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REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS & HIGHWAYS

Feasibility Study

on

The Rural Road Network Development Project

FINAL REPORT (Volume 23)

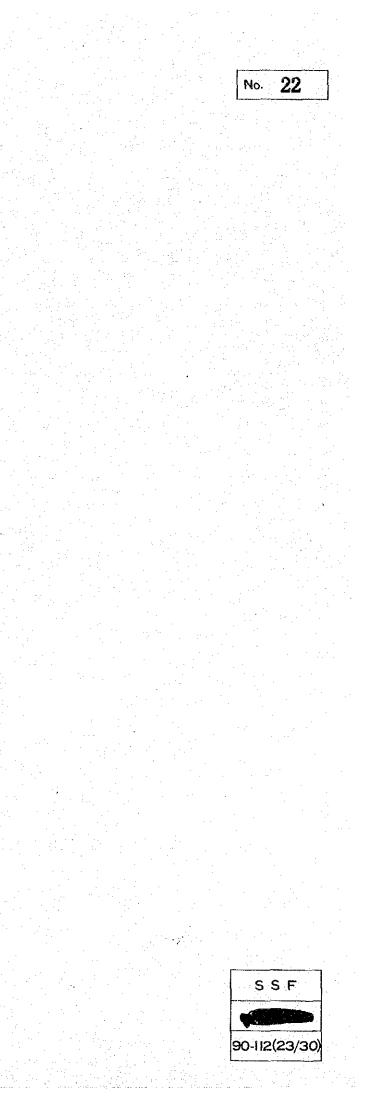
DRAWINGS FOR ROAD PROJECTS

IN

THE PROVINCE OF LEYTE

OCTOBER, 1990

JAPAN INTERNATIONAL COOPERATION AGENCY



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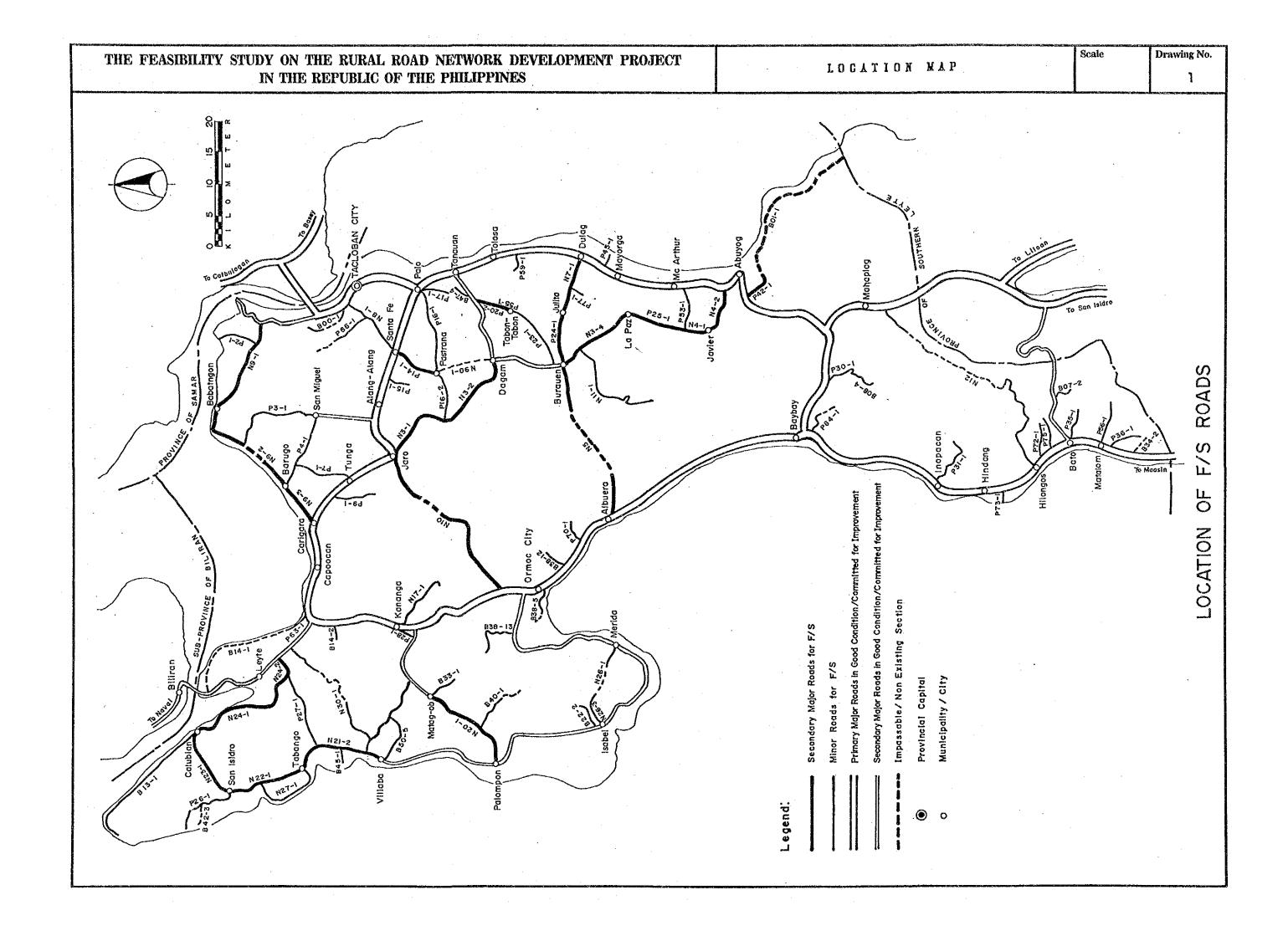
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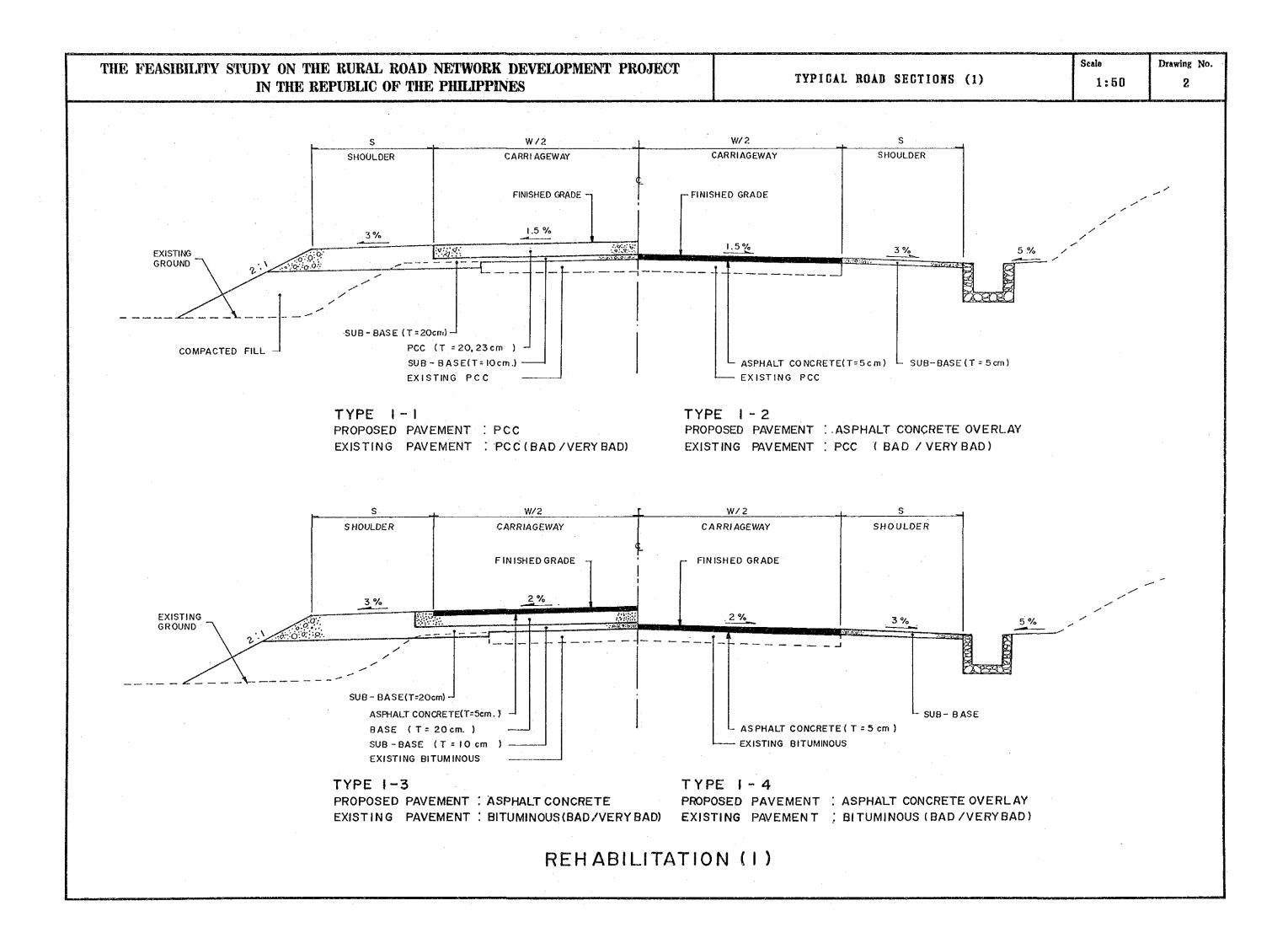


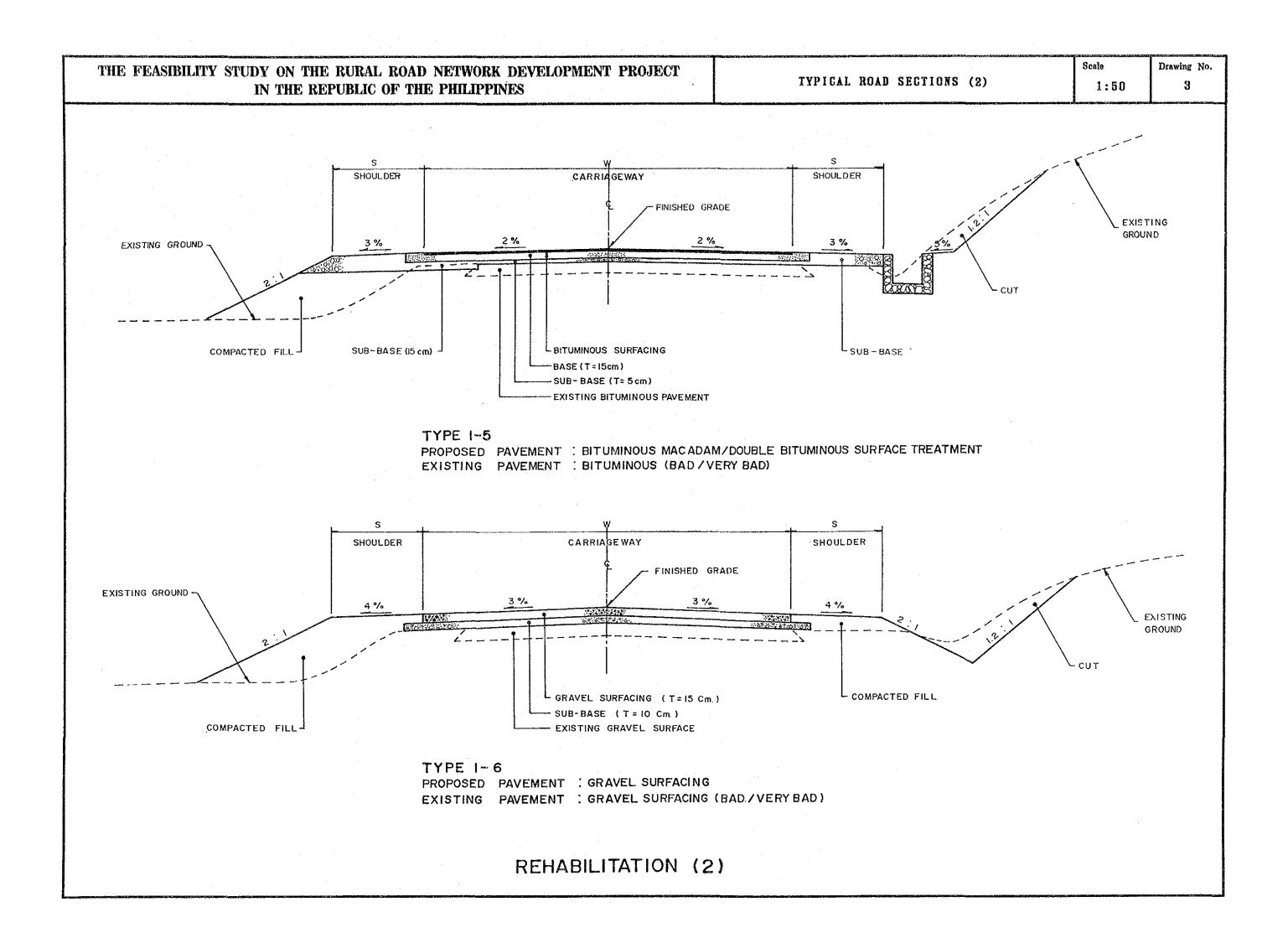
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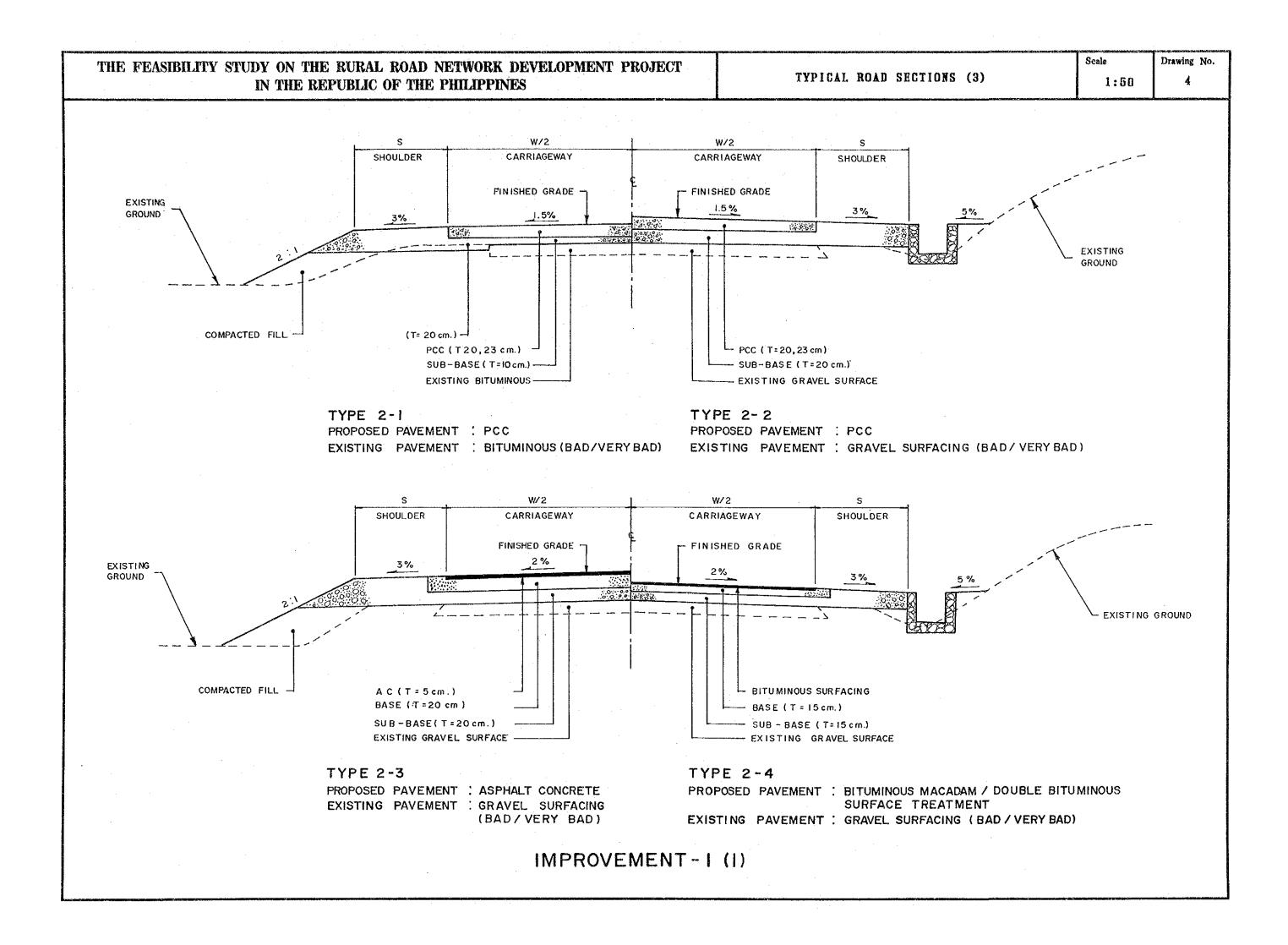
	LOCATION MAP	
2 to 9	TYPICAL ROAD SECTIONS	
10 to 87	PRESENT CONDITION AND PROPOSED	IMPROVEME

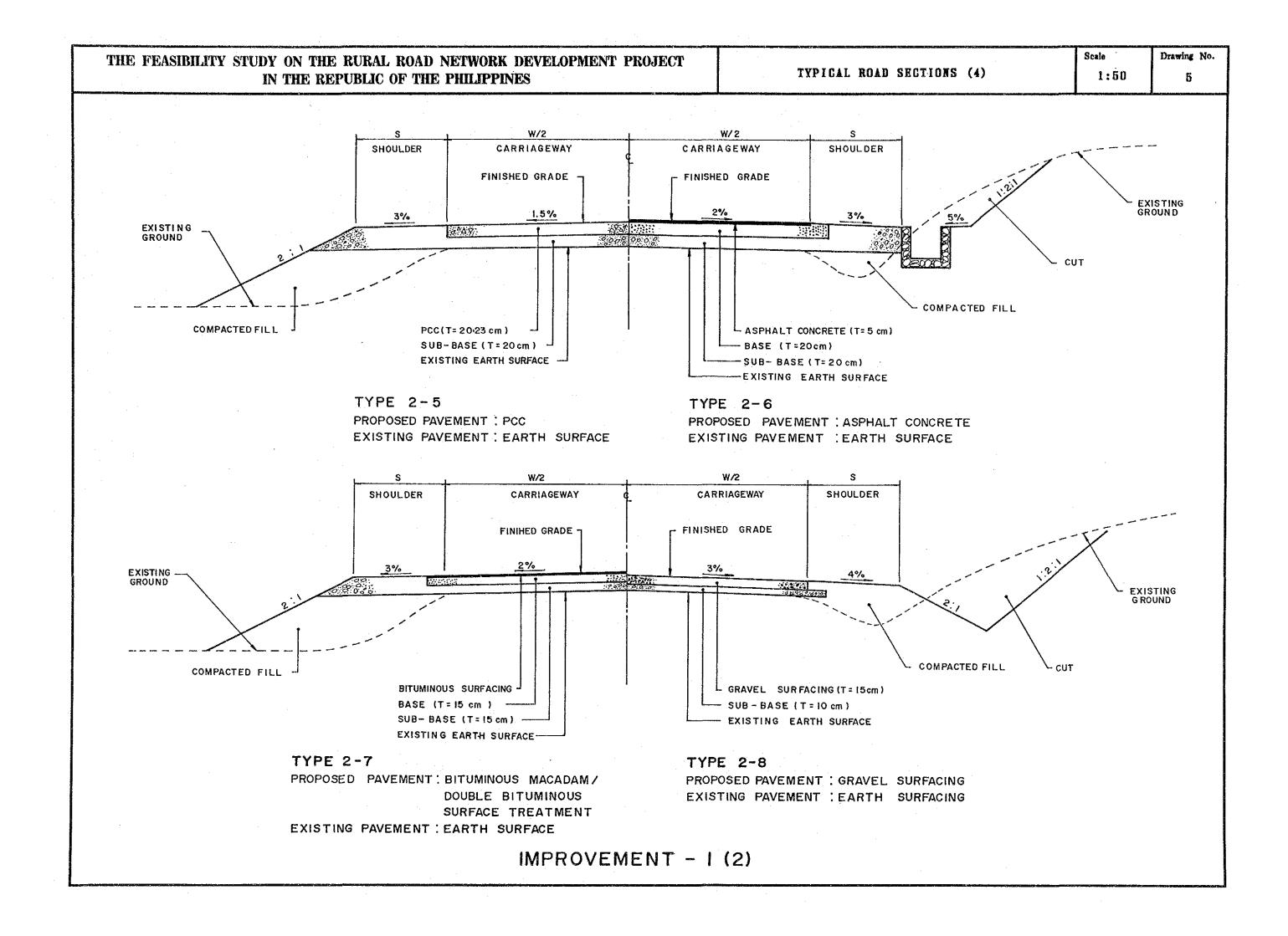
		ROAD NETWORI F THE PHILIPP	K DEVELOPMEN INES	T PROJECT		CONTE	NTS	5	icale	Drawing N
			CON	TENTS						
	Dr	awing No.		Title						
		-								
	_									
		· •	OCATION	MAP						
	21	109 T	YPICAL RO	AD SECT	IONS					
	10	to 87 P	RESENT C	ONDITION	AND PROP	OSED IMP	ROVEMEN	T		
			LIST	OF RO	ADS					
Road Class	Road No.	Drawing No.	Road Class	Road No.	Drawing No.	Road Class	Road No.	Drawing N	0.	
	N 3 - 1	10	· · ·	N 17 - 1	40		P63-1	66		
	N 3 - 2	11		N 26 - 1	41		P66 -1	67		
-	N 3 - 4	12		N 26 - 3	4 2		P70 -1	68		
	N4 - 1	13	4	N 27 - 1	43		P72 -1	69		
	N4 -2	14		N 30 - 1	44		P73-1	70	{	
	N 5	15816		N 90 - 1	4 5		P75 -1	70		
ŀ	N7 -1	17		<u>P2 -1</u>	46		P77 - 1	71		
. –	<u>N9 -1</u>	18		P 3 - 1	47		P84 - 1	72		
Secondary	<u>N9-2</u>	19		P4 - 1 P7 - 1	48	-	B00 -1 B07 -2	73	{	
Major Road	<u>N9-3</u> N10	20		P9 -1	50		B08-4	75		
-	N 20 - 1	23	-	P15-1	51		B13-1	76		
-	N21 - 2	24	-	P 16 - 1	52		B14 -1	77878	<u>`</u>	
	N22-1	2 5	Minor Road	P 16 - 2	53	Minor Road	B14 -2	79		
	N23-1	26		P 17 - 1	54		B22 - 2	80		
-	N24-1	27		P 23 - 1	55		B33-1	80		
-	N24-2	28		P 26 - 1	56		B34-2	81		
	P14 - 1	2 9]	P27-1	57		B 38 - 5	8 2		
	P20 - 2	29		P 28 - 1	58		B38-12	83		
	P24 - 1	30		P 30 - 1	59		B38 - 13	83		
	P25-1	31		P31-1	60		B40-1	84		
	P42 - 1	32		P 35 - 1	61		<u>B42-3</u>	85		
1	P55 - 1	33		<u>P36-1</u>	62		B 45 - 1	85	·	
-	B01-1	34	j j	P 45 - 1	63		<u>B47-4</u>	86		
					1					
Minor Road	<u>N8 - 1</u> N 11 - 1	35 36		P 53 - 1 P 56 - 1	63 64		B 50 - 5	87		

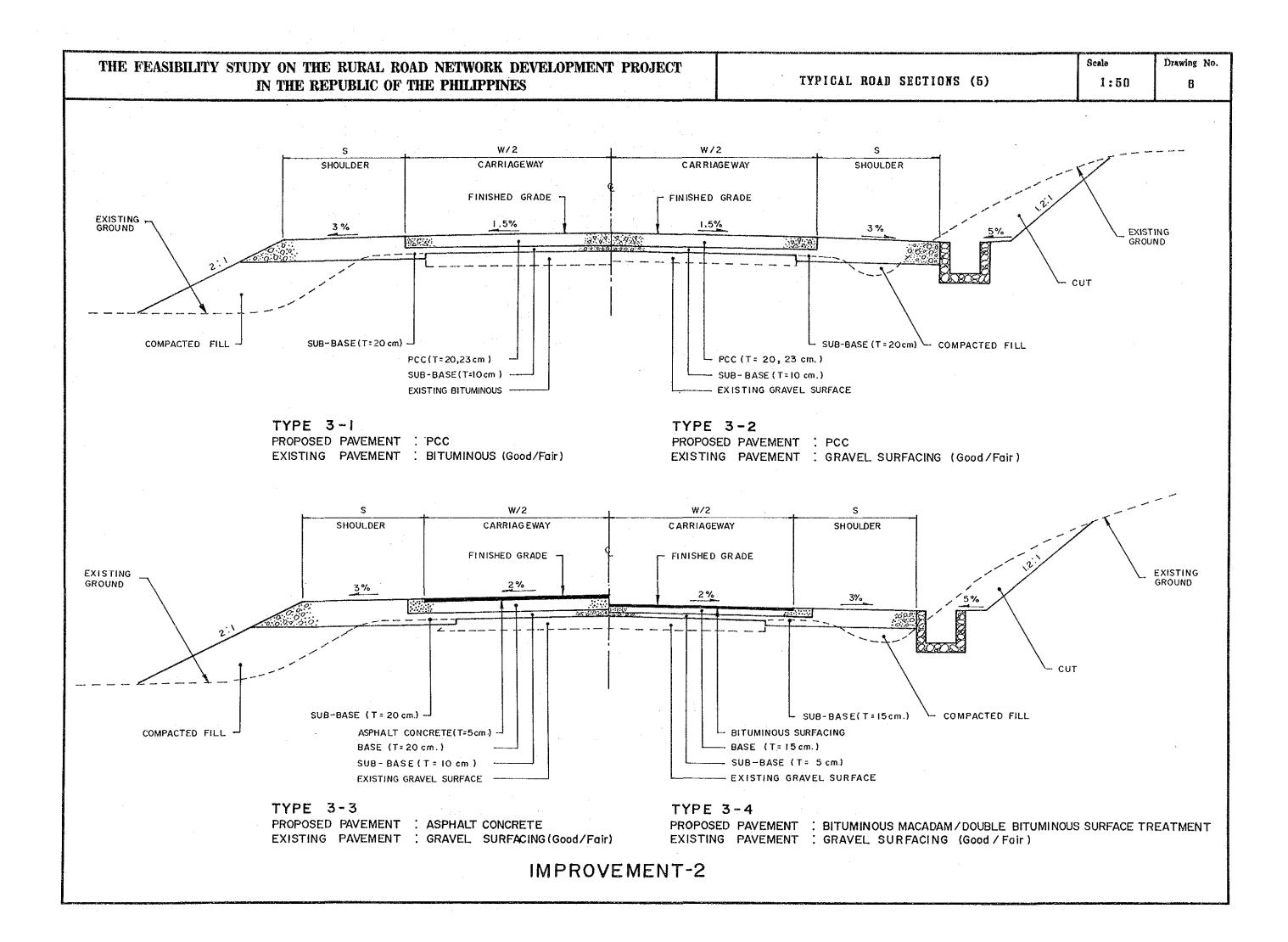


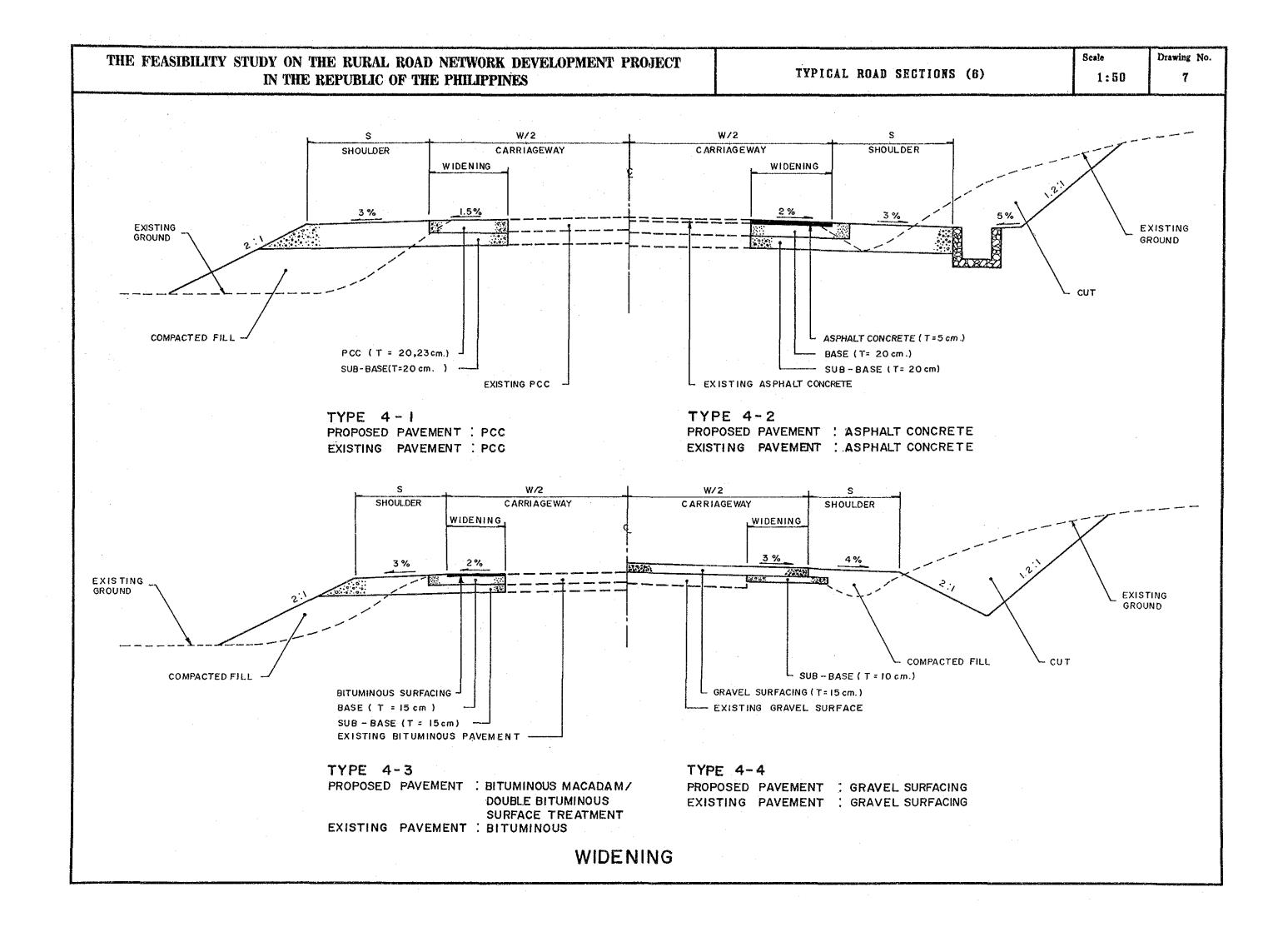


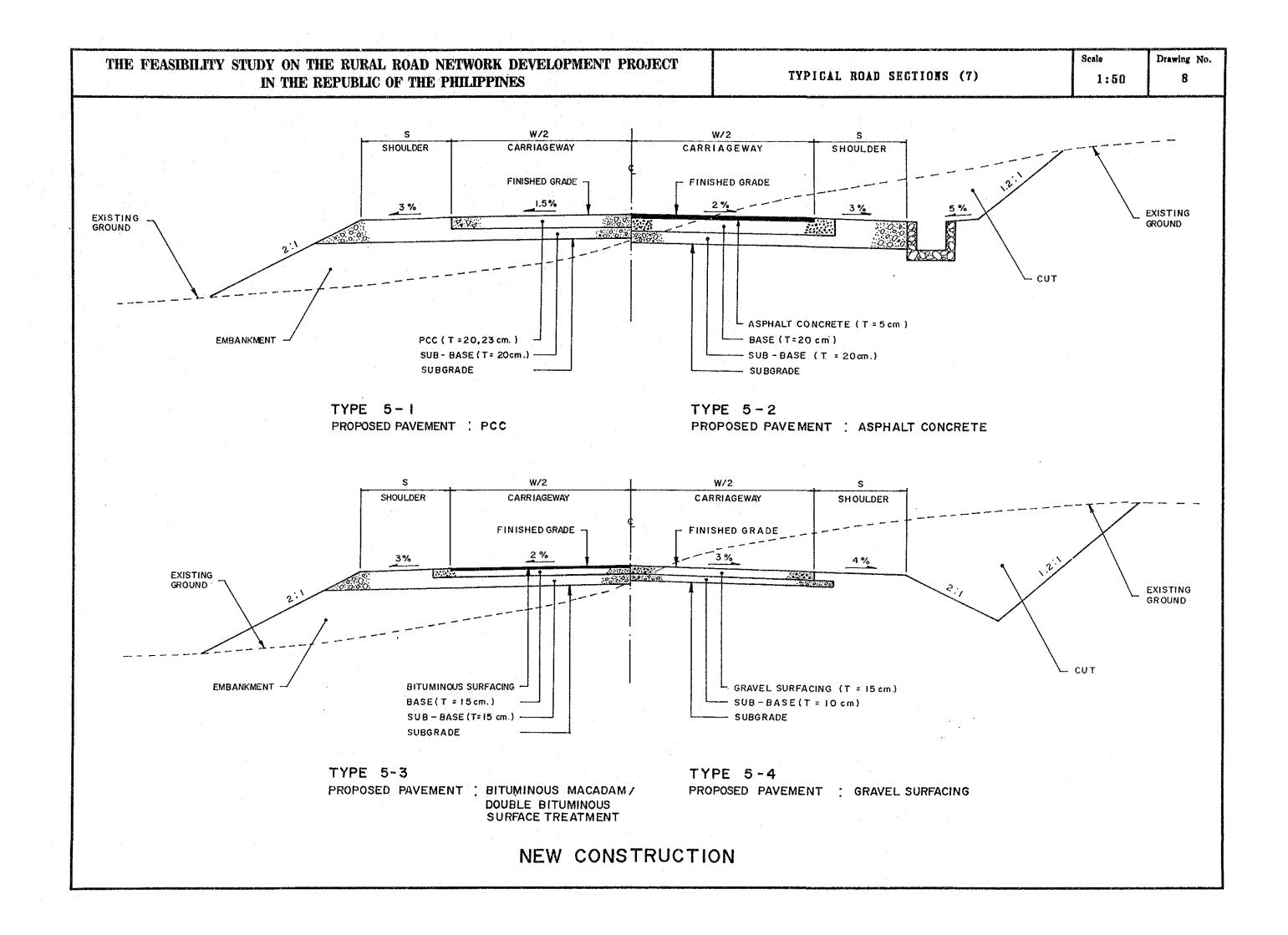


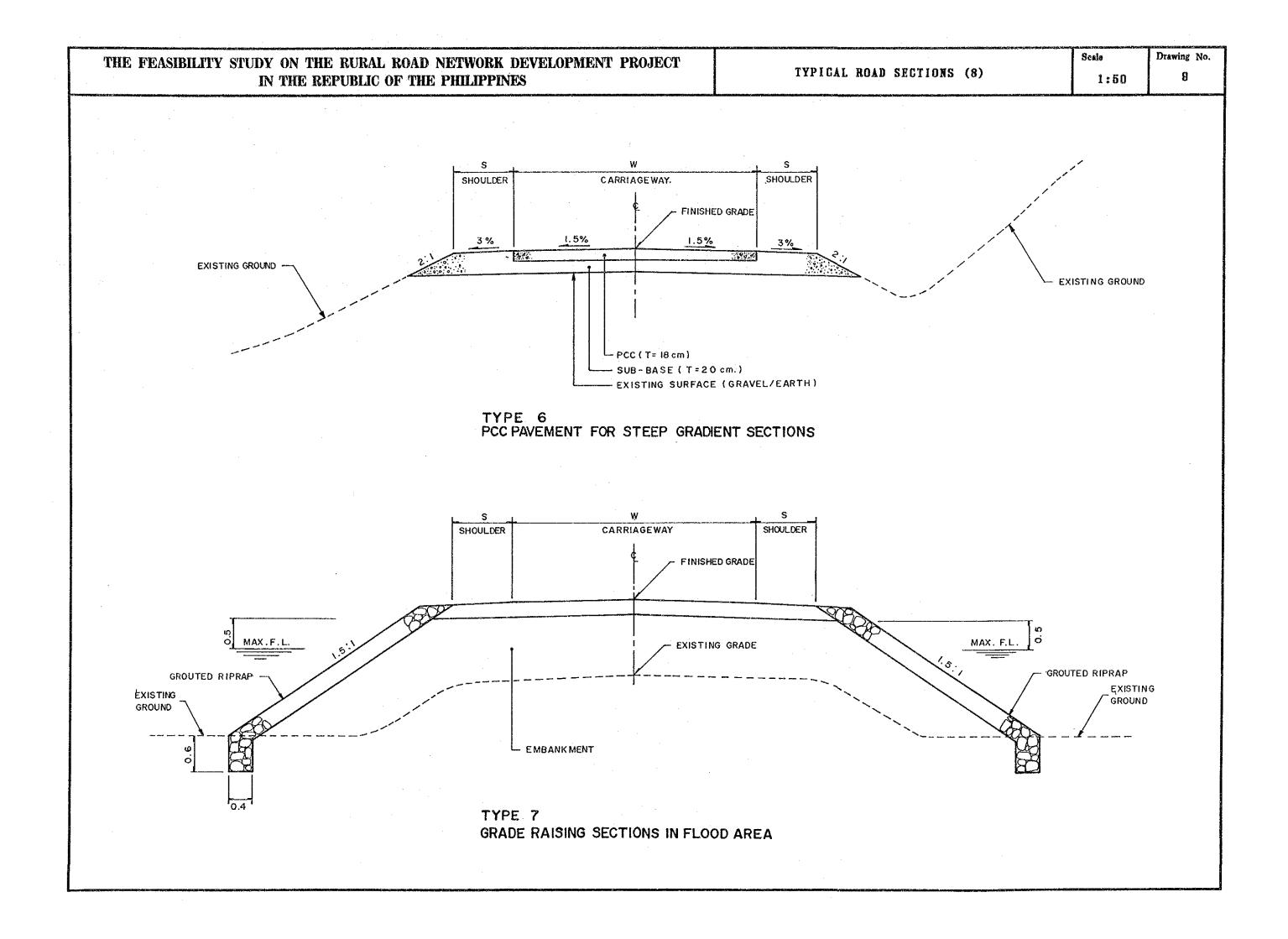


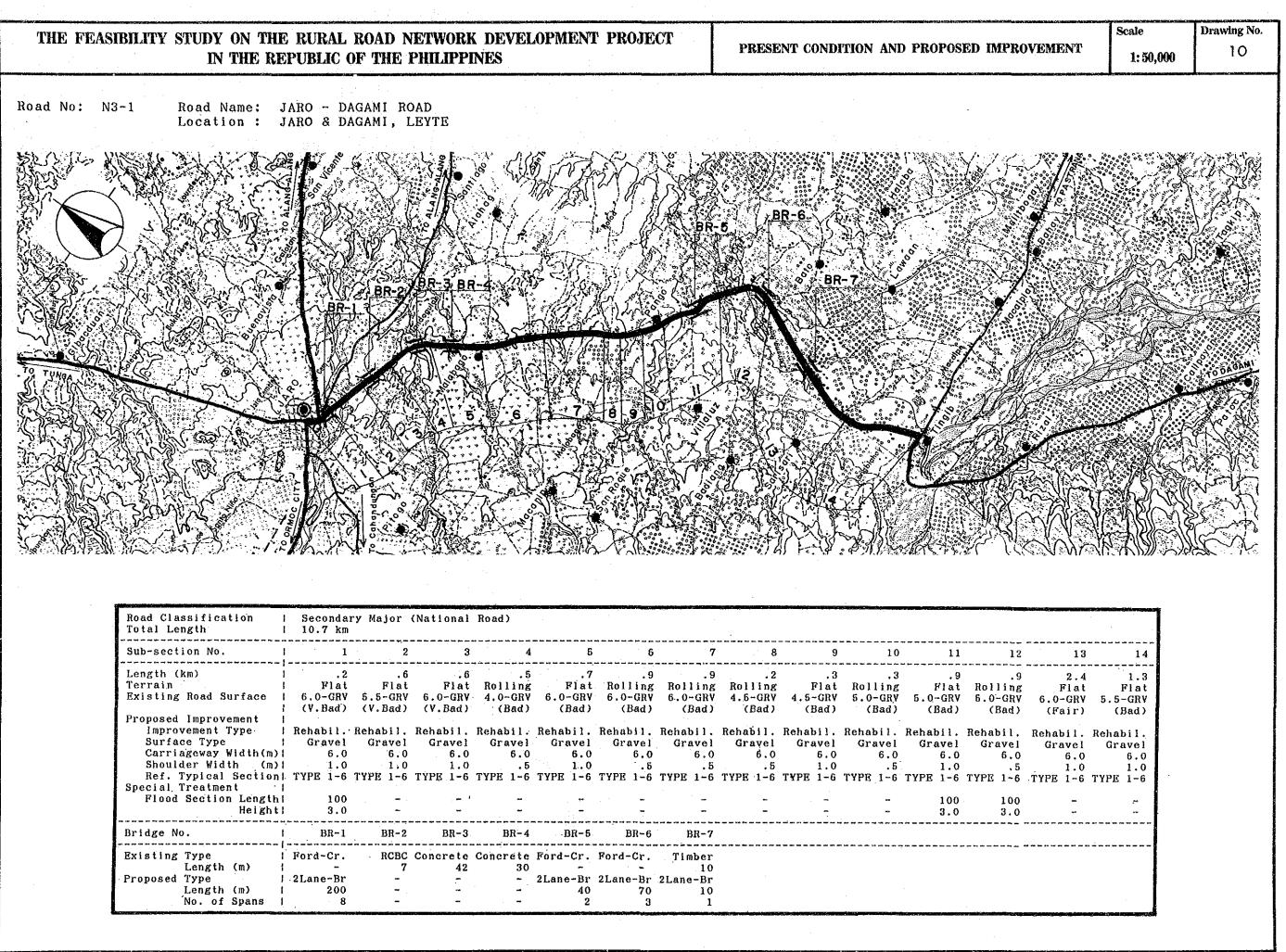




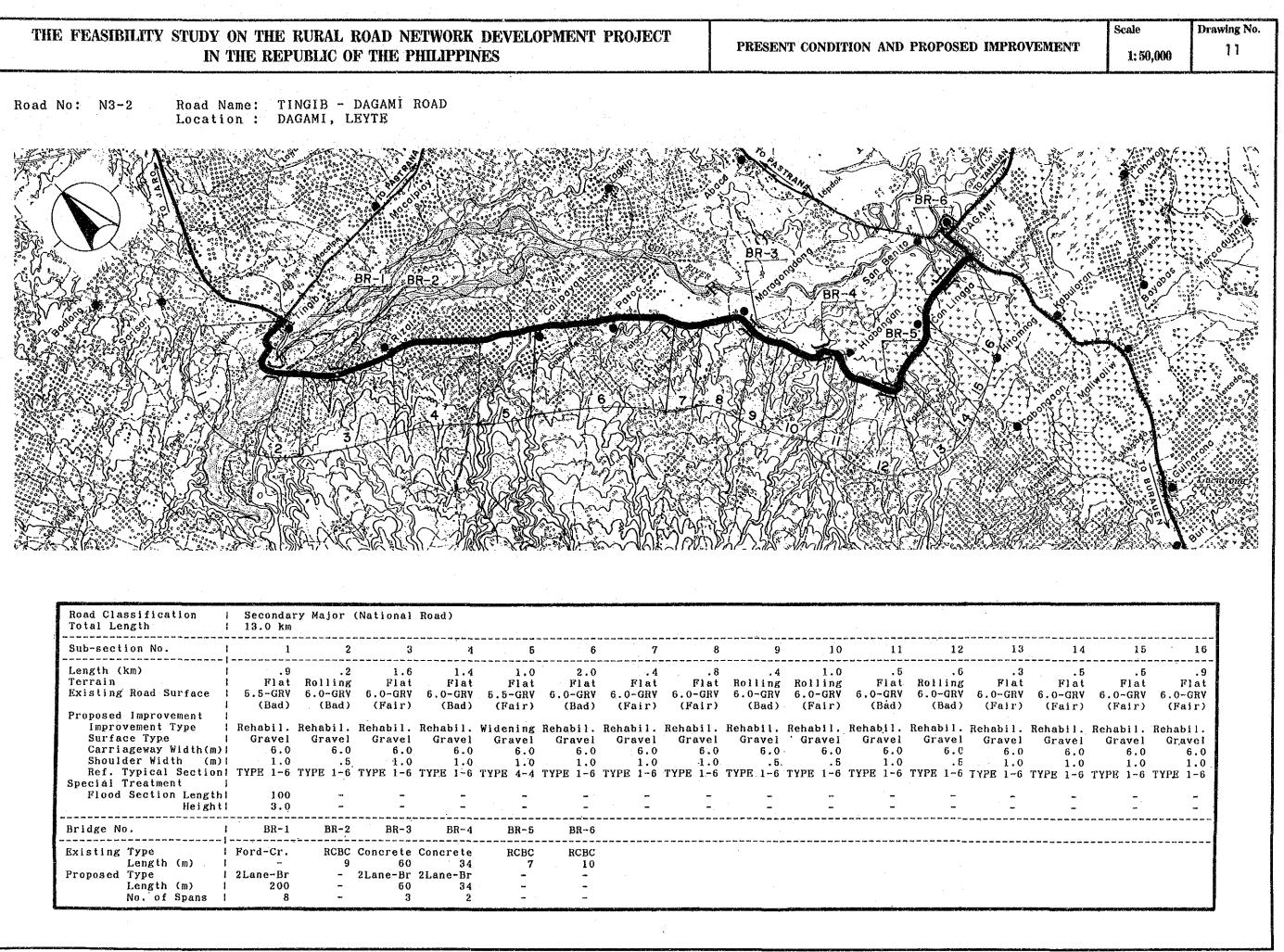








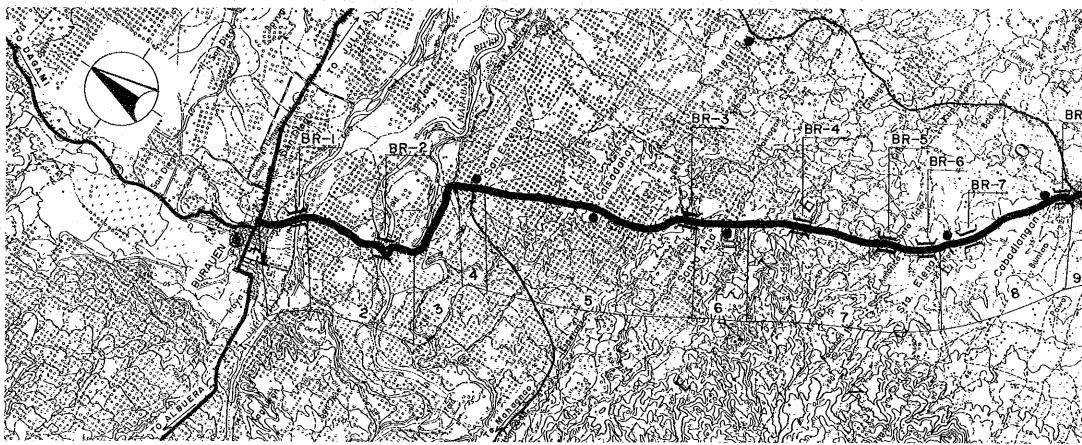
Road Classification Total Length	Seconda 10.7 km		(National	Road)								
Sub-section No.	1	2	3	4	5	6	7	8	9	10	11	12
Length (km)	.2	.6	.6	.5	.7	.9	.9	.2	.3	.3	.9	
Terrain !	Flat	Flat	Flat	Rolling	Flat	Rolling		Rolling				
Existing Road Surface	6.0-GRV	5.5-GRV	6.0-GRV	4.0-GRV	6.0-GRV	6.0-GRV	6 0-GRV	4.5-GRV	4.5-GRV			
1	(V.Bad)	(V.Bad)	(V.Bad)	(Bad)	(Bad)	(Bad)	(Bad)	(Bad)	(Bad)	(Bad)	(Bad)	(Bad)
Proposed Improvement			÷				* -					
	Rehabil.									Rehabil.	Rehabil.	Rehabil,
	Gravel						Gravel					Gravel
Carriageway Width(m)!							6.0					- • •
Shoulder Width (m)		1.0		.5	1.0	.6	.5	5	1.0	. 5	1.0	. 5
Ref. Typical Section!	TYPE 1-6	TYPE 1-6	TYPE 1-6	TYPE 1-6	TYPE 1-6	TYPE 1-6	TYPE 1-6	TYPE 1-6	T¥PE 1-6	TYPE 1-6	TYPE 1-6	TYPE 1-6
Special Treatment	100											
Flood Section Lengthi			. – .	-		- · · · -		-	. –	-	100	
Height	3.0	-						-		-	3.0	3.0
Bridge No.	BR-1	BR-2	BR-3	BR-4	BR-5	BR-6	BR-7					
Existing Type	Ford-Cr.	RCBC	Concrete	Concrete	Ford-Cr.	Ford-Cr.	Timber	* ** ** ** ** ** ** ** ** **				
Length (m) {		7	42	30			10					
	2Lane-Br	-	-	~	2Lane-Br	2Lane-Br	2Lane-Br					
Length (m)	200	-		·	40	70	10				1	
No. of Spans	- 8	-	-	. 🗕	2	3	1					



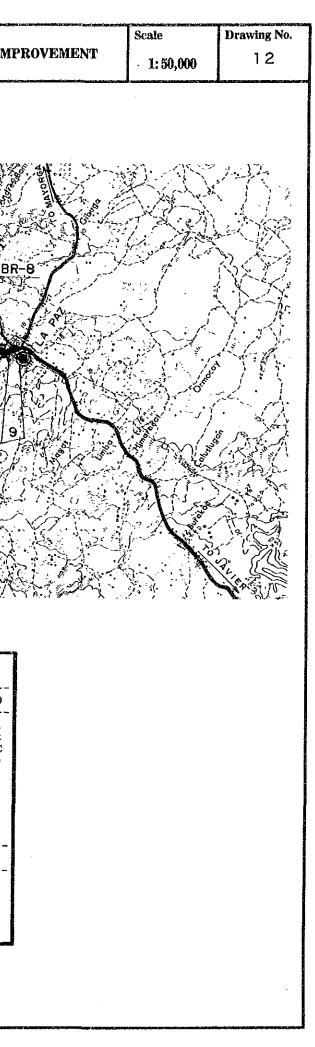
Road Classification Total Length	Seconda 13.0 km		(National	Road)									
Sub-section No.	1	2	3	4	5	6	7	8	9	10	11	12	1
Length (km)	.9	.2	1.6	1.4	1.0	2.0	.4	.8	.4	1.0	.5	.6	
Terrain	Flat	Rolling			Flat					Rolling			
Existing Road Surface	5.5-GRV	6.0-GRV		6.0-GRV						-	6.0-GRV	-	
1	(Bad)	(Bad)			(Fair)	(Bad)	(Fair)	(Fair)	(Bad)	(Fair)	(Båd)	(Bad)	(Fair
Proposed Improvement													
Improvement Type	Rehabil.	Rehabil.	Rehabil.	Rehabil.	Widening	Rehabil.	Rehabil.	Rehabil.	Rehabil.	Rehabil.	Rehabil.	Rehabil.	Rehabil
Surface Type	Gravel					Gravel		Gravel					
Carriageway Width(m)					6.0	6.0	6.0	6.0	6.0			6.0	6.
Shoulder Width (m)							1.0				1.0		
Ref. Typical Section!	TYPE 1-6	TYPE 1-6	TYPE 1-6	TYPE 1-6	TYPE 4-4	TYPE 1-6	TYPE 1-6	TYPE 1-6	TYPE 1-6	TYPE 1~6	TYPE 1-6	TYPE 1-6	TYPE 1-
Special Treatment													
Flood Section Length			-	-	-		-	-	-	**	-	-	-
Heightl	3.0		-				· –	- .				-	-
Bridge No.	BR-1	BR-2	BR-3	BR-4	BR-5	BR→6							
Existing Type	Ford-Cr.	RCBC	Concrete	Concrete	RCBC	RCBC							
Length (m)	-	9	60	34	7	10							
	2Lane-Br		2Lane-Br		-	-							
Length (m)	200	-	60	34	. 	-							
No. of Spans	8		3	2	 •								

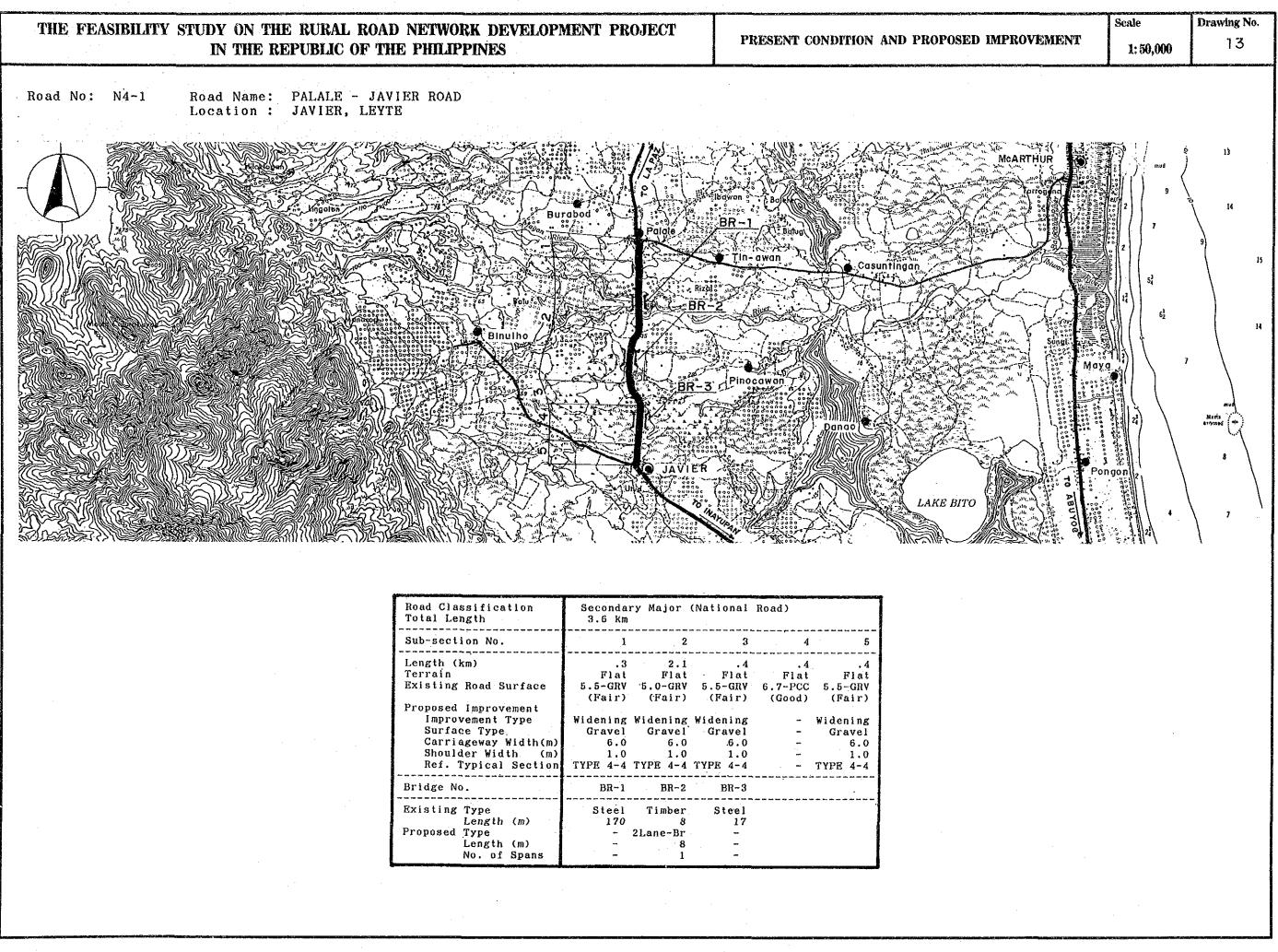
PRESENT CONDITION AND PROPOSED IMPROVEMENT

Road No: N3-4 Road Name: BURAUEN - LA PAZ ROAD Location : BURAUEN & LA PAZ, LEYTE



Road Classification Total Length	Seconda 12.4 km		(National	Road)					
Sub-section No.	1	2	3	4	5	6	7	8	9
Length (km) Terrain Existing Road Surface Proposed Improvement Improvement Type Surface Type Carriageway Width(m) Shoulder Width (m) Ref. Typical Section	Rehabil. Gravel 6.0 1.0	Flat 6.0-GRV (Fair) Rehabil. Gravel 6.0 1.0	Flat 6.0-GRV (Fair) Rehabil. Gravel 6.0 1.0		Flat 5.5-GRV (Fair) Widening Gravel 6.0 1.0	Flat 6.0-GRV (Fair) Rehabil. Gravel 6.0 1.0	Flat 5.5-GRV (Fair) Widening Gravel 6.0 1.0	Flat 6.0-GRV (Fair) Rehabil. Gravel 6.0 1.0	.1 Flat 6.1-PCC (Fair) - - -
Bridge No.	BR-1	BR-2	BR-3	BR-4	BR-5	BR-6	BR-7	BR-8	
Existing Type Length (m) Proposed Type Length (m) No. of Spans	Concrete 120 -	60	24	Concrete 16 ~ ~	RCBC 9 - -	RCBC 6 	RCBC 9	RCBC 9 -	

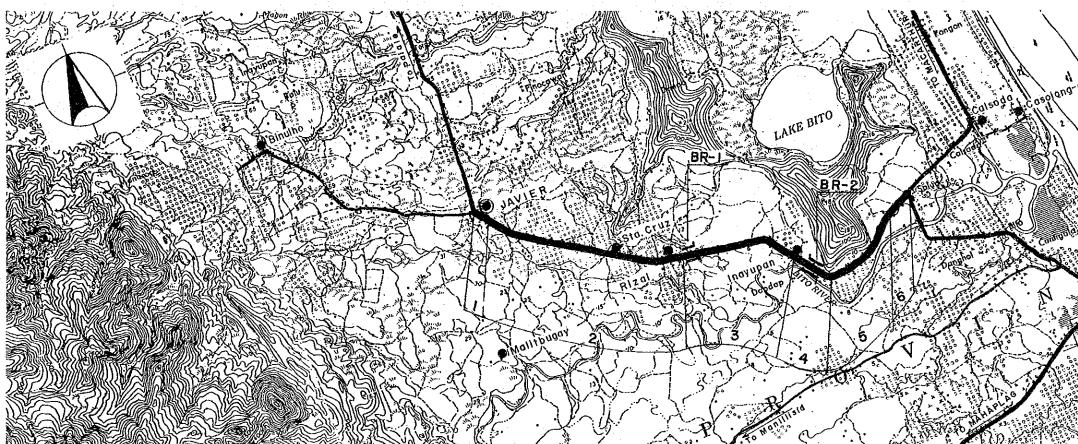




Road Classification Total Length	Seconda 3.6 km		(National	Road)	
Sub-section No.	1	2	3	4	5
Length (km) Terrain Existing Road Surface Proposed Improvement Improvement Type Surface Type Carriageway Width(m) Shoulder Width (m) Ref. Typical Section	Flat 5.5-GRV (Fair) Widening Gravel 6.0 1.0	Flat 5.0-GRV (Fair) Widening Gravel 6.0 1.0	1.0	Flat 6.7-PCC (Good) - - -	Flat 5.5-GRV (Fair) Widening Gravel
Bridge No.	BR-1	BR-2	BR-3	• • • • • • • • • • • • • • • • • • • •	•
Existing Type Length (m) Proposed Type Length (m) No. of Spans	170	Timber 8 2Lane-Br 8 1	17		

PRESENT CONDITION AND PROPOSED IMPROVEMENT

Road No: N4-2 Road Name: JAVIER - ABUYOG ROAD Location : JAVIER, LEYTE

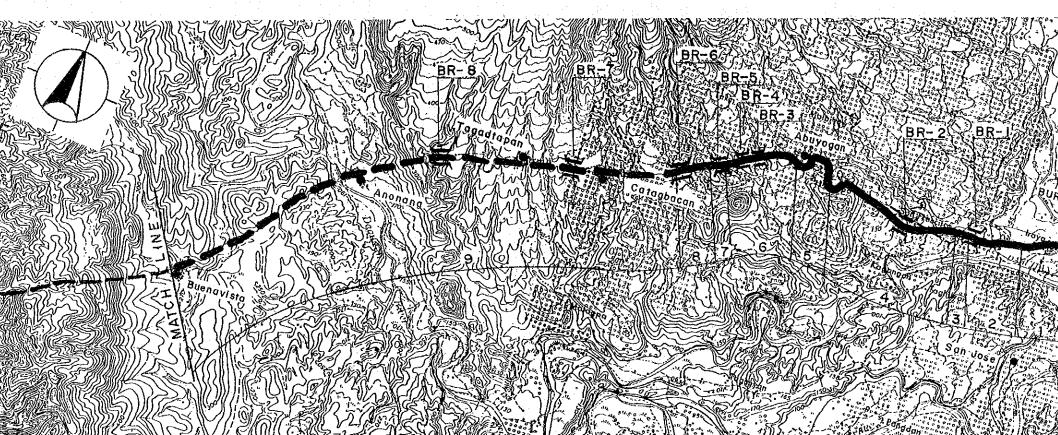


Road Classification Total Length	Seconda 6.8 km		(National	Road)		
Sub-section No.	1	2	3	4	5	6
Length (km) Terrain Existing Ro'ad Surface Proposed Improvement Improvement Type Surface Type Carriageway Width(m) Shoulder Width (m) Ref. Typical Section	6.1-PCC (Good) - - - -	Flat 6.0-GRV (Fair) Rehabil. Gravel 6.0 1.0	1.6 Flat 6.0-GRV (Fair) Rehabil. Gravel 6.0 1.0 TYPE 1-6	Flat 6.0-GRV (Bad) Rehabil. Gravel 6.0 1,0	Flat 6.0-GRV (Fair) Rehabil. Gravel 6.0 1.0	Flat 6.0-GRV (Fair) Rehabil. Gravel 6.0 1.0
Bridge No.	BR-1	BR-2				
Existing Type Length (m) Proposed Type Length (m) No. of Spans	15	Bailey 6 2Lane-Br 6 1				



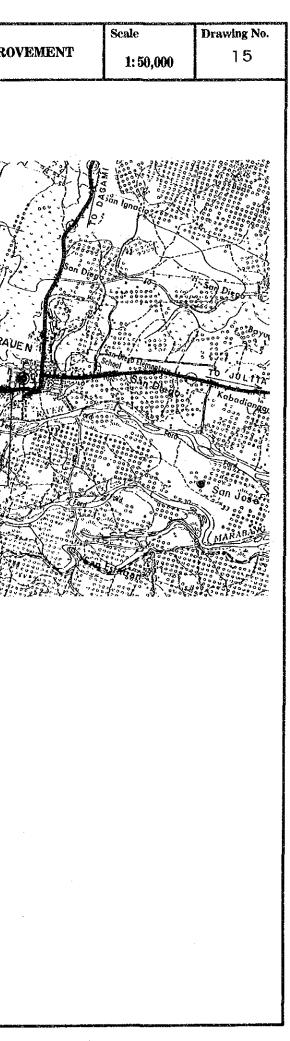
PRESENT CONDITION AND PROPOSED IMPROVEMENT

Road No: N5 Location : BURAUEN - ALBUERA ROAD

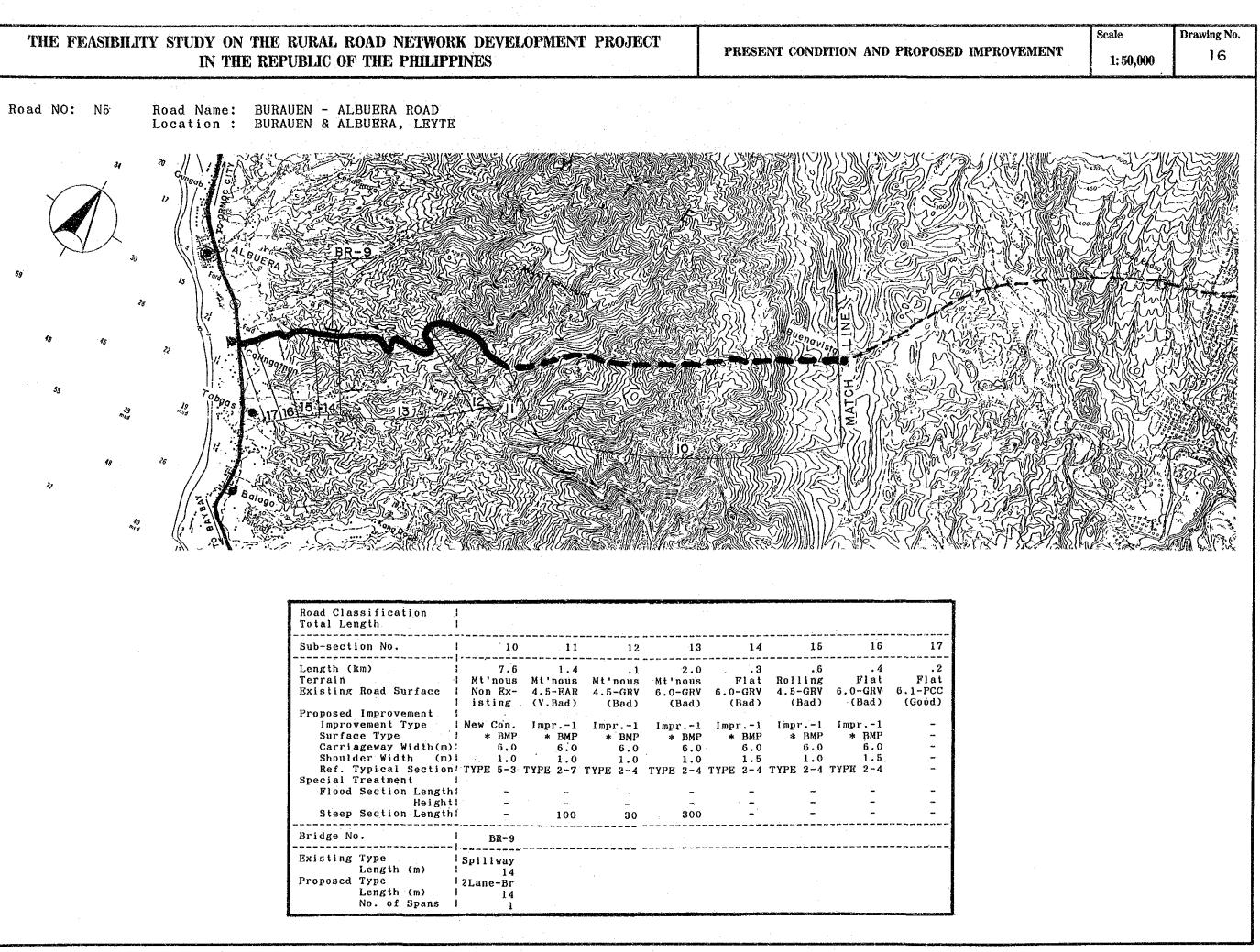


Road Classification Total Length	Seconda 28.4 km		(National	Road)					
Sub-section No.	1	2	3	4	5	6	7	8	1
Length (km)	.7	.8	.1	2:0	.9	1.1	.2	.5	9.1
Terrain l	Flat	Flat	Rolling	Rolling	Rolling	Rolling	Rolling	Rolling	Rollin
Existing Road Surface	6.1-PCC	6.0-GRV	4.5-GRV	6.0-GRV	6.0-GRV	6.0-GRV	6.0-GRV	6.0-GRV	Non Ex
1	(Good)	(Bad)	(V.Bad)	(Y.Bad)	(V.Bad)	(Bad)	(Bad)	(V.Bad)	isting
Proposed Improvement				· ·					
Improvement Type	. –	Impr1	Impr1	Impr1	lmpr1	lmpr1		Impr -1	
Surface Type 1	-	* BMP	* BMP	* BMP					
Carriageway Width(m)		6.0	6.0	6.0				6.0	
Shoulder Width (m)		1.5	1.0			. 1.0		1,0	
Ref. Typical Section!	-	TYPE 2-4	TYPE 2-4	TYPE 2-4	TYPE 2-4	TYPE 2-4	TYPE 2-4	TYPE 2-4	TYPE 5-
Special Treatment		·							
Flood Section Length!		·	-	-	· _ ·	-		100	-
Heightl		· -	-	-		-	.	3.0	-
Steep Section Length!	-		· -	-	-		-		
Bridge No.	BR-1	BR-2	BR-3	BR-4	BR-5	BR-6	BR-7	BR-8	
Existing Type	Ford-Cr.	RCBC	RCBC	RCBC	Concrete	Ford-Cr.	Ford-Cr.	Ford-Cr.	
Length (m) i	· · · -	4	4	7	20	_	-	· 🗕	
	2Lane-Br	· -	•	-	. • –	2Lane-Br	2Lane-Br	2Lane-Br	
Length (m)	18		·	· -	-	50	12	30	
No. of Spans	1	·				2	1	2	

* DBST can be applied instead depending on conditions of subgrade,axle load,drainage,etc.

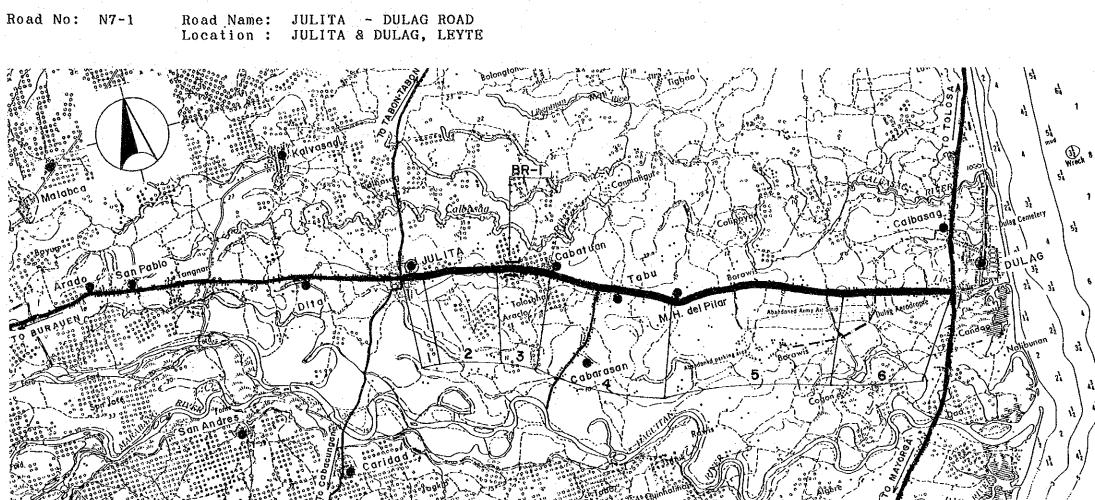


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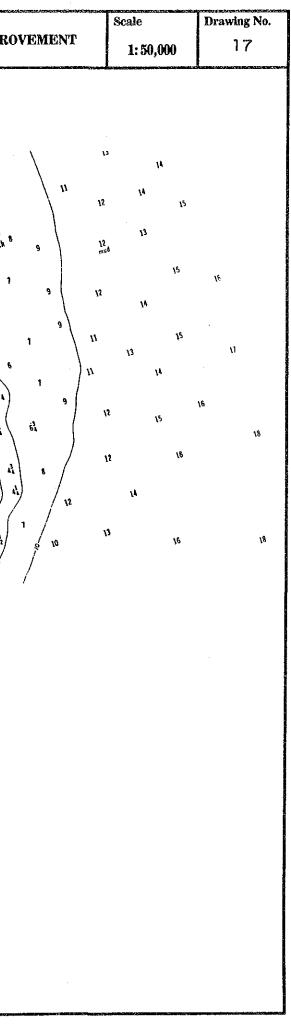


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Road Classification Total Length								
Sub-section No.	10	. 11	12	13	14	15	16	1
Length (km) Terrain Existing Road Surface	Mt'nous Non Ex-	Mt'nous	Mt'nous 4.5-GRV	Mt'nous 6.0-GRV	6.0-GRV		.4 Flat 6.0-GRV (Bad)	Fla 6.1-PC (Goód
Proposed Improvement Improvement Type Surface Type Carriageway Width(m)	* BMP 6.0	* BMP	* BMP 6.0	* BMP 6.0	* BMP 6.0	* BMP 6.0	* BMP 6.0	-
Shoulder Width (m) Ref. Typical Section Special Treatment Flood Section Length	TYPE 5-3			1.0 TYPE 2-4			1.5. TYPE 2-4	-
Height Steep Section Length		100	- 30	300	-	-		-
Bridge No.	BR-9		********					
Length (m)	Spillway 14 2Lane-Br 14 1			μαι του στη διαί του του δρά που στη διά				

PRESENT CONDITION AND PROPOSED IMPROVEMENT

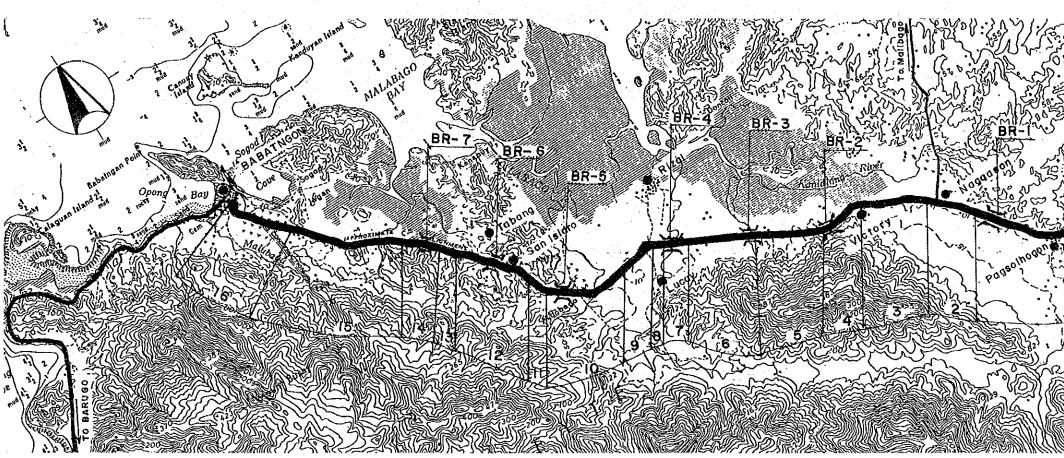


Road Classification Total Length	Seconda 7.6 km	• • • •	(National	Road)		
Sub-section No.	1	2	. 3	4	5	6
Length (km) Terrain Existing Road Surface Proposed Improvement Improvement Type Surface Type Carriageway Width(m) Shoulder Width (m) Ref. Typical Section	6.0-GRV (Fair) Impr2 AC 6.0 2.0	Flat 6.0-GRV (Fair) Impr2 AC 6.0 2.0	Flat	Flat 6.0-GRV (Bad) Impr1 AC 6:0 2.0	AC 6.0 2.0	Flat 6.1~PCC
Bridge No.	BR-1					
Existing Type Length (m) Proposed Type Length (m) No. of Spans	RCBC 4 - -			~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~		



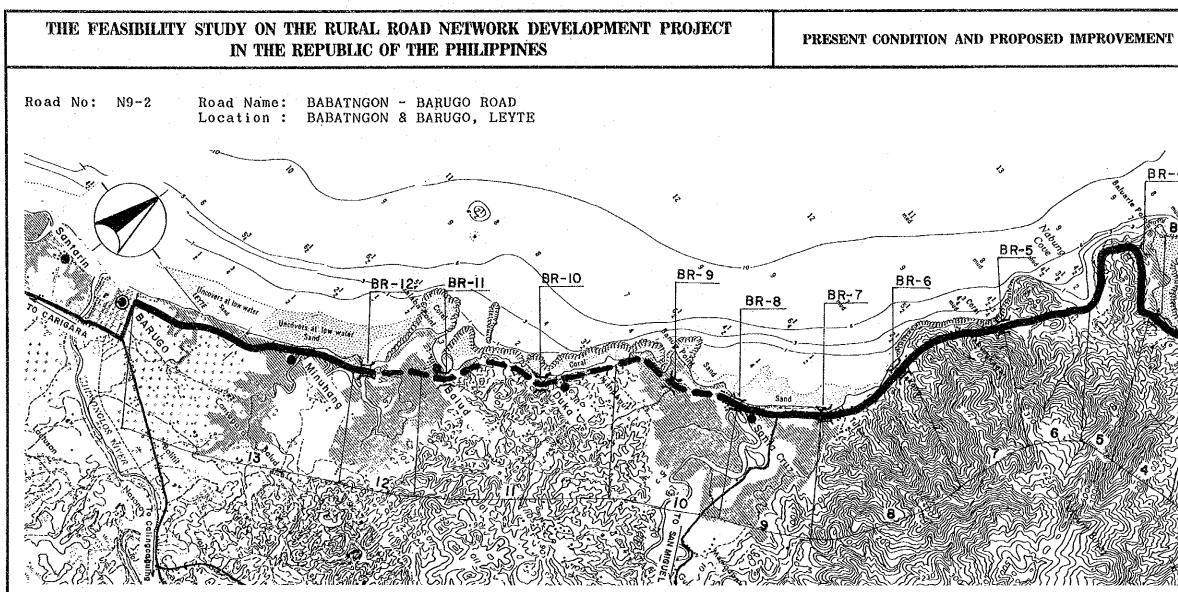
PRESENT CONDITION AND PROPOSED IMI

Road No: N9-1 Road Name: BAGAHUPI - BABATNGON ROAD Location : BABATNGON, LEYTE

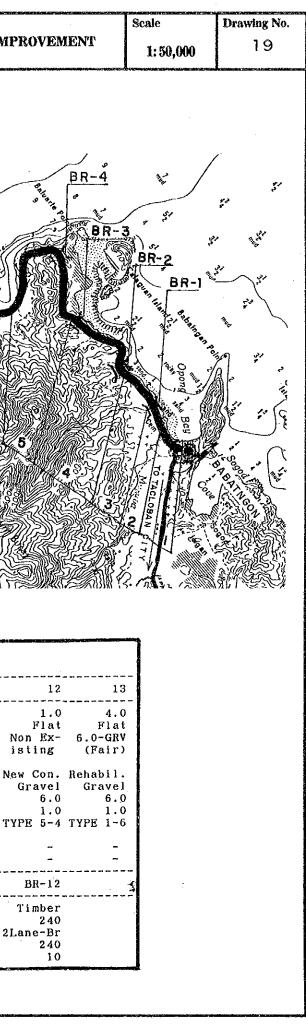


Road Classification Total Length	Seconda 14.3 km		(National	Road)								,	•
Sub-section No.	1	2	3	4	5	6	7	8	9	10	11	12	******
Length (km)	3.4	.7	.9	.6	.8	1.1	.3	.1	.5	1.2	.3	1.1	
Terrain I	Flat	Flat	Flat	Flat	Flat	- Flat	Flat	Flat-	Rolling	Rolling	Rolling	Rolling	Rolli
Existing Road Surface	6.0-GRV	6.0-GRV	6.0-GRV	5.5-GRV	6.0-GRV	6.1-PCC	6.1-PCC	5.5-GRV	5.5-GRV	5.5-GRV	5.5-GRV	5.5-GRV	5.5~G
· 1	(Fair)	(Fair)	(Fair)	(Bad)	(Fair)	(Good)	(Good)	(Fạir)	(Fair)	(Fair)	(Fair)	(Fair)	(Fai
Proposed Improvement		•	· .		A second second			· .					
	Impr2		Impr2	Impr1	Impr2	-	-	Impr2	impr2	Impr2	Impr2	Impr2	Impr.
	* BMP	* BMP	* BMP	* BMP	* BMP	· –		* BMP	* E				
Carriageway Width(m);	6.0	6.0	6.0	6.0	6.0	-		6.0	6.0	6.0	6.0	6.0	£
Shoulder Width (m)				1.5	1.5	-	· · -	1.5	1.0	1.0	1.0	1.0	1
Ref. Typical Section!	TYPE 3-4	TYPE 3-4	TYPE 3-4	TYPE 2-4	TYPE 3-4	-	-	TYPE 3-4	TYPE 3				
Special Treatment						a de la companya de l							
Steep Section Length!	-	-			-			-	-		90	-	
Bridge No.	BR-1	BR-2	BR-3	BR-4	BR-5	BR-6	BR-7						
Existing Type	Timber	Spillway	Spillway	Concrete	Timber	Spillway	Timber						*******
Length (m)	. 8	13		54		16	21						
Proposed Type	2Lane-Br	2Lane-Br	2Lane-Br		2Lane-Br	2Lane-Br	2Lane-Br						
Length (m)	. 8	13	. 9	4 0	. 8	16	21						
No. of Spans !	1	1	1		1	1	1						

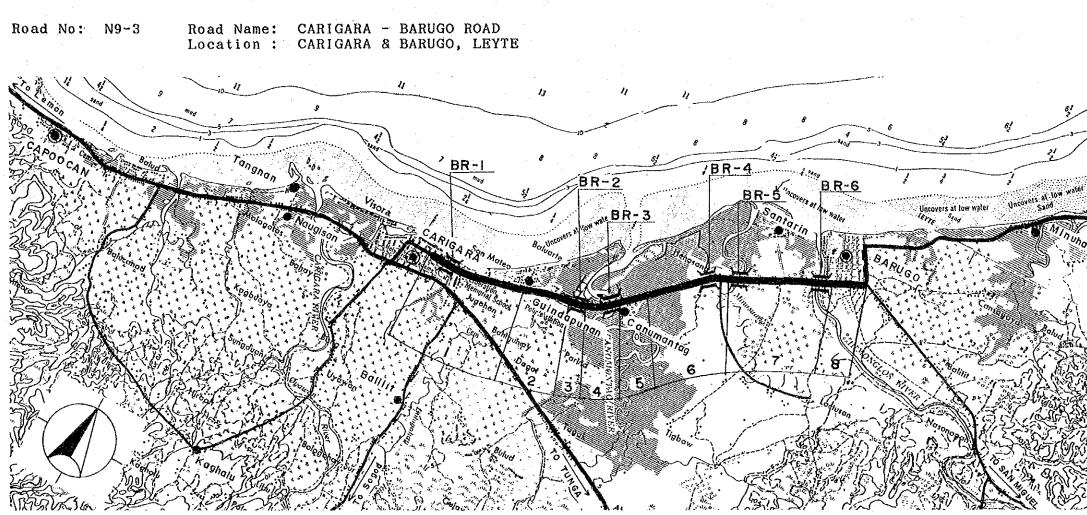
* DBST can be applied instead depending on conditions of subgrade,axle load,drainage,etc.



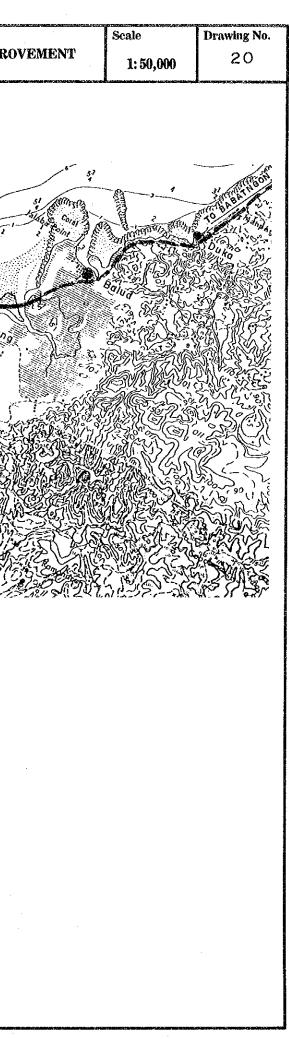
Road Classification Total Length	Secondaı 19.9 km	y Major	(National	Road)								
Sub-section No.	1	2	3	4	5	6	7	8	9	. 10	11	
Length (km) Terrain Existing Road Surface	.4 Flat 7.4-PCC (Good)	.3 Flat 6.0-GRV (Bad)	1.6-GRV	Flat 1.6-GRV	Rolling 1.6-GRV	Flat 1.6-GRV	Rolling 1.6-GRV	Flat	Flat 1.6-GRV	Flat Non Ex~	Rolling	N i
Proposed Improvement Improvement Type Surface Type Carriageway Width(m) Shoulder Width (m) Ref. Typical Section Special Treatment Flood Section Length Height		Gravel 6.0 1.0	Gravel 6.0 1.0	Gravel 6:0 1.0	Gravel 6.0	Gravel 6.0 1.0	Gravel 6.0 .5	Gravel 6.0 1.0	Gravel 6 0 1 0	Gravel 6.0 1.0	6.0	
Bridge No.	BR-1	BR-2	BR-3	BR-4	BR-5	BR-6	BR-7	BR- 8	BR-9	BR-10	BR-11	
Existing Type Length (m) Proposed Type Length (m) No. of Spans	Timber 13 2Lane-Br 13 1	Timber 13 2Lane-Br 13 1	12	12	6	6	Timber 60 2Lane-Br 60 3	. 60	2Lane-Br	Ford-Cr. 2Lane-Br 24 1	Timber 18 2Lane-Br 18 1	2L



PRESENT CONDITION AND PROPOSED IMPROVEMENT



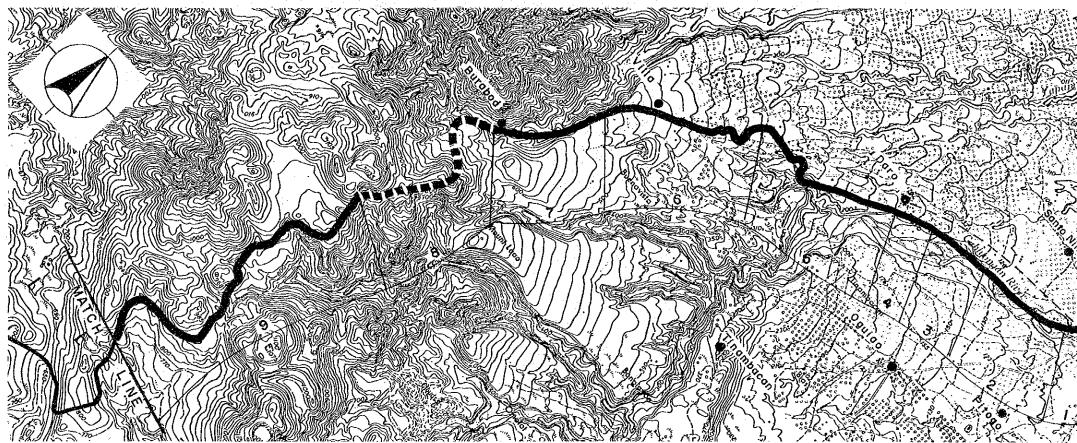
Road Classification Total Length	Seconda 6.0 km	y Major	(National	Road)				
Sub-section No.	1	2	3	4	5	6	7	8
Length (km) Terrain Existing Road Surface	Flat 6.1-PCC	Flat 6.1-PCC	.2 Flat 6.1-PCC (Good)	Flat 6.0-GRV	Flat 4.0-PCC	Flat 6.0-GRV	1.3 Flat 4.0-PCC (Good)	.4 Flat 6.1-PCC (Good)
Proposed Improvement Improvement Type Surface Type Carriageway Width(m) Shoulder Width (m) Ref. Typical Section				Impr2 PCC 6.0 2.5	Widening	Impr2 PCC 6.0 2.5	Widening PCC 6.0 2.5	- 1 - 1 - 1 - 1 - 1 - 1
Bridge No.	BR-1	BR-2	BR-3	BR-4	BR-5	BR-6		
Existing Type Length (m) Proposed Type Length (m) No. of Spans	Concrete 15 - -			13		132 2Lane-Br		



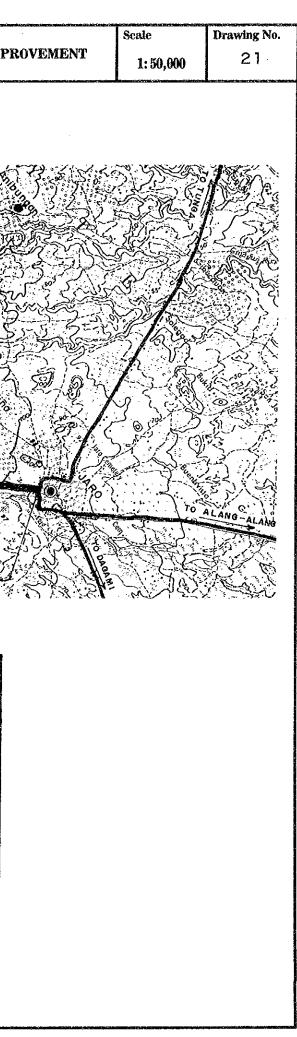
PRESENT CONDITION AND PROPOSED IMPROVEMENT

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Road No: N10 Road Name: JARO - DARO - ORMOC ROAD Location : JARO & ORMOC, LEYTE

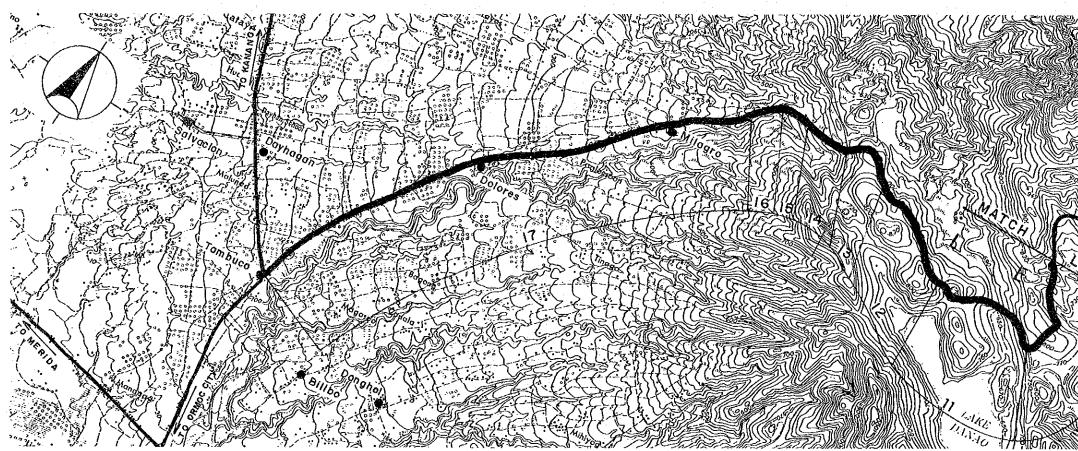


Road Classification Total Length	Secondar 31,4 km	y Major	(National	Road)					
Sub-section No.	1	2	3	4	.5	. 6	7	8	. 9
Length (km)	.7	1.4	.9	۰ 5 [.]	2.6	2.Ġ	1.5	2.8	5.0
Terrain I	Flat	Flat	Rolling	Flat	Rolling	Rolling	Rolling	Mit'nous	Mt'nous
Existing Road Surface	6.1-PCC	6.0-GRV	6.0-GRV	6.0-GRV	4.0-GRV	4.0-GRV	3.2-EAR	Non Ex-	6.0-GRV
1	(Good)	(Bad)	(V.Bad)	(Bad)	(V.Bad)	(V.Bad)	(V.Bad)	isting	(V.Bad)
Proposed Improvement					•				
Improvement Type		Impr1	Impr1	Impr1	Impr1	lmpr1	Impr1	New Con.	Impr1
Surface Type	-	AC	AC	AC	AC	AC	AC	AC	AC
Carriageway Width(m)	-	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Shoulder Width (m)	-	2.0	1.5	2.0	1.5	1.5	1.5	1.0	1.0
Ref. Typical Section1	-	TYPE.2-3	TYPE 2-3	TYPE 2-3	TYPE 2-3	TYPE 2-3	TYPE 2-6	TYPE 5-2	TYPE 2-3
Special Treatment									
Steep Section Lengthl		-	-		-			-	-

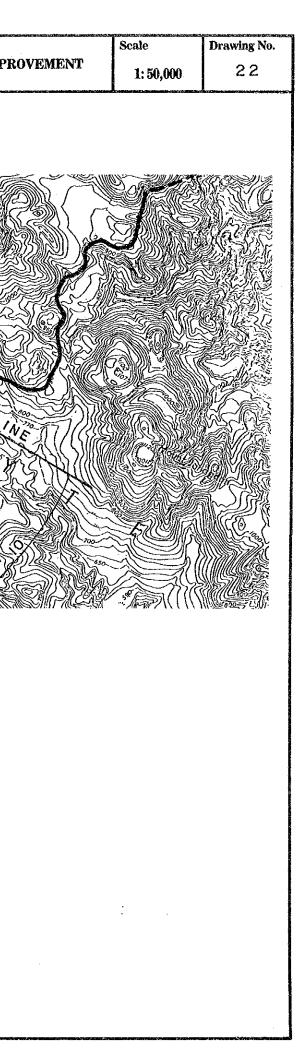


PRESENT CONDITION AND PROPOSED IMPROVEMENT

Road No: N10 Road Name: JARO - DARO - ORMOC ROAD Location : JARO & ORMOC, LEYTE

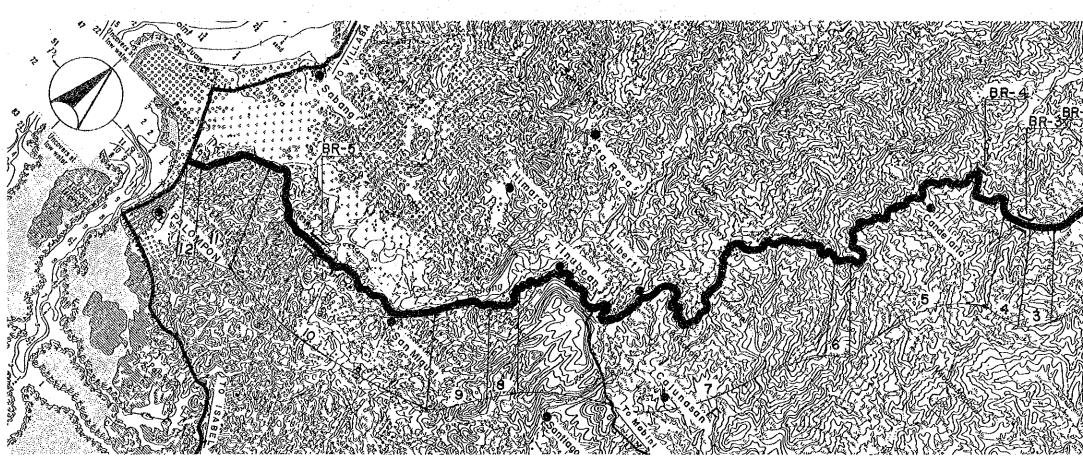


Road Classification Total Length) 		•					
Sub-section No.	10	11	12	13	14	15	16	17
Length (km)	1.0	1.3	1.7	.7	.7	.4	. 4	7.2
Terrain	Mt'nous	Mt'nous	Mt'nous	Rolling	Mt'nous	Mt'nous	Rolling	Fla
Existing Road Surface	6.0-GRV	6.0-GRV	6.0-GRY	6.0-GRV	6.0-GRV	6.1-PCC	6.1-PCC	6.1-PC
	(Y,Bad)	(Bad)	(Bad)	(Bad)	(Bad)	(Good)	(Good)	(Good)
Proposed Improvement	I						-	
Improvement Type	Impr1	Impr1	Impr1	Impr1	Impr1			-
Surface Type	I AC	AC		AC	AC		-	-
Carriageway Width(m)	610	6.0	6.0	6.0	6.0			-
Shoulder Width (m)	1.0	1.0	1.0	1.5	1.0	-		-
Ref. Typical Section	TYPE 2-3	TYPE 2-3	TYPE 2-3	TYPE 2-3	TYPE 2-3	-	-	
Special Treatment	Î Î							
Steep Section Length	300	-	510	200	-	-	-	-

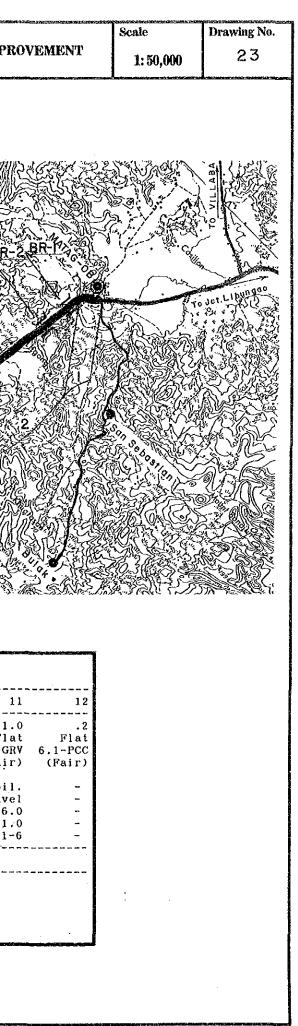


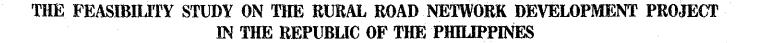
PRESENT CONDITION AND PROPOSED IMPROVEMENT

Road No: N20-1 Road Name: MATAG-OB - PALOMPON ROAD Location : MATAG-OB & PALOMPON, LEYTE

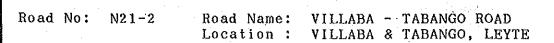


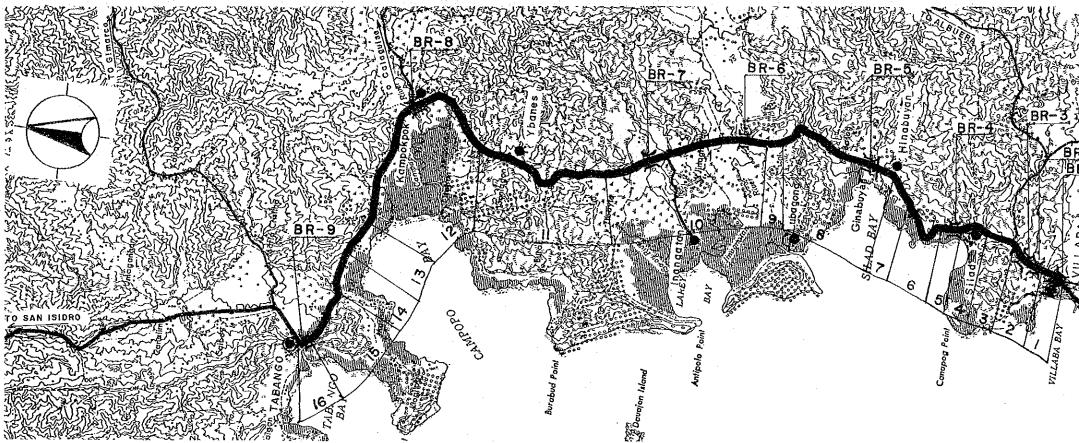
Road Classification Total Length	Seconda 21.5 km	•	(National	Road)							
Sub-section No.	1	2	3	4	5	6	.7	8	9	10	1
Length (km)	.3	1.6	.3	.4	4.9	.2	7.4	.5	.8	3.9	1.
Terrain	Flat	Flat	Rolling	Flat	Mt'nous	Mt'nous	Mt'nous	Mt'nous	Mt'nous	Rolling	Fla
Existing Road Surface	6.1-PCC	6.0-GRV	6.0~GRV	6.0-GRV	6.0-GR						
	(Good)	(Fair)	· (Fair)	(Bad)	(Fair						
Proposed Improvement						,					•
Improvement Type	· •••	Rehabil.	Rehabil,	Rehabil.	Rehabil						
Surface Type	~*	Gravel			Gravel	Gravel	Gravel	Gravel	Gravel	Gravel	Grave
Carriageway Width(m)	-	6.0				6.0	6.0	6.0	6.0	6.0	6.
Shoulder Width (m)		1.0		1.0					.5		
Ref. Typical Section		TYPE 1-6	TYPE 1-6	TYPE 1-6	TYPE 1-6	TYPE 1-6	TYPE 1-6	TYPE 1-6	TYPE 1-6	TYPE 1-6	TYPE 1-
Bridge No.	BR-1	BR-2	BR-3	BR-4	BR-5						
Existing Type	Bailey	Timber	Timber'	Timber	Concrete						
Length (m)	22	18	7	9	58						
Proposed Type	2Lane-Br	2Lane-Br	2Lane-Br	2Lane-Br	-						
Length (m)	22	18	7	9							
No. of Spans	1	1	1	1	-						





PRESENT CONDITION AND PROPOSED IMPROVEMENT





	Seconda 15.6 km		(National	Road)									
Sub-section No.	1	2	3	4	5	6	7	8	9	10	11	12	1:
Length (km)	.5	, 6	.4	.4	.3	.9	3	1.9	.2	2.3	2.0	3.4	
Terrain I	Rolling	Flat	Rolling	Rolling	Flat	Rolling	Rolling	· Flat	Flat	- Flat	Rolling	Flat	Rolling
Existing Road Surface	6.0-GRΥ	6.7-BTM	6.7-BTM	6.0-GRV	6.0-GRY	6.0-GRV	6.0-GRV	6.0-GRV	6.0-GRV	6.0-GRV	6.0-GRV	6.0-GRV	6.0-GR
	(Bad)	(Bad)	(Bad)	(Bad)	(Bad)	(Fair)	(Fair)	(Fair)	(Fair)	(Bad)	(Bad)	(Bad)	(Fair)
Proposed Improvement									· · · · ·				
Improvement Type													
Surface Type													Gravel
Carriageway Width(m)						6.0			6.0	6.0			
Shoulder Width (m)!										1.0	.5		
Ref. Typical Section: Special Treatment	TIPE 1-6	TYPE 1~4	TYPE 1-4	TYPE 1-6	TYPE 1-6	TYPE 1-6	TYPE 1-6	TIPE 1-t					
Flood Section Length													500
Heighti		-	-	· -	-	-				-	-	· -	500 1.7
11016111					_								
Bridge No.	BR-1	BR-2	BR→3	BR-4	BR-5	BR-6	BR-7	BR-8	BR-9				
Existing Type	Bailey	Concrete	`Concrete	Concrete	Concrete	Bailey	Timber	Bailey	Bailey				~~~~~~
Length (m) 1	12	7	18	6	6	21	12	30	30				
Proposed Type 1	2Lane-Br	· _ ·	-	-	-	2Lane-Br		2Lane-Br		,			
Length (m) 1	12	-	-		_	21	12	30	30				
No. of Spans	· 1		-	-	<.	1	1	1	2				

