

REPUBLIC OF THE PHILIPPINES  
DEPARTMENT OF PUBLIC WORKS & HIGHWAYS

**Pilot Study  
for the  
Rural Road Network Development Project**

FINAL REPORT

DRAWINGS 3

(VOLUME VI)

PROVINCE OF BOHOL

FEBRUARY, 1989

JAPAN INTERNATIONAL COOPERATION AGENCY

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C O N T E N T S

Drawing No.	Title
1	LOCATION MAP
2 to 9	TYPICAL ROAD SECTIONS
10 to 66	PRESENT CONDITION AND PROPOSED IMPROVEMENT

L I S T O F R O A D S

Road Class	Road No.	Drawing No.	Drawing No.	Road No.	Drawing No.	Road Class	Road No.	Drawing No.	Drawing No.	Road No.	Drawing No.
Primary Major Road	N 4 - 4	10	Secondary Major Road	P 80 - 1	28	Minor Road	P 87 - 1	45	Minor Road	B 13 - 1	56
	N 4 - 5	11		P 81 - 2	29		P 106 - 1	46		B 17 - 3	57
	N 7 - 2	12		P 110 - 1B	30		P 110 - 1A	47		B 18 - 3	57
	N 7 - 4	13		P 111 - 1	30		P 116 - 1	47		B 22 - 2	58
	N 9 - 2	14		P 113 - 1	31		P 119 - 1	48		B 24 - 1	58
Secondary Major Road	N 2 - 2	15	Major Road	P 124 - 1	32		P 120 - 1	48		B 24 - 2	59
	N 3 - 3	16		P 128 - 1	33		P 121 - 1	49		B 25 - 1	59
	N 3 - 5	16		P 145 - 1	34		P 123 - 1	49		B 25 - 2	60
	N 6 - 2	17		P 157 - 1	35		P 140 - 1	50		B 28 - 3	61
	N 10 - 2	18		P 300 - 6	36		P 146 - 1	50		B 28 - 5	61
	N 10 - 3	19		Minor Road	P 6 - 1		37	P 150 - 1		51	B 29 - 2
	N 11 - 1	20	P 25 - 1		37		P 151 - 1	51		B 34 - 1	62
	P 39 - 1	21	P 28 - 1		38		P 154 - 1	52		B 37 - 1	63
	P 41 - 1	21	P 36 - 1		39		P 200 - 1	52		B 39 - 2	63
	P 41 - 2	22	P 42 - 1		40		P 300 - 1	53		B 44 - 1	64
	P 49 - 1	23	Minor Road		P 43 - 1	41	B 2 - 1	54	B 46 - 1	65	
	P 49 - 2	24			P 57 - 1	42	B 2 - 2	54	B 46 - 2	66	
	P 58 - 1	25		P 62 - 1	43	B 4 - 1	55	B 48 - 3	66		
P 72 - 1	26	P 64 - 1		43	B 4 - 2	55					
P 72 - 2	27		P 85 - 1	44	B 11 - 2	56					

THE PILOT STUDY FOR THE RURAL ROAD NETWORK DEVELOPMENT PROJECT  
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LOCATION MAP

Scale

Drawing No.

1

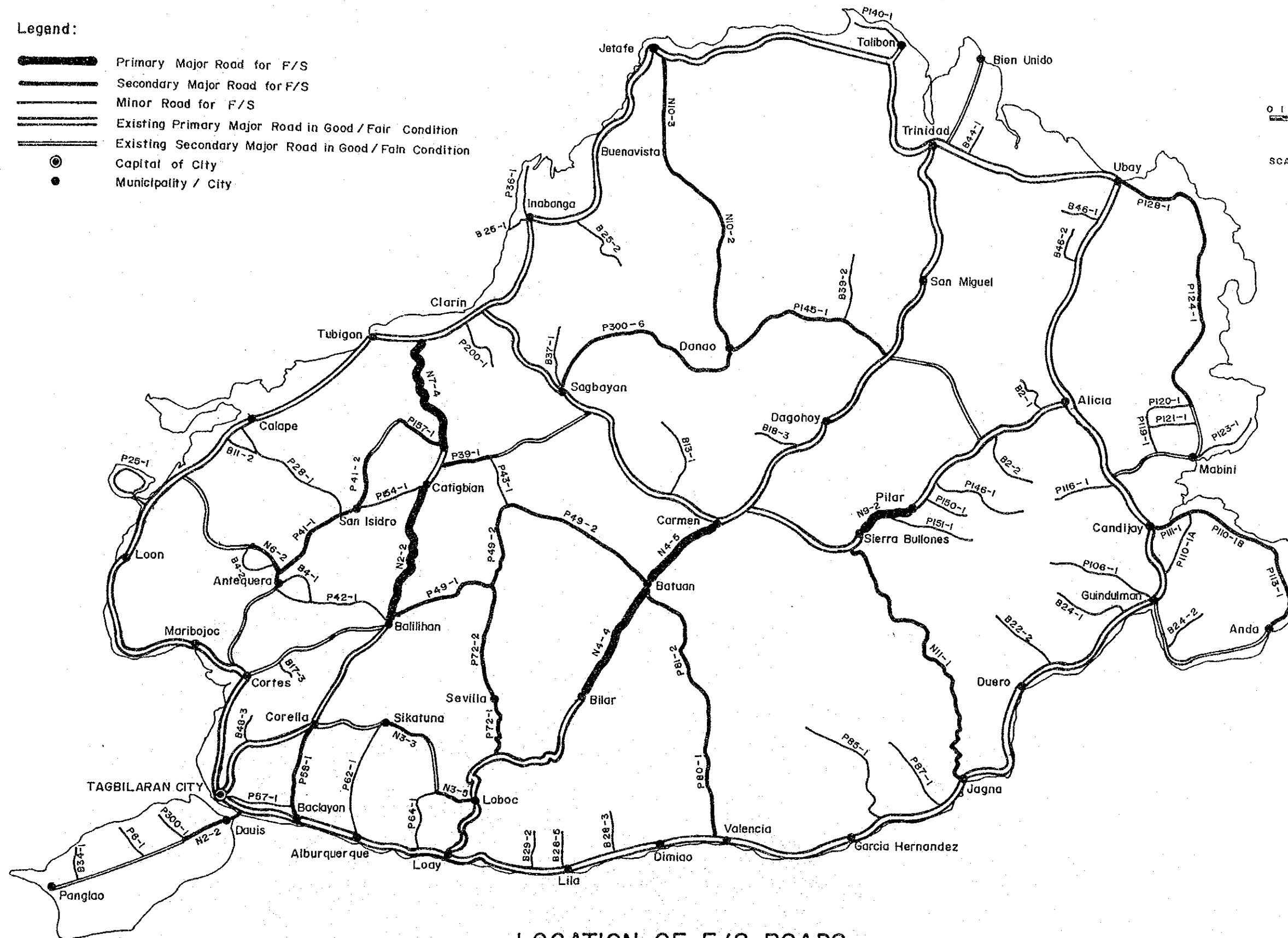
Legend:

-  Primary Major Road for F/S
-  Secondary Major Road for F/S
-  Minor Road for F/S
-  Existing Primary Major Road in Good / Fair Condition
-  Existing Secondary Major Road in Good / Fair Condition
-  Capital of City
-  Municipality / City

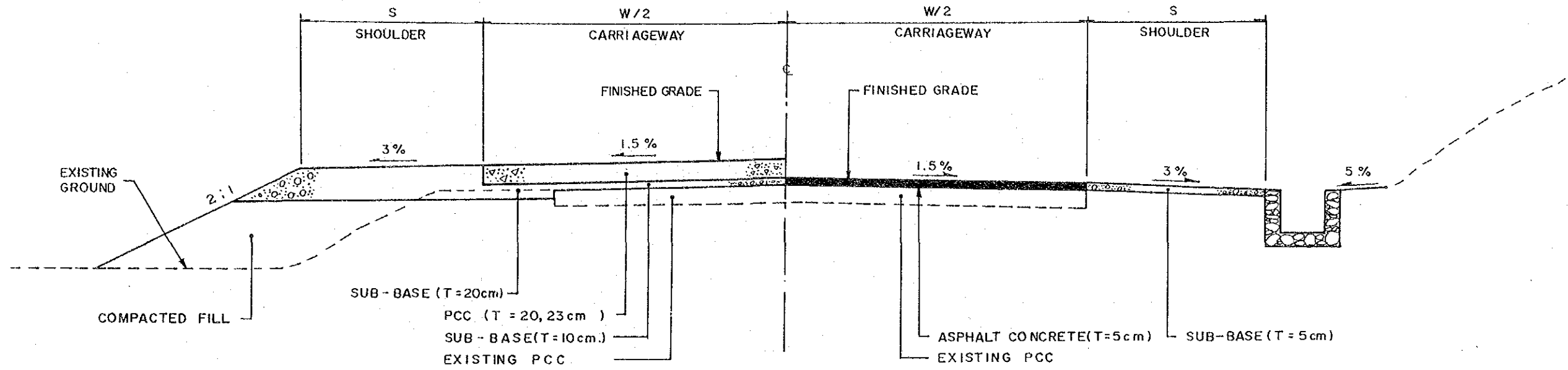


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KILOMETER

SCALE 1:300,000

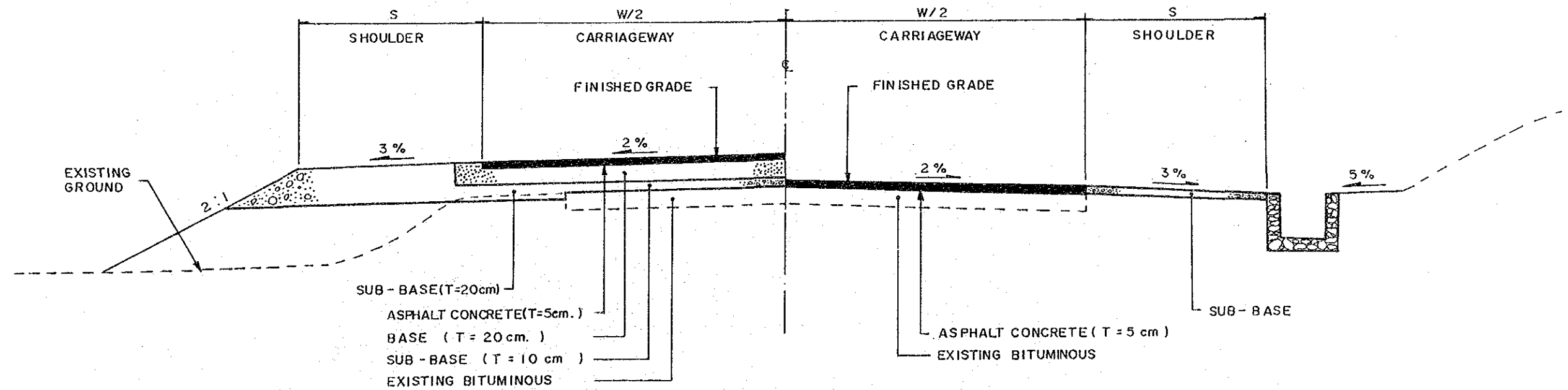


LOCATION OF F/S ROADS



**TYPE 1-1**  
PROPOSED PAVEMENT : PCC  
EXISTING PAVEMENT : PCC (BAD / VERY BAD)

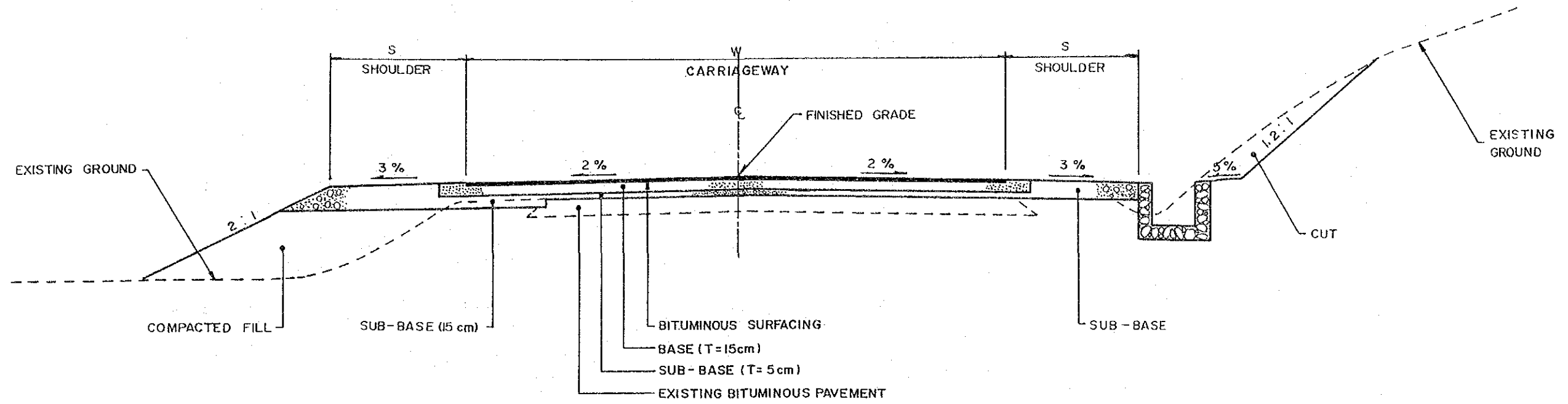
**TYPE 1-2**  
PROPOSED PAVEMENT : ASPHALT CONCRETE OVERLAY  
EXISTING PAVEMENT : PCC (BAD / VERY BAD)



**TYPE 1-3**  
PROPOSED PAVEMENT : ASPHALT CONCRETE  
EXISTING PAVEMENT : BITUMINOUS (BAD / VERY BAD)

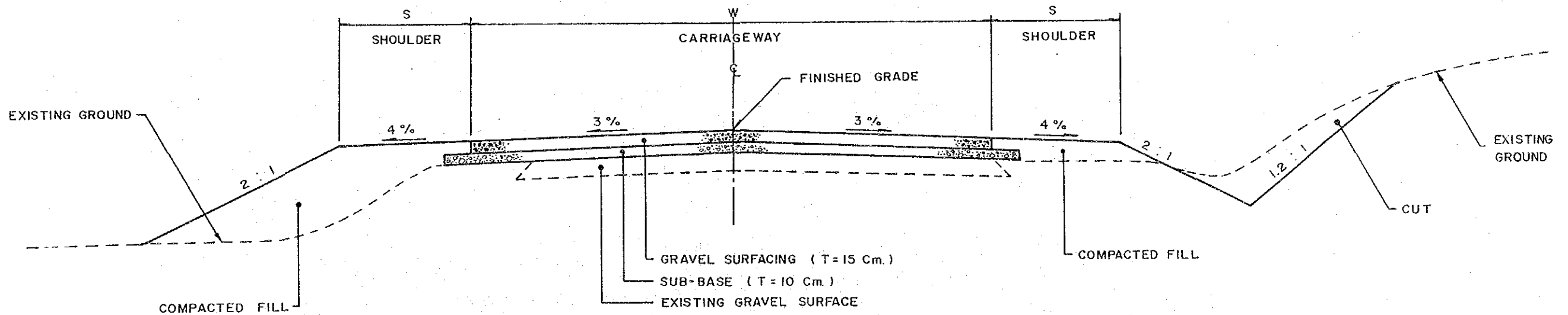
**TYPE 1-4**  
PROPOSED PAVEMENT : ASPHALT CONCRETE OVERLAY  
EXISTING PAVEMENT : BITUMINOUS (BAD / VERY BAD)

REHABILITATION (1)



**TYPE I-5**

PROPOSED PAVEMENT : BITUMINOUS MACADAM/DOUBLE BITUMINOUS SURFACE TREATMENT  
EXISTING PAVEMENT : BITUMINOUS (BAD / VERY BAD)

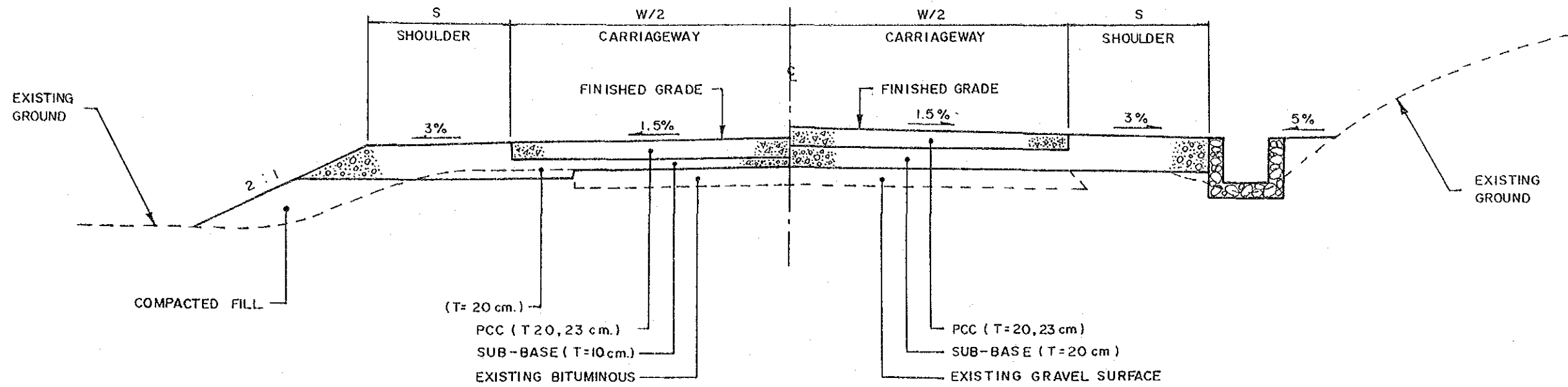


**TYPE I-6**

PROPOSED PAVEMENT : GRAVEL SURFACING  
EXISTING PAVEMENT : GRAVEL SURFACING (BAD / VERY BAD)

**REHABILITATION (2)**



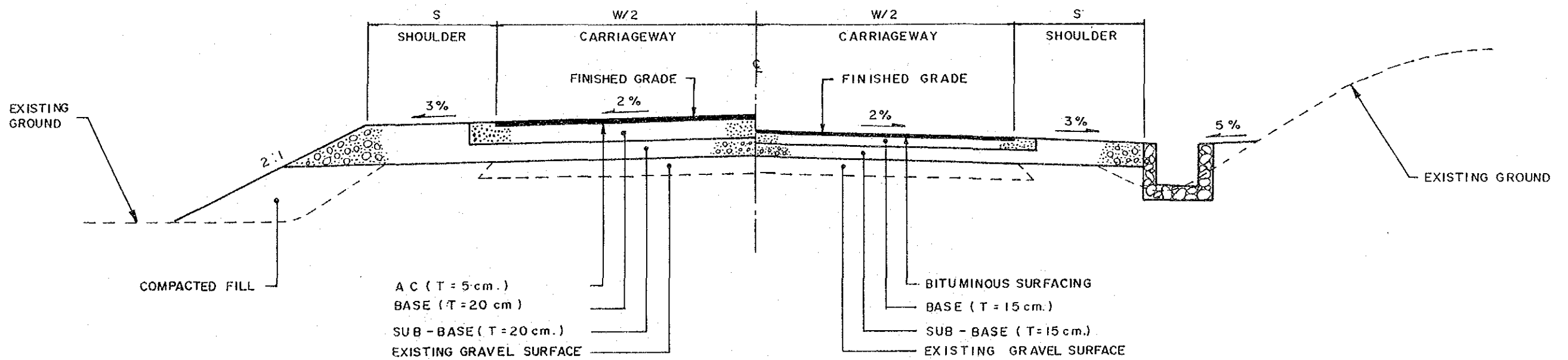


**TYPE 2-1**

PROPOSED PAVEMENT : PCC  
EXISTING PAVEMENT : BITUMINOUS (BAD/VERY BAD)

**TYPE 2-2**

PROPOSED PAVEMENT : PCC  
EXISTING PAVEMENT : GRAVEL SURFACING (BAD/VERY BAD)



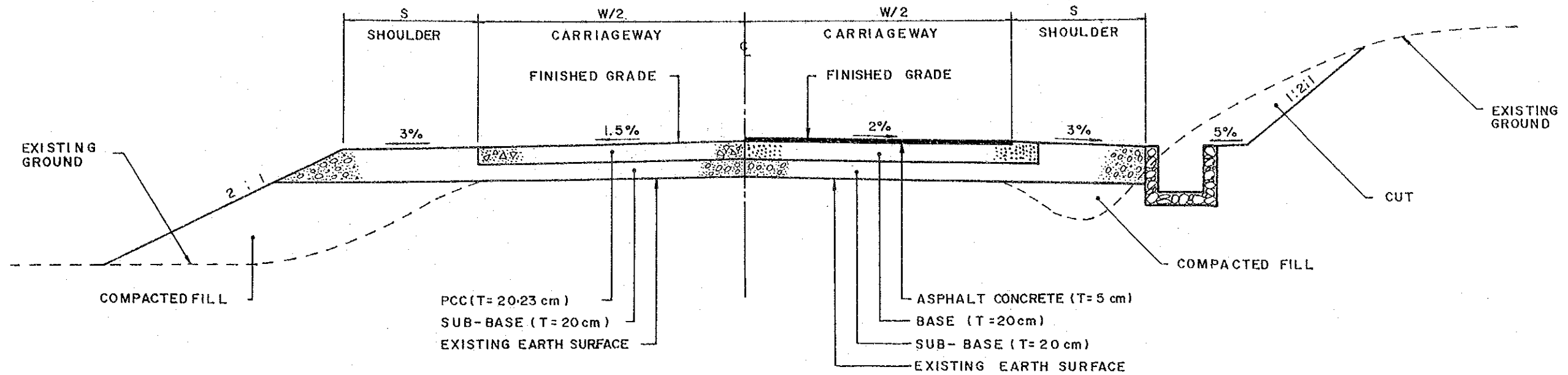
**TYPE 2-3**

PROPOSED PAVEMENT : ASPHALT CONCRETE  
EXISTING PAVEMENT : GRAVEL SURFACING  
(BAD/VERY BAD)

**TYPE 2-4**

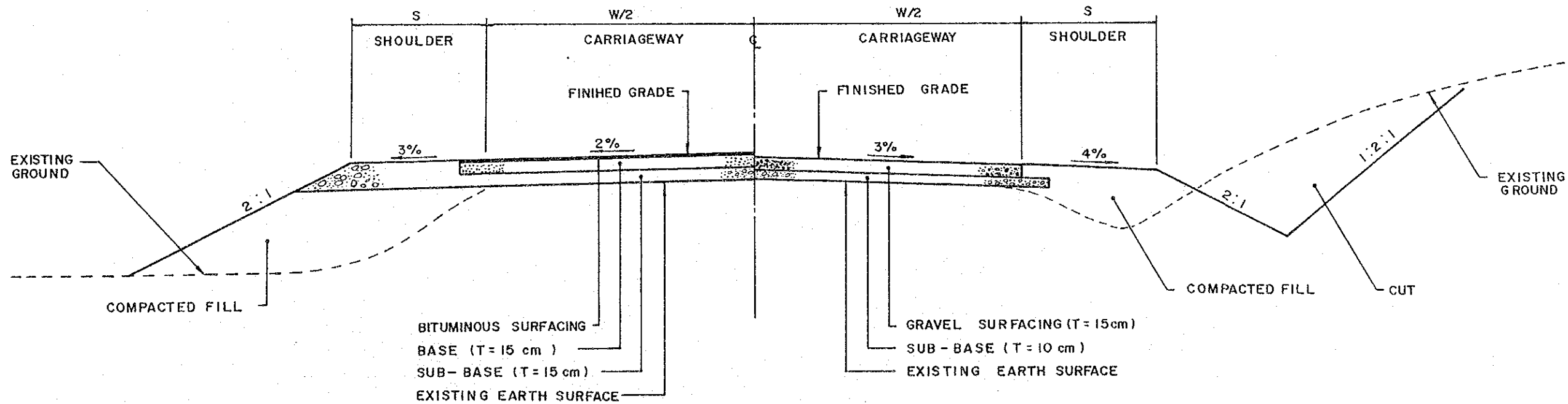
PROPOSED PAVEMENT : BITUMINOUS MACADAM / DOUBLE BITUMINOUS  
SURFACE TREATMENT  
EXISTING PAVEMENT : GRAVEL SURFACING (BAD/VERY BAD)

**IMPROVEMENT - I (I)**



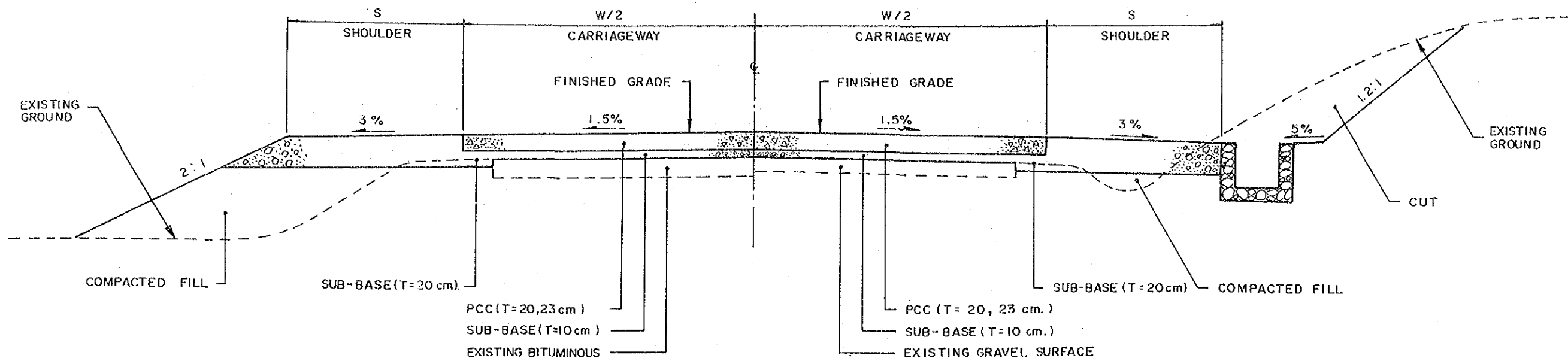
**TYPE 2-5**  
PROPOSED PAVEMENT : PCC  
EXISTING PAVEMENT : EARTH SURFACE

**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

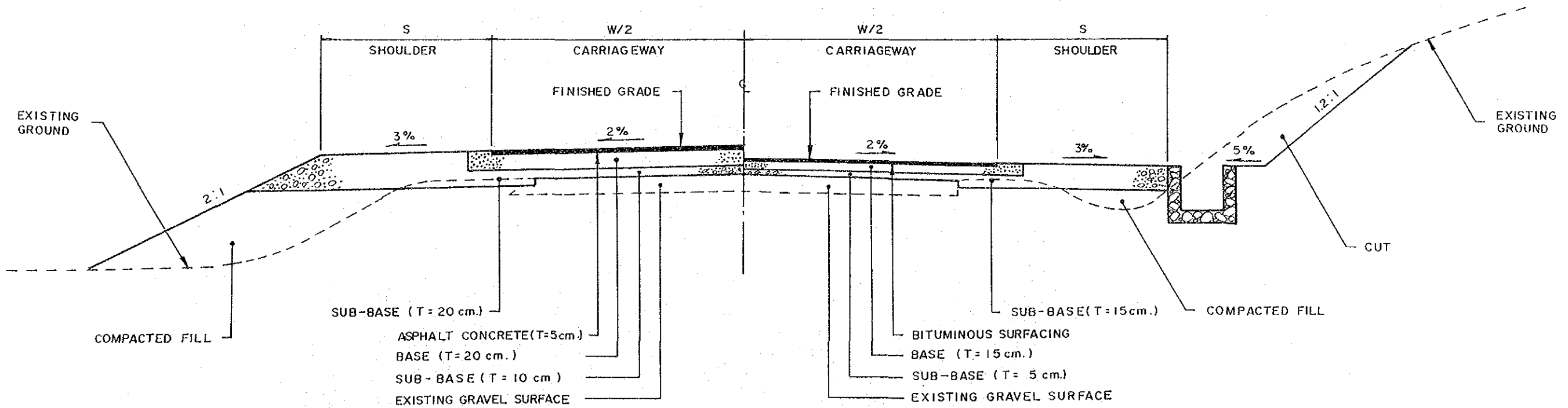


**TYPE 3-1**

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

**TYPE 3-2**

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



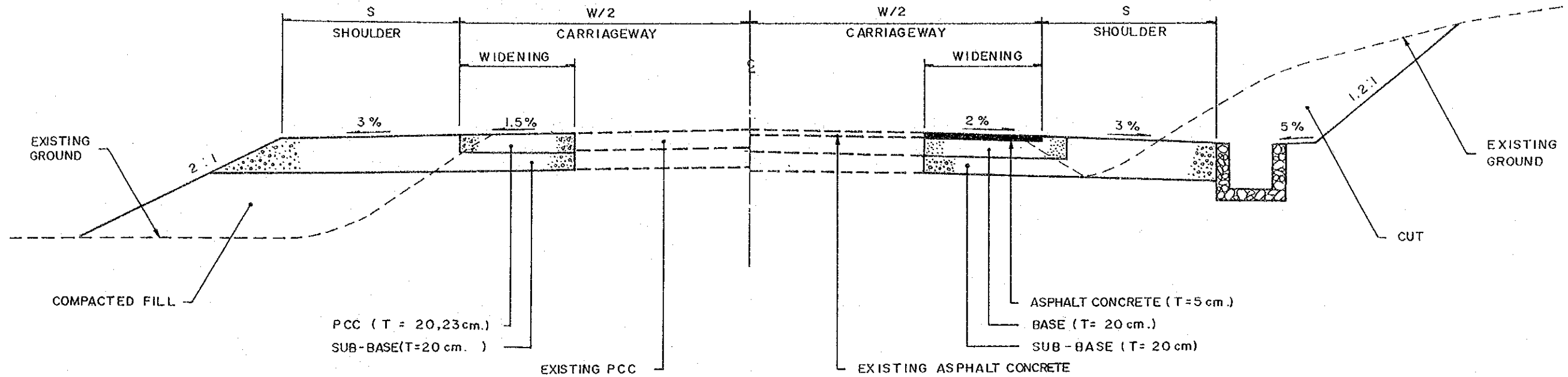
**TYPE 3-3**

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

**TYPE 3-4**

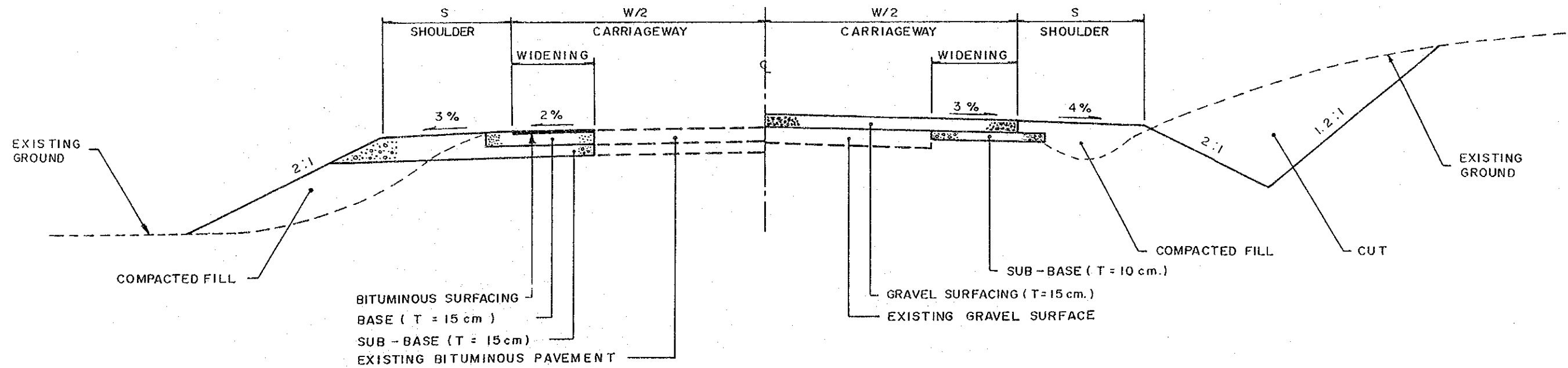
PROPOSED PAVEMENT : BITUMINOUS MACADAM/DOUBLE BITUMINOUS SURFACE TREATMENT  
EXISTING PAVEMENT : GRAVEL SURFACING (Good/Fair)

**IMPROVEMENT-2**



**TYPE 4-1**  
PROPOSED PAVEMENT : PCC  
EXISTING PAVEMENT : PCC

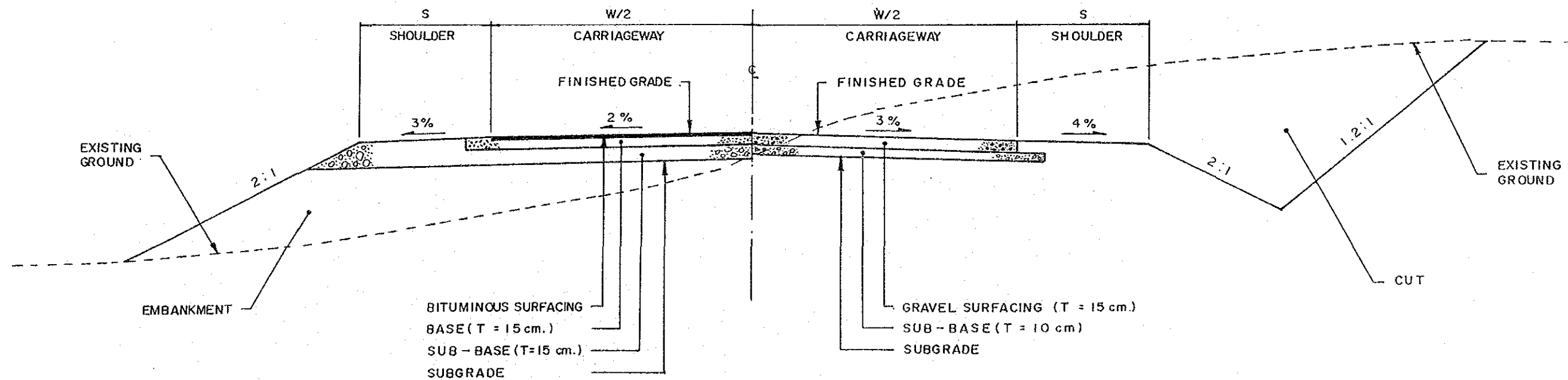
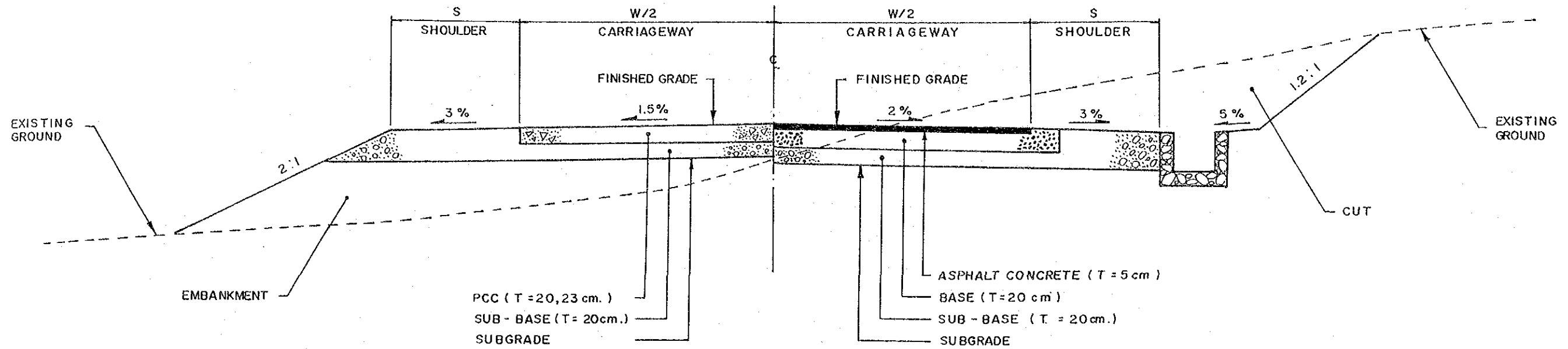
**TYPE 4-2**  
PROPOSED PAVEMENT : ASPHALT CONCRETE  
EXISTING PAVEMENT : ASPHALT CONCRETE



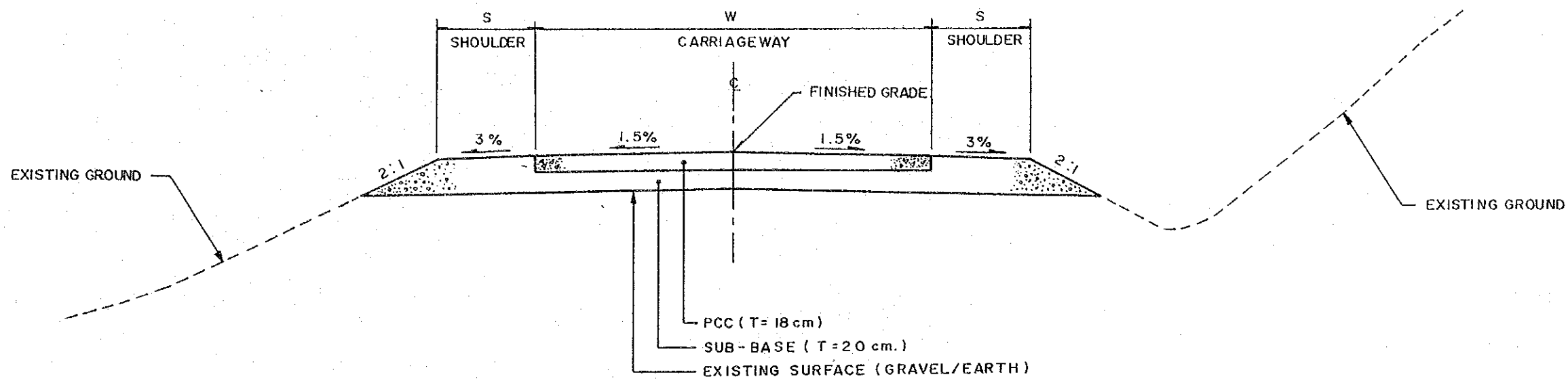
**TYPE 4-3**  
PROPOSED PAVEMENT : BITUMINOUS MACADAM/  
DOUBLE BITUMINOUS  
SURFACE TREATMENT  
EXISTING PAVEMENT : BITUMINOUS

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

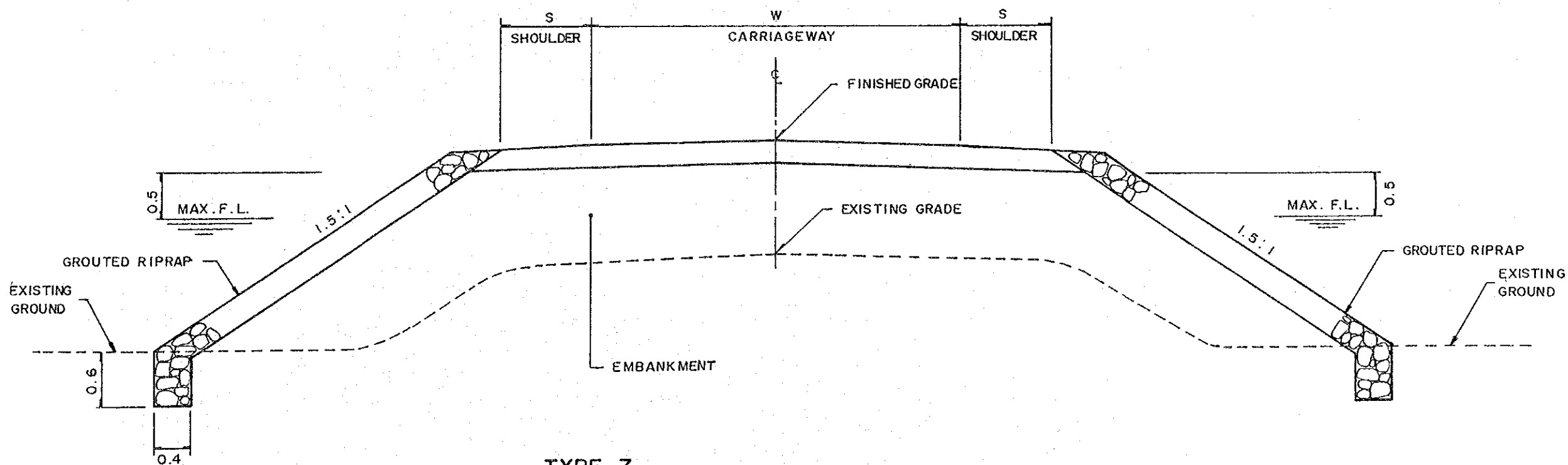
WIDENING



NEW CONSTRUCTION



TYPE 6  
PCC PAVEMENT FOR STEEP GRADIENT SECTIONS



TYPE 7  
GRADE RAISING SECTIONS IN FLOOD AREA

**THE PILOT STUDY FOR THE RURAL ROAD NETWORK DEVELOPMENT PROJECT  
IN THE REPUBLIC OF THE PHILIPPINES**

**PRESENT CONDITION AND PROPOSED IMPROVEMENT**

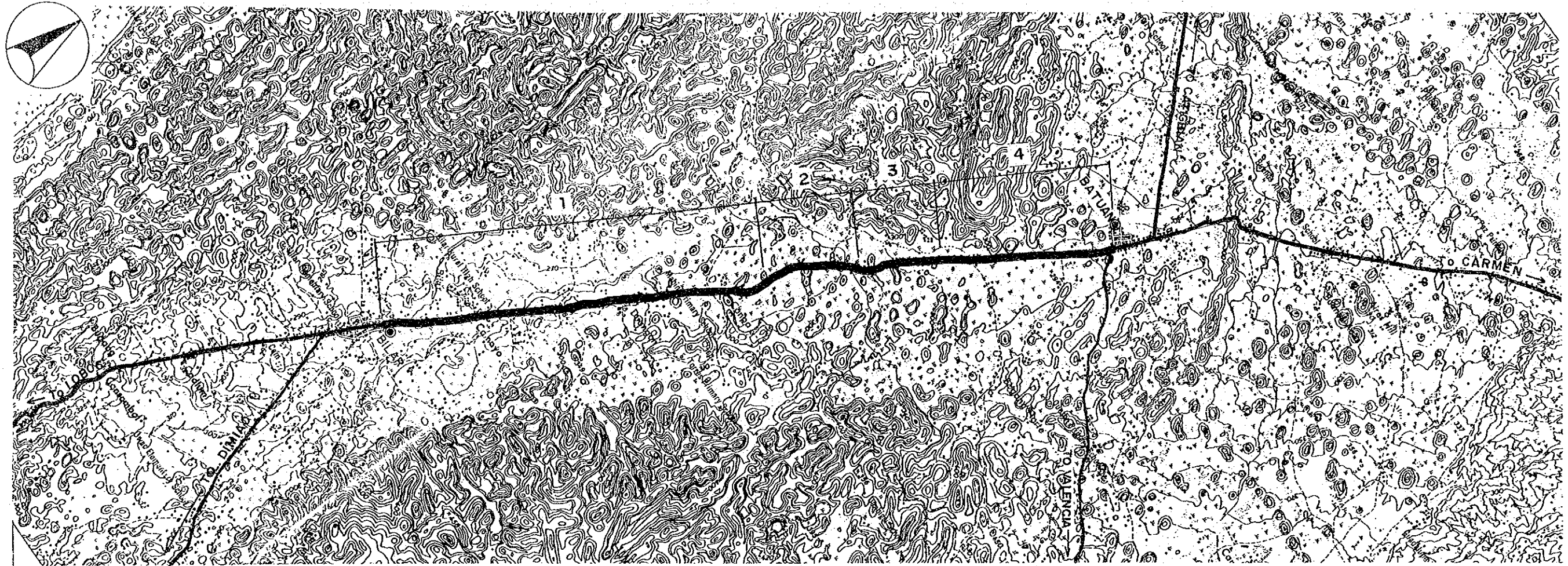
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Drawing No.  
10

Road No: N4-4

Road Name: LOAY INTERIOR ROAD

Location : BILAR & BATUAN, BOHOL



Road Classification	Primary Major (National Road)			
Total Length	10.2 km			
Sub-section No.	1	2	3	4
Length (km)	5.3	1.3	1.1	2.5
Terrain	Flat	Flat	Flat	Flat
Existing Road Surface	5.4-BTM (Bad)	6.0-GRV (Bad)	5.4-BTM (Bad)	6.0-GRV (Bad)
Proposed Improvement				
Improvement Type	Rehabil.	Impr.-1	Rehabil.	Impr.-1
Surface Type	* BMP	* BMP	* BMP	* BMP
Carriageway Width(m)	6.0	6.0	6.0	6.0
Shoulder Width (m)	2.0	2.0	2.0	2.0
Ref. Typical Section	TYPE 1-5	TYPE 2-4	TYPE 1-5	TYPE 2-4

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

THE PILOT STUDY FOR THE RURAL ROAD NETWORK DEVELOPMENT PROJECT  
IN THE REPUBLIC OF THE PHILIPPINES

PRESENT CONDITION AND PROPOSED IMPROVEMENT

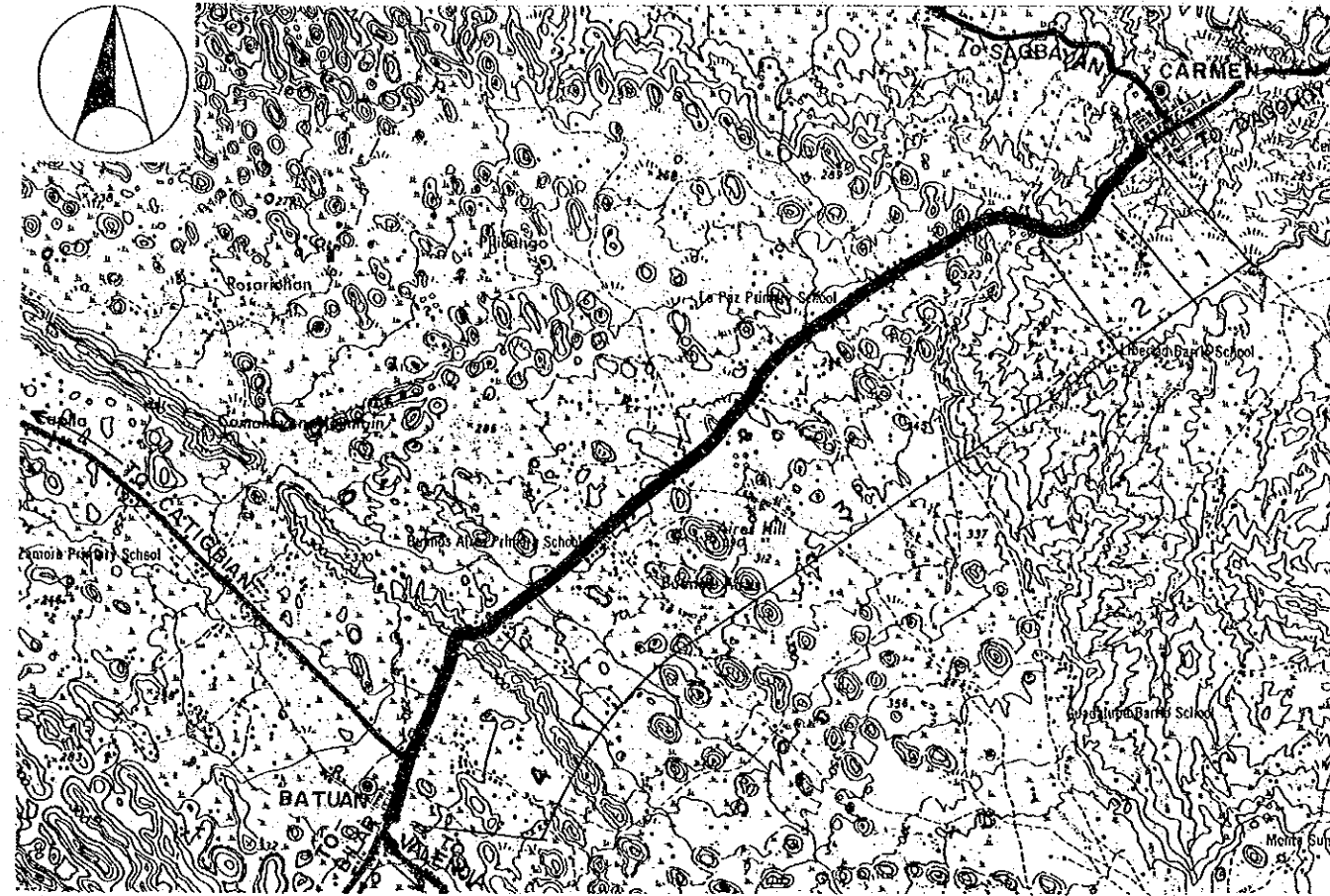
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Drawing No.  
11

Road No: N4-5

Road Name: LOAY INTERIOR ROAD

Location: BATUAN & CARMEN, BOHOL



Road Classification	Primary Major (National Road)			
Total Length	7.1 km			
Sub-section No.	1	2	3	4
Length (km)	.5	.5	4.8	1.3
Terrain	Rolling	Flat	Rolling	Rolling
Existing Road Surface	6.4-BTM (Fair)	6.0-GRV (Fair)	6.4-BTM (Fair)	6.4-BTM (Fair)
Proposed Improvement	-	Impr.-2	-	-
Improvement Type	-	AC	-	-
Surface Type	-	6.7	-	-
Carriageway Width(m)	-	2.0	-	-
Shoulder Width (m)	-	-	-	-
Ref. Typical Section	-	TYPE 3-3	-	-



THE PILOT STUDY FOR THE RURAL ROAD NETWORK DEVELOPMENT PROJECT  
IN THE REPUBLIC OF THE PHILIPPINES

PRESENT CONDITION AND PROPOSED IMPROVEMENT

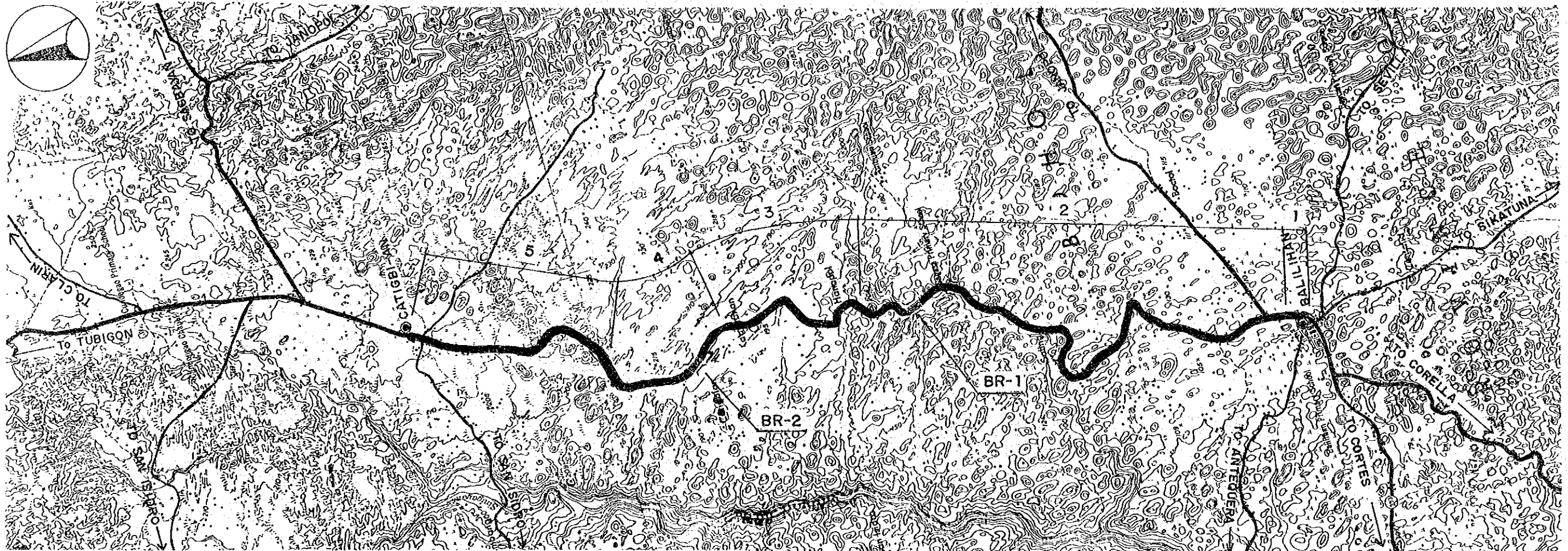
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Drawing No.  
12

Road No: N7-2

Road Name: CORTES-TUBIGON ROAD

Location : BALILIHAN & CATIGBIAN, BOHOL.



Road Classification	Primary Major (National Road)				
Total Length	14.3 km				
Sub-section No.	1	2	3	4	5
Length (km)	.3	6.9	2.1	1.8	3.2
Terrain	Flat	Flat	Flat	Flat	Flat
Existing Road Surface	6.0-BTM (Bad)	6.0-GRV (Bad)	6.0-GRV (Bad)	6.0-GRV (Bad)	6.0-BTM (Fair)
Proposed Improvement	Rehabil.	Impr.-1	Impr.-1	Impr.-1	-
Improvement Type					
Surface Type	* BMP	* BMP	* BMP	* BMP	-
Carriageway Width(m)	6.0	6.0	6.0	6.0	-
Shoulder Width (m)	2.0	2.0	2.0	2.0	-
Ref. Typical Section	TYPE 1-5	TYPE 2-4	TYPE 2-4	TYPE 2-4	-
Bridge No.	BR-1	BR-2			
Existing Type	Concrete	Concrete			
Length (m)	9	13			
Proposed Type	-	-			
Length (m)	-	-			
No. of Spans	-	-			

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

**THE PILOT STUDY FOR THE RURAL ROAD NETWORK DEVELOPMENT PROJECT  
IN THE REPUBLIC OF THE PHILIPPINES**

**PRESENT CONDITION AND PROPOSED IMPROVEMENT**

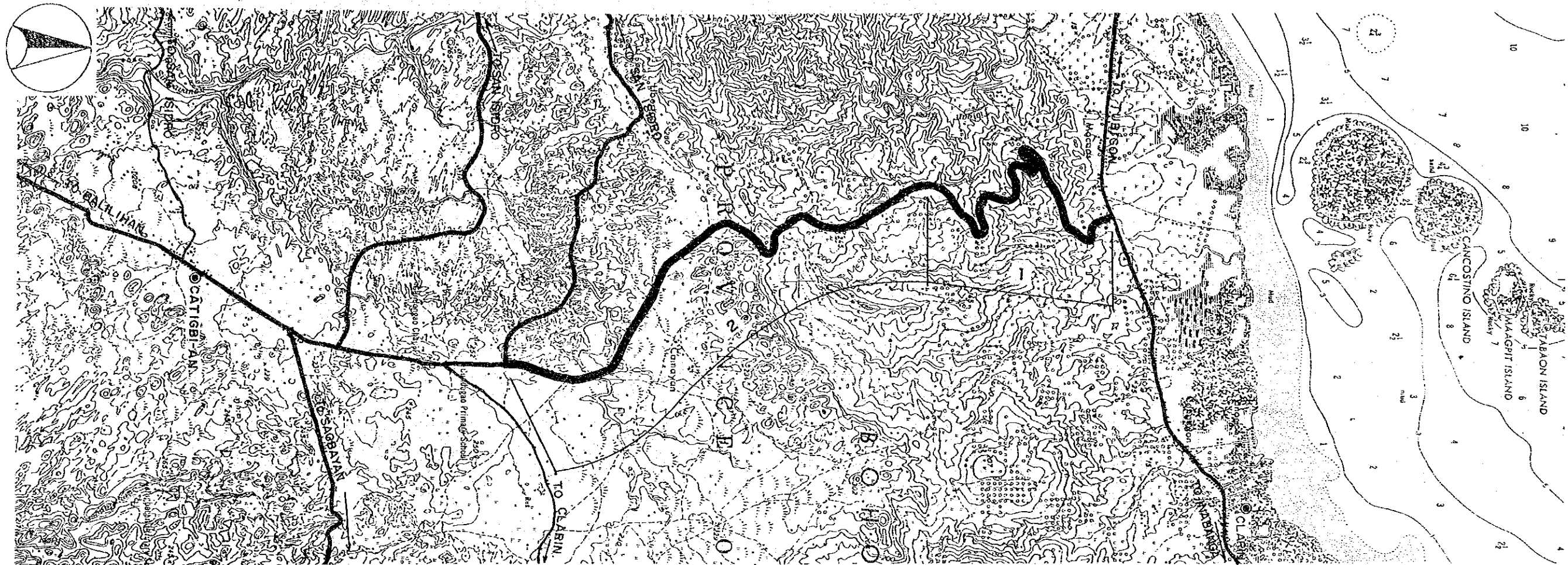
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Drawing No.  
13

Road No: N7-4

Road Name: CORTES-TUBIGON ROAD

Location : CATIGBIAN & TUBIGON, BOHOL



Road Classification	Primary Major Road (National Road)	
Total Length	11.2 km	
Sub-section No.	1	2
Length (km)	4.5	6.7
Terrain	Rolling	Rolling
Existing Road Surface	4.9-GRV (Bad)	4.2-GRV (V.Bad)
Proposed Improvement		
Improvement Type	Rehabil.	Rehabil.
Surface Type	Gravel	Gravel
Carriageway Width(m)	6.0	6.0
Shoulder Width (m)	1.5	1.5
Ref. Typical Section	TYPE 1-6	TYPE 1-6

**THE PILOT STUDY FOR THE RURAL ROAD NETWORK DEVELOPMENT PROJECT  
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**PRESENT CONDITION AND PROPOSED IMPROVEMENT**

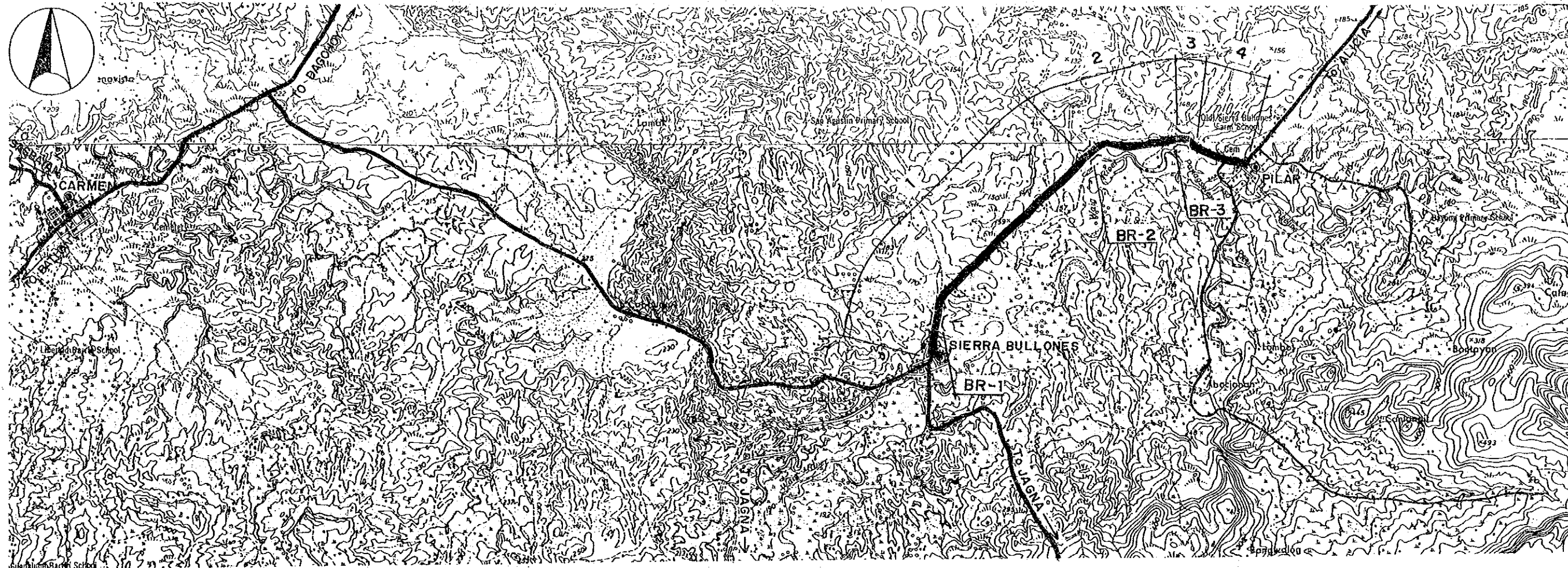
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Drawing No.  
14

Road No: N9-2

Road Name: JCT.-CARMEN-JCT.-ALICIA

Location : SIERRA BULLONES & PILAR, BOHOL



Road Classification	Primary Major (National Road)			
Total Length	6.3 km			
Sub-section No.	1	2	3	4
Length (km)	3.5	1.5	.2	1.1
Terrain	Rolling	Rolling	Rolling	Rolling
Existing Road Surface	4.8-BTM (Bad)	5.2-GRV (Bad)	5.2-GRV (Bad)	4.8-BTM (Bad)
Proposed Improvement	Rehabil.	Impr.-1	Impr.-1	Rehabil.
Improvement Type				
Surface Type	* BMP	* BMP	* BMP	* BMP
Carriageway Width(m)	6.0	6.0	6.0	6.0
Shoulder Width (m)	1.5	1.5	1.5	1.5
Ref. Typical Section	TYPE 1-5	TYPE 2-4	TYPE 2-4	TYPE 1-5
Bridge No.	BR-1	BR-2	BR-3	
Existing Type	Concrete	Bailey	Concrete	
Length (m)	16	93	6	
Proposed Type	-	2Lane-Br	-	
Length (m)	-	100	-	
No. of Spans	-	4	-	

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



# THE PILOT STUDY FOR THE RURAL ROAD NETWORK DEVELOPMENT PROJECT IN THE REPUBLIC OF THE PHILIPPINES

**PRESENT CONDITION AND PROPOSED IMPROVEMENT**

Scale  
1:50,000

Drawing No.  
15

Road No: N2-2

Road Name: DAUIS-PANGLAO ROAD

Location: DAUIS & PANGLAO, BOHOL



Road Classification	Second'y Major Rd (National Road)
Total Length	3.2 km
Sub-section No.	1
Length (km)	3.2
Terrain	Flat
Existing Road Surface	4.0-GRV (Good)
Proposed Improvement	
Improvement Type	Impr.-2
Surface Type	* BMP
Carriageway Width(m)	6.0
Shoulder Width (m)	1.5
Ref. Typical Section	TYPE 3-4
Bridge No.	BR-1
Existing Type	Timber
Length (m)	8
Proposed Type	2Lane-Br
Length (m)	10
No. of Spans	1

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

THE PILOT STUDY FOR THE RURAL ROAD NETWORK DEVELOPMENT PROJECT  
IN THE REPUBLIC OF THE PHILIPPINES

PRESENT CONDITION AND PROPOSED IMPROVEMENT

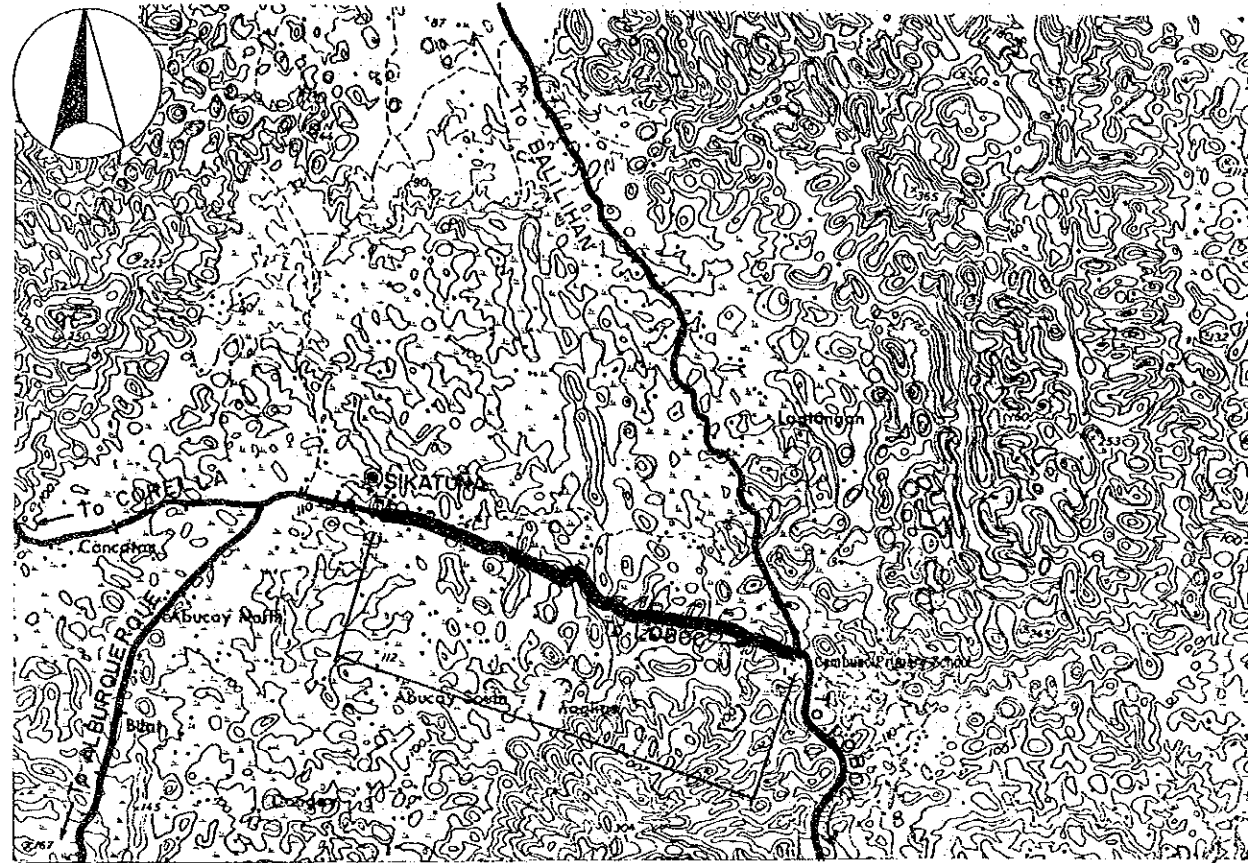
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Drawing No.  
18

Road No: N3-3

Road Name: (S) TAGBILARAN CITY-LOBOC

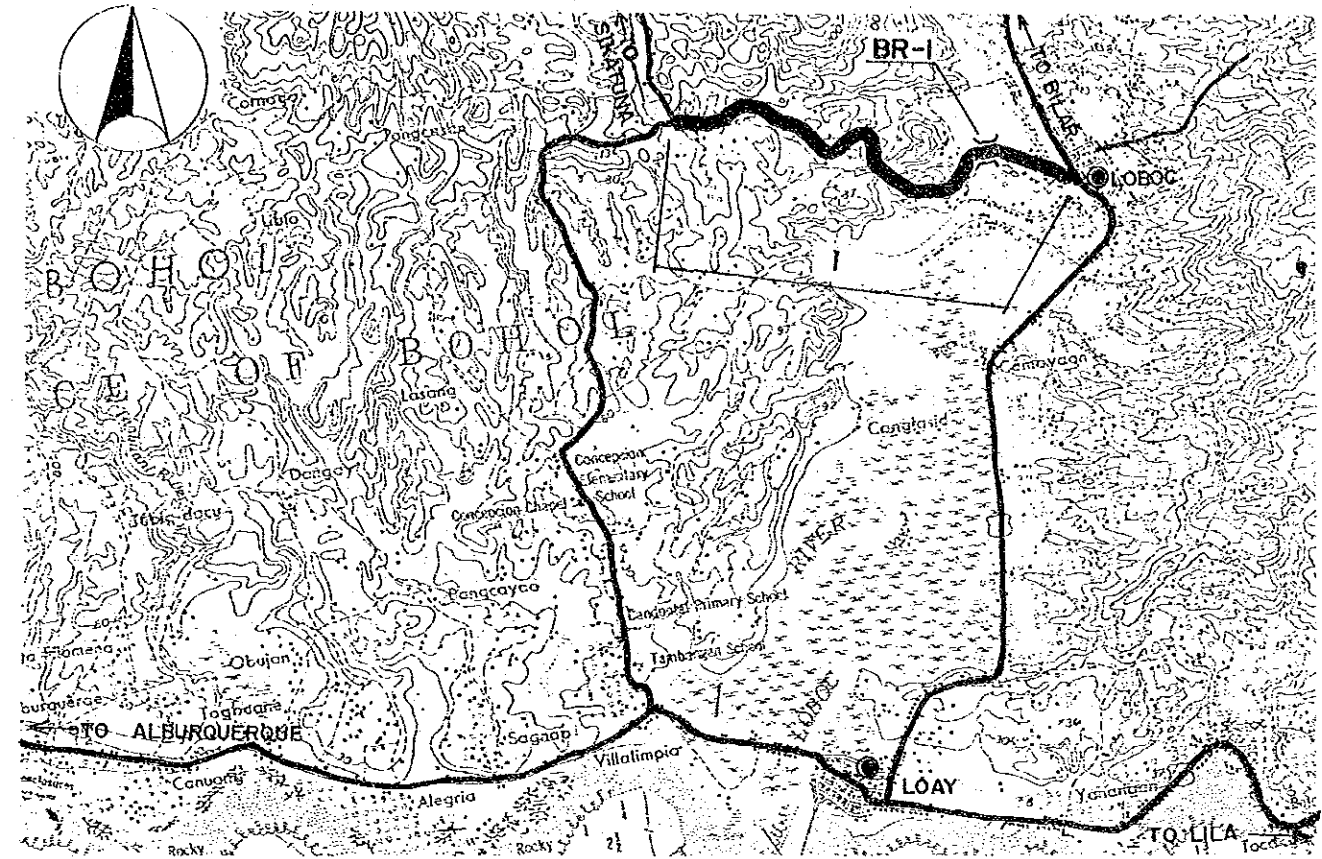
Location : SIKATUNA, BOHOL



Road No: N3-5

Road Name: (S) TAGBILARAN CITY-LOBOC

Location : LOBOC, BOHOL



Road Classification	Second'y Major Rd (National Road)
Total Length	2.9 km
Sub-section No.	1
Length (km)	2.9
Terrain	Flat
Existing Road Surface	4.3-GRV (Bad)
Proposed Improvement	Rehabil.
Improvement Type	Gravel
Surface Type	6.0
Carriageway Width(m)	1.0
Shoulder Width (m)	TYPE 1-6
Ref. Typical Section	

Road Classification	Second'y Major Rd (National Road)
Total Length	3.7 km
Sub-section No.	1
Length (km)	3.7
Terrain	Flat
Existing Road Surface	3.4-GRV (Bad)
Proposed Improvement	Rehabil.
Improvement Type	Gravel
Surface Type	6.0
Carriageway Width(m)	1.0
Shoulder Width (m)	TYPE 1-6
Ref. Typical Section	
Bridge No.	BR-1
Existing Type	Bailey
Length (m)	72
Proposed Type	2Lane-Br
Length (m)	75
No. of Spans	3

**THE PILOT STUDY FOR THE RURAL ROAD NETWORK DEVELOPMENT PROJECT  
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**PRESENT CONDITION AND PROPOSED IMPROVEMENT**

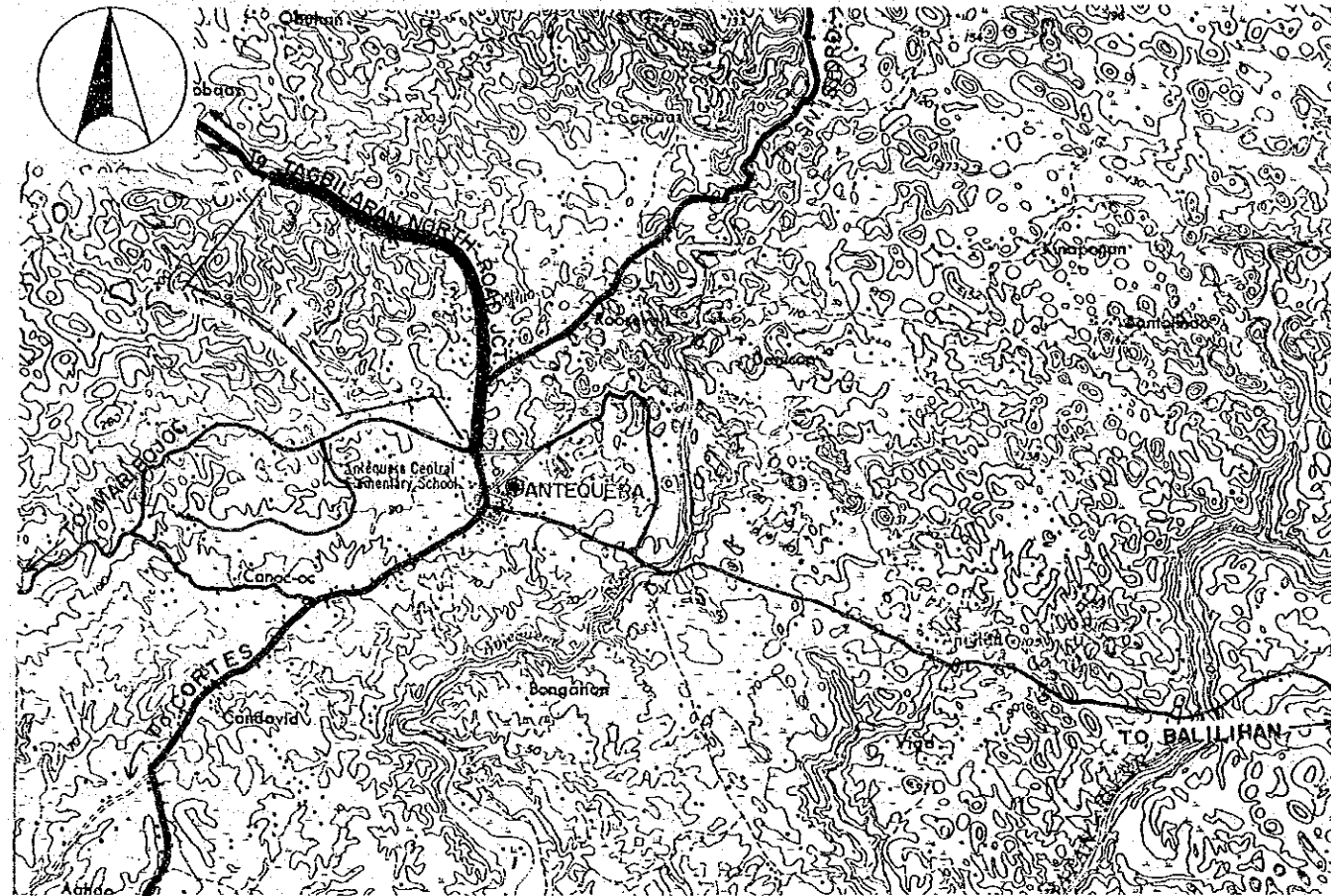
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Drawing No.  
17

Road No: N6-2

Road Name: JCT. MARIBOJOC LOON ROAD

Location : ANTEQUERA, BOHOL



Road Classification	Second'y Major Rd (National Road)
Total Length	3.2 km
Sub-section No.	1
Length (km)	3.2
Terrain	Rolling
Existing Road Surface	4.0-GRV (Bad)
Proposed Improvement	Rehabil.
Improvement Type	Gravel
Surface Type	
Carriageway Width(m)	6.0
Shoulder Width (m)	.5
Ref. Typical Section	TYPE 1-6
Special Treatment	
Steep Section Length	100





**THE PILOT STUDY FOR THE RURAL ROAD NETWORK DEVELOPMENT PROJECT  
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**PRESENT CONDITION AND PROPOSED IMPROVEMENT**

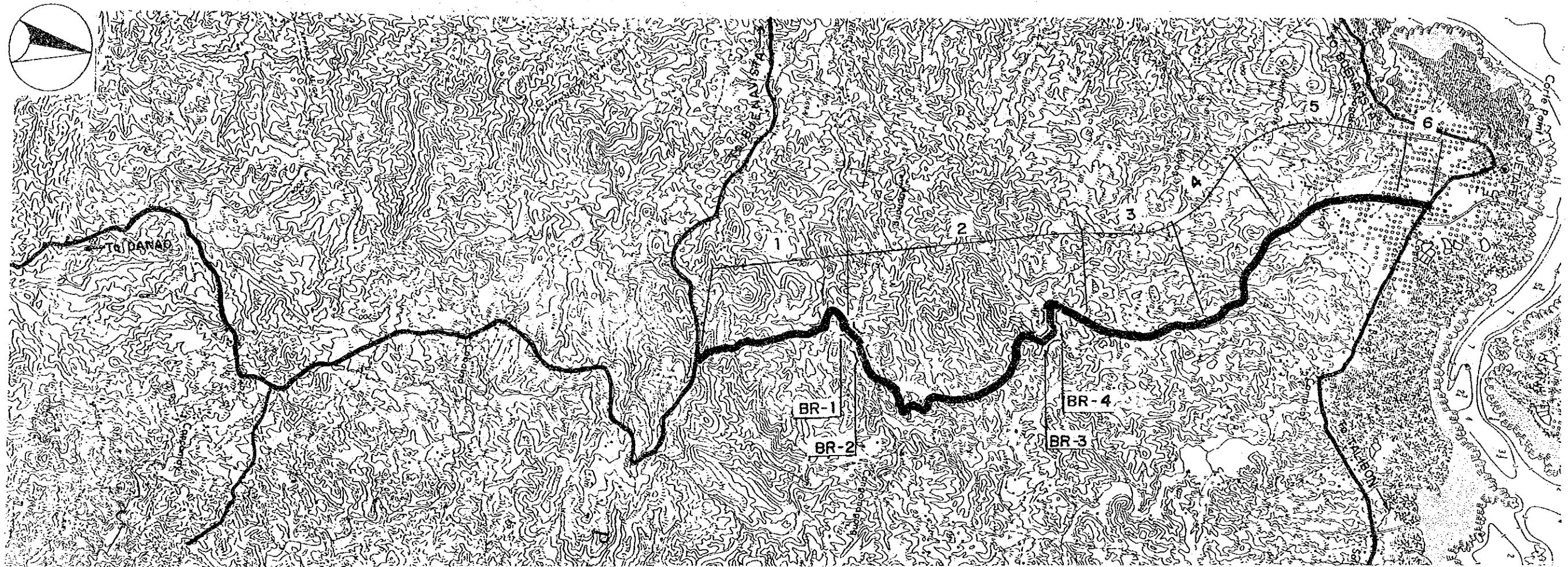
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Drawing No.  
19

Road No: N10-3

Road Name: JCT. LIR-DANAOG-B-JETAFFE ROAD

Location: JETAFFE, BOHOL



Road Classification	Secondary Major (National Road)					
Total Length	12.0 km					
Sub-section No.	1	2	3	4	5	6
Length (km)	1.9	4.9	1.6	1.6	1.6	.4
Terrain	Mt'nous	Mt'nous	Mt'nous	Mt'nous	Rolling	Rolling
Existing Road Surface	4.2-GRV (Bad)	4.2-GRV (Bad)	4.2-GRV (Bad)	4.2-GRV (Bad)	4.2-GRV (Bad)	4.2-GRV (Bad)
Proposed Improvement	Rehabil.	Rehabil.	Rehabil.	Rehabil.	Rehabil.	Rehabil.
Improvement Type	Gravel	Gravel	Gravel	Gravel	Gravel	Gravel
Surface Type	6.0	6.0	6.0	6.0	6.0	6.0
Carriageway Width(m)	.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	-	100	-	-	-	-
Special Treatment	BR-1	BR-2	BR-3	BR-4		
Steep Section Length						
Bridge No.	Bailey	Bailey	Bailey	Bailey		
Existing Type	7	15	9	15		
Length (m)	2Lane-Br	2Lane-Br	2Lane-Br	2Lane-Br		
Proposed Type	10	15	10	15		
Length (m)	1	1	1	1		
No. of Spans						



**THE PILOT STUDY FOR THE RURAL ROAD NETWORK DEVELOPMENT PROJECT  
IN THE REPUBLIC OF THE PHILIPPINES**

**PRESENT CONDITION AND PROPOSED IMPROVEMENT**

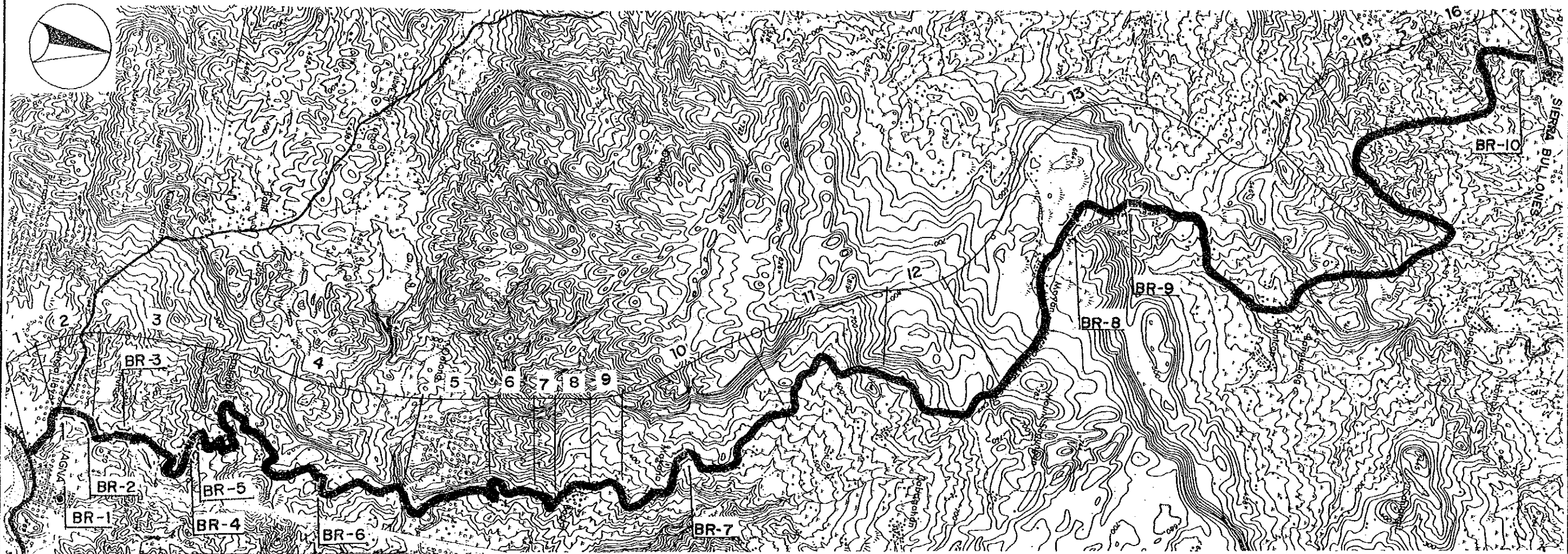
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Drawing No.  
**20**

Road No: N11-1

Road Name: JAGNA-SIERA-BULLONES

Location: JAGNA & SIERRA BULLONES, BOHOL



Road Classification	Secondary Major (National Road)															
Total Length	38.5 km															
Sub-section No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Length (km)	.8	.6	4.0	4.5	2.0	1.1	.5	.7	.5	3.9	2.3	2.3	8.7	2.7	2.1	1.8
Terrain	Flat	Mt'nous	Mt'nous	Mt'nous	Mt'nous	Mt'nous	Mt'nous	Mt'nous	Mt'nous	Mt'nous	Mt'nous	Mt'nous	Mt'nous	Mt'nous	Mt'nous	Mt'nous
Existing Road Surface	6.7-BTM (Fair)	5.2-GRV (Bad)	3.8-GRV (Bad)	3.8-GRV (Bad)	3.8-GRV (Bad)	3.8-GRV (Bad)	3.8-GRV (Bad)	3.8-GRV (Bad)	3.8-GRV (Bad)	3.8-GRV (Bad)	3.8-GRV (Bad)	3.2-GRV (Bad)	3.2-GRV (Bad)	4.0-GRV (Bad)	5.2-GRV (Bad)	5.2-GRV (Bad)
Proposed Improvement	-	Rehabil.	Rehabil.	Rehabil.	Rehabil.	Rehabil.	Rehabil.	Rehabil.	Rehabil.	Rehabil.	Rehabil.	Rehabil.	Rehabil.	Rehabil.	Rehabil.	Rehabil.
Improvement Type	-	Gravel	Gravel	Gravel	Gravel	Gravel	Gravel	Gravel	Gravel	Gravel	Gravel	Gravel	Gravel	Gravel	Gravel	Gravel
Surface Type	-	Gravel	Gravel	Gravel	Gravel	Gravel	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	6.0	6.0	6.0	6.0	6.0
Shoulder Width (m)	-	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.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	TYPE 1-6	TYPE 1-6	TYPE 1-6	TYPE 1-6	TYPE 1-6
Special Treatment	-	-	-	600	-	-	-	-	-	-	-	690	700	300	-	-
Steep Section Length	-	-	-	600	-	-	-	-	-	-	-	690	700	300	-	-
Bridge No.	BR-1	BR-2	BR-3	BR-4	BR-5	BR-6	BR-7	BR-8	BR-9	BR-10						
Existing Type	Bailey	Concrete	Bailey	Concrete	Concrete	Bailey	Concrete	Bailey	Spillway	Concrete						
Length (m)	12	15	16	7	7	22	42	19	-	98						
Proposed Type	2Lane-Br	-	2Lane-Br	-	-	2Lane-Br	-	2Lane-Br	2Lane-Br	-						
Length (m)	15	-	16	-	-	22	-	20	15	-						
No. of Spans	1	-	1	-	-	1	-	1	1	-						

THE PILOT STUDY FOR THE RURAL ROAD NETWORK DEVELOPMENT PROJECT  
IN THE REPUBLIC OF THE PHILIPPINES

PRESENT CONDITION AND PROPOSED IMPROVEMENT

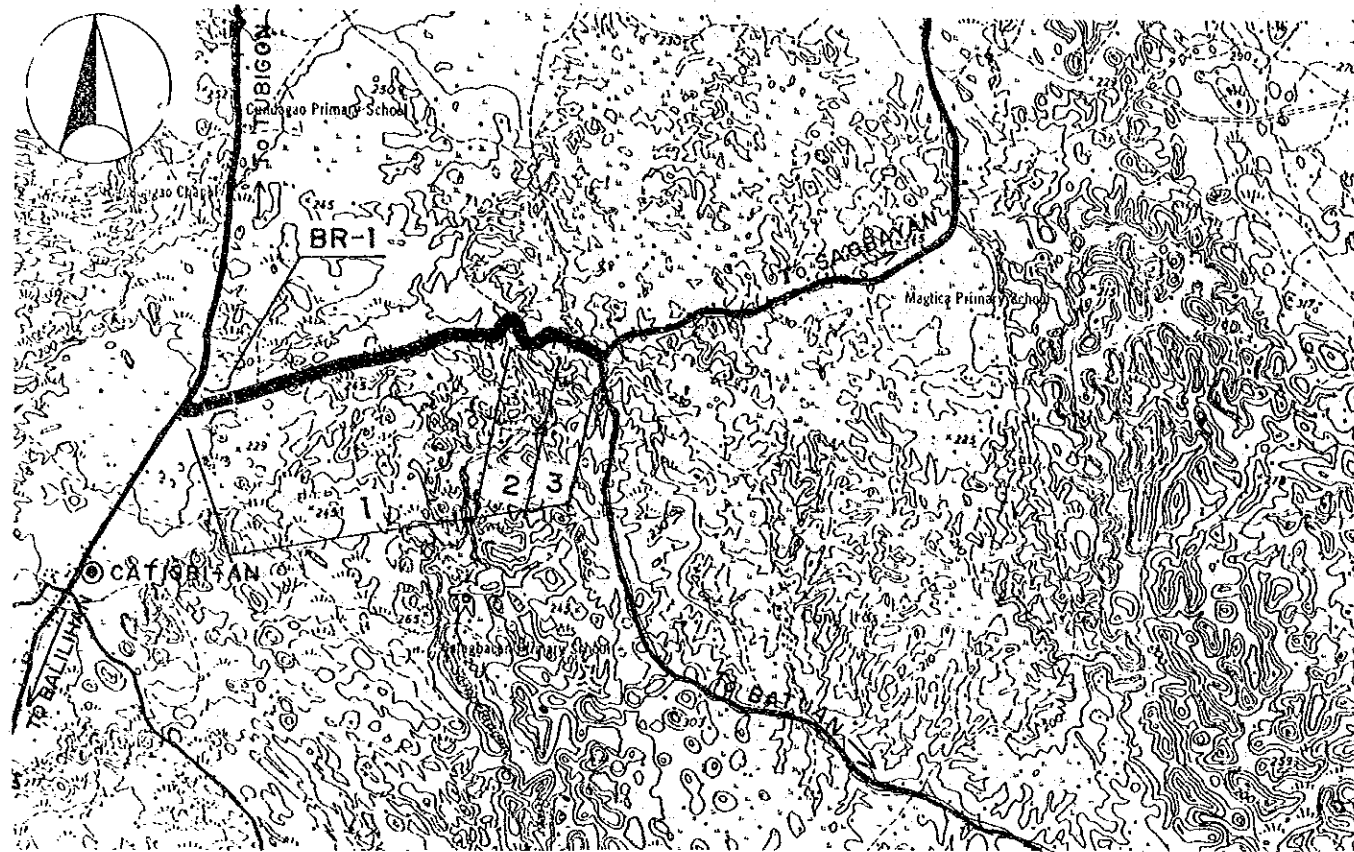
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Drawing No.  
21

Road No: P39-1

Road Name: CATIGBIAN-CANMANO

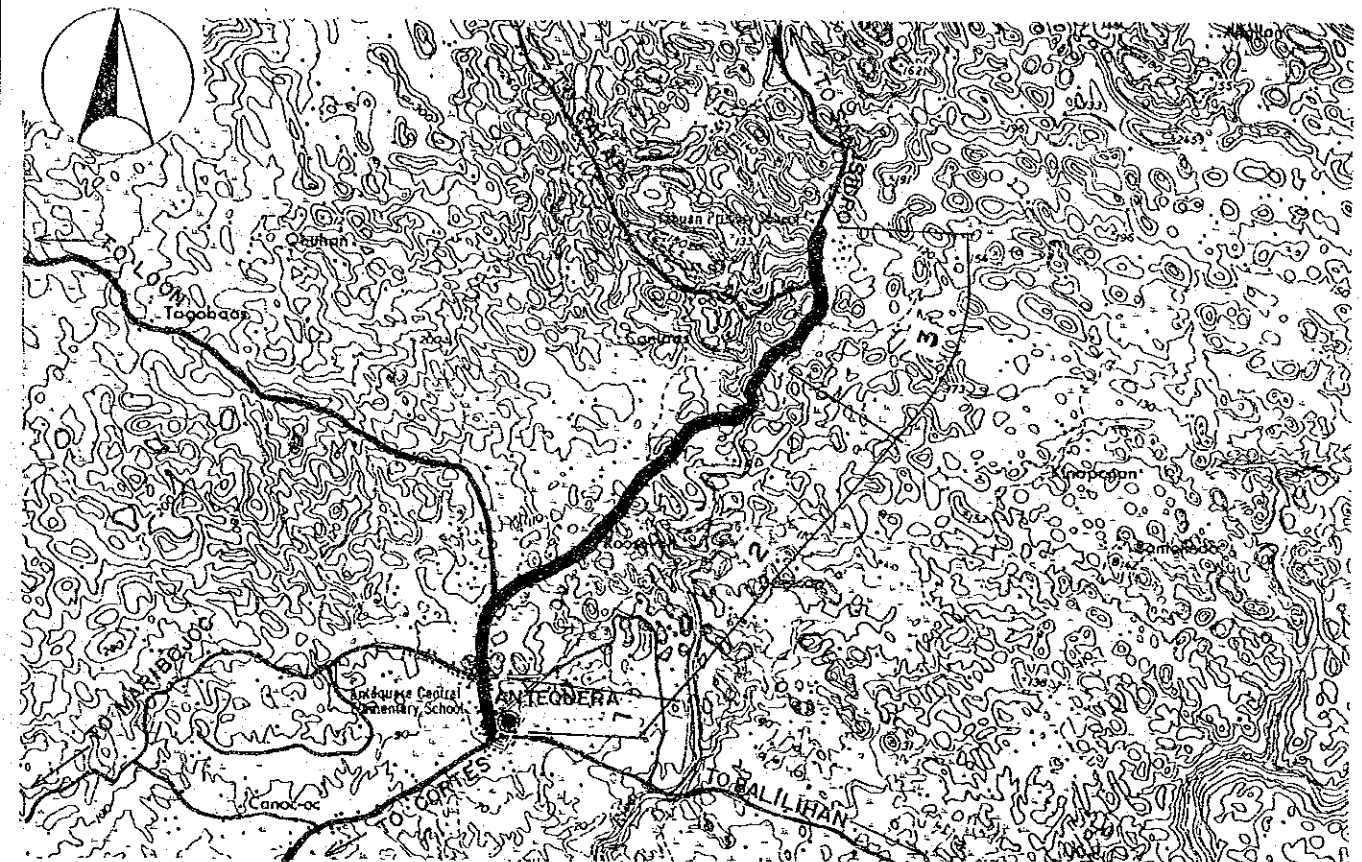
Location : CATIGBIAN, BOHOL



Road No: P41-1

Road Name: ANTEQUERA-CATIGBIAN ROAD

Location : ANTEQUERA, BOHOL



Road Classification	Second'y Major (Prov'l Road)		
Total Length	3.3 km		
Sub-section No.	1	2	3
Length (km)	2.5	.5	.3
Terrain	Rolling	Rolling	Rolling
Existing Road Surface	5.2-GRV (Bad)	5.2-GRV (Bad)	5.2-GRV (Bad)
Proposed Improvement	Rehabil.	Rehabil.	Rehabil.
Improvement Type	Gravel	Gravel	Gravel
Surface Type			
Carriageway Width(m)	6.0	6.0	6.0
Shoulder Width (m)	.5	.5	.5
Ref. Typical Section	TYPE 1-6	TYPE 1-6	TYPE 1-6
Bridge No.	BR-1		
Existing Type	Bailey		
Length (m)	6		
Proposed Type	2Lane-Br		
Length (m)	10		
No. of Spans	1		

Road Classification	Second'y Major (Prov'l Road)		
Total Length	6.2 km		
Sub-section No.	1	2	3
Length (km)	.3	4.0	1.9
Terrain	Mt'nous	Rolling	Flat
Existing Road Surface	4.0-GRV (Bad)	4.5-GRV (Bad)	4.5-GRV (Bad)
Proposed Improvement	Rehabil.	Rehabil.	Rehabil.
Improvement Type	Gravel	Gravel	Gravel
Surface Type			
Carriageway Width(m)	6.0	6.0	6.0
Shoulder Width (m)	.5	.5	1.0
Ref. Typical Section	TYPE 1-6	TYPE 1-6	TYPE 1-6
Special Treatment			
Steep Section Length	90	100	-

THE PILOT STUDY FOR THE RURAL ROAD NETWORK DEVELOPMENT PROJECT  
IN THE REPUBLIC OF THE PHILIPPINES

PRESENT CONDITION AND PROPOSED IMPROVEMENT

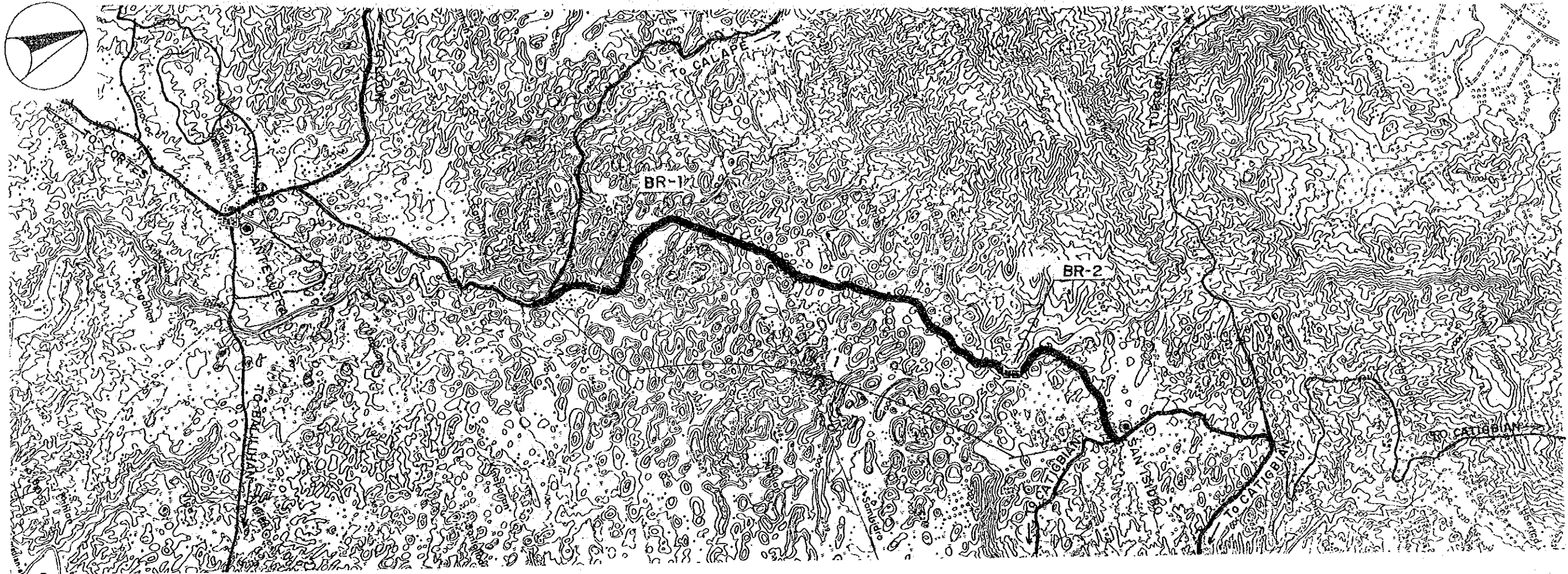
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Drawing No.  
22

Road No: P41-2

Road Name: ANTEQUERA-CATIGBIAN

Location : ANTEQUERA & SAN ISIDRO, BOHOL



Road Classification	Second'y Major Rd (Provincial Road)	
Total Length	8.9 km	
Sub-section No.	1	
Length (km)	8.9	
Terrain	Mt'nous	
Existing Road Surface	3.2-GRV (Fair)	
Proposed Improvement	Widening	
Improvement Type	Gravel	
Surface Type	6.0	
Carriageway Width(m)	.5	
Shoulder Width (m)	TYPE 4-4	
Ref. Typical Section		
Bridge No.	BR-1	BR-2
Existing Type	Bailey	Bailey
Length (m)	16	25
Proposed Type	2Lane-Br	2Lane-Br
Length (m)	20	30
No. of Spans	1	2



**THE PILOT STUDY FOR THE RURAL ROAD NETWORK DEVELOPMENT PROJECT  
IN THE REPUBLIC OF THE PHILIPPINES**

**PRESENT CONDITION AND PROPOSED IMPROVEMENT**

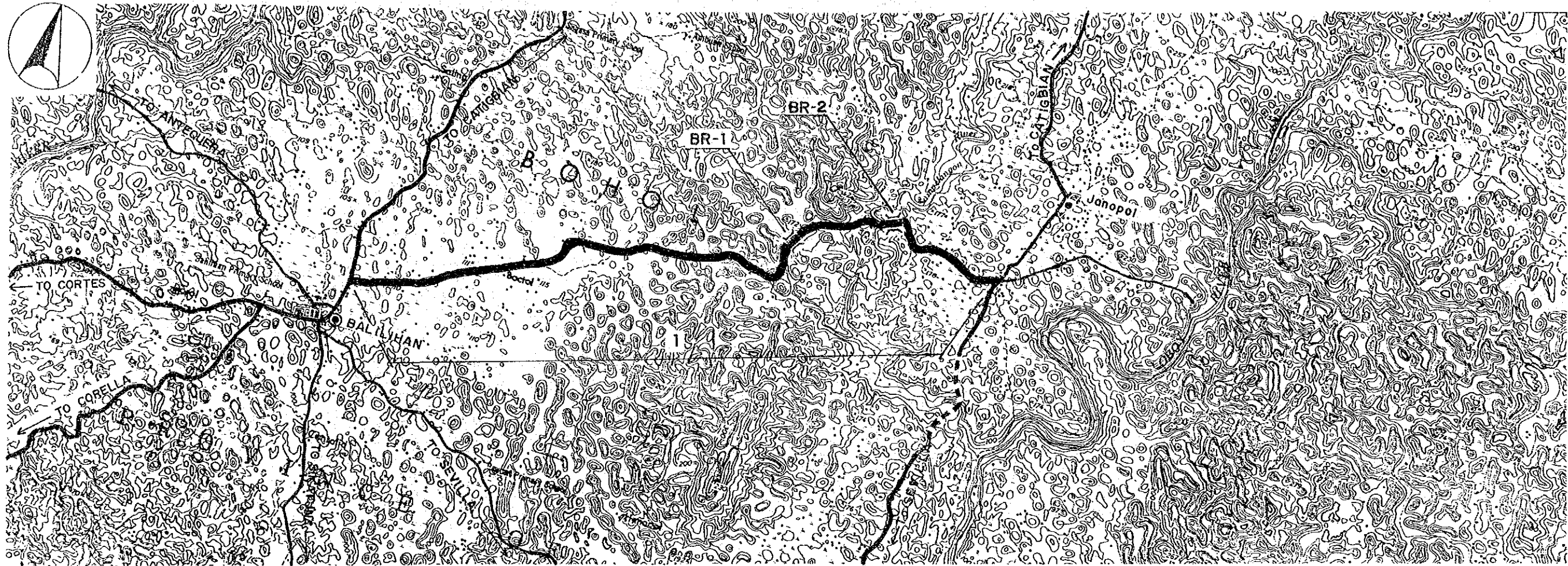
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Drawing No.  
23

Road No: P49-1

Road Name: BALILIHAN-JANOPOL-BATUAN

Location : BALILIHAN, BOHOL.



Road Classification	Second'y Major Rd (Provincial Road)	
Total Length	9.2 km	
Sub-section No.	1	
Length (km)	9.2	
Terrain	Rolling	
Existing Road Surface	3.2-GRV (Fair)	
Proposed Improvement	Widening	
Improvement Type	Gravel	
Surface Type	6.0	
Carriageway Width(m)	.5	
Shoulder Width (m)	TYPE 4-4	
Ref. Typical Section		
Bridge No.	BR-1	BR-2
Existing Type	Bailey	Bailey
Length (m)	31	31
Proposed Type	2Lane-Br	2Lane-Br
Length (m)	32	32
No. of Spans	2	2