


DRAWINGS on Feasibility Study for Harbor and
Road Construction Connecting with the Rennell
Alumina Project The Solomon Islands

March 1976

Japan International Cooperation Agency

L207
66.5
MP

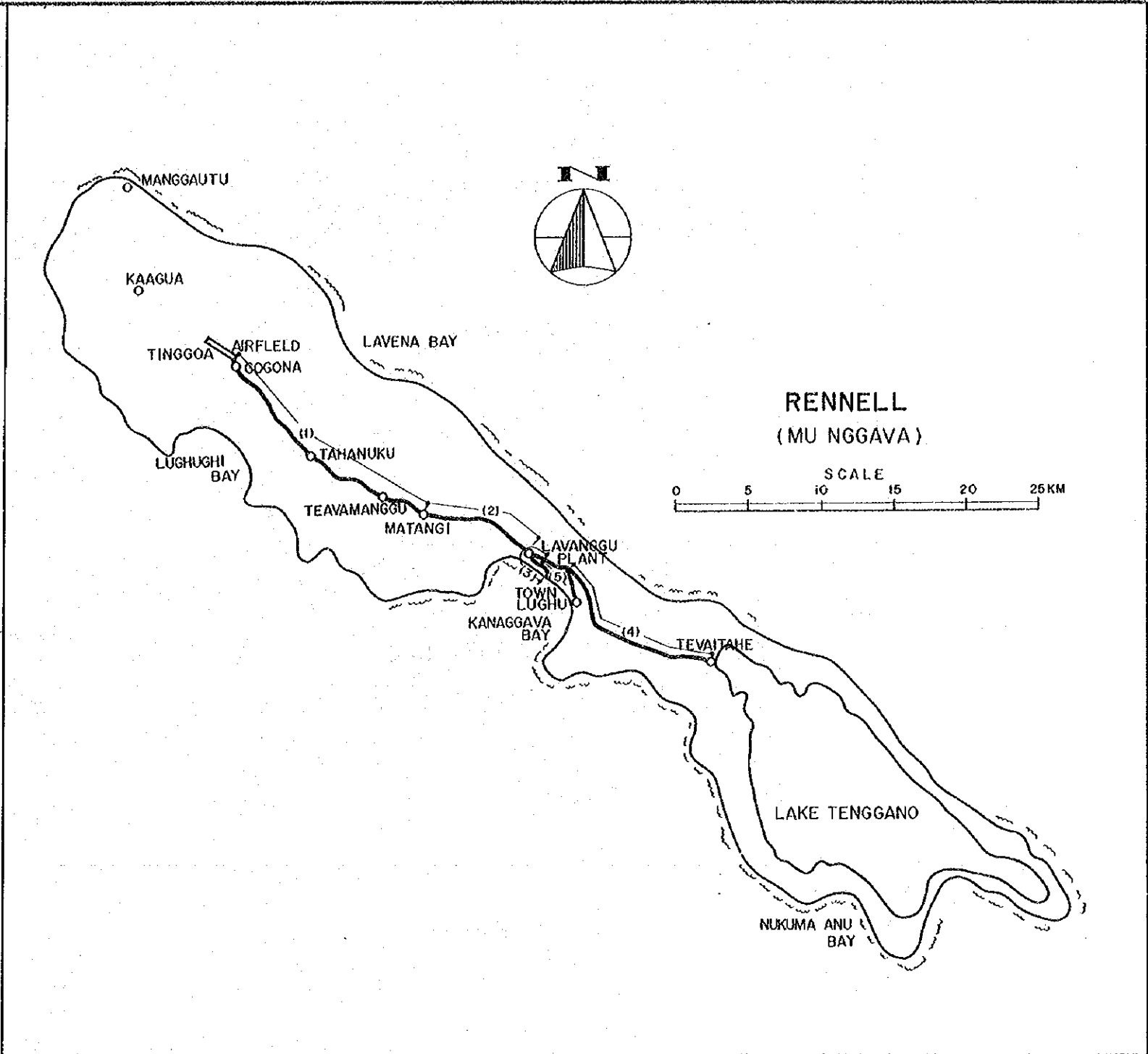
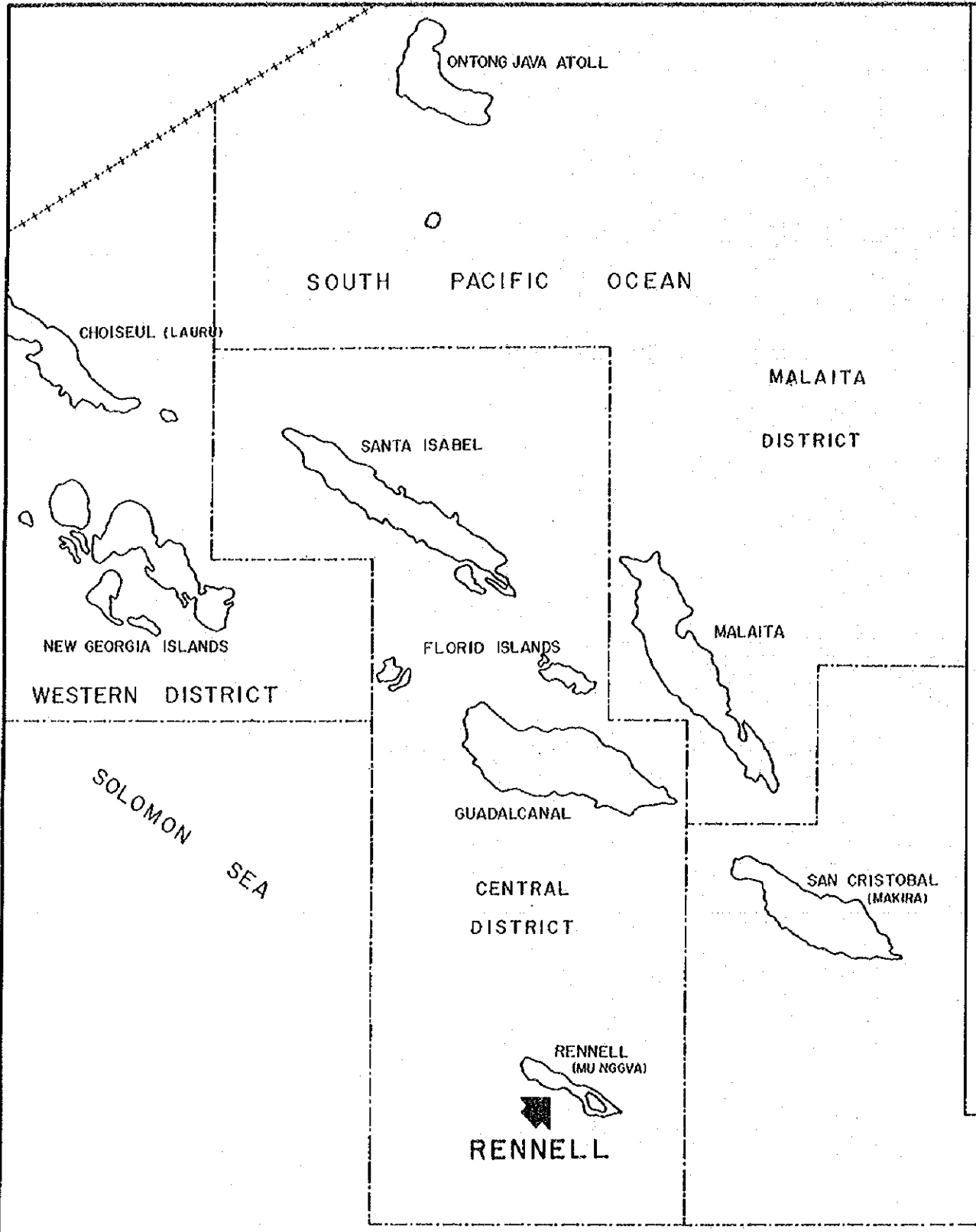
DRAWINGS on Feasibility Study for Harbor and
Road Construction Connecting with the Rennell
Alumina Project The Solomon Islands

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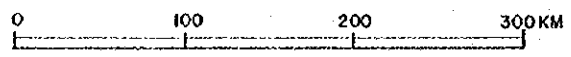
march 1976

Japan International Cooperation Agency

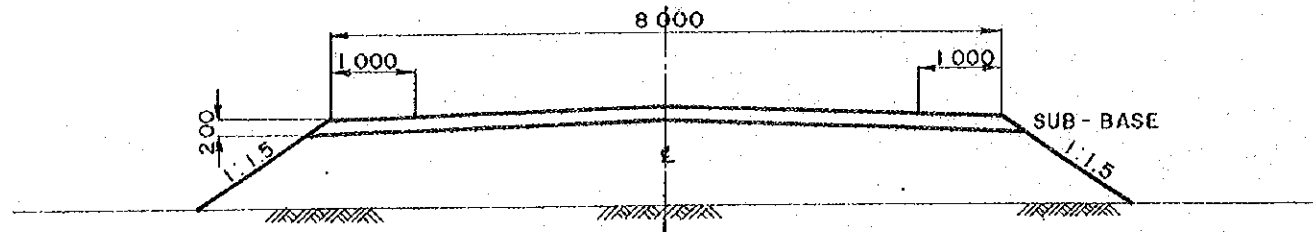
国際協力事業団	
受入 月日	'84. 3. 28
	L207
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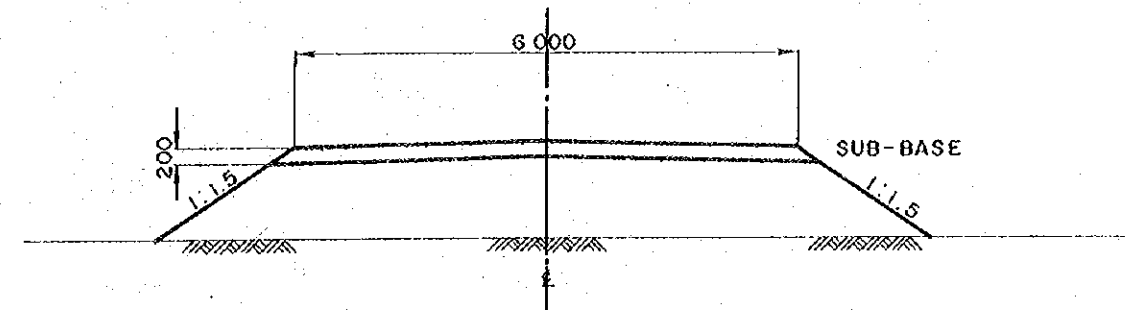
BRITISH SOLOMON ISLANDS



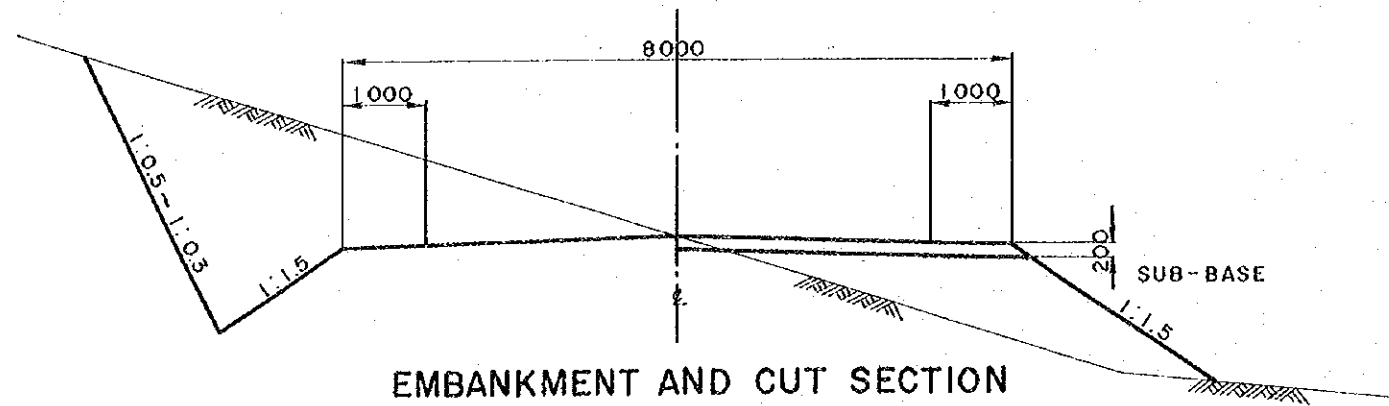
LOCATION MAP	
SHEET NO. 1 in 31	
DATE	- 1976



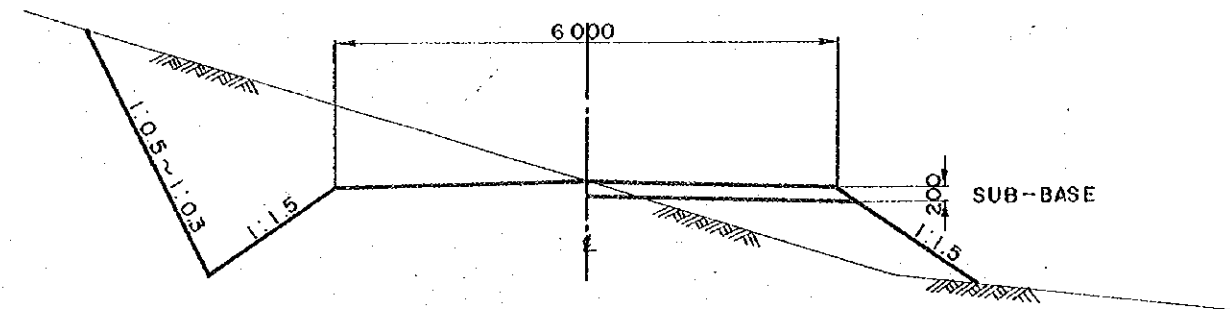
EMBANKMENT SECTION



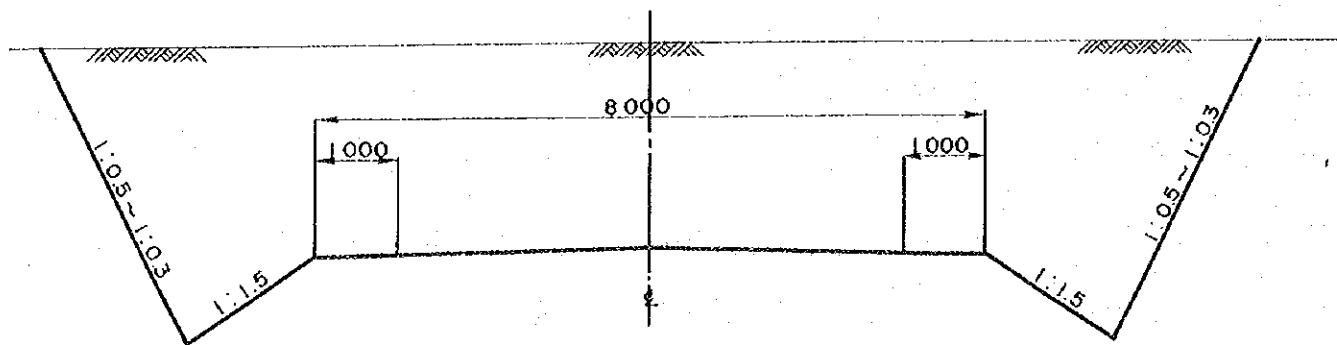
EMBANKMENT SECTION



EMBANKMENT AND CUT SECTION

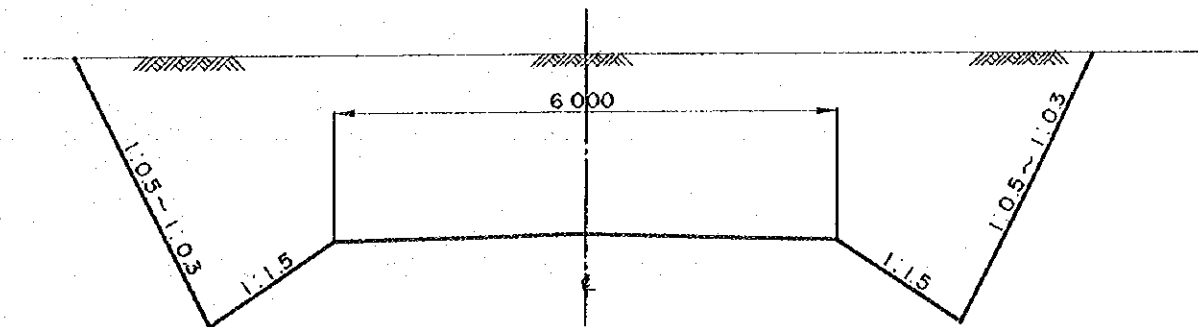


EMBANKMENT AND CUT SECTION



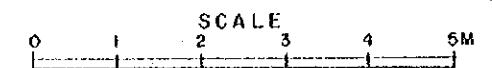
CUT SECTION

8.00 METRE IN BREADTH
 (TINGGOA ~ LAVANGGU)
 (HARBOUR ~ PLANTSITE)
 (PLANTSITE ~ LUGHU)

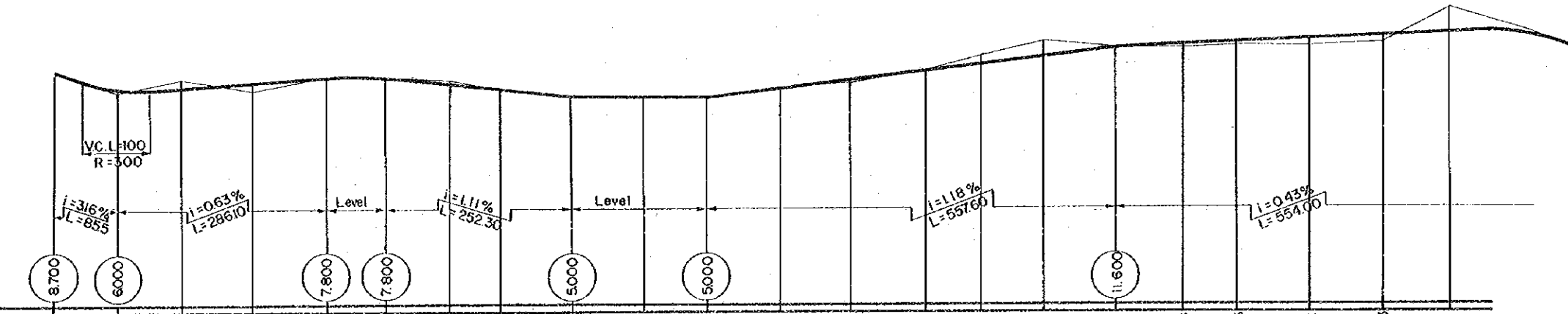
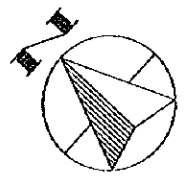
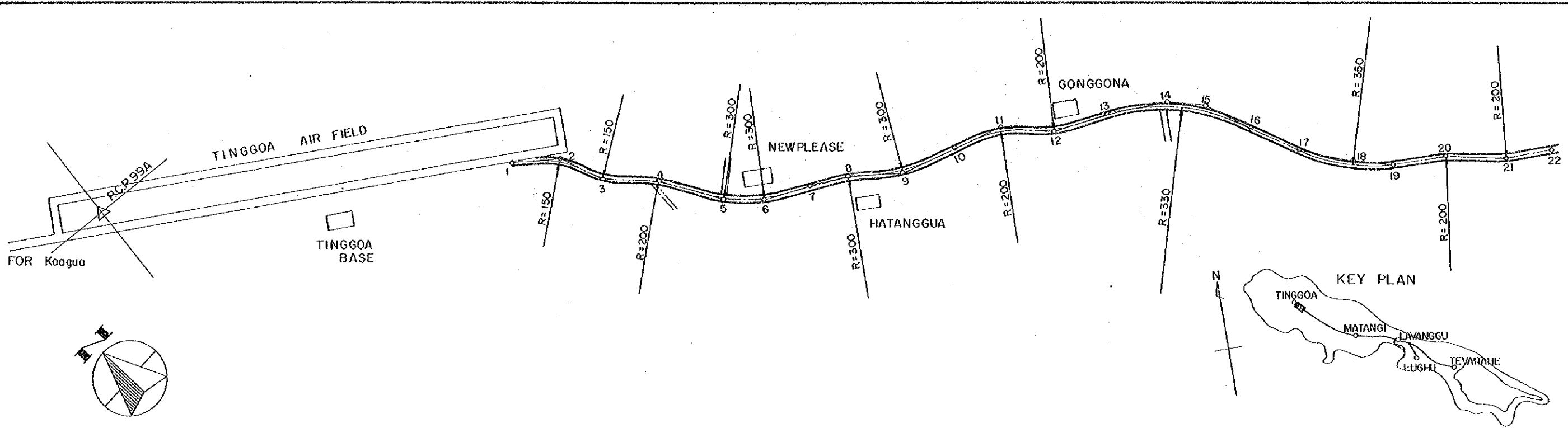


CUT SECTION

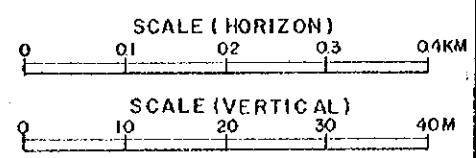
6.00 METRE IN BREADTH
 (DIVERGE ~ TEVAITAHE)



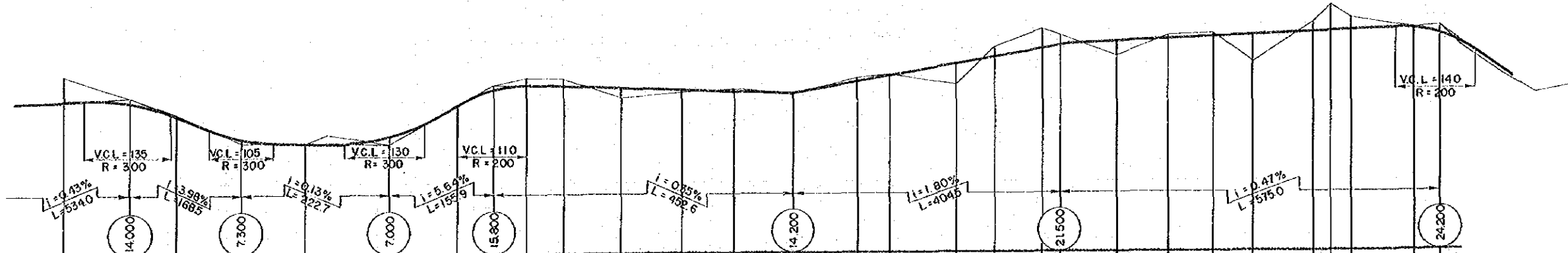
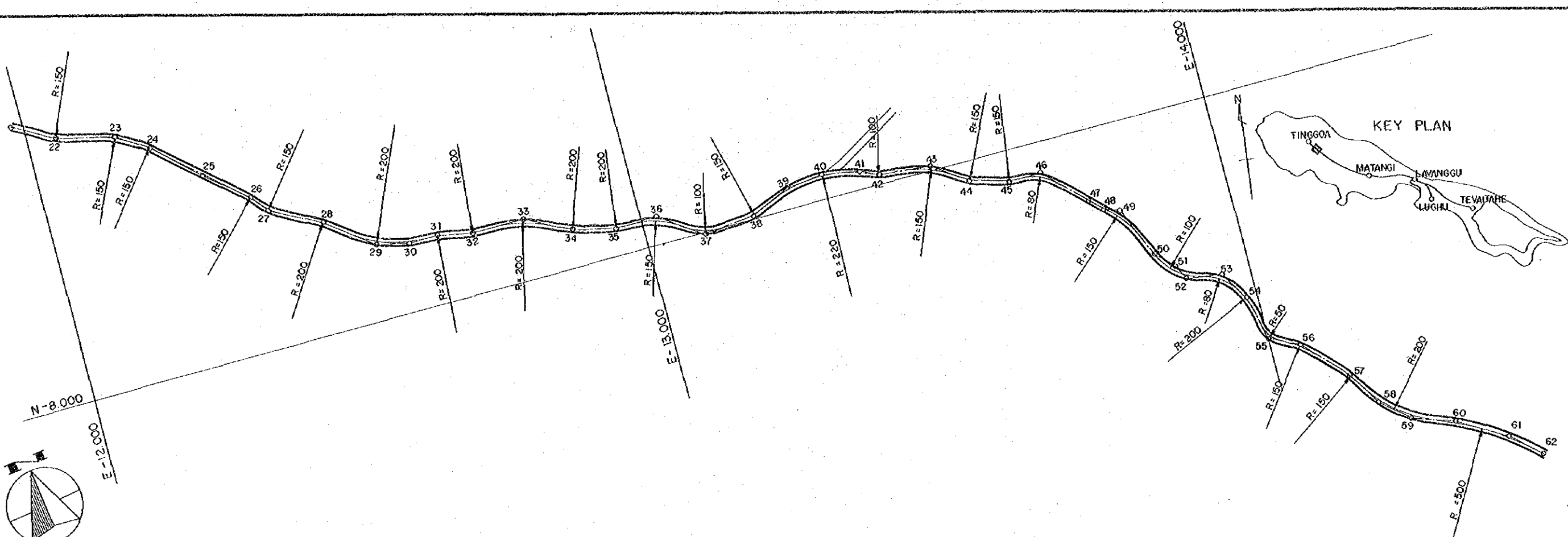
TYPICAL CROSS SECTION	
DATE	SHEET NO. 2 in 31
	-1976



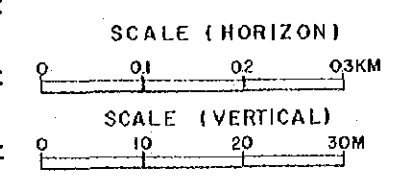
EMBANKMENT HEIGHT		0.600	1.180			0.106			0.341					0.488	0.505	1.032	0.963					
CUTTING DEPTH			0.730			0.340			0.232			0.172	1.392	2.057				3.747				
PROPOSED HEIGHT	8.700	6.600	6.570	7.180	7.800	7.800	6.660	6.106	5.000	5.000	5.000	6.168	7.341	8.322	9.408	10.403	11.600	11.988	12.303	12.732	13.163	13.553
GROUND HEIGHT	8.700	6.000	7.300	6.000	7.800	7.800	7.200	6.000	5.000	5.000	5.000	6.400	7.000	8.700	10.800	12.500	11.600	11.500	11.800	11.700	12.300	17.300
ADDED DISTANCE	0	85.50	175.5	272.9	371.6	462.1	537.1	604.7	704.4	803.9	886.7	985.7	1085.1	1185.2	1260.3	1344.6	1444.3	1544.6	1607.9	1707.6	1807.7	1985.3
DISTANCE	0	85.50	900.0	974.0	987.0	80.50	86.00	67.60	96.70	99.50	82.80	99.00	99.40	100.10	75.10	84.30	98.70	90.30	73.30	98.70	100.10	90.80
STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
CURVE BAND		R=150	R=150	R=200	R=300	R=300	R=300	R=300	R=300	R=200	R=200	R=330	R=330	R=330	R=350	R=350	R=200	R=200	R=200	R=200	R=200	R=200



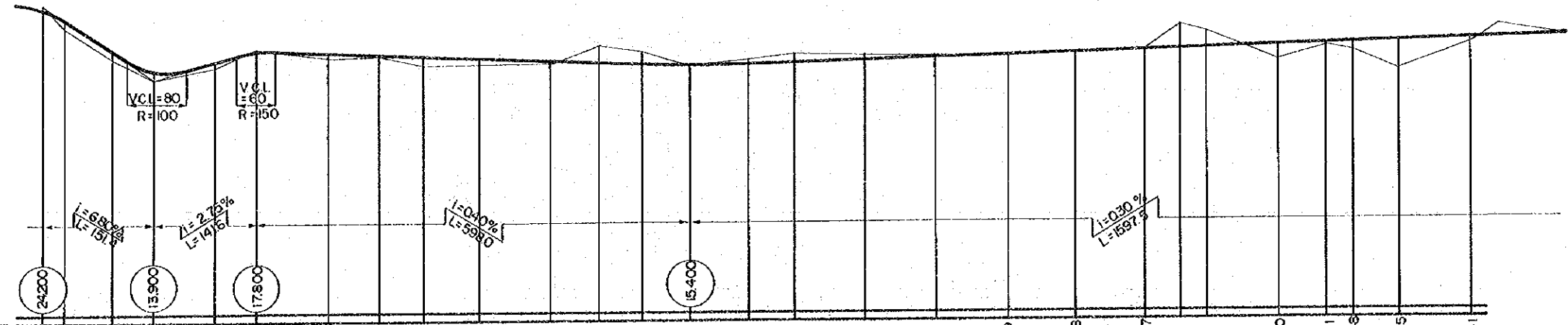
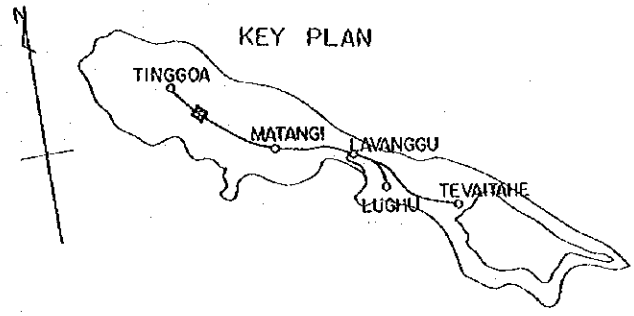
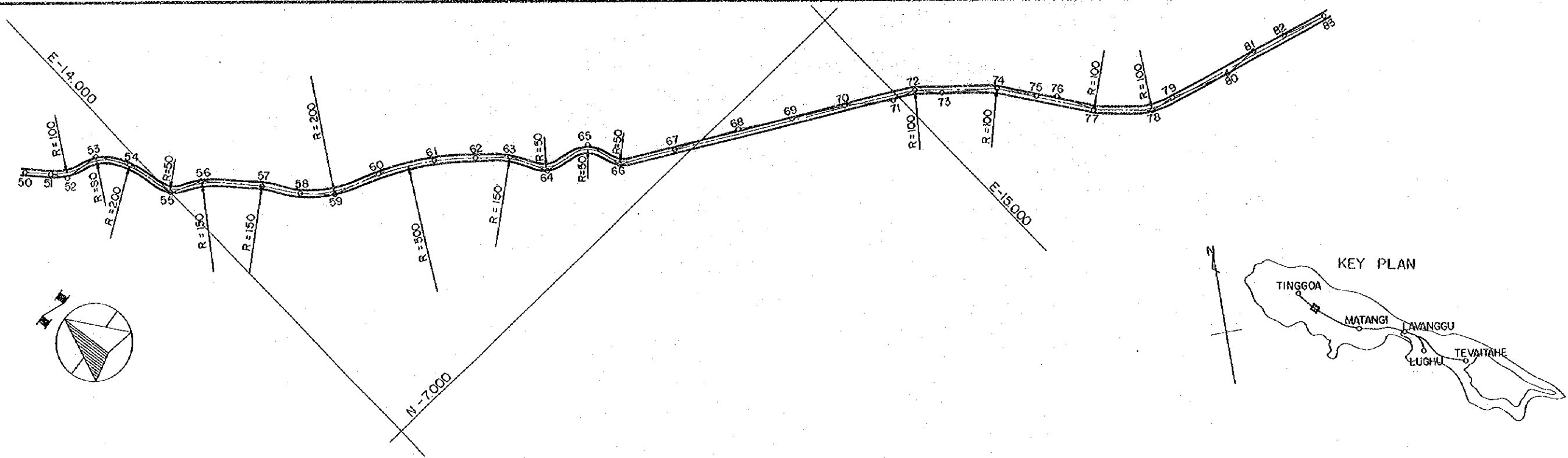
ROAD TINGGOA ~ LAVANGGU
 PLAN AND PROFILE
 KM 0 - KM 1.998
 SHEET NO.
 3 in 31
 DATE -1976



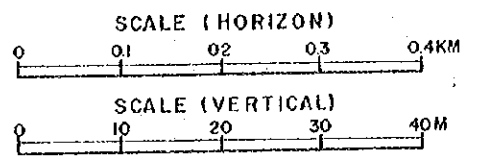
EMBANKMENT HEIGHT	CUTTING DEPTH	PROPOSED HEIGHT	GROUND HEIGHT	ADDED DISTANCE	DISTANCE	STATION	CURVE BAND
	3.747	13.555	17.300	1888.6	90.90	22	R=150
	0.800	13.200	14.000	1988.3	99.70	23	R=150
	0.142	11.258	11.400	2087.2	68.90	24	R=150
0.600		7.900	7.300	2166.8	99.60	25	R=150
0.075		7.176	7.100	2251.9	95.10	26	R=150
1.370		7.130	8.500	2297.4	35.50	27	R=150
1.000		8.000	7.000	2389.5	92.10	28	R=200
1.251	0.149	12.551	12.800	2489.7	100.20	29	R=200
15.100	0.700	15.100	15.900	2545.5	56.80	30	R=200
15.965	0.836	15.965	16.800	2582.7	47.20	31	R=200
15.530	1.170	15.530	16.700	2651.2	56.50	32	R=200
15.125		15.125	13.800	2736.6	87.40	33	R=200
14.806		14.806	14.600	2828.6	91.00	34	R=200
14.530	0.470	14.530	15.000	2906.5	76.90	35	R=200
14.200		14.200	14.200	2996.1	88.60	36	R=150
15.964	0.335	15.964	16.800	3096.1	98.00	37	R=100
16.822	0.278	16.822	17.100	3143.9	47.70	38	R=150
18.613		18.613	16.600	3246.3	95.50	39	R=220
19.686		19.686	21.200	3302.9	59.60	40	R=100
20.944	1.514	20.944	23.900	3372.8	69.90	41	R=150
21.500	1.500	21.500	23.000	3402.6	29.80	42	R=150
21.901		21.901	19.800	3487.0	86.30	43	R=150
22.260	0.640	22.260	22.900	3564.4	76.50	44	R=150
22.582	0.518	22.582	23.100	3632.9	68.50	45	R=150
22.861		22.861	18.900	3690.0	57.10	46	R=80
23.276	1.224	23.276	24.500	3760.4	90.40	47	R=150
23.411	3.989	23.411	27.400	3809.1	26.70	48	R=150
23.560	1.940	23.560	25.500	3940.8	31.70	49	R=150
24.023	0.023	24.023	24.000	3969.5	98.70	50	R=100
24.200	1.400	24.200	24.200	3977.6	38.10	51	R=100



ROAD. TINGGOA ~ LAVANGGU
 PLAN AND PROFILE
 KM1998 - KM3977
 SHEET NO. 4 in 31
 DATE -1976



EMBANKMENT HEIGHT	1.128	1.074	1.000	0.804	0.319	1.278	0.976	0.381	0.119	0.098	0.787	1.840	0.141	0.948	3.945	0.541
CUTTING DEPTH	1.400			0.790	0.300			2.288	1.727		0.455	1.171	0.575	0.277	3.268	2.258
PROPOSED HEIGHT	22800	22228	17774	14900	16190	17404	17119	16878	15756	16181	15912	15673	15400	15645	15829	16719
GROUND HEIGHT	24200	21100	16700	13900	15400	17800	16600	16800	15600	15800	18200	17400	15400	16100	17000	16600
ADDED DISTANCE	59776	40066	40721	41290	42123	42705	43694	44408	45011	45765	46753	47425	48022	48685	49503	50117
DISTANCE	3810	2900	6550	5690	8330	5820	9690	7140	6030	7540	9880	6720	5970	6630	8180	6140
STATION	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66
CURVE BAND	R=100	R=80	R=200	R=50	R=150	R=150	R=200	R=500	R=150	R=50	R=50	R=100	R=100	R=100	R=100	R=100

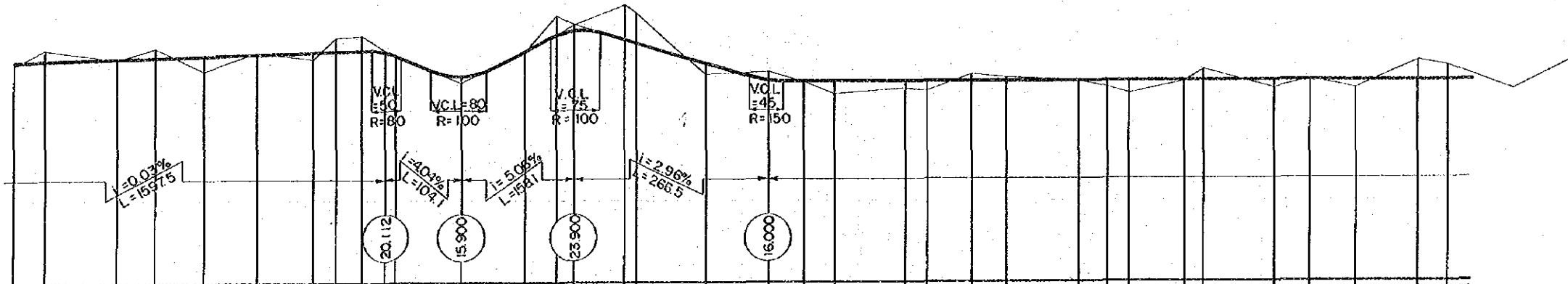
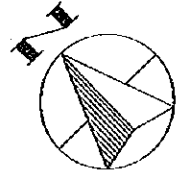
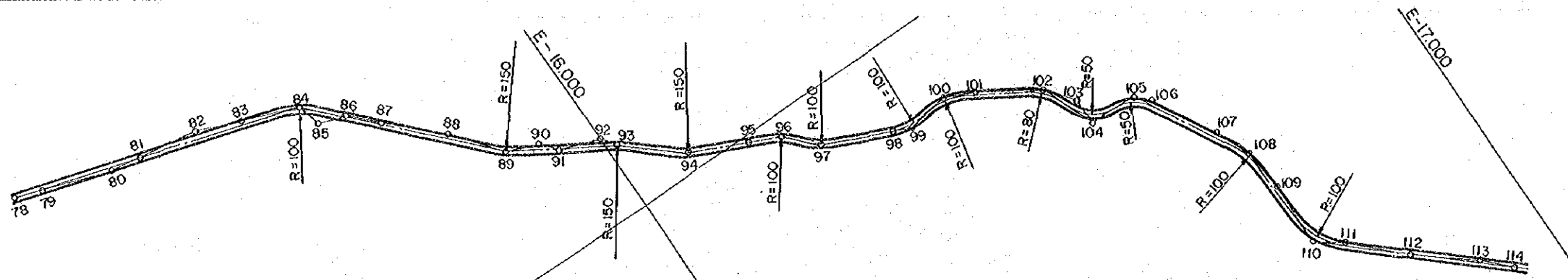


ROAD. TINGGOA ~ LAVANGGU

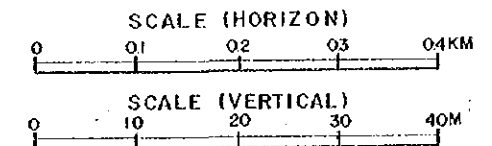
PLAN AND PROFILE
KM 3977 - KM 5948

SHEET NO.
5 in 31

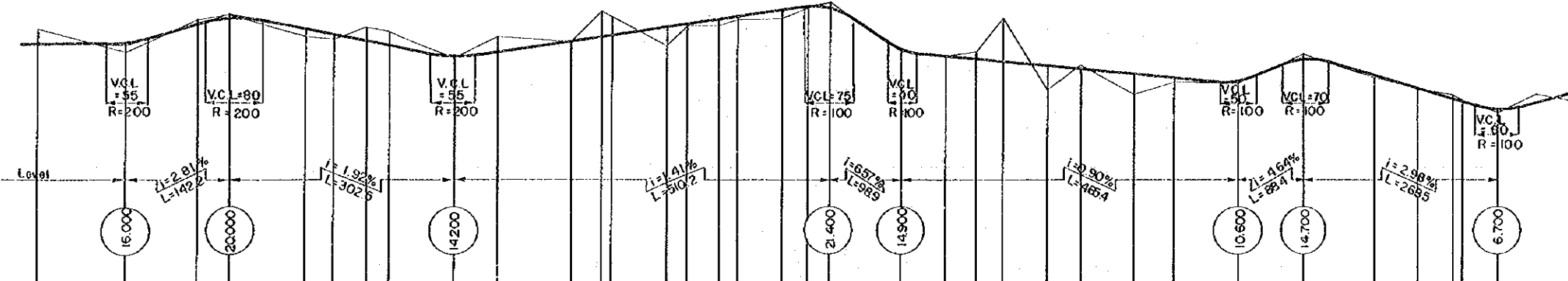
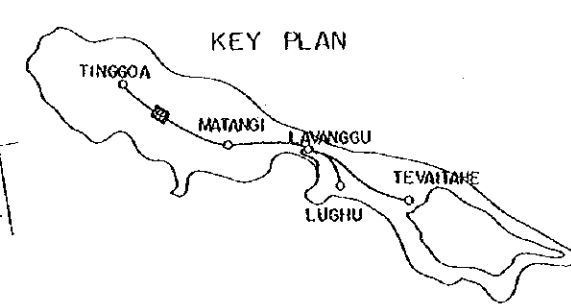
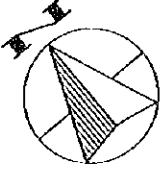
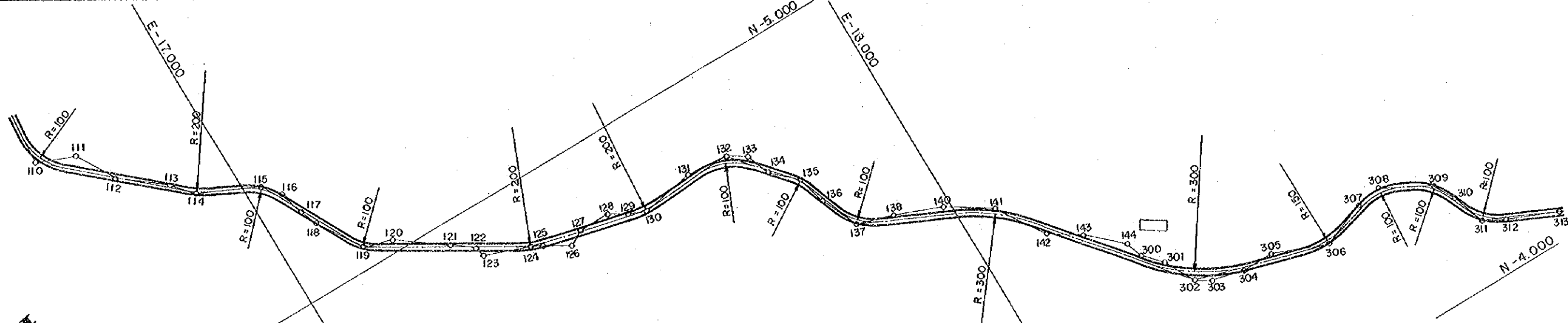
DATE - 1976



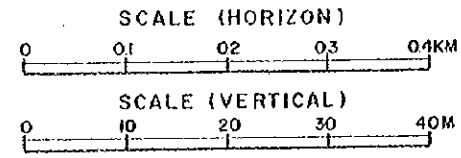
EMBANKMENT HEIGHT	0.541	0.060	1.828	0.683	1.000	0.471	1.504	0.100	1.800	1.100	1.400	0.200	1.000	1.800	0.100	1.000	1.000
CUTTING DEPTH		1.636	1.374	0.250	2.025	2.313	0.012	0.010	1.150	0.800	0.300	0.800	1.400	0.100	0.100	2.700	1.900
PROPOSED HEIGHT	18.641	18.764	19.060	19.226	19.428	19.650	19.863	20.025	20.271	20.564	20.800	21.000	21.200	21.396	21.500	21.600	21.700
GROUND HEIGHT	18.100	20.400	19.000	20.600	19.600	20.000	19.200	22.000	19.800	24.800	23.900	23.000	22.400	23.400	23.500	23.400	18.700
ADDED DISTANCE	59.48.9	59.68.6	60.88.8	61.44.1	62.11.5	62.86.3	63.65.0	63.93.8	64.31.0	64.81.4	65.70.1	66.56.5	67.01.8	67.28.2	67.50.0	68.2.8	68.70.0
DISTANCE	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94
STATION	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94
CURVE BAND							R=100				R=150		R=150		R=80		R=100



ROAD. TINGGOA ~ LAVANGGU
 PLAN AND PROFILE
 KM 5948 - KM 7934
 SHEET NO. 6 in 31
 DATE - 1976



EMBANKMENT HEIGHT	1.500	1.190	0.749	0.300	0.222	2.722	0.202	0.897	0.365	1.085	0.090	0.300	0.239	3.280	2.836	0.412	0.300	0.083	0.441	0.600															
CUTTING DEPTH	1.900	0.609	0.300																																
PROPOSED HEIGHT	15.000	16.300	18.691	19.700	18.090	17.549	16.475	15.888	14.500	15.022	16.422	16.994	17.957	18.322	18.702	19.297	19.665	20.485	20.960	20.700	15.100	14.339	13.946	13.650	12.663	12.025	11.512	10.900	14.100	11.763	9.998	8.541	8.162	7.300	
GROUND HEIGHT	17.900	14.800	19.300	20.000	16.900	16.600	18.200	17.500	14.200	17.000	16.200	20.400	19.700	15.600	18.500	18.400	19.300	19.400	20.900	21.400	14.900	14.100	14.900	19.400	9.800	13.100	9.200	11.100	10.600	14.700	11.700	10.000	9.100	8.200	6.700
ADDED DISTANCE	7934.7	8227.3	8423.1	8163.5	8269.0	8307.6	8353.1	8398.7	8472.0	8530.3	8626.6	8702.1	8784.5	8864.4	8943.3	9022.3	9101.3	9177.8	9262.9	9362.2	9408.1	9435.5	9472.2	9522.3	9585.4	9652.7	9729.7	9816.5	9903.4	9990.3	10077.2	10164.1	10251.0	10337.9	
DISTANCE	41.20	92.60	95.60	46.40	99.50	38.60	45.50	30.60	88.30	58.30	98.30	40.60	14.20	79.80	26.90	42.20	26.10	58.20	35.10	29.30	98.90	62.40	43.70	35.10	61.10	46.30	70.80	57.10	88.90	88.40	97.90	69.90	49.90	12.70	49.10
STATION	111	112	113	114	115	116	117	118	119	120	121	123	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	140	141	142	143	144	300	301
CURVE BAND					R=200	R=100			R=100					R=200				R=200			R=100					R=100						R=300			R=300

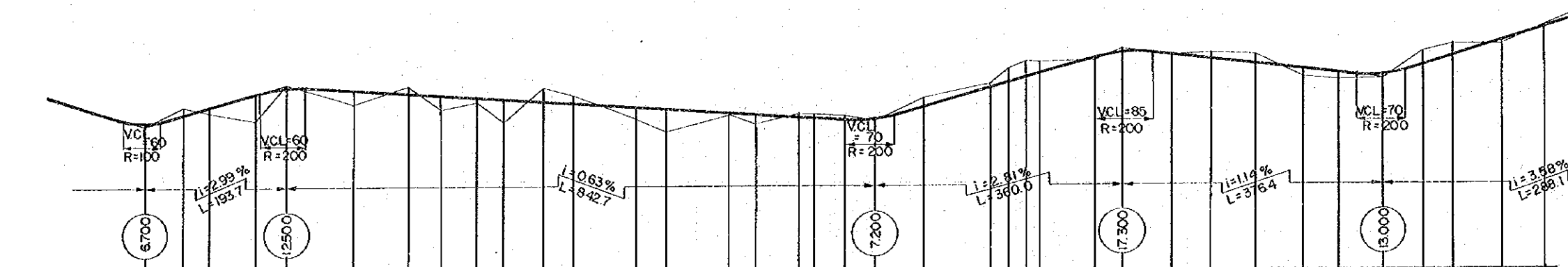
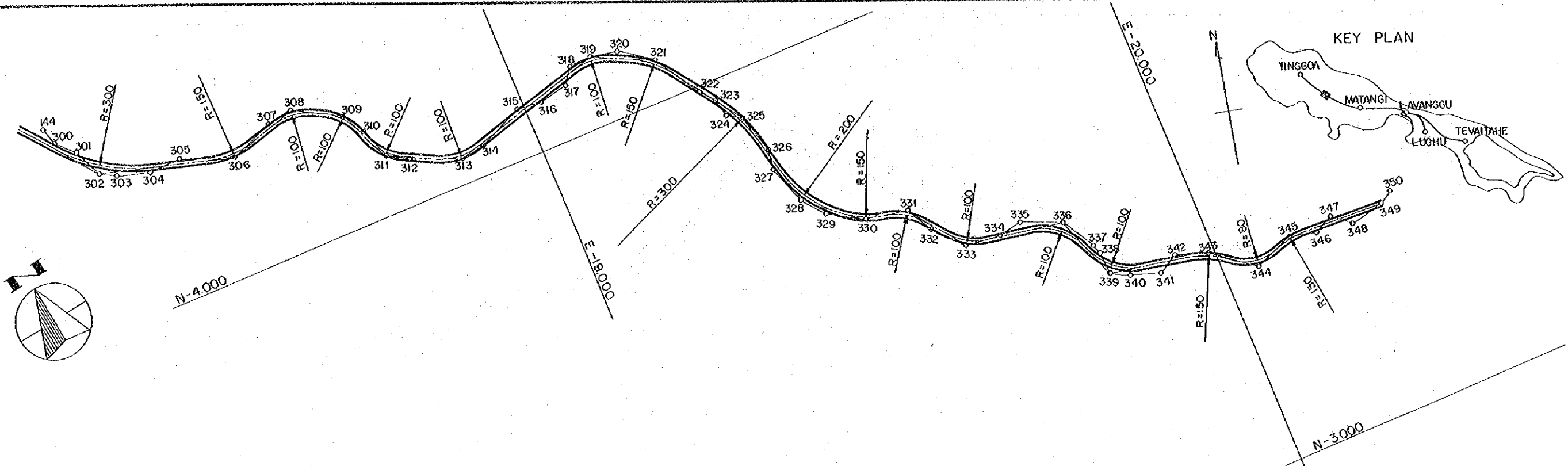


ROAD. TINGGOA ~ LAVANGGU

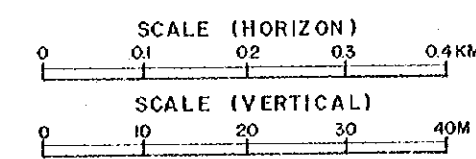
PLAN AND PROFILE
KM7934 - KM 9903

SHEET NO.
7 in 31

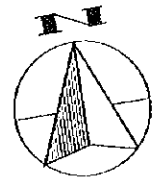
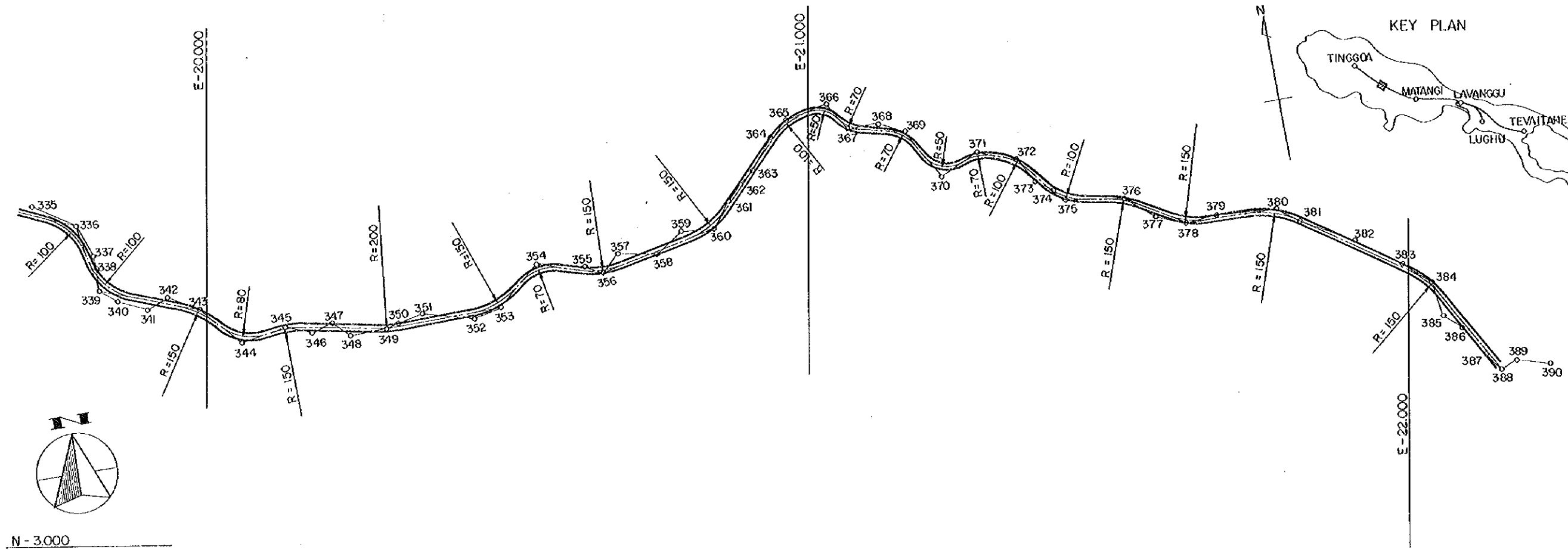
DATE 1976



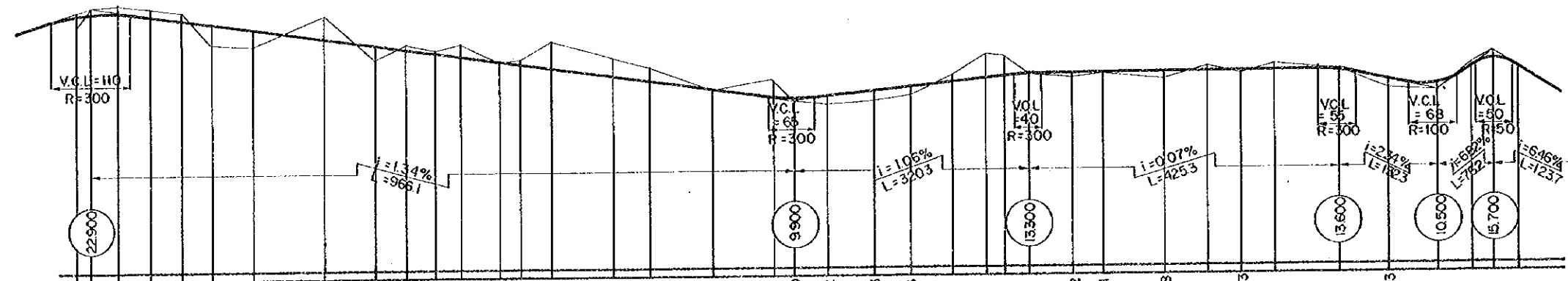
EMBANKMENT HEIGHT	0.600	0.523	3.887	2.194	2.091	0.777	3.527	1.837	3.283	0.418	1.362	0.300	0.522	0.006	1.214	0.960	0.700	0.676
CUTTING DEPTH		0.998		0.400	0.905			1.920		1.183			1.390	0.301	1.734	2.115	1.413	
PROPOSED HEIGHT	7.300	8.302	9.223	11.187	12.100	11.894	12.300	11.395	10.991	10.777	10.527	10.180	9.917	11.100	10.600	10.220	9.920	9.337
GROUND HEIGHT	6.700	7.300	8.700	12.500	11.200	11.100	12.100	10.400	10.000	9.800	9.000	8.800	8.518	8.262	7.883	7.748	7.467	6.900
ADDED DISTANCE	99.034	99.570	99.876	100.255	100.571	100.833	101.044	101.200	101.310	101.380	101.413	101.413	101.413	101.413	101.413	101.413	101.413	101.413
DISTANCE	49.10	55.60	60.80	65.70	70.20	74.20	77.80	80.90	83.50	85.70	87.50	88.90	90.00	90.80	91.30	91.60	91.80	91.90
STATION	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318
CURVE BAND	R=300	R=150	R=100	R=100	R=100	R=100	R=100	R=100	R=100	R=150	R=300	R=200	R=150	R=100	R=100	R=100	R=100	R=100



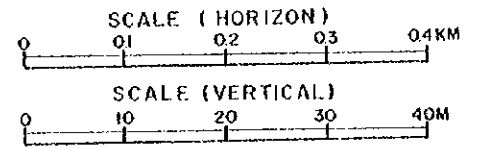
ROAD TINGGOA ~ LAVANGGU
 PLAN AND PROFILE
 KM 9903 - KM 11.907
 SHEET NO. 8 in 31
 DATE - 1976



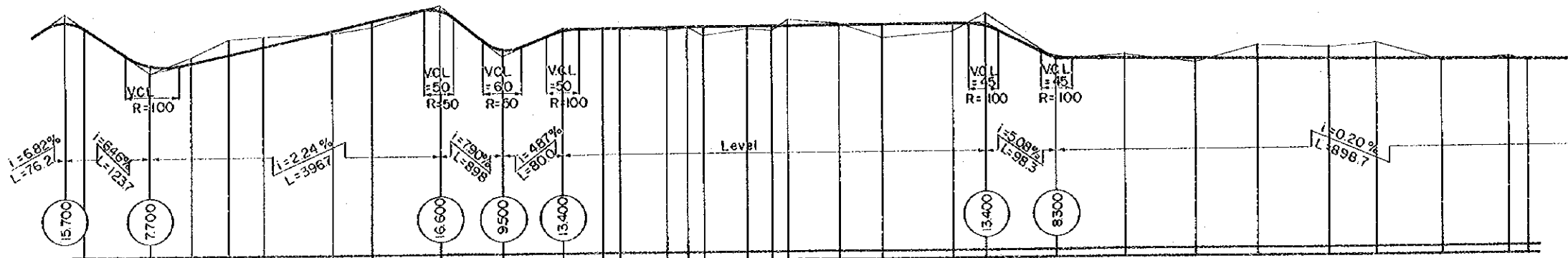
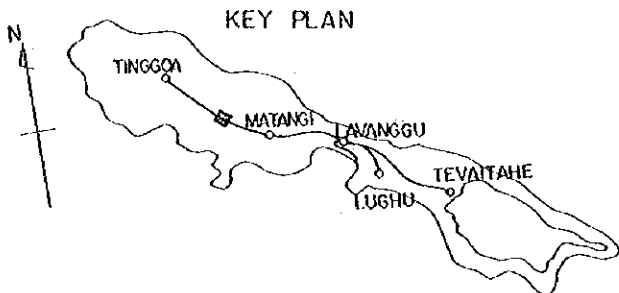
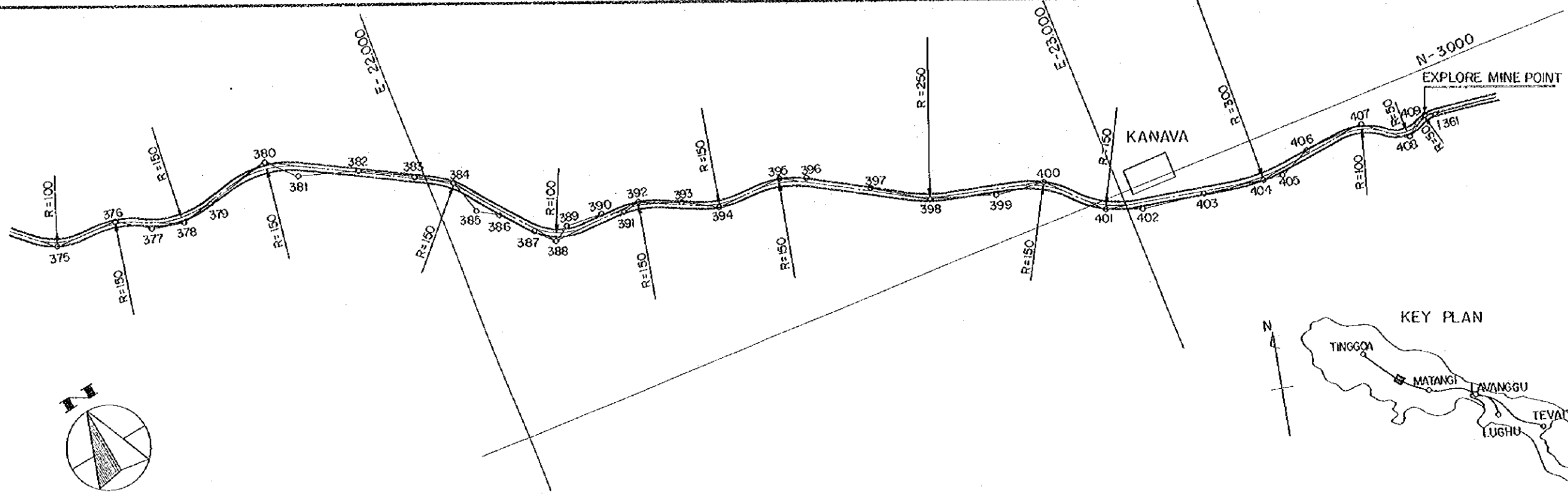
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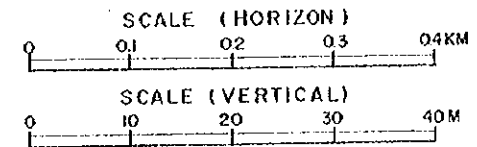
EMBANKMENT HEIGHT			2.648	2.323		1.961		0.150		0.154	0.300	1.172	1.223	1.053		0.742	0.271	1.028	0.403		1.123						
CUTTING DEPTH	1.000	0.893	1.210	1.099		3.208	0.722	0.456	1.713		0.624	3.671	2.605	1.869		1.017	3.533	2.855	0.100		0.864						
PROPOSED HEIGHT	20.400	22.900	22.407	21.790		18.592	17.661	17.078	16.544	16.087	15.350	14.976	13.286	12.631		13.342	13.371	13.428	13.468	13.503	13.596						
GROUND HEIGHT	20.400	22.900	23.300	23.000	21.201	18.000	17.800	17.000	16.544	16.800	15.200	14.976	13.900	14.500		13.200	13.100	12.400	14.100	13.100	14.400						
ADDED DISTANCE	11907.4	11927.5	11964.3	12010.4	12054.3	12249.0	12318.5	12362.0	12436.0	12491.0	12559.7	12644.3	12693.9	12781.7	12865.8	12895.6	13109.0	13154.7	13180.9	13213.9	13274.5						
DISTANCE	60.10	36.80	46.10	43.90	41.30	99.30	69.50	45.50	39.90	34.10	55.00	27.90	40.80	84.60	27.80	44.60	61.40	50.00	89.40	45.70	26.20						
STATION	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357						
CURVE BAND	R=100		R=150		R=80	R=150		R=200		R=150		R=70		R=150		R=100		R=50	R=70		R=50	R=70		R=100		R=100	



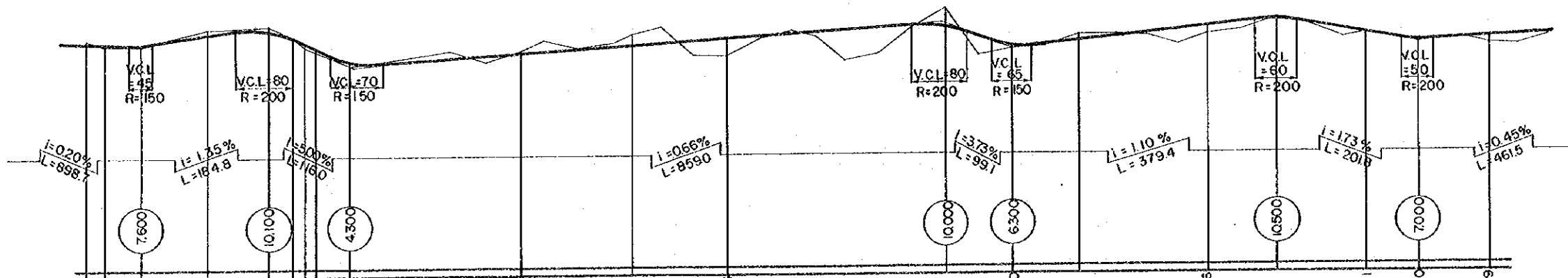
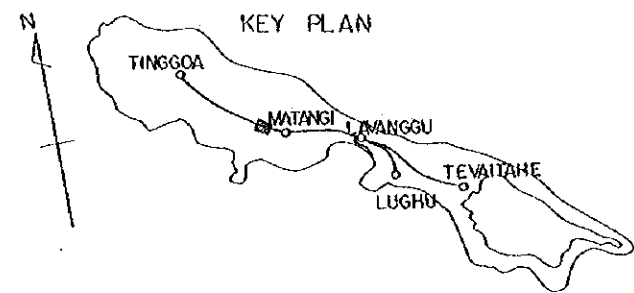
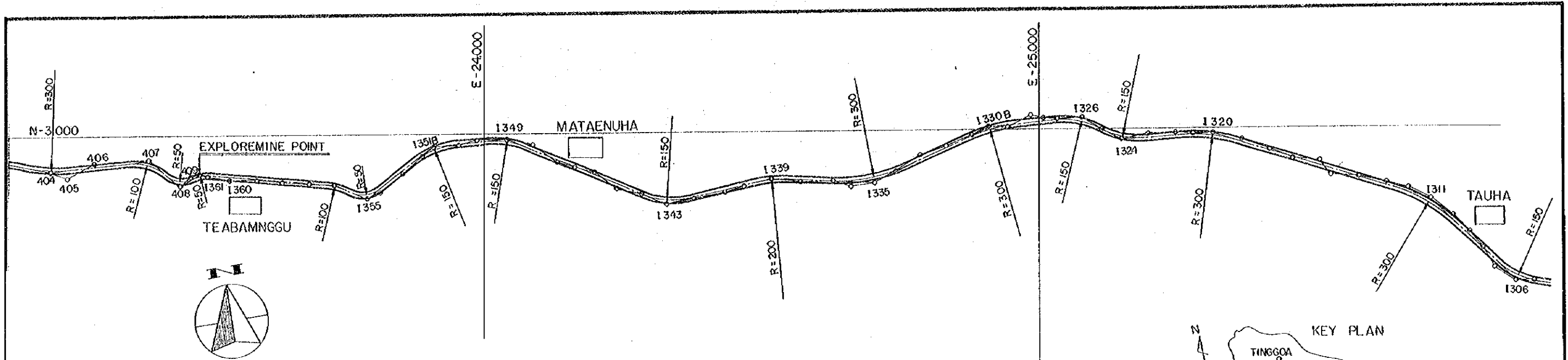
ROAD. TINGGOA~ LAVANGGU
 PLAN AND PROFILE
 KM 11907 - KM 13880
 SHEET NO.
 9 in 31
 DATE - 1976



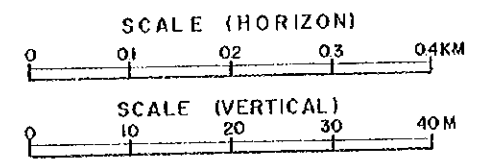
EMBANKMENT HEIGHT		0.900		0.438	0.598	1.000	0.100	0.500	0.100	1.000	0.300	0.500	1.900	1.000	0.300	0.111																
CUTTING DEPTH	0.412		0.672	2.201	1.448	0.700	0.300							1.500	0.891	2.363	2.261	2.792	0.177	1.173	0.523											
PROPOSED HEIGHT	13.588	8.600	9.028	10.199	11.252	13.438	14.488	15.900	10.500	13.100	13.400	13.400	13.400	13.400	13.200	8.600	8.109	7.911	7.737	7.539	7.408	7.223	7.033	6.977	6.977	6.977						
GROUND HEIGHT	14.000	7.700	9.700	12.300	12.700	13.000	13.900	16.500	8.500	13.400	12.900	13.400	13.400	13.400	14.800	8.300	9.000	7.800	10.100	9.800	10.200	7.400	8.200	7.500	7.500	7.500						
ADDED DISTANCE	3880.5	3971.5	4030.6	4085.1	4130.1	4227.7	4275.0	4368.2	4458.0	4638.0	4681.6	4711.3	4734.1	4794.6	4832.2	4888.3	5088.4	5133.5	5231.8	5327.4	5426.7	5513.4	5612.4	5677.8	5770.7	5865.7	5933.6	6023.3				
DISTANCE	32.70	91.00	59.30	52.50	47.00	97.50	47.30	93.20	89.80	80.00	54.40	23.70	65.50	29.70	22.80	60.50	37.60	23.80	72.700	59.60	100.10	45.10	98.30	95.60	99.30	86.70	99.00	65.40	92.90	96.00	27.90	15893.6
STATION	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	
CURVE BAND	R=100	R=150	R=150	R=150		R=150		R=100		R=150		R=150		R=150		R=250		R=150		R=150		R=250		R=150		R=150		R=300				



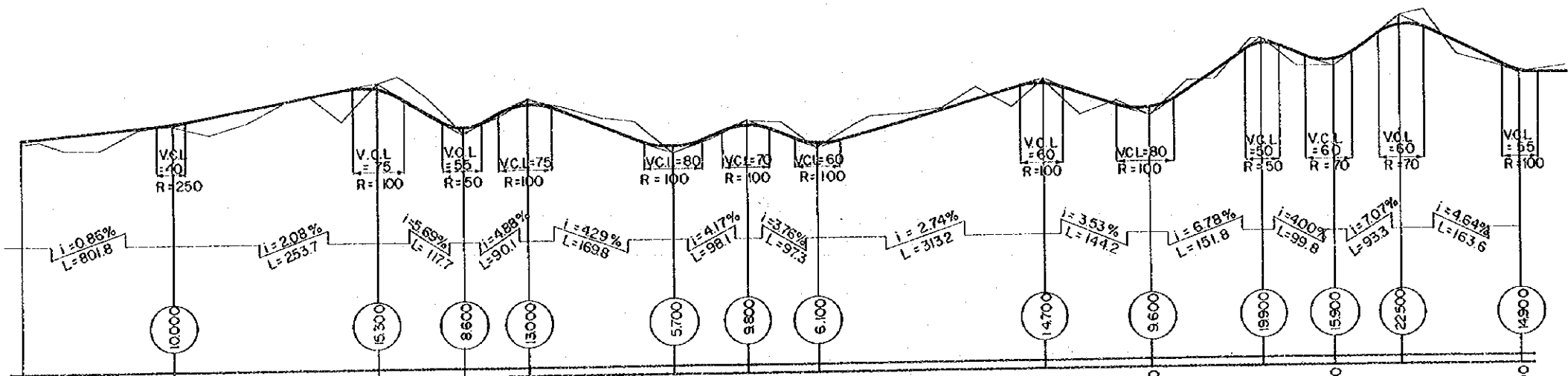
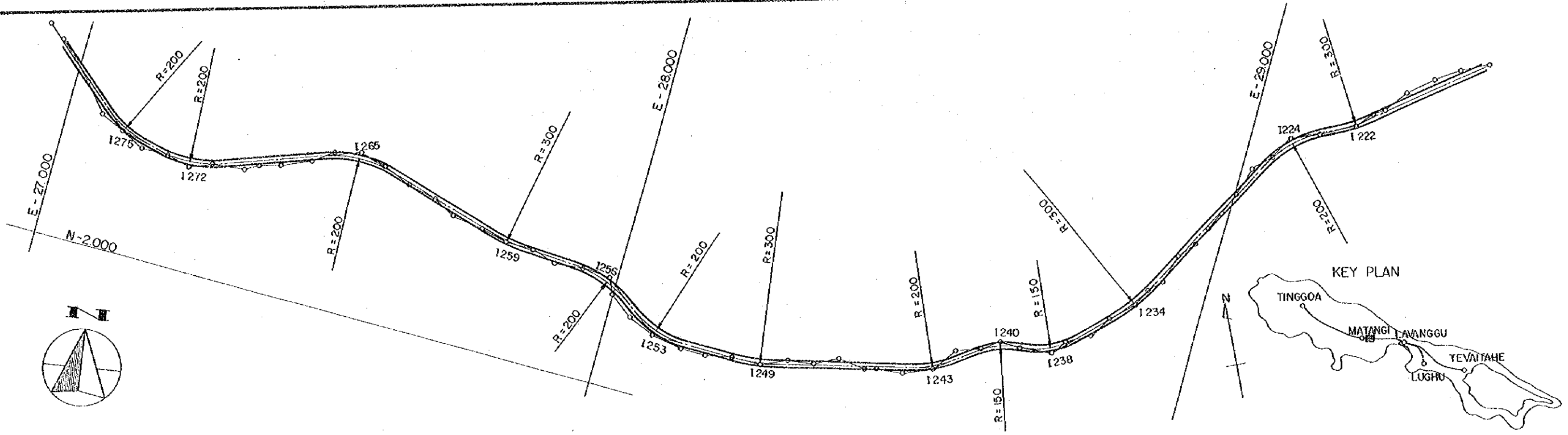
ROAD TINGGOA ~ LAVANGGU
 PLAN AND PROFILE
 KM 13880 - KM 15893
 SHEET NO. 10 in 31
 DATE -1976



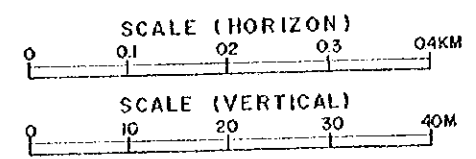
EMBANKMENT HEIGHT	0.050	0.215	0.230	0.500	2.300	0.300	1.086	0.27	0.050	0.869
CUTTING DEPTH	1.173	0.523	0.700	0.090	1.818	2.800	0.930	0.300		
PROPOSED HEIGHT	7.033	6.977	7.550	8.932	9.400	8.410	7.413	6.750	4.800	7.904
GROUND HEIGHT	8.200	7.500	7.600	9.800	10.100	8.500	7.200	6.500	4.300	5.600
ADDED DISTANCE	15885.7	15693.6	15945.7	16044.4	16130.5	16164.3	16184.2	16197.2	16246.5	16792.7
DISTANCE	56.00	27.90	52.10	98.70	86.10	338.0	19.90	13.70	486.0	138.70
STATION	404	405	406	407	408	409	1351	1360	1366	1343
CURVE BAND	R=300	R=100	R=50	R=50	R=400	R=50	R=150	R=150	R=150	R=150



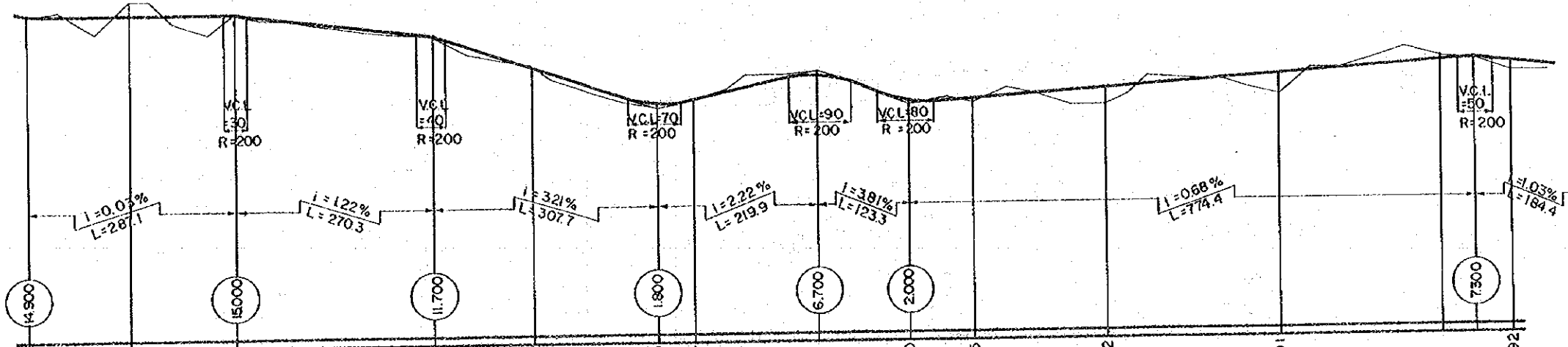
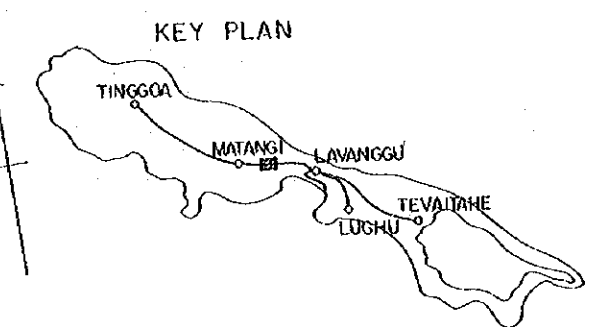
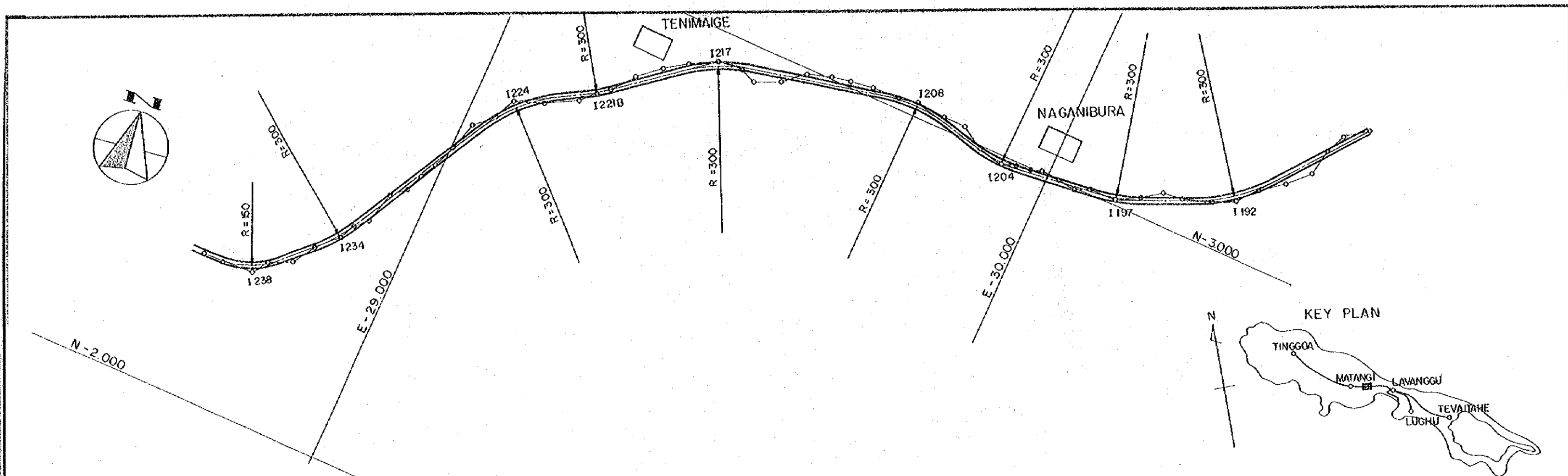
ROAD, TINGGOA ~ LAVANGGU
 PLAN AND PROFILE
 KM 15893 - KM 17890
 SHEET NO. 11 in 31
 DATE - 1976



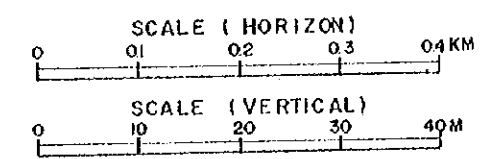
EMBANKMENT HEIGHT	0.287	0.100	0.700	0.800	0.600	1.000	0.900	0.300
CUTTING DEPTH			0.800	0.700	0.600	0.500	0.600	1.200
PROPOSED HEIGHT	8.167	10.100	9.300	12.500	6.700	10.600	16.800	15.200
GROUND HEIGHT	7.900	10.000	8.500	13.000	6.100	14.700	19.900	14.900
ADDED DISTANCE	1.9825.4	20.35.5	20.09.5	20.57.0	20.61.7	21.322.5	21.466.7	21.975.2
DISTANCE	3435.0	210.20	253.70	117.70	90.10	196.80	313.20	163.60
STATION	1281	1276	1270	1265	1259	1253	1243	1237
CURVE BAND	R=300	R=200	R=200	R=200	R=300	R=200	R=300	R=200



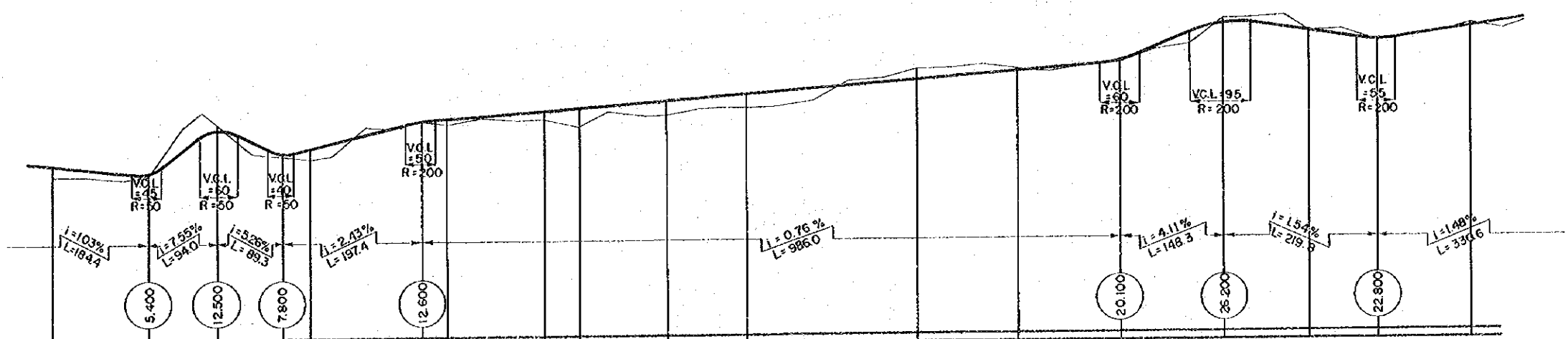
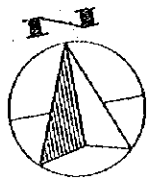
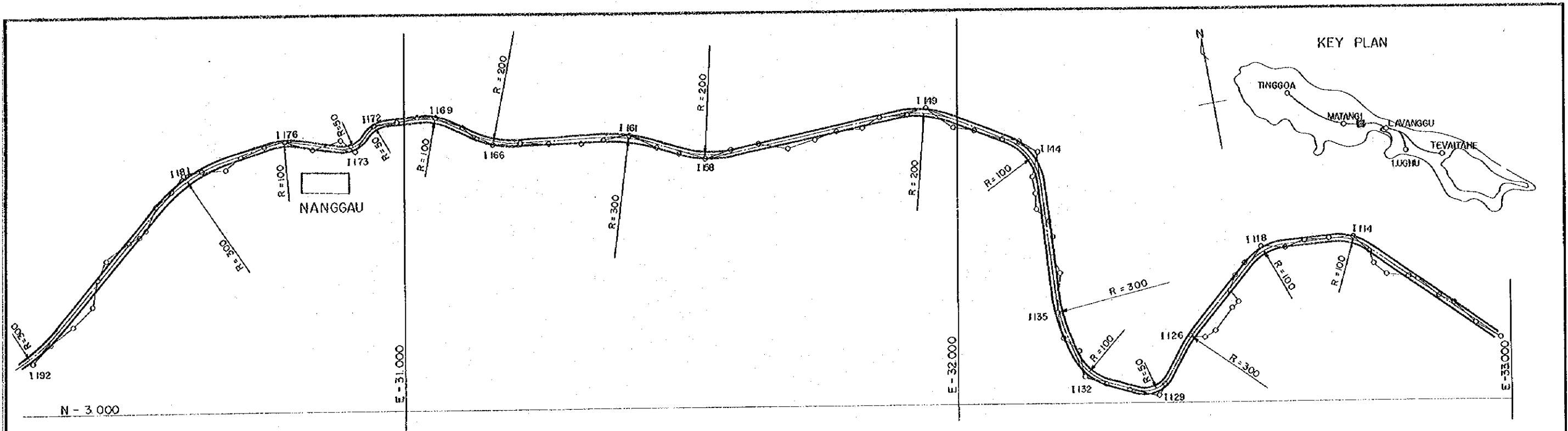
ROAD. TINGGOA ~ LAVANGGU
 PLAN AND PROFILE
 KM 19925 - KM 21975
 SHEET NO. 13 in 31
 DATE -1976



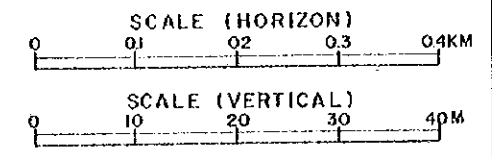
EMBANKMENT HEIGHT	0.900		0.000	0.700	0.194	0.400	0.395	2.212	2.591	1.392	
CUTTING DEPTH		2.058	0.100	0.275		0.900			0.564	0.100	
PROPOSED HEIGHT	14.900	14.942	14.900	17.325	2.500	2.894	2.400	2.595	5.391	6.792	
GROUND HEIGHT	14.900	17.000	15.000	7.600	1.800	2.700	2.000	2.200	2.800	5.400	
ADDED DISTANCE	21975.2	22115.7	22262.3	22532.6	22668.9	22840.3	23060.2	23183.5	23460.0	24002.3	
DISTANCE	163.60	140.50	146.60	270.30	1363.0	71.40	4930	87.60	1789.0	22720	
STATION	1237	1236	1235	1234	1233	1232	1231	1230	1229	1228	
CURVE BAND	R=300										



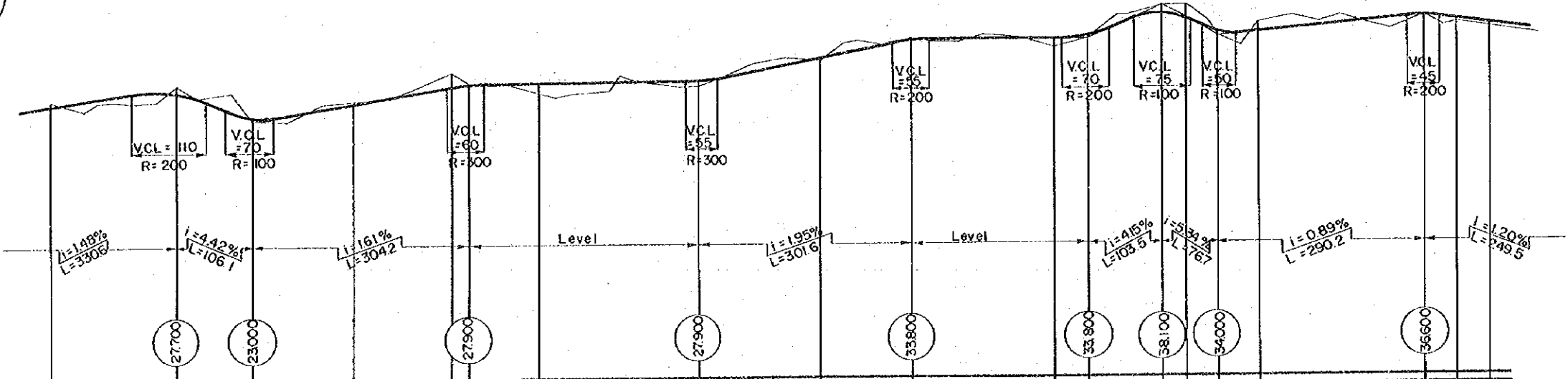
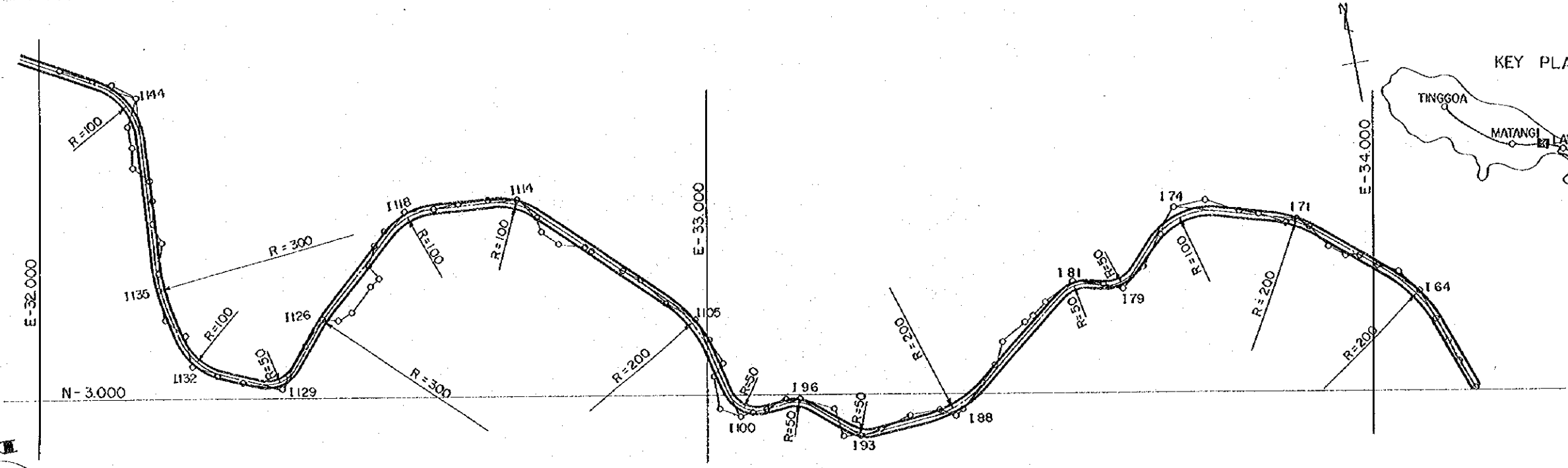
ROAD. TINGGOA ~ LAVANGGU
PLAN AND PROFILE
 KM 21975 - KM 24002
 SHEET NO.
 14 in 31
 DATE -1976



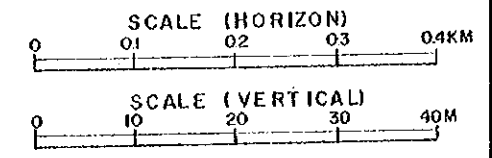
EMBANKMENT HEIGHT	1.392	0.400	0.400	1.347	0.672	1.092	2.456	2.327	0.400	0.300
CUTTING DEPTH			1.000		0.050					
PROPOSED HEIGHT	6.792	5.800	1.500	8.200	12.550	13.992	14.296	15.427	20.500	23.100
GROUND HEIGHT	5.400	5.400	1.250	7.800	12.600	12.800	11.800	13.100	20.100	22.800
ADDED DISTANCE	24002.3	24137.3	24223.13	24320.6	24518.0	24688.1	24737.7	24860.0	25504.0	25773.1
DISTANCE	4940	13500	9400	8930	3900	15840	3590	3420	14370	12080
STATION	1190	1189	1188	1187	1186	1185	1184	1183	1182	1181
CURVE BAND			R=300		R=100	R=50	R=50	R=100	R=200	R=200



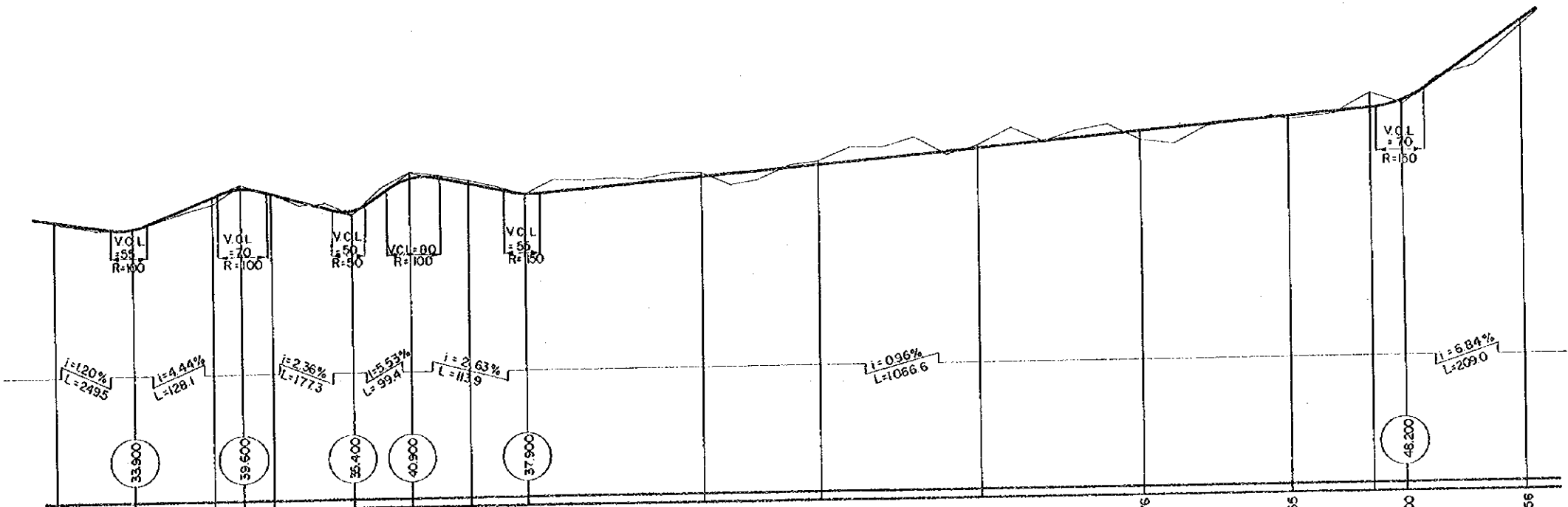
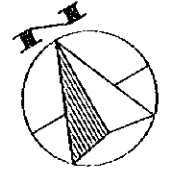
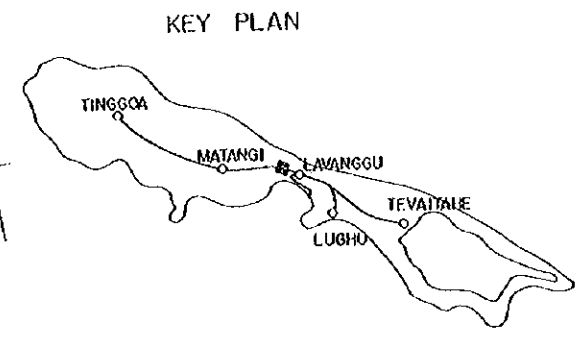
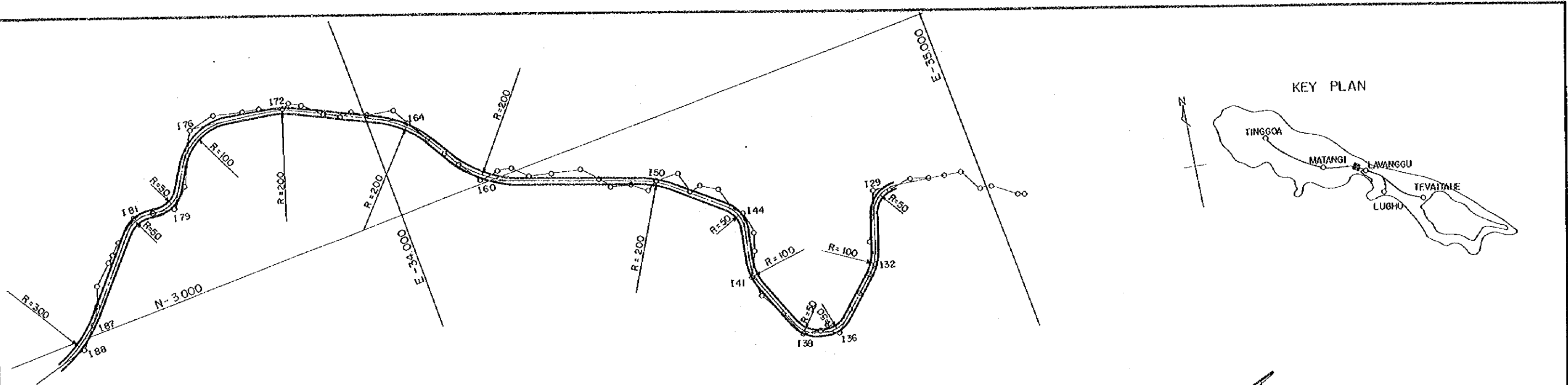
ROAD TINGGOA ~ LAVANGGU
 PLAN AND PROFILE
 KM 24.002 - KM 26.003
 SHEET NO. 15 in 31
 DATE - 1976



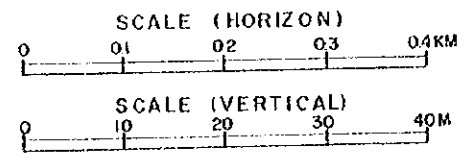
EMBAKMENT HEIGHT	CUTTING DEPTH	PROPOSED HEIGHT	GROUND HEIGHT	ADDED DISTANCE	DISTANCE	STATION	CURVE BAND
	1.151	24.394	25.500	26.003.4	1313.0	1144	R=100
0.400	1.100	26.600	27.700	26.202.7	1993.0	1143	R=300
0.018		28.400	23.000	26.508.8	106.10	1142	R=100
1.400	1.992	25.318	25.300	26.452.8	144.00	1141	R=50
0.600	0.200	27.900	27.900	26.888	1360.0	1140	R=300
0.365		31.265	27.900	26.613.0	2420.0	1139	R=100
1.400	0.200	33.800	27.400	26.942.1	230.10	1138	R=50
0.500		38.100	30.900	27.14.7	1726.0	1137	R=300
0.400		34.000	33.800	27.245.7	1290.0	1136	R=100
0.468		36.600	33.800	27.43.9	2002.0	1135	R=100
0.588		35.488	33.700	27.491.6	477.0	1134	R=200
		38.100	38.100	27.595.1	103.50	1133	R=50
		34.000	38.100	27.628.1	3300.0	1132	R=50
		36.600	34.000	27.671.8	4370.0	1131	R=50
		35.488	36.900	27.750.0	5820.0	1130	R=200
	0.200	36.400	36.600	27.962.0	2320.0	1129	R=50
	0.468	35.038	35.600	28.007.2	45.20	1128	R=50
	0.588	35.488	34.900	28.054.7	4750.0	1127	R=200



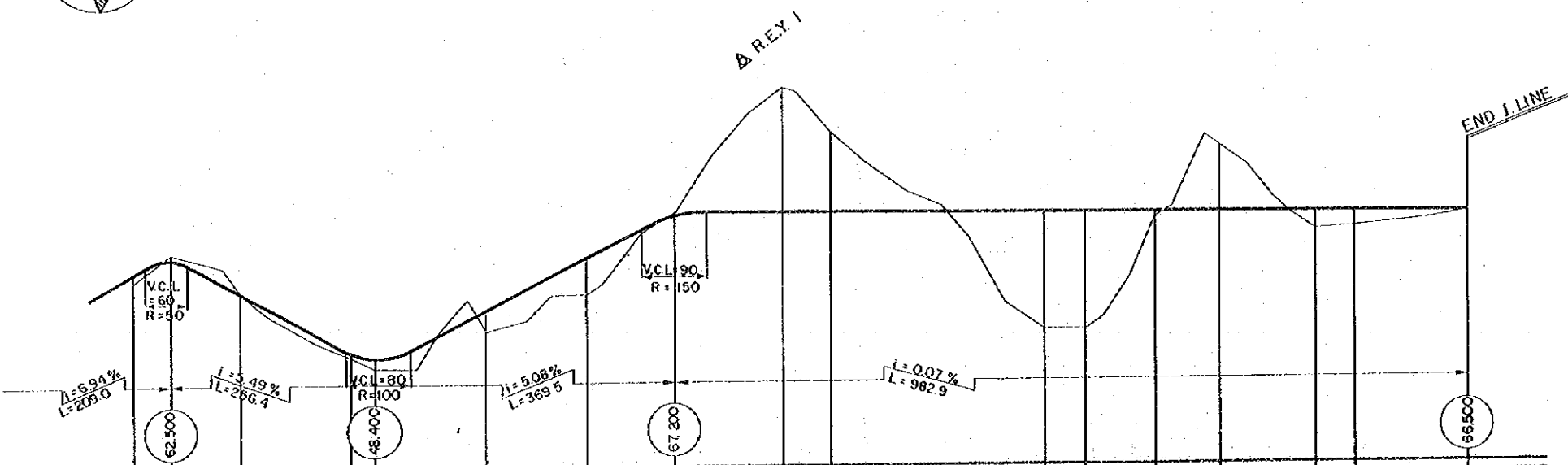
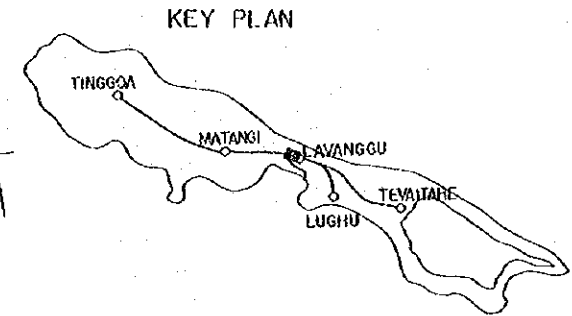
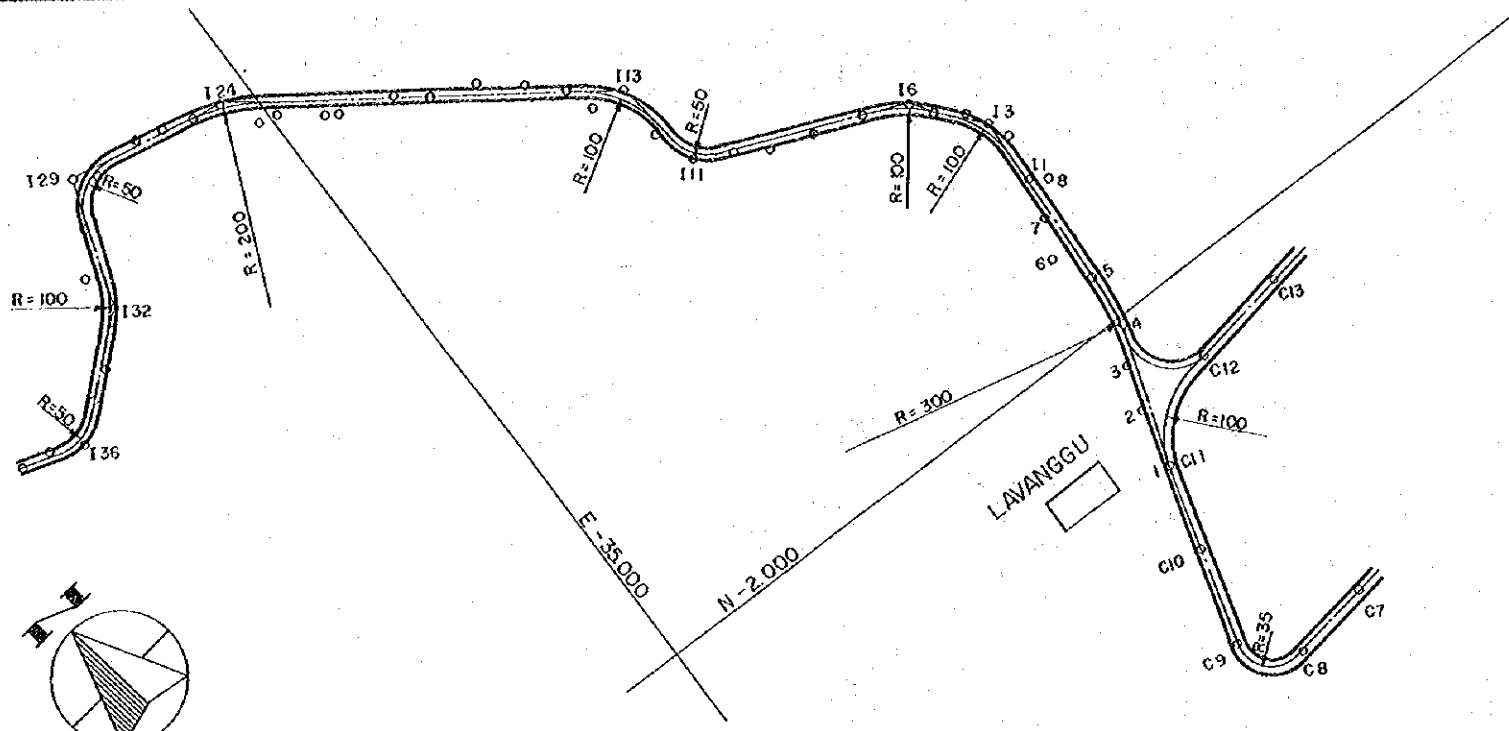
ROAD. TINGGOA ~ LAVANGGU
 PLAN AND PROFILE
 KM 26.003 - KM 28.054
 SHEET NO. 16 in 31
 DATE - 1976



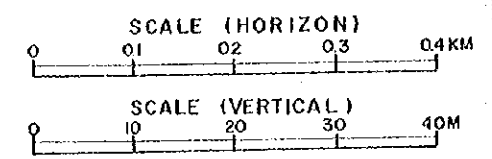
EMBANKMENT HEIGHT	0.888	0.400	0.971	0.167	0.700	0.100		0.876	0.155	0.600	0.756
CUTTING DEPTH			0.600		1.000	0.896	0.590	1.104	0.461	1.928	
PROPOSED HEIGHT	36.488	34.300	37.971	39.000	36.100	39.900	38.904	38.000	40.590	43.149	44.876
GROUND HEIGHT	34.900	33.900	37.000	39.600	38.600	40.900	39.600	41.700	43.600	46.500	48.800
ADDED DISTANCE	28054.7	28172.5	28284.2	28300.6	28335.9	28477.9	28577.3	28653.2	28691.2	28900.6	29072.1
DISTANCE	4750	117.80	91.70	36.40	35.30	2947.9	2857.3	28653.2	28691.2	20940	171.50
STATION	1 87	1 86	1 85	1 84	1 83	1 82	1 81	1 80	1 79	1 78	1 77
CURVE BAND		R=50	R=50	R=100	R=200	R=200	R=200	R=200	R=200	R=50	R=100



ROAD. TINGGOA ~ LAVANGGU
 PLAN AND PROFILE
 KM28.054 - KM 29.920
 SHEET NO. 17 in 31
 DATE 1976



EMBANKMENT HEIGHT	0.756	0.436	0.361	1.000	2.688	4.406		4.280	5.243	0.695		2.046	2.012		66.500
CUTTING DEPTH		0.900					0.500								
PROPOSED HEIGHT	59.356	61.600	57.635	50.061	55.288	61.506	66.700	67.107	66.890	66.785	66.730	66.645	66.600	66.500	66.500
GROUND HEIGHT	60.10	62.500	57.200	49.700	52.600	57.100	67.200	62.900	62.700	66.100	77.900	64.600	64.600	66.500	66.500
ADDED DISTANCE	29520.9	29966.8	30055.4	30193.8	30223.2	30358.8	30582.7	30726.6	31050.7	31099.9	31186.2	31264.2	31365.2	31433.7	31575.6
DISTANCE	163.10	48.90	88.60	138.40	29.40	135.60	122.40	11.50	133.90	57.30	266.80	48.20	86.30	7800	12100
STATION	136	135	134	133	132	131	130	129	128	127	126	125	124	123	122
CURVE BAND	R=50	R=100	R=50	R=200	R=100	R=50	R=100	R=50	R=100	R=100	R=300				



ROAD. TINGGOA ~ LAVANGGU

PLAN AND PROFILE
KM29.920 - KM 31.575

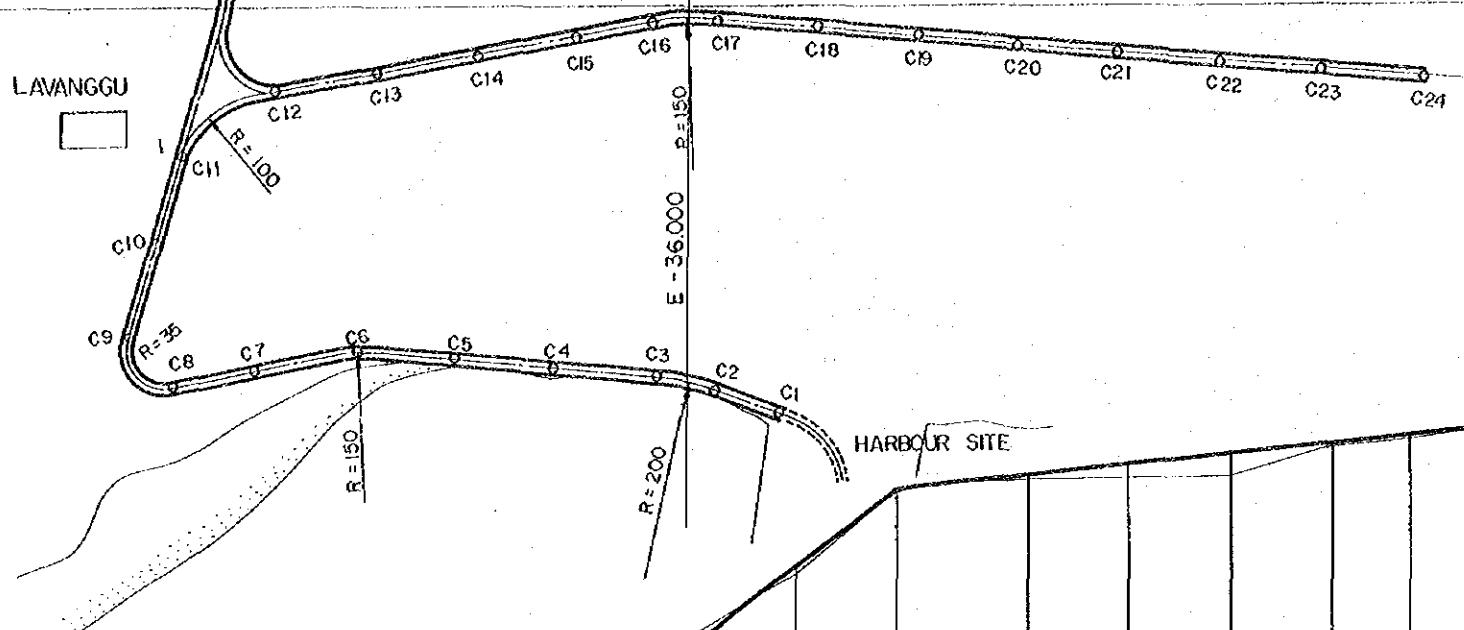
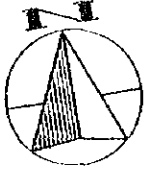
SHEET NO.
18 in 31

DATE _____ 1976

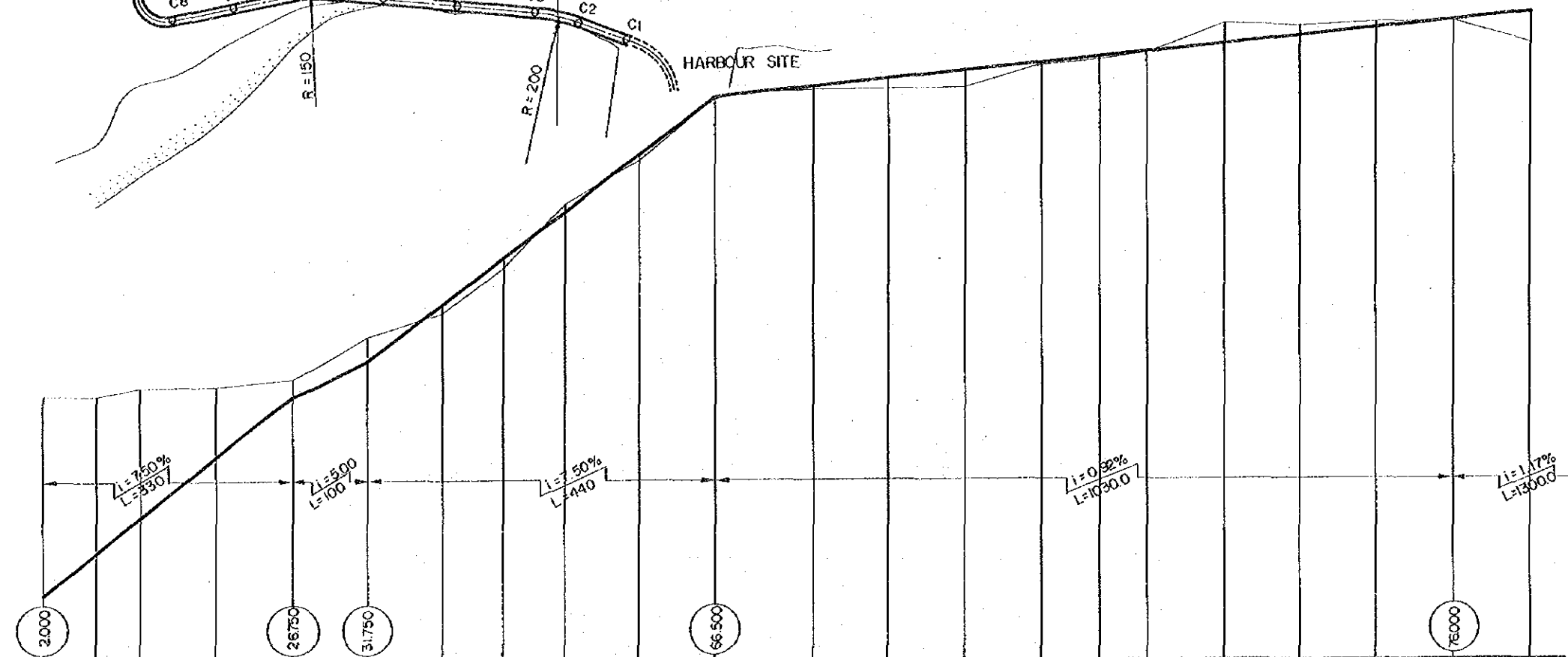
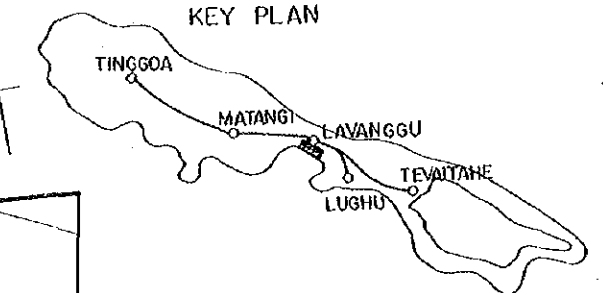
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PLANT SITE

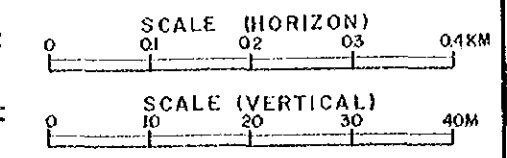
LAVANGGU



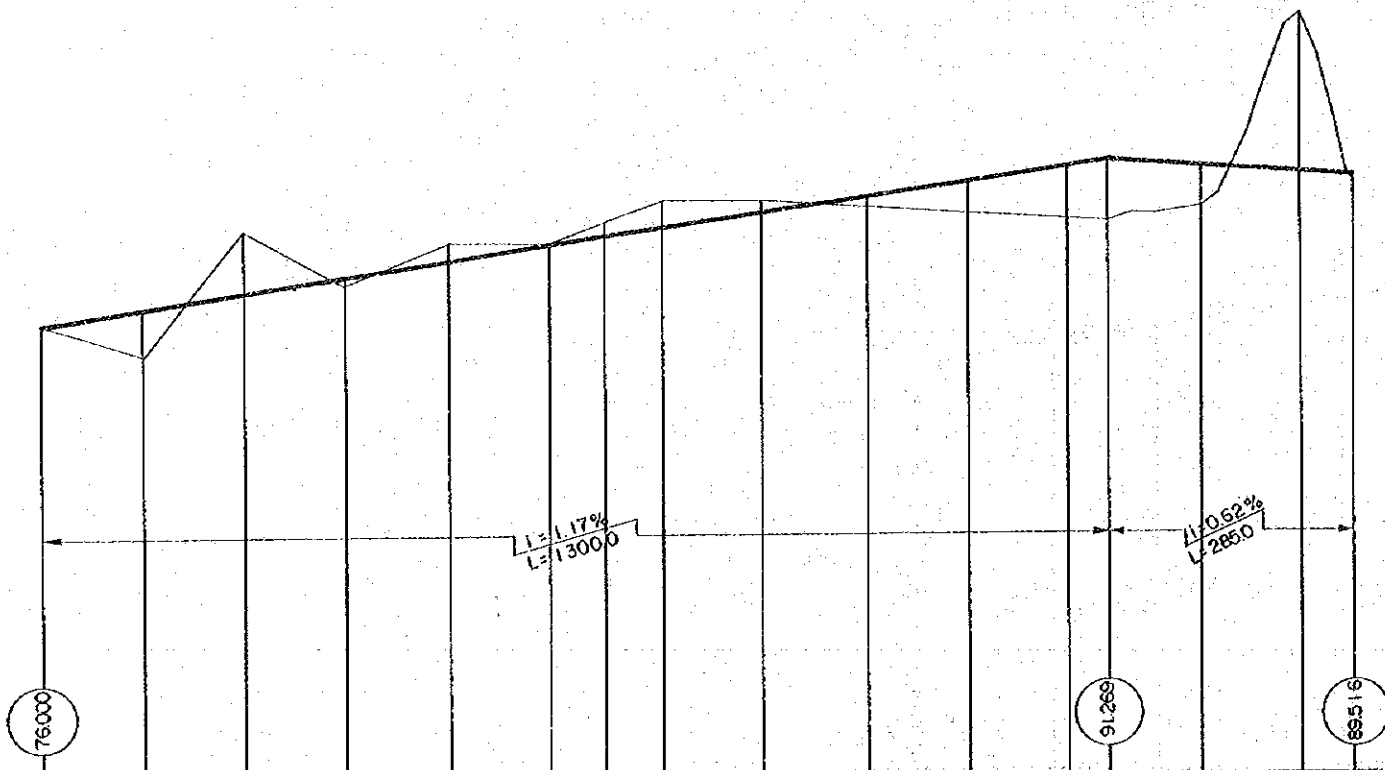
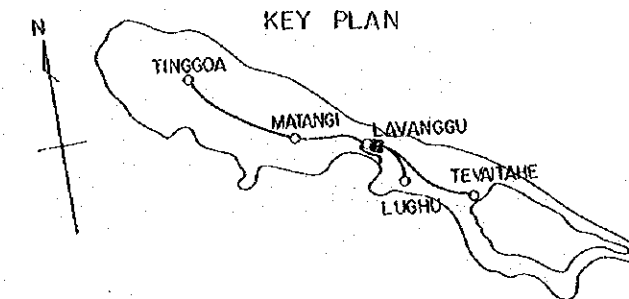
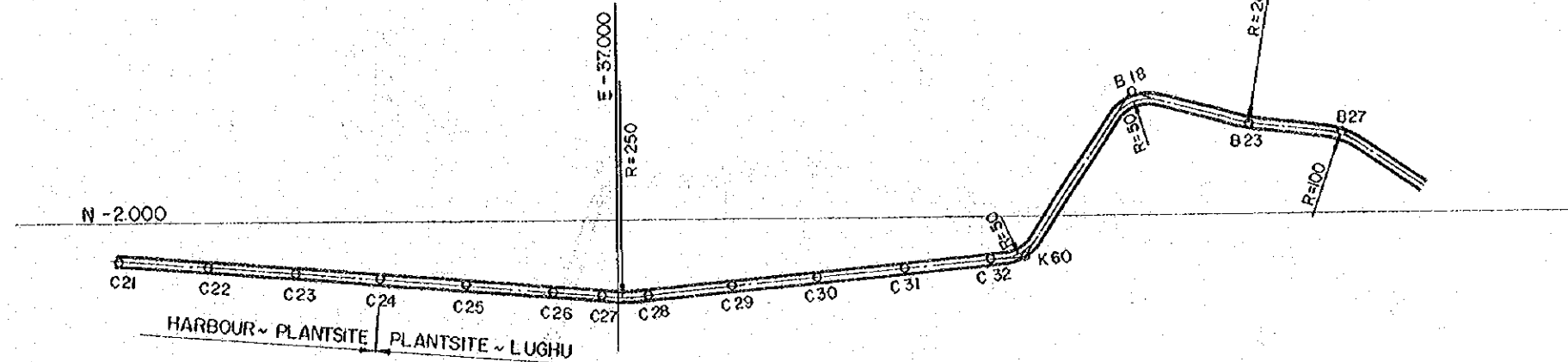
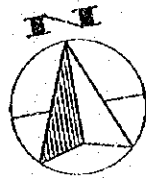
KEY PLAN



EMBANKMENT HEIGHT						1.650	1.970	0.290	12.190		0.600	1.100	2.100	0.100	0.400							4.440
CUTTING DEPTH	25000	19750	19250	18750	12250	13250	39550	45970	52290	60190	66500	67600	68600	69600	70600	71400	72000	73000	74000	75000	76000	77440
PROPOSED HEIGHT	2000	7250	11750	19250	26750	31750	39550	45970	52290	60190	66500	67600	68600	69600	70600	71400	72000	73000	74000	75000	76000	77440
GROUND HEIGHT	27000	27000	28000	28000	29000	35000	38000	44000	52000	59000	66500	67000	67500	67500	70500	71000	72000	76000	75500	76000	76000	75000
ADDED DISTANCE	0	70.0	150.0	230.0	330.0	430.0	530.0	610.0	690.0	800.0	900.0	1020.0	1130.0	1240.0	1350.0	1450.0	1490.0	1600.0	1710.0	1820.0	1930.0	2040.0
DISTANCE	0	70.0	600	1000	10000	10000	10000	8000	8000	11000	10000	12000	11000	11000	11000	8000	6000	11000	11000	11000	11000	11000
STATION	C-1	C-2	C-3	C-4	C-5	C-6	C-7	C-8	C-9	C-10	C-11	C-12	C-13	C-14	C-15	C-16	C-17	C-18	C-19	C-20	C-21	C-22
CURVE BAND						R=150		R=35			R=100					R=150						

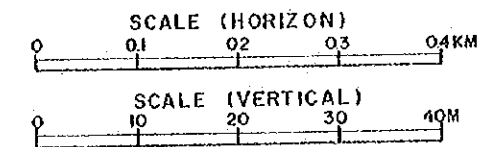


ROAD HARBOUR ~ PLANT SITE
PLAN AND PROFILE
 KM 0 - KM 2040
 SHEET NO. 19 in 31
 DATE -1976



EMBANKMENT HEIGHT		4.40		0.320					0.354	2.404	3.844	3.269	4.091		0.316
CUTTING DEPTH			6.120		2.240	0.800	2.008	3.216	1.776					1.576	
PROPOSED HEIGHT	75000	77440	78880	80320	81760	83200	83992	84784	85576	86368	87160	87952	88744	89536	89516
GROUND HEIGHT	75000	75000	85000	80000	84000	84000	86000	88000	88000	87300	86700	86300	86100	86600	89200
ADDED DISTANCE	1930.0	2040.0	2140.0	2240.0	120.0	240.0	305.0	370.0	480.0	600.0	720.0	830.0	880.0	990.0	1000.0
DISTANCE		11000	10000	10000	12000	12000	6500	6500	11000	12000	12000	11000	5000	11000	11000
STATION	C 21	C 22	C 23	C 24	C 25	C 26	C 27	C 28	C 29	C 30	C 31	C 32	K 60	K 62	B 18
CURVE BAND									R=250				R=50		R=50

HARBOUR ~ PLANTSITE | PLANTSITE ~ LUGHU

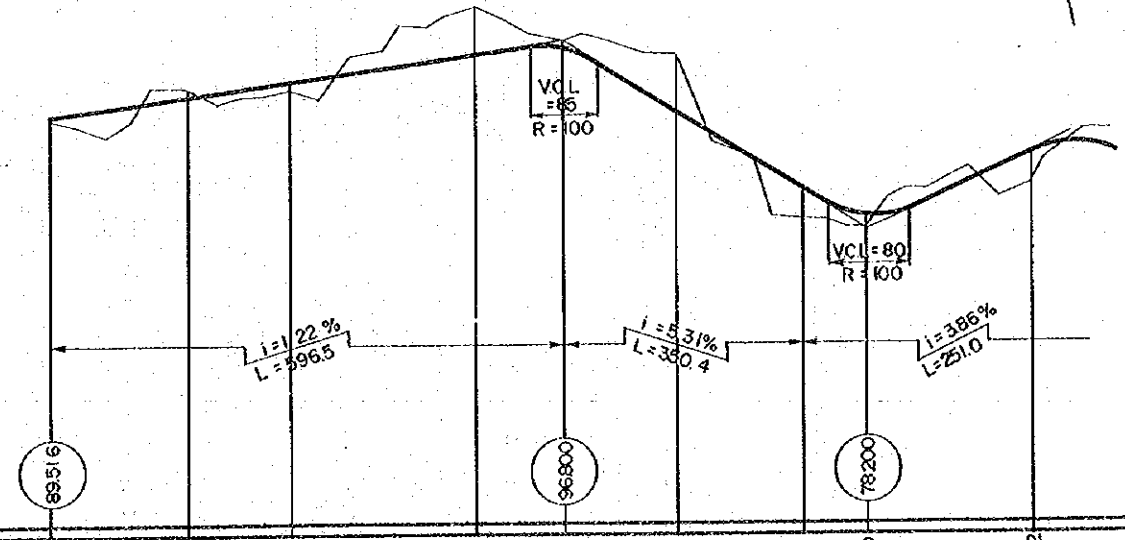
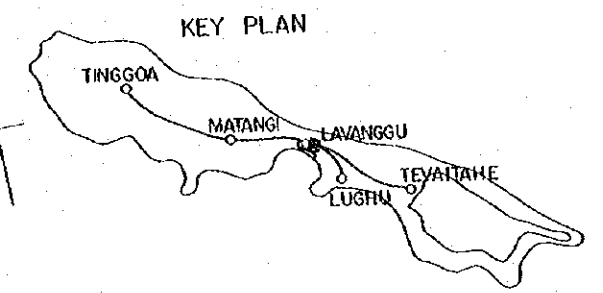
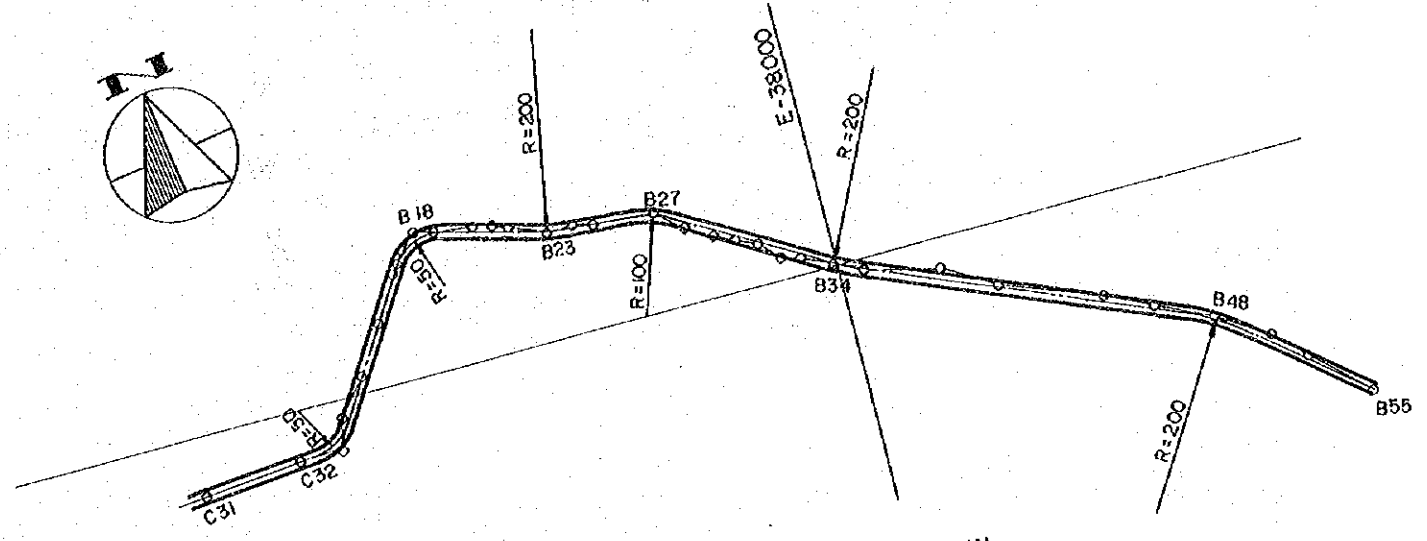


ROAD HARBOUR ~ PLANTSITE
ROAD PLANTSITE ~ LUGHU

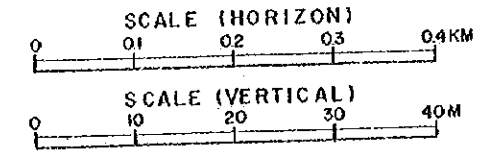
PLAN AND PROFILE
KM 1.930 - KM 2.240
KM 0 - KM 1.165

SHEET NO.
20 in 31

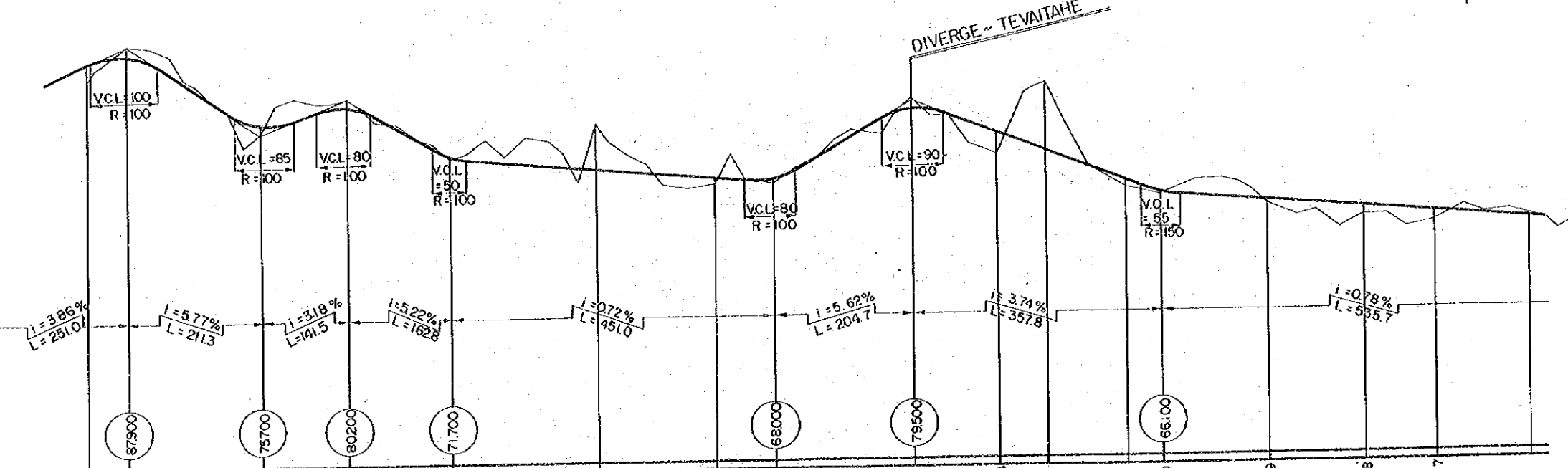
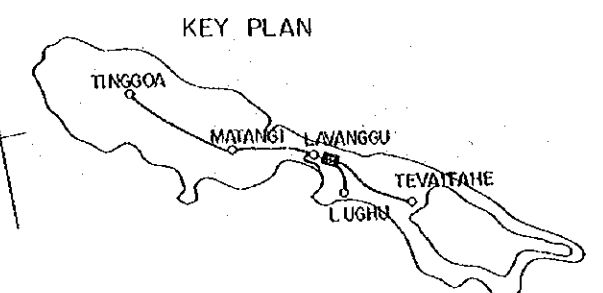
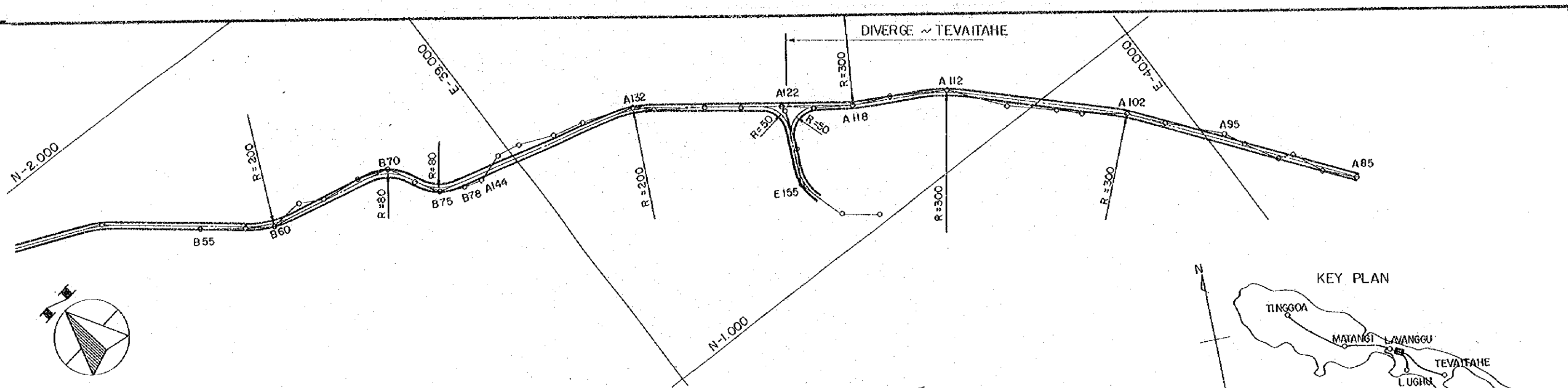
DATE - 1976



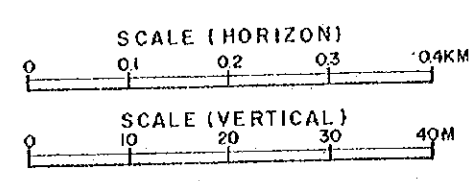
EMBANKMENT HEIGHT		0.316		0.814				3.108	1.300	2.832
CUTTING DEPTH										
PROPOSED HEIGHT										
GROUND HEIGHT										
ADDED DISTANCE		11.65.0		3.24.3		4.47.7		6.52.0	7.61.5	1.895.0
DISTANCE		65.00	159.30	123.40	204.30	109.50	133.50	142.00	74.90	187.40
STATION		B 18	B 19	B 20	B 21	B 22	B 23	B 24	B 25	B 26
		B 27	B 28	B 29	B 30	B 31	B 32	B 33	B 34	B 35
		B 36	B 37	B 38	B 39	B 40	B 41	B 42	B 43	B 44
		B 45	B 46	B 47	B 48	B 49	B 50	B 51	B 52	B 53
		B 54	B 55							
CURVE BAND		R=200		R=100	R=200		R=200			



ROAD. PLANTSITE ~ LUGHU
 PLAN AND PROFILE
 KM 1.165 - KM 2.299
 SHEET NO. 21 in 31
 DATE - 1976



EMBANKMENT HEIGHT	2.832		1.200		0.300		0.688	0.800		3.064	0.989	0.300	0.649	1.148	1.367		1.054
CUTTING DEPTH		1.500		1.200		1.637			1.500	9.136							1.054
PROPOSED HEIGHT	85.532	86.400	76.900	78.000	72.000	70.023	68.688	68.600	78.000	74.964	67.989	66.400	64.469	63.948	63.057	61.344	61.344
GROUND HEIGHT	82.700	87.900	75.700	80.200	71.700	76.400	68.000	68.000	79.500	71.900	67.000	66.100	64.300	62.700	61.700	62.400	62.400
ADDED DISTANCE	22.99.3	23.62.9	25.74.2	27.15.7	2.878.5	3.103.1	3.285.9	3.388.5	3.594.2	12.1.3	307.8	357.8	505.9	647.8	746.7	867.6	
DISTANCE	87.40	63.60	21.130	4.150	162.8	224.60	822.80	103.60	20470	12130	7220	11450	148.10	4.190	9690	12090	
STATION	B 55 B 56	B 57 B 58 B 59 B 60 B 61 B 62 B 63 B 64 B 65 B 66 B 67 B 68 B 69 B 70 B 71 B 72 B 73 B 74 B 75 B 76 B 77 B 78 A 144 A 143 A 142 A 141 A 140 A 139 A 138 A 137 A 136 A 135 A 134 A 133 A 132 A 131 A 130 A 129 A 128 A 127 A 126 A 125 A 124 A 123 A 122 A 120 A 119 A 118 A 117 A 116 A 115 A 114 A 113 A 112 A 111 A 110 A 109 A 108 A 107 A 106 A 105 A 104 A 103 A 102 A 101 A 100 A 99 A 98 A 97 A 96 A 95															
CURVE BAND		R=200	R=80	R=80		R=200			R=300	R=300		R=300					

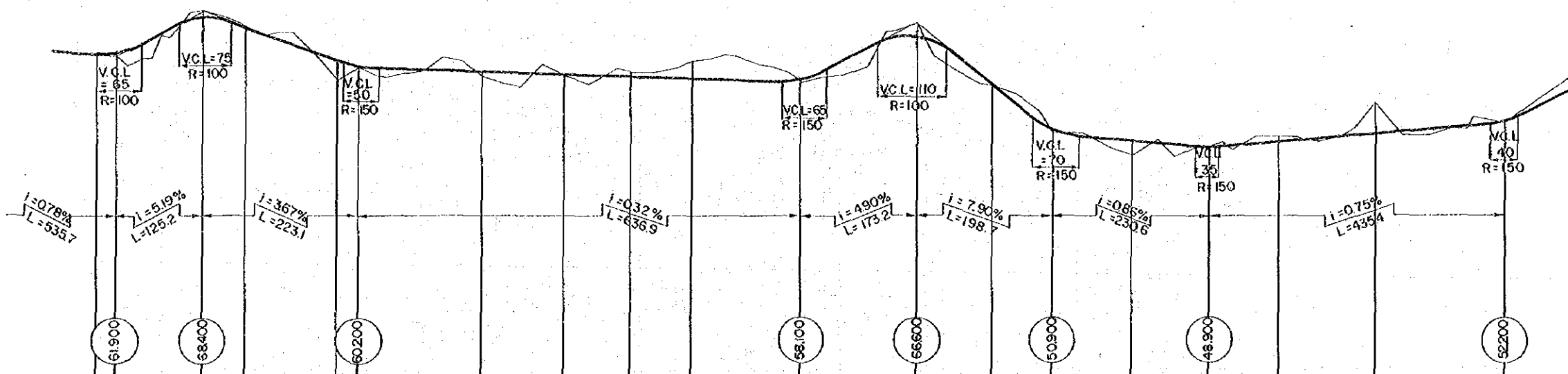
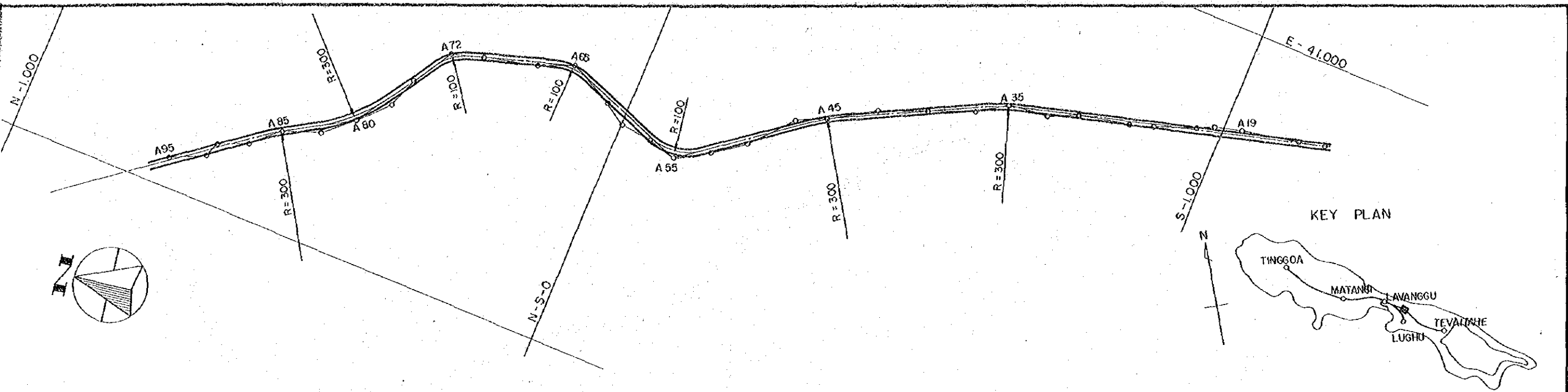


ROAD. PLANTSITE ~ LUGHU
 ROAD. DIVERGE ~ TEVATAHE

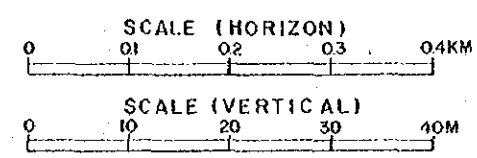
PLAN AND PROFILE
 KM 2.299 - KM 3.594
 KM 0 - KM 0.867

SHEET NO.
 22 in 31

DATE - 1976

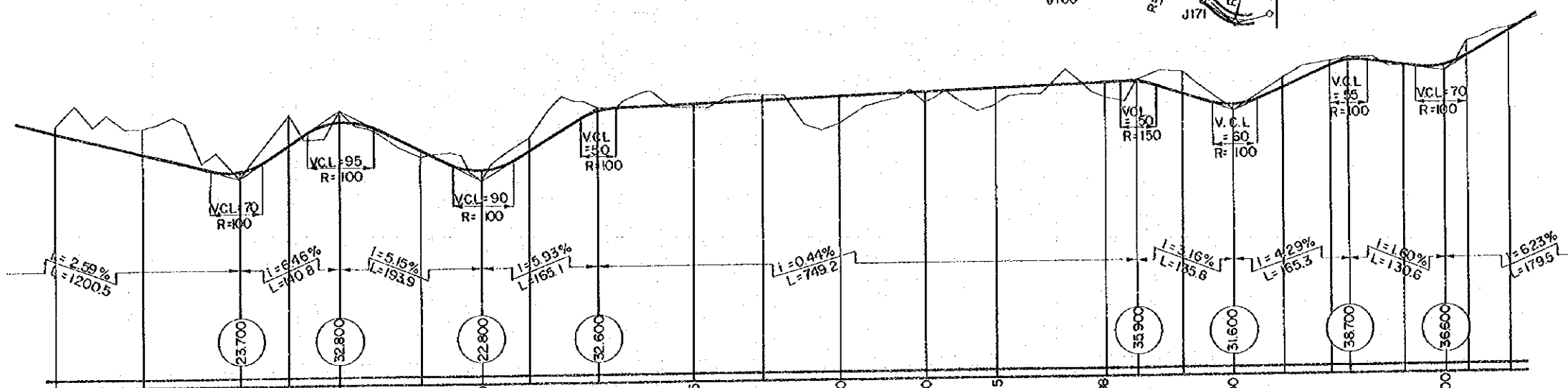
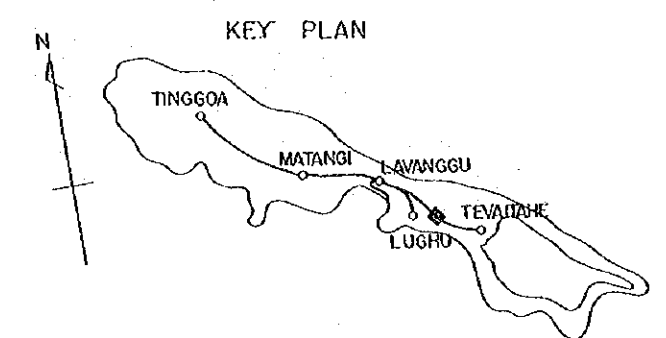
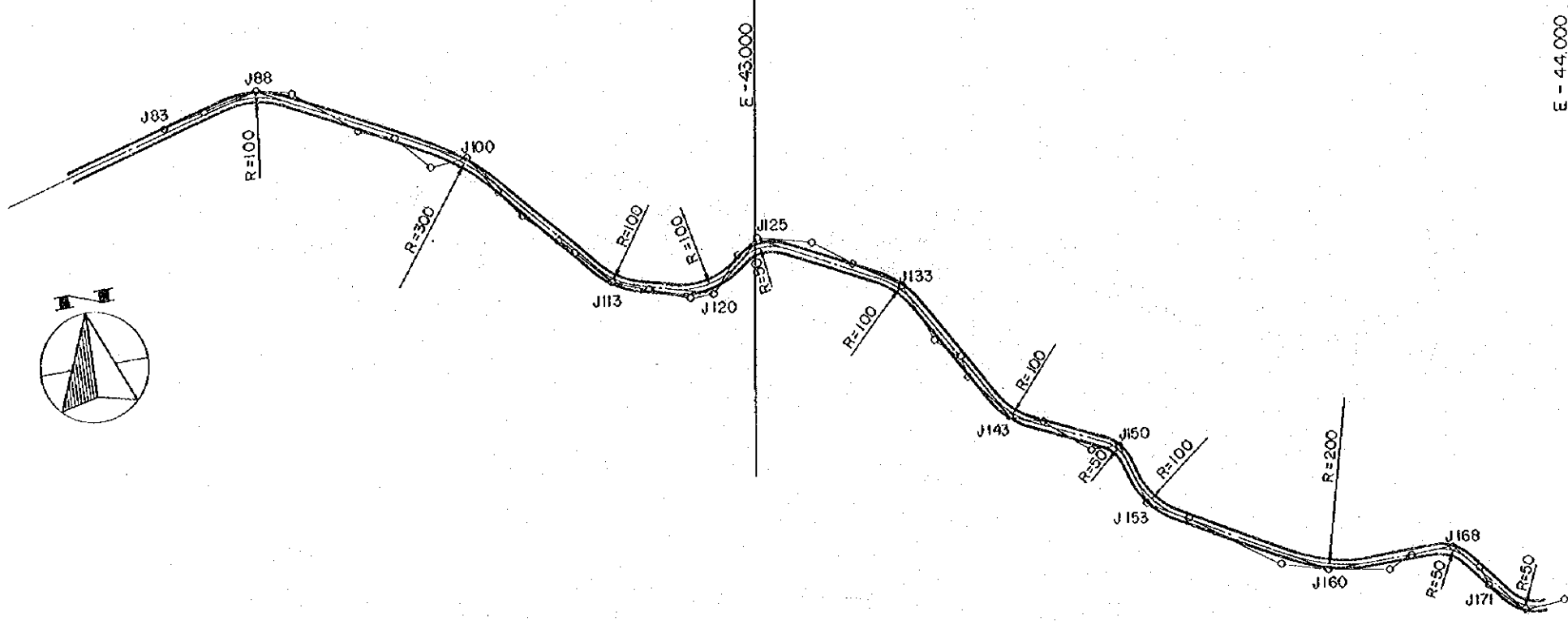


EMBANKMENT HEIGHT	0.300		3.32	0.200	0.630	0.250		0.500	0.258	0.700	2.175	0.100		0.400
CUTTING DEPTH	1.045		1.000											
PROPOSED HEIGHT	61.344	62.100	67.400	61.321	60.400	69.630	69.250	68.937	66.663	64.600	57.988	51.600	48.875	48.600
GROUND HEIGHT	62.400	61.900	68.400	60.200	69.000	69.000	69.000	69.437	66.600	64.900	57.700	50.900	47.700	48.900
ADDED DISTANCE	867.6	894.1	1019.3	1079.7	1212.2	1242.4	1420.7	1539.5	1637.3	1723.0	1879.3	2062.5	2161.9	2251.2
DISTANCE	2090	2650	12520	6040	13250	3020	17830	11880	9780	8670	15630	17320	10940	8930
STATION	A95	A94	A93	A92	A91	A90	A89	A88	A87	A86	A85	A84	A83	A82
CURVE BAND			R=300	R=300			R=100	R=100			R=100		R=300	R=300

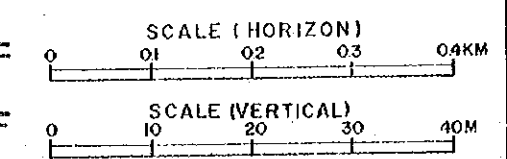


ROAD DIVERGE ~ TEVAITAE
 PLAN AND PROFILE
 KM 0.867 - KM 2.917
 SHEET NO. 23 in 31
 DATE - 1976

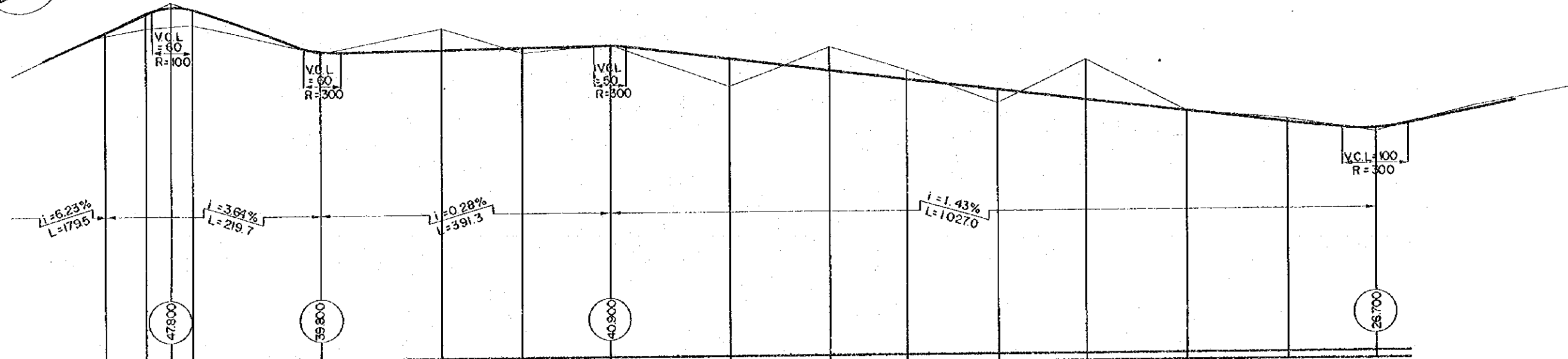
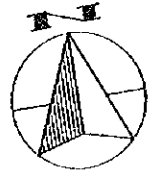
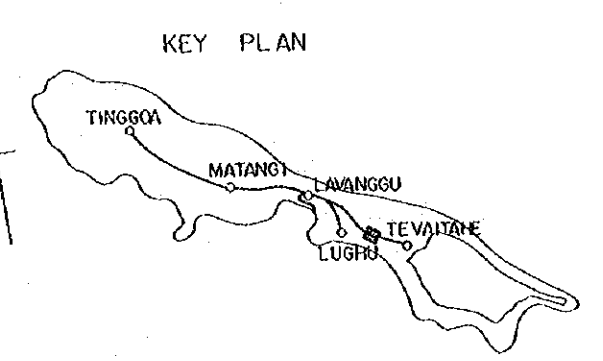
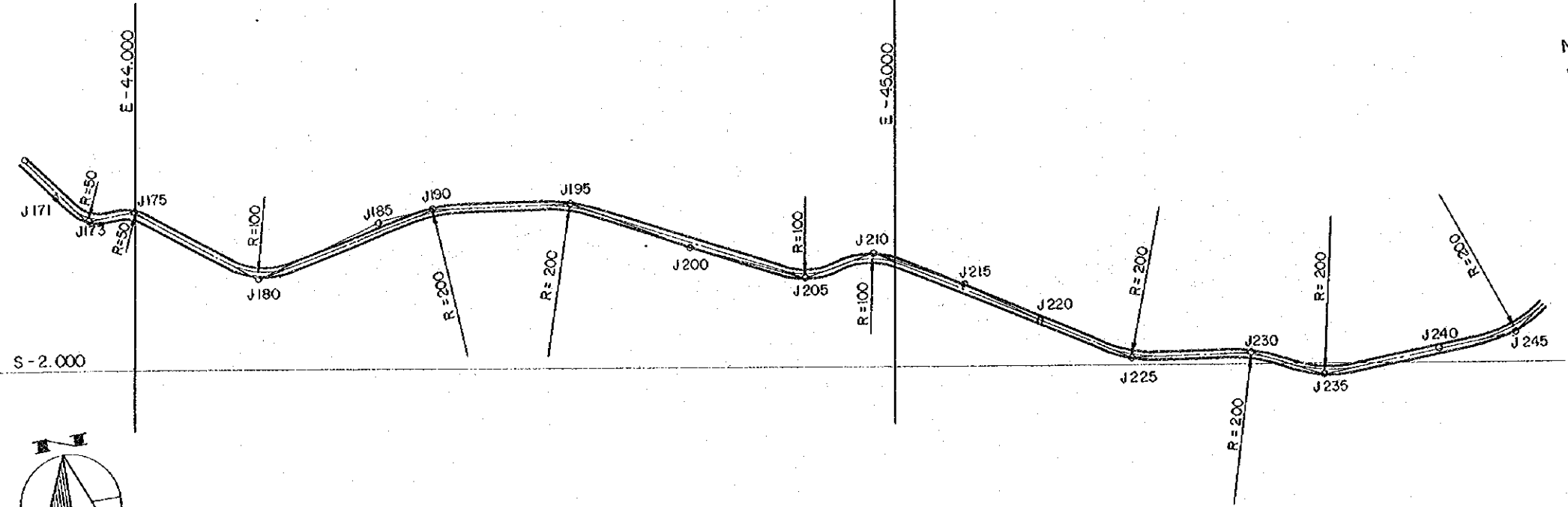
S-1.000



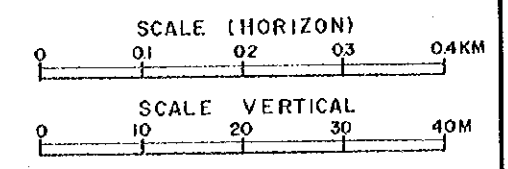
EMBANKMENT HEIGHT	CUTTING DEPTH	PROPOSED HEIGHT	GROUND HEIGHT	ADDED DISTANCE	DISTANCE	STATION	CURVE BAND
	0.588	50.412	31.000	4968.5	88	J 88	R=100
1.000	2.913	27.387	30.300	5085.3	87	J 87	R=100
		24.700	25.700	5223.5	94	J 94	R=300
		28.138	32.100	5292.2	96	J 96	R=300
		31.200	32.800	5364.3	99	J 99	R=300
0.797		27.197	26.400	5473.1	104	J 104	R=100
1.500		24.300	22.800	5558.2	107	J 107	R=100
	2.114	26.684	28.800	5623.7	112	J 112	R=100
	0.500	32.100	32.800	5723.3	118	J 118	R=100
		33.175	32.700	5854.2	125	J 125	R=50
		34.060	30.200	6055.3	133	J 133	R=100
		34.600	33.100	6178.0	138	J 138	R=100
		35.015	32.400	6272.3	143	J 143	R=100
		35.698	33.400	6427.4	149	J 149	R=50
		35.700	36.900	6472.5	151	J 151	R=100
		33.896	37.000	6536.8	154	J 154	R=100
		32.300	31.600	6608.3	156	J 156	R=200
		34.611	36.000	6678.5	158	J 158	R=200
		37.473	38.200	6745.2	160	J 160	R=200
		38.100	38.700	6773.6	161	J 161	R=200
		37.497	37.500	6848.8	164	J 164	R=50
		37.400	36.500	6904.2	166	J 166	R=50
	2.201	38.599	40.800	6936.3	169	J 169	R=50
	0.431	42.169	42.600	6993.6	171	J 171	R=50



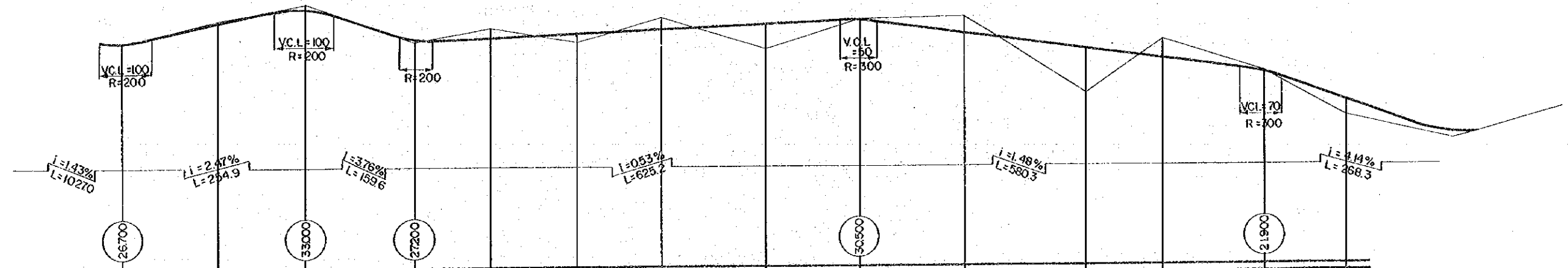
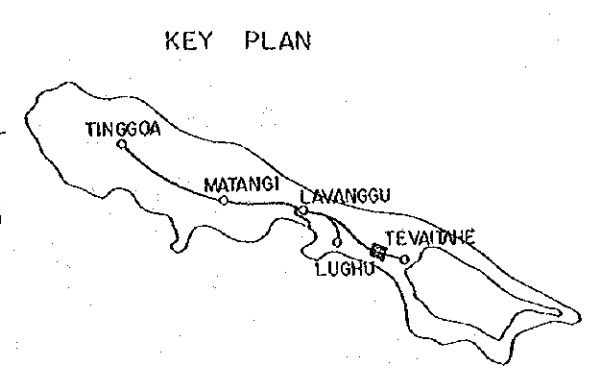
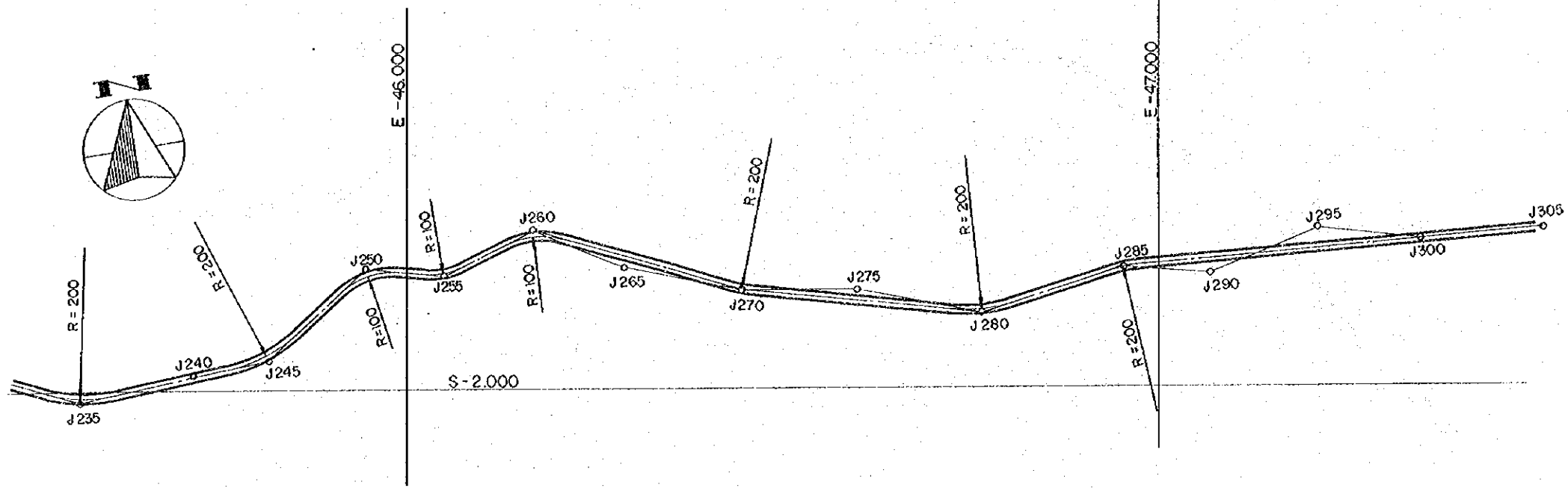
ROAD DIVERGE ~ TEVATAHE
 PLAN AND PROFILE
 KM 4968 - KM 6.993
 SHEET NO 25 in 31
 DATE 1976



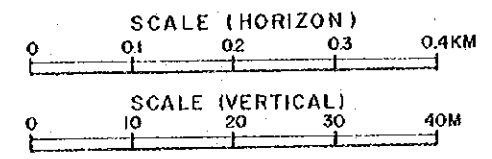
EMBANKMENT HEIGHT	1.868	2.176	0.500	0.549	4.368	2.114	0.700
CUTTING DEPTH	0.431	0.900		3.452	0.200	1.403	0.223
PROPOSED HEIGHT	42.169	45.888	40.100	40.248	38.669	33.714	27.400
GROUND HEIGHT	42.600	44.000	39.800	43.700	34.300	35.400	26.700
ADDED DISTANCE	6993.6	7053.3	7303.8	7470.7	7576.2	7695.1	7864.2
DISTANCE	5730	5970	3080	3990	79.8	166.9	105.50
STATION	J 171	J 173	J 174	J 175	J 180	J 185	J 190
CURVE BAND	R=50	R=50	R=100	R=200	R=200	R=100	R=100



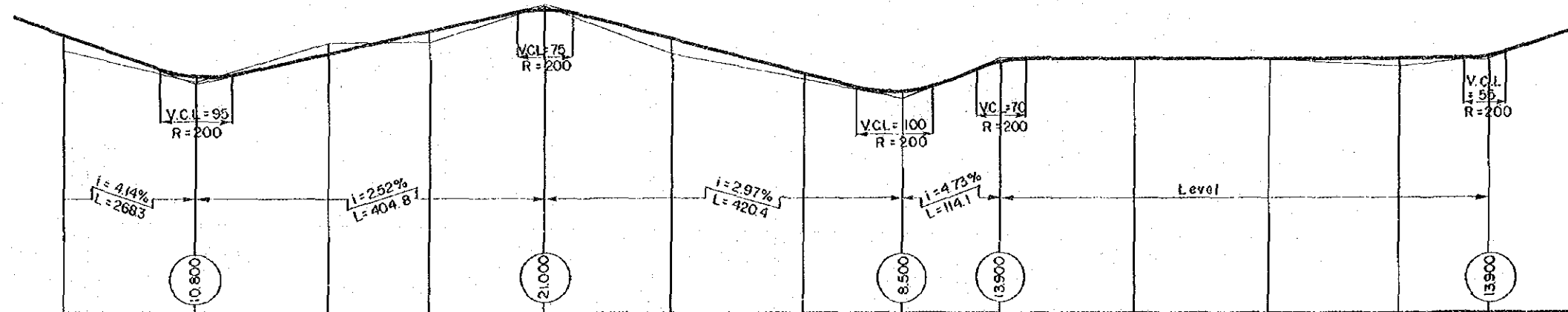
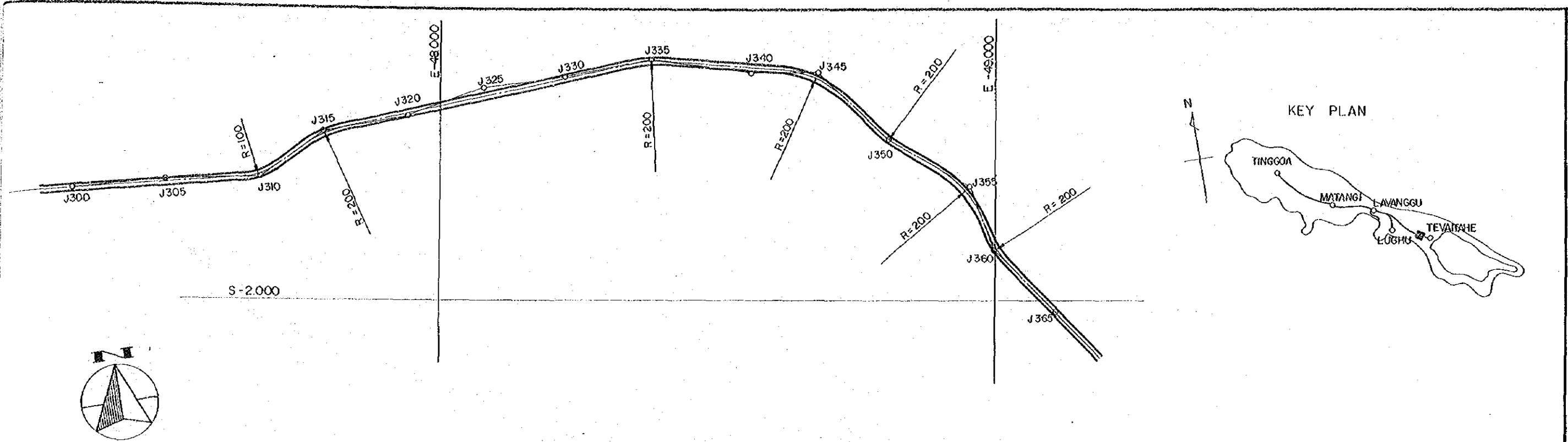
ROAD DIVERGE ~ TEVAITAE
 PLAN AND PROFILE
 KM 6993 - KM 8722
 SHEET NO. 26 in 31
 DATE -1976



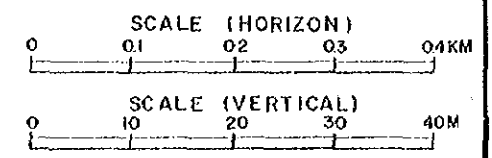
EMBANKMENT HEIGHT	0.700		0.300	1.651	1.392		4.072		7.310		2.260
CUTTING DEPTH		0.403	0.900	1.651		1.988	0.200	1.726	4.245	0.300	
PROPOSED HEIGHT	27.400	23.997	22.100	27.500	27.749	28.392	30.300	28.274	25.710	21.600	17.060
GROUND HEIGHT	26.700	30.400	33.000	27.200	29.400	27.000	25.700	30.500	18.400	21.900	14.800
ADDED DISTANCE	872.1	866.9	897.0	913.6	923.8	936.1	947.4	962.2	1006.3	1019.6	1045.3
DISTANCE	115.70	34.80	120.10	15.960	102.2	122.70	117.90	148.8	151.50	177.2	15.20
STATION	J 235	J 240	J 245	J 250	J 255	J 260	J 265	J 270	J 275	J 280	J 285
CURVE BAND	R=200	R=200	R=100	R=100	R=100	R=100	R=200	R=200	R=200	R=200	R=200



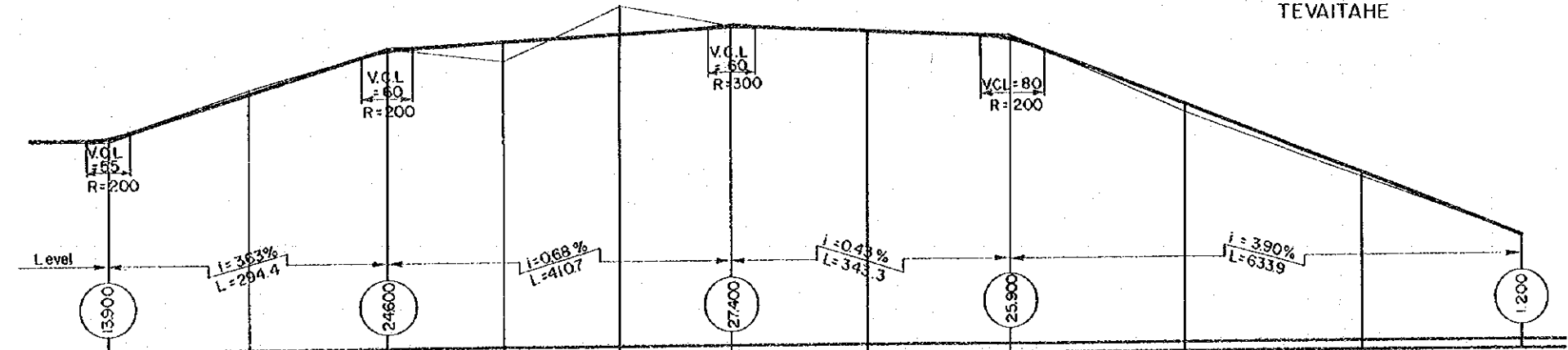
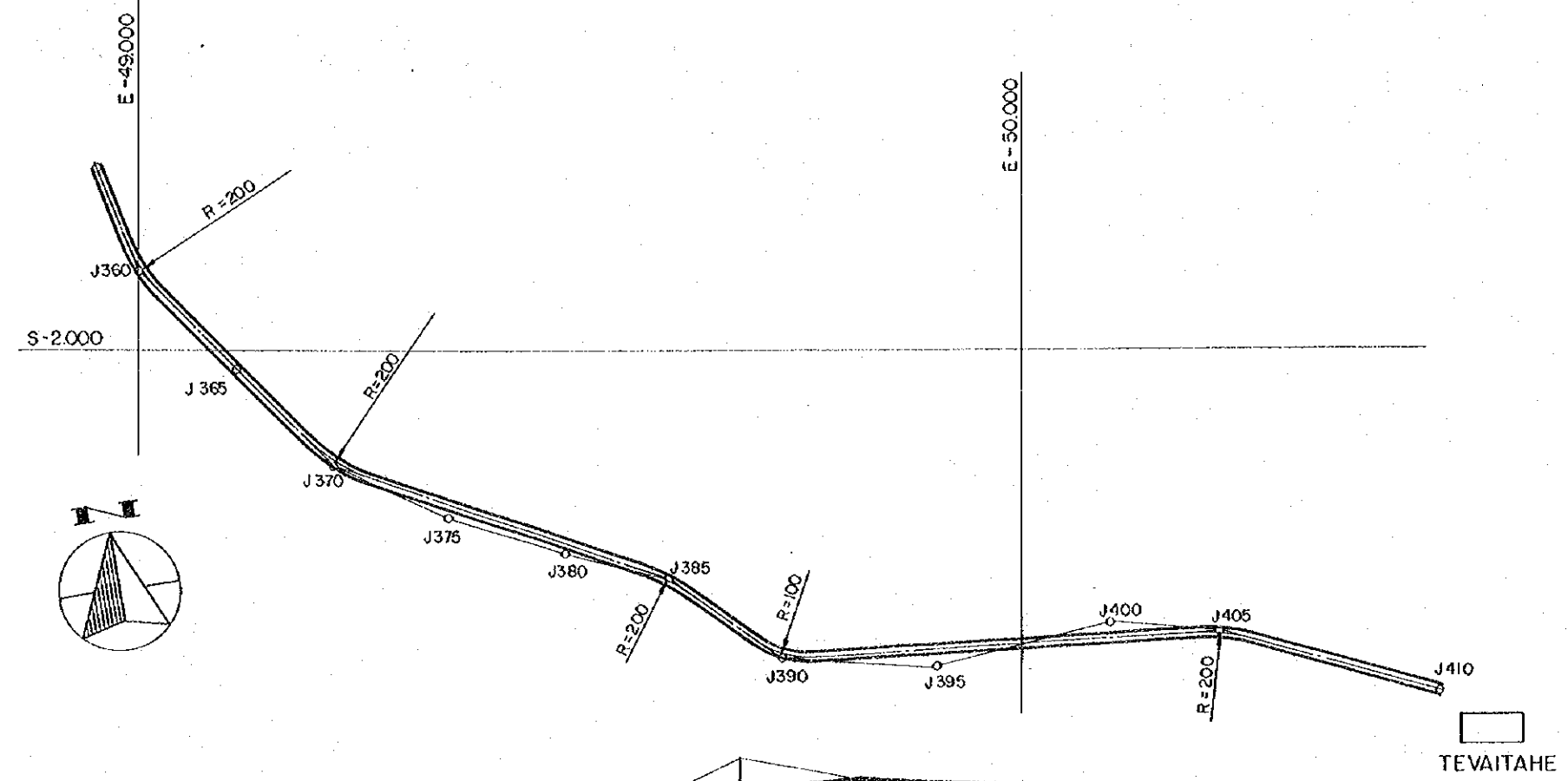
ROAD: DIVERGE ~ TEVAITHE
 PLAN AND PROFILE
 KM 8.722 - KM 10.457
 SHEET NO. 27 in 31
 DATE -1976



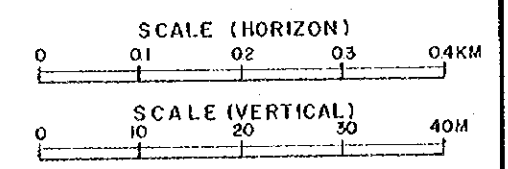
EMBANKMENT HEIGHT	2.260	0.900	0.994	2.239	0.795	1.000	0.400	0.100	1.100	0.100
CUTTING DEPTH			1.275	0.800						
PROPOSED HEIGHT	7.060	11.700	14.625	17.184	20.200	16.559	11.895	9.500	13.500	14.200
GROUND HEIGHT	4.800	10.800	15.900	16.200	21.000	14.300	11.100	8.500	13.900	14.100
ADDED DISTANCE	10457.3	10610.4	10765.1	10882.5	11015.2	11166.9	11325.4	11435.6	11549.7	11710.7
DISTANCE	1520	153.10	15470	117.40	132.70	151.90	159.60	110.020	114.10	161.00
STATION	J 300	J 305	J 310	J 315	J 320	J 325	J 330	J 335	J 340	J 345
CURVE BAND			R=100	R=200			R=200	R=200	R=200	R=200



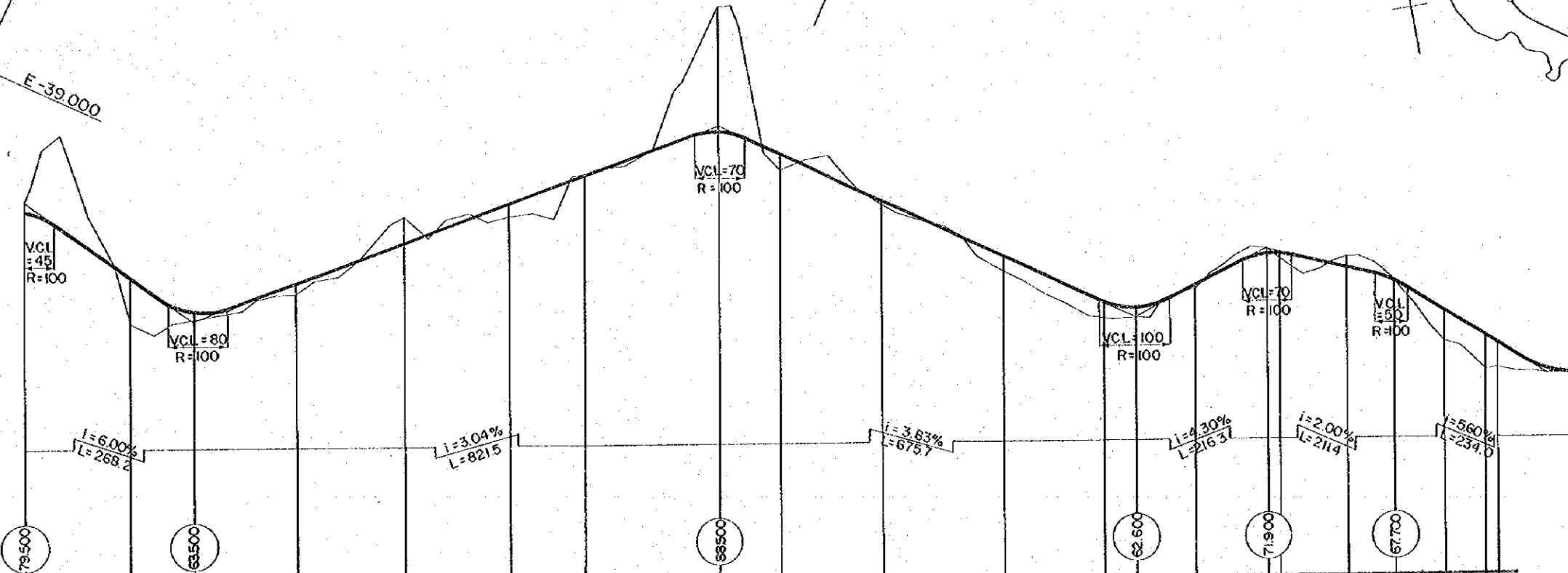
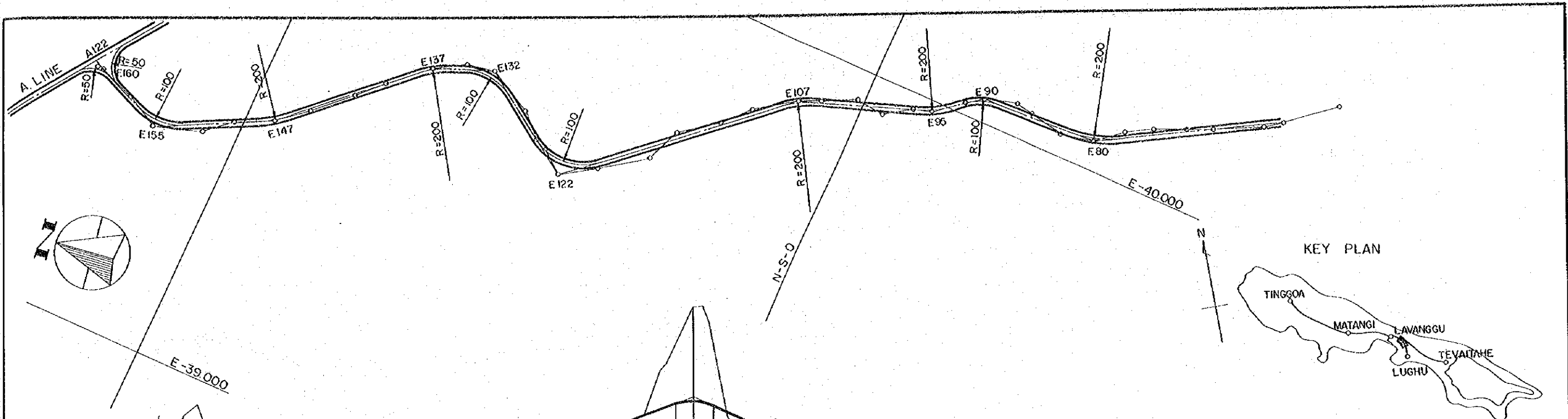
ROAD. DIVERGE ~ TEVAITAHE
 PLAN AND PROFILE
 KM 10.457 - KM 12.127
 SHEET NO. 28 in 31
 DATE - 1976



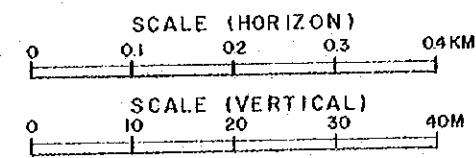
EMBANKMENT HEIGHT	0.100			2.348			0.080		1.062	0.510	
CUTTING DEPTH		0.420	0.200		3.422	0.100	0.400				
PROPOSED HEIGHT	14.200	19.380	24.400	25.548	26.478	27.300	25.500	17.562	9.010	1.200	
GROUND HEIGHT	14.100	19.800	24.600	23.200	29.900	27.400	26.600	16.500	8.500	1.200	
ADDED DISTANCE	12127.7	12277.3	12422.1	12557.7	12698.6	12832.8	13000.3	13176.1	13387.2	13603.7	13810.0
DISTANCE	8800	14860	14480	13550	14050	13420	16750	17580	21110	21850	20650
STATION	J 360	J 365	J 370	J 375	J 380	J 385	J 390	J 395	J 400	405	J 410
CURVE BAND	R=200		R=200		R=200		R=100			R=200	



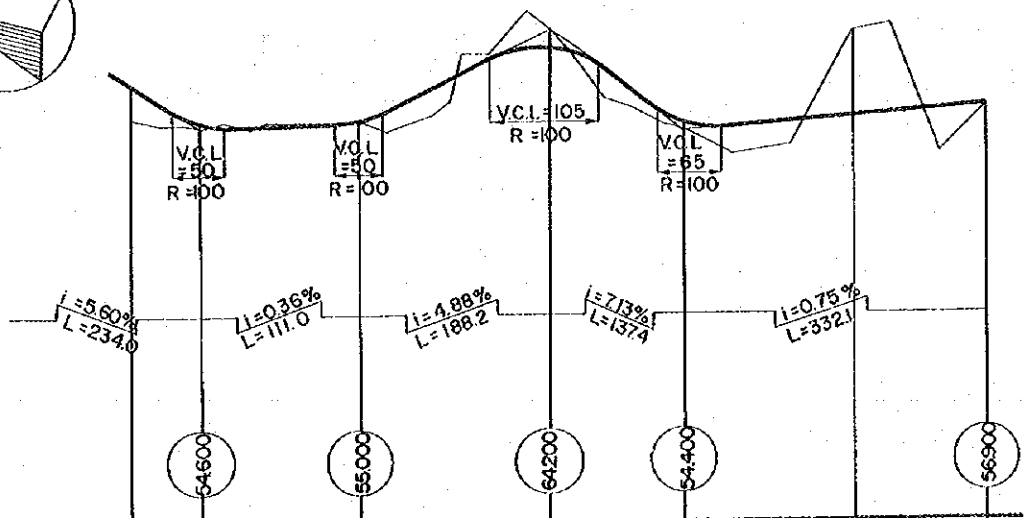
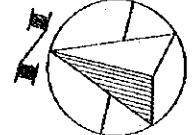
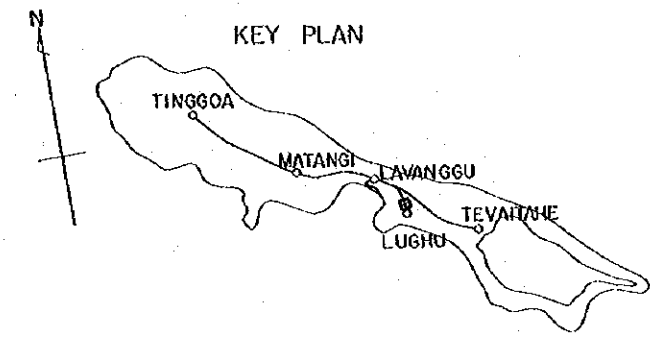
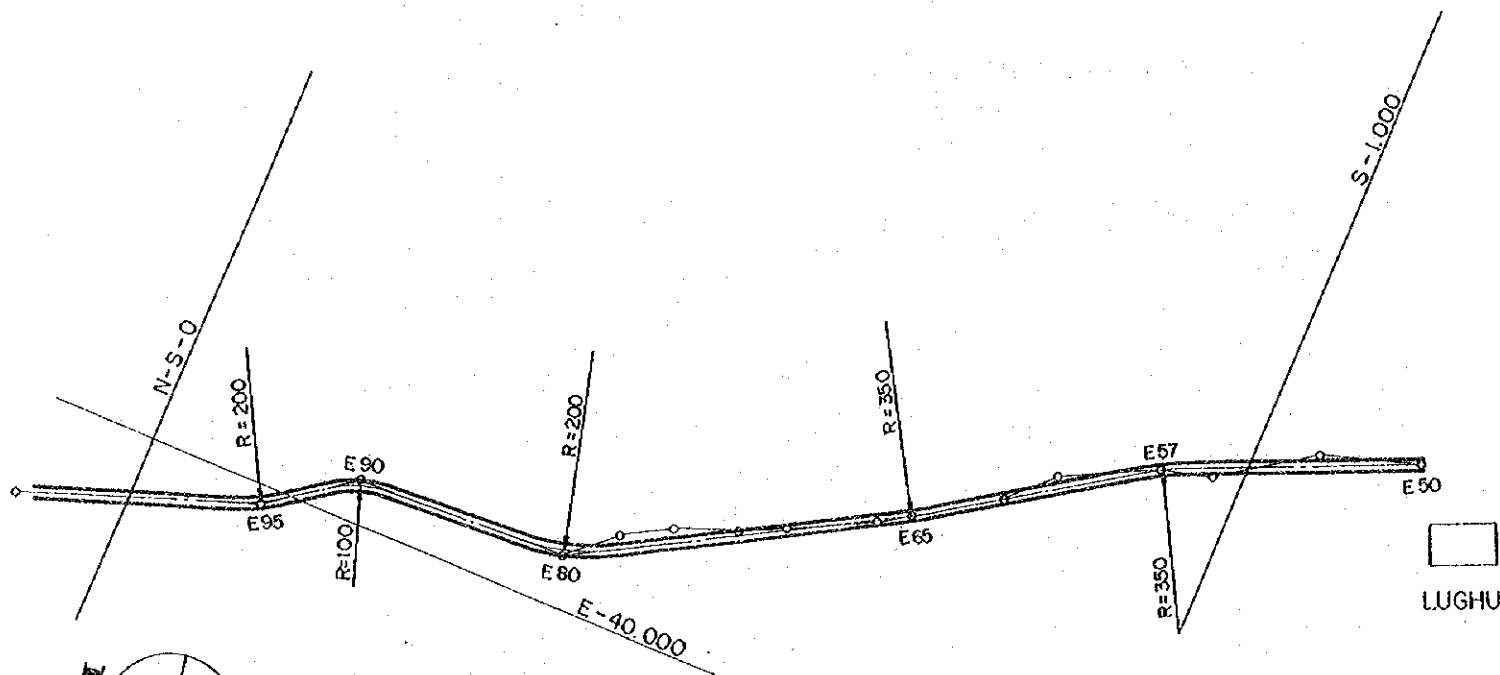
ROAD DIVERGE ~ TEVAITAHE
 PLAN AND PROFILE
 KM 12.127 - KM 13.810
 SHEET NO. 29 in 31
 DATE - 1976



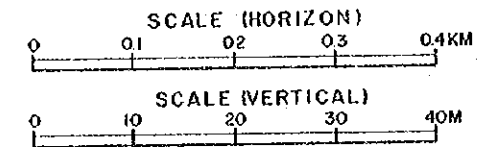
EMBANKMENT HEIGHT		6.539	1.300	1.468	1.309		1.688	0.189	1.804	1.853	1.300	0.186	0.752		4.259	1.000	3.467	
CUTTING DEPTH	1.500																	
PROPOSED HEIGHT	78000	63539	64800	66368	73432	78409	82017	84788	78489	70904	64553	63300	66796	71100	69242	67000	63459	
GROUND HEIGHT	79500	63000	63500	66900	77400	77100	82800	85100	78300	69100	62700	66600	71900	70700	67700	69200	65400	
ADDED DISTANCE	3594.2	3756.3	3862.4	4023.1	4189.2	4353.3	4477.6	4693.9	4787.9	4950.4	5142.0	5305.7	5453.5	5575.9	5710.0	5866.5	5932.5	
DISTANCE	204.70	162.10	106.10	160.70	66.10	64.10	124.30	206.30	104.00	162.50	191.60	163.70	101.00	22.40	107.40	76.30	79.20	
STATION	122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180	E 157	E 156	E 155	E 154	E 153	E 151	E 150	E 149	E 148	E 147	E 146	E 145	E 144	E 143	E 142	E 141	E 140
CURVE BAND		R=100	R=200	R=200	R=100	R=100	R=200	R=200	R=100	R=200	R=200	R=100	R=100	R=200	R=100	R=200		



ROAD PLANTSITE ~ LUGHU
PLAN AND PROFILE
 KM 3594 - KM 5.951
 SHEET NO.
 30 in 31
 DATE - 1976



EMBANKMENT HEIGHT	3.476	0.600	0.300	0.900		
CUTTING DEPTH				1.800		8.027
PROPOSED HEIGHT	58.967	58.200	58.300	62.400	58.300	58.900
GROUND HEIGHT	55.400	54.600	55.000	64.200	54.400	56.900
ADDED DISTANCE	5951.9	6021.3	6132.3	6320.5	6467.9	6631.0
DISTANCE	1940	6940	11100	188.2	13740	17310
STATION	E 80	E 79	E 78	E 77	E 76	E 75
	E 74	E 73	E 72	E 71	E 70	E 69
	E 68	E 67	E 66	E 65	E 64	E 63
	E 62	E 61	E 60	E 59	E 58	E 57
	E 56	E 55	E 54	E 53	E 52	E 51
	E 50					
CURVE BAND	R=200			R=350		



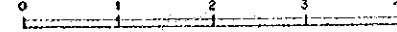
ROAD. PLANTSITE ~ LUGHU
 PLAN AND PROFILE
 KM 5951 - KM 6790
 SHEET NO.
 31 in 31
 DATE - 1976

LOCATION OF ALUMINA HANDLING PORT

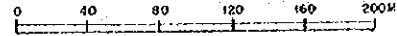
RENNELL ISLAND
LAVANGGU VILLAGE SITE SHEET No. 1 in 6

KEY PLAN

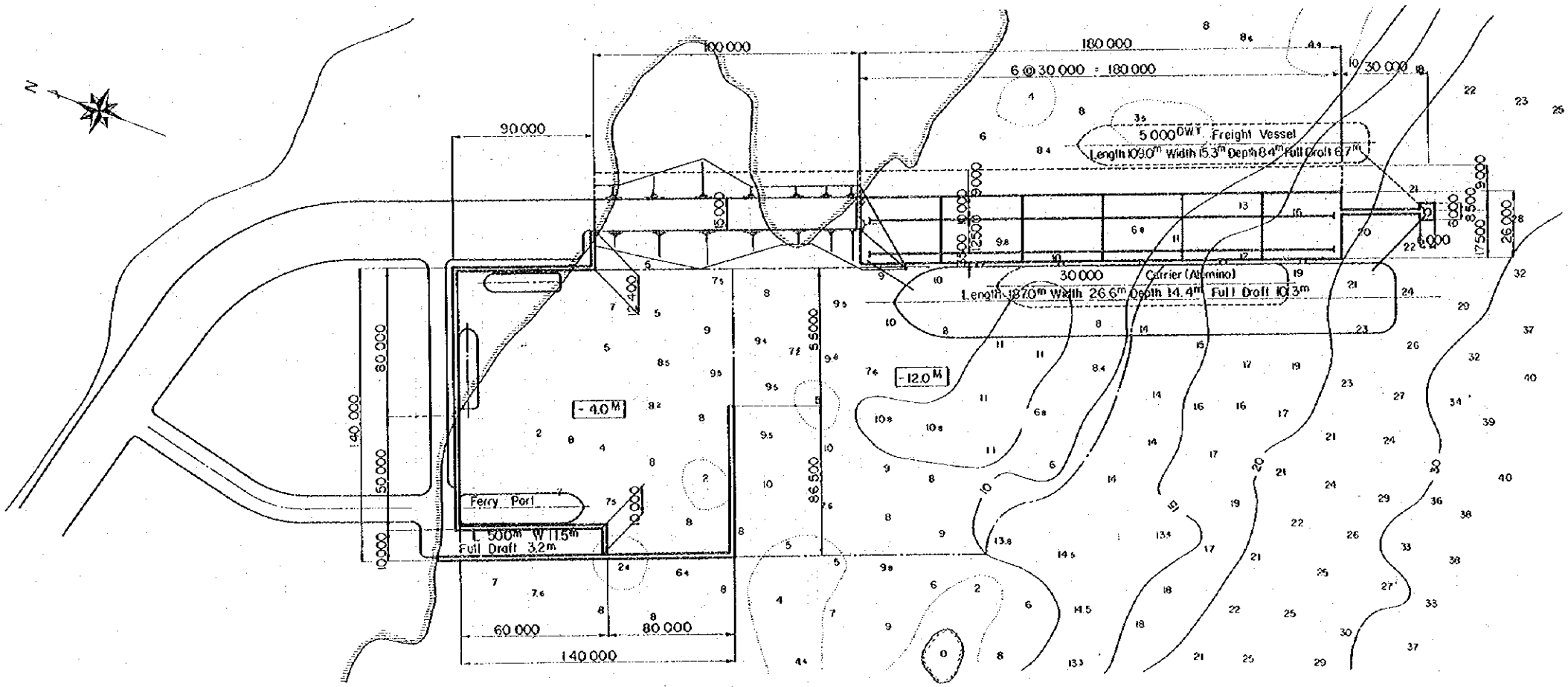
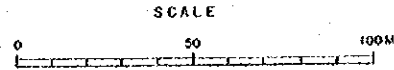
SCALE



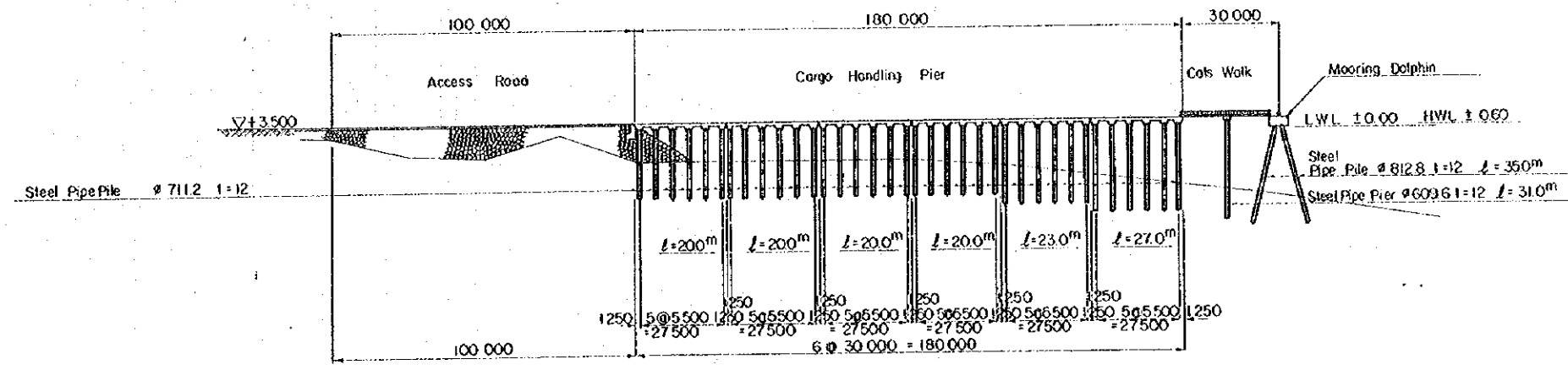
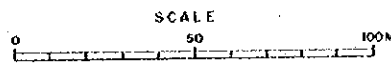
SCALE



GENERAL PLAN
SHEET No. 2 in 6

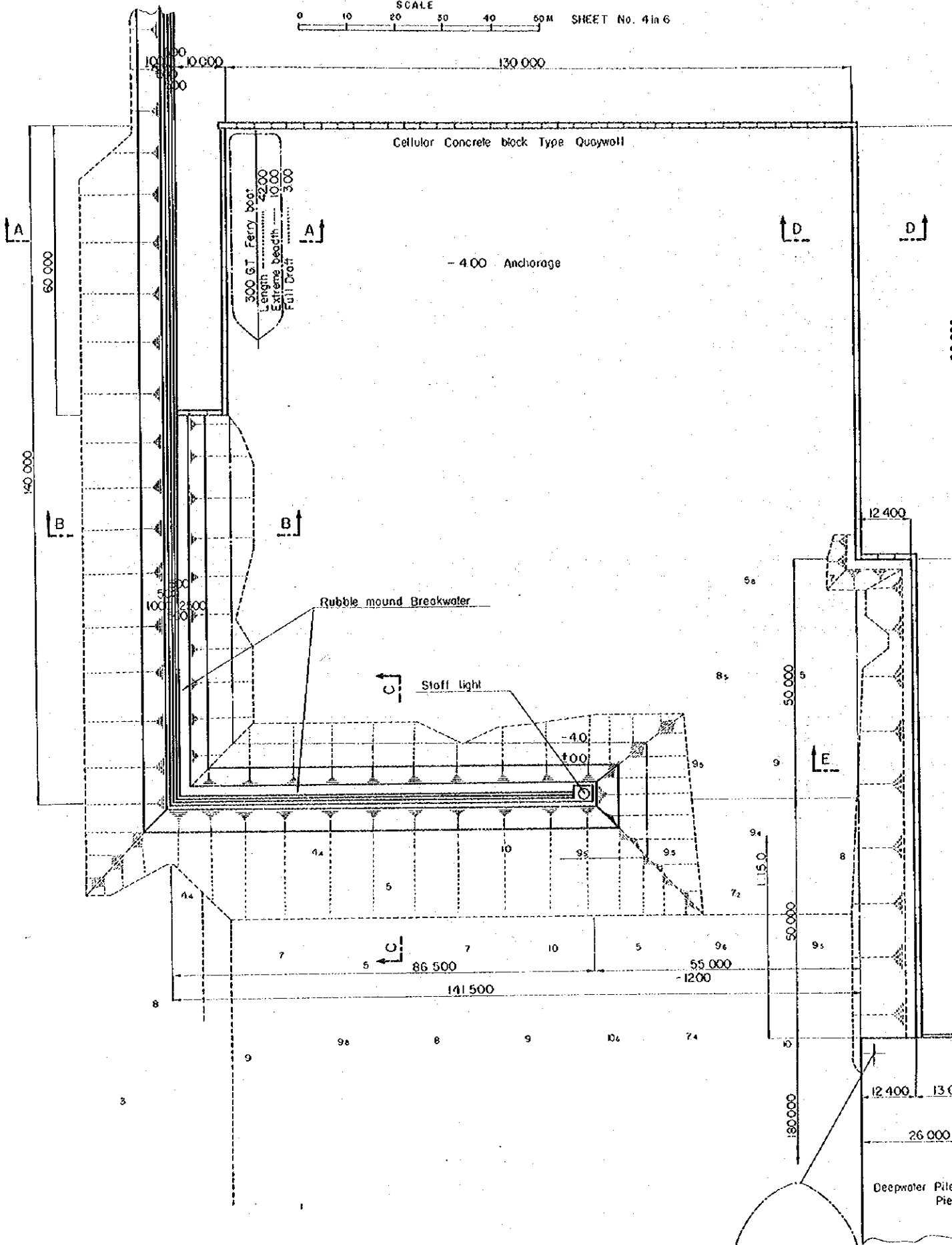


SIDE VIEW



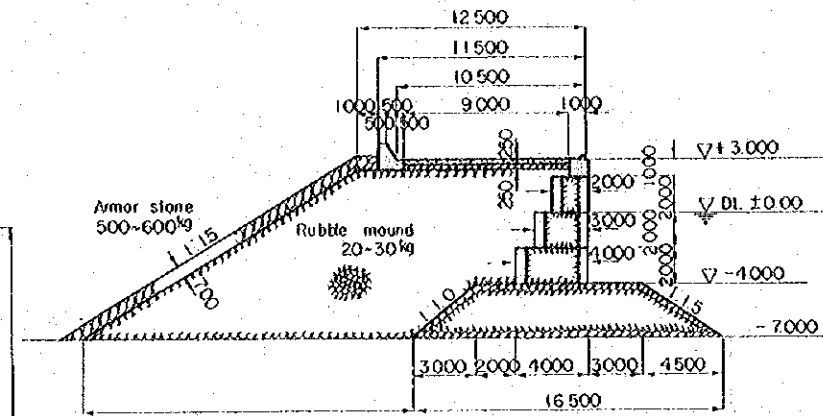
PLAN OF SMALL CRFT BERTH

SCALE 0 10 20 30 40 50M SHEET No. 4 in 6



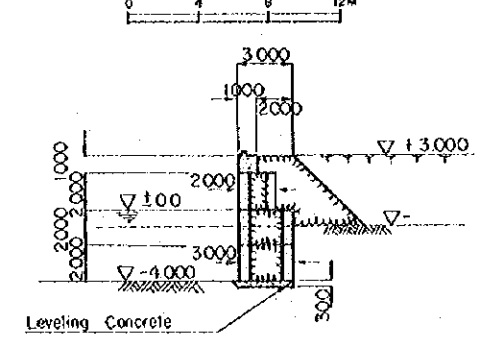
A - A SECTION

SCALE 0 4 8 12M



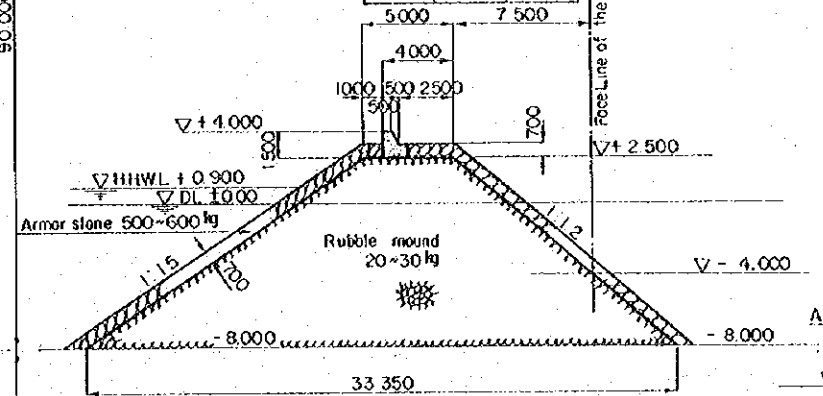
D - D SECTION

SCALE 0 4 8 12M



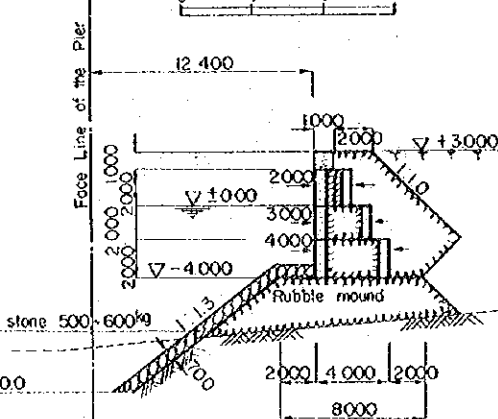
B - B SECTION

SCALE 0 4 8 12M



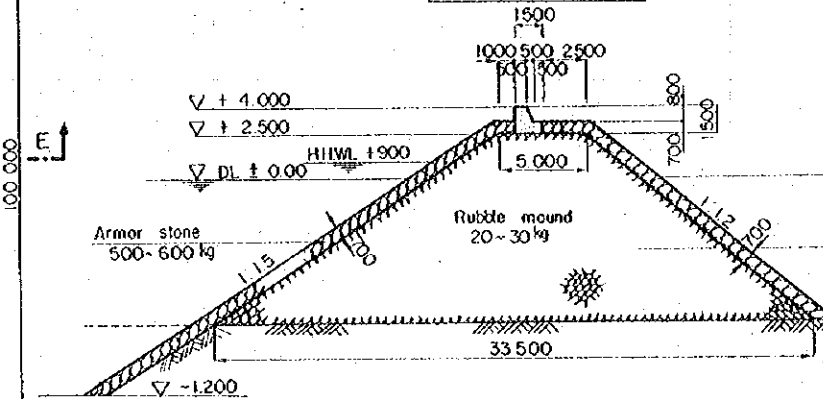
E - E SECTION

SCALE 0 4 8 12M



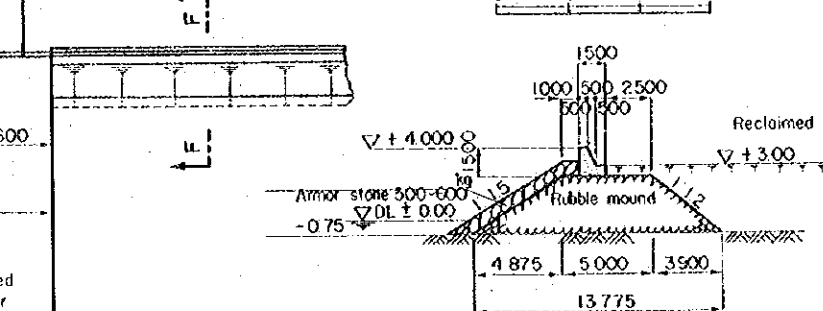
C - C SECTION

SCALE 0 4 8 12M



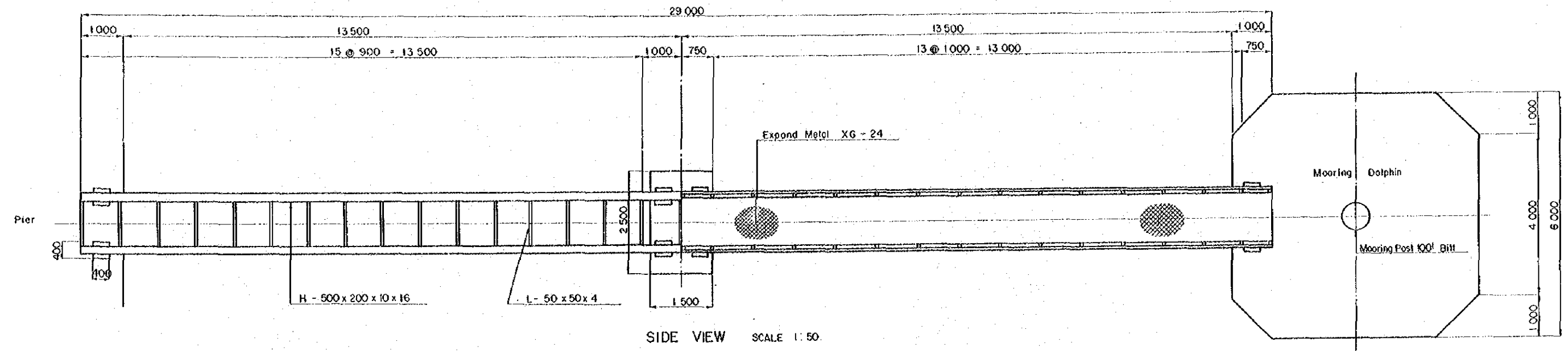
F - F SECTION

SCALE 0 4 8 12M

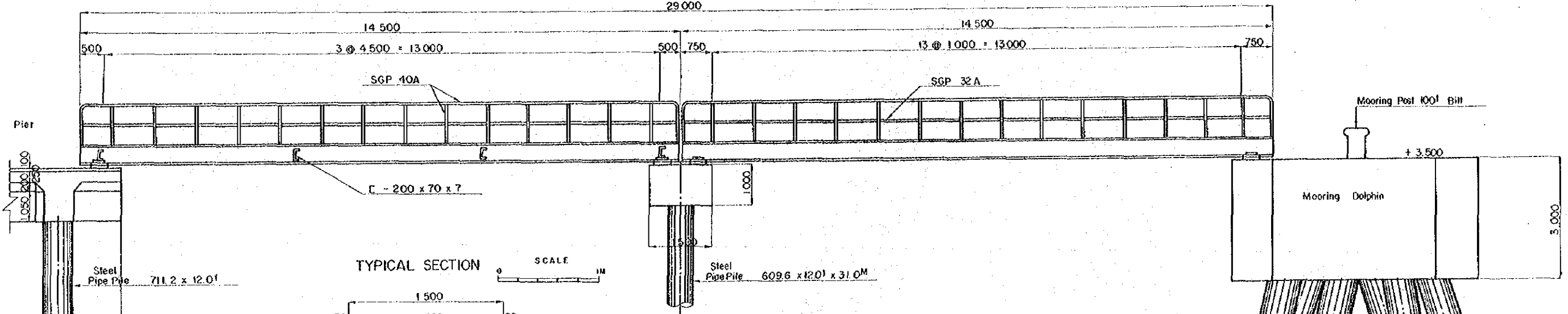


CATS WALK SHEET No. 5 of 6

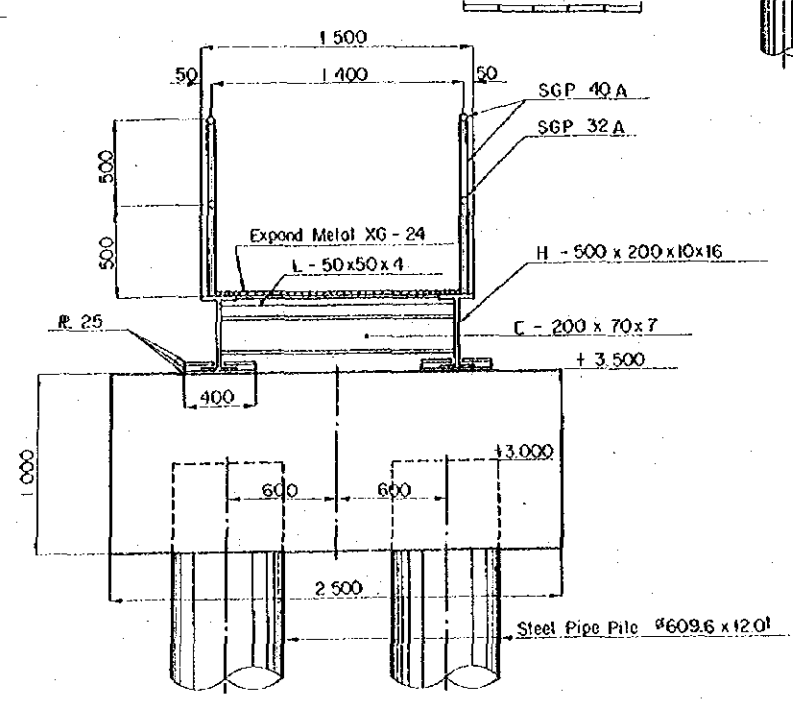
PLAN SCALE 1:50



SIDE VIEW SCALE 1:50



TYPICAL SECTION SCALE 1:10



Steel Pipe Pile ϕ 812.8 x 12.0' x 35.0 M

MOORING DOLPHIN

SHEET No. 6 in 6

