

REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS & HIGHWAYS

Feasibility Study
on
The Rural Road Network Development Project

FINAL REPORT (Volume 22)

DRAWINGS FOR ROAD PROJECTS
IN
THE PROVINCE OF SAMAR

OCTOBER, 1990

JAPAN INTERNATIONAL COOPERATION AGENCY

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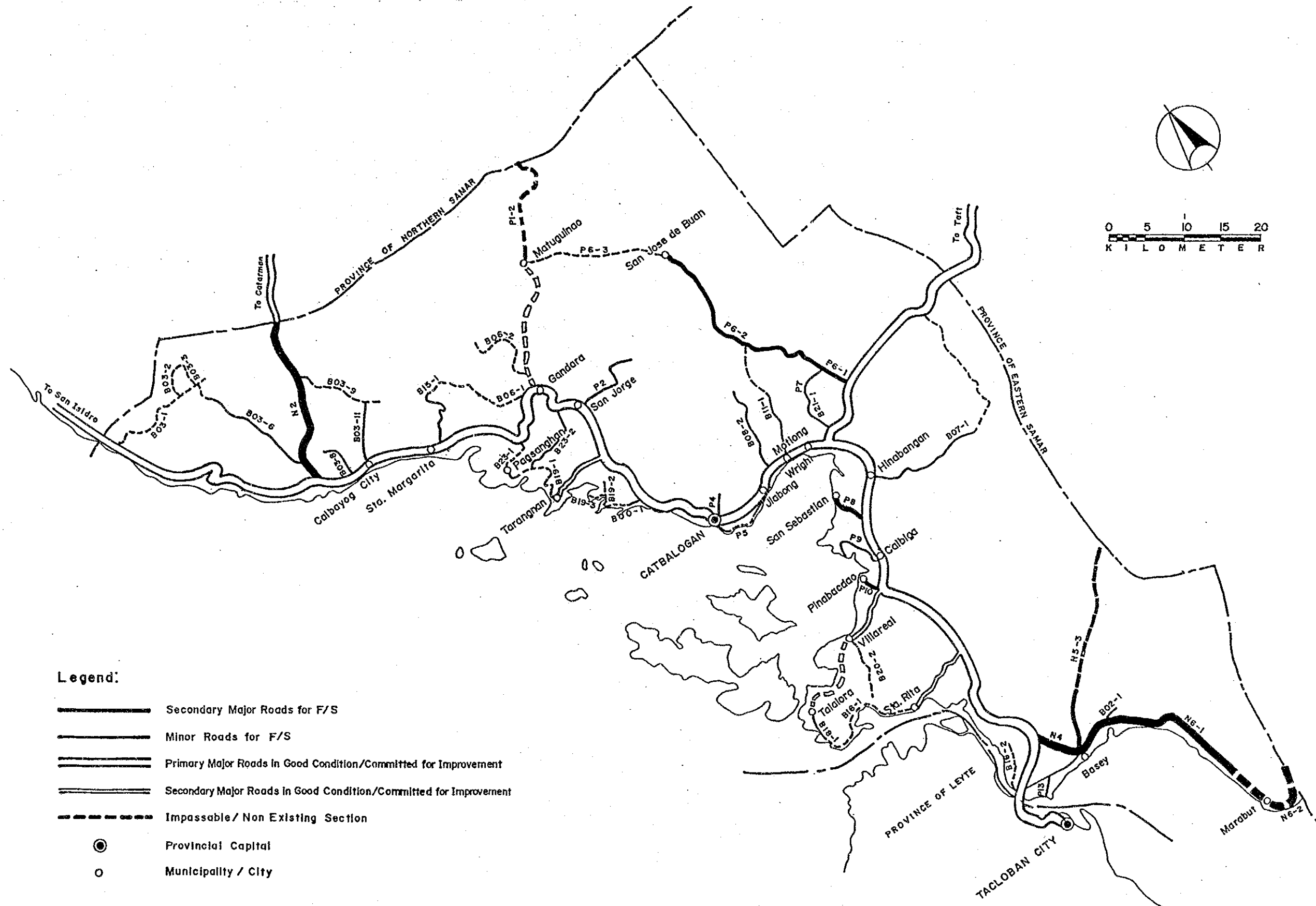
Drawing No.

Title

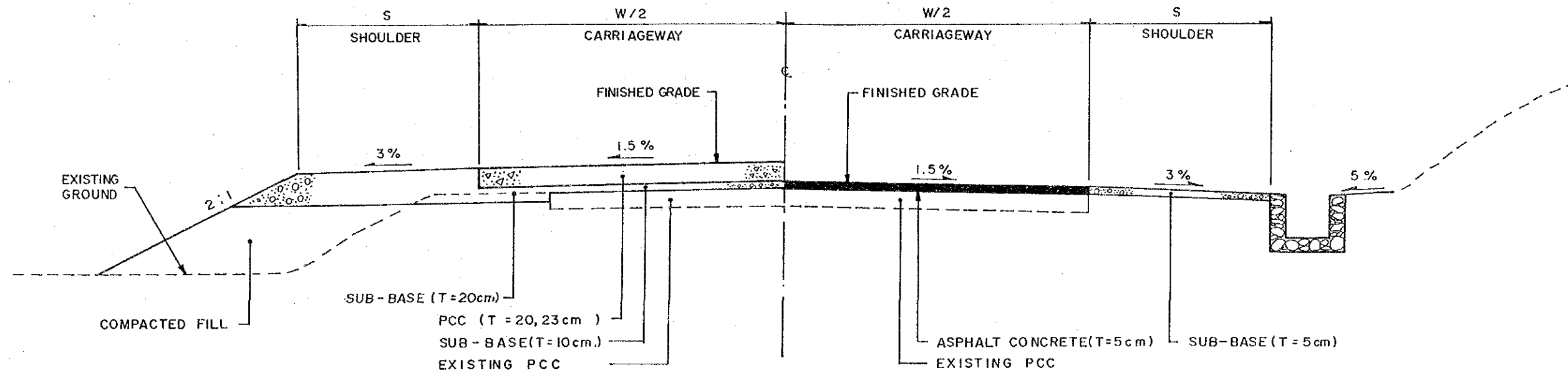
1	LOCATION MAP
2 to 9	TYPICAL ROAD SECTIONS
10 to 53	PRESENT CONDITION AND PROPOSED IMPROVEMENT

LIST OF ROADS

Road Class	Road No.	Drawing No.	Road Class	Road No.	Drawing No.	Road Class	Road No.	Drawing No.
Primary Major Road	N2	10 & 11	Minor Road	P6 - 3	28	Minor Road	B06 - 2	40
	N4	12		P7	29		B07 - 1	41 & 42
	N6 - 1	13 & 14		P9	30		B08 - 2	43
	N6 - 2	15		P13	31		B11 - 1	44
Secondary Major Road	N5 - 3	16 & 17		B00 - 1	32		B15 - 1	45 & 46
	P1 - 2	18		B02 - 1	32		B16 - 1	47
	P6 - 1	19		B03 - 1	33		B16 - 2	48
	P6 - 2	20 & 21		B03 - 2	34		B18 - 1	49
	P8	22		B03 - 3	34		B19 - 1	48
	P10	23		B03 - 6	35		B19 - 2	50
	B23 - 1	24		B03 - 8	36		B19 - 3	50
Minor Road	P2	25		B03 - 9	37		B20 - 2	51
	P4	26		B03 - 11	38		B21 - 1	52
	P5	27		B06 - 1	39		B23 - 2	53



LOCATION OF F/S ROADS



TYPE 1-1

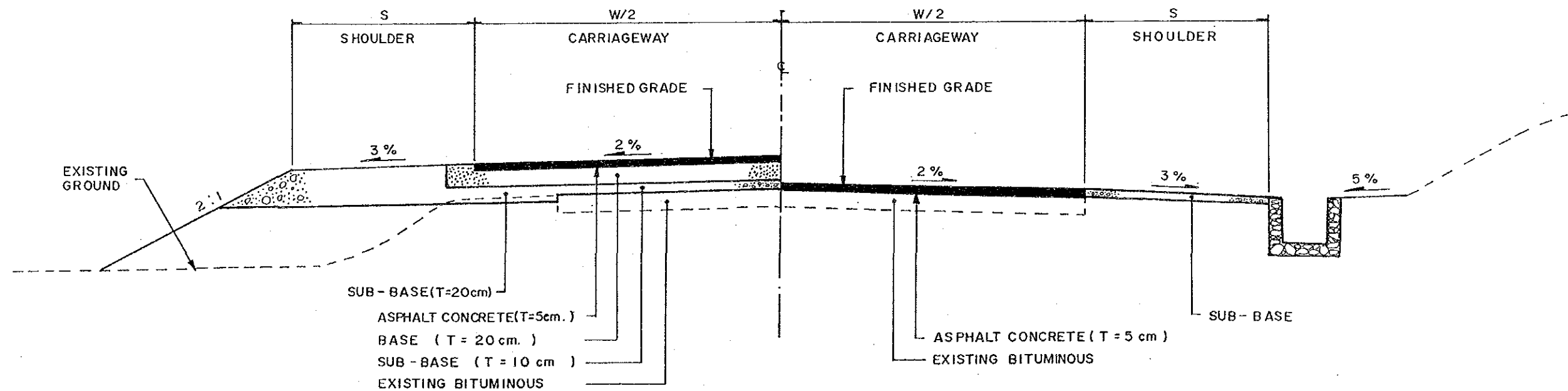
PROPOSED PAVEMENT : PCC

EXISTING PAVEMENT : PCC (BAD / VERY BAD)

TYPE 1-2

PROPOSED PAVEMENT : ASPHALT CONCRETE OVERLAY

EXISTING PAVEMENT : PCC (BAD / VERY BAD)



TYPE 1-3

PROPOSED PAVEMENT : ASPHALT CONCRETE

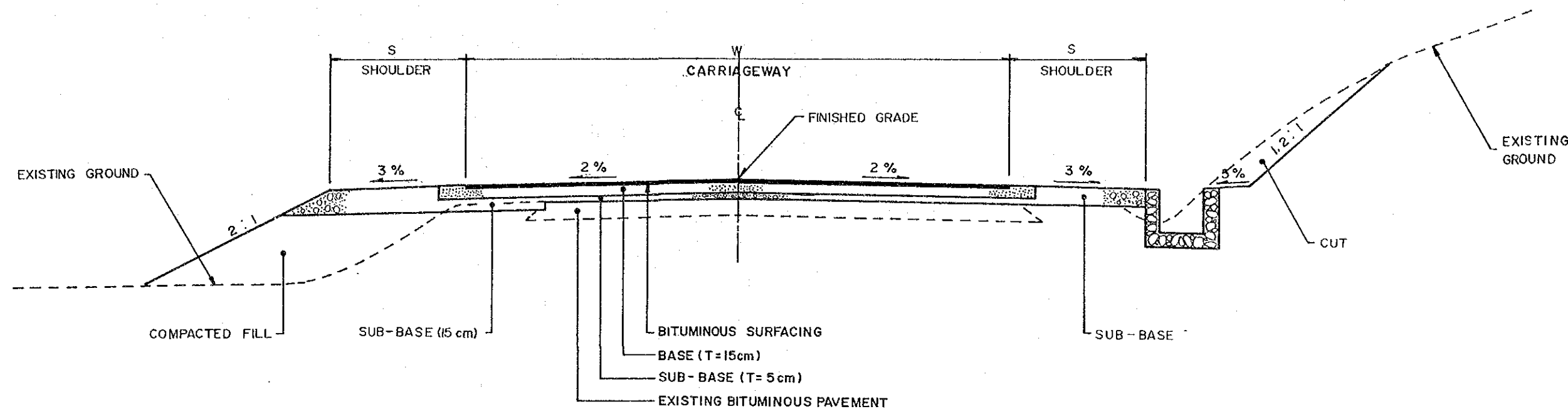
EXISTING PAVEMENT : BITUMINOUS (BAD / VERY BAD)

TYPE 1-4

PROPOSED PAVEMENT : ASPHALT CONCRETE OVERLAY

EXISTING PAVEMENT ; BITUMINOUS (BAD / VERY BAD)

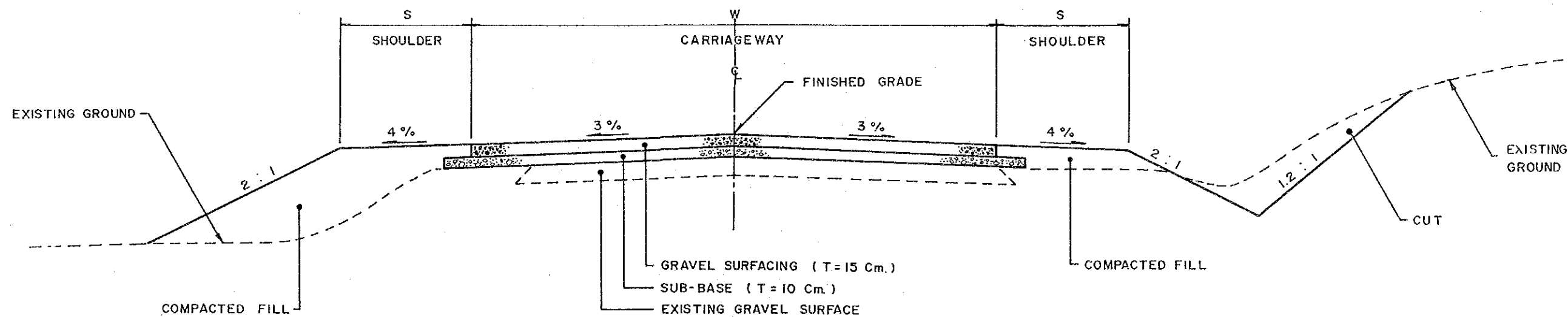
REHABILITATION (1)



TYPE I-5

PROPOSED PAVEMENT : BITUMINOUS MACADAM/DOUBLE BITUMINOUS SURFACE TREATMENT

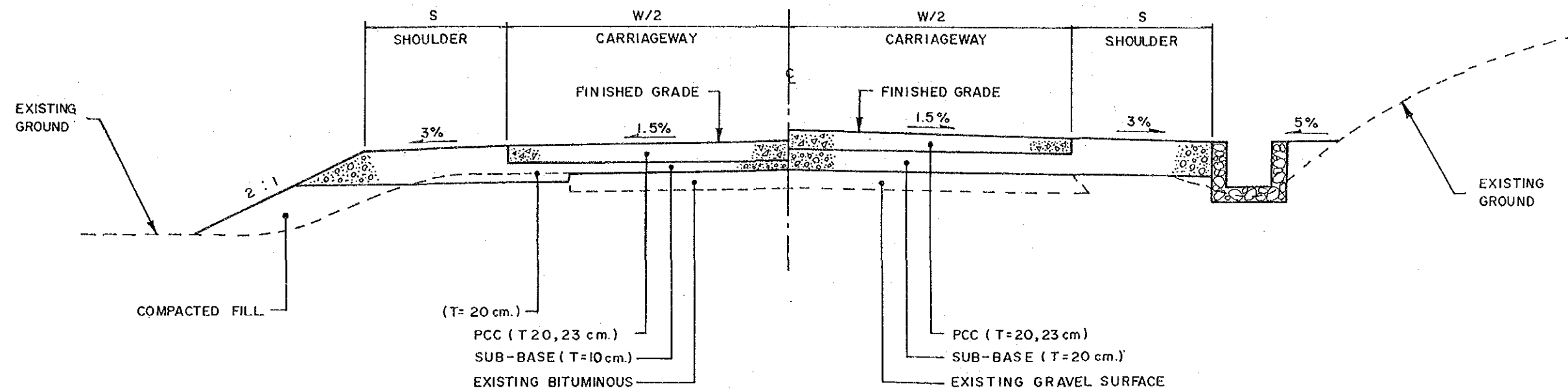
EXISTING PAVEMENT : BITUMINOUS (BAD / VERY BAD)



TYPE I-6

PROPOSED PAVEMENT : GRAVEL SURFACING

EXISTING PAVEMENT : GRAVEL SURFACING (BAD / VERY BAD)



TYPE 2-1

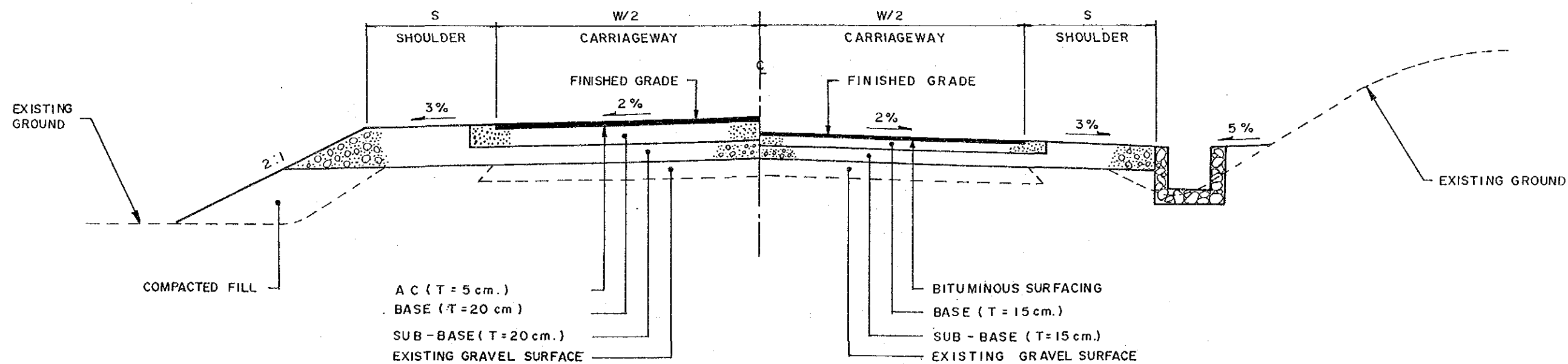
PROPOSED PAVEMENT : PCC

EXISTING PAVEMENT : BITUMINOUS (BAD/VERY BAD)

TYPE 2-2

PROPOSED PAVEMENT : PCC

EXISTING PAVEMENT : GRAVEL SURFACING (BAD/VERY BAD)



TYPE 2-3

PROPOSED PAVEMENT : ASPHALT CONCRETE

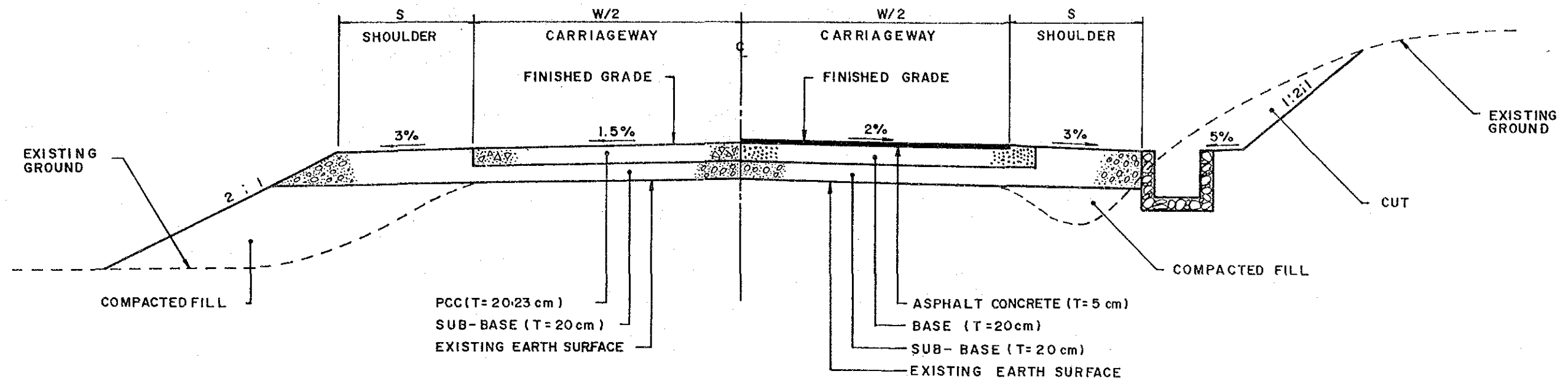
EXISTING PAVEMENT : GRAVEL SURFACING
(BAD/VERY BAD)

TYPE 2-4

PROPOSED PAVEMENT : BITUMINOUS MACADAM / DOUBLE BITUMINOUS
SURFACE TREATMENT

EXISTING PAVEMENT : GRAVEL SURFACING (BAD/VERY BAD)

IMPROVEMENT-I (I)

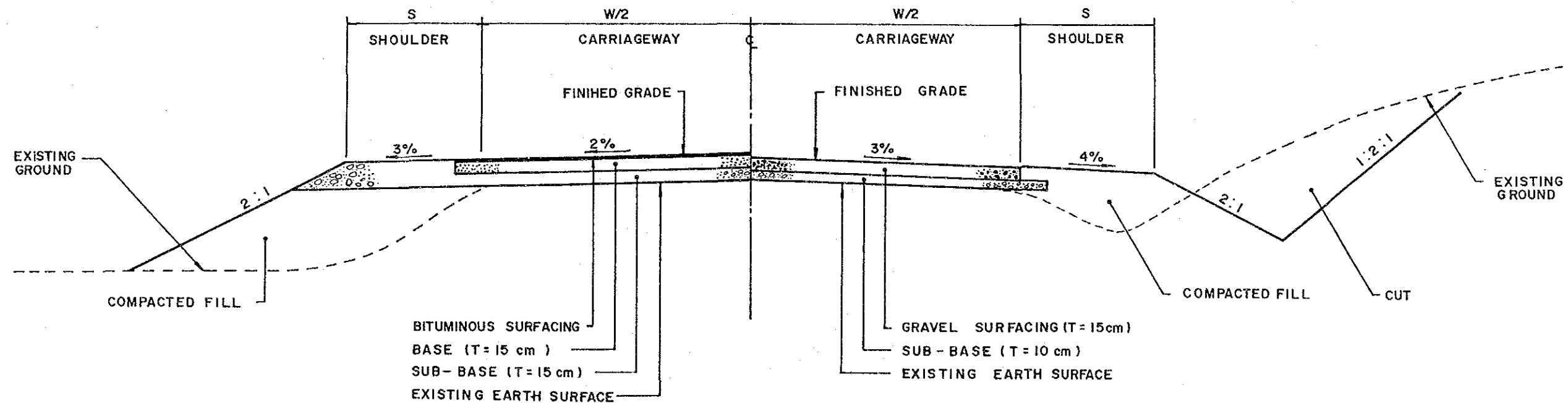


TYPE 2-5

PROPOSED PAVEMENT : PCC
EXISTING PAVEMENT : EARTH SURFACE

TYPE 2-6

PROPOSED PAVEMENT : ASPHALT CONCRETE
EXISTING PAVEMENT : EARTH SURFACE



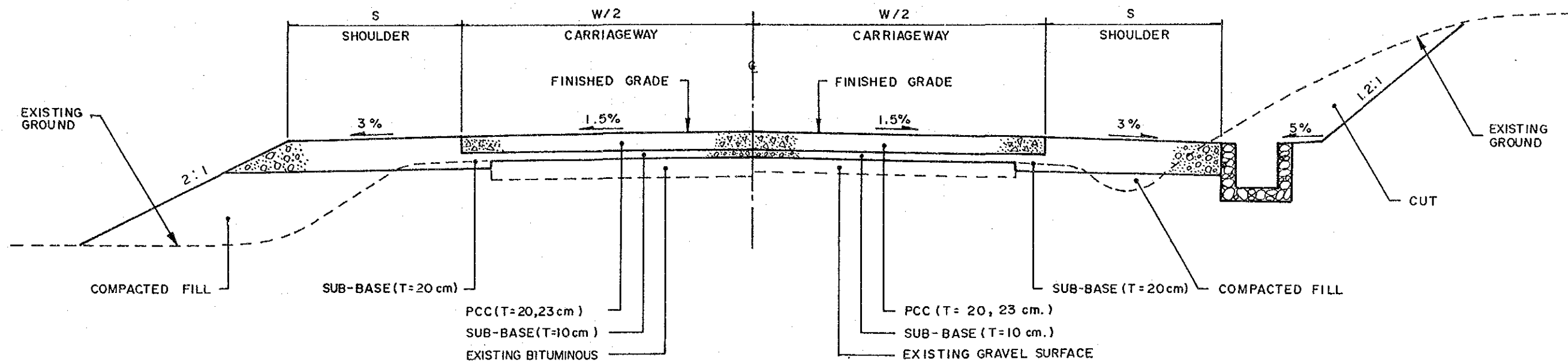
TYPE 2-7

PROPOSED PAVEMENT : BITUMINOUS MACADAM/
DOUBLE BITUMINOUS
SURFACE TREATMENT
EXISTING PAVEMENT : EARTH SURFACE

TYPE 2-8

PROPOSED PAVEMENT : GRAVEL SURFACING
EXISTING PAVEMENT : EARTH SURFACING

IMPROVEMENT - I (2)

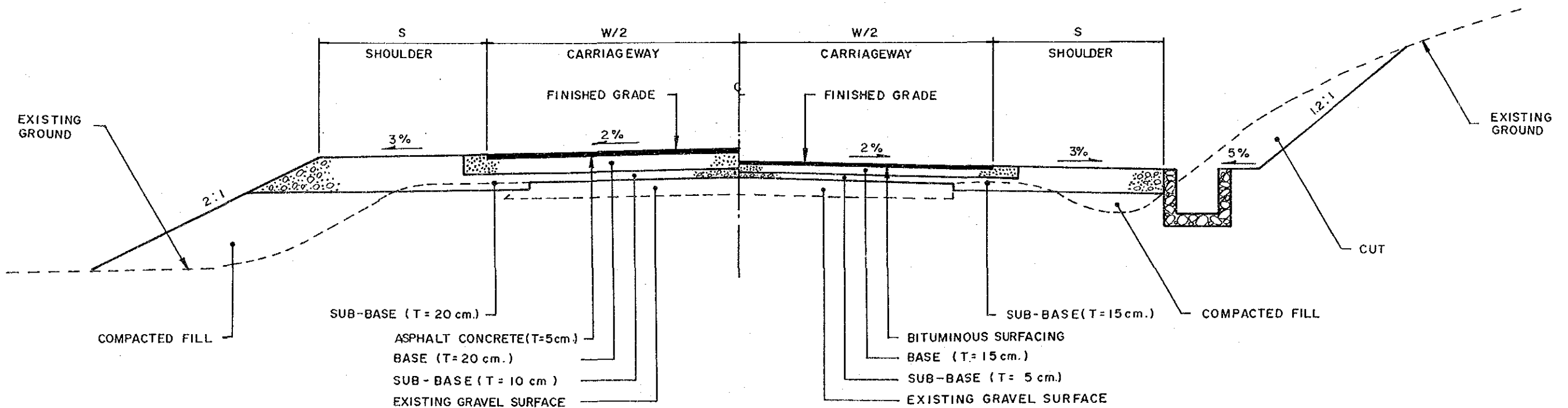


TYPE 3-1

PROPOSED PAVEMENT : PCC
EXISTING PAVEMENT : BITUMINOUS (Good/Fair)

TYPE 3-2

PROPOSED PAVEMENT : PCC
EXISTING PAVEMENT : GRAVEL SURFACING (Good/Fair)



TYPE 3-3

PROPOSED PAVEMENT : ASPHALT CONCRETE
EXISTING PAVEMENT : GRAVEL SURFACING (Good/Fair)

TYPE 3-4

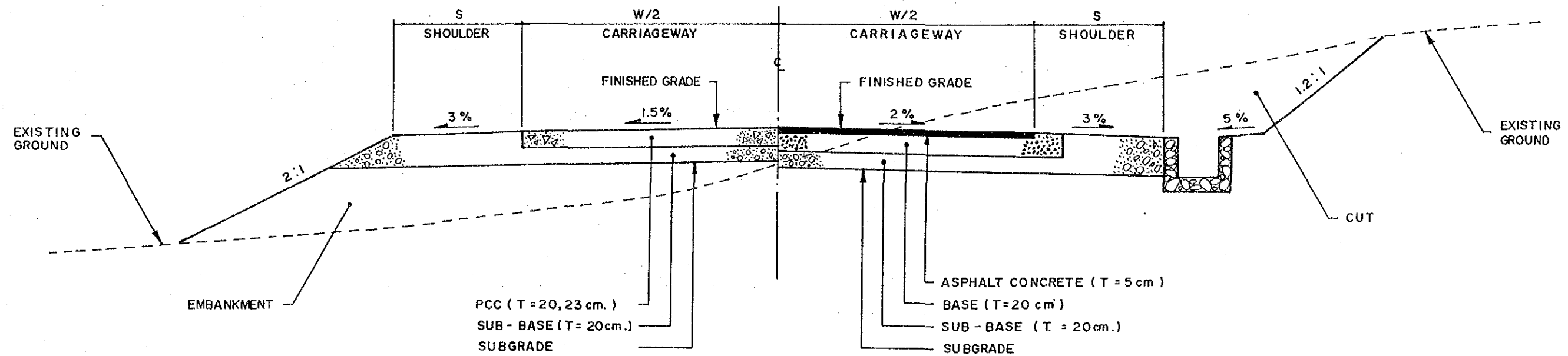
PROPOSED PAVEMENT : BITUMINOUS MACADAM/DOUBLE BITUMINOUS SURFACE TREATMENT
EXISTING PAVEMENT : GRAVEL SURFACING (Good/Fair)

IMPROVEMENT-2

TYPE 4-2
PROPOSED PAVEMENT : ASPHALT CONCRETE
EXISTING PAVEMENT : ASPHALT CONCRETE

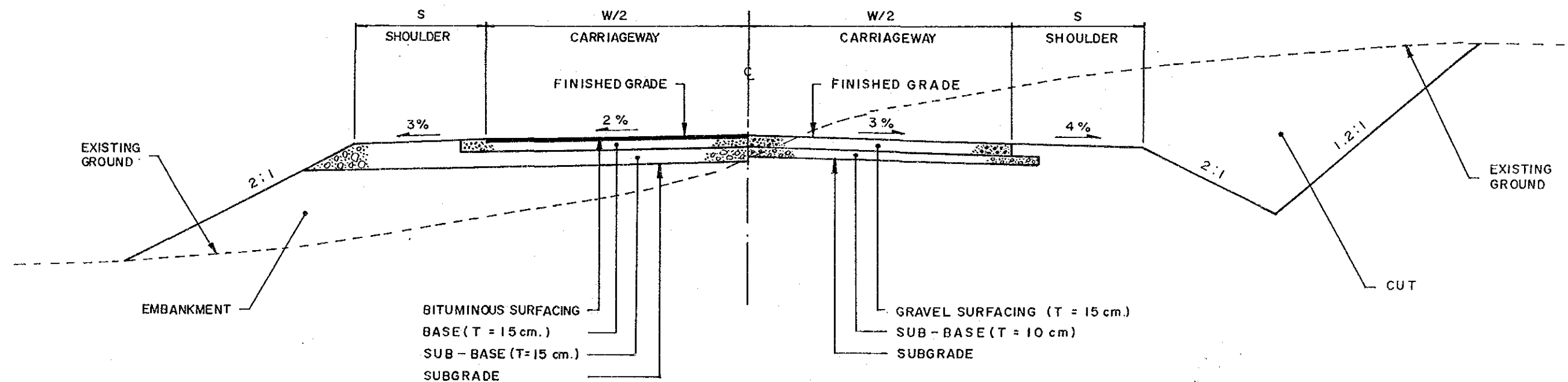
TYPE 4-4
PROPOSED PAVEMENT : GRAVEL SURFACING
EXISTING PAVEMENT : GRAVEL SURFACING

WIDENING



TYPE 5-1
PROPOSED PAVEMENT : PCC

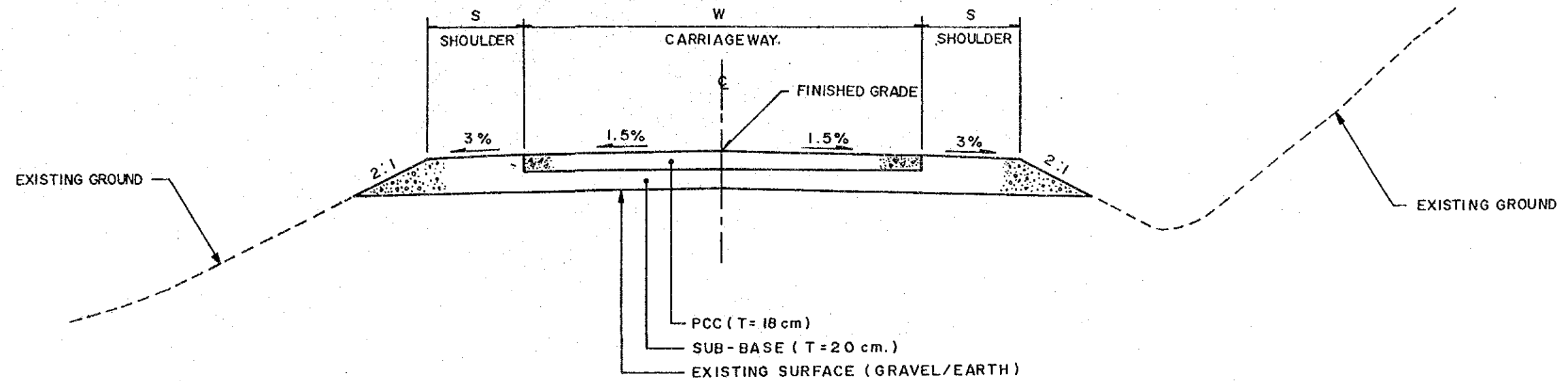
TYPE 5-2
PROPOSED PAVEMENT : ASPHALT CONCRETE



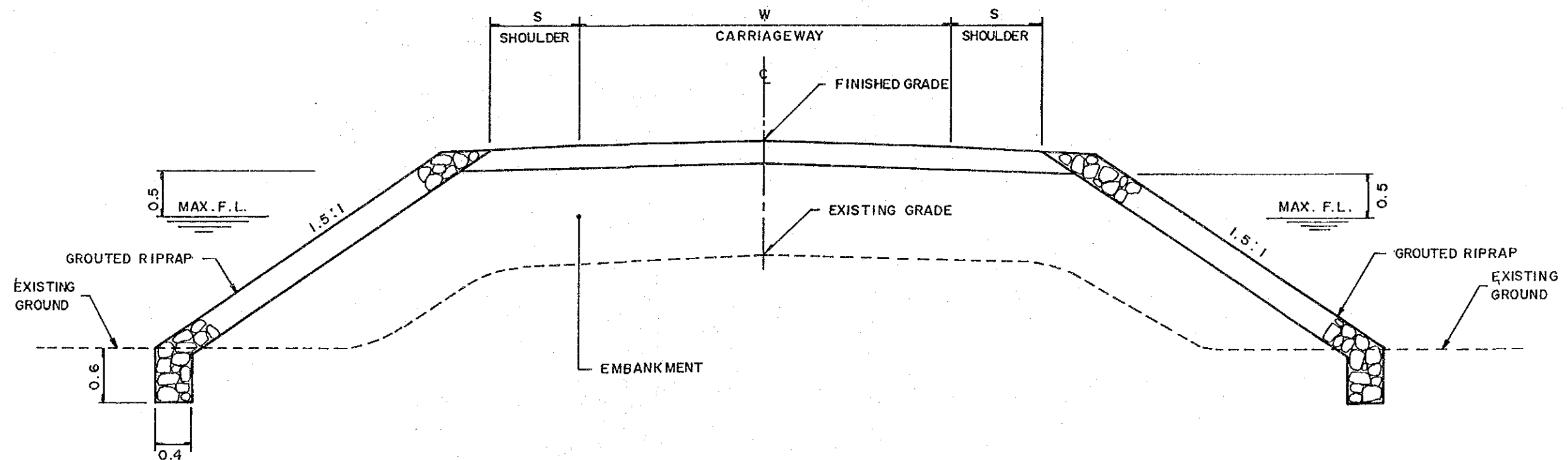
TYPE 5-3
PROPOSED PAVEMENT : BITUMINOUS MACADAM/
DOUBLE BITUMINOUS
SURFACE TREATMENT

TYPE 5-4
PROPOSED PAVEMENT : GRAVEL SURFACING

NEW CONSTRUCTION



TYPE 6
PCC PAVEMENT FOR STEEP GRADIENT SECTIONS



TYPE 7
GRADE RAISING SECTIONS IN FLOOD AREA

THE FEASIBILITY STUDY ON THE RURAL ROAD NETWORK DEVELOPMENT PROJECT IN THE REPUBLIC OF THE PHILIPPINES

PRESENT CONDITION AND PROPOSED IMPROVEMENT

Scale

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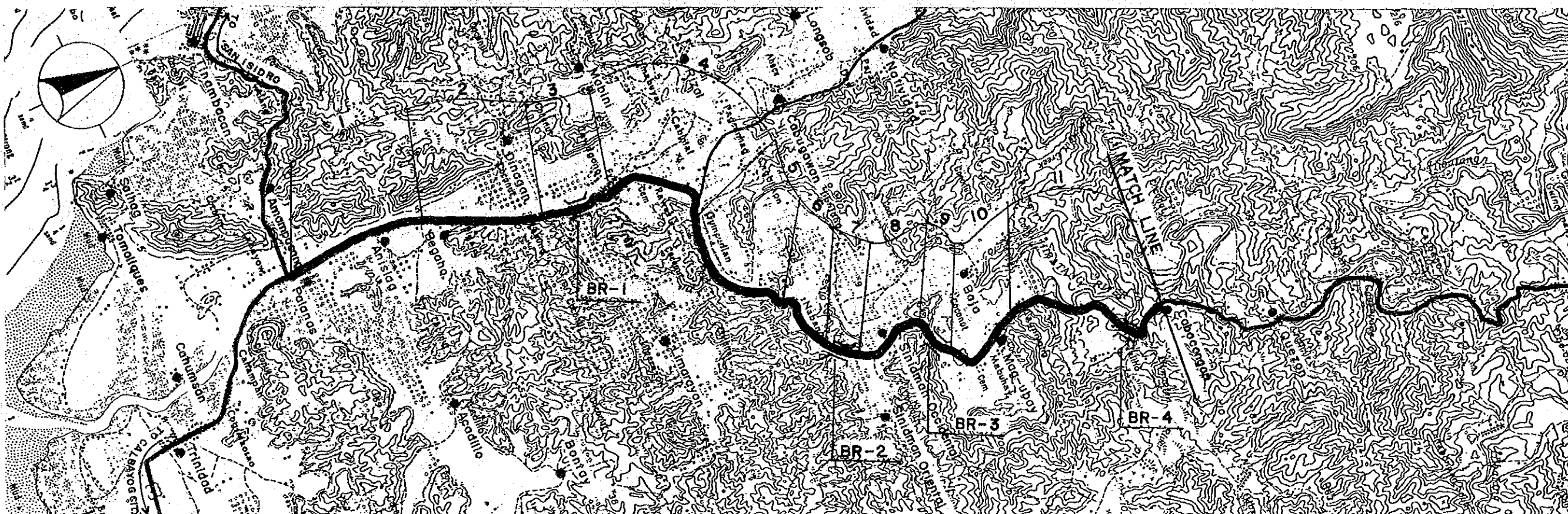
Drawing No.

10

Road No: N2

Road Name: LONOY JCT. - CATARMAN ROAD

Location: CALBAYOG CITY, SAMAR



Road Classification	Primary Major (National Road)										
Total Length	25.2 km										
Sub-section No.	1	2	3	4	5	6	7	8	9	10	11
Length (km)	1.7	1.4	.8	1.5	2.0	.8	.5	.9	.5	.6	2.0
Terrain	Flat	Flat	Flat	Flat	Mt'nous	Flat	Flat	Flat	Flat	Flat	Flat
Existing Road Surface	6.0-PCC (Fair)	6.0-PCC (Fair)	6.0-PCC (Fair)	6.0-PCC (Fair)	6.0-PCC (Fair)	6.0-PCC (Fair)	6.0-GRV (Bad)	6.0-PCC (Fair)	6.0-GRV (Bad)	6.0-PCC (Fair)	6.0-GRV (Bad)
Proposed Improvement	-	-	-	-	-	-	Impr.-1	Rehabil.	Impr.-1	Rehabil.	Impr.-1
Improvement Type	-	-	-	-	-	-	PCC	PCC	PCC	PCC	* BMP
Surface Type	-	-	-	-	-	-	6.0	6.0	6.0	6.0	6.0
Carriageway Width(m)	-	-	-	-	-	-	2.5	2.5	2.5	2.5	2.0
Shoulder Width (m)	-	-	-	-	-	-	TYPE 2-2	TYPE 1-1	TYPE 2-2	TYPE 1-1	TYPE 2-4
Ref. Typical Section	-	-	-	-	-	-	-	-	-	-	-
Special Treatment	-	-	-	-	-	-	-	-	-	-	-
Flood Section Length	-	-	-	-	-	-	500	900	500	600	800
Height	-	-	-	-	-	-	3.0	2.5	2.0	2.5	1.0
Slope Protection (Embank't Slop)	-	-	-	-	-	-	-	-	100	-	-
Bridge No.	BR-1	BR-2	BR-3	BR-4							
Existing Type	Concrete	Concrete	Concrete	Concrete							
Length (m)	36	20	30	46							
Proposed Type	-	-	-	-							
Length (m)	-	-	-	-							
No. of Spans	-	-	-	-							

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

**THE FEASIBILITY STUDY ON THE RURAL ROAD NETWORK DEVELOPMENT PROJECT
IN THE REPUBLIC OF THE PHILIPPINES**

PRESENT CONDITION AND PROPOSED IMPROVEMENT

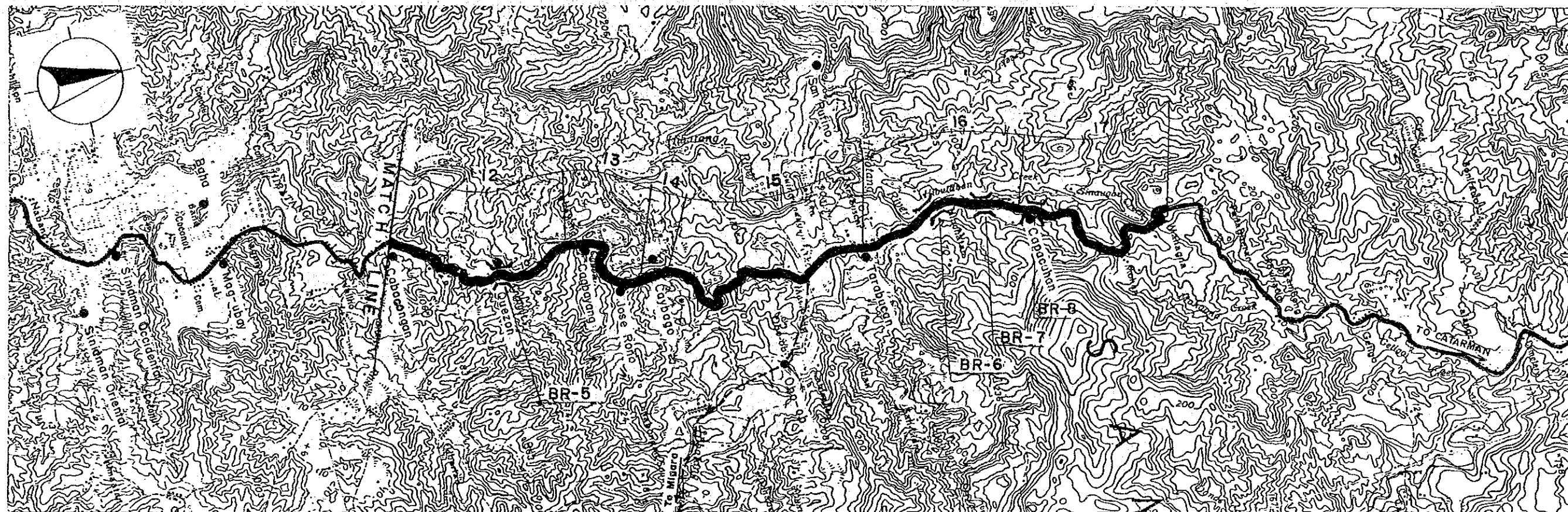
Scale
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Drawing No.
11

Road No: N2

Road Name: LONoy JCT. - CATARMAN ROAD

Location: CALBAYOG CITY, SAMAR



Road Classification						
Total Length						
Sub-section No.	12	13	14	15	16	17
Length (km)	2.5	1.2	.5	3.3	2.4	2.6
Terrain	Mt'nous	Rolling	Flat	Mt'nous	Flat	Mt'nous
Existing Road Surface	6.0-GRV (Bad)	6.0-GRV (Bad)	6.0-GRV (Bad)	6.0-GRV (Bad)	6.0-GRV (V.Bad)	5.5-GRV (Bad)
Proposed Improvement	Impr.-1	Impr.-1	Impr.-1	Impr.-1	Impr.-1	Impr.-1
Improvement Type	* BMP	* BMP	* BMP	* BMP	* BMP	* BMP
Surface Type	* BMP	* BMP	* BMP	* BMP	* BMP	* BMP
Carriageway Width(m)	6.0	6.0	6.0	6.0	6.0	6.0
Shoulder Width (m)	1.0	1.5	2.0	1.0	2.0	1.0
Ref. Typical Section	TYPE 2-4	TYPE 2-4	TYPE 2-4	TYPE 2-4	TYPE 2-4	TYPE 2-4
Special Treatment						
Flood Section Length	-	-	-	-	100	-
Height	-	-	-	-	2.0	-
Slope Protection (Embank't Slop)	-	-	-	-	-	-
Bridge No.	BR-5	BR-6	BR-7	BR-8		
Existing Type	Timber	Concrete	Concrete	Concrete		
Length (m)	7	40	18	15		
Proposed Type	2cell-BC	-	-	-		
Length (m)	7	-	-	-		
No. of Spans	2	-	-	-		

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

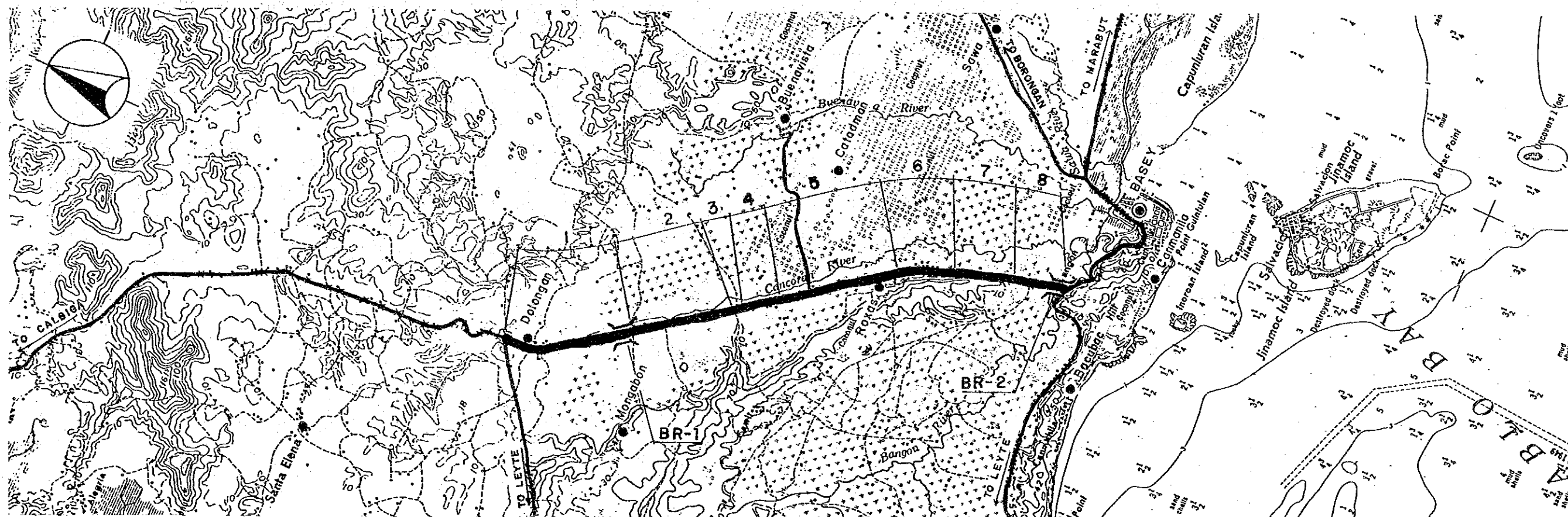
**THE FEASIBILITY STUDY ON THE RURAL ROAD NETWORK DEVELOPMENT PROJECT
IN THE REPUBLIC OF THE PHILIPPINES**

PRESENT CONDITION AND PROPOSED IMPROVEMENT

Scale
1:50,000

Drawing No.
12

Road No: N4 Road Name: DOLONGAN - BASEY ROAD
Location : BASEY, SAMAR



Road Classification	Primary Major (National Road)							
Total Length	6.8 km							
Sub-section No.	1	2	3	4	5	6	7	8
Length (km)	1.6	1.2	.1	.5	1.4	.7	.7	.6
Terrain	Flat	Flat	Flat	Flat	Flat	Flat	Flat	Flat
Existing Road Surface	4.0-GRV (Bad)	4.0-GRV (Bad)	4.0-GRV (Bad)	4.0-GRV (Bad)	4.0-GRV (Bad)	4.0-GRV (Bad)	4.0-GRV (Bad)	4.0-GRV (Bad)
Proposed Improvement	Impr.-1	Impr.-1	Impr.-1	Impr.-1	Impr.-1	Impr.-1	Impr.-1	Impr.-1
Improvement Type	* BMP	* BMP	* BMP	* BMP	* BMP	* BMP	* BMP	* BMP
Surface Type	* BMP	* BMP	* BMP	* BMP	* BMP	* BMP	* BMP	* BMP
Carriageway Width(m)	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Shoulder Width (m)	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
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 2-4
Bridge No.	BR-1		BR-2					
Existing Type	Timber		Timber					
Length (m)	6		24					
Proposed Type	2cell-BC		2Lane-Br					
Length (m)	6		24					
No. of Spans	2		1					

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

THE FEASIBILITY STUDY ON THE RURAL ROAD NETWORK DEVELOPMENT PROJECT IN THE REPUBLIC OF THE PHILIPPINES

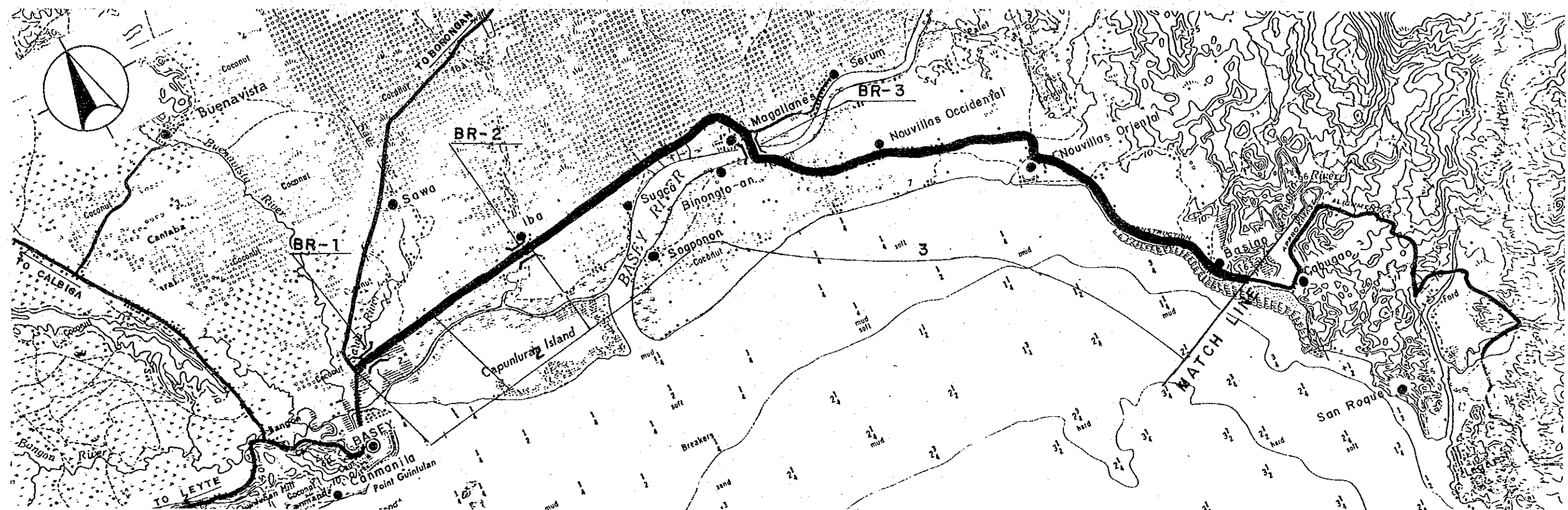
PRESENT CONDITION AND PROPOSED IMPROVEMENT

Scale
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Drawing No.
13

Road No: N6-1

Road Name: BASEY - MARABUT ROAD
Location: BASEY & MARABUT, SAMAR



Road Classification	Primary Major (National Road)		
Total Length	37.1 km		
Sub-section No.	1	2	3
Length (km)	1.2	1.3	9.6
Terrain	Flat	Flat	Flat
Existing Road Surface	5.5-GRV (Bad)	5.5-GRV (Bad)	3.2-GRV (V.Bad)
Proposed Improvement	Impr.-1	Impr.-1	Impr.-1
Improvement Type	* BMP	* BMP	* BMP
Surface Type			
Carriageway Width(m)	6.0	6.0	6.0
Shoulder Width (m)	2.0	2.0	2.0
Ref. Typical Section	TYPE 2-4	TYPE 2-4	TYPE 2-4
Bridge No.	BR-1	BR-2	BR-3
Existing Type	Bailey	Concrete	Ford-Cr.
Length (m)	16	23	-
Proposed Type	2Lane-Br	-	2Lane-Br
Length (m)	16	-	146
No. of Spans	1	-	6

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

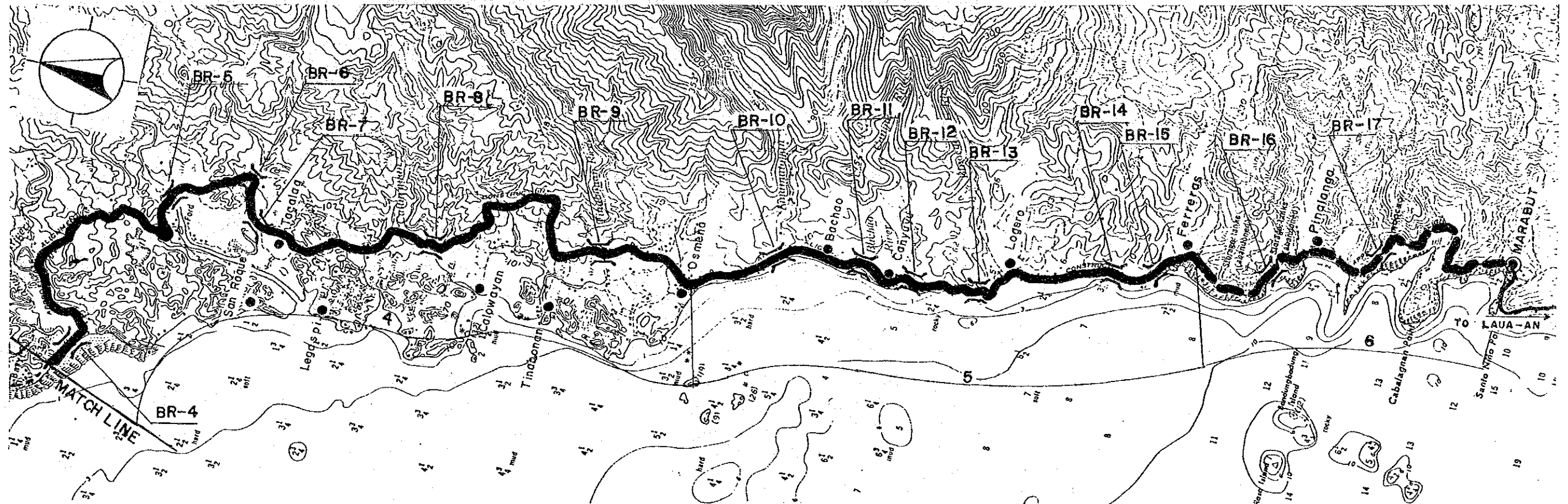
**THE FEASIBILITY STUDY ON THE RURAL ROAD NETWORK DEVELOPMENT PROJECT
IN THE REPUBLIC OF THE PHILIPPINES**

PRESENT CONDITION AND PROPOSED IMPROVEMENT

Scale
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Drawing No.
14

Road No: N6-1 Road Name: BASEY - MARABUT ROAD
Location : BASEY & MARABUT, SAMAR



Road Classification Total Length															
Sub-section No.		4	5	6											
Length (km)		13.1	6.7	5.2											
Terrain		Rolling	Rolling	Rolling											
Existing Road Surface		3.2-GRV (V.Bad)	4.5-GRV (Fair)	Non Ex- isting											
Proposed Improvement		Impr.-1	Impr.-2	New Con.											
Improvement Type															
Surface Type		* BMP	* BMP	* BMP											
Carriageway Width(m)		6.0	6.0	6.0											
Shoulder Width (m)		1.5	1.5	1.5											
Ref. Typical Section		TYPE 2-4	TYPE 3-4	TYPE 5-3											
Bridge No.		BR-4	BR-5	BR-6	BR-7	BR-8	BR-9	BR-10	BR-11	BR-12	BR-13	BR-14	BR-15	BR-16	BR-17
Existing Type		Bailey	Bailey	Ford-Cr.	Ford-Cr.	Ford-Cr.	Ford-Cr.	Timber	Timber	Timber	Timber	Timber	Timber	Ford-Cr.	Ford-Cr.
Length (m)		49	140	-	-	-	-	42	30	30	60	18	30	-	-
Proposed Type		2Lane-Br	2Lane-Br	2Lane-Br	2Lane-Br	2Lane-Br	2Lane-Br	2Lane-Br	2Lane-Br	2Lane-Br	2Lane-Br	2Lane-Br	2Lane-Br	2Lane-Br	2Lane-Br
Length (m)		49	140	48	48	36	20	42	30	30	60	18	30	30	30
No. of Spans		2	6	2	2	2	1	2	2	2	3	1	2	2	2

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

THE FEASIBILITY STUDY ON THE RURAL ROAD NETWORK DEVELOPMENT PROJECT IN THE REPUBLIC OF THE PHILIPPINES

PRESENT CONDITION AND PROPOSED IMPROVEMENT

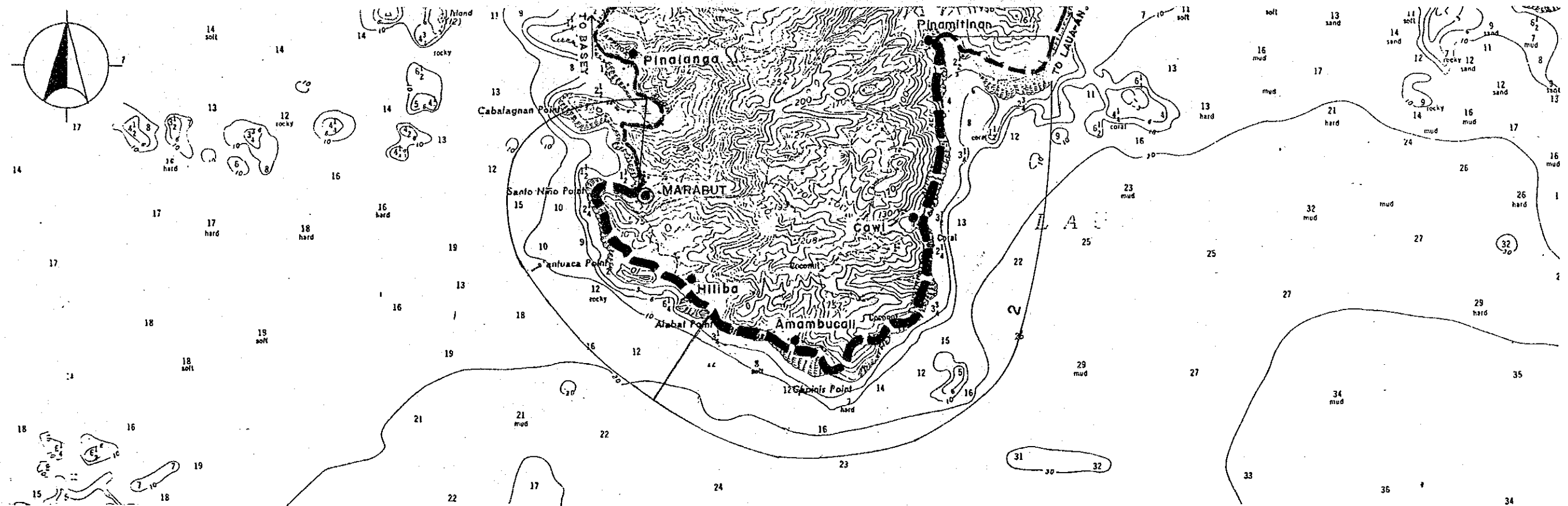
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Drawing No.
15

Road No: N6-2

Road Name: MARABUT - E.S. BOUNDARY ROAD

Location: MARABUT, SAMAR



Road Classification	Primary Major Road (National Road)	
Total Length	13.3 km	
Sub-section No.	1	2
Length (km)	4.0	9.3
Terrain	Rolling	Mt'nous
Existing Road Surface	Non Ex-isting	Non Ex-isting
Proposed Improvement	New Con. New Con.	
Improvement Type	* BMP	* BMP
Surface Type	* BMP	* BMP
Carriageway Width(m)	6.0	6.0
Shoulder Width (m)	1.5	1.0
Ref. Typical Section	TYPE 5-3	TYPE 5-3

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

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PRESENT CONDITION AND PROPOSED IMPROVEMENT

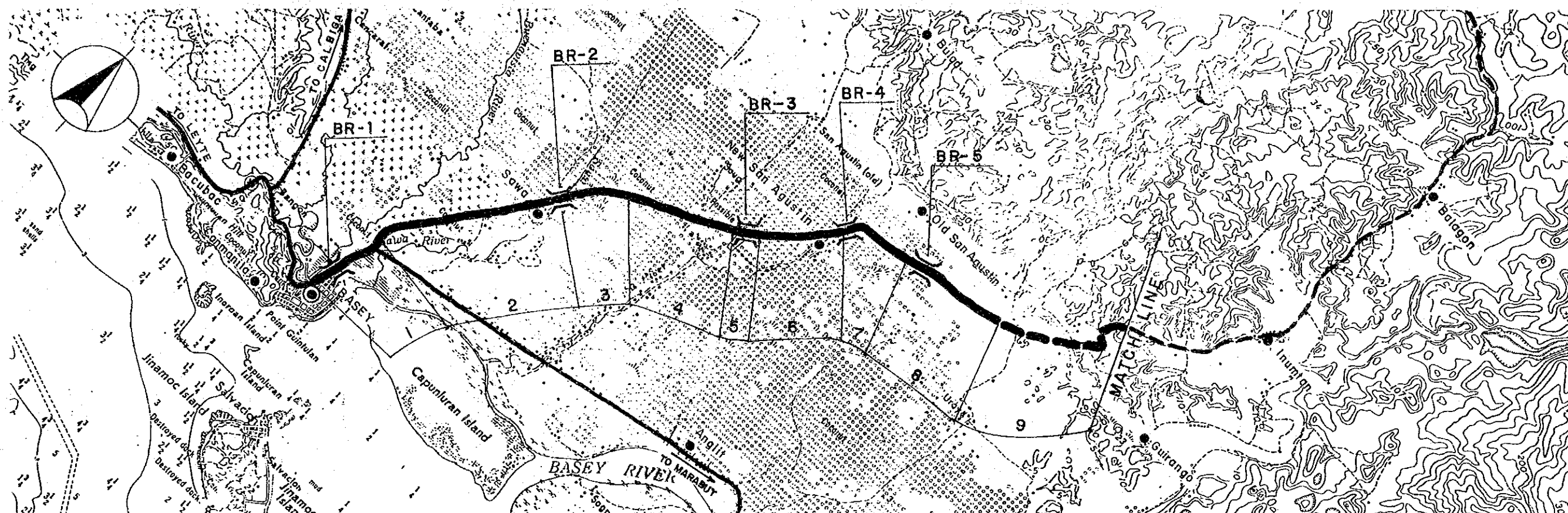
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Drawing No.
16

Road No: N5-3

Road Name: SAN JUANICO - BASEY - E.S. BOUNDARY ROAD

Location: BASEY, SAMAR



Road Classification	Secondary Major (National Road)								
Total Length	30.2 km								
Sub-section No.	1	2	3	4	5	6	7	8	9
Length (km)	1.0	2.2	.8	1.3	.3	1.0	.9	1.8	1.7
Terrain	Flat	Flat	Flat	Flat	Flat	Flat	Flat	Flat	Flat
Existing Road Surface	6.0-GRV (Bad)	6.0-GRV (Bad)	6.0-GRV (Bad)	6.0-GRV (Bad)	6.0-GRV (Bad)	6.0-GRV (Bad)	6.0-GRV (Bad)	6.0-EAR (Bad)	Non Ex- isting
Proposed Improvement	Rehabil.	Rehabil.	Rehabil.	Rehabil.	Rehabil.	Rehabil.	Rehabil.	Impr.-1	New Con.
Improvement Type	Gravel	Gravel	Gravel	Gravel	Gravel	Gravel	Gravel	Gravel	Gravel
Surface Type	Gravel	Gravel	Gravel	Gravel	Gravel	Gravel	Gravel	Gravel	Gravel
Carriageway Width(m)	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Shoulder Width (m)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
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 2-8	TYPE 5-4
Bridge No.	BR-1	BR-2	BR-3	BR-4	BR-5				
Existing Type	Concrete	Concrete	Concrete	Concrete	Timber				
Length (m)	89	13	24	18	4				
Proposed Type	-	-	-	-	1cell-BC				
Length (m)	-	-	-	-	4				
No. of Spans	-	-	-	-	1				

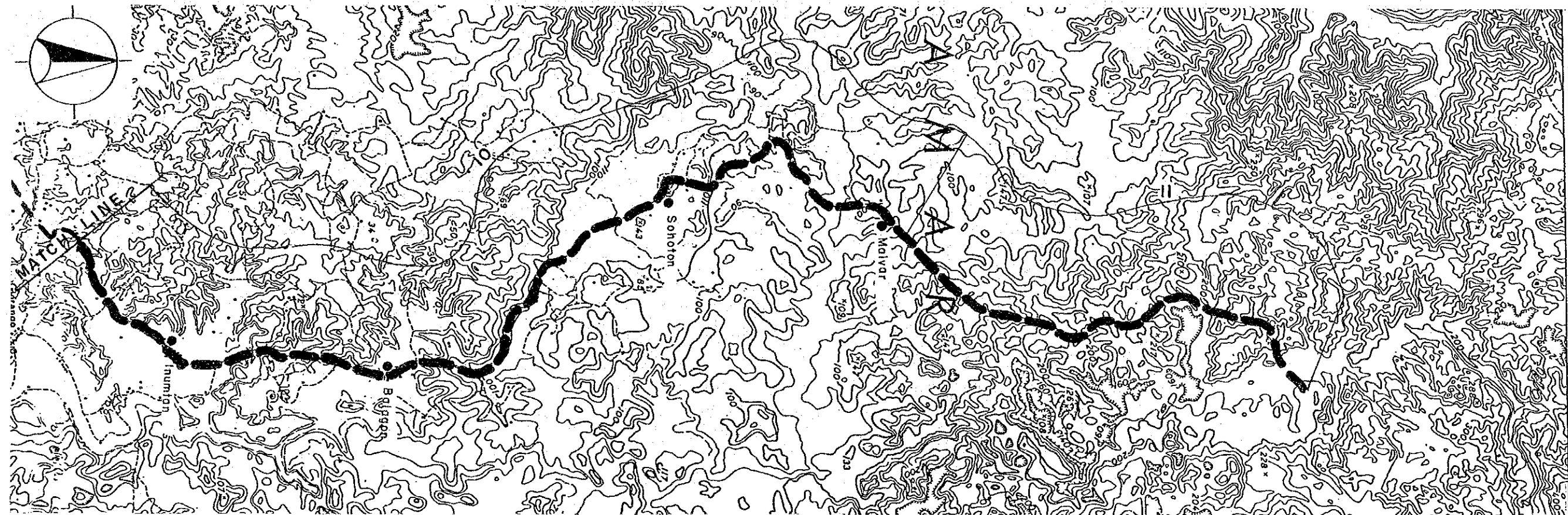
**THE FEASIBILITY STUDY ON THE RURAL ROAD NETWORK DEVELOPMENT PROJECT
IN THE REPUBLIC OF THE PHILIPPINES**

PRESENT CONDITION AND PROPOSED IMPROVEMENT

Scale
1:50,000

Drawing No.
17

Road No: N5-3 Road Name: SAN JUANICO - BASEY - E.S. BOUNDARY ROAD
Location : BASEY, SAMAR



Road Classification		
Total Length		
Sub-section No.	10	11
Length (km)	13.0	6.2
Terrain	Rolling	Mt'nous
Existing Road Surface	Non Ex-isting	Non Ex-isting
Proposed Improvement	New Con.	New Con.
Improvement Type	Gravel	Gravel
Surface Type	6.0	6.0
Carriageway Width(m)	.5	.5
Shoulder Width (m)	TYPE 5-4	TYPE 5-4
Ref. Typical Section		
Bridge No.		
Existing Type		
Length (m)		
Proposed Type		
Length (m)		
No. of Spans		

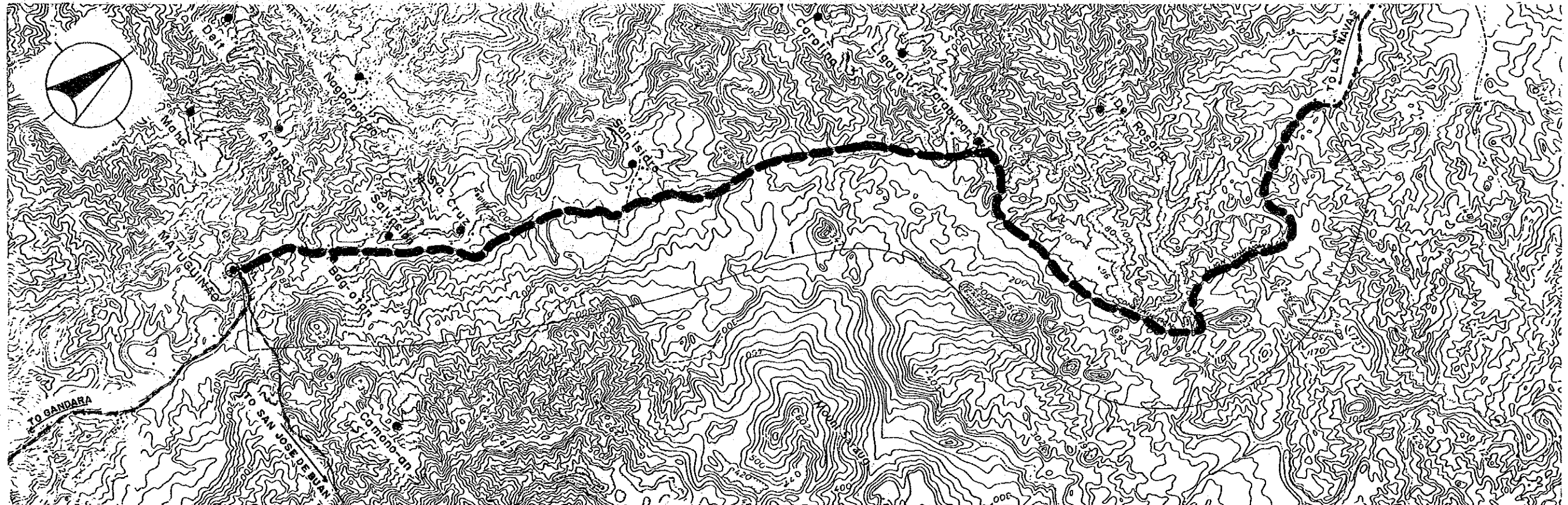
**THE FEASIBILITY STUDY ON THE RURAL ROAD NETWORK DEVELOPMENT PROJECT
IN THE REPUBLIC OF THE PHILIPPINES**

PRESENT CONDITION AND PROPOSED IMPROVEMENT

Scale
1:50,000

Drawing No.
18

Road No: P1-2 Road Name: MATUGUINAO - N.S. BOUNDARY ROAD
Location : MATUGUINAO, SAMAR



Road Classification	Second'y Major Rd (Provincial Road)
Total Length	18.0 km
Sub-section No.	1
Length (km)	18.0
Terrain	Rolling
Existing Road Surface	Non Ex-isting
Proposed Improvement	New Con.
Improvement Type	Gravel
Surface Type	
Carriageway Width(m)	6.0
Shoulder Width (m)	.5
Ref. Typical Section	TYPE 5-4

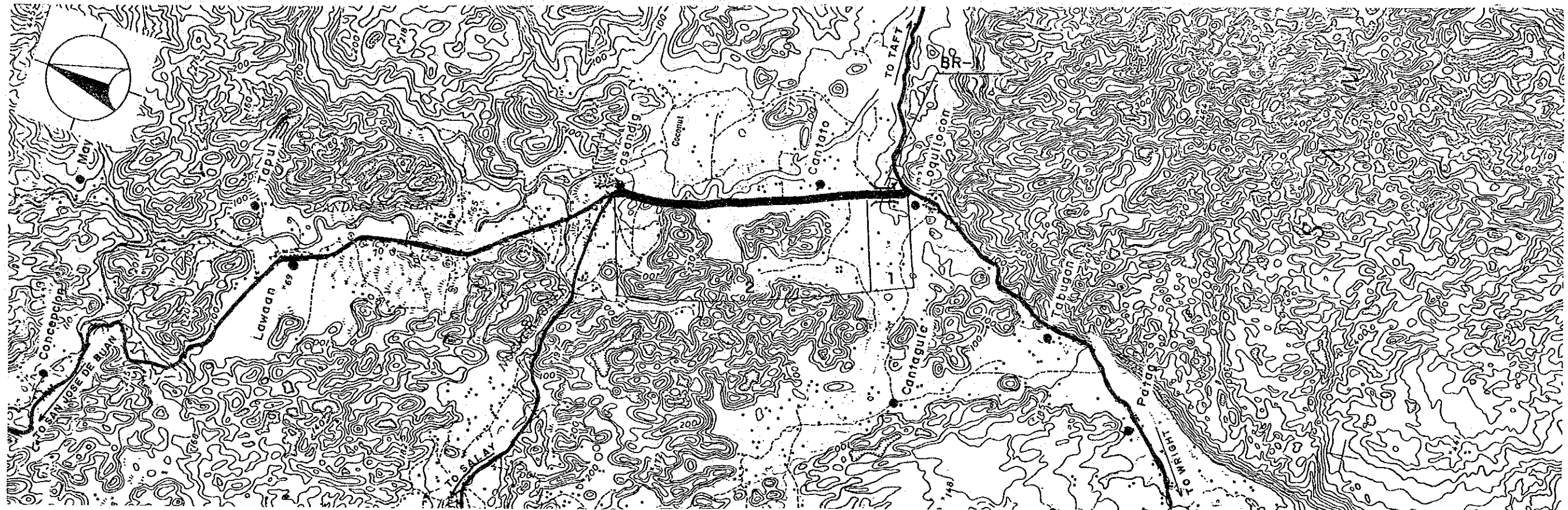
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PRESENT CONDITION AND PROPOSED IMPROVEMENT

Scale
1:50,000

Drawing No.
19

Road No: P6-1 Road Name: LOKILOKON - CASANDIG ROAD
Location : WRIGHT, SAMAR



Road Classification	Second'y Major Rd (Provincial Road)	
Total Length	3.9 km	
Sub-section No.	1	2
Length (km)	.5	3.4
Terrain	Flat	Flat
Existing Road Surface	4.0-GRV (Bad)	4.5-GRV (V.Bad)
Proposed Improvement	Rehabil.	Rehabil.
Improvement Type	Gravel	Gravel
Surface Type	Gravel	Gravel
Carriageway Width(m)	6.0	6.0
Shoulder Width (m)	1.0	1.0
Ref. Typical Section	TYPE 1-6	TYPE 1-6
Special Treatment		
Flood Section Length	500	-
Height	1.0	-
Bridge No.	BR-1	
Existing Type	Concrete	
Length (m)	43	
Proposed Type	2Lane-Br	
Length (m)	43	
No. of Spans	2	

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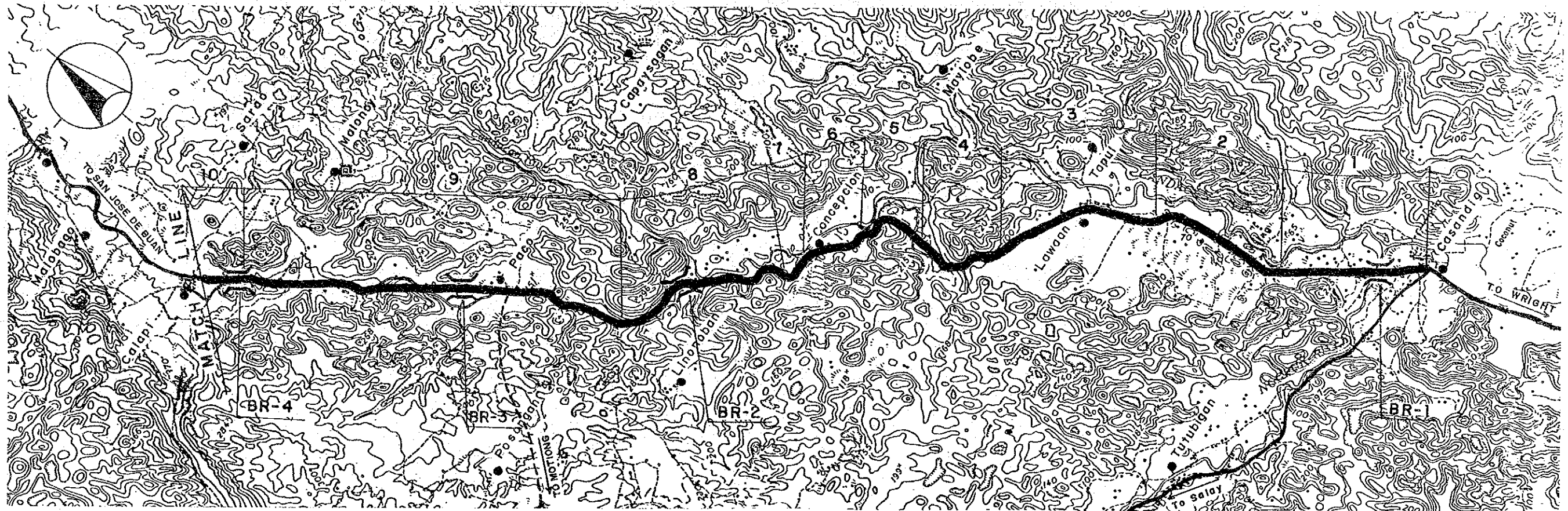
Scale
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Drawing No.
20

Road No: P6-2

Road Name: CASANDIG - SAN JOSE DE BUAN ROAD

Location: WRIGHT, MOTIONG & SAN JOSE DE BUAN, SAMAR



Road Classification	Secondary Major (Provincial Road)									
Total Length	32.8 km									
Sub-section No.	1	2	3	4	5	6	7	8	9	10
Length (km)	1.8	1.8	2.0	1.3	1.0	.8	.4	2.5	4.7	.6
Terrain	Flat	Rolling	Flat	Mt'nous	Rolling	Flat	Rolling	Mt'nous	Flat	Rolling
Existing Road Surface	4.0-GRV (V.Bad)	4.0-GRV (V.Bad)	4.5-GRV (V.Bad)	4.0-GRV (V.Bad)	4.0-GRV (V.Bad)	4.0-GRV (V.Bad)	4.0-GRV (V.Bad)	4.0-GRV (V.Bad)	4.0-GRV (V.Bad)	4.0-GRV (V.Bad)
Proposed Improvement	Rehabil.	Rehabil.	Rehabil.	Rehabil.	Rehabil.	Rehabil.	Rehabil.	Rehabil.	Rehabil.	Rehabil.
Improvement Type	Gravel	Gravel	Gravel	Gravel	Gravel	Gravel	Gravel	Gravel	Gravel	Gravel
Surface Type	Gravel	Gravel	Gravel	Gravel	Gravel	Gravel	Gravel	Gravel	Gravel	Gravel
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)	1.0	.5	1.0	.5	.5	1.0	.5	.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	TYPE 1-6	TYPE 1-6
Special Treatment	-	-	-	-	-	-	-	-	-	-
Steep Section Length	-	-	-	-	-	-	-	300	-	-
Bridge No.	BR-1	BR-2	BR-3	BR-4		BR-6	BR-7	BR-8	BR-9	BR-10
Existing Type	Bailey	Bailey	Bailey	Timber						
Length (m)	26	18	7	18						
Proposed Type	2Lane-Br	2Lane-Br	2cell-BC	2Lane-Br						
Length (m)	26	18	7	18						
No. of Spans	1	1	2	1						

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Scale

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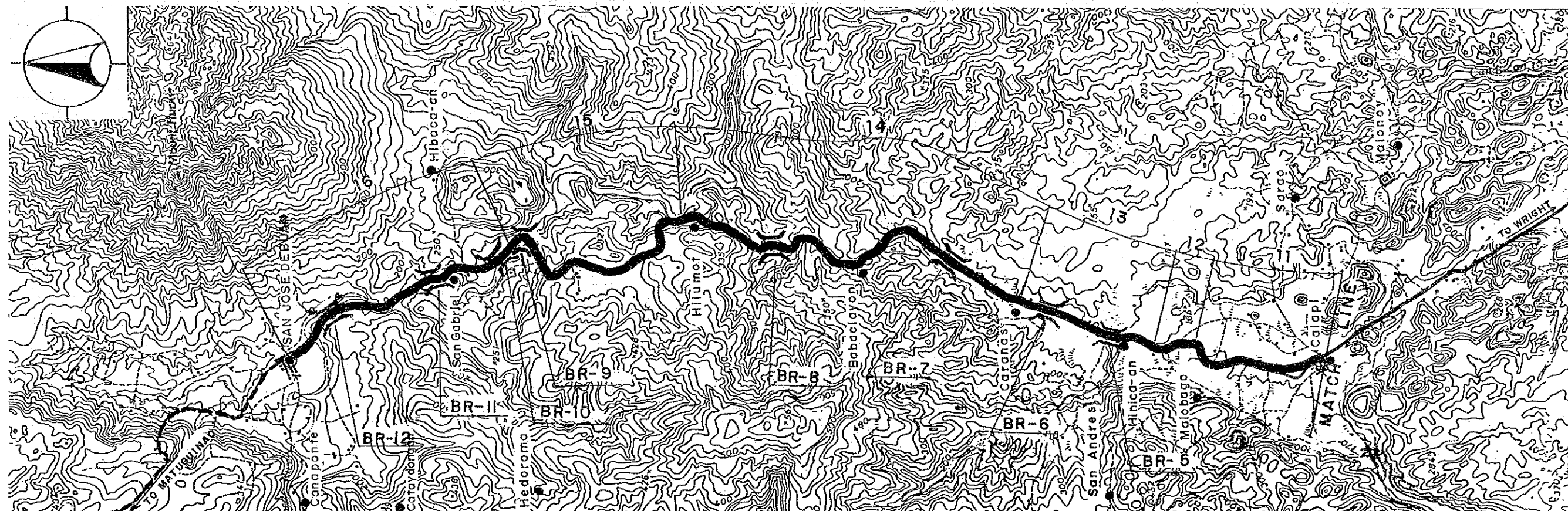
Drawing No.

21

Road No: P6-2

Road Name: CASANDIG - SAN JOSE DE BUAN ROAD

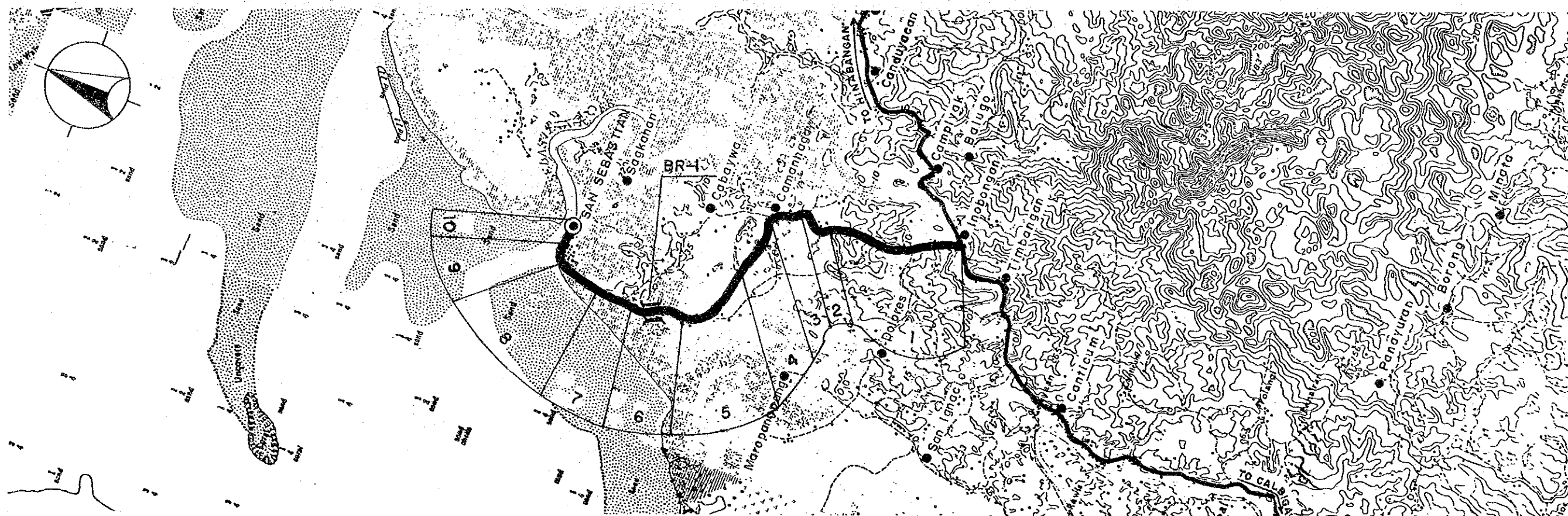
Location: WRIGHT, MOTIONG & SAN JOSE DE BUAN, SAMAR



Road Classification Total Length								
Sub-section No.	11	12	13	14	15	16		
Length (km)	2.1	.6	1.7	5.3	2.6	3.6		
Terrain	Flat	Rolling	Flat	Mt'nous	Rolling	Mt'nous		
Existing Road Surface	4.0-GRV (V.Bad)	4.0-GRV (V.Bad)	4.0-GRV (V.Bad)	4.0-GRV (V.Bad)	3.2-GRV (V.Bad)	3.2-GRV (V.Bad)		
Proposed Improvement								
Improvement Type	Rehabil.	Rehabil.	Rehabil.	Rehabil.	Rehabil.	Rehabil.		
Surface Type	Gravel	Gravel	Gravel	Gravel	Gravel	Gravel		
Carriageway Width(m)	6.0	6.0	6.0	6.0	6.0	6.0		
Shoulder Width (m)	1.0	.5	1.0	.5	.5	.5		
Ref. Typical Section	TYPE 1-6	TYPE 1-6	TYPE 1-6	TYPE 1-6	TYPE 1-6	TYPE 1-6		
Special Treatment								
Steep Section Length	-	180	100	-	-	-		
Bridge No.	BR-5	BR-6	BR-7	BR-8	BR-9	BR-10	BR-11	BR-12
Existing Type	Timber	Bailey	Timber	Bailey	Timber	Ford-Cr.	Ford-Cr.	Ford-Cr.
Length (m)	18	10	9	22	6	-	-	-
Proposed Type	2Lane-Br	2Lane-Br	2Lane-Br	2Lane-Br	2Lane-Br	2Lane-Br	2Lane-Br	2Lane-Br
Length (m)	18	10	9	22	12	18	18	84
No. of Spans	1	1	1	1	1	1	1	4

Drawing No. 22

Road Name: SAN SEBASTIAN FEEDER ROAD
Location : SAN SEBASTIAN, SAMAR



Road Classification	Secondary Major (Provincial Road)									
Total Length	6.7 km									
Sub-section No.	1	2	3	4	5	6	7	8	9	10
Length (km)	1.8	.5	.4	.7	1.2	.6	.4	.7	.2	.2
Terrain	Rolling	Rolling	Rolling	Rolling	Flat	Flat	Flat	Flat	Flat	Flat
Existing Road Surface	4.5-GRV (Bad)	4.0-GRV (V.Bad)	4.5-GRV (V.Bad)	4.5-GRV (V.Bad)	4.5-GRV (V.Bad)	4.5-GRV (V.Bad)	4.5-EAR (V.Bad)	4.5-EAR (V.Bad)	3.0-PCC (Fair)	6.0-PCC (Fair)
Proposed Improvement	Rehabil.	Rehabil.	Rehabil.	Rehabil.	Rehabil.	Rehabil.	Impr.-1	Impr.-1	Widening	-
Improvement Type	Gravel	Gravel	Gravel	Gravel	Gravel	Gravel	Gravel	Gravel	PCC	-
Surface Type	Gravel	Gravel	Gravel	Gravel	Gravel	Gravel	Gravel	Gravel	PCC	-
Carriageway Width(m)	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	-
Shoulder Width (m)	.5	.5	.5	.5	1.0	1.0	1.0	1.0	2.5	-
Ref. Typical Section	TYPE 1-6	TYPE 1-6	TYPE 1-6	TYPE 1-6	TYPE 1-6	TYPE 1-6	TYPE 2-8	TYPE 2-8	TYPE 4-1	-
Special Treatment										
Flood Section Length	-	-	-	-	1000	-	-	-	-	-
Height	-	-	-	-	1.0	-	-	-	-	-
Bridge No.	BR-1									
Existing Type	Timber									
Length (m)	13									
Proposed Type	2Lane-Br									
Length (m)	13									
No. of Spans	1									

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1:50,000

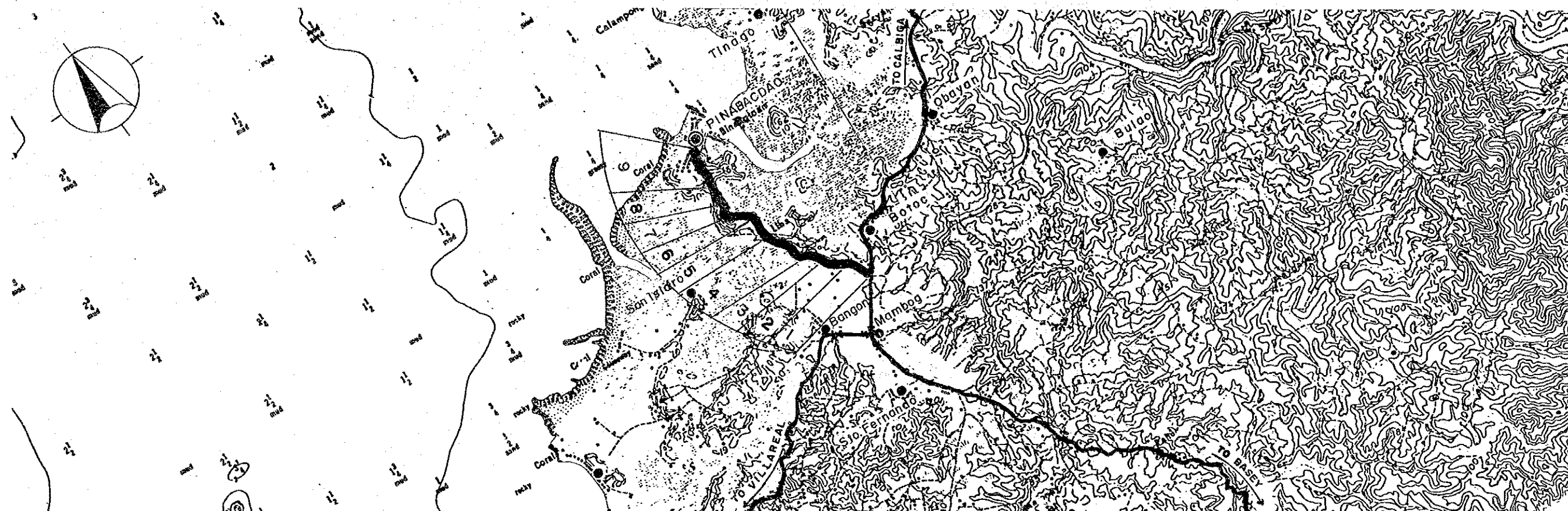
Drawing No.

23

Road No: P10

Road Name: PINABACDAO FEEDER ROAD

Location: PINABACDAO, SAMAR



Road Classification	Secondary Major (Provincial Road)								
Total Length	3.2 km								
Sub-section No.	1	2	3	4	5	6	7	8	9
Length (km)	.3	.4	.2	.6	.3	.3	.3	.3	.5
Terrain	Rolling	Rolling	Rolling	Rolling	Rolling	Rolling	Rolling	Mt'nous	Rolling
Existing Road Surface	5.5-GRV (Bad)	4.5-GRV (Bad)	4.5-GRV (Bad)	4.5-GRV (V.Bad)	4.5-GRV (V.Bad)	3.0-PCC (Good)	4.0-GRV (Bad)	4.0-GRV (Bad)	4.5-GRV (Bad)
Proposed Improvement	Rehabil.	Rehabil.	Rehabil.	Rehabil.	Rehabil.	Widening	Rehabil.	Rehabil.	Rehabil.
Improvement Type	Gravel	Gravel	Gravel	Gravel	Gravel	PCC	Gravel	Gravel	Gravel
Surface Type	Gravel	Gravel	Gravel	Gravel	Gravel	PCC	Gravel	Gravel	Gravel
Carriageway Width(m)	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Shoulder Width (m)	.5	.5	.5	.5	.5	1.5	.5	.5	.5
Ref. Typical Section	TYPE 1-6	TYPE 1-6	TYPE 1-6	TYPE 1-6	TYPE 1-6	TYPE 4-1	TYPE 1-6	TYPE 1-6	TYPE 1-6

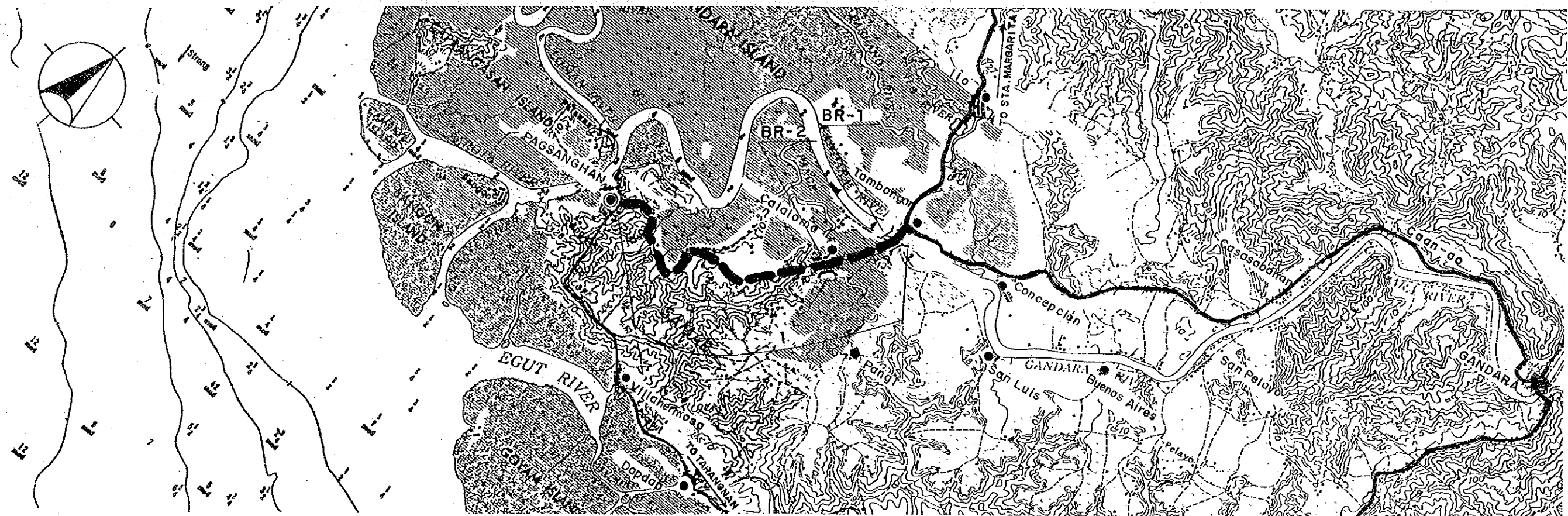
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PRESENT CONDITION AND PROPOSED IMPROVEMENT

Scale
1:50,000

Drawing No.
24

Road No: B23-1 Road Name: TAMBONGAN - PAGESANGHAN ROAD
Location : PAGESANGHAN, SAMAR



Road Classification	Second'y Major Rd (Barangay Road) 4.3 km	
Total Length	4.3 km	
Sub-section No.	1	
Length (km)	4.3	
Terrain	Flat	
Existing Road Surface	Non Ex-isting	
Proposed Improvement	New Con.	
Improvement Type	Gravel	
Surface Type	6.0	
Carriageway Width(m)	1.0	
Shoulder Width (m)	TYPE 5-4	
Ref. Typical Section		
Bridge No.	BR-1	BR-2
Existing Type	Ford-Cr.	Ford-Cr.
Length (m)	-	-
Proposed Type	2Lane-Br	2Lane-Br
Length (m)	120	25
No. of Spans	5	1

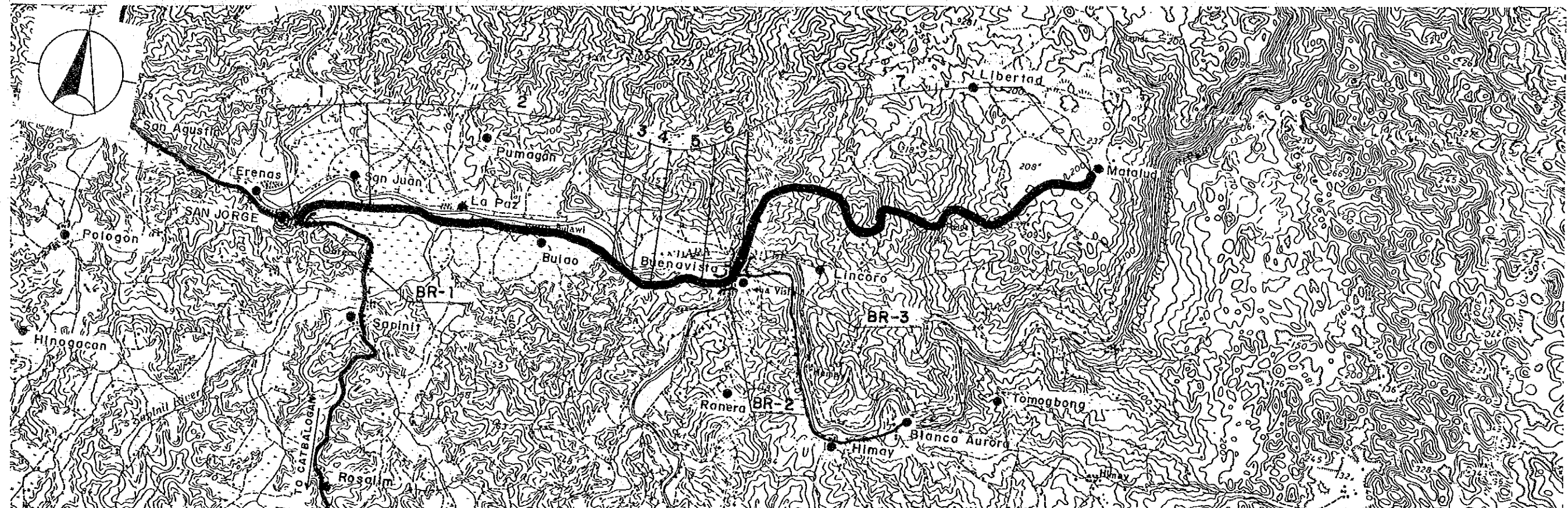
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PRESENT CONDITION AND PROPOSED IMPROVEMENT

Scale
1: 50,000

Drawing No.
25

Road No: P2 Road Name: SAN JORGE - MATALUD ROAD
Location : SAN JORGE, SAMAR



Road Classification	Minor Road (Provincial Road)						
Total Length	13.1 km						
Sub-section No.	1	2	3	4	5	6	7
Length (km)	1.0	3.2	.2	.3	.7	.7	7.0
Terrain	Flat	Flat	Rolling	Rolling	Rolling	Rolling	Rolling
Existing Road Surface	6.0-PCC (Good)	6.0-GRV (Bad)	6.0-GRV (Bad)	4.5-GRV (Bad)	6.0-GRV (Bad)	6.0-GRV (Bad)	4.5-GRV (Impass)
Proposed Improvement	- Rehabil. Rehabil. Rehabil. Rehabil. Rehabil. Rehabil.						
Improvement Type	- Gravel Gravel Gravel Gravel Gravel Gravel Gravel						
Surface Type	- 6.0 6.0 6.0 6.0 6.0 6.0 6.0						
Carriageway Width(m)	- 1.0 .5 .5 .5 .5 .5 .5						
Shoulder Width (m)	- TYPE 1-6 TYPE 1-6 TYPE 1-6 TYPE 1-6 TYPE 1-6 TYPE 1-6						
Ref. Typical Section	- TYPE 1-6 TYPE 1-6 TYPE 1-6 TYPE 1-6 TYPE 1-6 TYPE 1-6						
Special Treatment	-						
Flood Section Length	-	-	-	-	-	100	-
Height	-	-	-	-	-	1.5	-
Bridge No.	BR-1	BR-2	BR-3				
Existing Type	Concrete	Concrete	Timber				
Length (m)	36	64	100				
Proposed Type	-	-	2Lane-Br				
Length (m)	-	-	150				
No. of Spans	-	-	6				

Road Classification	Minor Road (Provincial Road)							
Total Length	2.3 km							
Sub-section No.	1	2	3	4	5	6	7	8
Length (km)	.7	.3	.3	.4	.1	.2	.2	.1
Terrain	Flat	Flat	Flat	Flat	Mt'nous	Mt'nous	Flat	Rolling
Existing Road Surface	6.1-PCC (Fair)	6.1-PCC (Good)	6.1-PCC (Good)	3.0-PCC (Good)	3.0-PCC (Good)	4.5-GRV (Bad)	4.5-GRV (Bad)	4.5-GRV (Bad)
Proposed Improvement								
Improvement Type	-	-	-	Widening	Widening	Rehabil.	Rehabil.	Rehabil.
Surface Type	-	-	-	PCC	PCC	Gravel	Gravel	Gravel
Carriageway Width(m)	-	-	-	6.0	6.0	6.0	6.0	6.0
Shoulder Width (m)	-	-	-	1.5	1.0	.5	1.0	.5
Ref. Typical Section	-	-	-	TYPE 4-1	TYPE 4-1	TYPE 1-6	TYPE 1-6	TYPE 1-6
Bridge No.	BR-1							
Existing Type	RCBC							
Length (m)	9							
Proposed Type	-							
Length (m)	-							
No. of Spans	-							