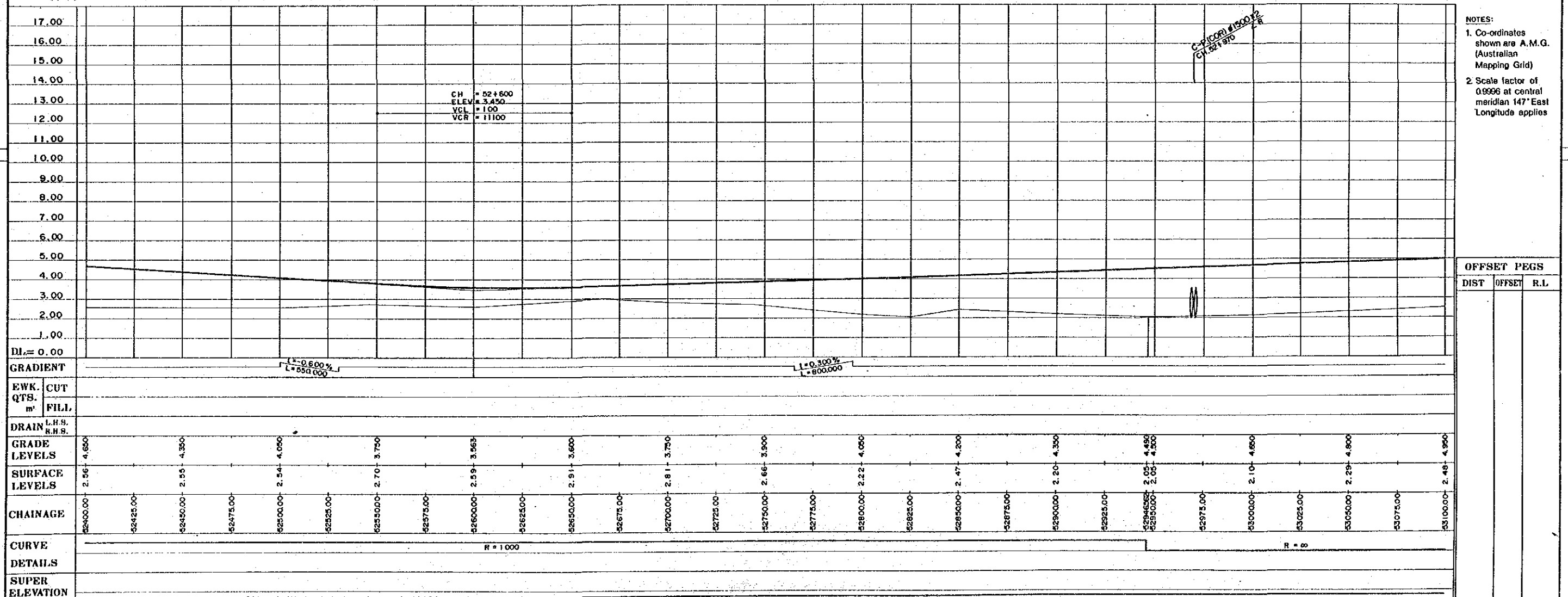
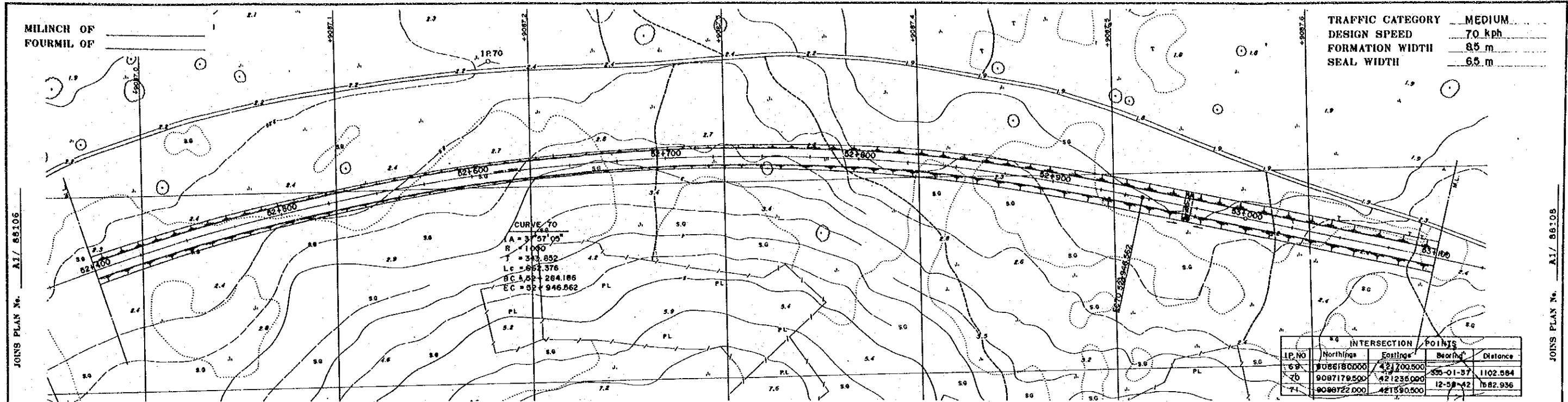
JOINS PLAN No. A1/ 88107



NOTES:
1. Co-ordinates shown are A.M.G. (Australian Mapping Grid)
2. Scale factor of 0.9996 at central meridian 147° East Longitude applies

OFFSET PEGS
DIST OFFSET R.L.

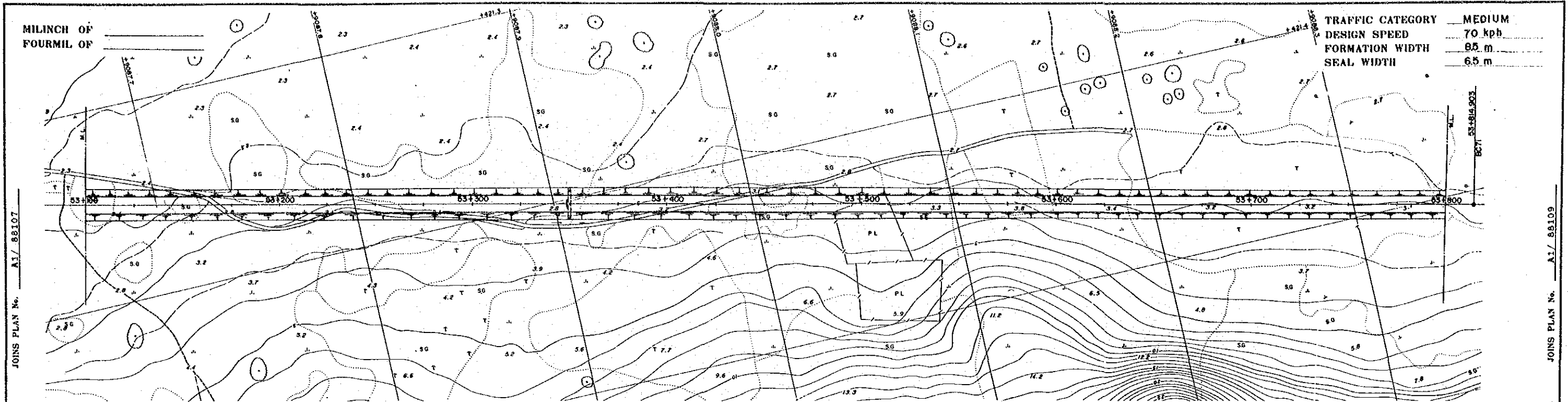
<p>REV. AMENDMENTS BY APP'D DATE</p>		<p>SURVEY JICA Date VERTICAL DATUM ORIGIN MEAN SEA LEVEL, IOKEA TIDE G. HORIZONTAL DATUM ORIGIN AZIMUTH DATA A.M.G. AA009 SURVEY BOOK NRS</p>	<p>DESIGN JAPAN INTERNATIONAL CO-OPERATION AGENCY Date 25 Sep. 1989 Date</p>	<p>DRAWN K.E. CHECKED DESIGNED CHECKED</p>	<p>RECOMMENDED PROJECT ENGINEER APPROVED PRINCIPAL ENGINEER SECRETARY</p>	<p>SCALES 0 10 20 30 40 50 60 70 80 90 100(m) HORIZ SECTION 1:1,000 0 1 2 3 4 5 6 7 8 9 10(m) VERTICAL SECTION 1:100</p>	<p>CENTRAL / GULF PROVINCES TRANS-ISLAND HIGHWAY (BEREINA-MALALAU SECTION) PLAN & LONGITUDINAL SECTION CH. 51 + 700 — CH. 52 + 400 PAPUA NEW GUINEA DEPARTMENT OF WORKS DRAWING No. A1/ 88106</p>
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NOTES:
 1. Co-ordinates shown are A.M.G. (Australian Mapping Grid)
 2. Scale factor of 0.9996 at central meridian 147° East Longitude applies

OFFSET PEGS
 DIST OFFSET R.L.

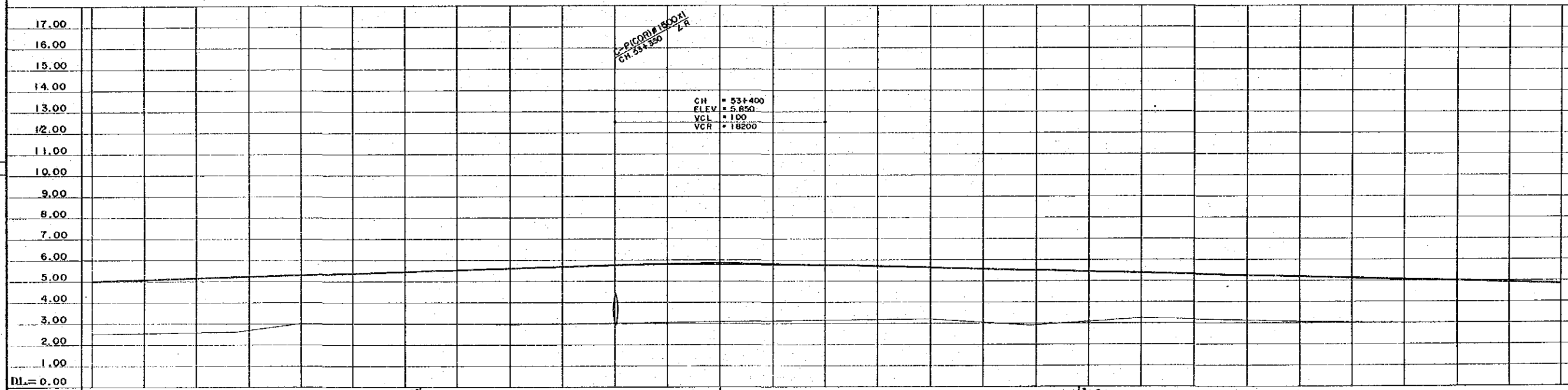
JICA JAPAN INTERNATIONAL CO-OPERATION AGENCY Date: 25 Sep. 1989 Principal: J. Yamada		DESIGN K.E. PROJECT ENGINEER A. Magesa CHECKED EXECUTIVE ENGINEER		RECOMMENDED APPROVED PRINCIPAL ENGINEER SECRETARY		SCALES HORIZ SECTION 1:1000 VERTICAL SECTION 1:100 SHEET 73 OF 303		CENTRAL / GULF PROVINCES TRANS-ISLAND HIGHWAY (BEREINA-MALALAU SECTION) PLAN & LONGITUDINAL SECTION CH. 52 + 400 --- CH. 53 + 100 P.A.P.U.A. NEW GUINEA DEPARTMENT OF WORKS DRAWING No. A1/ 88107			
REV	AMENDMENTS	BY	APP'D	DATE	SURVEY	DESIGN	DRAWN	RECOMMENDED	SCALES	PROJECT No.	DRAWING No.



TRAFFIC CATEGORY MEDIUM
 DESIGN SPEED 70 kph
 FORMATION WIDTH 8.5 m
 SEAL WIDTH 6.5 m

JOINS PLAN No. A1/ 88107

JOINS PLAN No. A1/ 88109



NOTES:
 1. Co-ordinates shown are A.M.G. (Australian Mapping Grid)
 2. Scale factor of 0.9996 at central meridian 147° East Longitude applies

GRADIENT	L1 = 0.300% L = 800.000		L2 = 0.250% L = 1100.000	
EWK. CUT				
QTS. m	FILL			
DRAIN	I.H.S. / R.H.S.			
GRADE LEVELS	4.950	5.100	5.250	5.400
SURFACE LEVELS	2.48	2.57	2.99	2.95
CHAINAGE	53000.00	53150.00	53300.00	53450.00
CURVE DETAILS	R = ∞			
SUPER ELEVATION DETAILS	RHS & LHS -3.0%			

OFFSET PEGS
 DIST OFFSET R.L.

SURVEY JICA Date: _____ VERTICAL DATUM: MEAN SEA LEVEL IOKEA TIDE G. HORIZONTAL DATUM: AZIMUTH DATA A.M.G. AA009 SURVEY BOOK N.F.S. _____		DESIGN JAPAN INTERNATIONAL CO-OPERATION AGENCY Date: 25 Sep. 1989 Principal: <i>J. Jahan</i>		DRAWN K.E. CHECKED: <i>[Signature]</i> DESIGNED: <i>A. Magata</i> CHECKED: <i>[Signature]</i>		RECOMMENDED <i>[Signature]</i> PROJECT ENGINEER APPROVED: <i>[Signature]</i> PRINCIPAL ENGINEER SECRETARY		SCALES 0 10 20 30 40 50 60 70 80 90 100(m) HORIZ. SECTION 1:1,000 0 1 2 3 4 5 6 7 8 9 10(m) VERTICAL SECTION 1:100		CENTRAL / GULF PROVINCES TRANS-ISLAND HIGHWAY (BEREINA-MALALAU SECTION) PLAN & LONGITUDINAL SECTION CH. 53 + 100 — CH. 53 + 800 PAPUA NEW GUINEA DEPARTMENT OF WORKS DRAWING No. A1/ 88108	
REV.	AMENDMENTS	BY	APP'D	DATE	Principal	Executive Engineer	Secretary	SHEET 74 of 303	PROJECT No. S.C. 120-33-814/H	REV.	

MILINCH OF
FOURMIL OF

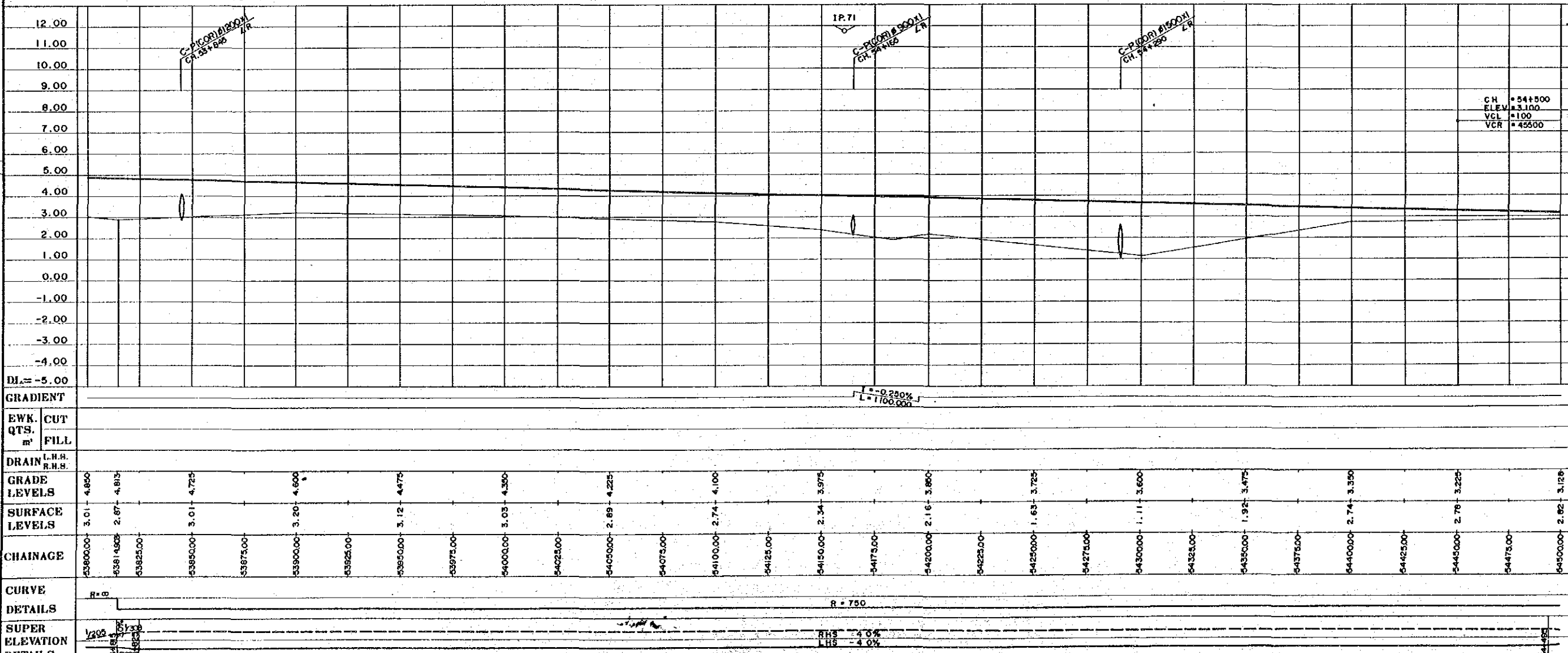
TRAFFIC CATEGORY MEDIUM
DESIGN SPEED 70 kph
FORMATION WIDTH 9.5 m
SEAL WIDTH 6.5 m

CURVE 71
I A = 52°36'37"
R = 750
T = 370.743
L C = 688.644
B C = 53+814.903
E C = 54+503.547

JOINS PLAN No. A1/ 88108

JOINS PLAN No. A1/ 88110

IP.NO	Northings	Eastings	Bearing	Distance
70	90871795.00	421235.000	12-58-42	1582.938
71	9088722.000	421590.500	320-22-11	1758.738
72	9090075.000	420470.000		



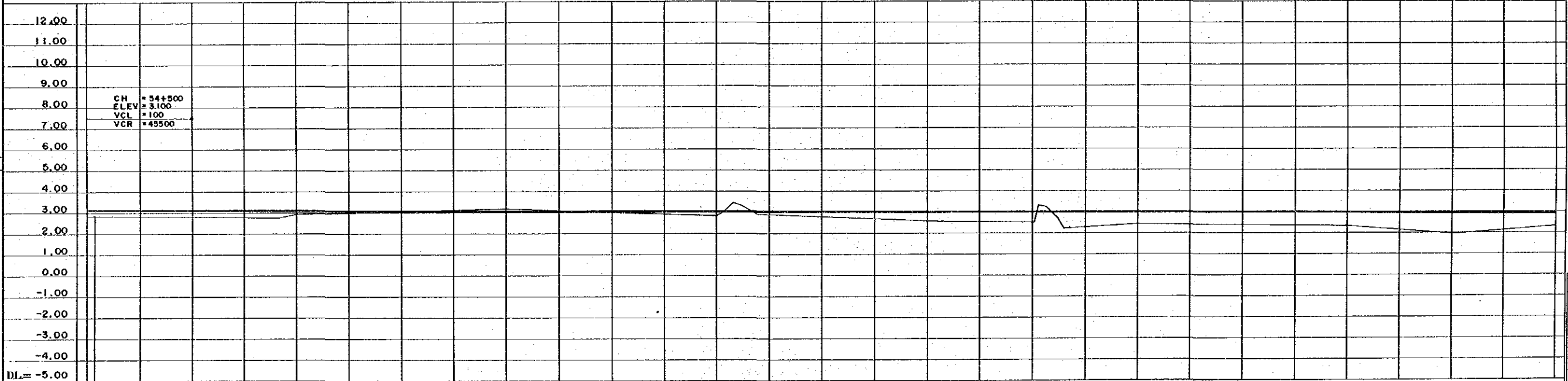
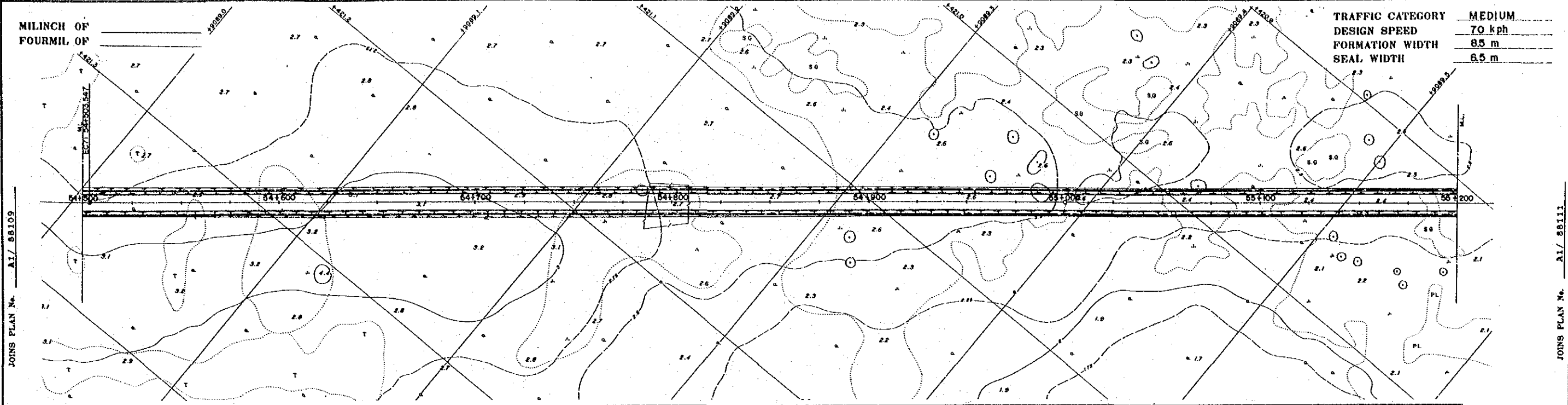
NOTES:
1. Co-ordinates shown are A.M.G. (Australian Mapping Grid)
2. Scale factor of 0.9996 at central meridian 147° East Longitude applies

OFFSET PEGS
DIST OFFSET R.L.

<p>REV AMENDMENTS</p>		<p>BY APP'D DATE</p>		<p>SURVEY JICA Date VERTICAL DATUM ORIGIN MEAN SEA LEVEL IOKEA TIDE G. HORIZONTAL DATUM ORIGIN AZIMUTH DATA A.M.G. AA989 SURVEY BOOK NO.8</p>	<p>DESIGN JAPAN INTERNATIONAL CO-OPERATION AGENCY Principal Date 25 Sep. 1989</p>	<p>DRAWN K.E. CHECKED DESIGNED CHECKED</p>	<p>RECOMMENDED PROJECT ENGINEER APPROVED EXECUTIVE ENGINEER</p>	<p>SCALES 0 10 20 30 40 50 60 70 80 90 100(m) HORIZ SECTION 1:1,000 0 1 2 3 4 5 6 7 8 9 10(m) VERTICAL SECTION 1:100</p>	<p>CENTRAL / GULF PROVINCES TRANS-ISLAND HIGHWAY (BEREINA-MALALUA SECTION) PLAN & LONGITUDINAL SECTION CH. 53 + 800 — CH.54 + 500</p>		<p>PAPUA NEW GUINEA DEPARTMENT OF WORKS DRAWING No. A1/ 88109</p>	<p>PROJECT No. S.C. 120-33-814/B SHEET 75 OF 303</p>
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MILINCH OF
FOURMIL OF

TRAFFIC CATEGORY MEDIUM
DESIGN SPEED 70 kph
FORMATION WIDTH 8.5 m
SEAL WIDTH 6.5 m



NOTES:
1. Co-ordinates shown are A.M.G. (Australian Mapping Grid)
2. Scale factor of 0.9996 at central meridian 147° East Longitude applies

CH	ELEV	VCL	VCR
*54+500	*3.100	*100	*48500

CH	ELEV	VCL	VCR
54500.00	3.128	2.82	3.128
54505.00	3.123	2.84	3.123
54525.00	3.085	2.79	3.085
54575.00	3.070	2.92	3.070
54625.00	3.095	3.04	3.095
54650.00	3.090	3.16	3.090
54700.00	3.025	2.98	3.025
54725.00	3.010	2.80	3.010
54800.00	2.995	2.75	2.995
54825.00	2.980	2.53	2.980
54850.00	2.965	2.47	2.965
54875.00	2.960	2.40	2.960
54900.00	2.955	2.35	2.955
54925.00	2.920	2.30	2.920
54950.00	2.905	1.91	2.905
54975.00	2.890	2.90	2.890
55000.00	2.890	2.90	2.890
55025.00	2.890	2.90	2.890
55050.00	2.890	2.90	2.890
55075.00	2.890	2.90	2.890
55100.00	2.890	2.90	2.890
55125.00	2.890	2.90	2.890
55150.00	2.890	2.90	2.890
55175.00	2.890	2.90	2.890
55200.00	2.890	2.90	2.890

OFFSET PEGS
DIST OFFSET R.L.

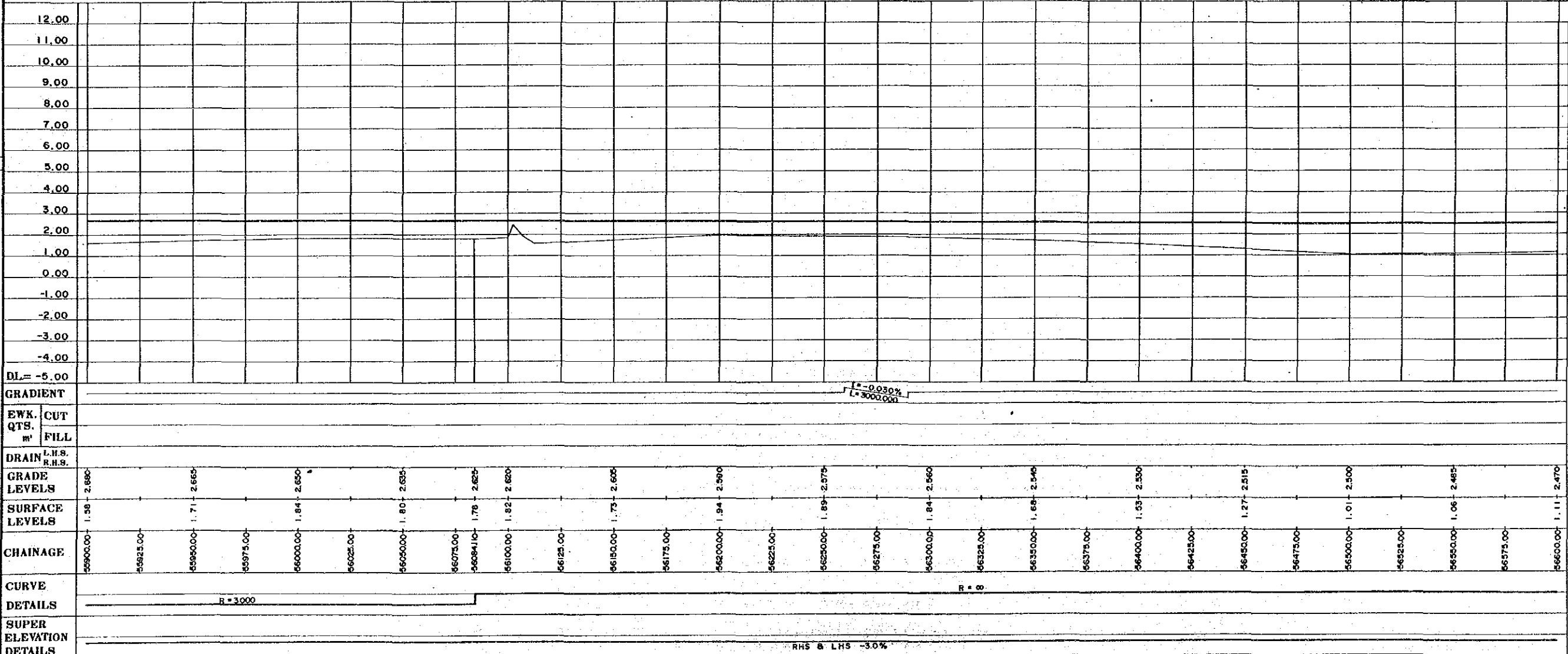
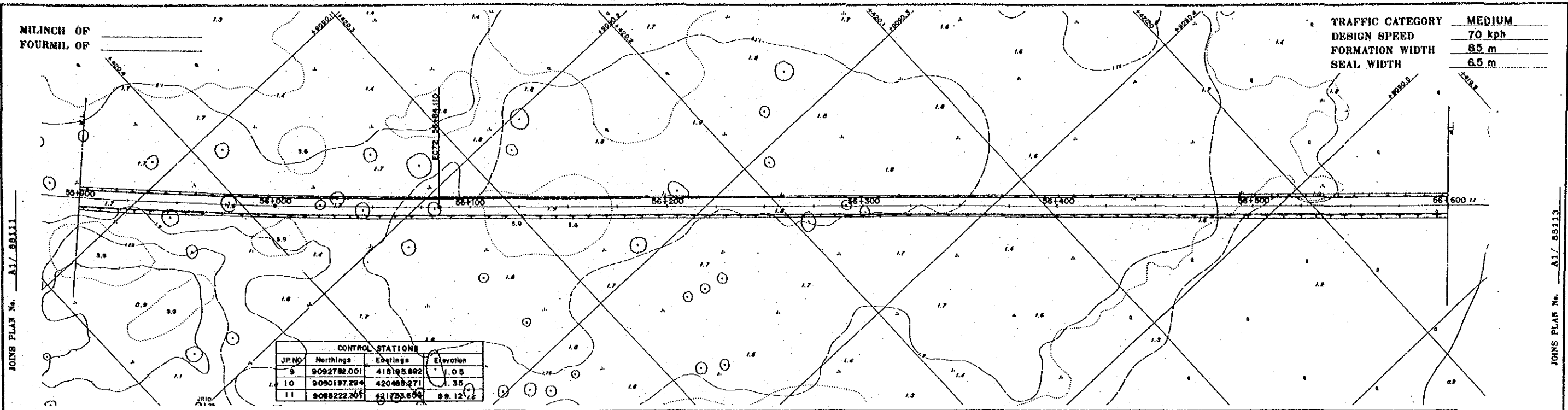
<p>REV AMENDMENTS BY APP'D DATE</p>		<p>SURVEY JICA Date VERTICAL DATUM ORIGIN MEAN SEA LEVEL, TOKEA TIDE G. HORIZONTAL DATUM ORIGIN AZIMUTH DATA A.M.G. AA809</p>	<p>DESIGN JAPAN INTERNATIONAL CO-OPERATION AGENCY Principal Date 25 Sep. 1989</p>	<p>DRAWN K.E. CHECKED DESIGNED CHECKED</p>	<p>RECOMMENDED PROJECT ENGINEER APPROVED PRINCIPAL ENGINEER SECRETARY</p>	<p>SCALES 0 10 20 30 40 50 60 70 80 90 100m HORIZ. SECTION 1:1,000 0 1 2 3 4 5 6 7 8 9 10m VERTICAL SECTION 1:100</p>	<p>CENTRAL / GULF PROVINCES TRANS-ISLAND HIGHWAY (BEREINA-MALALUA SECTION) PLAN & LONGITUDINAL SECTION CH. 54 + 500 — CH. 55 + 200 PAPUA NEW GUINEA DEPARTMENT OF WORKS DRAWING No. A1/ 88110</p>
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MILINCH OF
FOURMIL OF

TRAFFIC CATEGORY MEDIUM
DESIGN SPEED 70 kph
FORMATION WIDTH 8.5 m
SEAL WIDTH 6.5 m

JOINS PLAN No. A1/ 88113

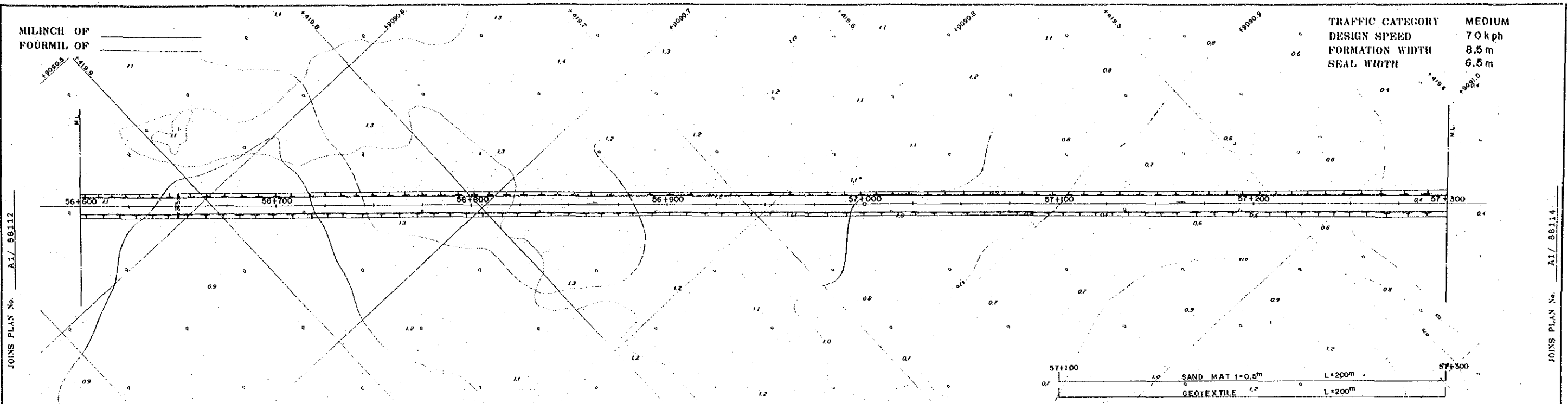
JOINS PLAN No. A1/ 88113



NOTES:
1. Co-ordinates shown are A.M.G. (Australian Mapping Grid)
2. Scale factor of 0.9996 at central meridian 147° East Longitude applies

OFFSET PEGS
DIST OFFSET R.L

REV. AMENDMENTS		BY APP'D DATE		JICA Date: _____ VERTICAL DATUM: MEAN SEA LEVEL (OKEA TIDE G.) ORIGIN: _____ HORIZONTAL DATUM: AZIMUTH DATA A.M.G. A4089 SURVEY BOOK NOS: _____		DESIGN JAPAN INTERNATIONAL CO-OPERATION AGENCY Date: 25 Sep. 1989		DRAWN K.E. PROJECT ENGINEER		RECOMMENDED APPROVED SECRETARY		SCALES 0 10 20 30 40 50 60 70 80 90 100(m) HORIZ SECTION 1:1,000 0 1 2 3 4 5 6 7 8 9 10(m) VERTICAL SECTION 1:100		CENTRAL / GULF PROVINCES TRANS-ISLAND HIGHWAY (BEREINA-MALALAU SECTION) PLAN & LONGITUDINAL SECTION CH. 55 + 900 — CH. 56 + 600 PAPUA NEW GUINEA DEPARTMENT OF WORKS DRAWING No. A1/ 88112	
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MILINCH OF _____
FOURMIL OF _____

TRAFFIC CATEGORY MEDIUM
DESIGN SPEED 70 kph
FORMATION WIDTH 8.5 m
SEAL WIDTH 6.5 m

JOINS PLAN No. A1/ 88112

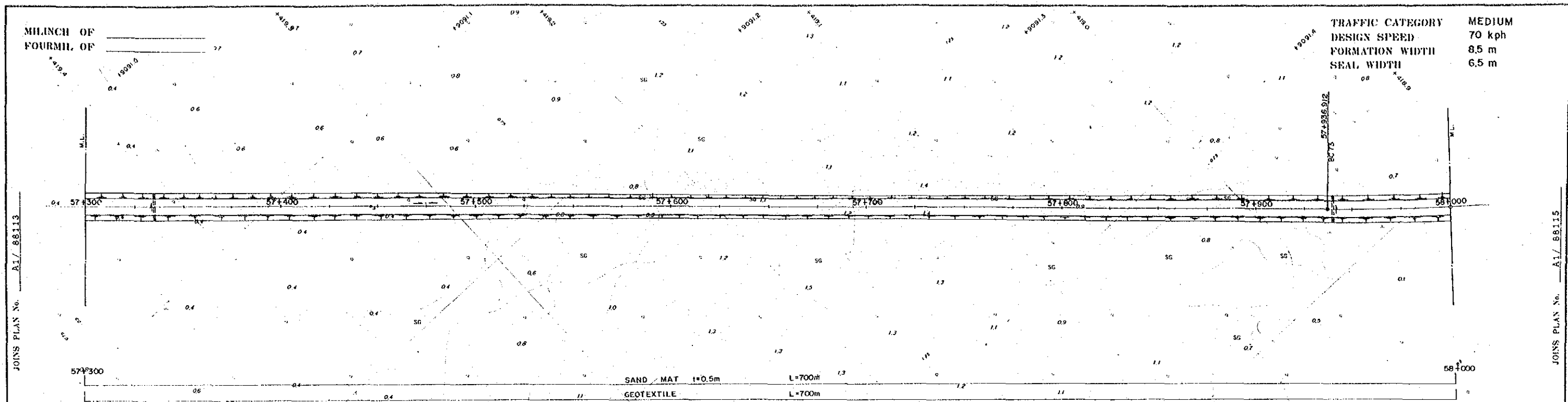
JOINS PLAN No. A1/ 88114

ELEVATION (m)	STATIONING	GRADIENT	EWK. CUT (m)	CUT FILL	DRAIN (L.H.S. / R.H.S.)	GRADE LEVELS	SURFACE LEVELS	CHAINAGE	CURVE DETAILS	SUPER ELEVATION DETAILS
12.00										
11.00										
10.00										
9.00										
8.00										
7.00										
6.00										
5.00										
4.00										
3.00										
2.00										
1.00										
0.00										
-1.00										
-2.00										
-3.00										
-4.00										
DI. = -5.00										

NOTES:
1. Co-ordinates shown are A.M.G. (Australian Mapping Grid)
2. Scale factor of 0.9996 at central meridian 147° East Longitude applies

OFFSET PEGS
DIST OFFSET R.L.

REV	AMENDMENTS	BY	APP'D	DATE	SURVEY JICA Date	DESIGN JAPAN INTERNATIONAL CO-OPERATION AGENCY Pr. 204	DRAWN K. E. CHECKED DESIGNED A. Mizote CHECKED 7. Kamikami	RECOMMENDED PROJECT ENGINEER APPROVED 25.10.89 PRINCIPAL ENGINEER SECRETARY	SCALES HORIZ. SECTION 1:1,000 VERTICAL SECTION 1:100	CENTRAL / GULF PROVINCES TRANS-ISLAND HIGHWAY (BEREINA-MALALAU SECTION) PLAN & LONGITUDINAL SECTION CH. 56 + 600 — CH. 57 + 300		
										PAPUA NEW GUINEA DEPARTMENT OF WORKS	PROJECT No. S.C. 120-33-814/B	DRAWING No. A1/ 88113



TRAFFIC CATEGORY MEDIUM
 DESIGN SPEED 70 kph
 FORMATION WIDTH 8.5 m
 SEAL WIDTH 6.5 m

12.00	C-P(COR)18900X CH 57+350 LR																									C-P(COR)18900X CH 57+940 LR	
11.00																											
10.00																											
9.00																											
8.00																											
7.00																											
6.00																											
5.00																											
4.00																											
3.00																											
2.00																											
1.00																											
0.00																											
-1.00																											
-2.00																											
-3.00																											
-4.00																											
DI = -5.00																											
GRADIENT	I = -0.030% L = 3000.00																									I = 0.089% L = 900.00	

NOTES:
 1. Co-ordinates shown are A.M.G. (Australian Mapping Grid)
 2. Scale factor of 0.9996 at central meridian 147° East Longitude applies

EWK.	CUT																														
QTS.	FILL.																														
m																															
DRAIN	L.I.S.																														
R.I.S.																															
GRADE LEVELS		2.260	2.245	2.230	2.215	2.244	2.288	2.333	2.378	2.422	2.467	2.511	2.556	2.599	2.644																
SURFACE LEVELS		0.38	0.30	0.22	0.44	0.67	0.86	1.05	1.16	1.30	1.42	1.51	1.56	1.58	1.60	1.65															
CHAINAGE		57300.00	57325.00	57350.00	57400.00	57425.00	57450.00	57475.00	57500.00	57525.00	57550.00	57575.00	57600.00	57625.00	57650.00	57675.00	57700.00	57725.00	57750.00	57775.00	57800.00	57825.00	57850.00	57875.00	57900.00	57925.00	57950.00	57975.00	58000.00		
CURVE DETAILS		R = ∞																									R = 1400				
SUPER ELEVATION DETAILS		RHS & LHS = 3.0%																													

OFFSET PEGS

DIST	OFFSET	R.L.

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>	0 10 20 30 40 50 60 70 80 90 100(m)	TRANS-ISLAND HIGHWAY (BEREINA-MALALAU SECTION)		
					VERTICAL DATUM MEAN SEA LEVEL HOKEA TIDE G.		CHECKED <i>[Signature]</i>	PRINCIPAL ENGINEER	HORIZ. SECTION 1:1,000	PLAN & LONGITUDINAL SECTION		
					HORIZONTAL DATUM AZIMUTH DATA A.M.G. AA089		DESIGNED A. M. G. L. S.	APPROVED <i>[Signature]</i>	0 1 2 3 4 5 6 7 8 9 10(m)	CH. 57 + 300 — CH. 58 + 000		
					SURVEY BOOK NOS.	Principal <i>[Signature]</i> 25 Sep. 1989	CHECKED Z. Kamaludin	EXECUTIVE ENGINEER	VERTICAL SECTION 1:100	SHEET 80 OF 303	PROJECT No. S.C. 120-33-814/B	PAPUA NEW GUINEA DEPARTMENT OF WORKS
								SECRETARY			DRAWING No. A1/ 8 8 1 1 4	

MILNCH OF
FOURMIL OF

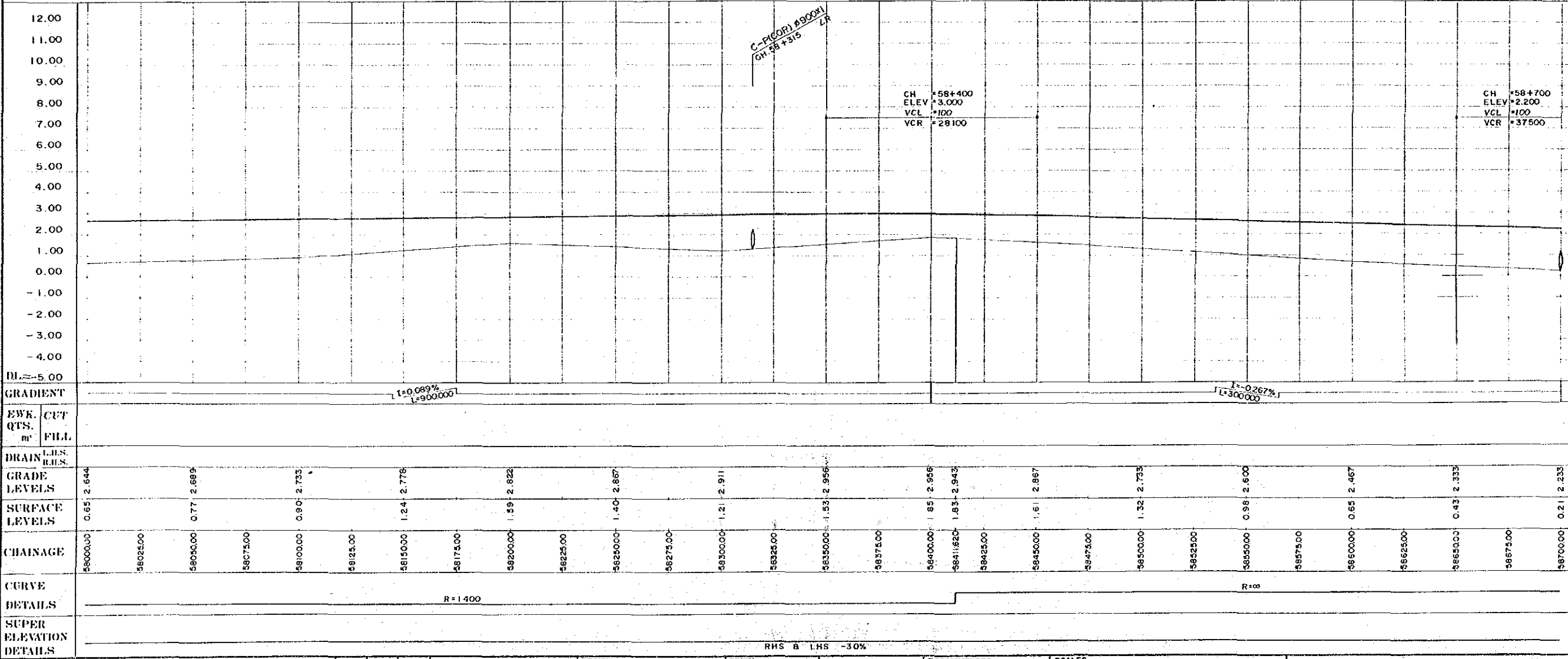
TRAFFIC CATEGORY MEDIUM
DESIGN SPEED 70 kph
FORMATION WIDTH 8.5 m
SEAL WIDTH 6.5 m

CURVE 73
IA = 19° 25' 40"
R = 1400
T = 239.655
Lc = 474.708
BC = 57+936.912
EC = 58+411.620

INTERSECTION POINTS			
IP_NO	Northings	Eastings	Distance
72	9090075.000	420470.000	2287.573
73	9091633.000	418795.000	986.847
74	9092026.600	417890.000	

JOINS PLAN No. A1/ 88114

JOINS PLAN No. A1/ 88116



NOTES:
1. Co-ordinates shown are A.M.G. (Australian Mapping Grid)
2. Scale factor of 0.9996 at central meridian 147° East Longitude applies

OFFSET PEGS		
DIST	OFFSET	R.L.

REV	AMENDMENTS	BY	APP'D	DATE	SURVEY	DESIGN	DRAWN	RECOMMENDED	SCALES	CENTRAL / GULF PROVINCES TRANS-ISLAND HIGHWAY (BEREINA-MALALACA SECTION) PLAN & LONGITUDINAL SECTION CH. 58 + 000 — (H. 58 + 700)	
					JICA VERTICAL DATUM ORIGIN MEAN SEA LEVEL HOKEA TIDE G. HORIZONTAL DATUM ORIGIN AZIMUTH DATA A.M.G. AAD09 SURVEY BOOK NOS	JAPAN INTERNATIONAL CO-OPERATION AGENCY Principal	K.E. CHECKED DESIGNED CHECKED	Principal Engineer APPROVED SECRETARY	HORIZ. SECTION 1:1,000 VERTICAL SECTION 1:100	SHEET 81 of 303 PROJECT No. S.C. 120-33-814/B	PAPUA NEW GUINEA DEPARTMENT OF WORKS DRAWING No. A1/ 88115

MILINCH OF
FOURMIL OF

TRAFFIC CATEGORY MEDIUM
DESIGN SPEED 70 kph
FORMATION WIDTH 8.5 m
SEAL WIDTH 6.5 m

INTERSECTION		POINTS	
IP.NO	Northings	Eastings	Bearing
73	9091633.000	418795.000	293-29-59
74	9092026.500	417890.000	318-53-29
75	9092866.500	417157.000	

CURVE 74
IA = 25°23'30"
R = 1400
T = 315.397
Lc = 620.437
BC = 58+843.415
EC = 59+463.832

SAND BAG RHS & LHS
GEOTEXTILE L=700m
SAND MAT 0.1=1.0m L=700m
GEOTEXTILE L=700m

12.00	C-PICORI #93001 CH 58+700 L/R	C-PICORI #93001 CH 58+750 L/R	C-PICORI #93001 CH 58+800 L/R	C-PICORI #93001 CH 58+850 L/R	C-PICORI #93001 CH 58+900 L/R	C-PICORI #93001 CH 58+950 L/R	C-PICORI #93001 CH 59+0 L/R	C-PICORI #93001 CH 59+50 L/R	C-PICORI #93001 CH 59+100 L/R	C-PICORI #93001 CH 59+150 L/R	C-PICORI #93001 CH 59+200 L/R	C-PICORI #93001 CH 59+250 L/R	C-PICORI #93001 CH 59+300 L/R	C-PICORI #93001 CH 59+350 L/R
11.00														
10.00														
9.00														
8.00	CH +58+700 ELEV +2.200 VCL +100 VCR +37500													
7.00														
6.00														
5.00														
4.00														
3.00														
2.00														
1.00														
0.00														
-1.00														
-2.00														
-3.00														
-4.00														
DI = -5.00														
GRADIENT	I = 0.000% L = 975.000													
EWK. CUT QTS. m' FILL														
DRAIN L.I.S. R.I.S.														
GRADE LEVELS	2.223	2.200	2.200	2.200	2.200	2.200	2.200	2.200	2.200	2.200	2.200	2.200	2.200	2.200
SURFACE LEVELS	0.21	0.15	0.14	0.13	0.13	0.13	0.12	0.11	0.11	0.11	0.20	0.20	0.13	0.13
CHAINAGE	58700.00	58725.00	58750.00	58775.00	58800.00	58825.00	58850.00	58875.00	58900.00	58925.00	58950.00	58975.00	59000.00	59025.00
CURVE DETAILS	R = ∞													
SUPER ELEVATION DETAILS	RHS & LHS - 3.0%													

NOTES:
1. Co-ordinates shown are A.M.G. (Austrian Mapping Grid)
2. Scale factor of 0.9996 at central meridian 147° East Longitude applies

OFFSET PEGS
DIST OFFSET R.L.

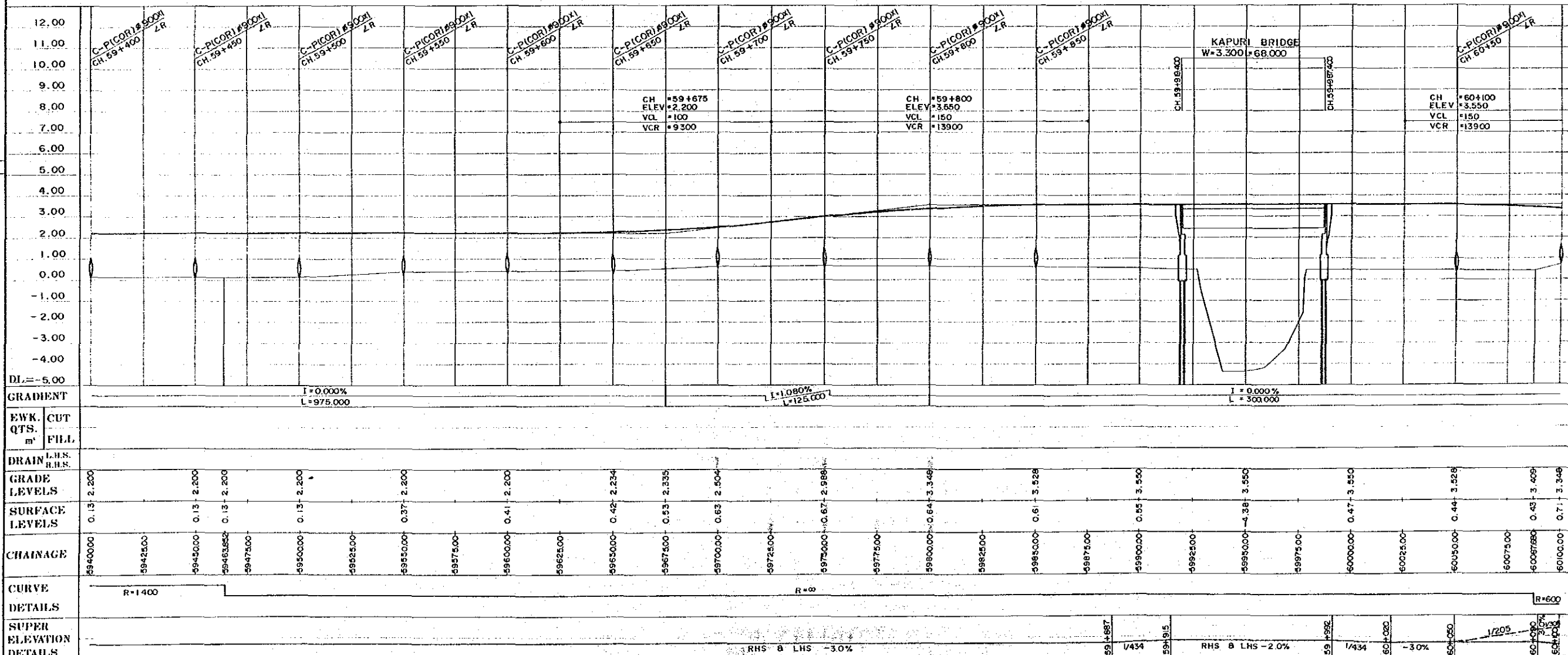
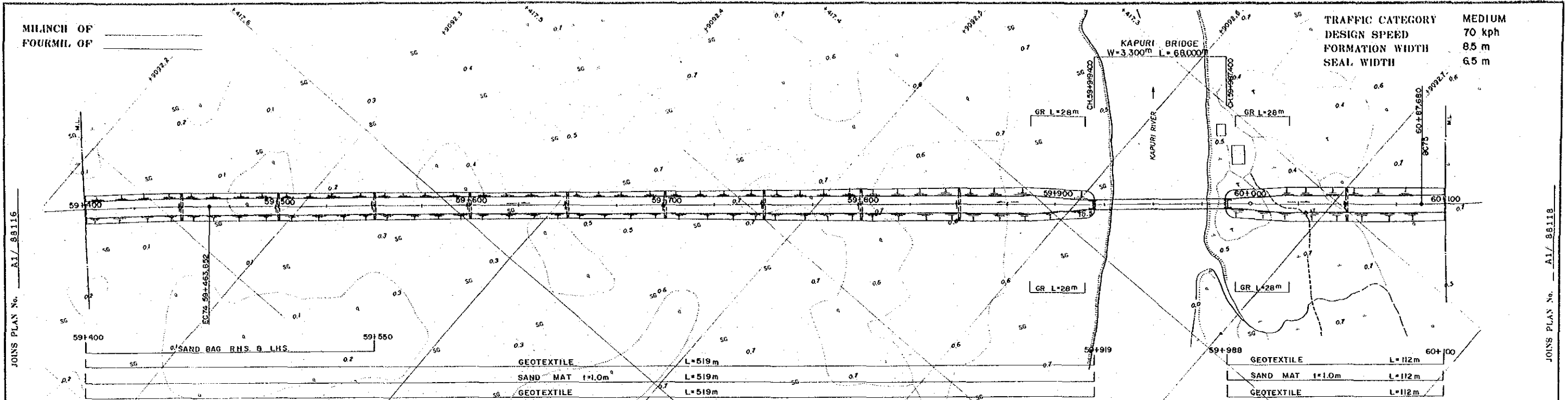
SURVEY JICA Date VERTICAL DATUM ORIGIN MEAN SEA LEVEL, TOKYO TIDE G. HORIZONTAL DATUM ORIGIN AZIMUTH DATA A.M.G. AAD09 SURVEY BOOK NO. 5		DESIGN JAPAN INTERNATIONAL CO-OPERATION AGENCY Date 25 Sep. 1989		DRAWN K.E. CHECKED DESIGNED CHECKED		RECOMMENDED PROJECT ENGINEER APPROVED PRINCIPAL ENGINEER DATE 25.10.89 PAS(1) SECRETARY		SCALES 0 10 20 30 40 50 60 70 80 90 100m HORIZ SECTION 1:1,000 0 1 2 3 4 5 6 7 8 9 10m VERTICAL SECTION 1:100		CENTRAL / GULF PROVINCES TRANS-ISLAND HIGHWAY (BEREINA-MALALUA SECTION) PLAN & LONGITUDINAL SECTION CH. 58 + 700 — CH. 59 + 400 PAPUA NEW GUINEA DEPARTMENT OF WORKS DRAWING No. A1/ 88116			
REV.	AMENDMENTS	BY	APP'D	DATE	SHEET	82 OF 303	PROJECT No.	S.C.120-33-814/13					

1:1
MILINCH OF
FOURMIL. OF

TRAFFIC CATEGORY MEDIUM
DESIGN SPEED 70 kph
FORMATION WIDTH 8.5 m
SEAL WIDTH 6.5 m

JOINS PLAN No. AI/88116

JOINS PLAN No. AI/88118

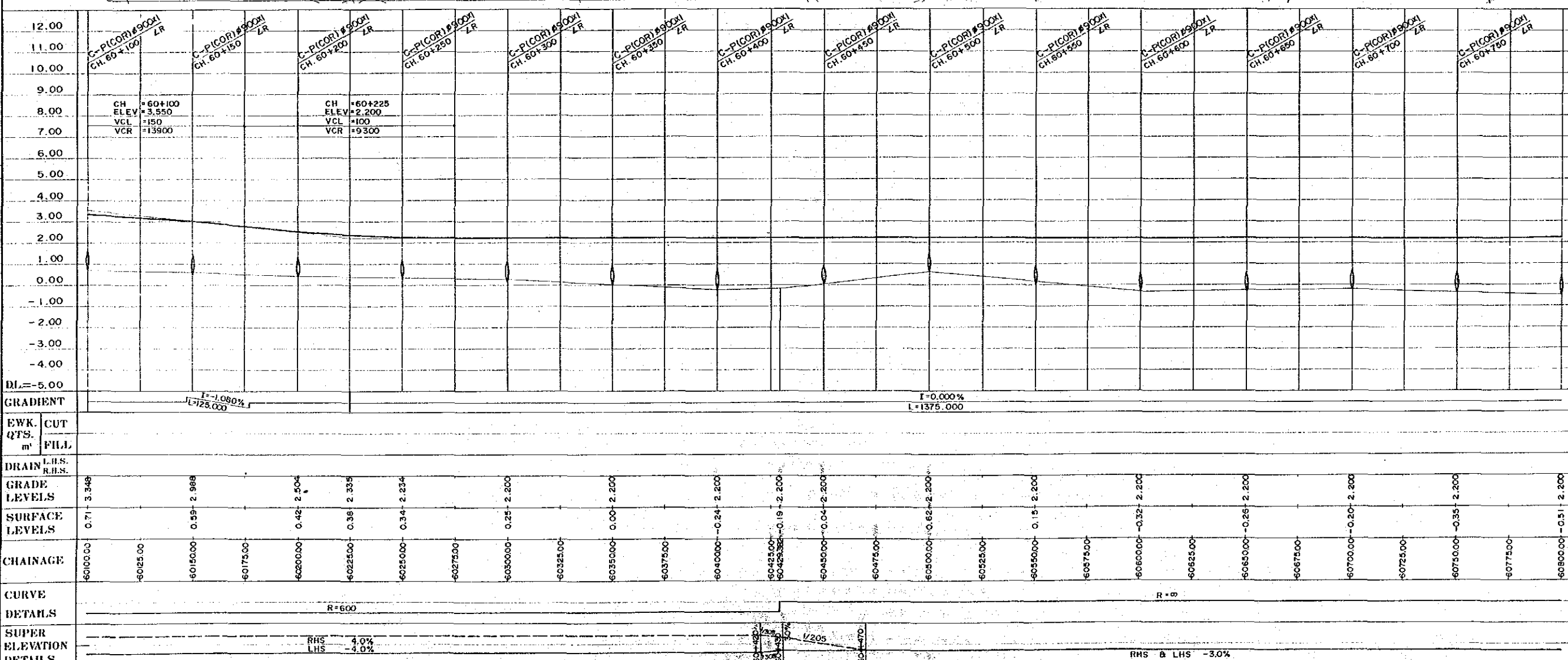
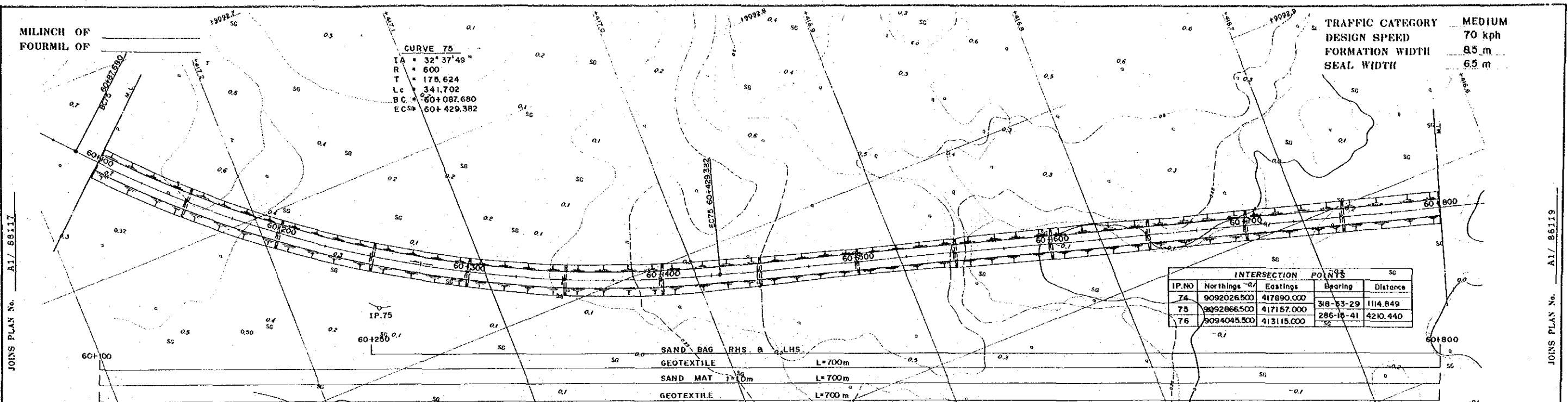


NOTES:
1. Co-ordinates shown are A.M.G. (Australian Mapping Grid)
2. Scale factor of 0.9996 at central meridian 147° East Longitude applies

OFFSET PEGS

DIST	OFFSET	R.L.

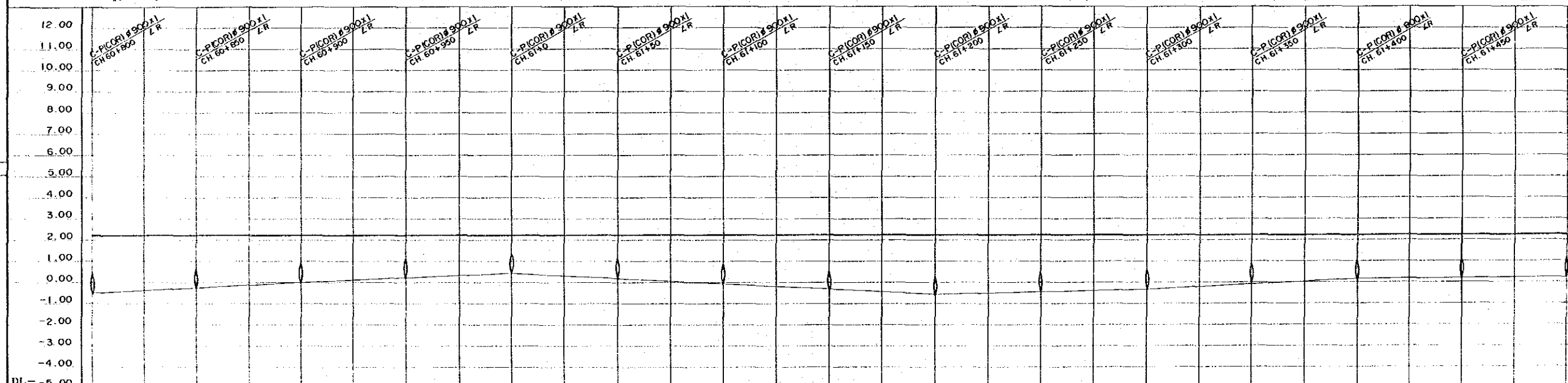
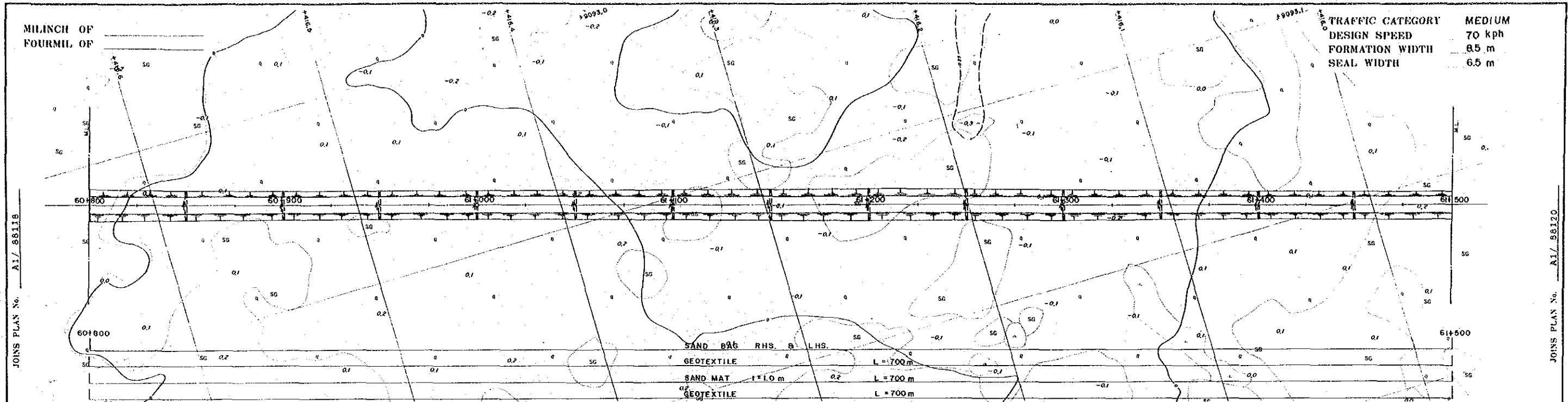
REV	AMENDMENTS	BY	APP'D	DATE	SURVEY JICA Date VERTICAL DATUM ORIGIN MEAN SEA LEVEL (OKEA TIDE G. HORIZONTAL DATUM ORIGIN AZIMUTH DATA A.M.G. AA089 SURVEY BOOK NO.S	DESIGN JAPAN INTERNATIONAL CO-OPERATION AGENCY Date 25 Sep. 1989	DRAWN K.E. CHECKED DESIGNED CHECKED	RECOMMENDED PROJECT ENGINEER APPROVED SECRETARY	SCALES 0 10 20 30 40 50 60 70 80 90 100m HORIZ. SECTION 1:1,000 0 1 2 3 4 5 6 7 8 9 10m VERTICAL SECTION 1:100	CENTRAL / GULF PROVINCES TRANS-ISLAND HIGHWAY (BEREINA-MALALUA SECTION) PLAN & LONGITUDINAL SECTION CH. 59 + 400 — CH. 60 + 100 PAPUA NEW GUINEA DEPARTMENT OF WORKS	PROJECT No. S.C. 120-33-814/B SHEET 83 OF 303	DRAWING No. AI/ 88 1 1 7



NOTES:
 1. Co-ordinates shown are A.M.G. (Australian Mapping Grid)
 2. Scale factor of 0.9996 at central meridian 147° East Longitude applies

OFFSET PEGS
 DIST OFFSET R.I.

REV. AMENDMENTS BY APP'D DATE		SURVEY JICA Date VERTICAL DATUM ORIGIN MEAN SEA LEVEL TOKAI TIDE G. HORIZONTAL DATUM ORIGIN AZIMUTH DATA A.M.G. A.A009 SURVEY BOOK N°S		DESIGN JAPAN INTERNATIONAL CO-OPERATION AGENCY Date 25 Sep. 1989		DRAWN K.E. CHECKED DESIGNED CHECKED		RECOMMENDED PROJECT ENGINEER APPROVED SECRETARY		SCALES 0 10 20 30 40 50 60 70 80 90 100m HORIZ SECTION 1:1,000 0 1 2 3 4 5 6 7 8 9 10m VERTICAL SECTION 1:100		CENTRAL / GULF PROVINCES TRANS-ISLAND HIGHWAY (BEREINA-MALALAU SECTION) PLAN & LONGITUDINAL SECTION CH. 60+100 — CH.60+800 PAPUA NEW GUINEA DEPARTMENT OF WORKS DRAWING No. A1/ 88118	
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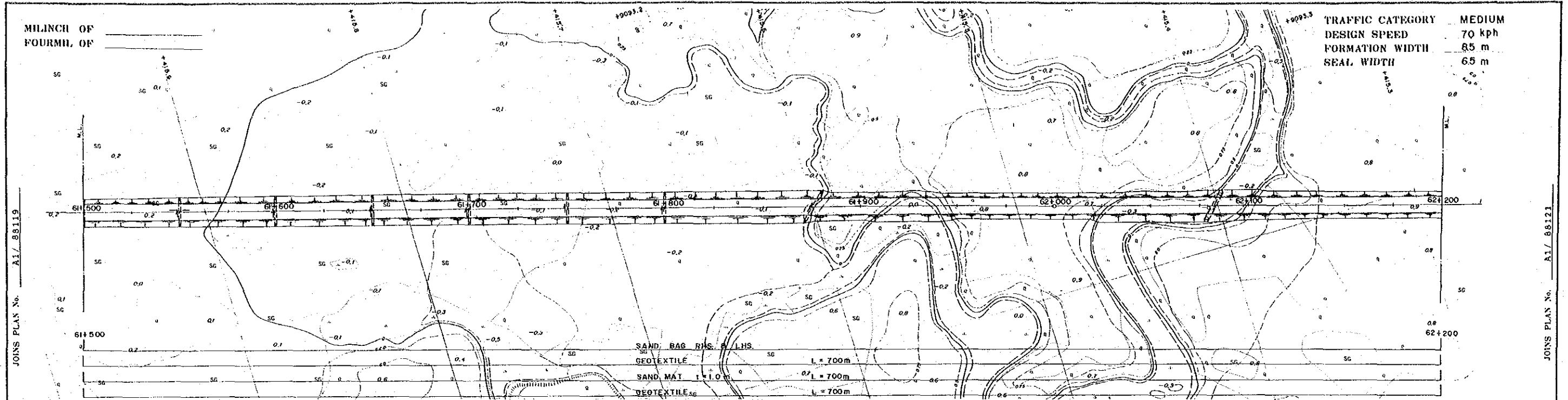


DI = -5.00																													
GRADIENT	I = 0.000% L = 1378.000																												
E.W.K. CUT Q.T.S. m ³ FILL																													
DRAIN L.H.S. R.H.S.																													
GRADE LEVELS	2.200	2.200	2.200	2.200	2.200	2.200	2.200	2.200	2.200	2.200	2.200	2.200	2.200	2.200	2.200														
SURFACE LEVELS	-0.51	-0.26	0.00	0.21	0.43	0.16	-0.11	-0.34	-0.57	-0.46	-0.34	-0.10	0.14	0.18	0.22														
CHAINAGE	60800.00	60825.00	60850.00	60875.00	60900.00	60925.00	60950.00	60975.00	61000.00	61025.00	61050.00	61075.00	61100.00	61125.00	61150.00	61175.00	61200.00	61225.00	61250.00	61275.00	61300.00	61325.00	61350.00	61375.00	61400.00	61425.00	61450.00	61475.00	61500.00
CURVE DETAILS	R = ∞																												
SUPER ELEVATION DETAILS	RHS & LHS -3.0%																												

NOTES:
 1. Co-ordinates shown are A.M.G. (Australian Mapping Grid)
 2. Scale factor of 0.9996 at central meridian 147° East Longitude applies

OFFSET PEGS		
DIST	OFFSET	R.L.

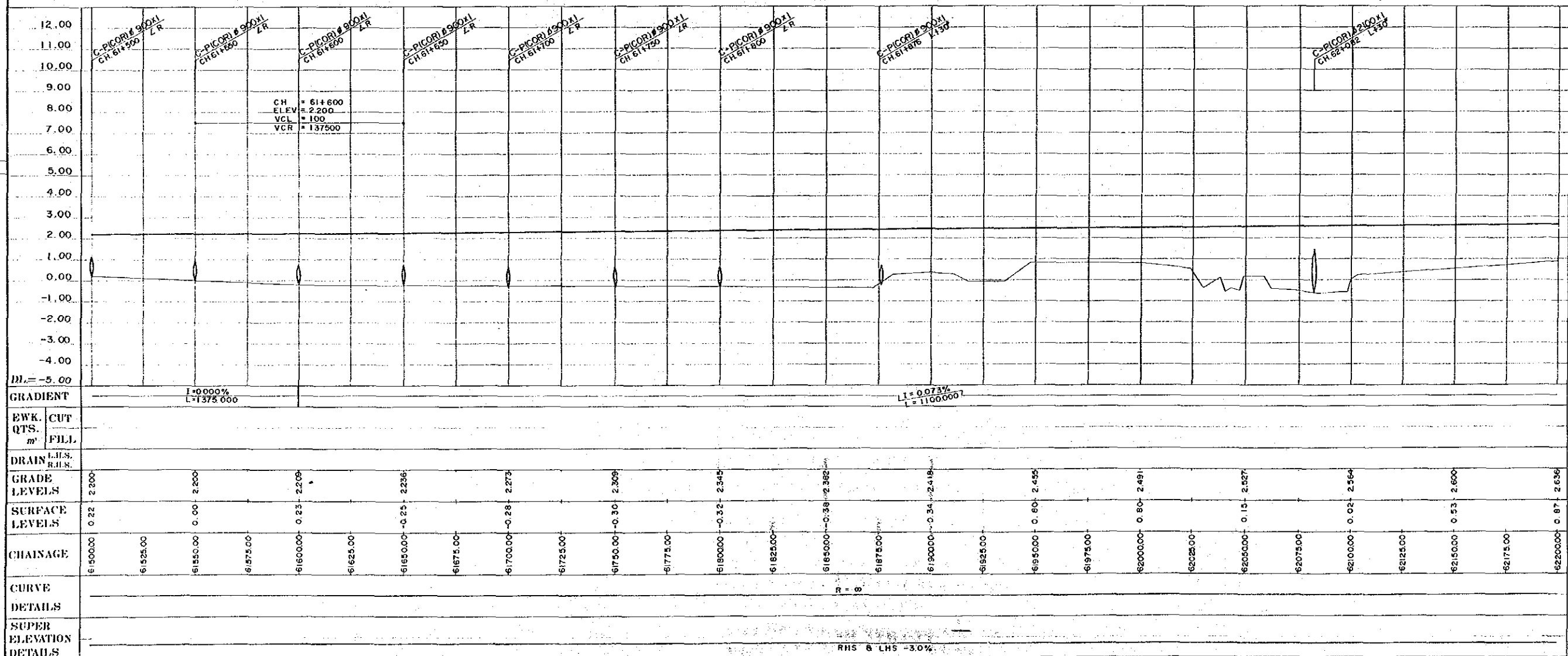
SURVEY JICA Date: _____ VERTICAL DATUM: DHHN MEAN SEA LEVEL: TOKAI TIDE G. HORIZONTAL DATUM: CHIGN AZIMUTH DATA: A.M.G. A.809 SURVEY BOOK NRS: _____		DESIGN JAPAN INTERNATIONAL CO-OPERATION AGENCY Date: 25 Sep. 1988 Principal: _____		DRAWN K.E. PROJECT ENGINEER Checked: _____ DESIGNED A. Magala CHECKED K. Kawakami		RECOMMENDED A. Magala PRINCIPAL ENGINEER APPROVED J. S. S. EXECUTIVE ENGINEER		SCALES 0 10 20 30 40 50 60 70 80 90 100m HORIZ. SECTION 1:1,000 0 1 2 3 4 5 6 7 8 9 10m VERTICAL SECTION 1:100		CENTRAL / GULF PROVINCES TRANS-ISLAND HIGHWAY (BEREINA-MALALAU SECTION) PLAN & LONGITUDINAL SECTION CH. 60 + 800 — CH. 61 + 500 PAPUA NEW GUINEA DEPARTMENT OF WORKS DRAWING No. A1/ 88119				
REV	AMENDMENTS	BY	APP'D	DATE	Principal	Date	Principal	SECRETARY	SHEET	85 OF 303	PROJECT No.	S.C. 120-33-814/B	DRAWING No.	A1/ 88119



TRAFFIC CATEGORY MEDIUM
 DESIGN SPEED 70 kph
 FORMATION WIDTH 8.5 m
 SEAL WIDTH 6.5 m

JOINS PLAN No. A1/88119

JOINS PLAN No. A1/88121



NOTES:
 1. Co-ordinates shown are A.M.G. (Australian Mapping Grid)
 2. Scale factor of 0.9996 at central meridian 147° East Longitude applies

OFFSET PEGS

DIST	OFFSET	R.L.

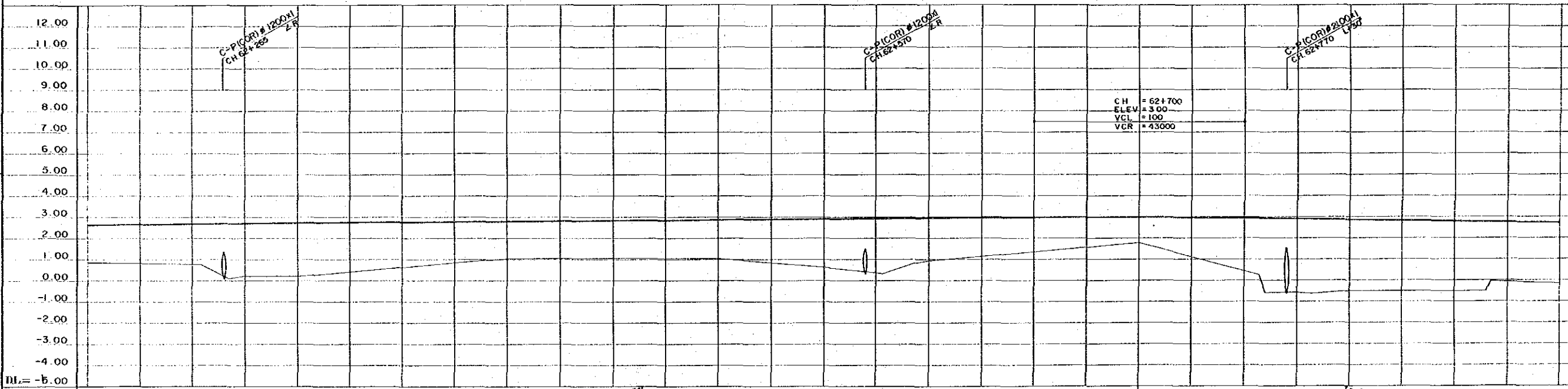
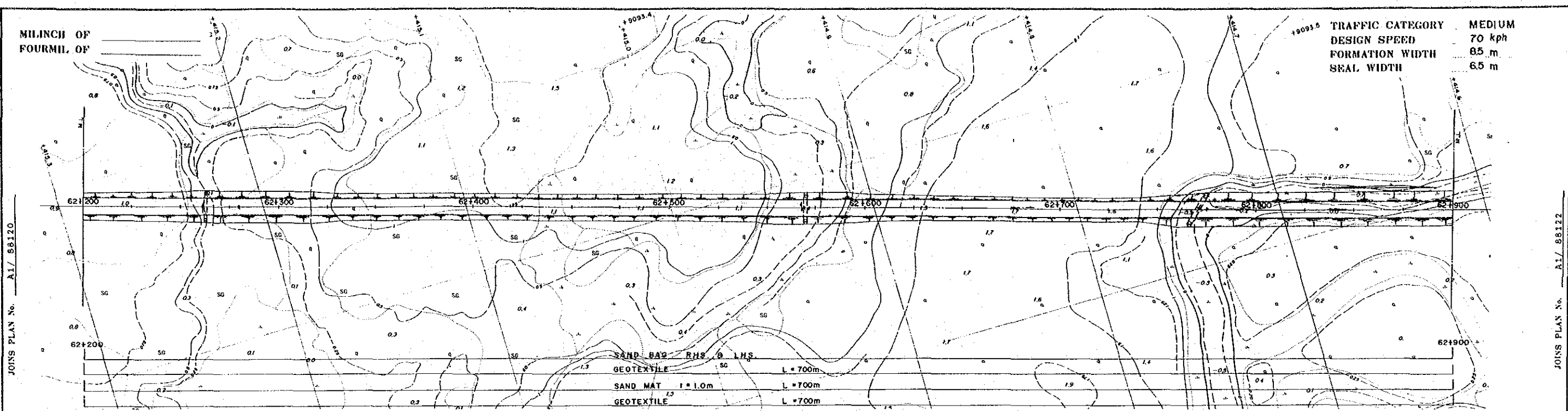
REV. AMENDMENTS BY APP'D DATE			SURVEY JICA Date: Date: VERTICAL DATUM ORIGIN MEAN SEA LEVEL TOKA TIDE G. HORIZONTAL DATUM ORIGIN AZIMUTH DATA A.M.G. A4609 SURVEY BOOK NOS		DESIGN JAPAN INTERNATIONAL CO-OPERATION AGENCY Date: 25 Sep. 1989 Principal		DRAWN K.E. CHECKED DESIGNED A. Magala CHECKED EXECUTIVE ENGINEER		RECOMMENDED PROJECT ENGINEER APPROVED SECRETARY		SCALES 0 10 20 30 40 50 60 70 80 90 100(m) HORIZ. SECTION 1:1,000 0 1 2 3 4 5 6 7 8 9 10(m) VERTICAL SECTION 1:100 SHEET 86 OF 303 PROJECT No. S.C.120-33-814/B3		CENTRAL / GULF PROVINCES TRANS-ISLAND HIGHWAY (BEREINA-MALALUA SECTION) PLAN & LONGITUDINAL SECTION CH. 61 + 500 — CH. 62 + 200 PAPUA NEW GUINEA DEPARTMENT OF WORKS DRAWING No. A1/88120	
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MILINCH OF
FOURMIL. OF

TRAFFIC CATEGORY MEDIUM
DESIGN SPEED 70 kph
FORMATION WIDTH 8.5 m
SEAL WIDTH 6.5 m

JOINS PLAN No. A1/ 88120

JOINS PLAN No. A1/ 88122



NOTES:
1. Co-ordinates shown are A.M.G. (Australian Mapping Grid)
2. Scale factor of 0.9996 at central meridian 147° East Longitude applies

CH	621200	621250	621300	621350	621400	621450	621500	621550	621600	621650	621700	621750	621800	621850	621900
GRADIENT															
EWK. CUT															
QTS. m' F.H.L.															
DRAIN L.H.S. R.H.S.															
GRADE LEVELS	2.636		2.673		2.709		2.745		2.782		2.818		2.855		2.891
SURFACE LEVELS	0.87		0.76		0.18		0.61		1.03		1.03		1.02		0.92
CHAINAGE	621200	621250	621300	621350	621400	621450	621500	621550	621600	621650	621700	621750	621800	621850	621900
CURVE DETAILS	RHS & LHS -3.0%														
SUPER ELEVATION DETAILS															

OFFSET PEGS
DIST OFFSET R.L.

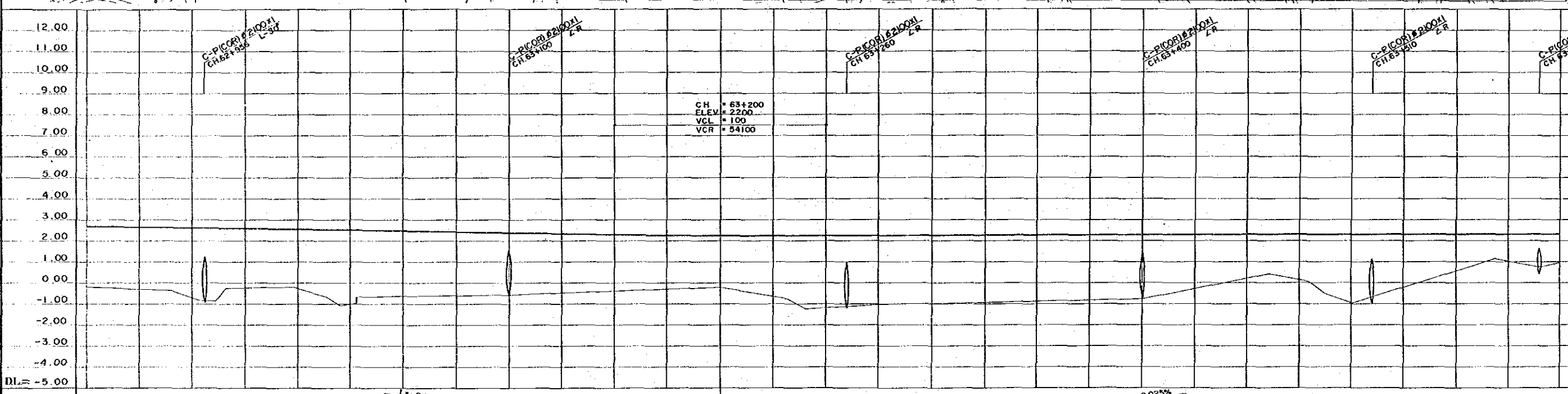
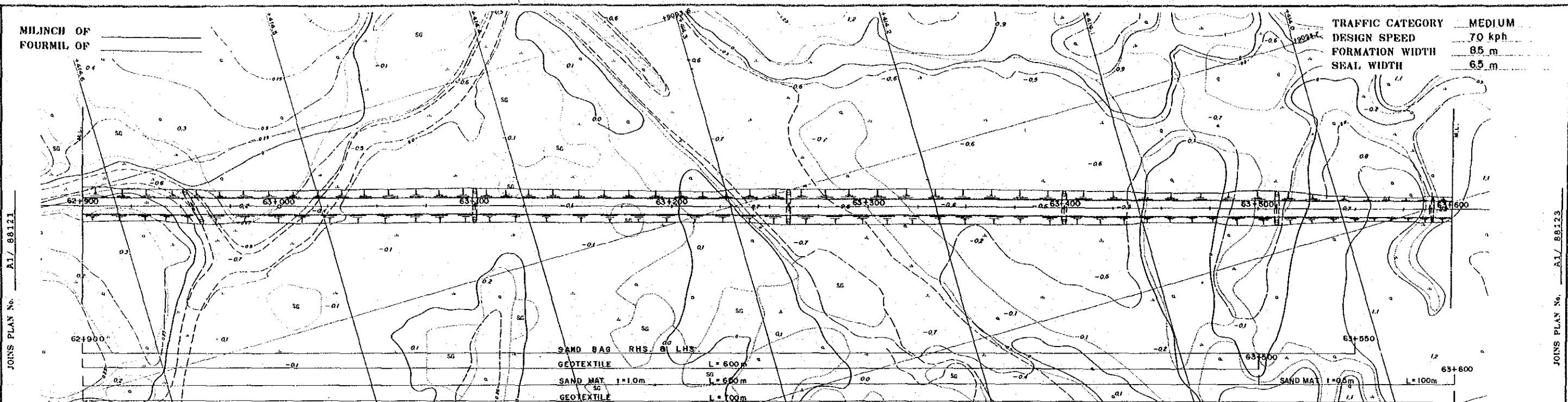
<p>REV AMENDMENTS</p>		<p>BY</p>	<p>APP'D</p>	<p>DATE</p>	<p>SURVEY JICA Date VERTICAL DATUM ORIGIN MEAN SEA LEVEL TOKYO TIDE G. HORIZONTAL DATUM ORIGIN AZIMUTH DATA A.M.G. A4009 SURVEY BOOK NRS</p>	<p>DESIGN JAPAN INTERNATIONAL CO-OPERATION AGENCY Date Principal</p>	<p>DRAWN K.E. Checked Designed Checked</p>	<p>RECOMMENDED Principal Engineer Approved Executive Engineer</p>	<p>SCALES 0 10 20 30 40 50 60 70 80 90 100(m) HORIZ SECTION 1:1000 0 1 2 3 4 5 6 7 8 9 10(m) VERTICAL SECTION 1:100</p>	<p>CENTRAL / GULF PROVINCES TRANS-ISLAND HIGHWAY (BEREINA-MALALAUVA SECTION) PLAN & LONGITUDINAL SECTION CH. 62 + 200 — CH.62 + 900</p>	<p>PAPUA NEW GUINEA DEPARTMENT OF WORKS</p>	<p>DRAWING No. A1/ 88121</p>
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MILINCH OF
FOURLINCH OF

TRAFFIC CATEGORY MEDIUM
DESIGN SPEED 70 kph
FORMATION WIDTH 8.5 m
SEAL WIDTH 6.5 m

JOINS PLAY No. A1/ 88121

JOINS PLAY No. A1/ 88123

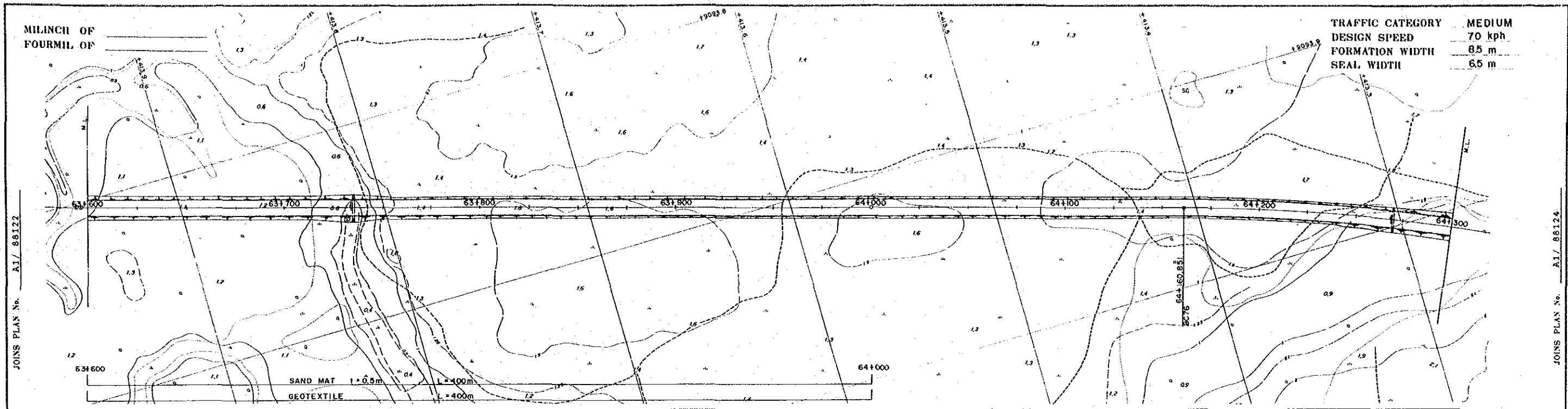


NOTES:
1. Co-ordinates shown are A.M.G. (Australian Mapping Grid)
2. Scale factor of 0.9996 at central meridian 147° East Longitude applies

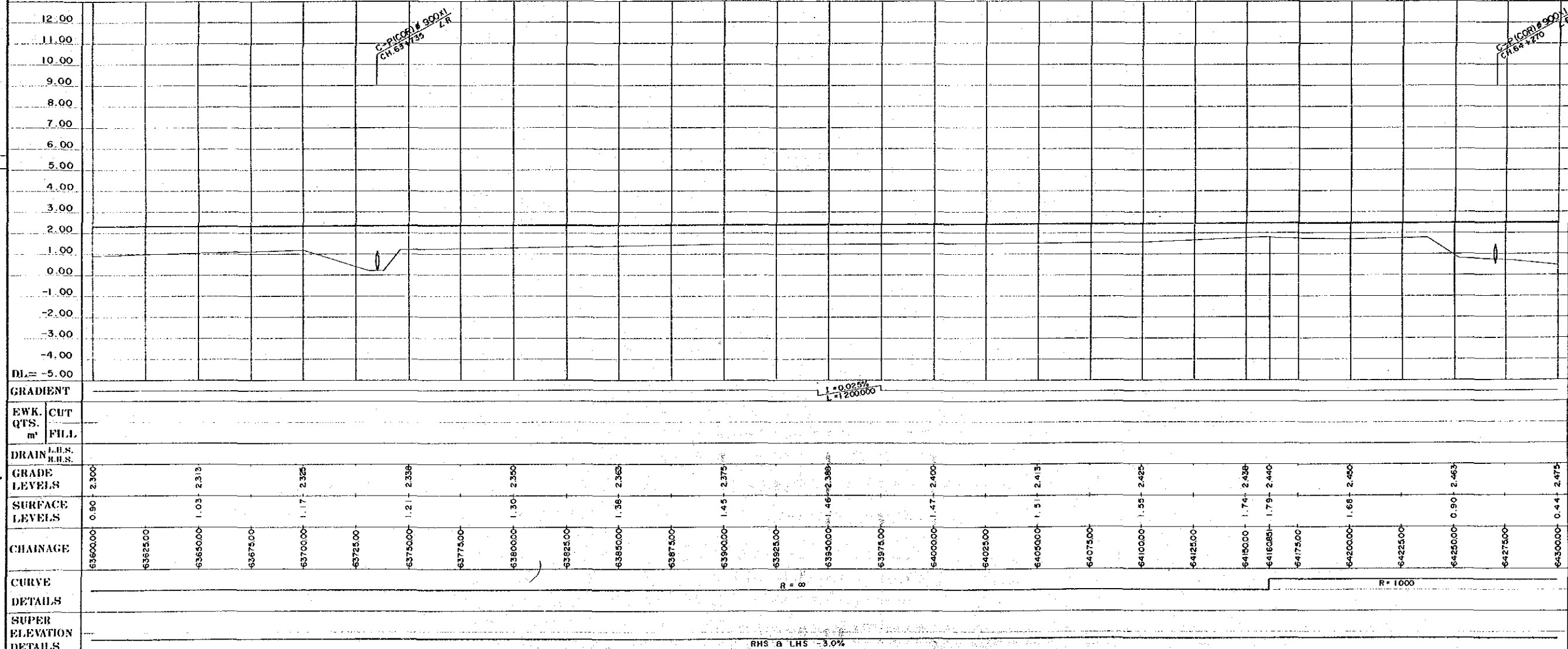
CH	62+900	62+950	63+000	63+050	63+100	63+150	63+200	63+250	63+300	63+350	63+400	63+450	63+500	63+550	63+600
GRADE LEVELS	2.680	2.600	2.520	2.440	2.360	2.280	2.223	2.213	2.225	2.255	2.250	2.263	2.275	2.286	2.300
SURFACE LEVELS	0.19	-0.72	-0.28	0.64	-0.58	-0.40	-0.22	-0.20	-1.00	-0.89	-0.78	-0.19	-1.01	0.52	0.90
CHAINAGE	62900.00	62950.00	63000.00	63050.00	63100.00	63150.00	63200.00	63250.00	63300.00	63350.00	63400.00	63450.00	63500.00	63550.00	63600.00
GRADIENT	$L = -0.160\%$ $L = +0.025\%$														
DRAIN	L.H.S. R.H.S.														
EWK. CUT	m' FILL														
CURVE DETAILS	R = 6														
SUPER ELEVATION DETAILS	RHS & LHS -3.0%														

OFFSET PEGS
DIST OFFSET R.L.

REV	AMENDMENTS	BY	APP'D	DATE	SURVEY JICA Date VERTICAL DATUM ORIGIN MEAN SEA LEVEL, IOKEA TIDE G. HORIZONTAL DATUM ORIGIN AZIMUTH DATA A.M.G. A80G9 SURVEY BOOK N9.8	DESIGN JAPAN INTERNATIONAL CO-OPERATION AGENCY Date 25 Sep. 1989	DRAWN K.E. CHECKED DESIGNED CHECKED	RECOMMENDED Principal Engineer APPROVED Executive Engineer	SCALES 0 10 20 30 40 50 60 70 80 90 100(m) HORIZ SECTION 1:1,000 0 1 2 3 4 5 6 7 8 9 10(m) VERTICAL SECTION 1:100	PROJECT No. S.C. 120-33-814/B	CENTRAL / GULF PROVINCES TRANS-ISLAND HIGHWAY (BEREINA-MALALAGA SECTION) PLAN & LONGITUDINAL SECTION CH. 62+900 — CH. 63+600	PAPUA NEW GUINEA DEPARTMENT OF WORKS	DRAWING No. A1/ 88122
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TRAFFIC CATEGORY MEDIUM
 DESIGN SPEED 70 kph
 FORMATION WIDTH 8.5 m
 SEAL WIDTH 6.5 m



NOTES:
 1. Co-ordinates shown are A.M.G. (Australian Mapping Grid)
 2. Scale factor of 0.9996 at central meridian 147° East Longitude applies

OFFSET PEGS
 DIST OFFSET R.L.

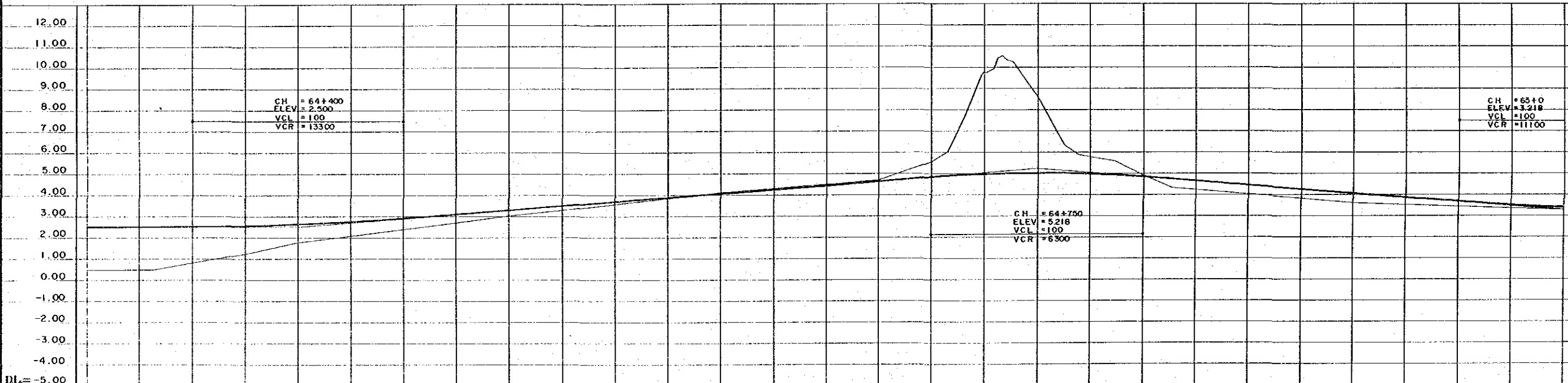
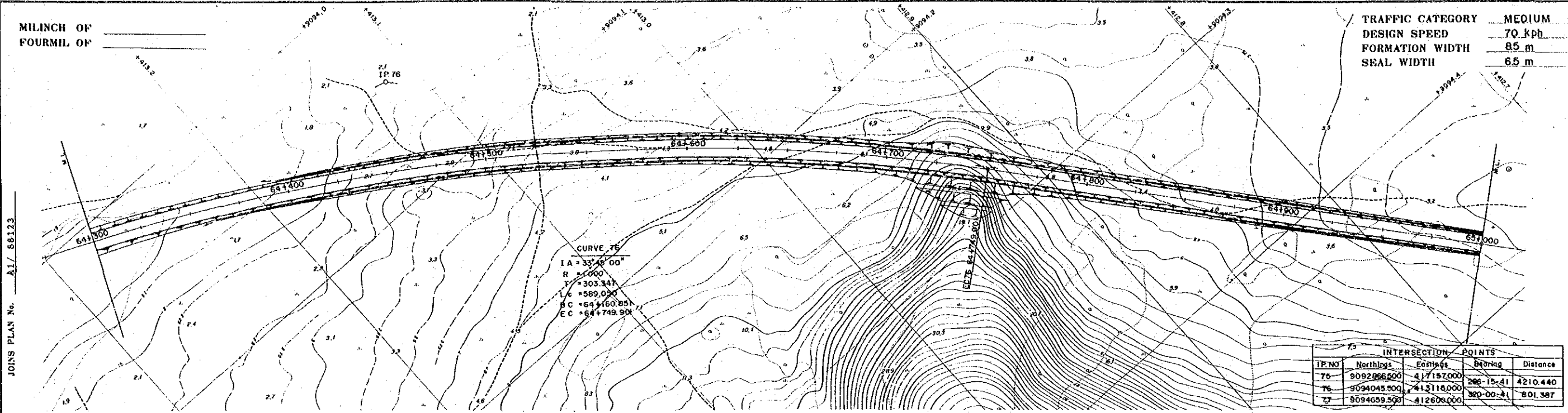
REV. AMENDMENTS		BY	APP'D	DATE	SURVEY JICA Date		DESIGN JAPAN INTERNATIONAL CO-OPERATION AGENCY		DRAWN K.E.		RECOMMENDED Principal Engineer		SCALES 0 10 20 30 40 50 60 70 80 90 100(m) HORIZ SECTION 1:1,000 VERTICAL SECTION 1:100		CENTRAL / GULF PROVINCES TRANS-ISLAND HIGHWAY (BEREINA-MALALAU SECTION) PLAN & LONGITUDINAL SECTION CH. 63 + 600 — CH. 64 + 300	
					VERTICAL DATUM ORIGIN MEAN-SEA LEVEL (ORIPA TIDE G.)		HORIZONTAL DATUM ORIGIN AZIMUTH DATA A.M.G. AA009		CHECKED A. Maguho		APPROVED 25. 10. 89		PROJECT No. S.C. 120-33-814/B		PAPUA NEW GUINEA DEPARTMENT OF WORKS	
					SURVEY BOOK No. 5		Date 25 Sep. 1989		EXECUTIVE ENGINEER		SECRETARY		SHEET 89 OF 303		DRAWING No. A1/ 8 8 1 2 3	

MILINCH OF _____
FOURMIL OF _____

TRAFFIC CATEGORY MEDIUM
DESIGN SPEED 70 kph
FORMATION WIDTH 85 m
SEAL WIDTH 65 m

JOINS PLAN No. A1/ 88123

JOINS PLAN No. A1/ 88125



NOTES:
1. Co-ordinates shown are A.M.G. (Australian Mapping Grid)
2. Scale factor of 0.9996 at central meridian 147° East Longitude applies

OFFSET PEGS
DIST OFFSET R.L.

CHAINAGE	GRADE LEVELS	SURFACE LEVELS	DRAIN	EWK. CUT QTS. (m³)	FILL	GRADIENT
64300.00	2.475	0.44				1: -0.025% L=1200.000
64325.00						
64350.00	2.488	0.79				
64375.00						
64400.00	2.554	1.76				
64425.00						
64450.00	2.888	2.38				
64475.00						
64500.00	3.277	3.01				
64525.00						
64550.00	3.665	3.55				
64575.00						
64600.00	4.053	4.10				
64625.00						
64650.00	4.441	4.49				
64675.00						
64700.00	4.830	5.32				
64725.00						
64750.00	5.021	5.64				
64775.00						
64800.00	4.818	4.87				
64825.00						
64850.00	4.418	4.00				
64875.00						
64900.00	4.018	3.58				
64925.00						
64950.00	3.618	3.40				
64975.00						
650000.00	3.331	3.23				

REV.	AMENDMENTS	BY	APP'D	DATE	SURVEY JICA Date	DESIGN JAPAN INTERNATIONAL CO-OPERATION AGENCY Date	DRAWN K.E. CHECKED DESIGNED CHECKED	RECOMMENDED PRINCIPAL ENGINEER APPROVED EXECUTIVE ENGINEER	SCALES HORIZONTAL SECTION 1:1,000 VERTICAL SECTION 1:100	CENTRAL / GULF PROVINCES TRANS-ISLAND HIGHWAY (BEREINA-MALALAU SECTION) PLAN & LONGITUDINAL SECTION CH. 64 + 300 — CH. 65 + 000		
					VERTICAL DATUM ORIGIN MEAN SEA LEVEL (OKEA TIDE G.) HORIZONTAL DATUM ORIGIN AZIMUTH DATA A.M.G. AA009 SURVEY BOOK NO.8	Date 25 Sep. 1989 Principal				SHEET 90 OF 303 PROJECT No. S.C. 120-33-814/R	PAPUA NEW GUINEA DEPARTMENT OF WORKS DRAWING No. A1/ 88124	