

REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS & HIGHWAYS

Feasibility Study
on
The Rural Road Network Development Project

FINAL REPORT (Volume 19)

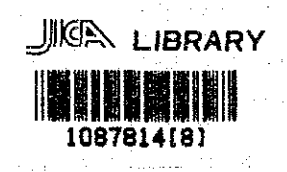
DRAWINGS FOR ROAD PROJECTS
IN
THE PROVINCE OF OCCIDENTAL MINDORO

OCTOBER, 1990

JAPAN INTERNATIONAL COOPERATION AGENCY

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国際協力事業団

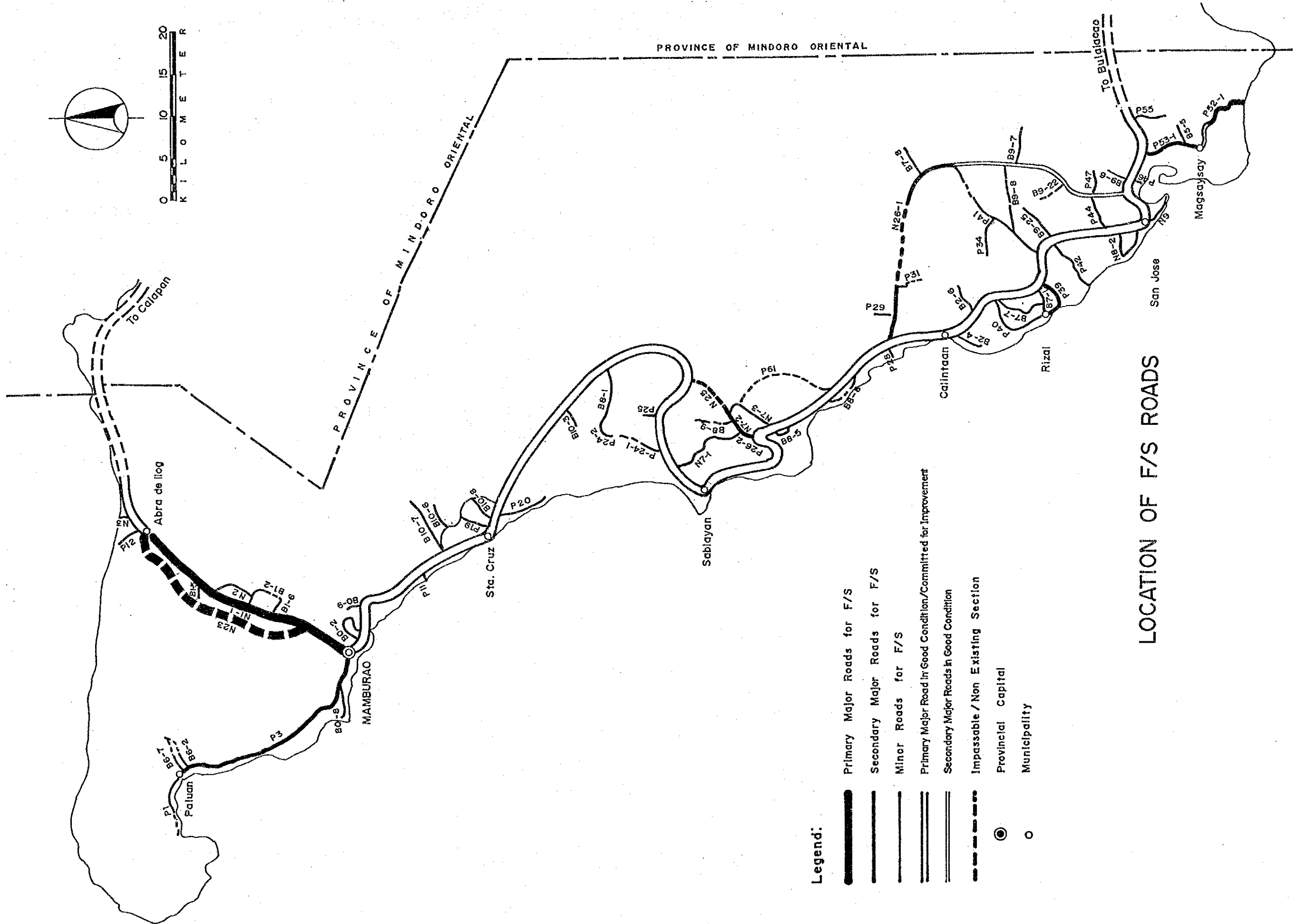
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| 10 to 51 | PRESENT CONDITION AND PROPOSED IMPROVEMENT |

LIST OF ROADS

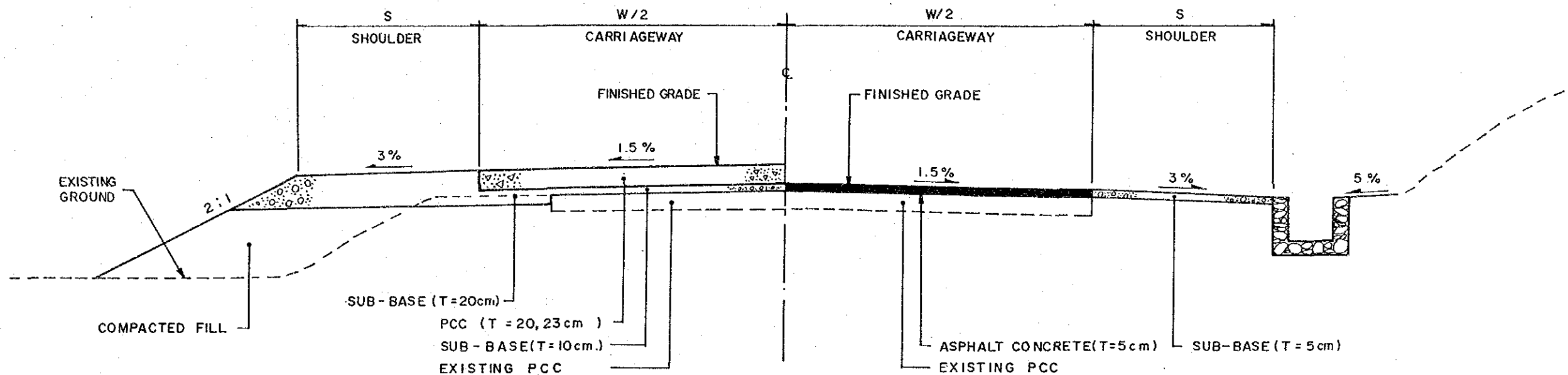
| Road Class | Road No. | Drawing No. | Road Class | Road No. | Drawing No. | Road Class | Road No. | Drawing No. |
|-------------------------|----------|-------------|------------|----------|-------------|------------|----------|-------------|
| Primary Major Road | N 1 - 1 | 10 & 11 | | P24 - 1 | 28 | | B2 - 4 | 41 |
| | N23 | 12 & 13 | | P24 - 2 | 28 | | B2 - 6 | 41 |
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| | N25 | 14 | | P28 | 29 | | B6 - 2 | 42 |
| | N26 - 1 | 15 & 16 | | P29 | 30 | | B6 - 7 | 43 |
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| | P52 - 1 | 20 | | P41 | 32 | | B8 - 1 | 45 |
| | P53 - 1 | 20 | | P42 | 33 | | B8 - 5 | 45 |
| Minor Road | N2 | 21 | | P44 | 33 | | B8 - 8 | 46 |
| | N3 | 21 | | P46 | 34 | | B8 - 9 | 46 |
| | N7 - 1 | 22 | | P47 | 34 | | B9 - 6 | 47 |
| | N7 - 3 | 23 | | P55 | 35 | | B9 - 7 | 47 |
| | N8 - 2 | 24 | | P61 | 36 | | B9 - 8 | 48 |
| | N9 | 24 | | B0 - 2 | 37 | | B9 - 22 | 48 |
| | P1 | 25 | | B0 - 8 | 38 | | B9 - 25 | 49 |
| | P11 | 26 | | B0 - 9 | 39 | | B10 - 3 | 49 |
| | P12 | 26 | | B1 - 2 | 39 | | B10 - 6 | 50 |
| | P19 | 27 | | B1 - 5 | 40 | | B10 - 7 | 50 |
| | P20 | 27 | | B1 - 6 | 40 | | B10 - 8 | 51 |



Legend:

- Primary Major Roads for F/S
- Secondary Major Roads for F/S
- Minor Roads for F/S
- Primary Major Road in Good Condition/Committed for Improvement
- Secondary Major Roads in Good Condition
- Impassable / Non Existing Section
- Provincial Capital
- Municipality

LOCATION OF F/S ROADS

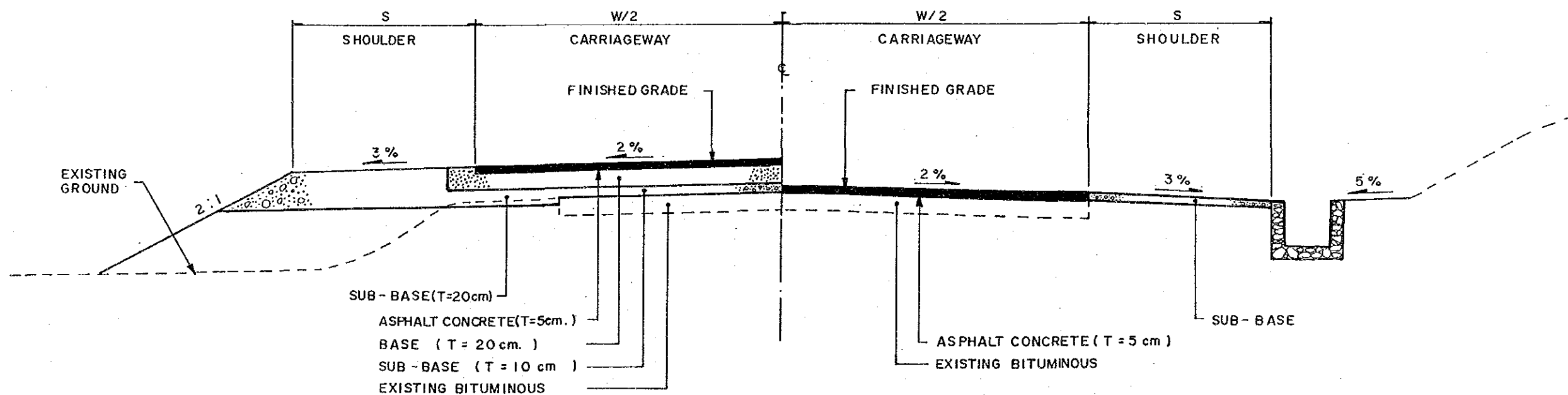


TYPE 1-1

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

TYPE 1-2

PROPOSED PAVEMENT : ASPHALT CONCRETE OVERLAY
EXISTING PAVEMENT : PCC (BAD / VERY BAD)



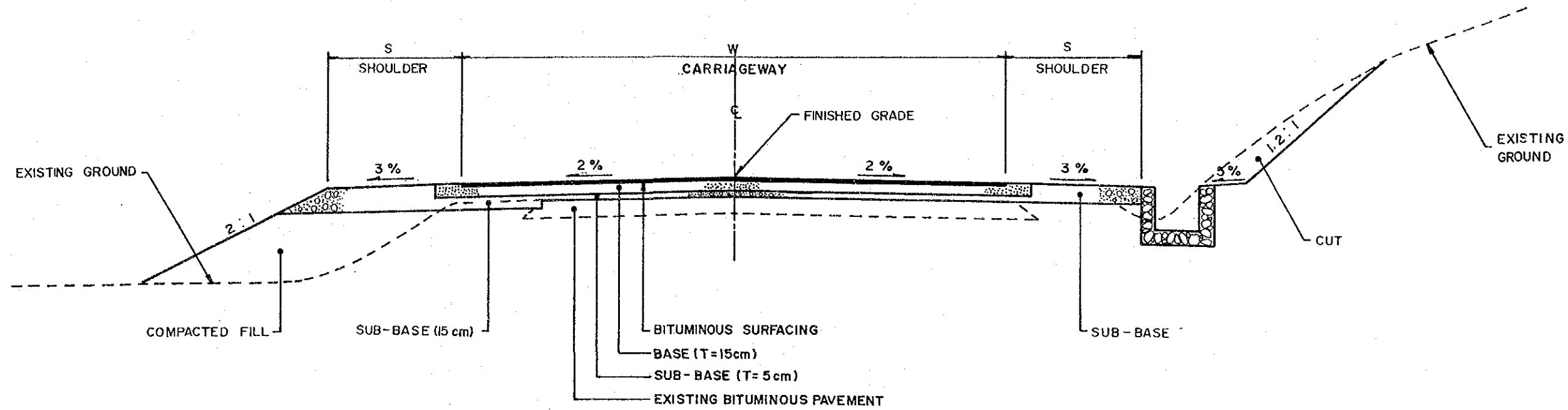
TYPE 1-3

PROPOSED PAVEMENT : ASPHALT CONCRETE
EXISTING PAVEMENT : BITUMINOUS (BAD / VERY BAD)

TYPE 1-4

PROPOSED PAVEMENT : ASPHALT CONCRETE OVERLAY
EXISTING PAVEMENT : BITUMINOUS (BAD / VERY BAD)

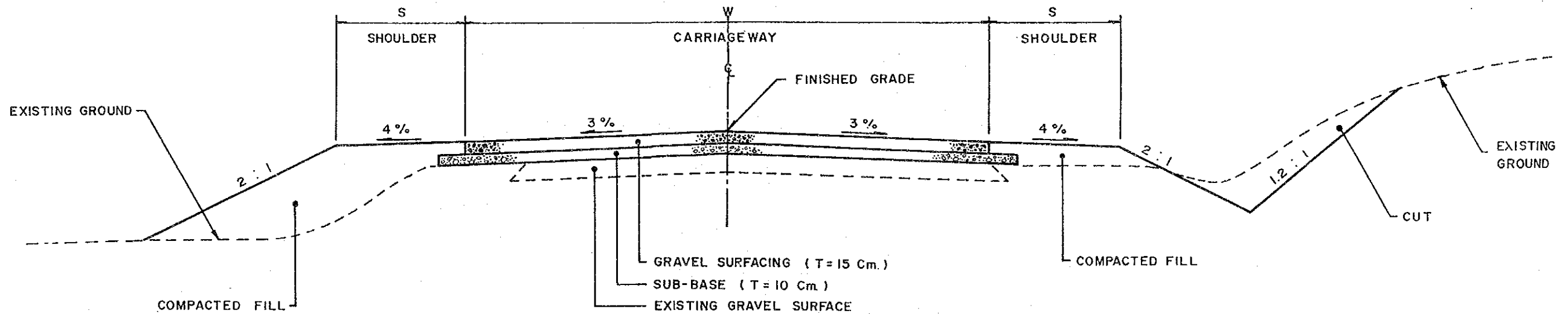
REHABILITATION (1)



TYPE I-5

PROPOSED PAVEMENT : BITUMINOUS MACADAM/DOUBLE BITUMINOUS SURFACE TREATMENT

EXISTING PAVEMENT : BITUMINOUS (BAD / VERY BAD)

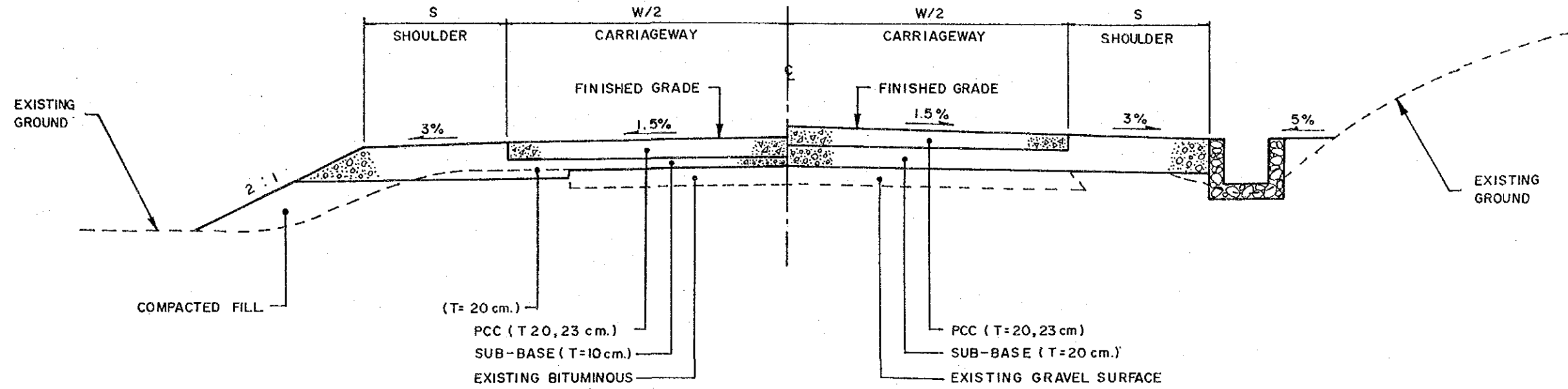


TYPE I-6

PROPOSED PAVEMENT : GRAVEL SURFACING

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

REHABILITATION (2)

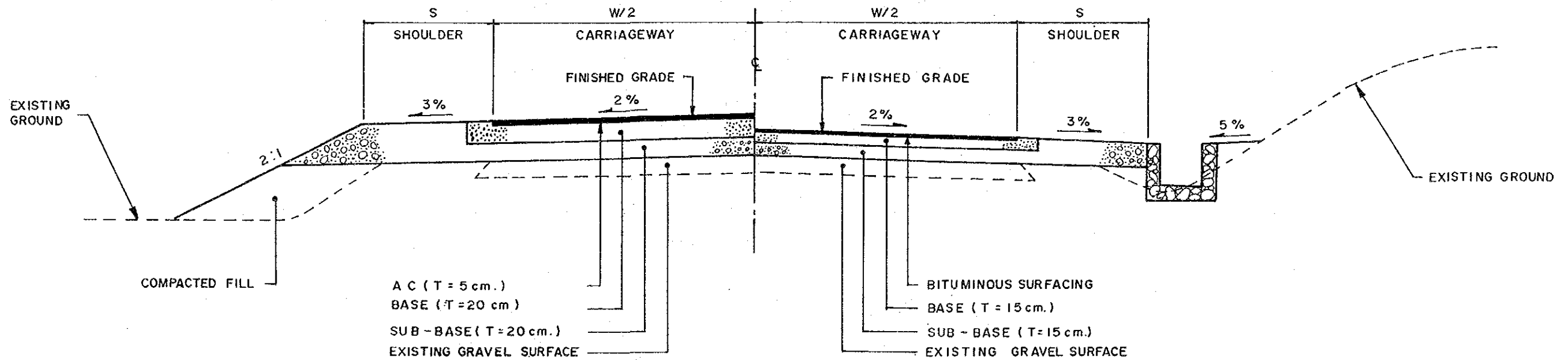


TYPE 2-1

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

TYPE 2-2

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



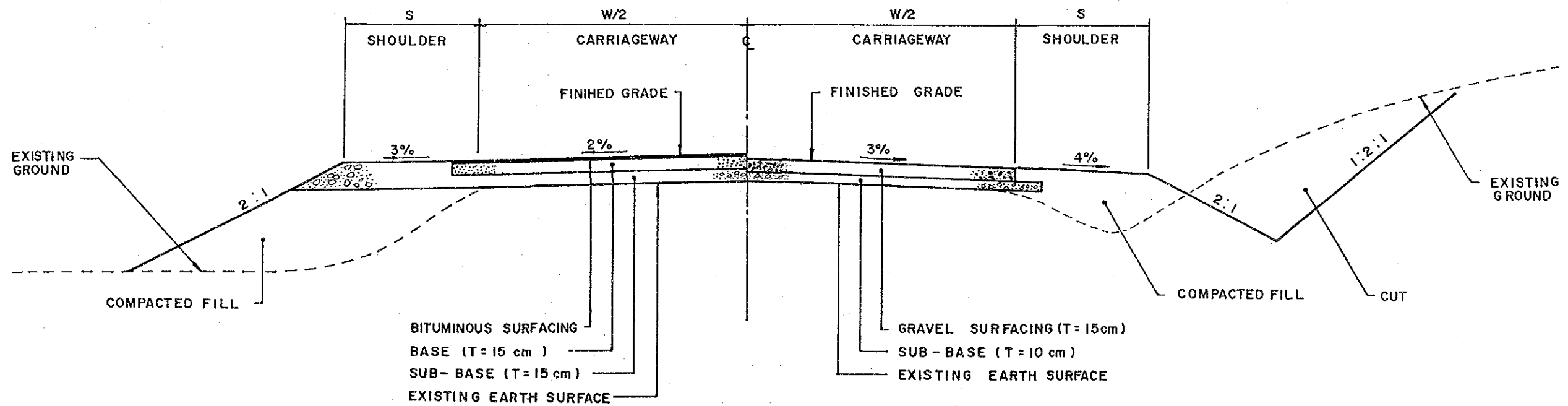
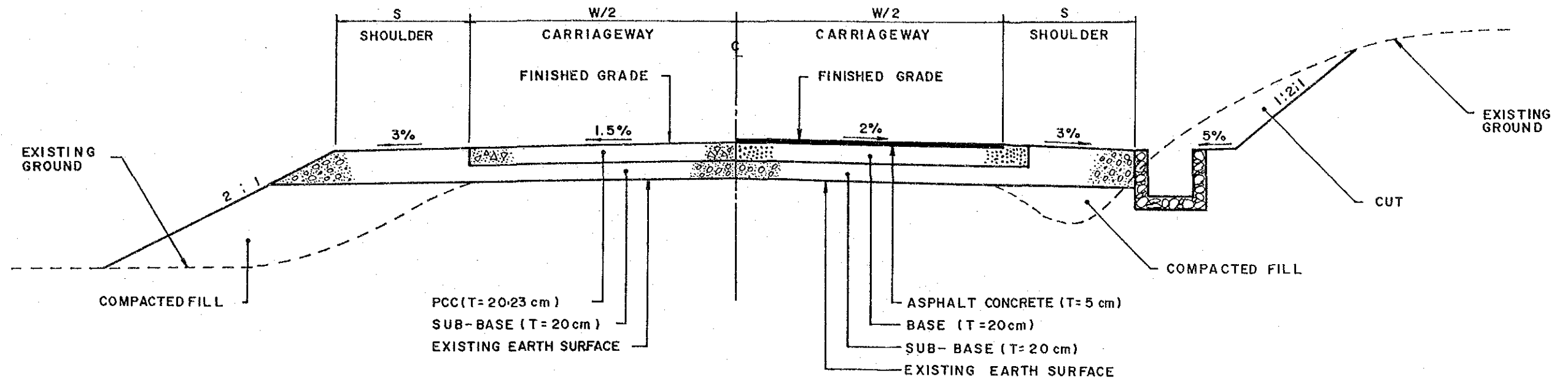
TYPE 2-3

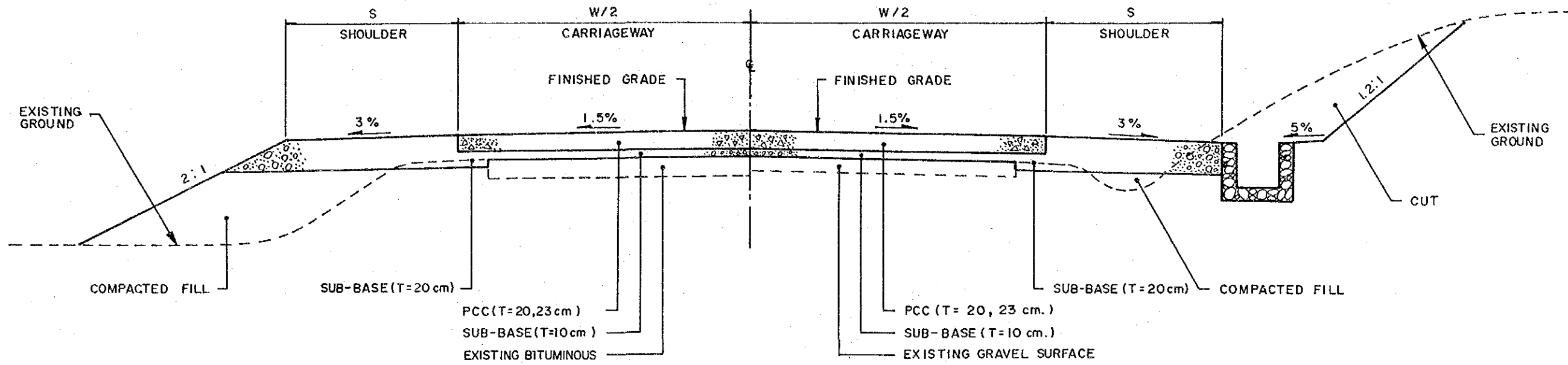
PROPOSED PAVEMENT : ASPHALT CONCRETE
EXISTING PAVEMENT : GRAVEL SURFACING
(BAD/VERY BAD)

TYPE 2-4

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

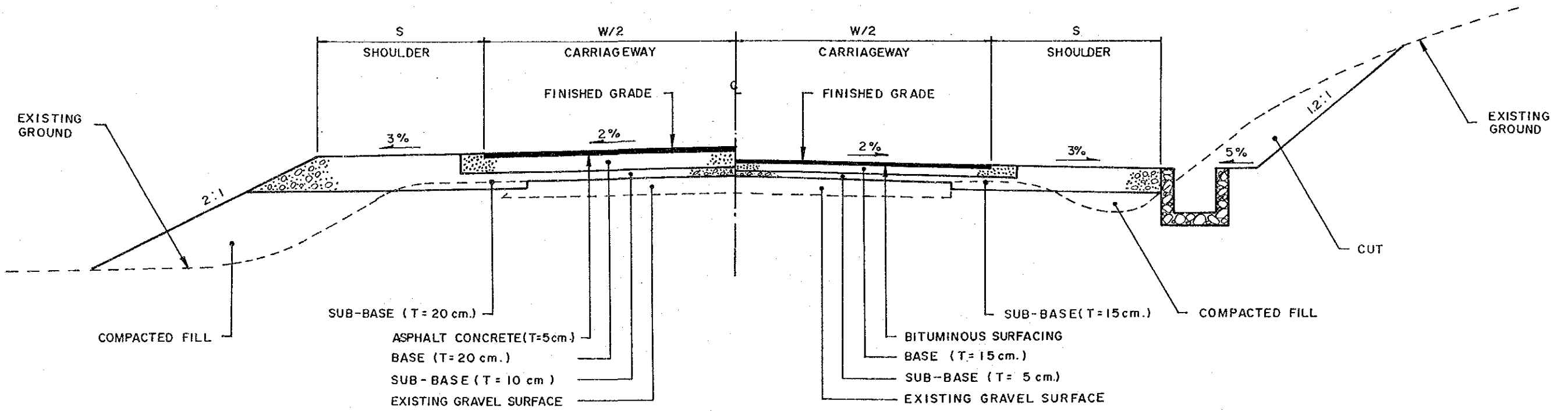
IMPROVEMENT - I (I)





TYPE 3-1
PROPOSED PAVEMENT : PCC
EXISTING PAVEMENT : BITUMINOUS (Good/Fair)

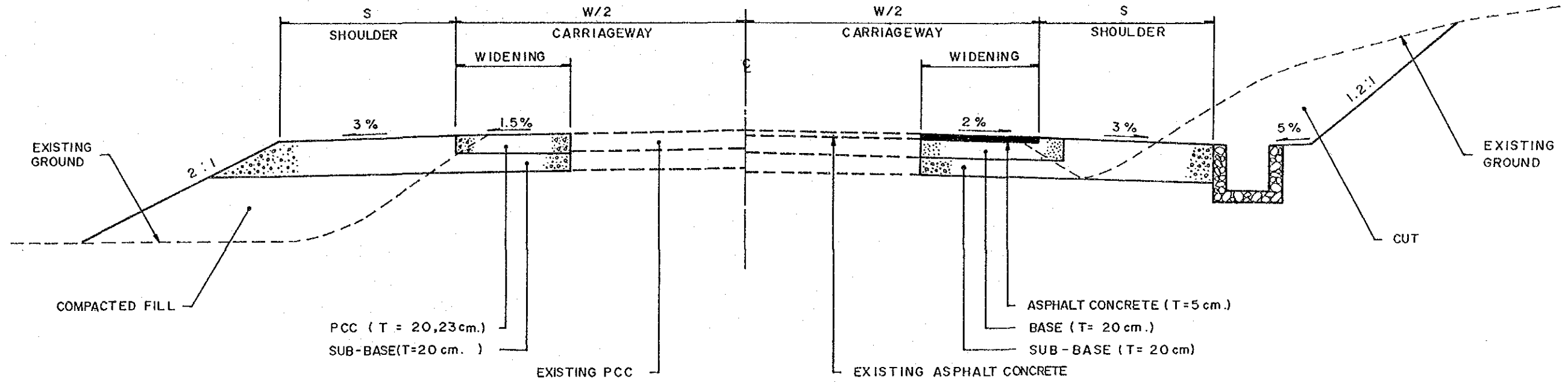
TYPE 3-2
PROPOSED PAVEMENT : PCC
EXISTING PAVEMENT : GRAVEL SURFACING (Good/Fair)



TYPE 3-3
PROPOSED PAVEMENT : ASPHALT CONCRETE
EXISTING PAVEMENT : GRAVEL SURFACING (Good/Fair)

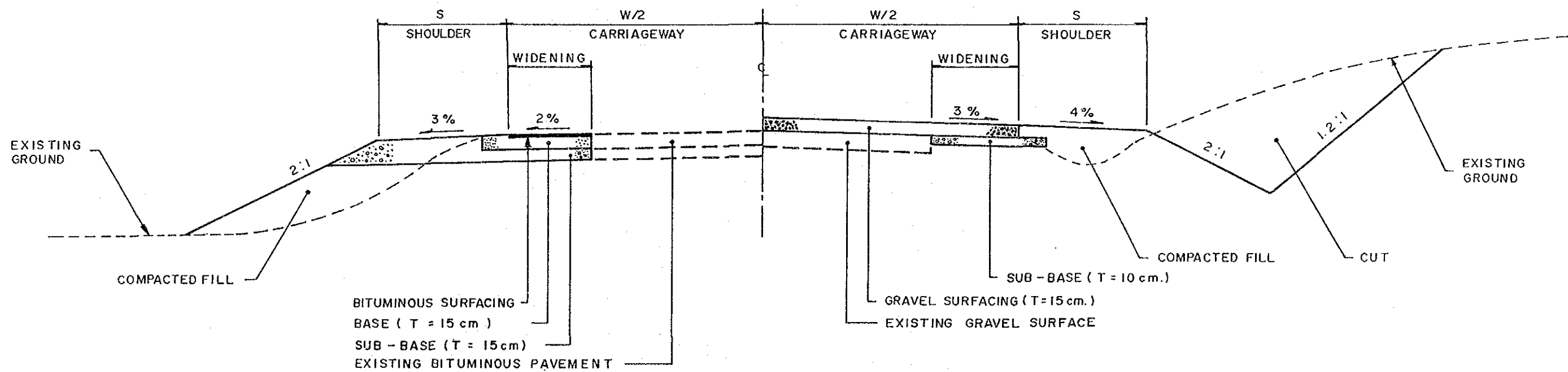
TYPE 3-4
PROPOSED PAVEMENT : BITUMINOUS MACADAM/DOUBLE BITUMINOUS SURFACE TREATMENT
EXISTING PAVEMENT : GRAVEL SURFACING (Good/Fair)

IMPROVEMENT-2



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

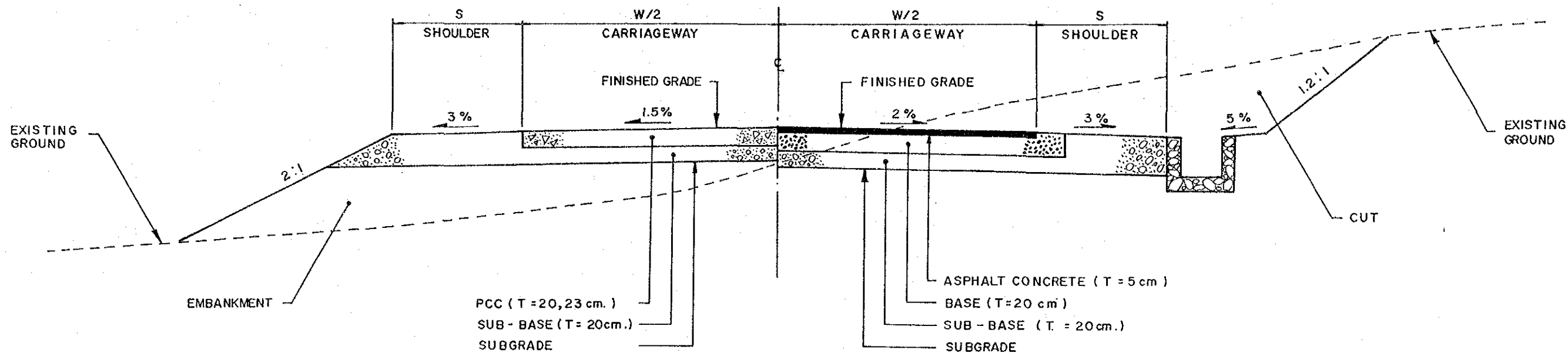
TYPE 4-2
PROPOSED PAVEMENT : ASPHALT CONCRETE
EXISTING PAVEMENT : ASPHALT CONCRETE



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

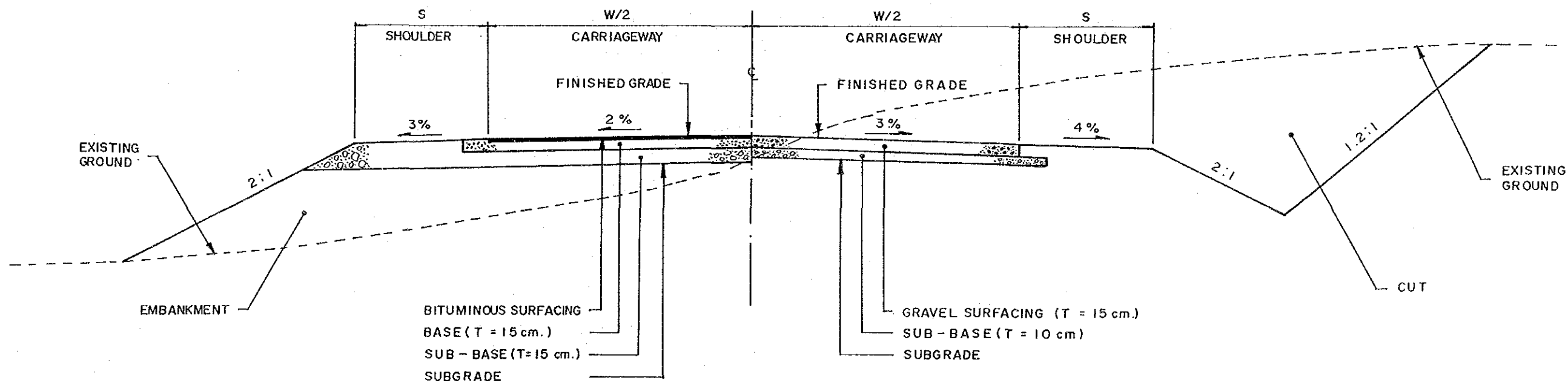
TYPE 4-4
PROPOSED PAVEMENT : GRAVEL SURFACING
EXISTING PAVEMENT : GRAVEL SURFACING

WIDENING



TYPE 5-1
PROPOSED PAVEMENT : PCC

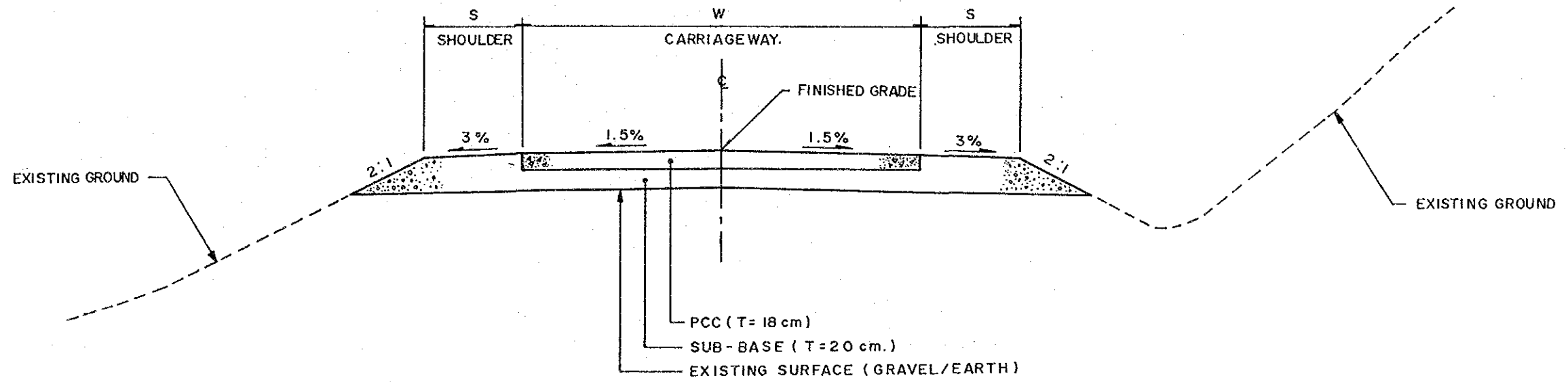
TYPE 5-2
PROPOSED PAVEMENT : ASPHALT CONCRETE



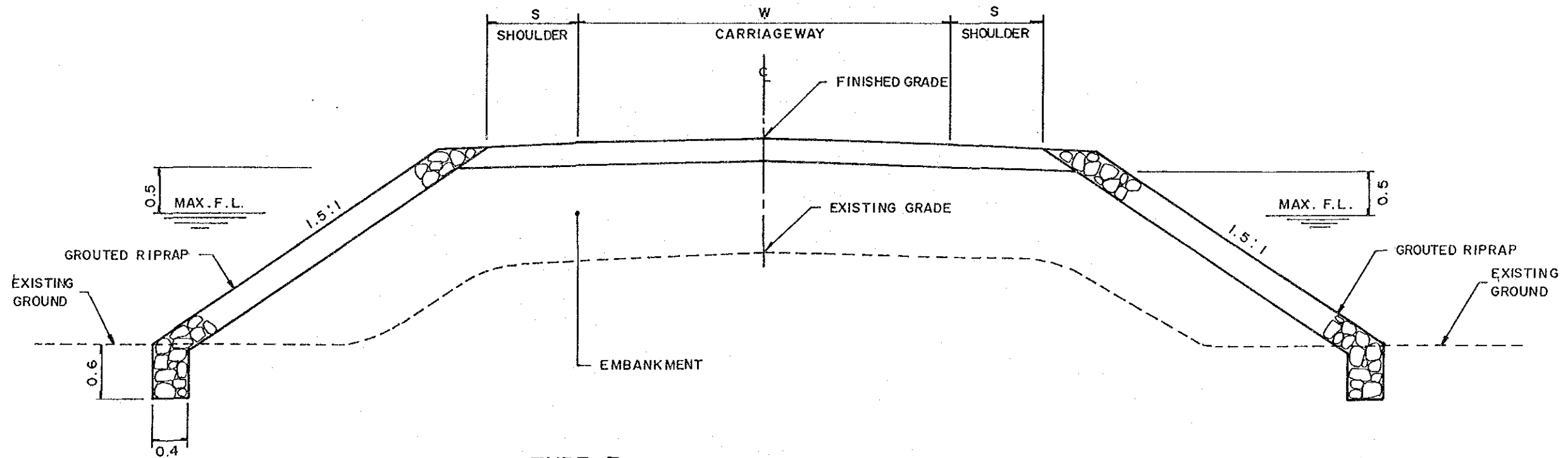
TYPE 5-3
PROPOSED PAVEMENT : BITUMINOUS MACADAM/
DOUBLE BITUMINOUS
SURFACE TREATMENT

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

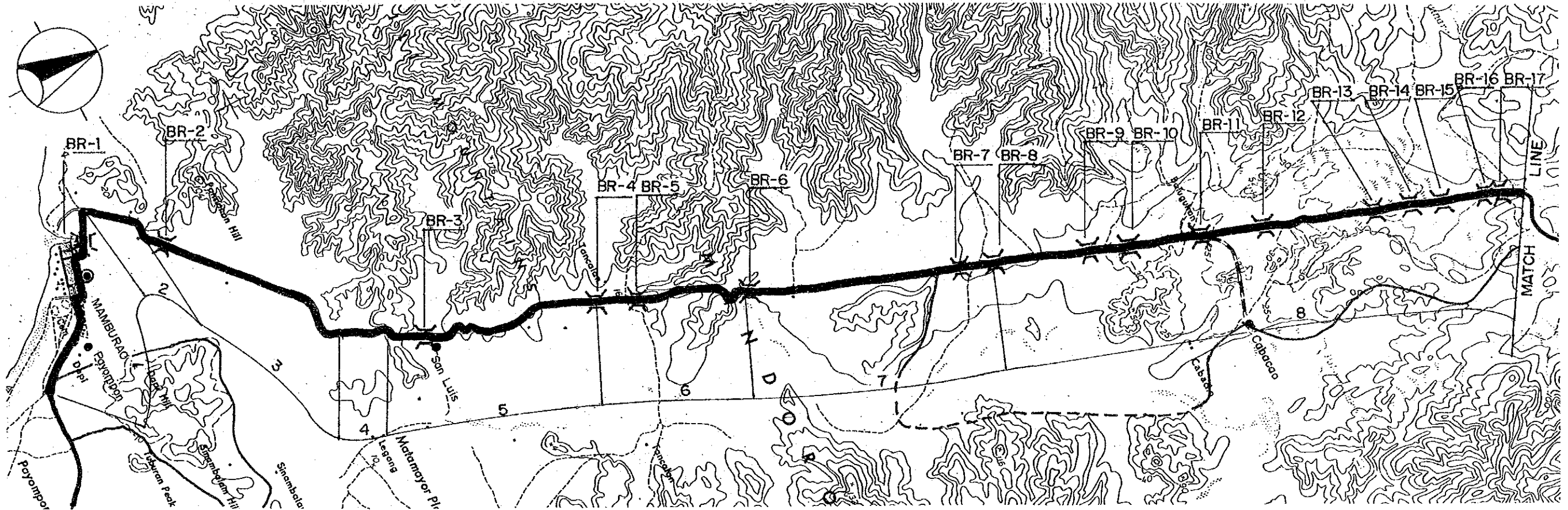
**THE FEASIBILITY STUDY ON THE RURAL ROAD NETWORK DEVELOPMENT PROJECT
IN THE REPUBLIC OF THE PHILIPPINES**

PRESENT CONDITION AND PROPOSED IMPROVEMENT

Scale
1:50,000

Drawing No.
10

Road No. N1-1 Road Name: MAMBURAO - P. GALERA ROAD
Location : MAMBURAO & ABRA DE ILOG, OCCIDENTAL MINDORO



| Road Classification | Primary Major (National Road) | | | | | | | | | | | | | | | | |
|-----------------------|-------------------------------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Total Length | 34.2 km | | | | | | | | | | | | | | | | |
| Sub-section No. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | | | | | | | | |
| Length (km) | 2.4 | .8 | 2.6 | .8 | 3.1 | 1.8 | 3.2 | 6.9 | | | | | | | | | |
| Terrain | Flat | Flat | Flat | Flat | Flat | Rolling | Flat | Flat | | | | | | | | | |
| Existing Road Surface | 6.8-PCC (Good) | 6.1-BTM (Bad) | 6.1-PCC (Good) | 6.0-GRV (Fair) | 6.0-BTM (Good) | 6.0-GRV (Fair) | 6.0-GRV (Fair) | 6.0-GRV (Fair) | | | | | | | | | |
| Proposed Improvement | | | | | | | | | | | | | | | | | |
| Improvement Type | - | Rehabil. | - | Impr.-2 | - | Impr.-2 | Impr.-2 | Impr.-2 | | | | | | | | | |
| Surface Type | - | * BMP | - | * BMP | - | * BMP | * BMP | * BMP | | | | | | | | | |
| Carriageway Width(m) | - | 6.0 | - | 6.0 | - | 6.0 | 6.0 | 6.0 | | | | | | | | | |
| Shoulder Width (m) | - | .0 | - | .0 | - | 1.0 | .0 | .0 | | | | | | | | | |
| Ref. Typical Section | - | TYPE 1-5 | - | TYPE 3-4 | - | TYPE 3-4 | TYPE 3-4 | TYPE 3-4 | | | | | | | | | |
| Special Treatment | | | | | | | | | | | | | | | | | |
| Flood Section Length | - | - | - | 800 | - | - | 2500 | 5000 | | | | | | | | | |
| Height | - | - | - | 2.0 | - | - | 1.5 | .8 | | | | | | | | | |
| Bridge No. | BR-1 | BR-2 | BR-3 | 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 | Concrete | Concrete | Concrete | Concrete | Bailey | Concrete | Concrete | Concrete | Timber | Concrete | Bailey | Bailey | Ford-Cr. | Bailey | Bailey | Timber | Timber |
| Length (m) | 120 | 14 | 18 | 25 | 9 | 19 | 16 | 22 | 6 | 14.9 | 6 | 9 | - | 21 | 18 | 8 | 10 |
| Proposed Type | - | - | - | 2Lane-Br | - | - | - | - | 2Lane-Br | - | 2Lane-Br | 2Lane-Br | 2Lane-Br | 2Lane-Br | 2Lane-Br | 2Lane-Br | 2Lane-Br |
| Length (m) | - | - | - | - | 10 | - | - | - | 10 | - | 8 | 10 | 100 | 20 | 20 | 8 | 10 |
| No. of Spans | - | - | - | - | 1 | - | - | - | 1 | - | 1 | 1 | 4 | 1 | 1 | 1 | 1 |

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

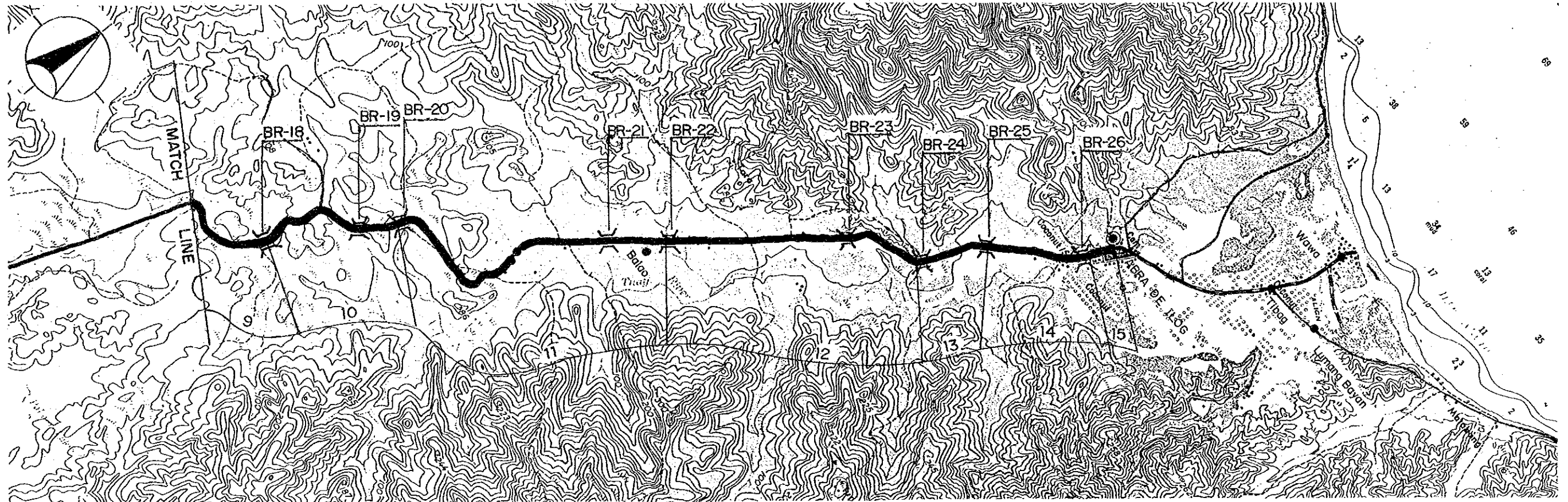
**THE FEASIBILITY STUDY ON THE RURAL ROAD NETWORK DEVELOPMENT PROJECT
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PRESENT CONDITION AND PROPOSED IMPROVEMENT

Scale
1:50,000

Drawing No.
71

Road No. NI-1 Road Name: MAMBURAO - P. GALERA ROAD
Location : MAMBURAO & ABRA DE ILOG, OCCIDENTAL MINDORO



| Road Classification | Primary Major (National Road) | | | | | | | | |
|-----------------------|-------------------------------|-------------------|-------------------|-------------------|------------------|-------------------|-------------------|----------|----------|
| Total Length | 34.2 km | | | | | | | | |
| Sub-section No. | 9 | 10 | 11 | 12 | 13 | 14 | 15 | | |
| Length (km) | 1.0 | 2.0 | 3.8 | 3.2 | 1.0 | 1.3 | .3 | | |
| Terrain | Rolling | Rolling | Flat | Flat | Flat | Flat | Flat | | |
| Existing Road Surface | 6.0-GRV (Fair) | 6.0-GRV (Fair) | 6.0-GRV (Fair) | 6.0-GRV (Fair) | 6.0-GRV (Bad) | 6.0-GRV (Fair) | 6.1-PCC (Fair) | | |
| Proposed Improvement | Impr.-2 | Impr.-2 | Impr.-2 | Impr.-2 | Impr.-1 | Impr.-2 | Rehabil. | | |
| Improvement Type | | | | | | | | | |
| Surface Type | * BMP | * BMP | * BMP | * BMP | * BMP | * BMP | PCC | | |
| Carriageway Width(m) | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | | |
| Shoulder Width (m) | 1.0 | 1.0 | .0 | .0 | .0 | .0 | 8.0 | | |
| Ref. Typical Section | TYPE 3-4 | TYPE 3-4 | TYPE 3-4 | TYPE 3-4 | TYPE 2-4 | TYPE 3-4 | TYPE 1-1 | | |
| Special Treatment | | | | | | | | | |
| Flood Section Length | - | - | - | 500 | 500 | 300 | 300 | | |
| Height | - | - | - | 1.5 | 1.5 | 1.5 | 1.5 | | |
| Bridge No. | BR-18 | BR-19 | BR-20 | BR-21 | BR-22 | BR-23 | BR-24 | BR-25 | BR-26 |
| Existing Type | Bailey | Concrete | Concrete | Timber | Concrete | Concrete | Concrete | Bailey | Concrete |
| Length (m) | 6 | 19 | 75 | 18 | 45 | 18 | 13 | 12 | 13 |
| Proposed Type | 2Lane-Br | - | - | 2Lane-Br | - | - | - | 2Lane-Br | 2Lane-Br |
| Length (m) | 10 | - | - | 20 | - | - | - | 12 | 30 |
| No. of Spans | 1 | - | - | 1 | - | - | - | 1 | 2 |

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

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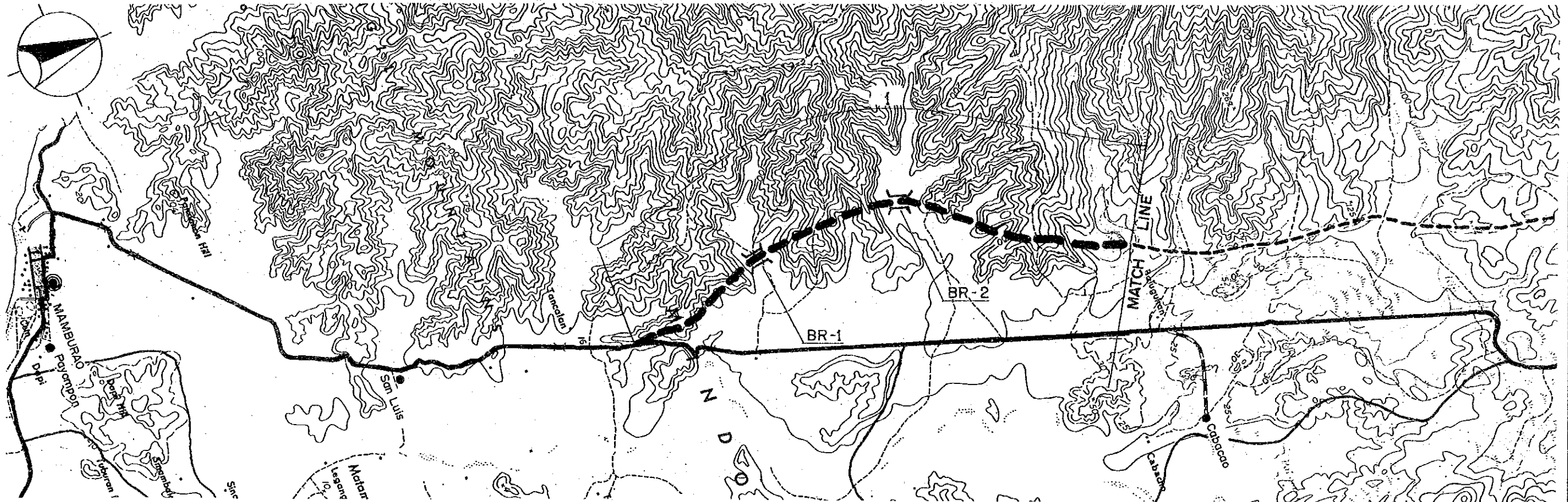
PRESENT CONDITION AND PROPOSED IMPROVEMENT

Scale
1:50,000

Drawing No.
12

Road No. N23

Road Name: NEW MAMBURAO NORTH P.G. ROAD
Location: ABRA DE ILOG, OCCIDENTAL MINDORO



| | | |
|-----------------------|----------------------------------|----------|
| Road Classification | Primary Major (National Road) | |
| Total Length | 26.0 km | |
| Sub-section No. | 1 | |
| Length (km) | 7.0 | |
| Terrain | Mt'nous | |
| Existing Road Surface | Non Existing | |
| Proposed Improvement | New Con. | |
| Improvement Type | * BMP | |
| Surface Type | * BMP | |
| Carriageway Width(m) | 6.0 | |
| Shoulder Width (m) | .5 | |
| Ref. Typical Section | TYPE 5-3 | |
| Bridge No. | BR-1 | BR-2 |
| Existing Type | Ford-Cr. | Ford-Cr. |
| Length (m) | - | - |
| Proposed Type | 2Lane-Br | 2Lane-Br |
| Length (m) | 10 | 15 |
| No. of Spans | 1 | 1 |

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

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PRESENT CONDITION AND PROPOSED IMPROVEMENT

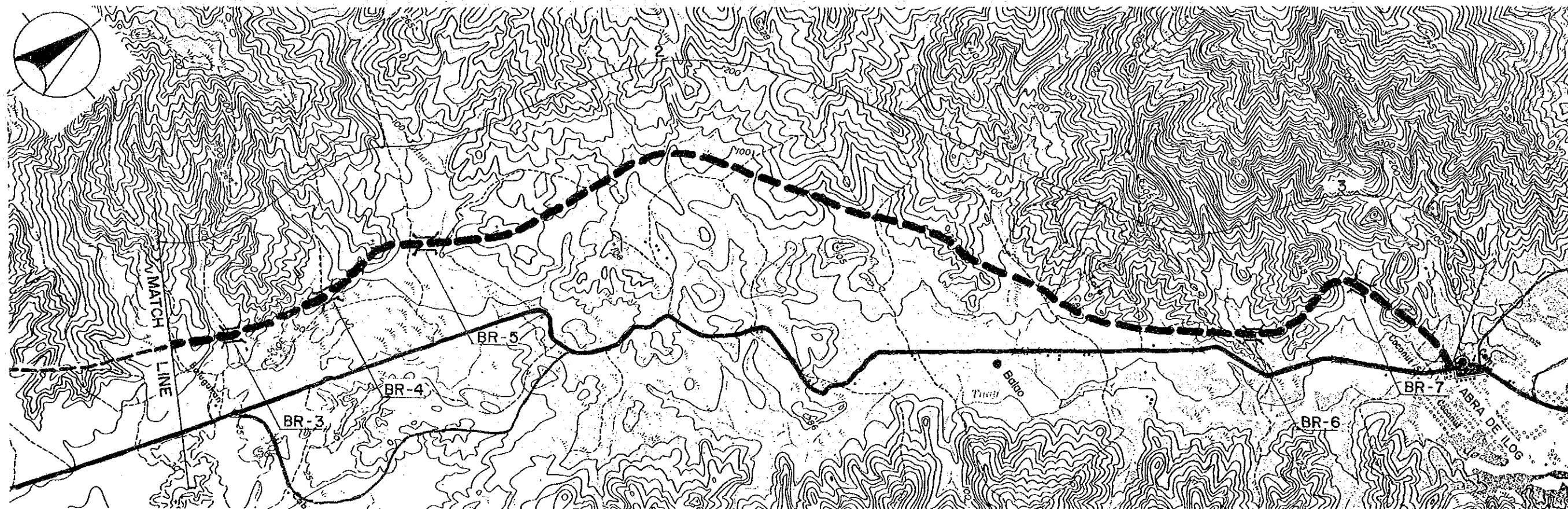
Scale
1:50,000

Drawing No.
13

Road No. N23

Road Name: NEW MAMBURAO NORTH P.G. ROAD

Location : ABRA DE ILOG, OCCIDENTAL MINDORO



| | | | | | |
|-----------------------|------------------------------------|---------------|----------|----------|----------|
| Road Classification | Primary Major Road (National Road) | | | | |
| Total Length | 26.0 km | | | | |
| Sub-section No. | 2 | 3 | | | |
| Length (km) | 13.0 | 6.0 | | | |
| 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) | 1.0 | .5 | | | |
| Ref. Typical Section | TYPE 5-3 | TYPE 5-3 | | | |
| Bridge No. | BR-3 | BR-4 | BR-5 | BR-6 | BR-7 |
| Existing Type | Ford-Cr. | Ford-Cr. | Ford-Cr. | Ford-Cr. | Ford-Cr. |
| Length (m) | - | - | - | - | - |
| Proposed Type | 2Lane-Br | 2Lane-Br | 2Lane-Br | 2Lane-Br | 2Lane-Br |
| Length (m) | 10 | 10 | 30 | 10 | 10 |
| No. of Spans | 1 | 1 | 2 | 1 | 1 |

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

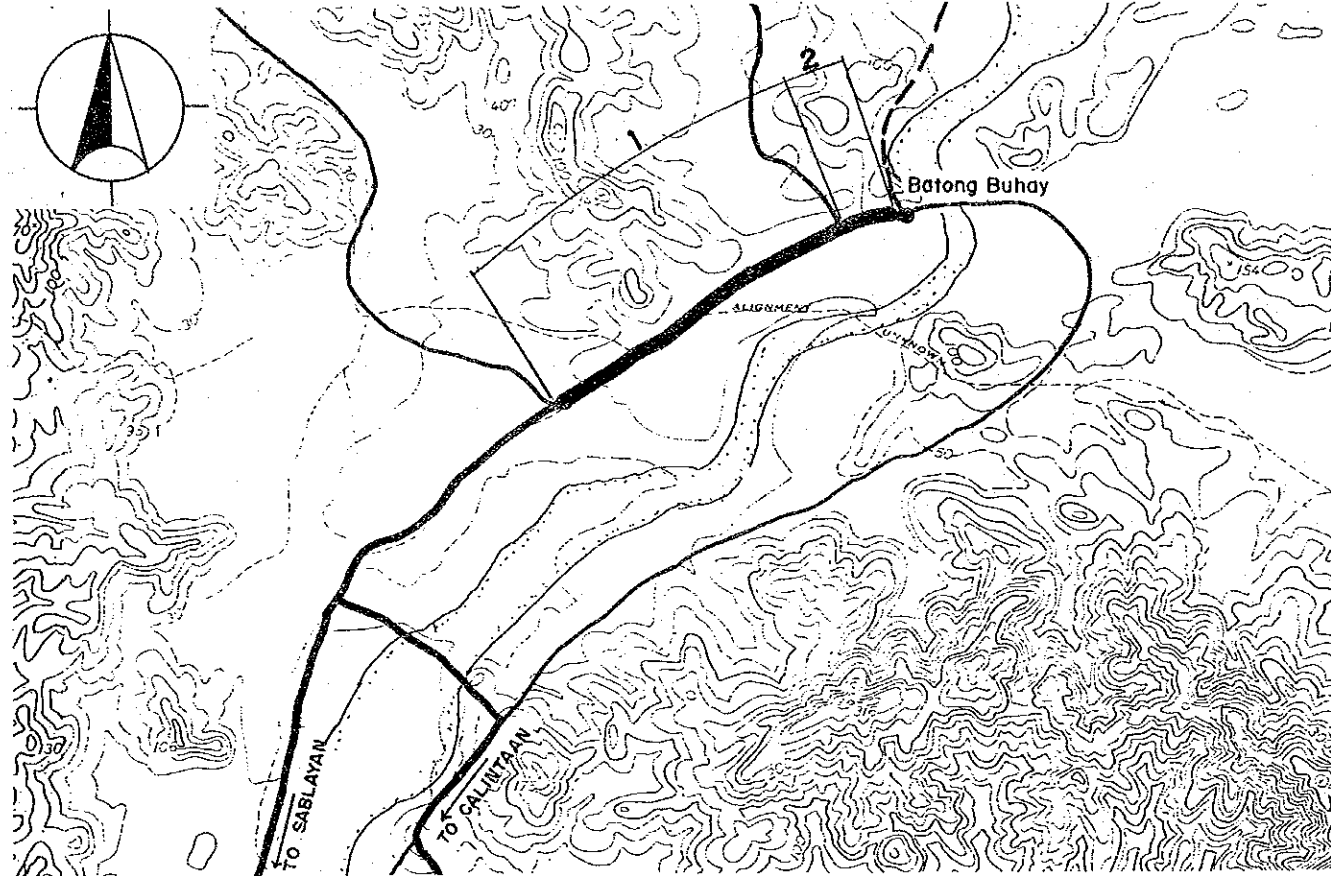
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PRESENT CONDITION AND PROPOSED IMPROVEMENT

Scale
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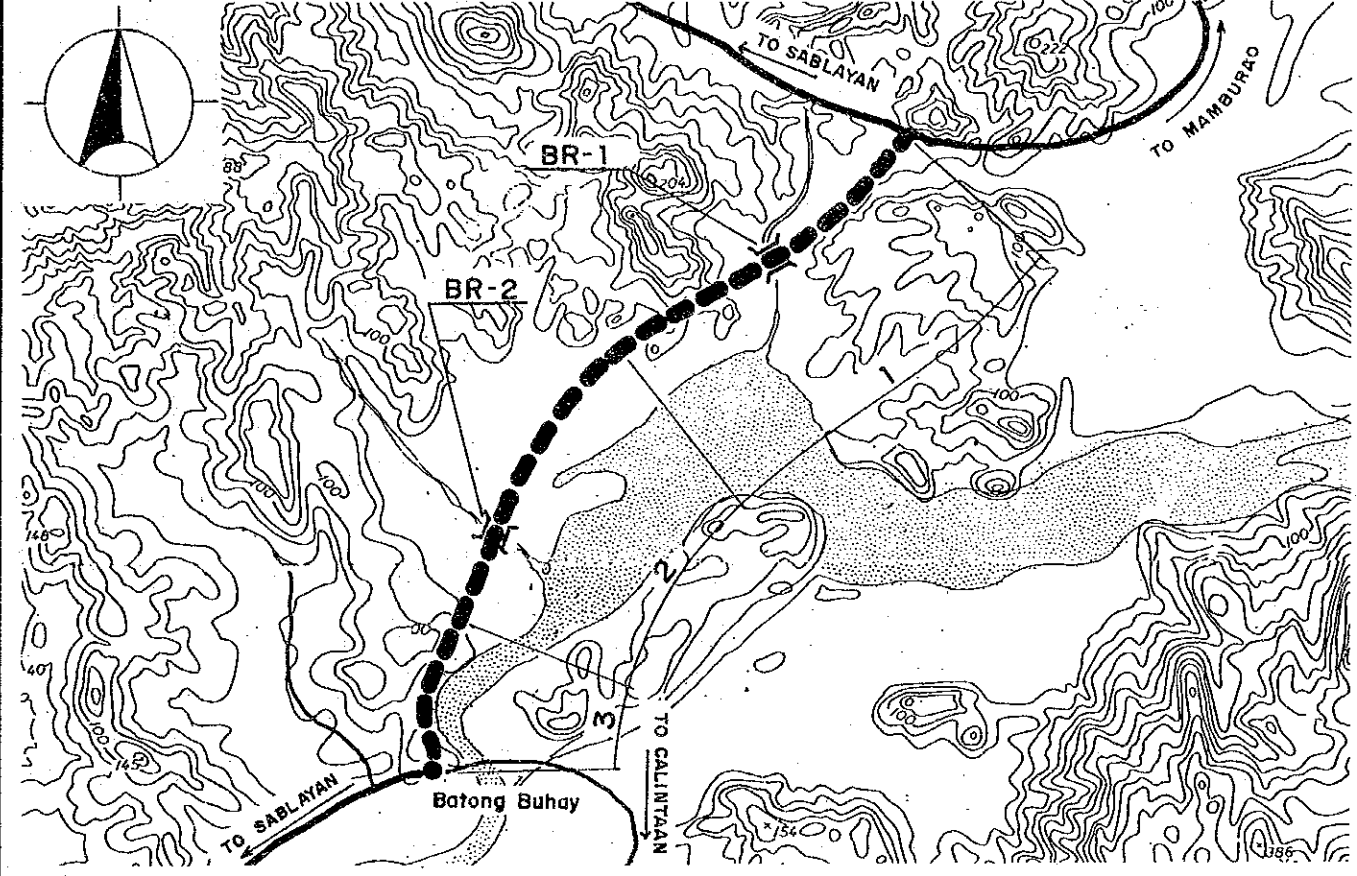
Drawing No.
14

Road No: N7-2 Road Name: SABLAYAN - PENAL COLONY ROAD
Location: SABLAYAN, OCCIDENTAL MINDORO



| | | |
|-----------------------|-----------------------------------|----------------|
| Road Classification | Second'y Major Rd (National Road) | |
| Total Length | 2.7 km | |
| Sub-section No. | 1 | 2 |
| Length (km) | 2.4 | .3 |
| Terrain | Flat | Flat |
| Existing Road Surface | 6.0-GRV (Bad) | 5.5-PCC (Good) |
| Proposed Improvement | Rehabil. | Widening |
| Improvement Type | Gravel | PCC |
| Surface Type | 6.0 | 6.0 |
| Carriageway Width(m) | 1.0 | 2.5 |
| Shoulder Width (m) | | |
| Ref. Typical Section | TYPE 1-6 | TYPE 4-1 |

Road No: N25 Road Name: PRISON GATE - JCT. PENAL COLONY
Location: SABLAYAN, OCCIDENTAL MINDORO



| | | | |
|-----------------------|-----------------------------|---------------|---------------|
| Road Classification | Second'y Major(National Rd) | | |
| Total Length | 6.0 km | | |
| Sub-section No. | 1 | 2 | 3 |
| Length (km) | 2.5 | 2.2 | 1.3 |
| Terrain | Rolling | Flat | Rolling |
| Existing Road Surface | Non Ex-isting | Non Ex-isting | Non Ex-isting |
| Proposed Improvement | New Con. | New Con. | New Con. |
| Improvement Type | Gravel | Gravel | Gravel |
| Surface Type | 6.0 | 6.0 | 6.0 |
| Carriageway Width(m) | .5 | 1.0 | .5 |
| Shoulder Width (m) | | | |
| Ref. Typical Section | TYPE 5-4 | TYPE 5-4 | TYPE 5-4 |
| Bridge No. | BR-1 | BR-2 | |
| Existing Type | Ford-Cr. | Ford-Cr. | |
| Length (m) | - | - | |
| Proposed Type | 2Lane-Br | 2Lane-Br | |
| Length (m) | 20 | 15 | |
| No. of Spans | 1 | 1 | |

**THE FEASIBILITY STUDY ON THE RURAL ROAD NETWORK DEVELOPMENT PROJECT
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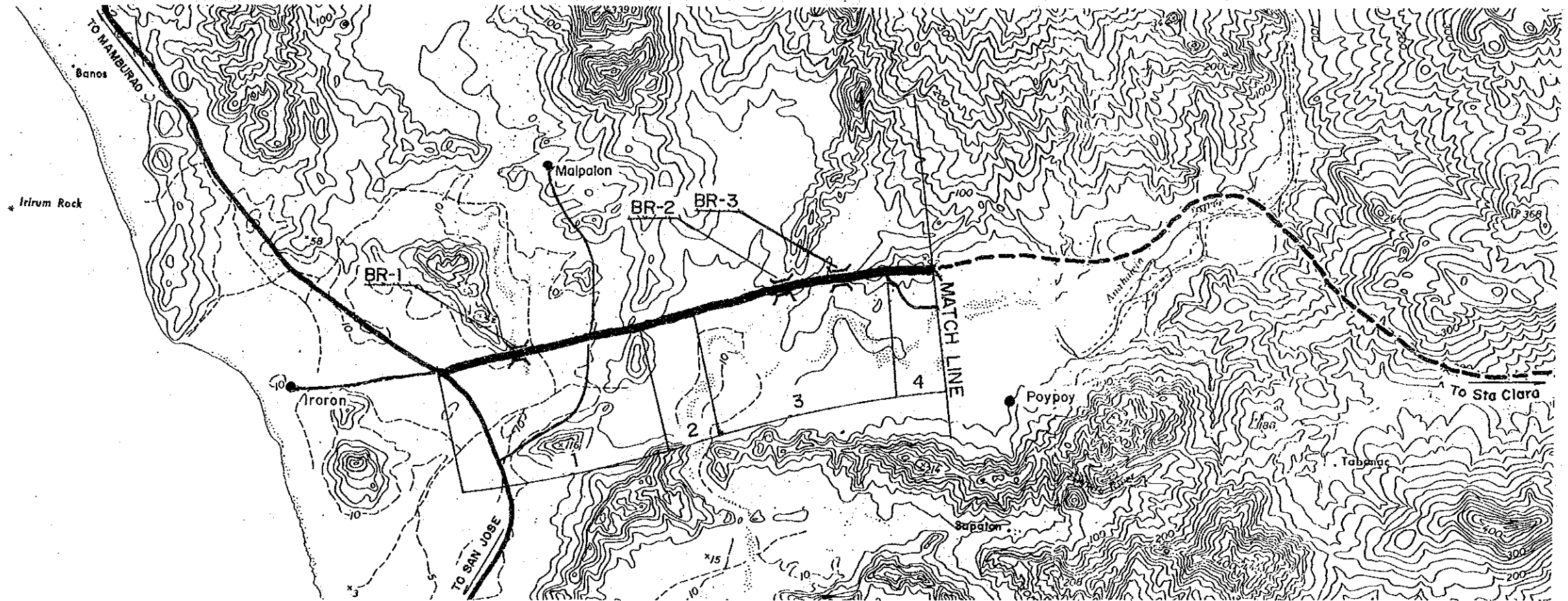
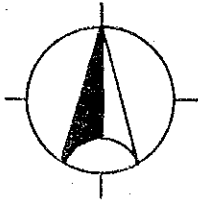
PRESENT CONDITION AND PROPOSED IMPROVEMENT

Scale
1:50,000

Drawing No.
15

Road No. N26-1

Road Name: JNR CALINTAAN - SAN JOSE ROAD
Location: CALINTAAN & RIZAL, OCCIDENTAL MINDORO



| | | | | |
|-----------------------|---|------------------|------------------|------------------|
| Road Classification | Secondary Major Road (National Road) | | | |
| Total Length | 23.6 km | | | |
| Sub-section No. | 1 | 2 | 3 | 4 |
| Length (km) | 1.9 | .5 | 1.9 | .3 |
| Terrain | Flat | Rolling | Flat | Rolling |
| Existing Road Surface | 6.0-GRV (Bad) | 4.5-GRV (Bad) | 4.5-GRV (Bad) | 3.2-GRV (Bad) |
| Proposed Improvement | Rehabil. | Rehabil. | Rehabil. | Rehabil. |
| Improvement Type | Gravel | Gravel | Gravel | Gravel |
| Surface Type | Gravel | Gravel | Gravel | Gravel |
| Carriageway Width(m) | 6.0 | 6.0 | 6.0 | 6.0 |
| Shoulder Width (m) | .0 | 1.0 | .0 | 1.0 |
| Ref. Typical Section | TYPE 1-6 | TYPE 1-6 | TYPE 1-6 | TYPE 1-6 |
| Bridge No. | BR-1 | BR-2 | BR-3 | |
| Existing Type | Ford-Cr. | Ford-Cr. | Ford-Cr. | |
| Length (m) | - | - | - | |
| Proposed Type | 2Lane-Sp | 2Lane-Sp | 2Lane-Sp | |
| Length (m) | 25 | 30 | 20 | |
| No. of Spans | - | - | - | |

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

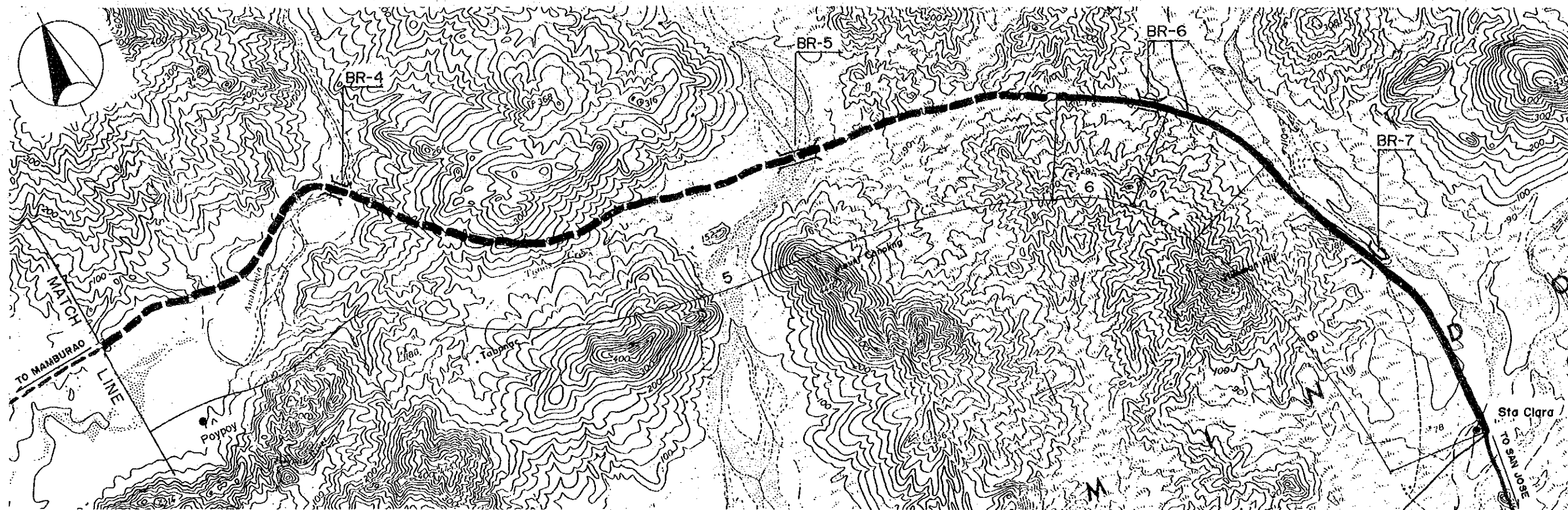
PRESENT CONDITION AND PROPOSED IMPROVEMENT

Scale
1:50,000

Drawing No.
16

Road No. N26-1

Road Name: JNR CALINTAAN - SAN JOSE ROAD
Location: CALINTAAN & RIZAL, OCCIDENTAL MINDORO



| | | | | |
|-----------------------|---|---------------|-----------------|----------------|
| Road Classification | Secondary Major Road (National Road) | | | |
| Total Length | 23.6 km | | | |
| Sub-section No. | 5 | 6 | 7 | 8 |
| Length (km) | 12.3 | 1.3 | 1.3 | 4.1 |
| Terrain | Rolling | Flat | Flat | Flat |
| Existing Road Surface | Non Existing | 5.0-EAR (Bad) | 5.5-EAR (V.Bad) | 6.0-GRV (Fair) |
| Proposed Improvement | New Con. | Impr.-1 | Impr.-1 | Rehabil. |
| Improvement Type | New Con. | Impr.-1 | Impr.-1 | Rehabil. |
| Surface Type | Gravel | Gravel | Gravel | Gravel |
| Carriageway Width(m) | 6.0 | 6.0 | 6.0 | 6.0 |
| Shoulder Width (m) | 1.0 | .0 | .0 | .0 |
| Ref. Typical Section | TYPE 5-4 | TYPE 2-8 | TYPE 2-8 | TYPE 1-6 |
| Special Treatment | | | | |
| Flood Section Length | - | - | - | 300 |
| Height | - | - | - | .5 |
| Bridge No. | BR-4 | BR-5 | BR-6 | BR-7 |
| Existing Type | Ford-Cr. | Ford-Cr. | Ford-Cr. | Ford-Cr. |
| Length (m) | - | - | - | - |
| Proposed Type | 2Lane-Sp | 2Lane-Sp | 2Lane-Sp | 2Lane-Sp |
| Length (m) | 100 | 300 | 15 | 30 |
| No. of Spans | - | - | - | - |

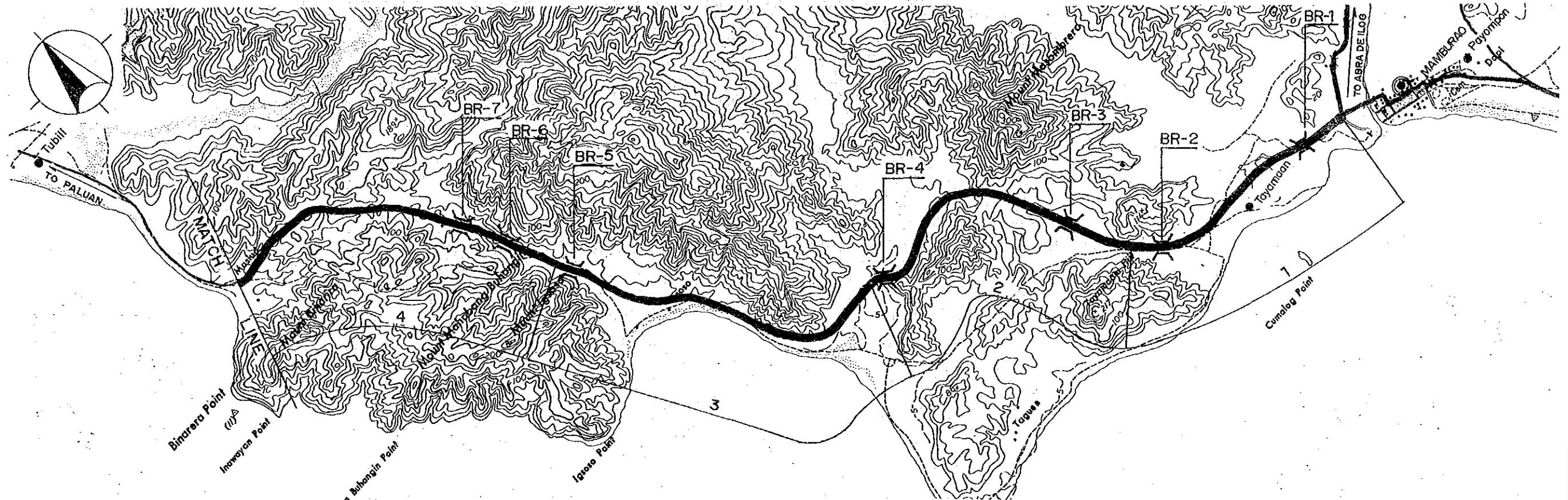
**THE FEASIBILITY STUDY ON THE RURAL ROAD NETWORK DEVELOPMENT PROJECT
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PRESENT CONDITION AND PROPOSED IMPROVEMENT

Scale
1:50,000

Drawing No.
17

Road No. P3 Road Name: MAMBURAO - PALUAN ROAD
Location : MAMBURAO & PALUAN, OCCIDENTAL MINDORO



| | | | | | | | |
|-----------------------|--|-------------------|-------------------|-------------------|----------|----------|-------|
| Road Classification | Secondary Major Road (Provincial Road) | | | | | | |
| Total Length | 31.1 km | | | | | | |
| Sub-section No. | 1 | 2 | 3 | 4 | | | |
| Length (km) | 3.2 | 3.9 | 4.4 | 4.8 | | | |
| Terrain | Flat | Rolling | Flat | Mt'nous | | | |
| Existing Road Surface | 6.0-GRV (Fair) | 5.0-GRV (Fair) | 5.2-GRV (Fair) | 5.2-GRV (Fair) | | | |
| Proposed Improvement | | | | | | | |
| Improvement Type | - | - | - | - | | | |
| Surface Type | - | - | - | - | | | |
| Carriageway Width(m) | - | - | - | - | | | |
| Shoulder Width (m) | - | - | - | - | | | |
| Ref. Typical Section | - | - | - | - | | | |
| Bridge No. | BR-1 | BR-2 | BR-3 | BR-4 | BR-5 | BR-6 | BR-7 |
| Existing Type | Concrete | Concrete | Concrete | Concrete | Timber | Timber | Steel |
| Length (m) | 53 | 15 | 11 | 105 | 7 | 7 | 28 |
| Proposed Type | - | - | - | - | 2cell-BC | 2cell-BC | - |
| Length (m) | - | - | - | - | 7 | 7 | - |
| No. of Spans | - | - | - | - | 2 | 2 | - |

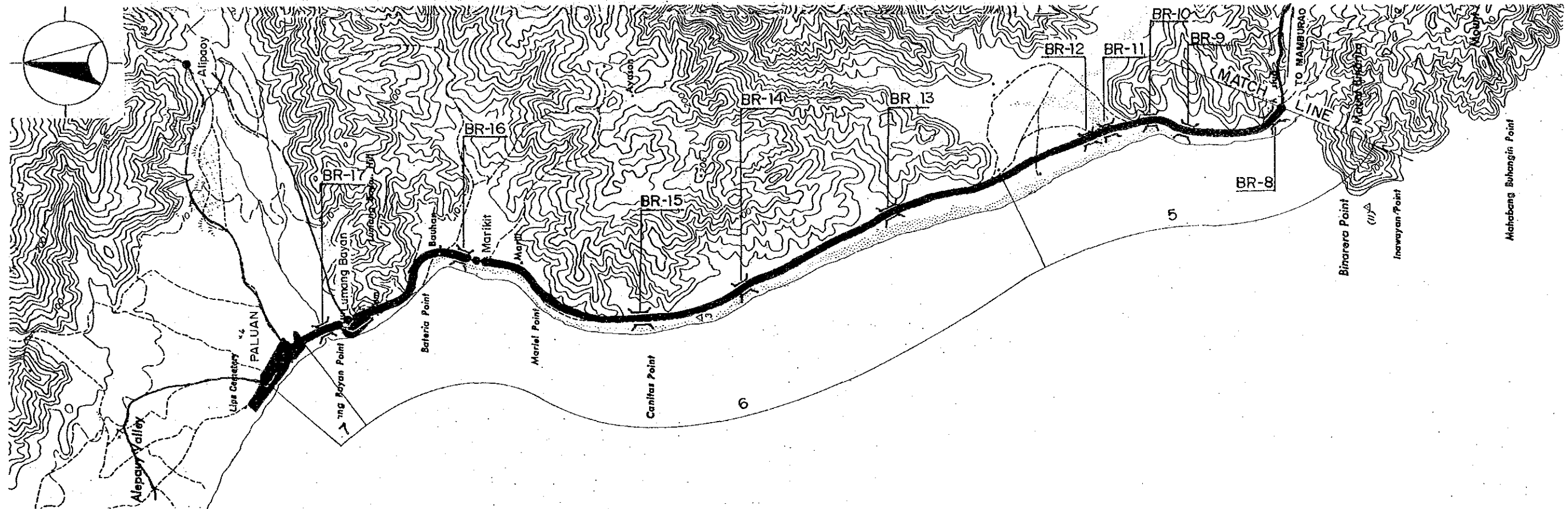
**THE FEASIBILITY STUDY ON THE RURAL ROAD NETWORK DEVELOPMENT PROJECT
IN THE REPUBLIC OF THE PHILIPPINES**

PRESENT CONDITION AND PROPOSED IMPROVEMENT

Scale
1:50,000

Drawing No.
18

Road No. P3 Road Name: MAMBURAO - PALUAN ROAD
Location : MAMBURAO & PALUAN, OCCIDENTAL MINDORO



| | | | | | | | | | | | |
|-----------------------|------------------------------|-------------------|-------------------|----------|----------|--------|----------|----------|----------|----------|--|
| Road Classification | Minor Road (Provincial Road) | | | | | | | | | | |
| Total Length | 31.1 km | | | | | | | | | | |
| Sub-section No. | 5 | 6 | 7 | | | | | | | | |
| Length (km) | 3.8 | 10.5 | .5 | | | | | | | | |
| Terrain | Flat | Flat | Flat | | | | | | | | |
| Existing Road Surface | 5.2-GRV (Fair) | 5.2-GRV (Fair) | 6.0-PCC (Fair) | | | | | | | | |
| Proposed Improvement | - | - | - | | | | | | | | |
| Improvement Type | - | - | - | | | | | | | | |
| Surface Type | - | - | - | | | | | | | | |
| Carriageway Width(m) | - | - | - | | | | | | | | |
| Shoulder Width (m) | - | - | - | | | | | | | | |
| Ref. Typical Section | - | - | - | | | | | | | | |
| Bridge No. | BR-8 | BR-9 | BR-10 | BR-11 | BR-12 | BR-13 | BR-14 | BR-15 | BR-16 | BR-17 | |
| Existing Type | Timber | Timber | Concrete | Concrete | Concrete | Timber | Timber | Timber | Timber | Concrete | |
| Length (m) | 13 | 7 | 70 | 30 | 135 | 17 | 13 | 6 | 22 | 59 | |
| Proposed Type | - | 2Lane-Br | 2cell-BC | - | - | - | 1Lane-Br | 2Lane-Br | 2cell-BC | 1Lane-Br | |
| Length (m) | - | 13 | 7 | - | - | - | 18 | 13 | 6 | 22 | |
| No. of Spans | - | 1 | 2 | - | - | - | 1 | 1 | 2 | 1 | |

**THE FEASIBILITY STUDY ON THE RURAL ROAD NETWORK DEVELOPMENT PROJECT
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PRESENT CONDITION AND PROPOSED IMPROVEMENT

Scale

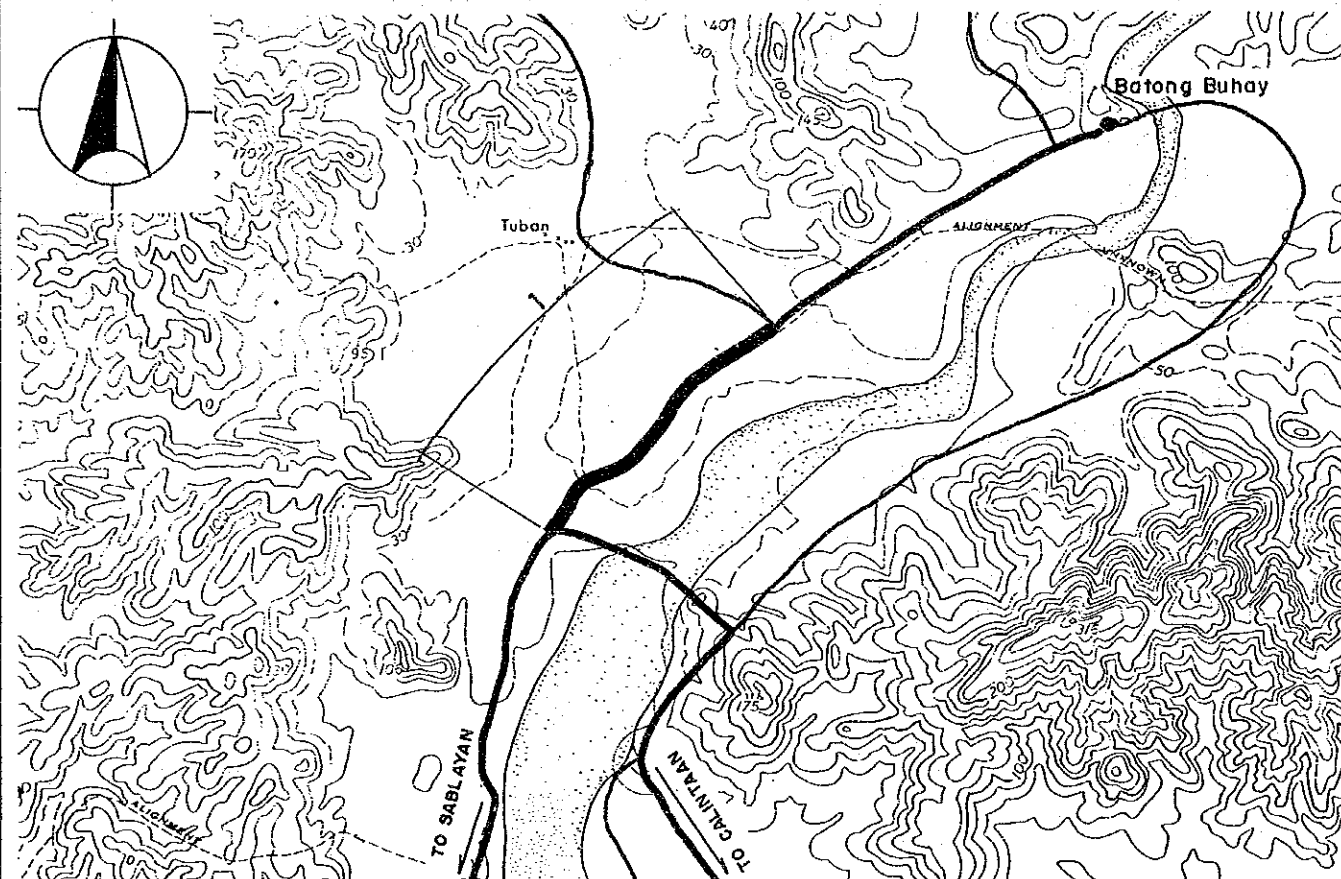
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Drawing No.

19

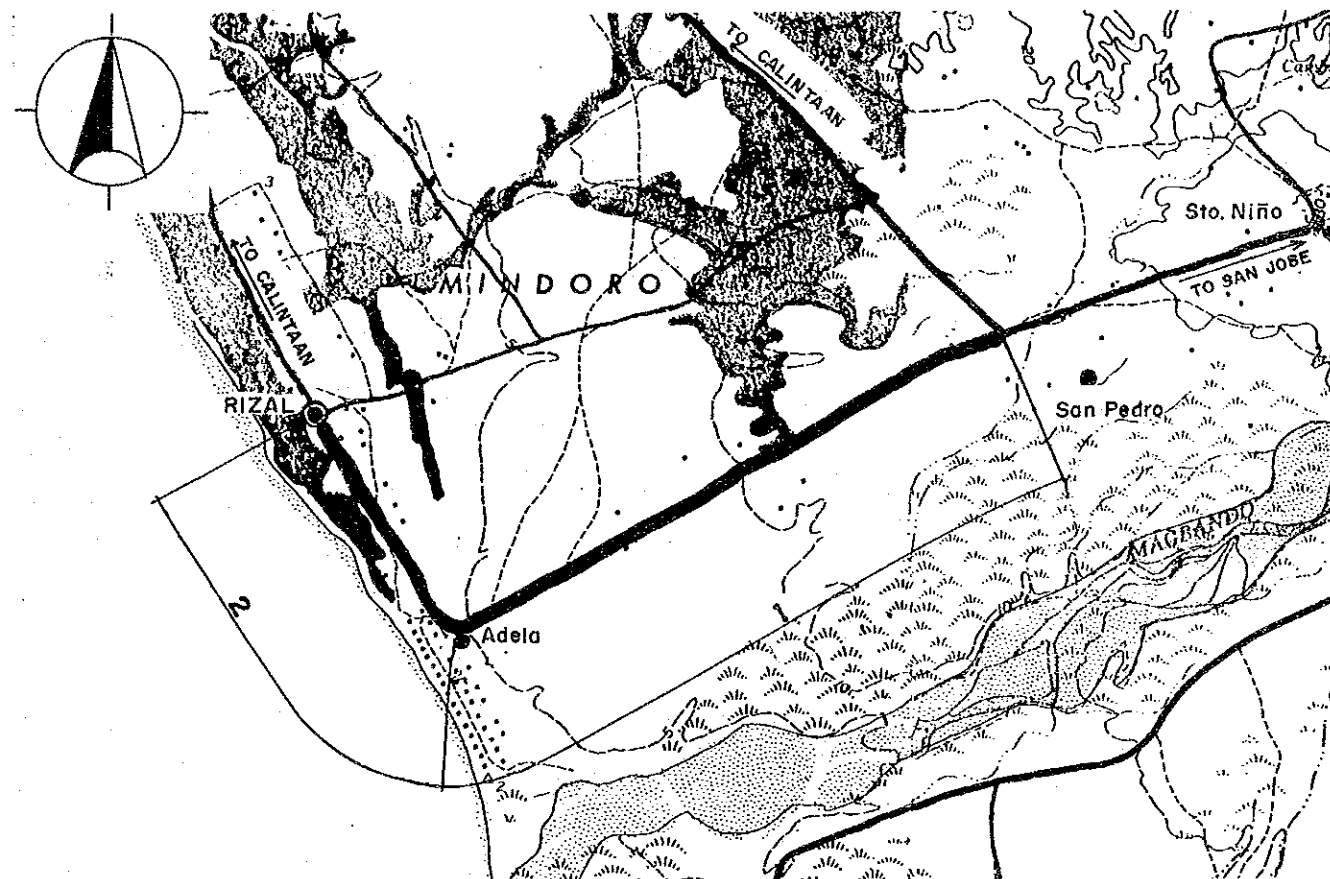
Road No: P26-2

Road Name: STA. LUCIA - PENAL COLONY ROAD
Location: SABLAYAN, OCCIDENTAL MINDORO



Road No: P39

Road Name: SAN PEDRO - RIZAL ROAD
Location: RIZAL, OCCIDENTAL MINDORO



| Road Classification | Second'y Major Rd (Provincial Road) |
|-----------------------|--|
| Total Length | 2.2 km |
| Sub-section No. | 1 |
| Length (km) | 2.2 |
| Terrain | Flat |
| Existing Road Surface | 4.5-GRV (Fair) |
| Proposed Improvement | |
| Improvement Type | Widening |
| Surface Type | Gravel |
| Carriageway Width(m) | 6.0 |
| Shoulder Width (m) | 1.0 |
| Ref. Typical Section | TYPE 4-4 |

| Road Classification | Second'y Major Rd (Provincial Road) | |
|-----------------------|--|-------------------|
| Total Length | 6.1 km | |
| Sub-section No. | 1 | 2 |
| Length (km) | 4.3 | 1.8 |
| Terrain | Flat | Flat |
| Existing Road Surface | 4.5-GRV (Bad) | 6.0-GRV (Fair) |
| Proposed Improvement | | |
| Improvement Type | Rehabil. | - |
| Surface Type | Gravel | - |
| Carriageway Width(m) | 6.0 | - |
| Shoulder Width (m) | 1.0 | - |
| Ref. Typical Section | TYPE 1-6 | - |
| Special Treatment | | |
| Flood Section Length | 4300 | - |
| Height | .5 | - |

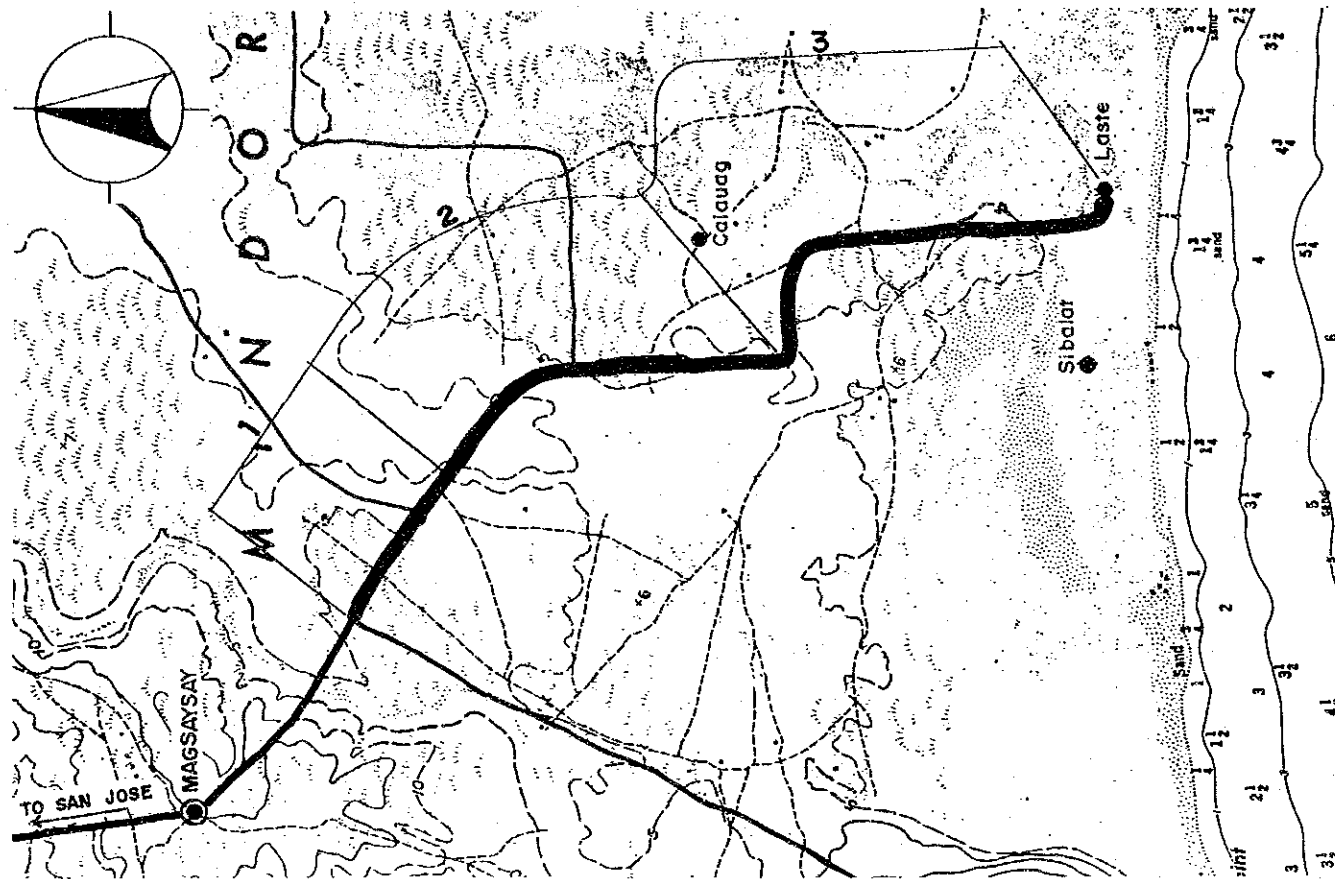
**THE FEASIBILITY STUDY ON THE RURAL ROAD NETWORK DEVELOPMENT PROJECT
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PRESENT CONDITION AND PROPOSED IMPROVEMENT

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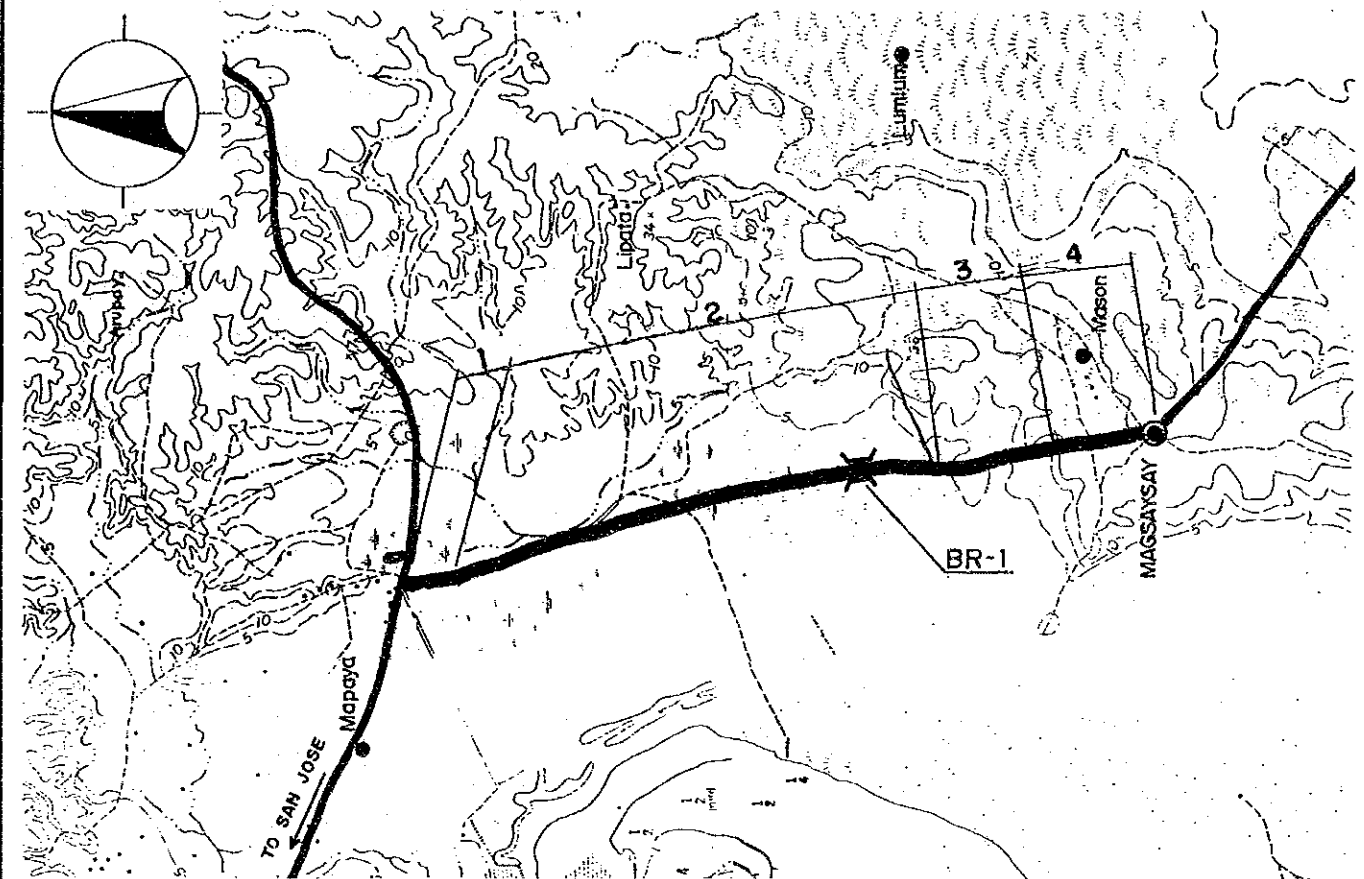
Drawing No.
20

Road No: P52-1 Road Name: MAGSAYSAY - LASTE ROAD
Location: MAGSAYSAY, OCCIDENTAL MINDORO



| Road Classification | Secondary Major (Prov'l Road) | | |
|-----------------------|-------------------------------|-------------------|--------------------|
| Total Length | 7.0 km | | |
| Sub-section No. | 1 | 2 | 3 |
| Length (km) | 1.2 | 2.8 | 3.0 |
| Terrain | Flat | Flat | Flat |
| Existing Road Surface | 5.5-GRV (Fair) | 5.0-GRV (Fair) | 5.0-GRV (V.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 No: P53-1 Road Name: JCT. MAGSAYSAY - STA. TERESA ROAD
Location: MAGSAYSAY, OCCIDENTAL MINDORO



| Road Classification | Secondary Major (Provincial Road) | | | |
|-----------------------|-----------------------------------|-------------------|-------------------|-------------------|
| Total Length | 5.4 km | | | |
| Sub-section No. | 1 | 2 | 3 | 4 |
| Length (km) | .4 | 3.5 | .8 | .7 |
| Terrain | Flat | Flat | Rolling | Rolling |
| Existing Road Surface | 6.0-GRV (Fair) | 6.0-GRV (Fair) | 5.2-GRV (Fair) | 5.2-GRV (Fair) |
| Proposed Improvement | Rehabil. | Rehabil. | Widening | Widening |
| Improvement Type | Gravel | Gravel | Gravel | Gravel |
| Surface Type | 6.0 | 6.0 | 6.0 | 6.0 |
| Carriageway Width(m) | 1.0 | 1.0 | .5 | .5 |
| Shoulder Width (m) | TYPE 1-6 | TYPE 1-6 | TYPE 4-4 | TYPE 4-4 |
| Ref. Typical Section | | | | |
| Bridge No. | BR-1 | | | |
| Existing Type | Concrete | | | |
| Length (m) | 15 | | | |
| Proposed Type | - | | | |
| Length (m) | - | | | |
| No. of Spans | - | | | |

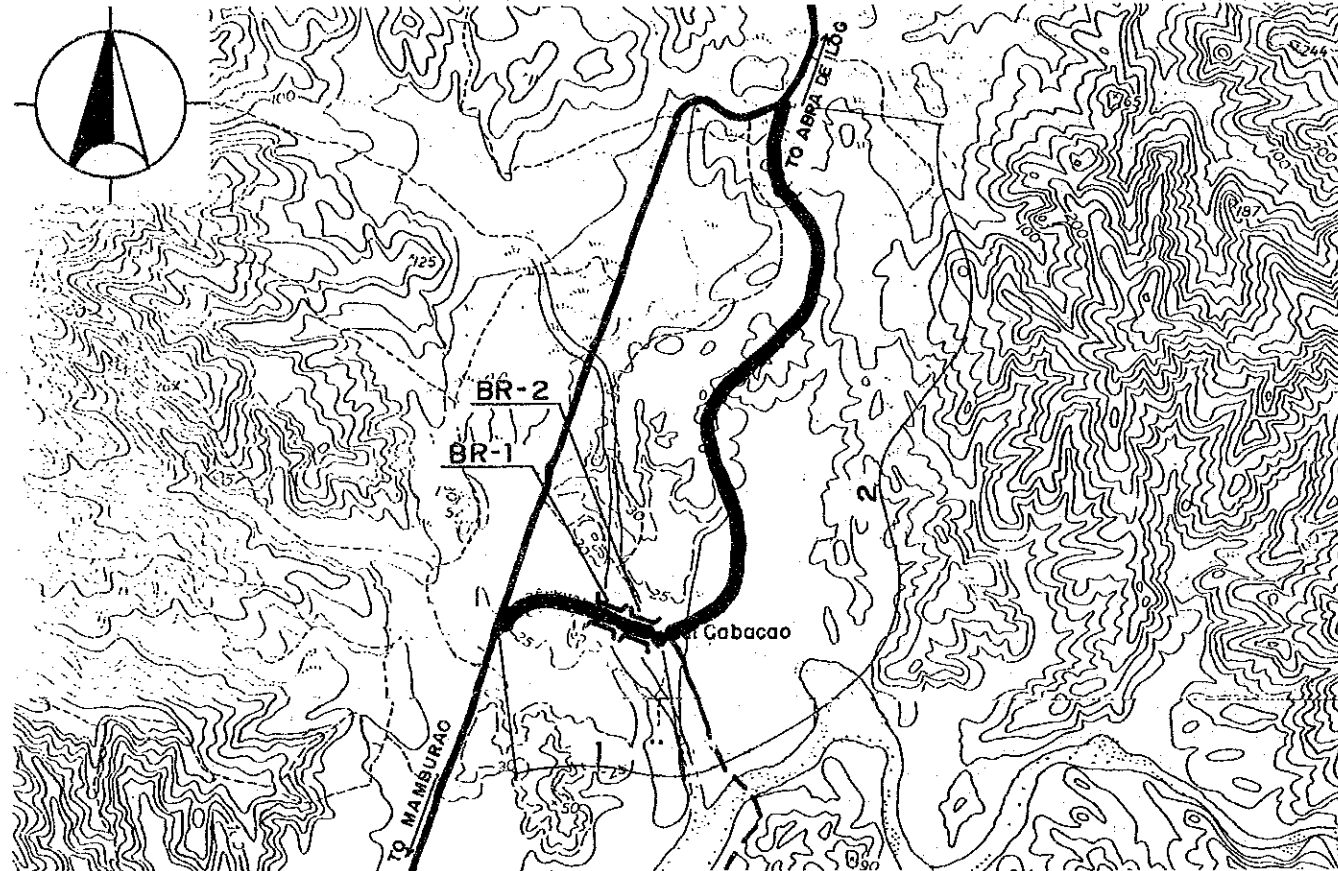
**THE FEASIBILITY STUDY ON THE RURAL ROAD NETWORK DEVELOPMENT PROJECT
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PRESENT CONDITION AND PROPOSED IMPROVEMENT

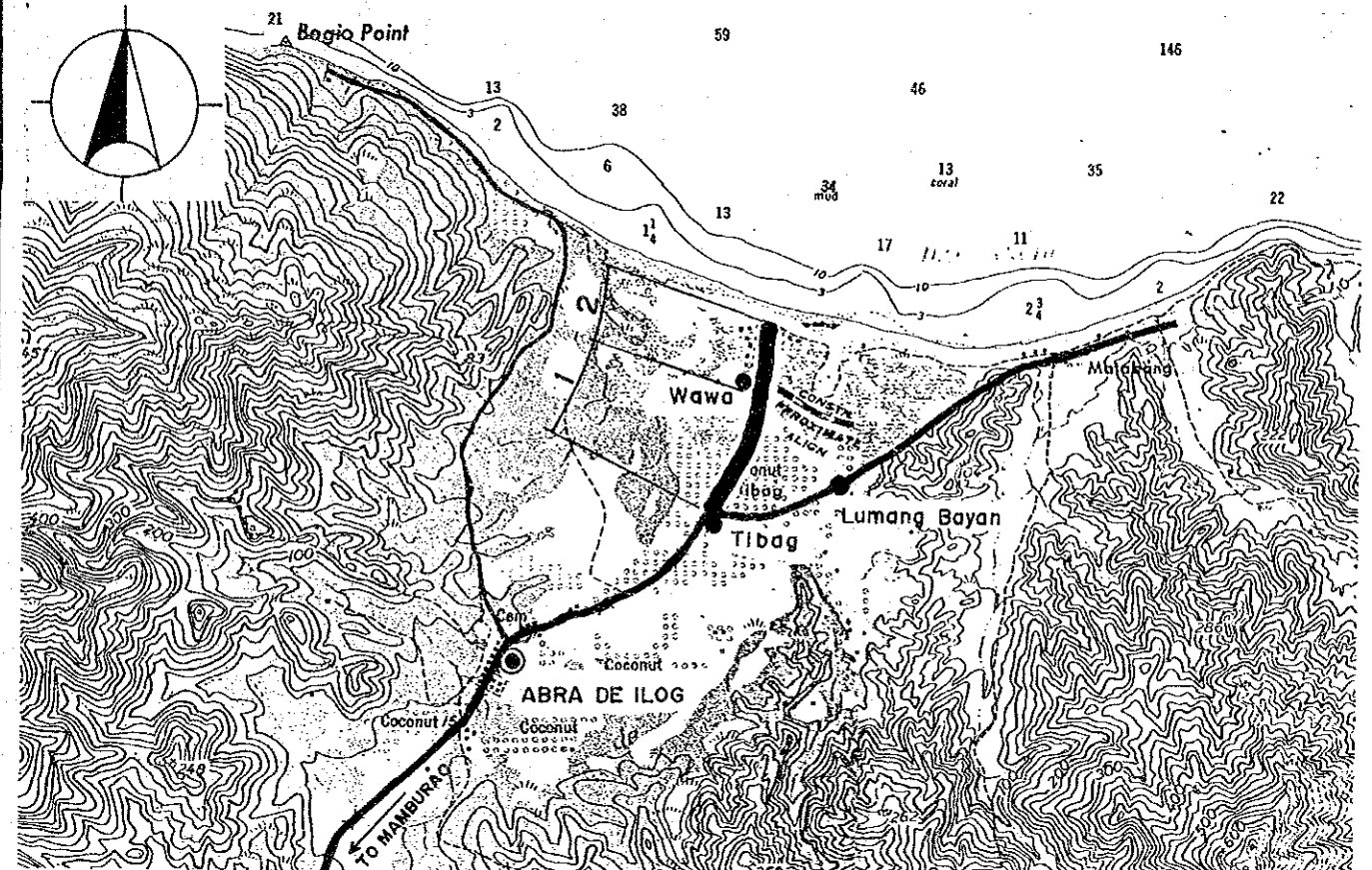
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Drawing No.
21

Road No: N2 Road Name: JCT. MNPG - CABACAO DIV. ROAD
Location: ABRA DE ILOG, OCCIDENTAL MINDORO



Road No: N3 Road Name: JCT. MNPG - WAWA ROAD
Location: ABRA DE ILOG, OCCIDENTAL MINDORO



| Road Classification | Minor Road (National Road) | |
|-----------------------|-------------------------------|-------------------|
| Total Length | 5.5 km | |
| Sub-section No. | 1 | 2 |
| Length (km) | 1.2 | 4.3 |
| Terrain | Flat | Mt'nous |
| Existing Road Surface | 3.2-GRV (Bad) | 5.0-GRV (Fair) |
| Proposed Improvement | Rehabil. | - |
| Improvement Type | Gravel | - |
| Surface Type | 4.0 | - |
| Carriageway Width(m) | 1.0 | - |
| Shoulder Width (m) | TYPE 1-6 | - |
| Ref. Typical Section | - | - |
| Special Treatment | - | - |
| Flood Section Length | 1200 | - |
| Height | 1.2 | - |
| Bridge No. | BR-1 | BR-2 |
| Existing Type | Timber | Bailey |
| Length (m) | 41 | 30 |
| Proposed Type | 1Lane-Br | - |
| Length (m) | 42 | - |
| No. of Spans | 2 | - |

| Road Classification | Minor Road (National Road) | |
|-----------------------|-------------------------------|-------------------|
| Total Length | 1.4 km | |
| Sub-section No. | 1 | 2 |
| Length (km) | .9 | .5 |
| Terrain | Flat | Flat |
| Existing Road Surface | 6.0-GRV (Bad) | 6.1-PCC (Good) |
| Proposed Improvement | Rehabil. | - |
| Improvement Type | Gravel | - |
| Surface Type | 6.0 | - |
| Carriageway Width(m) | 1.0 | - |
| Shoulder Width (m) | TYPE 1-6 | - |
| Ref. Typical Section | - | - |

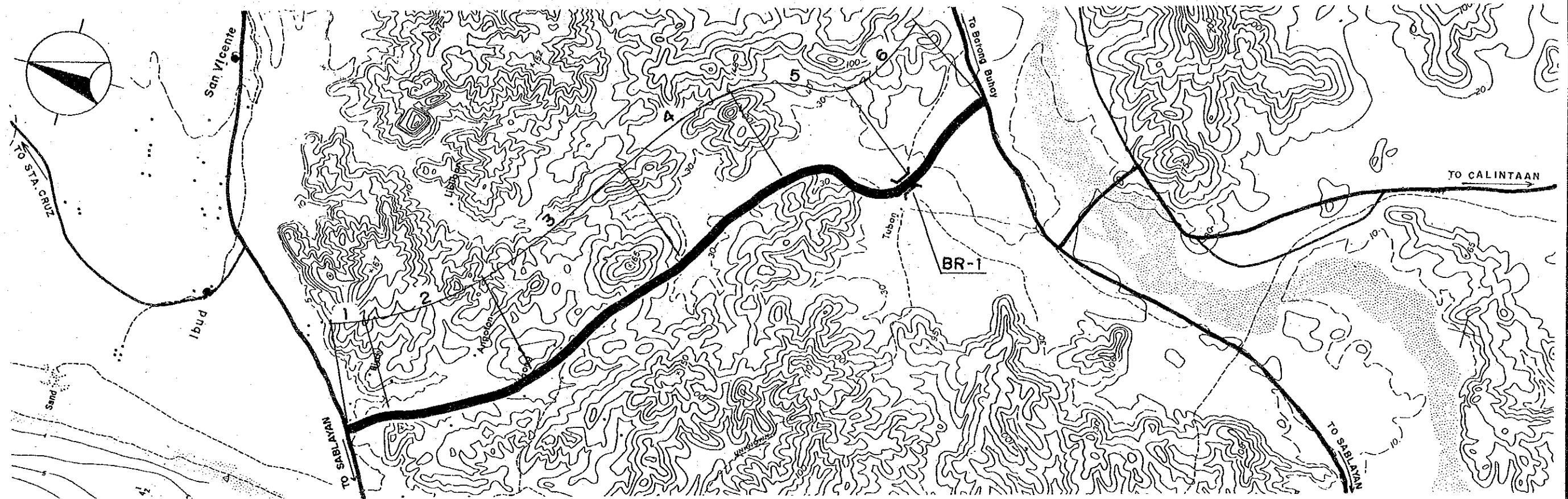
**THE FEASIBILITY STUDY ON THE RURAL ROAD NETWORK DEVELOPMENT PROJECT
IN THE REPUBLIC OF THE PHILIPPINES**

PRESENT CONDITION AND PROPOSED IMPROVEMENT

Scale
1:50,000

Drawing No.
22

Road No: N7-1 Road Name: SABLAYAN - PENAL COLONY ROAD
Location : SABLAYAN, OCCIDENTAL MINDORO



| | | | | | | |
|-----------------------|----------------------------|------------------|--------------------|--------------------|--------------------|--------------------|
| Road Classification | Minor Road (National Road) | | | | | |
| Total Length | 8.7 km | | | | | |
| Sub-section No. | 1 | 2 | 3 | 4 | 5 | 6 |
| Length (km) | .5 | 1.8 | 2.2 | 1.5 | 1.5 | 1.2 |
| Terrain | Rolling | Flat | Mt'nous | Flat | Rolling | Flat |
| Existing Road Surface | 4.5-GRV (Bad) | 4.5-GRV (Bad) | 3.2-GRV (V.Bad) | 3.2-GRV (V.Bad) | 3.2-EAR (V.Bad) | 3.2-EAR (V.Bad) |
| Proposed Improvement | Rehabil. | Rehabil. | Rehabil. | Rehabil. | Impr.-1 | Impr.-1 |
| Improvement Type | Gravel | Gravel | Gravel | Gravel | Gravel | Gravel |
| Surface Type | | | | | | |
| Carriageway Width(m) | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Shoulder Width (m) | .5 | 1.0 | .5 | 1.0 | .5 | 1.0 |
| Ref. Typical Section | TYPE 1-6 | TYPE 1-6 | TYPE 1-6 | TYPE 1-6 | TYPE 2-8 | TYPE 2-8 |
| Bridge No. | BR-1 | | | | | |
| Existing Type | Ford-Cr. | | | | | |
| Length (m) | - | | | | | |
| Proposed Type | 1Lane-Sp | | | | | |
| Length (m) | 30 | | | | | |
| No. of Spans | - | | | | | |

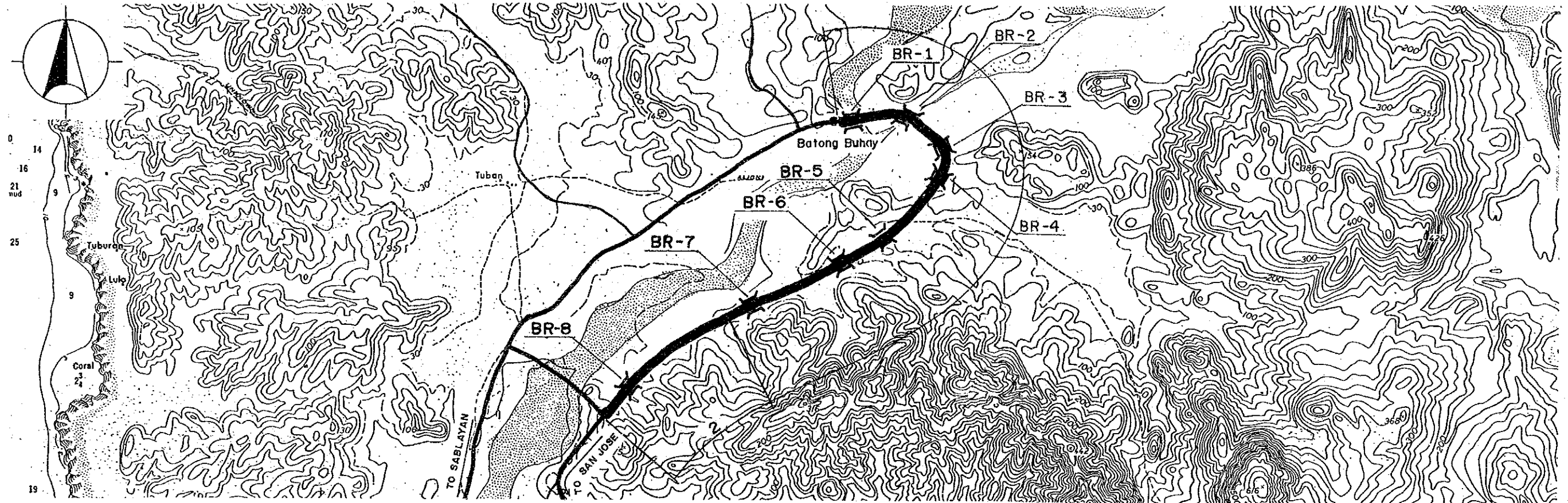
**THE FEASIBILITY STUDY ON THE RURAL ROAD NETWORK DEVELOPMENT PROJECT
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PRESENT CONDITION AND PROPOSED IMPROVEMENT

Scale
1:50,000

Drawing No.
23

Road No: N7-3 Road Name: JNR - PENAL COLONY ROAD
Location: SABLAYAN, OCCIDENTAL MINDORO



| | | | | | | | | |
|-----------------------|----------------------------|----------|------------------|----------|----------|----------|----------|----------|
| Road Classification | Minor Road (National Road) | | | | | | | |
| Total Length | 6.6 km | | | | | | | |
| Sub-section No. | 1 | | 2 | | | | | |
| Length (km) | 4.7 | | 1.9 | | | | | |
| Terrain | Flat | | Flat | | | | | |
| Existing Road Surface | 4.5-GRV (Impass) | | 5.2-GRV (Bad) | | | | | |
| Proposed Improvement | Rehabil. | | Rehabil. | | | | | |
| Improvement Type | Rehabil. | | Rehabil. | | | | | |
| Surface Type | Gravel | | Gravel | | | | | |
| Carriageway Width(m) | 4.0 | | 4.0 | | | | | |
| Shoulder Width (m) | 1.0 | | 1.0 | | | | | |
| Ref. Typical Section | TYPE 1-6 | | TYPE 1-6 | | | | | |
| Bridge No. | BR-1 | BR-2 | BR-3 | BR-4 | BR-5 | BR-6 | BR-7 | BR-8 |
| Existing Type | Ford-Cr. | Ford-Cr. | Ford-Cr. | Ford-Cr. | Timber | Timber | Ford-Cr. | Timber |
| Length (m) | - | - | - | - | 14 | 19 | - | 18 |
| Proposed Type | 1Lane-Sp | 1Lane-Sp | 1Lane-Sp | 1Lane-Sp | 1Lane-Br | 1Lane-Br | 1Lane-Sp | 1Lane-Br |
| Length (m) | 400 | 75 | 20 | 150 | 15 | 20 | 200 | 20 |
| No. of Spans | - | - | - | - | 1 | 1 | - | 1 |

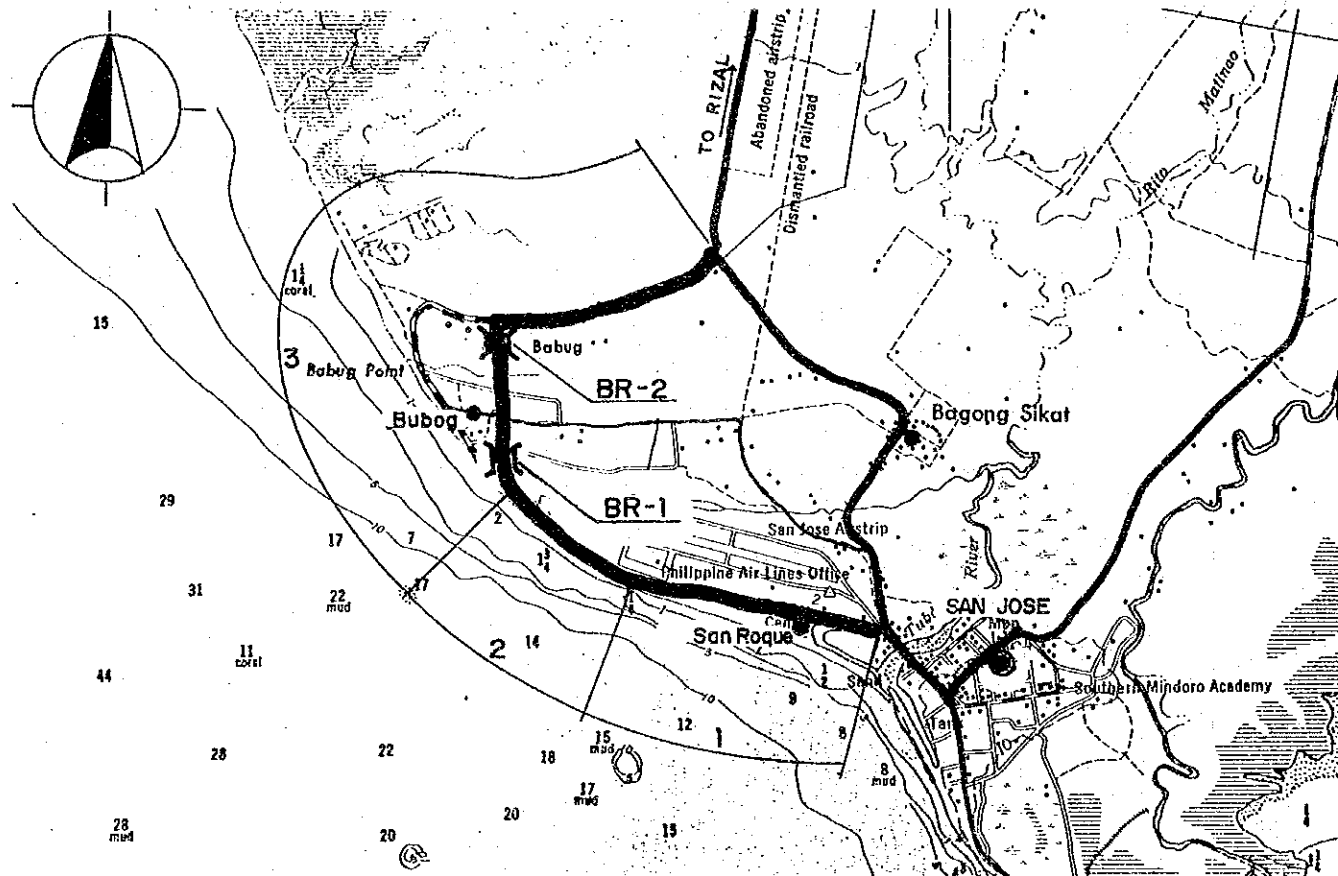
**THE FEASIBILITY STUDY ON THE RURAL ROAD NETWORK DEVELOPMENT PROJECT
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PRESENT CONDITION AND PROPOSED IMPROVEMENT

Scale
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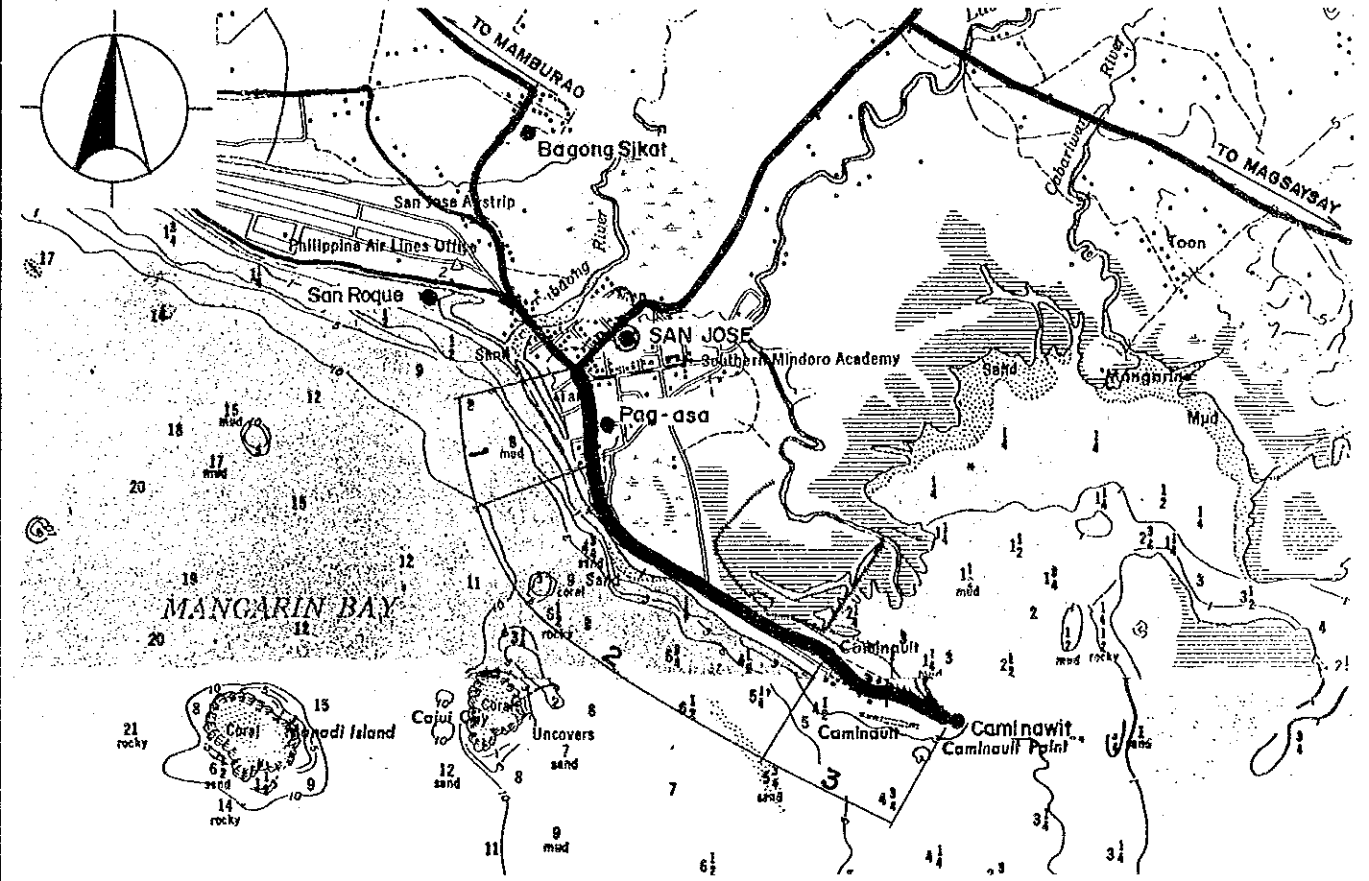
Drawing No.
24

Road No: N8-2 Road Name: JCT.MSBR - SAN JOSE COAST ROAD
Location: SAN JOSE, OCCIDENTAL MINDORO



| Road Classification | Minor Road (National Road) | | |
|-----------------------|----------------------------|------------------|------------------|
| Total Length | 5.8 km | | |
| Sub-section No. | 1 | 2 | 3 |
| Length (km) | 1.8 | 1.1 | 2.9 |
| Terrain | Flat | Flat | Flat |
| Existing Road Surface | 6.1-PCC (Good) | 4.5-GRV (Bad) | 4.5-GRV (Bad) |
| Proposed Improvement | - Rehabil. Rehabil. | | |
| Improvement Type | - Gravel Gravel | | |
| Surface Type | - 6.0 6.0 | | |
| Carriageway Width(m) | - 1.0 1.0 | | |
| Shoulder Width (m) | - TYPE 1-6 TYPE 1-6 | | |
| Ref. Typical Section | - | | |
| Bridge No. | BR-1 | BR-2 | |
| Existing Type | Bailey | Bailey | |
| Length (m) | 30 | 15 | |
| Proposed Type | - | - | |
| Length (m) | - | - | |
| No. of Spans | - | - | |

Road No: N9 Road Name: SAN JOSE - CAMINAWIT PORT ROAD
Location: SAN JOSE, OCCIDENTAL MINDORO



| Road Classification | Minor Road (National Road) | | |
|-----------------------|----------------------------|-------------------|--------------------|
| Total Length | 4.0 km | | |
| Sub-section No. | 1 | 2 | 3 |
| Length (km) | .7 | 2.3 | 1.0 |
| Terrain | Flat | Flat | Flat |
| Existing Road Surface | 8.0-PCC (Good) | 6.8-PCC (Good) | 6.5-BTM (V.Bad) |
| Proposed Improvement | - Rehabil. | | |
| Improvement Type | - * BMP | | |
| Surface Type | - 6.0 | | |
| Carriageway Width(m) | - 1.5 | | |
| Shoulder Width (m) | - TYPE 1-6 | | |
| Ref. Typical Section | - | | |

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

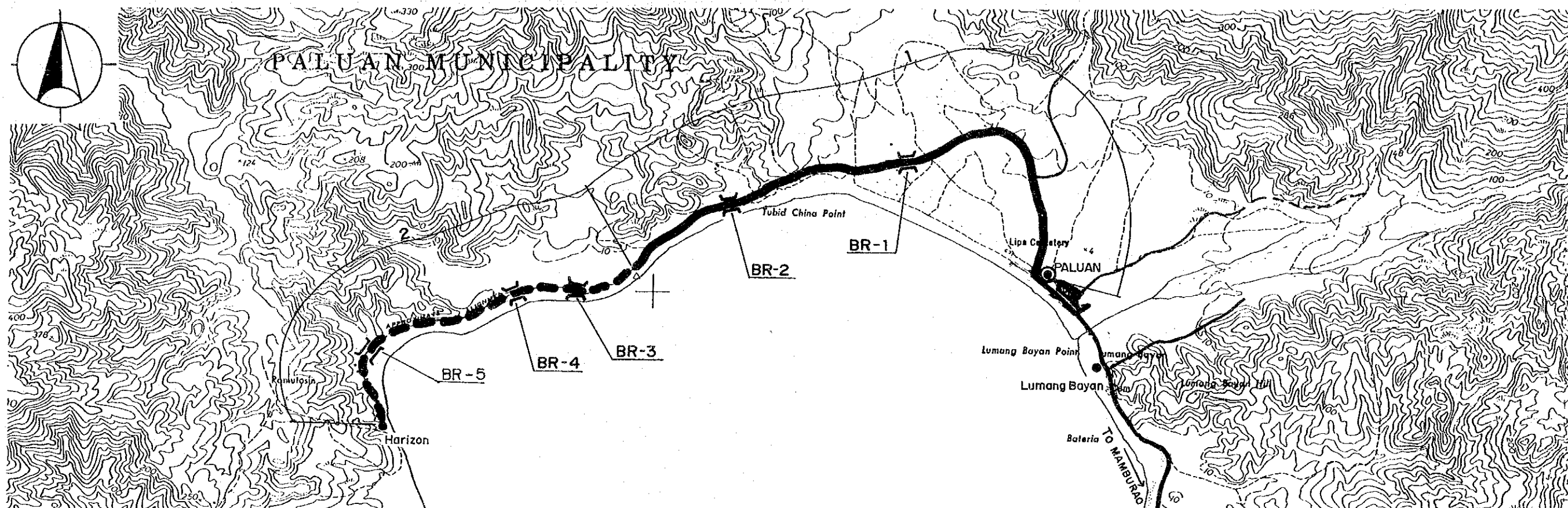
**THE FEASIBILITY STUDY ON THE RURAL ROAD NETWORK DEVELOPMENT PROJECT
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PRESENT CONDITION AND PROPOSED IMPROVEMENT

Scale
1: 50,000

Drawing No.
25

Road No: P1 Road Name: PALUAN - PAMUTUSIN ROAD
Location : PALUAN, OCCIDENTAL MINDORO



| | | | | | |
|-----------------------|------------------------------|---------------------|----------|----------|----------|
| Road Classification | Minor Road (Provincial Road) | | | | |
| Total Length | 13.0 km | | | | |
| Sub-section No. | 1 | 2 | | | |
| Length (km) | 6.9 | 6.1 | | | |
| Terrain | Flat | Rolling | | | |
| Existing Road Surface | 4.5-GRV (Fair) | 4.5-EAR (Impass) | | | |
| Proposed Improvement | Widening | Impr.-1 | | | |
| Improvement Type | Gravel | Gravel | | | |
| Surface Type | | | | | |
| Carriageway Width(m) | 6.0 | 6.0 | | | |
| Shoulder Width (m) | 1.0 | .5 | | | |
| Ref. Typical Section | TYPE 4-4 | TYPE 2-8 | | | |
| Bridge No. | BR-1 | BR-2 | BR-3 | BR-4 | BR-5 |
| Existing Type | Ford-Cr. | Ford-Cr. | Ford-Cr. | Ford-Cr. | Ford-Cr. |
| Length (m) | - | - | - | - | - |
| Proposed Type | 2Lane-Sp | 2Lane-Sp | 2Lane-Sp | 2Lane-Sp | 2Lane-Sp |
| Length (m) | 50 | 100 | 50 | 50 | 50 |
| No. of Spans | - | - | - | - | - |

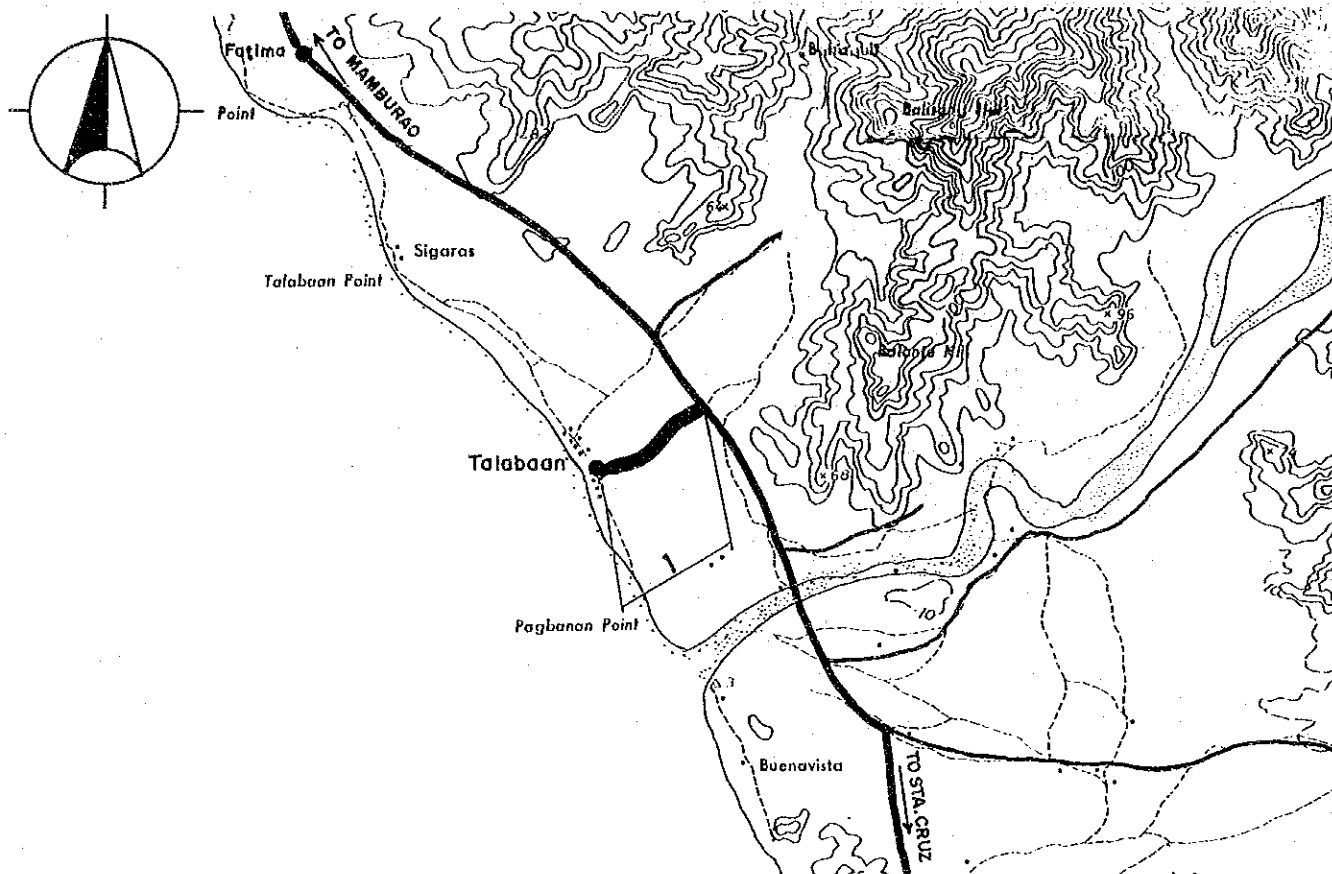
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Scale
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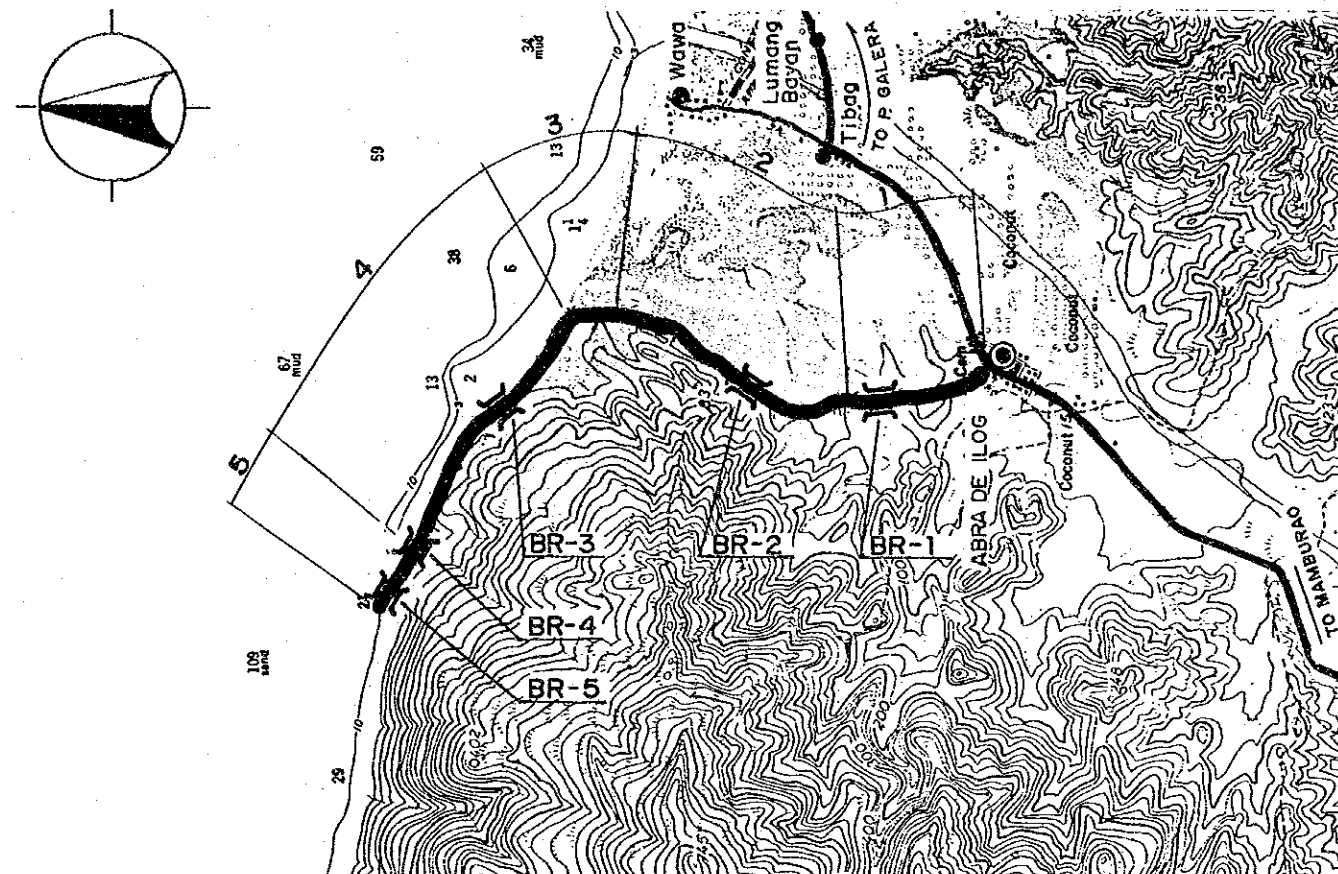
Drawing No.
26

Road No: P11 Road Name: JCT. NATIONAL ROAD - TALABAAN
Location: MAMBURAO, OCCIDENTAL MINDORO



| | |
|-----------------------|------------------------------|
| Road Classification | Minor Road (Provincial Road) |
| Total Length | .9 km |
| Sub-section No. | 1 |
| Length (km) | .9 |
| Terrain | Flat |
| Existing Road Surface | 4.5-GRV (Fair) |
| Proposed Improvement | Widening |
| Improvement Type | Gravel |
| Surface Type | Gravel |
| Carriageway Width(m) | 6.0 |
| Shoulder Width (m) | 1.0 |
| Ref. Typical Section | TYPE 4-4 |
| Special Treatment | |
| Flood Section Length | 500 |
| Height | .5 |

Road No: P12 Road Name: JCT.MNPG - CABIGNAYAN ROAD
Location: ABRA DE ILOG, OCCIDENTAL MINDORO



| | | | | | |
|-----------------------|------------------------------|-----------------|----------------|-----------------|------------------|
| Road Classification | Minor Road (Provincial Road) | | | | |
| Total Length | 5.7 km | | | | |
| Sub-section No. | 1 | 2 | 3 | 4 | 5 |
| Length (km) | 1.0 | 1.8 | .3 | 2.1 | .5 |
| Terrain | Rolling | Rolling | Flat | Flat | Flat |
| Existing Road Surface | 3.6-GRV (Bad) | 4.0-GRV (V.Bad) | 4.0-PCC (Fair) | 3.6-GRV (V.Bad) | 3.6-GRV (Impass) |
| Proposed Improvement | Rehabil. | Rehabil. | - | Rehabil. | Rehabil. |
| Improvement Type | Gravel | Gravel | - | Gravel | Gravel |
| Surface Type | 4.0 | 4.0 | - | 4.0 | 4.0 |
| Carriageway Width(m) | .5 | .5 | - | 1.0 | 1.0 |
| Shoulder Width (m) | TYPE 1-6 | TYPE 1-6 | - | TYPE 1-6 | TYPE 1-6 |
| Ref. Typical Section | BR-1 | BR-2 | BR-3 | BR-4 | BR-5 |
| Bridge No. | BR-1 | BR-2 | BR-3 | BR-4 | BR-5 |
| Existing Type | Timber | Timber | Timber | Ford-Cr. | Timber |
| Length (m) | 30 | 8 | 6 | - | 18 |
| Proposed Type | 1Lane-Br | 1Lane-Br | 1Lane-Br | 1Lane-Sp | 1Lane-Br |
| Length (m) | 30 | 8 | 10 | 18 | 20 |
| No. of Spans | 2 | 1 | 1 | - | 1 |

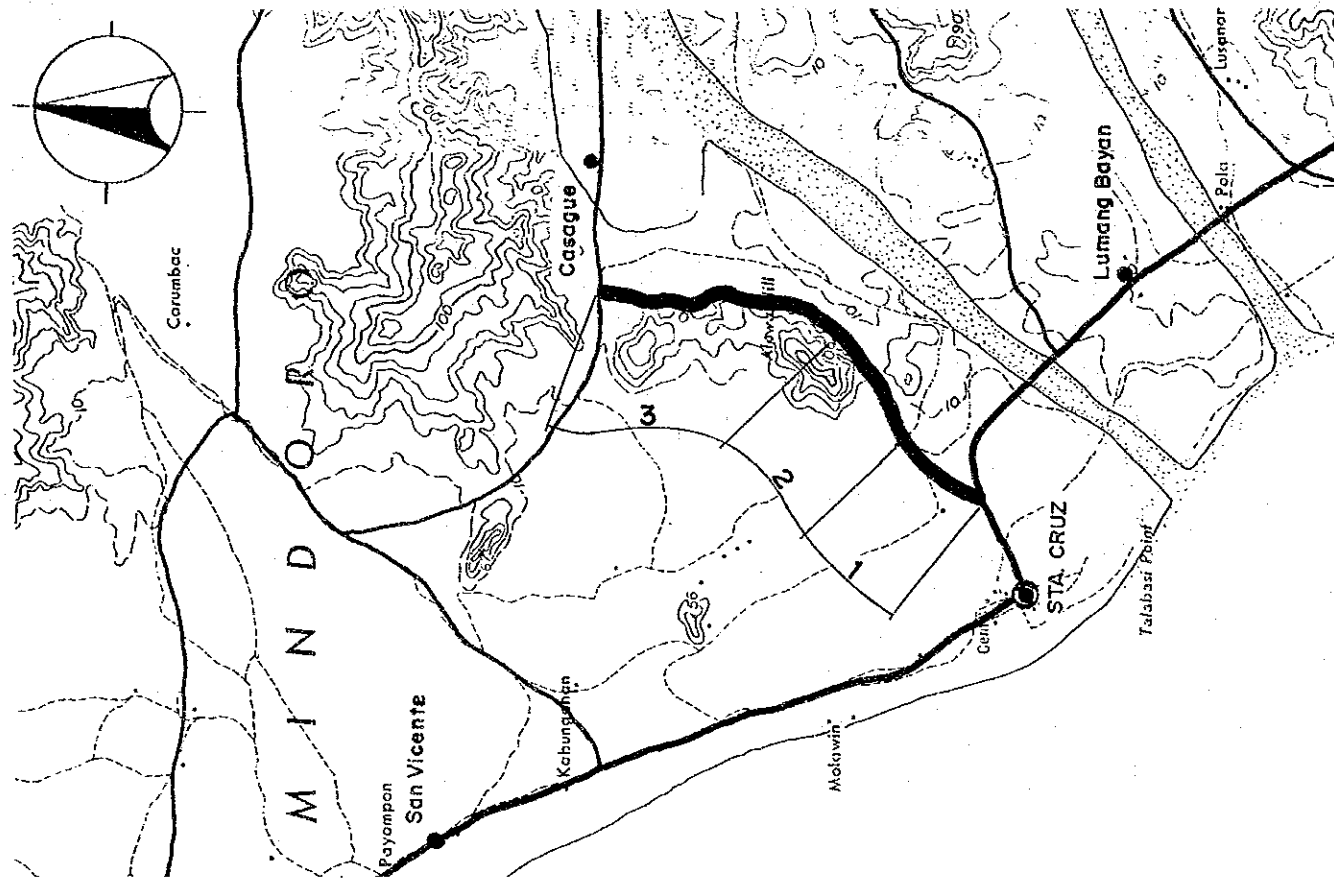
**THE FEASIBILITY STUDY ON THE RURAL ROAD NETWORK DEVELOPMENT PROJECT
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PRESENT CONDITION AND PROPOSED IMPROVEMENT

Scale
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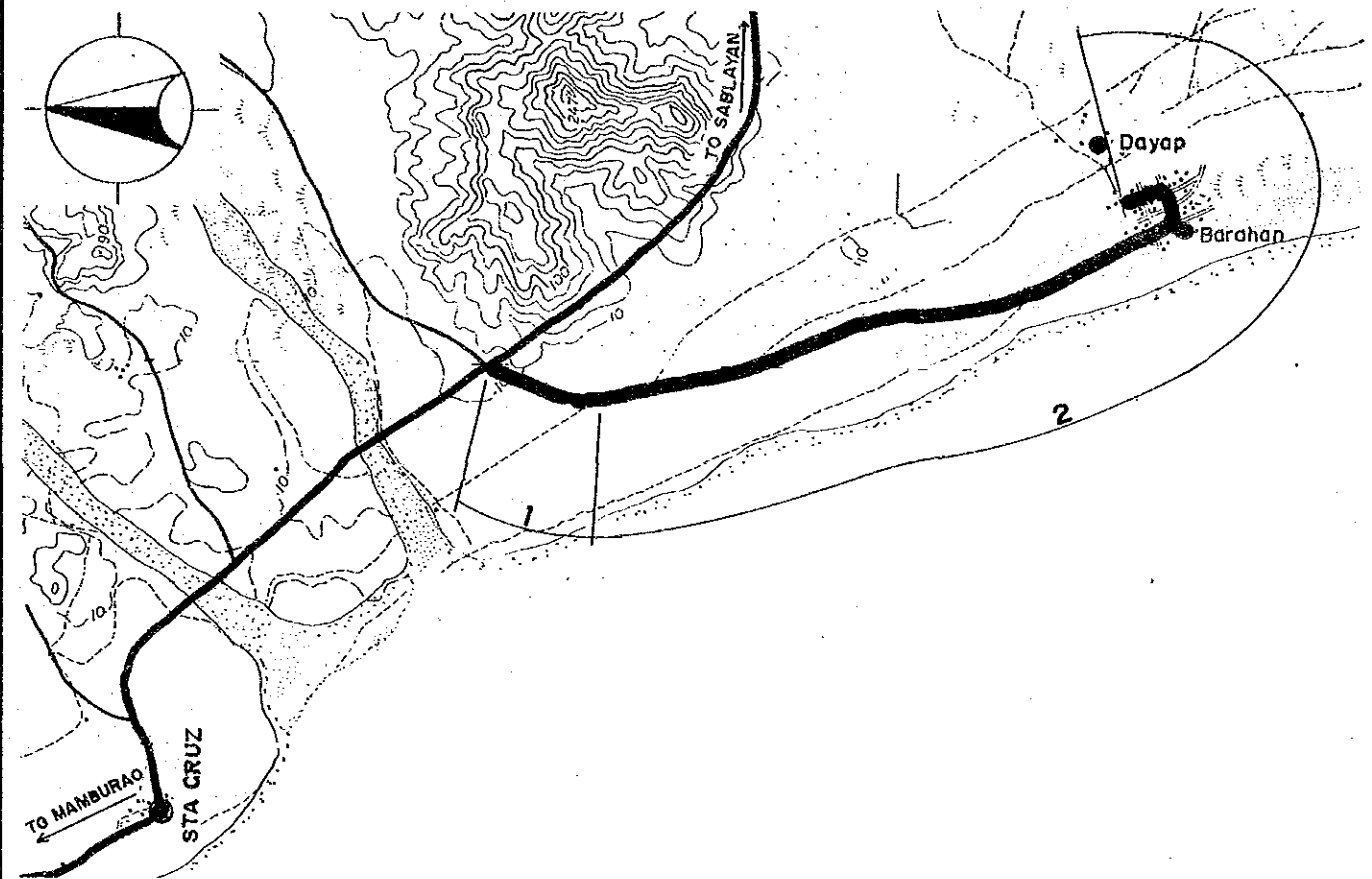
Drawing No.
27

Road No: P19 Road Name: STA. CRUZ - CASAGUE ROAD
Location : STA. CRUZ, OCCIDENTAL MINDORO



| Road Classification | Minor Road (Provincial Road) | | |
|-----------------------|------------------------------|------------------|-------------------|
| Total Length | 3.6 km | | |
| Sub-section No. | 1 | 2 | 3 |
| Length (km) | .7 | .8 | 2.1 |
| Terrain | Flat | Rolling | Rolling |
| Existing Road Surface | 5.5-GRV (Fair) | 4.5-GRV (Bad) | 4.5-GRV (Fair) |
| Proposed Improvement | Widening Rehabil. Widening | | |
| Improvement Type | Widening | Rehabil. | Widening |
| Surface Type | Gravel | Gravel | Gravel |
| Carriageway Width(m) | 6.0 | 6.0 | 6.0 |
| Shoulder Width (m) | 1.0 | .5 | .5 |
| Ref. Typical Section | TYPE 4-4 | TYPE 1-6 | TYPE 4-4 |

Road No: P20 Road Name: JCT.MSB - BARAHAN ROAD
Location : STA. CRUZ, OCCIDENTAL MINDORO



| Road Classification | Minor Road (Provincial Road) | |
|-----------------------|------------------------------|--------------------|
| Total Length | 5.6 km | |
| Sub-section No. | 1 | 2 |
| Length (km) | .8 | 4.8 |
| Terrain | Flat | Flat |
| Existing Road Surface | 5.5-GRV (V.Bad) | 5.5-GRV (V.Bad) |
| Proposed Improvement | Rehabil. Rehabil. | |
| Improvement Type | Rehabil. | Rehabil. |
| 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 | |
| | 800 | 4800 |
| | Height | .3 |

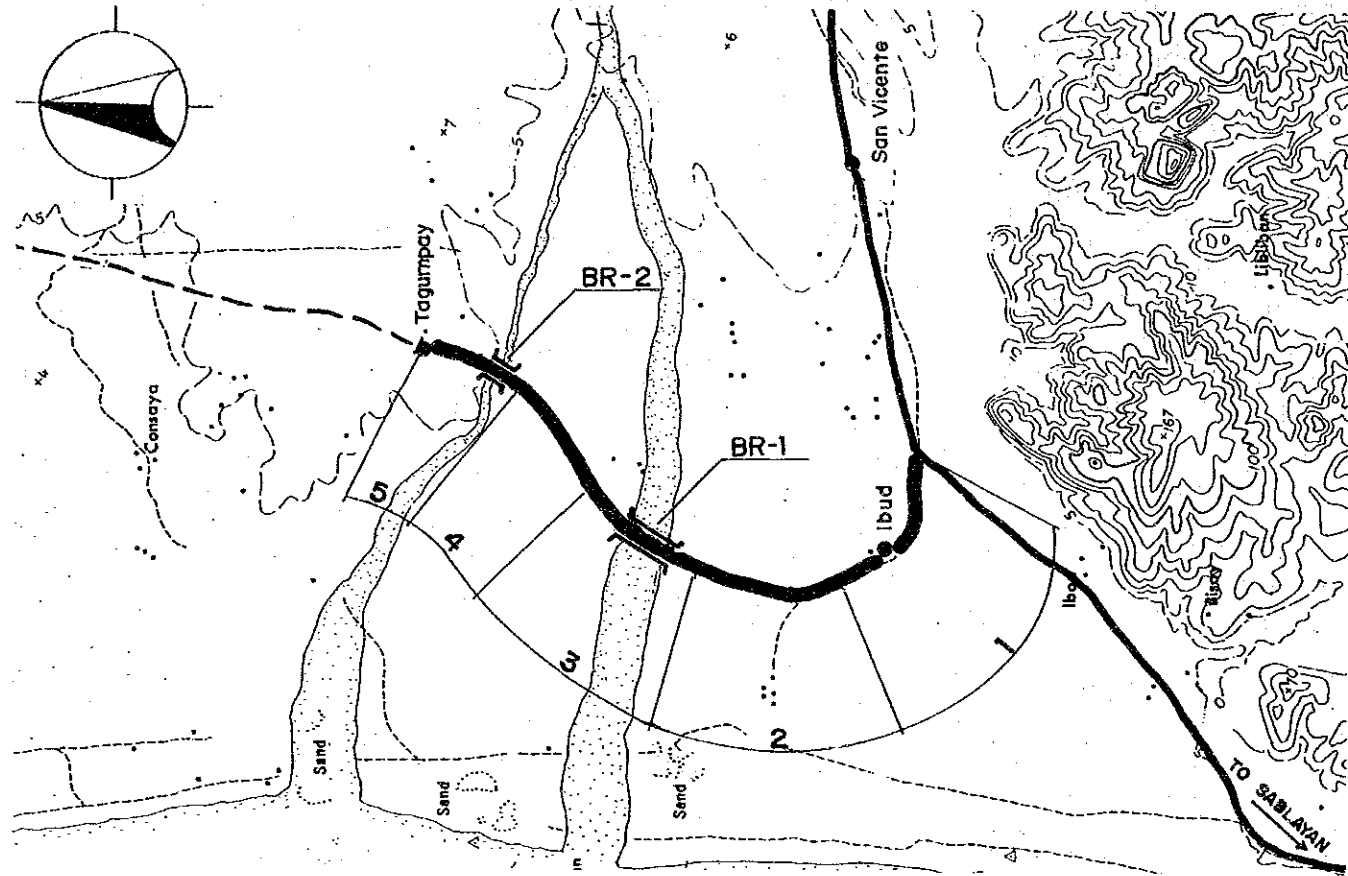
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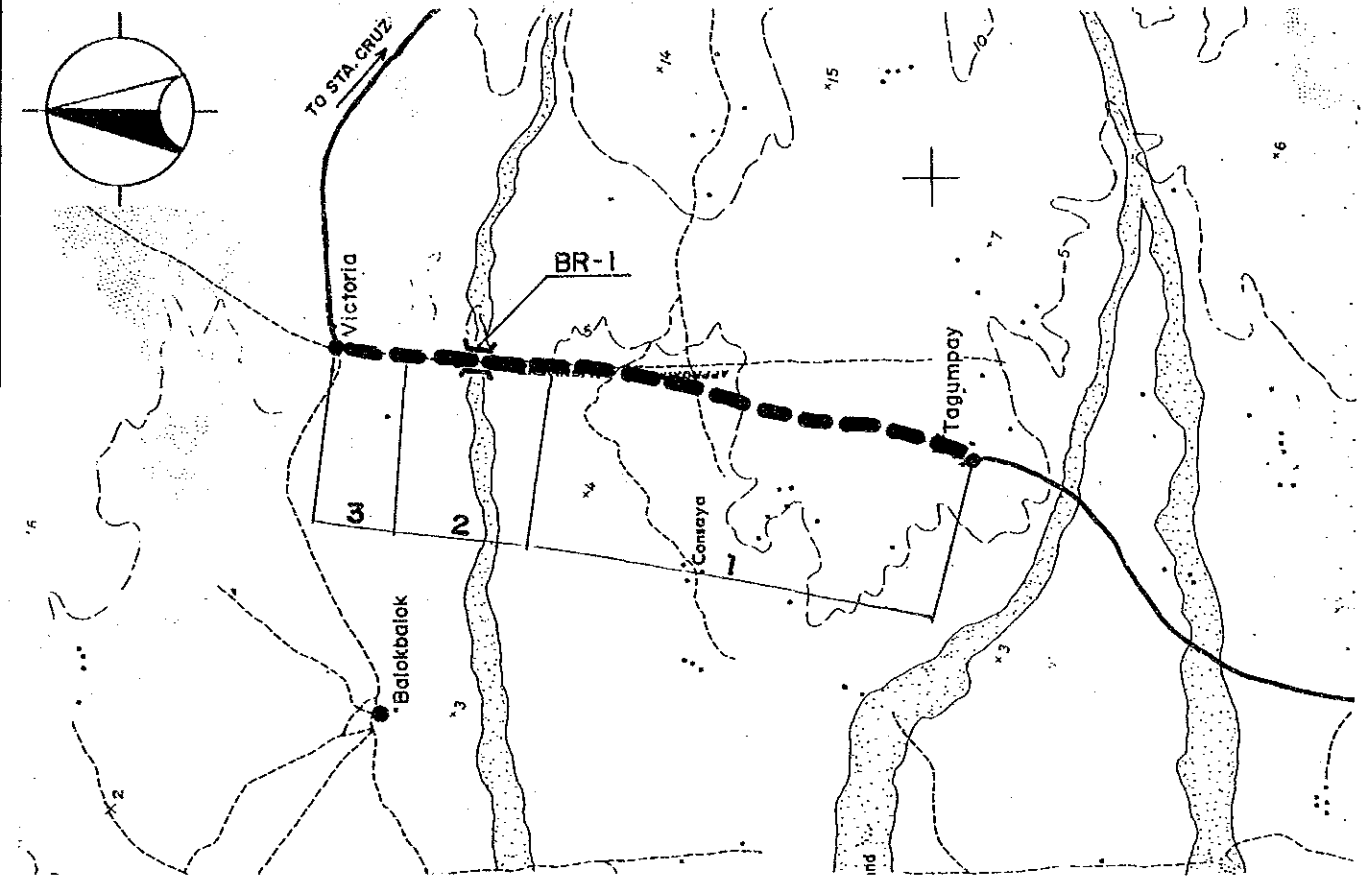
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Drawing No.
28

Road No: P24-1 Road Name: IBUD - TAGUMPAY ROAD
Location : SABLAYAN, OCCIDENTAL MINDORO



Road No: P24-2 Road Name: TAGUMPAY - VICTORIA ROAD
Location : SABLAYAN, OCCIDENTAL MINDORO



| Road Classification | Minor Road (Provincial Road) | | | | |
|-----------------------|------------------------------|--------------------|---------------------|------------------|--------------------|
| Total Length | 4.7 km | | | | |
| Sub-section No. | 1 | 2 | 3 | 4 | 5 |
| Length (km) | 1.2 | 1.0 | .9 | .8 | .8 |
| Terrain | Flat | Flat | Flat | Flat | Flat |
| Existing Road Surface | 6.0-GRV (Bad) | 6.0-GRV (V.Bad) | 3.6-EAR (Impass) | 4.0-GRV (Bad) | 4.0-EAR (V.Bad) |
| Proposed Improvement | Rehabil. | Rehabil. | Impr.-1 | Rehabil. | Impr.-1 |
| Improvement Type | Gravel | Gravel | Gravel | Gravel | Gravel |
| Surface Type | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 |
| Carriageway Width(m) | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| Shoulder Width (m) | TYPE 1-6 | TYPE 1-6 | TYPE 2-8 | TYPE 1-6 | TYPE 2-8 |
| Ref. Typical Section | Special Treatment | | | | |
| Flood Section Length | 1000 | 1000 | 900 | - | - |
| Height | .2 | .5 | 1.5 | - | - |
| Bridge No. | BR-1 | BR-2 | | | |
| Existing Type | Ford-Cr. | Ford-Cr. | | | |
| Length (m) | - | - | | | |
| Proposed Type | 2Lane-Sp | 2Lane-Sp | | | |
| Length (m) | 500 | 40 | | | |
| No. of Spans | - | - | | | |

| Road Classification | Minor Road (Provincial Road) | | |
|-----------------------|------------------------------|---------------|---------------|
| Total Length | 4.5 km | | |
| Sub-section No. | 1 | 2 | 3 |
| Length (km) | 3.0 | 1.0 | .5 |
| Terrain | Flat | Flat | Flat |
| Existing Road Surface | Non Ex-isting | Non Ex-isting | Non Ex-isting |
| Proposed Improvement | New Con. | New Con. | New Con. |
| Improvement Type | Gravel | Gravel | Gravel |
| Surface Type | 4.0 | 4.0 | 4.0 |
| Carriageway Width(m) | 1.0 | 1.0 | 1.0 |
| Shoulder Width (m) | TYPE 5-4 | TYPE 5-4 | TYPE 5-4 |
| Ref. Typical Section | Bridge No. | | |
| | BR-1 | | |
| Existing Type | Ford-Cr. | | |
| Length (m) | - | | |
| Proposed Type | 1Lane-Sp | | |
| Length (m) | 100 | | |
| No. of Spans | - | | |

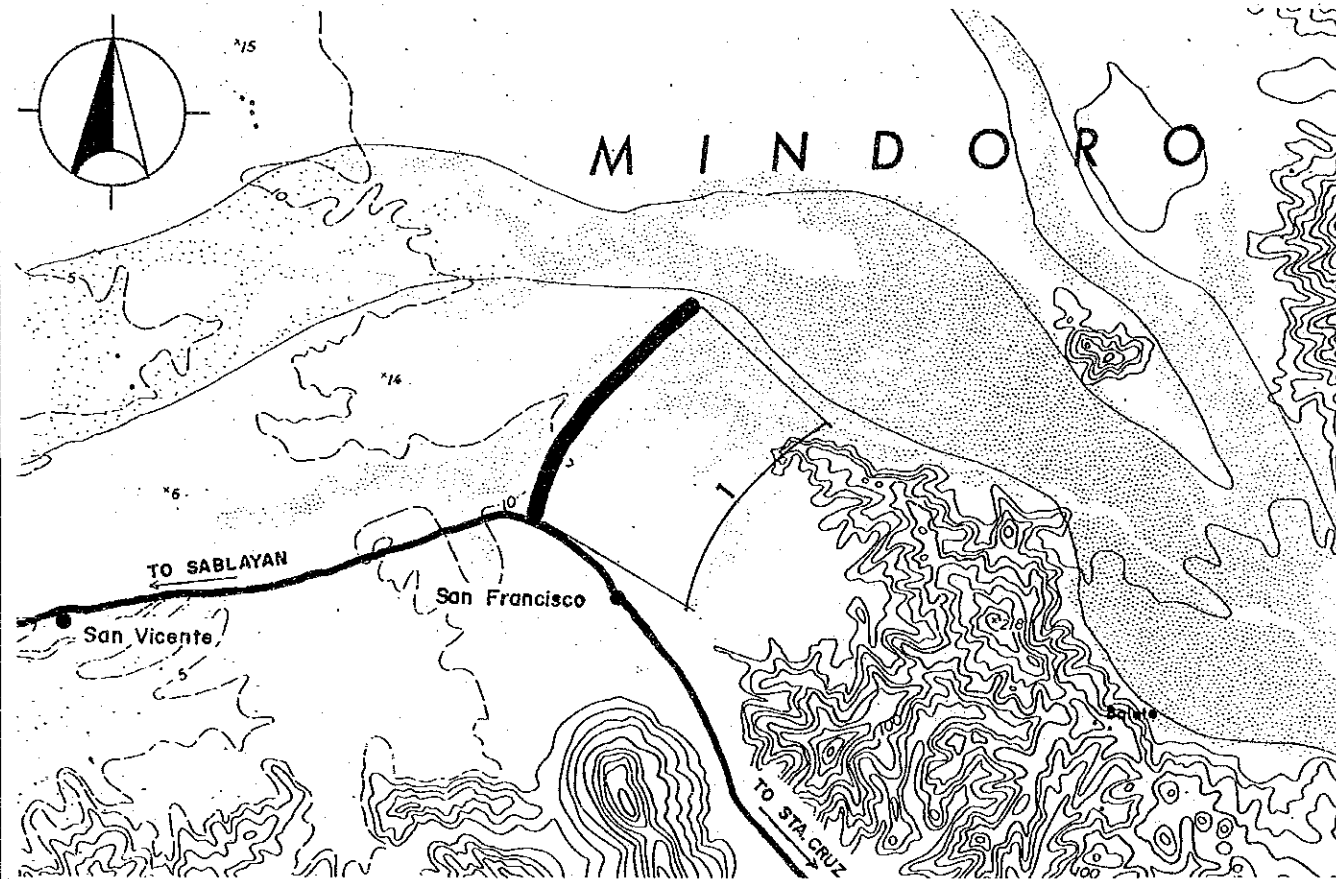
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Scale
1:50,000

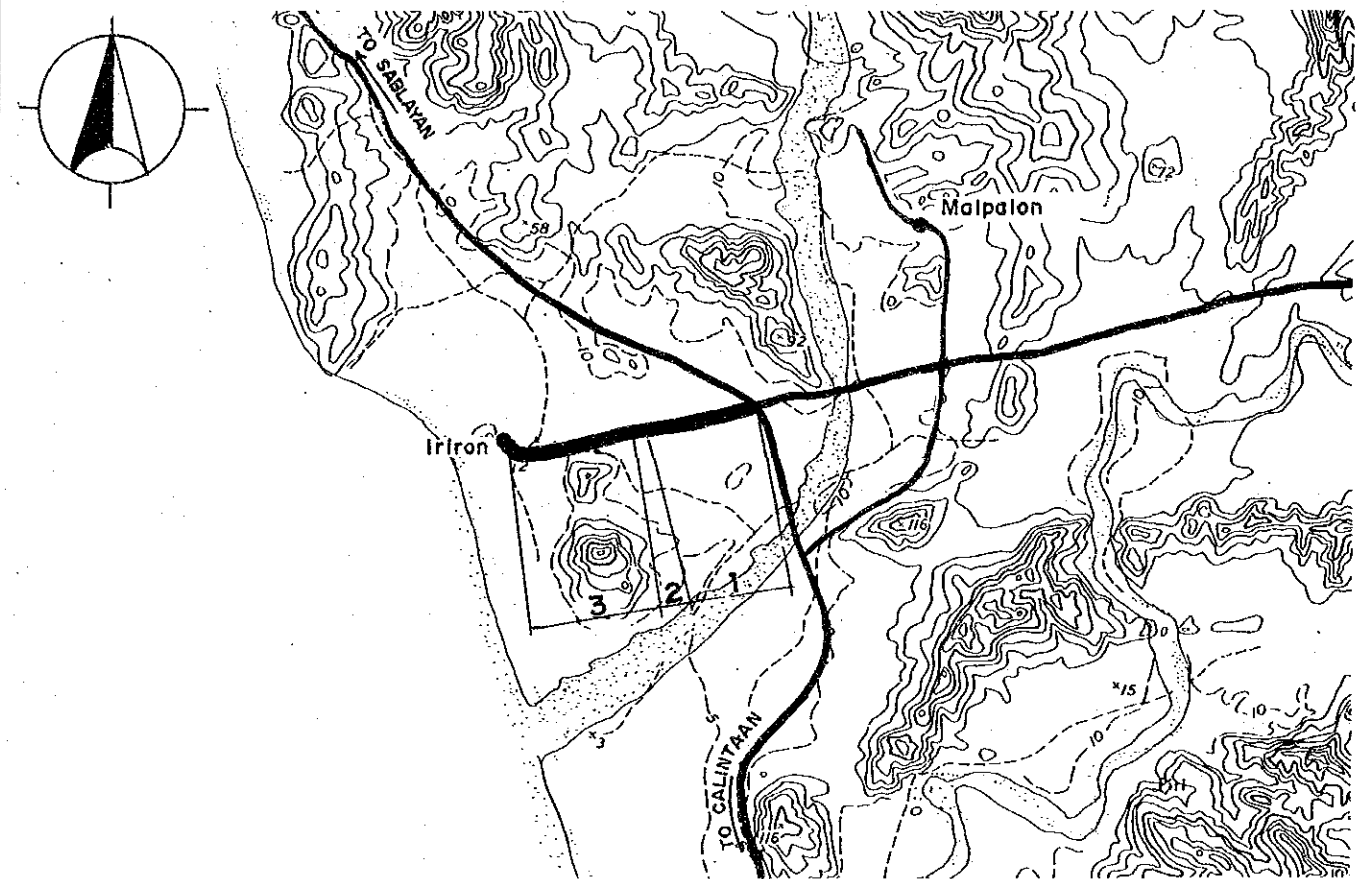
Drawing No.
29

Road No: P25 Road Name: SAN VICENTE - GUITONG ROAD
Location : SABLAYAN, OCCIDENTAL MINDORO



| | |
|-----------------------|---------------------------------|
| Road Classification | Minor Road (Provincial Road) |
| Total Length | 1.9 km |
| Sub-section No. | 1 |
| Length (km) | 1.9 |
| Terrain | Flat |
| Existing Road Surface | 3.6-GRV (V.Bad) |
| Proposed Improvement | |
| Improvement Type | Rehabil. |
| Surface Type | Gravel |
| Carriageway Width(m) | 4.0 |
| Shoulder Width (m) | 1.0 |
| Ref. Typical Section | TYPE 1-6 |

Road No: P28 Road Name: JNR - IRIRON ROAD
Location : CALINTAAN, OCCIDENTAL MINDORO



| | | | |
|-----------------------|-----------------------------|------------------|------------------|
| Road Classification | Minor Road(Provincial Road) | | |
| Total Length | 1.8 km | | |
| Sub-section No. | 1 | 2 | 3 |
| Length (km) | .8 | .1 | .9 |
| Terrain | Flat | Flat | Flat |
| Existing Road Surface | 4.0-GRV (Bad) | 4.0-GRV (Bad) | 4.0-GRV (Bad) |
| Proposed Improvement | | | |
| Improvement Type | Rehabil. | Rehabil. | Rehabil. |
| Surface Type | Gravel | Gravel | Gravel |
| Carriageway Width(m) | 4.0 | 4.0 | 4.0 |
| Shoulder Width (m) | 1.0 | 1.0 | 1.0 |
| Ref. Typical Section | TYPE 1-6 | TYPE 1-6 | TYPE 1-6 |

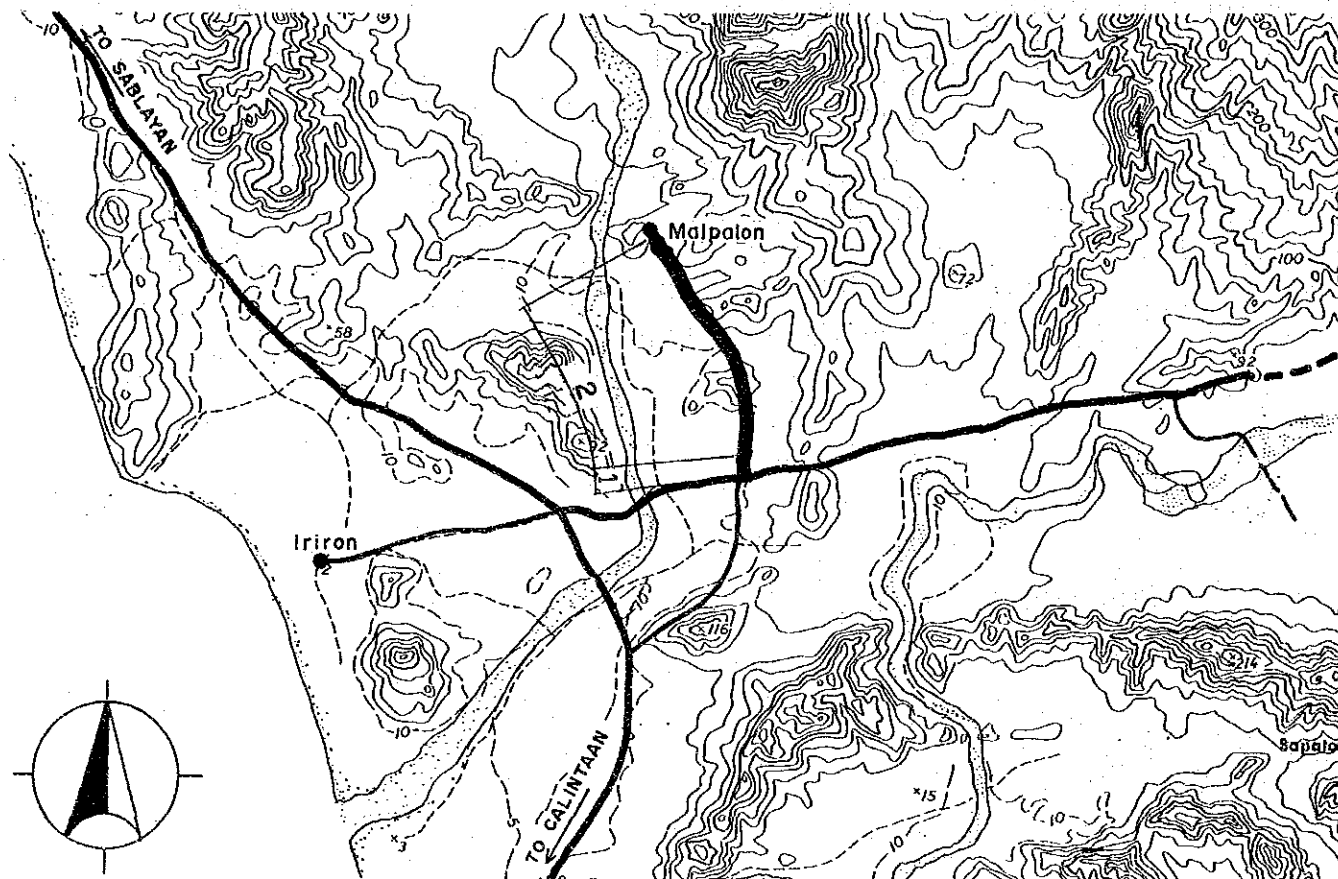
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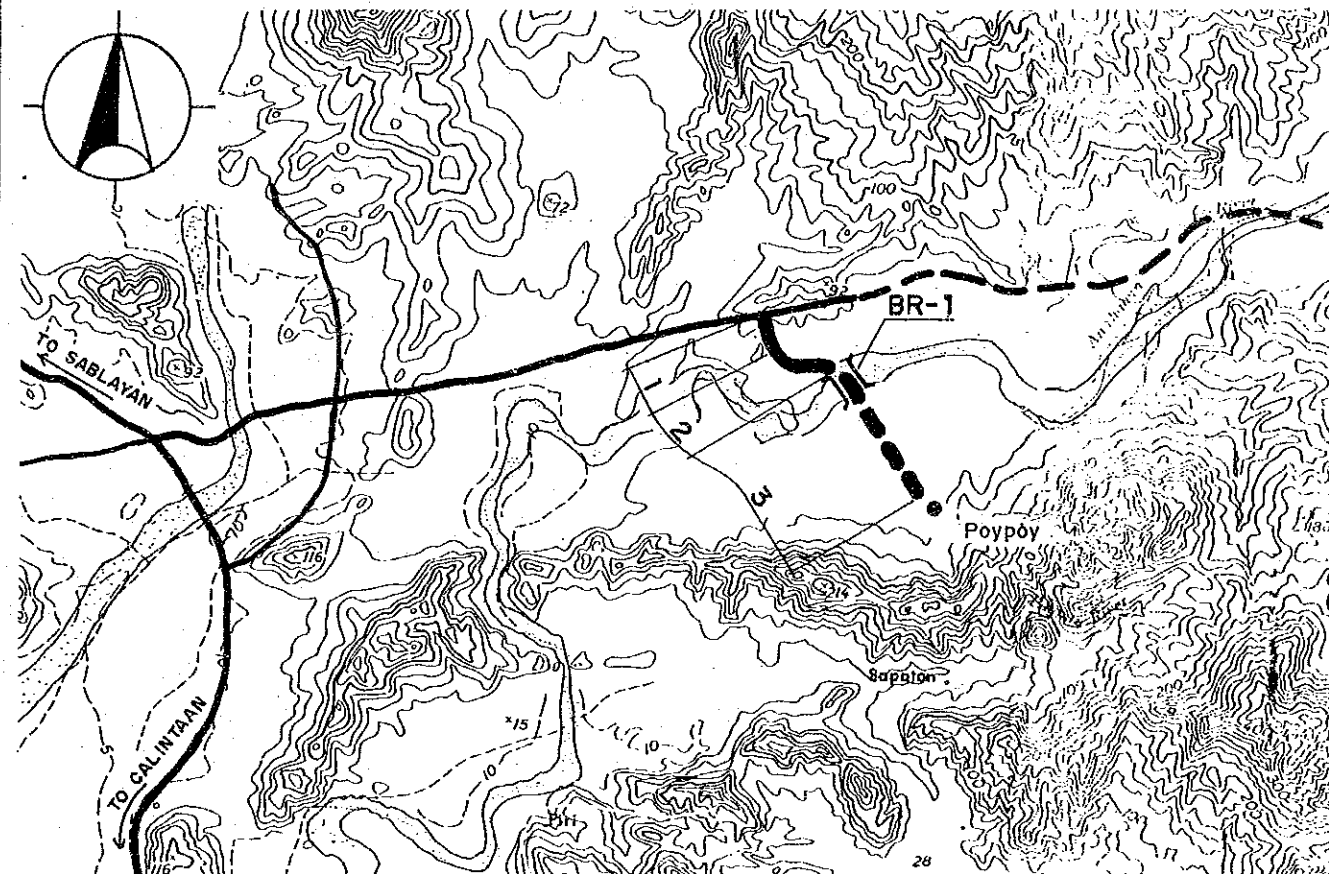
Drawing No.
30

Road No: P29 Road Name: JNR - MALPALON ROAD
Location: CALINTAAN, OCCIDENTAL MINDORO



| Road Classification | Minor Road (Provincial Road) | |
|-----------------------|---------------------------------|------------------|
| Total Length | 1.9 km | |
| Sub-section No. | 1 | 2 |
| Length (km) | .1 | 1.8 |
| Terrain | Flat | Flat |
| Existing Road Surface | 5.5-PCC (Good) | 5.0-GRV (Bad) |
| Proposed Improvement | - | |
| Improvement Type | - Rehabil. | |
| Surface Type | - Gravel | |
| Carriageway Width(m) | - 6.0 | |
| Shoulder Width (m) | - 1.0 | |
| Ref. Typical Section | - TYPE 1-6 | |

Road No: P31 Road Name: JNR - POYPOY ROAD
Location: CALINTAAN, OCCIDENTAL MINDORO



| Road Classification | Minor Road (Provincial Road) | | |
|-----------------------|------------------------------|------------------|---------------------|
| Total Length | 1.7 km | | |
| Sub-section No. | 1 | 2 | 3 |
| Length (km) | .3 | .4 | 1.0 |
| Terrain | Mt'nous | Flat | Flat |
| Existing Road Surface | 2.4-EAR (V.Bad) | 3.2-EAR (Bad) | 3.2-EAR (Impass) |
| Proposed Improvement | - | | |
| Improvement Type | Impr.-1 | Impr.-1 | Impr.-1 |
| Surface Type | Gravel | Gravel | Gravel |
| Carriageway Width(m) | 4.0 | 4.0 | 4.0 |
| Shoulder Width (m) | .5 | 1.0 | 1.0 |
| Ref. Typical Section | TYPE 2-8 | TYPE 2-8 | TYPE 2-8 |
| Bridge No. | BR-1 | | |
| Existing Type | Ford-Cr. | | |
| Length (m) | - | | |
| Proposed Type | 1Lane-Sp | | |
| Length (m) | 250 | | |
| No. of Spans | - | | |

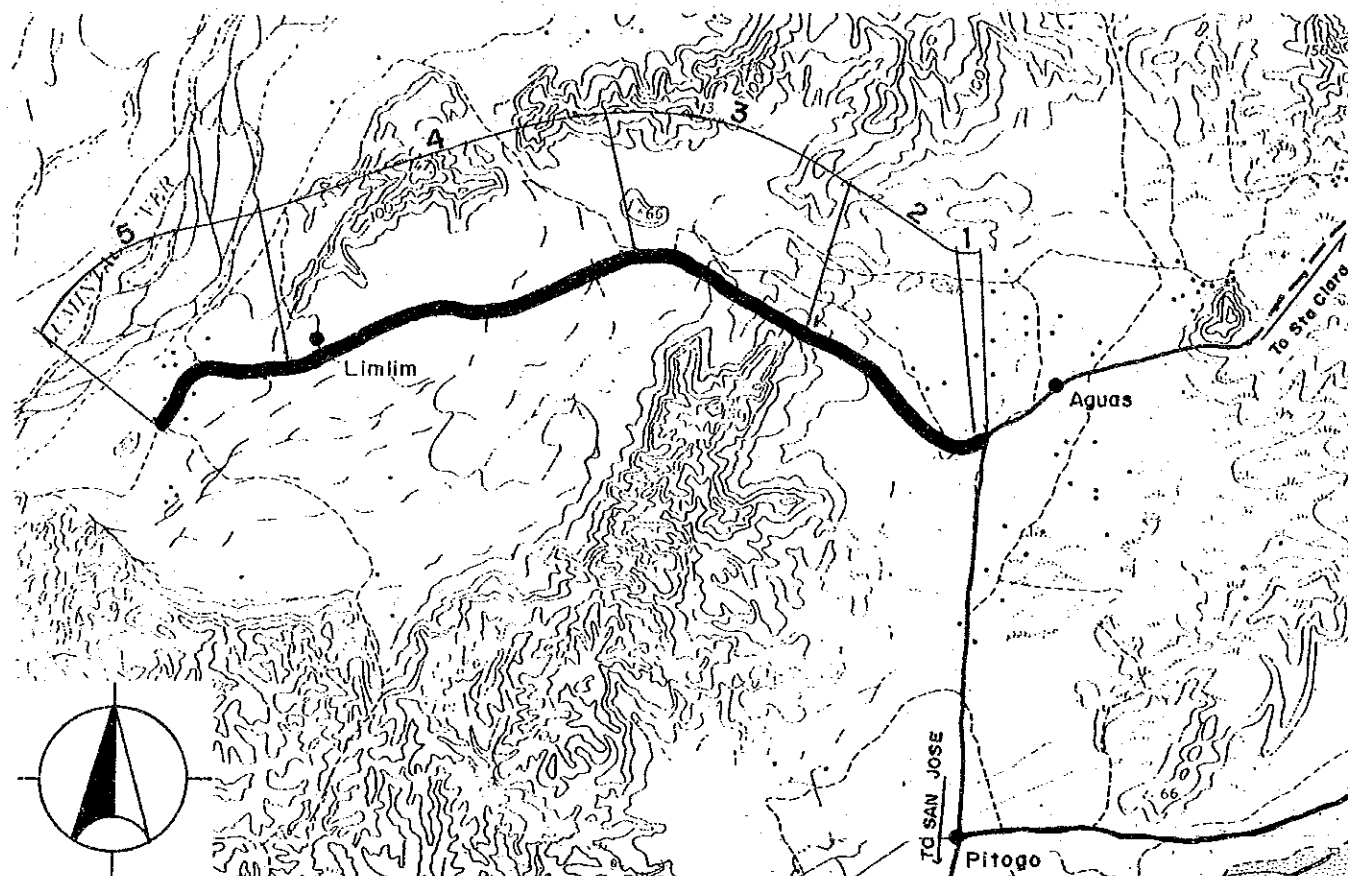
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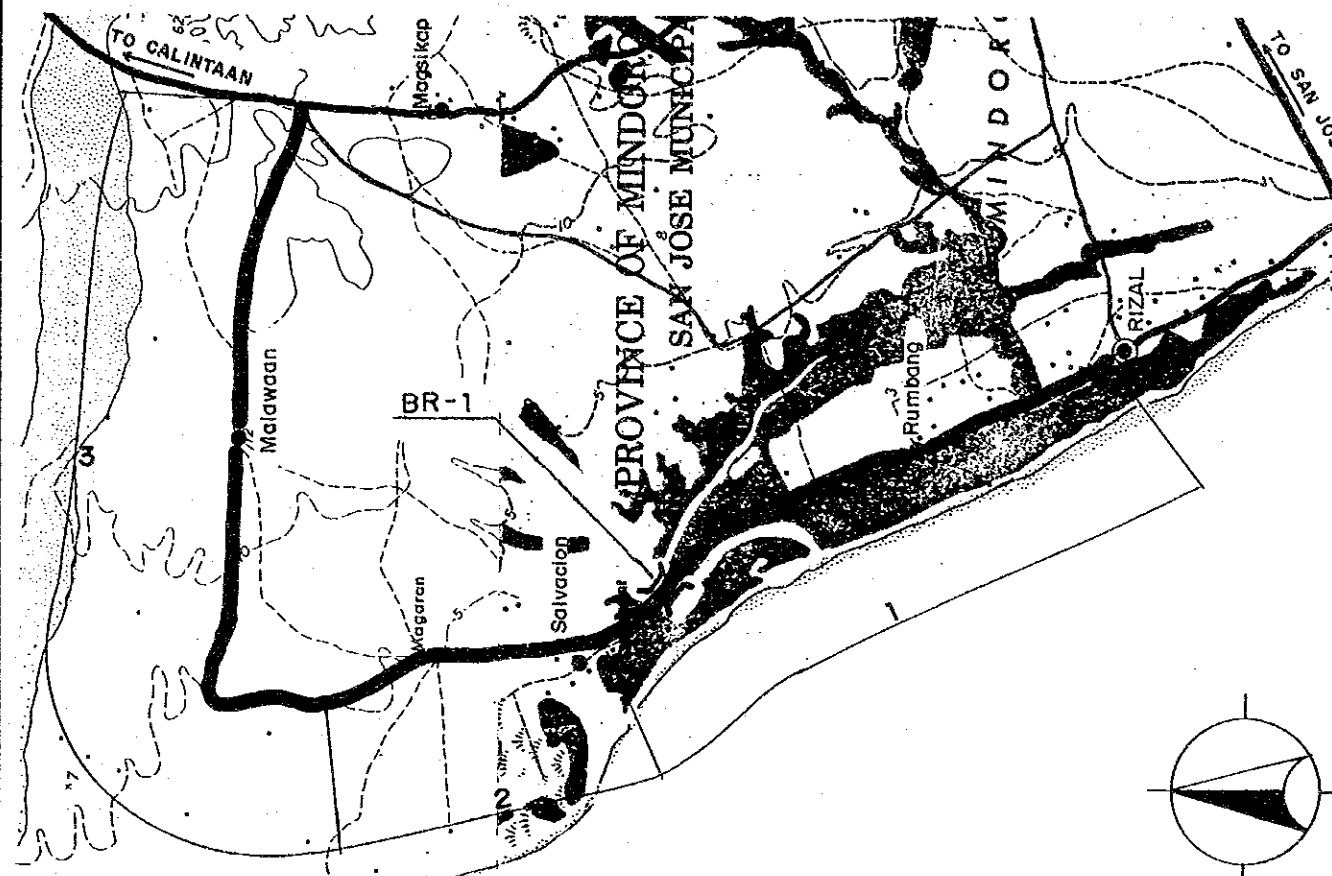
Drawing No.
31

Road No: P34 Road Name: AGUAS - LIMLIM ROAD
Location : RIZAL, OCCIDENTAL MINDORO



| Road Classification | Minor Road (Provincial Road) | | | | |
|-----------------------|------------------------------|------------------|------------------|-------------------|------------------|
| Total Length | 6.5 km | | | | |
| Sub-section No. | 1 | 2 | 3 | 4 | 5 |
| Length (km) | .1 | 1.4 | 1.5 | 2.5 | 1.0 |
| Terrain | Flat | Flat | Mt'nous | Flat | Flat |
| Existing Road Surface | 4.0-PCC (Bad) | 4.0-GRV (Bad) | 4.2-GRV (Bad) | 4.5-GRV (Fair) | 4.0-EAR (Bad) |
| Proposed Improvement | Rehabil. | Rehabil. | Rehabil. | - | Impr.-1 |
| Improvement Type | PCC | Gravel | Gravel | - | Gravel |
| Surface Type | 4.0 | 4.0 | 4.0 | - | 4.0 |
| Carriageway Width(m) | 1.5 | 1.0 | .5 | - | 1.0 |
| Shoulder Width (m) | TYPE 1-1 | | TYPE 1-6 | | TYPE 2-8 |
| Ref. Typical Section | TYPE 1-1 | | TYPE 1-6 | | TYPE 2-8 |

Road No: P40 Road Name: RIZAL - SALVACION - MAGSIKAP ROAD
Location : RIZAL, OCCIDENTAL MINDORO



| Road Classification | Minor Road(Provincial Road) | | |
|-----------------------|-----------------------------|------------------|------------------|
| Total Length | 11.4 km | | |
| Sub-section No. | 1 | 2 | 3 |
| Length (km) | 4.2 | 2.0 | 5.2 |
| Terrain | Flat | Flat | Flat |
| Existing Road Surface | 6.0-GRV (Fair) | 6.0-GRV (Bad) | 4.0-GRV (Bad) |
| Proposed Improvement | - | Rehabil. | Rehabil. |
| Improvement Type | - | Gravel | Gravel |
| Surface Type | - | 6.0 | 6.0 |
| Carriageway Width(m) | - | 1.0 | 1.0 |
| Shoulder Width (m) | - | TYPE 1-6 | |
| Ref. Typical Section | - | TYPE 1-6 | |
| Bridge No. | BR-1 | | |
| Existing Type | Bailey | | |
| Length (m) | 42 | | |
| Proposed Type | - | | |
| Length (m) | - | | |
| No. of Spans | - | | |