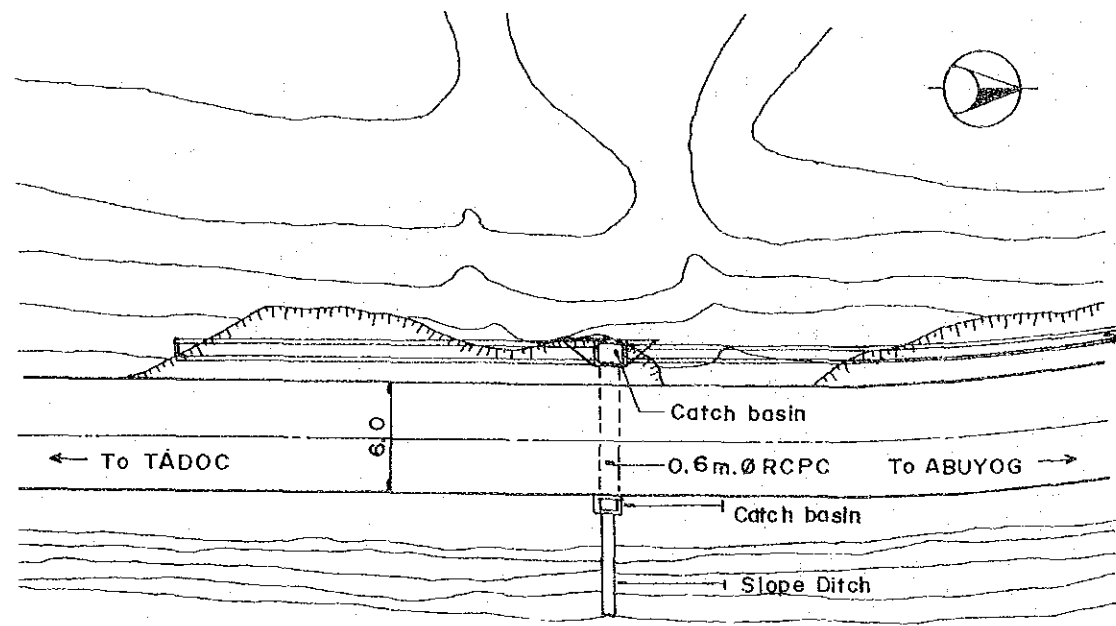


PROVINCE : LEYTE
 SPOT No. : L-82 (2/2)

NAME OF ROAD : TADOC - SOUTHERN LEYTE ROAD
 ROAD CLASSIFICATION : BARANGAY ROAD

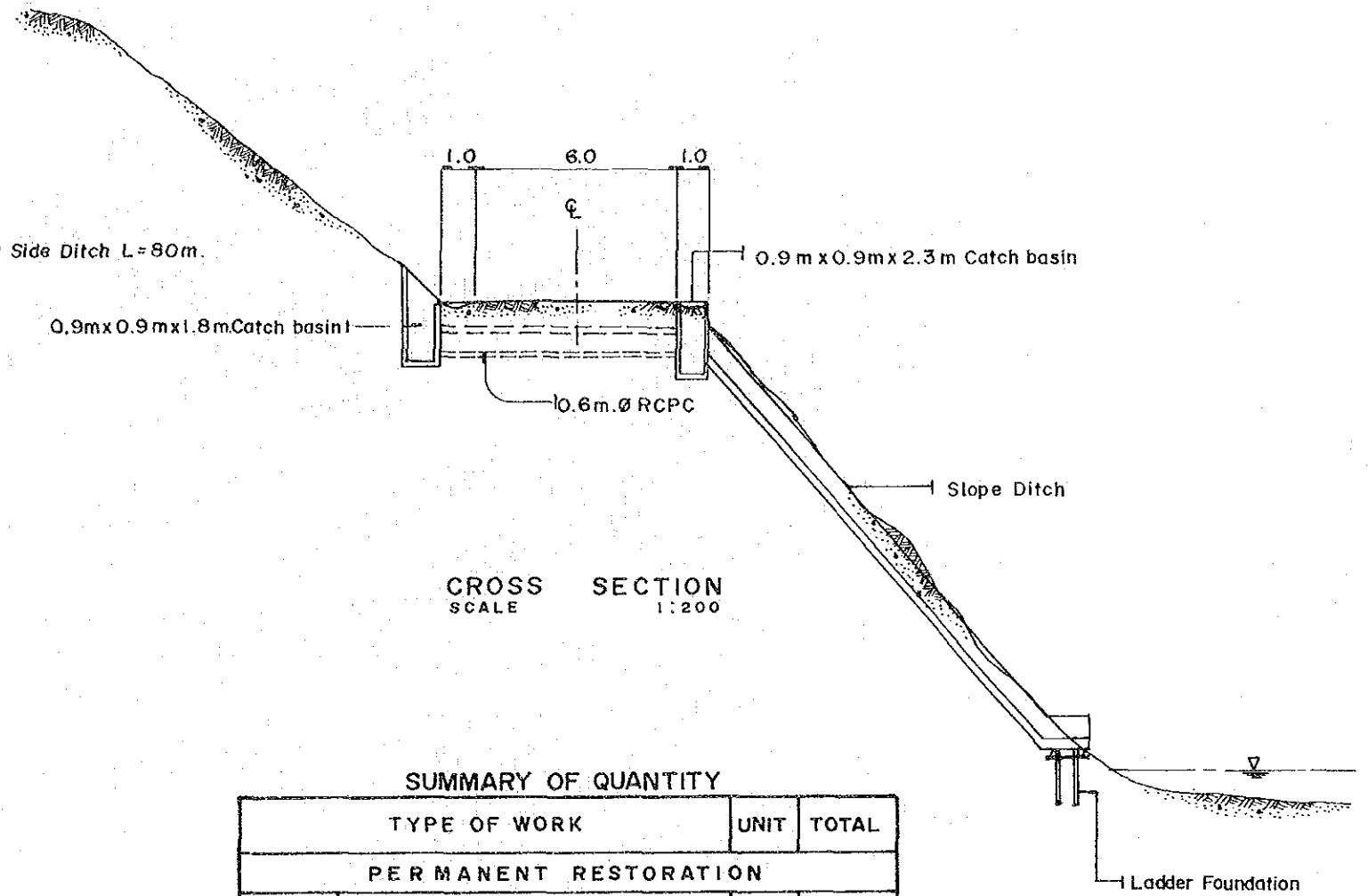
TYPE OF DISASTER : EMBANKMENT SLOPE FAILURE

DRAWING NO.
 164

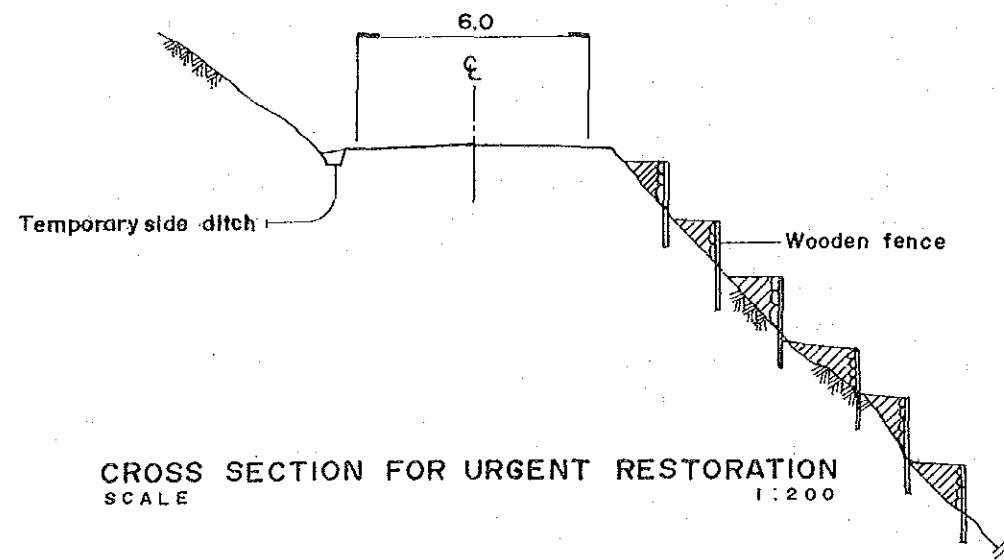


← FLOW

PLAN
 SCALE 1:400



CROSS SECTION
 SCALE 1:200



CROSS SECTION FOR URGENT RESTORATION
 SCALE 1:200

SUMMARY OF QUANTITY

	TYPE OF WORK	UNIT	TOTAL
PERMANENT RESTORATION			
P2-1	SLOPE DITCH	L.M.	18
P2-2	SIDE DITCH	L.M.	80
P2-4	RCPC 0.6 mØ	L.M.	7
P2-5	CATCH BASIN	E.A.	2
URGENT RESTORATION			
U2-2	TEMPORARY SIDE DITCH	M.	50
U4-3	WOODEN FENCE	M.	32

PROVINCE : LEYTE
SPOT No. : L-84 (1/2)

NAME OF ROAD : TADOC-SOUTHERN LEYTE ROAD
ROAD CLASSIFICATION : BARANGAY ROAD

TYPE OF DISASTER : CUT SLOPE FAILURE

DRAWING NO.
165

Leyte Spot No. 84 (L-84)

1) General Situation

- Disaster Classification: C-F
- Road Name: Tadoc - Southern Leyte Road
- Location : 7+600 from Jct. Abuyog - Mahaplag Road
- Road Class/Office Concerned: Barangay Road/Leyte 3rd Engineering District

- Barangays connected: Brgy. Tadoc and Brgy. Salvacion

- Road Width/Pavement Width: 9.0m
- Pavement Type: Gravel
- Surface Condition: Fair
- Availability of Detour: None

2) Damage Identified

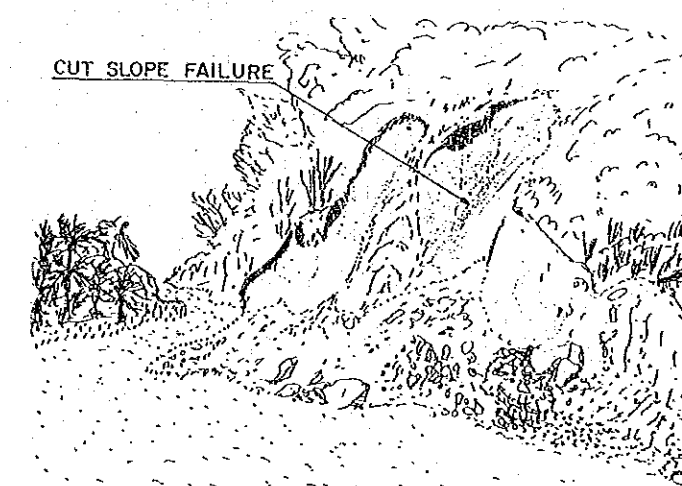
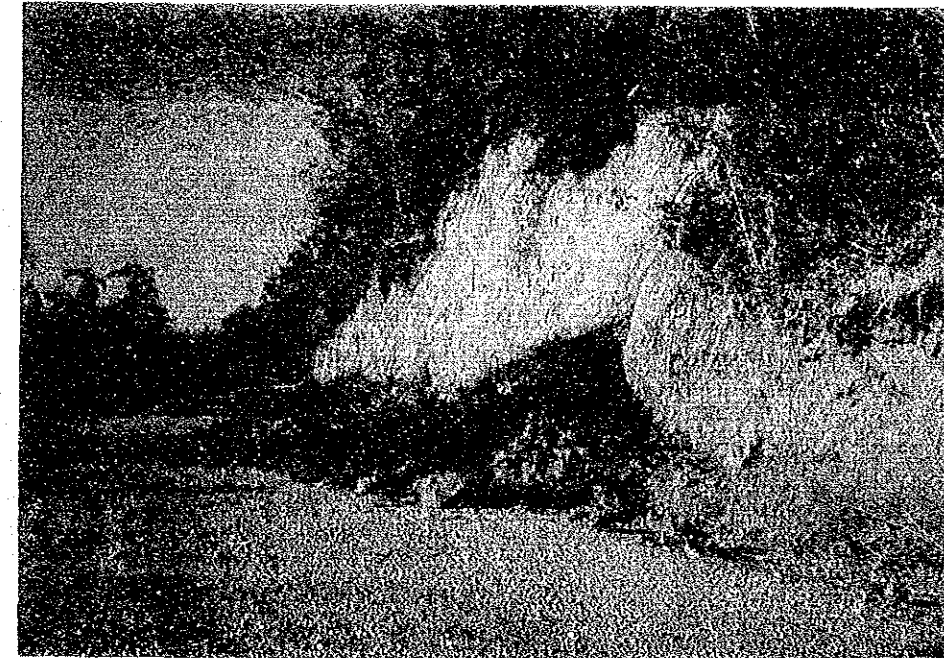
- Type of Disaster: Cut slope failure
- Magnitude of Damage: 17 meters in length & 12 meters in height
- Date Noticed: Nov. 12, 1990
- Degree/Period of Traffic Interruption: Low
- Description of Disaster:

It was during the time of construction of the road where cutting of the hillside has been done for the alignment. The section which has been cut remain unstable due to the present condition of top soil of the natural slope. The slide materials on this spot is still existing but with less traffic interruption.

The valley side, deep slope could be noticed which is just near and parallel to the river. This spot is less vegetated that cannot hold firmly that materials from sliding.

3) Causes of Damage

Unstable slope gradient, soft soil slides during heavy rain.

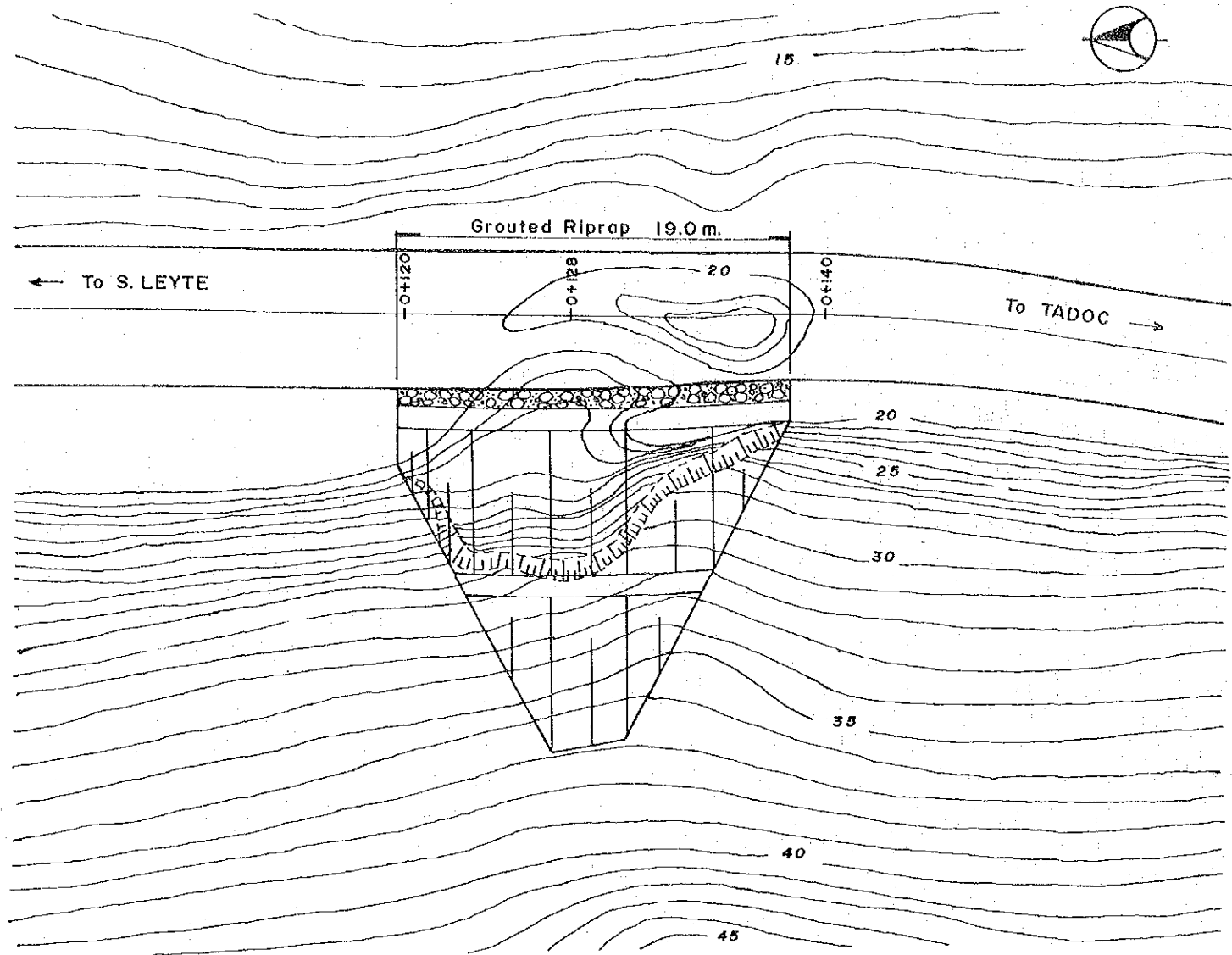


PROVINCE : LEYTE
 SPOT No. : L-84 (2/2)

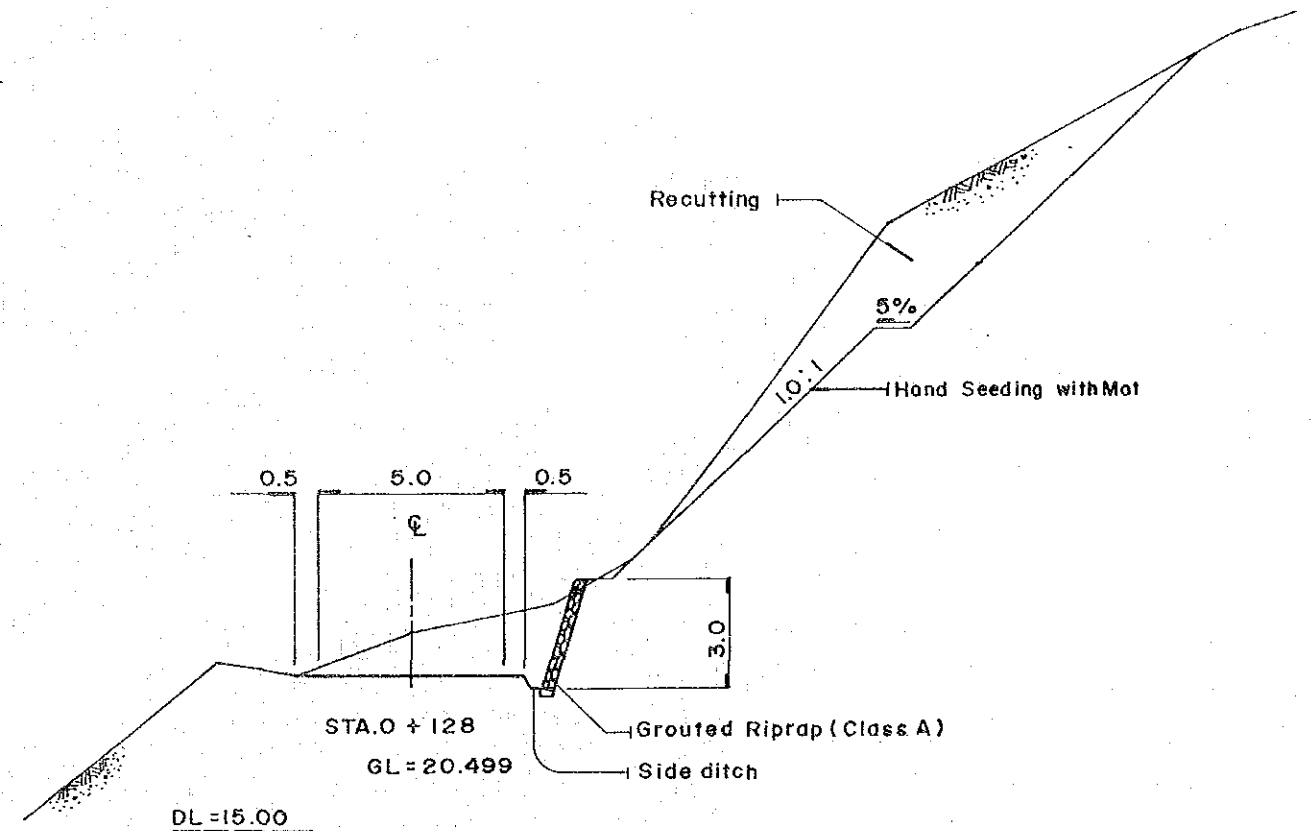
NAME OF ROAD : TADOC-SOUTHERN LEYTE ROAD
 ROAD CLASSIFICATION : BARANGAY ROAD

TYPE OF DISASTER : CUT SLOPE FAILURE

DRAWING NO.
 166



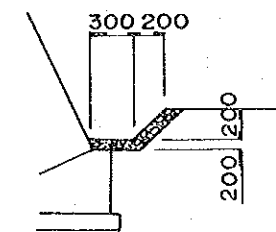
P L A N
 SCALE 1:300



CROSS SECTION
 SCALE 1:200

SUMMARY OF QUANTITY

TYPE OF WORK		UNIT	TOTAL
PERMANENT RESTORATION			
P1-1	RECURTING	CU. M.	240
P2-2	SIDE DITCH	L.M.	19
P4-2	HAND SEEDING WITH MAT	SQ.M.	290
P6-2	GROUTED RIPRAP	CU.M.	19
URGENT RESTORATION			
U1-1	REMOVAL OF DEPOSIT MATERIALS	CU.M.	80



DETAIL OF SIDE DITCH
 SCALE 1:50

URGENT RESTORATION

- Removal of deposit materials

PROVINCE : LEYTE
SPOT No. : L-87(1/2)

NAME OF ROAD : TADOC-SOUTHERN LEYTE ROAD
ROAD CLASSIFICATION : BARANGAY ROAD

TYPE OF DISASTER : CUT SLOPE FAILURE

DRAWING NO.
167

Leyte Spot No. 87 (L-87)

1) General Situation

- Disaster Classification: C-F
- Road Name: Tadoc - Southern Leyte Road
- Location : 8+200 from Jct.
- Road Class/Office Concerned: Barangay Road/Leyte 3rd Engineering District
- Barangays connected: Brgy. Tadoc and Brgy. Salvacion
- Road Width: 9.0m
- Pavement Type: Gravel
- Surface Condition: Fair
- Availability of Detour: None

2) Damage Identified

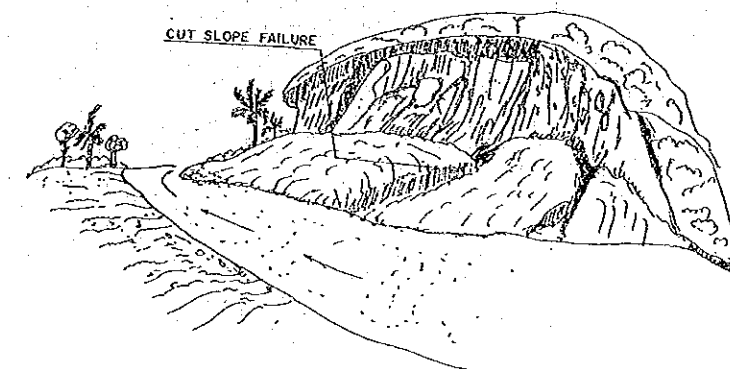
- Type of Disaster: Cut slope failure
- Magnitude of Damage: 32m in length and 11m in height
- Date Noticed: Nov. 12, 1990
- Degree/Period of Traffic Interruption: Low
- Description of Disaster:

This particular spot is located 8.2 kms. from Jct. Abuyog - Mahaplag Road and was damaged last Nov. 12, 1990 by typhoon "Ruping". Damaged section is about 32.0m in length and 11.0m in height. The slope of the mountain is about 70° angle with light vegetation. Soft soil slides during heavy rain.

Slide materials were still on the roadside but with less effect on traffic.

3) Causes of Damage

- Slope is irregular and unstable, thus water concentrate on sagged portion causing erosion.

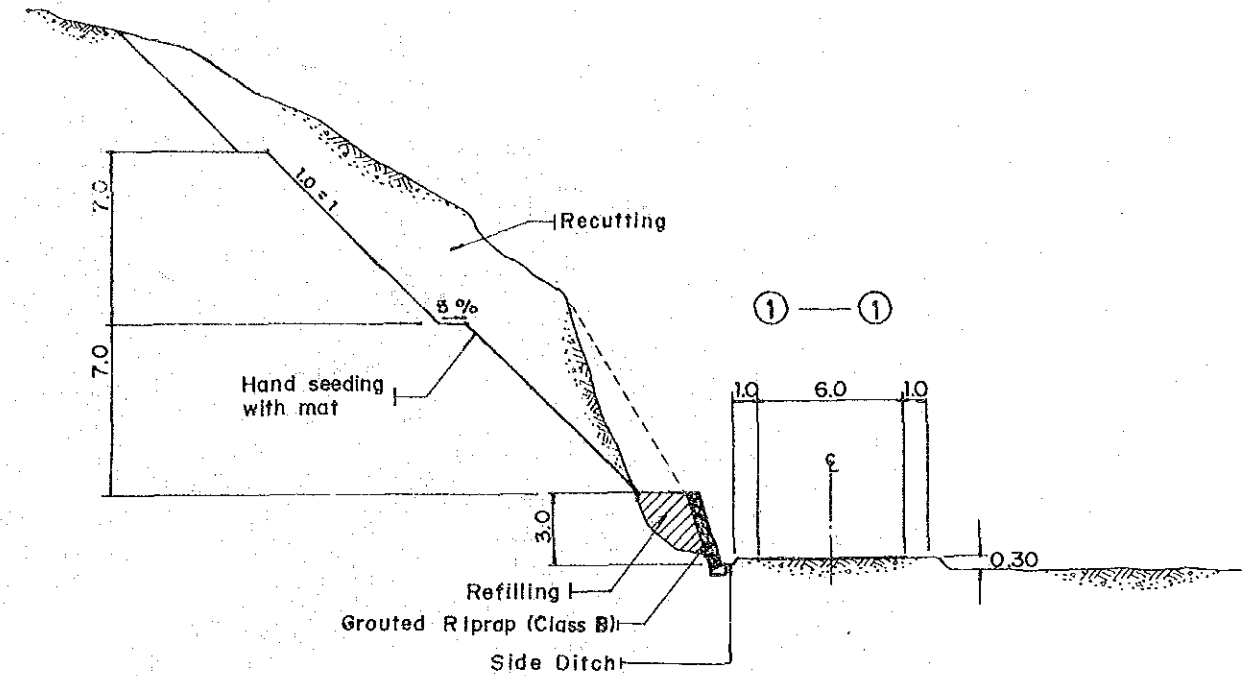
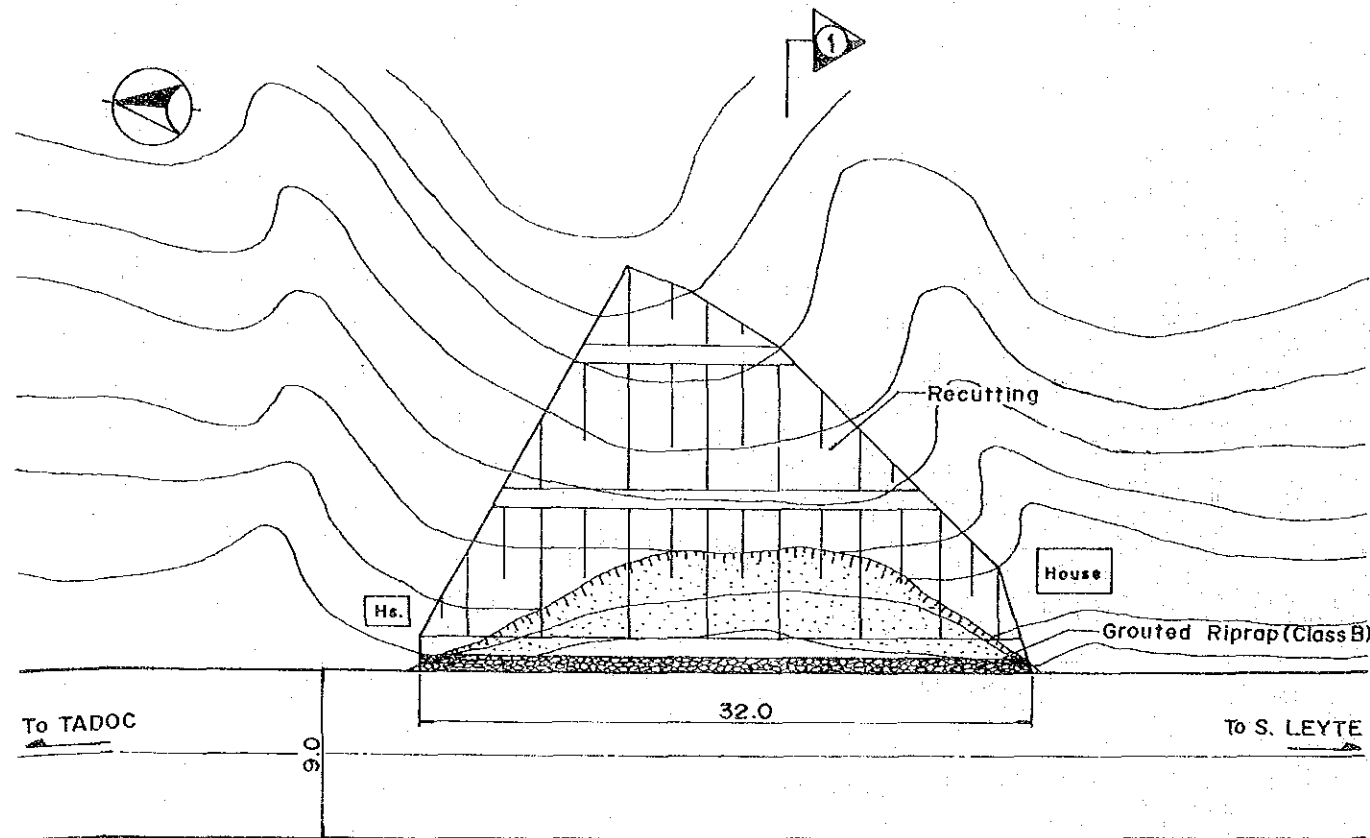


PROVINCE : LEYTE
 SPOT No. : L-87(2/2)

NAME OF ROAD : TADOC - SOUTHERN LEYTE ROAD
 ROAD CLASSIFICATION : BARANGAY ROAD

TYPE OF DISASTER : CUT SLOPE FAILURE

DRAWING NO.
 168



CROSS SECTION
 SCALE: 1:300

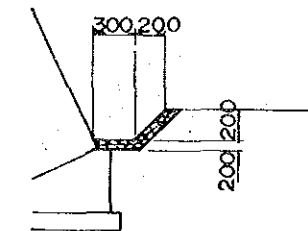
P L A N
 SCALE: 1:400

SUMMARY OF QUANTITY

TYPE OF WORK		UNIT	TOTAL
PERMANENT RESTORATION			
P1-1	RE-CUTTING	CU. M.	1080
P2-2	SIDE DITCH	L.M.	32
P4-2	HAND SEEDING WITH MAT	SQ. M.	638
P6-2	GROUTED RIPRAP	CU. M.	50
P1-3	REFILLING / EMBANKMENT	CU. M.	100
URGENT RESTORATION			
U1-1	REMOVAL OF DEPOSIT MATERIALS	CU. M.	100

URGENT RESTORATION

- Removal of deposit materials.



DETAIL OF SIDE DITCH
 SCALE: 1:50

PROVINCE : LEYTE
SPOT No. : L-90(1/2)

NAME OF ROAD : Jct. KANANGA-TAGAYTAY ROAD
ROAD CLASSIFICATION : PROVINCIAL ROAD

TYPE OF DISASTER : SPILLWAY DAMAGE

DRAWING NO.
169

Leyte Spot No. 90 (L-90)

1) General Situation

- Disaster Classification: SPw-D
- Road Name: Jct. Kananga - Tagaytay Road
- Location : 1.5 from Kananga Proper
- Road Class/Office Concerned: Provincial Road/Provincial Engineer's Office

- Municipalities/Barangays connected:
Kananga Proper, Brgy. Tagaytay and Brgy. Libertad

- Road Width: 4.0m
- Pavement Type: Gravel
- Surface Condition: Bad
- Availability of Detour: None

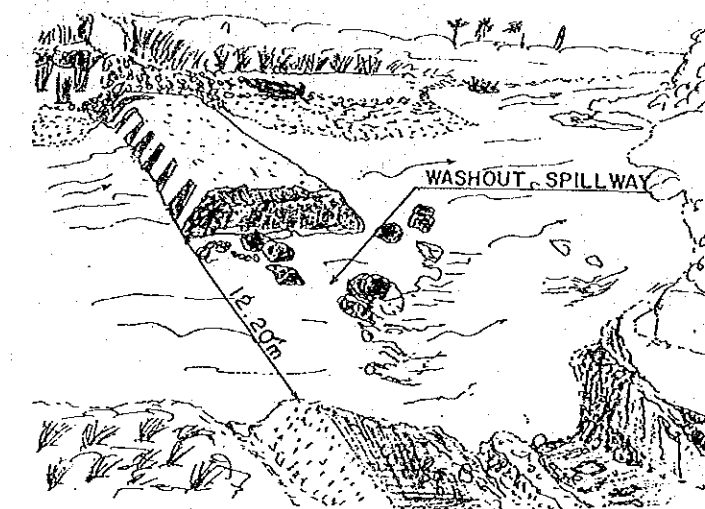
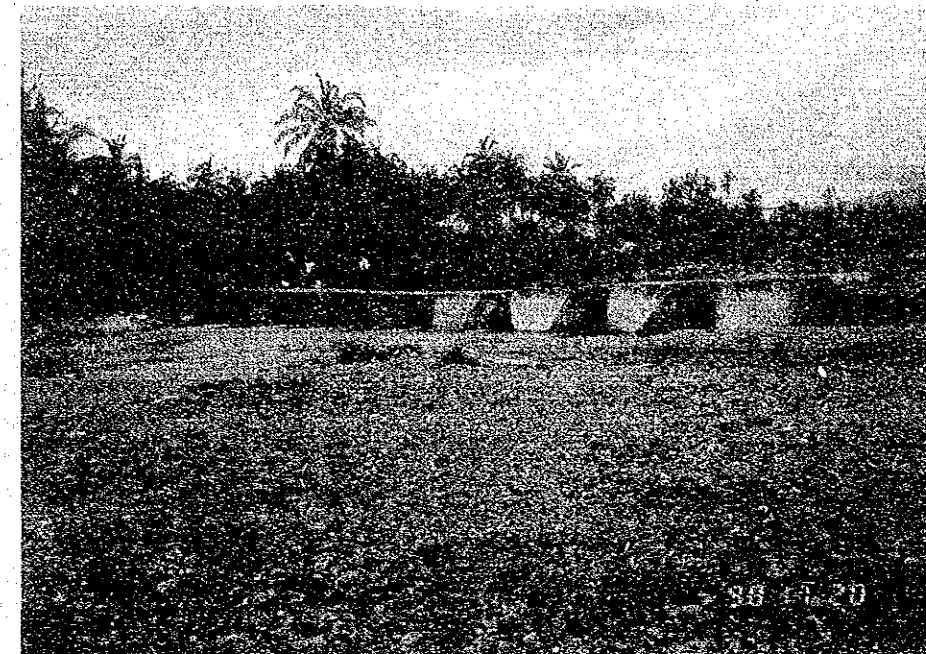
2) Damage Identified

- Type of Disaster: Washed out of approach (temporary restored)
- Magnitude of Damage: 24 meters
- Date Noticed: Nov. 12, 1990
- Degree/Period of Traffic Interruption: High
- Description of Disaster:

The spillway was damaged last Nov. 12, 1990 during typhoon "Ruping". Both approaches at 13.0m and 11.0m each were washed out.

3) Causes of Damage

- The spillway is too short thus scouring and washout of approach occurred.

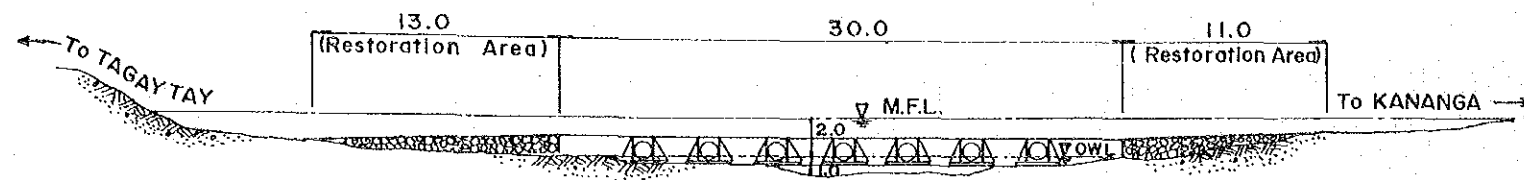


PROVINCE : LEYTE
 SPOT No. : L-90 (2/2)

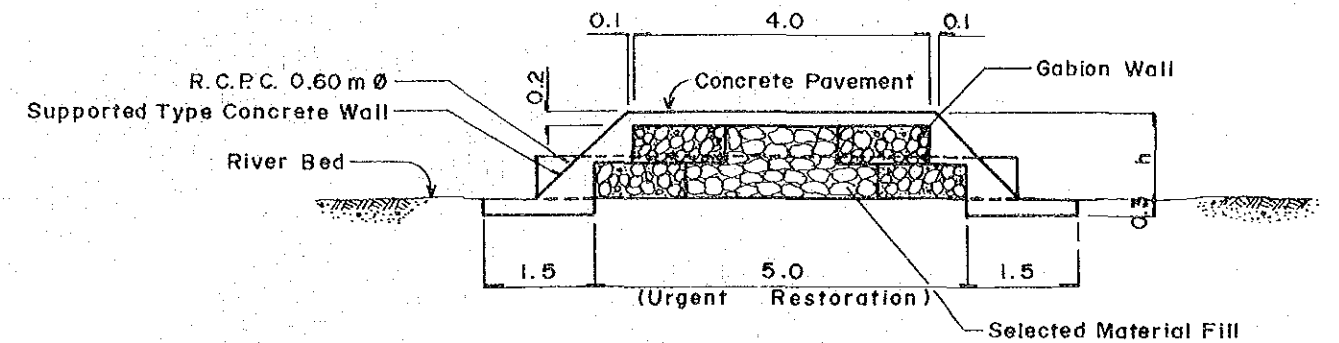
NAME OF ROAD : Jct. KANANGA - TAGAYTAY ROAD
 ROAD CLASSIFICATION : PROVINCIAL ROAD

TYPE OF DISASTER : SPILLWAY DAMAGE

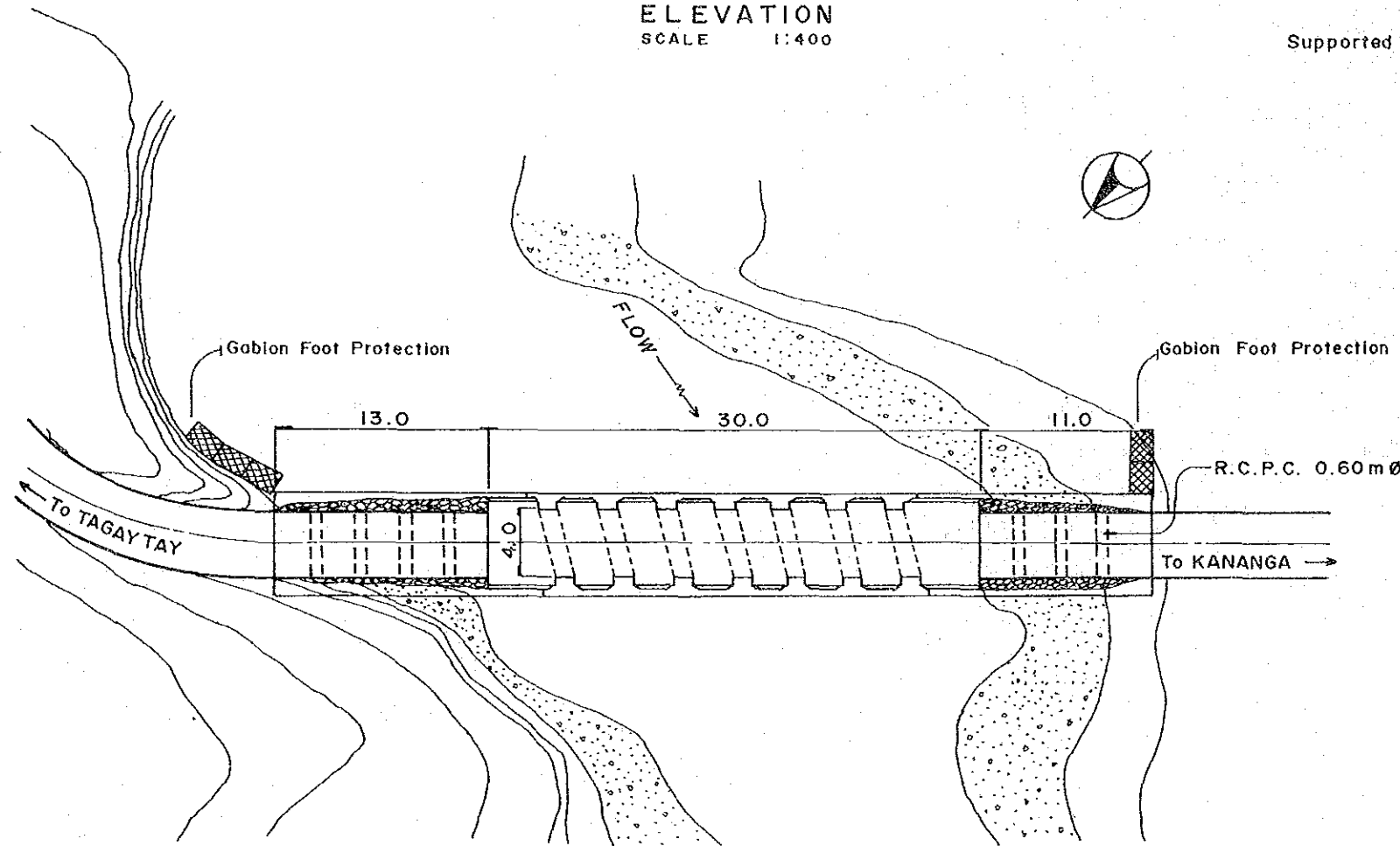
DRAWING NO.
 170



ELEVATION
 SCALE 1:400



CROSS SECTION
 SCALE 1:100



P L A N
 SCALE 1:400

TYPE OF WORK		UNIT	TOTAL
PERMANENT RESTORATION			
P6-6	SUPPORTED TYPE CONCRETE WALL	CU. M.	25
P16-1	GABION FOOT PROTECTION	CU. M	12
P19-3	CONCRETE PAVEMENT	CU. M	20
P 2-4	RCPC 0.60 m	L. M.	45
URGENT RESTORATION			
U1-5	SELECTED MATERIAL FILL	CU. M	25
U4-2	GABION WALL	CU. M	25

URGENT RESTORATION :

- Gabions and compacted selected materials (200 - 300 mm Ø).

PERMANENT RESTORATION :

- Concrete Cover.

