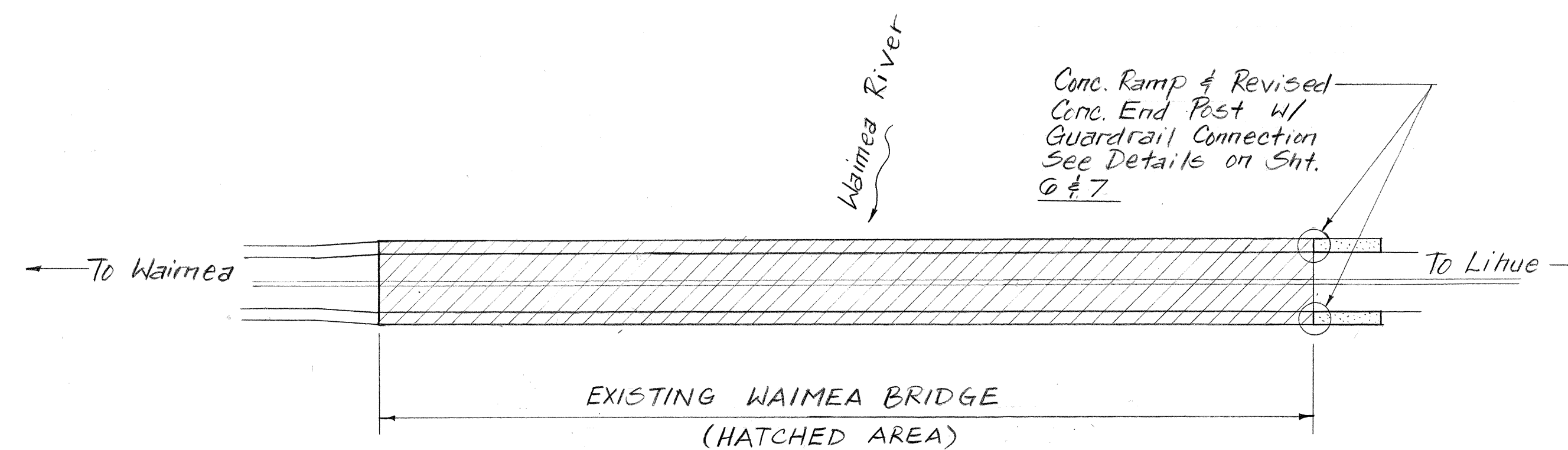


GENERAL NOTES:

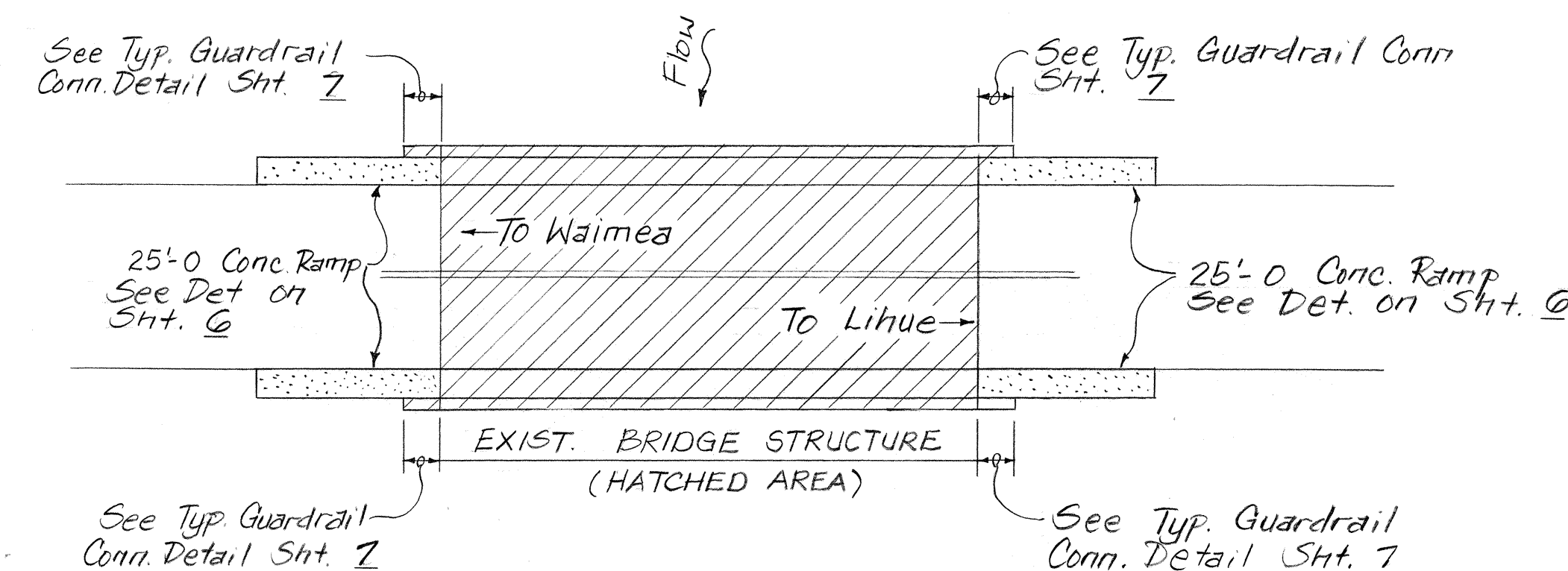
1. Scope of Work: The project consist of removing existing guardrails and post, constructing concrete ramps, and installing new guardrails and post, various end anchorages, terminal sections and reflector markers with post.
2. See Standard Specifications for Road and Bridge Construction (Hawaii 1985) and Special Provisions.
3. All anchor bolts shall be high strength conforming to the requirements of ASTM A325.
4. "Terminal Connector" shall be fabricated from 10 gauge steel conforming to the requirements of AASHTO M180.
5. All "terminal connector", anchor bolt, cap R, nuts, and washer shall be hot dipped galvanized.
6. First 25'-0" of guardrail adjoining "terminal connector" shall be galvanized steel and supports spaced as shown on detail drawing.
7. Anchor bolt length shall be such that a snug fit of the elements and full thread engagement plus 4" (max) is attained.
8. Heads of through anchor bolts shall be placed on the traffic side.
9. Drilling of through holes shall be done in such manner that will preclude cone puncturing of the daylighting end.
10. Large impacting or vibratory type of equipment will not be permitted in the removal operation of the designated items nor for drilling of holes.
11. Any damage to the existing structures due to the Contractor's operation shall be repaired at his expense, to the satisfaction of the engineer.
12. The Contractor shall verify all dimensions in Field before Commencing with work.
13. The Contractor shall verify the location of all existing utility lines near structures and notify their respective owners before Commencing with work.
14. No material shall be stockpiled or equipment parked within the Highway Rights of Way except at locations designated by the Engineer.
15. All depressions and holes resulting from the removal of existing concrete and wood posts shall be properly backfilled and compacted. Payment for this work shall be considered incidental to Items No. 606.3110.
16. No open section of guardrail will be permitted after daily work ceases. All existing and new guardrails to be functional during non-working hours.
17. Construction of ramp. Construction of ramp shall generally conform to the requirements of Section 608-Sidewalk, of the Standard Specifications.
 - a. Ramp concrete, including the reinforcement, shall be paid for on a cubic yard basis.
 - b. Removal of existing concrete and required excavation shall be incidental to ramp concrete.
18. The end post build-up for Waimea Bridge, including guardrail connections, will be paid for on a lump sum basis, which price shall include all labor, materials, tools, equipment and incidentals necessary to complete the work.
19. The work necessary to connect guardrail to concrete end post will be measured and paid for in units of one, which price shall include all labor, materials, tools, equipment and incidentals necessary to complete the work.

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	50BC-01-89	1990	3	7



WAIMEA BRIDGE PLAN

Scale: 1" = 50'-0"

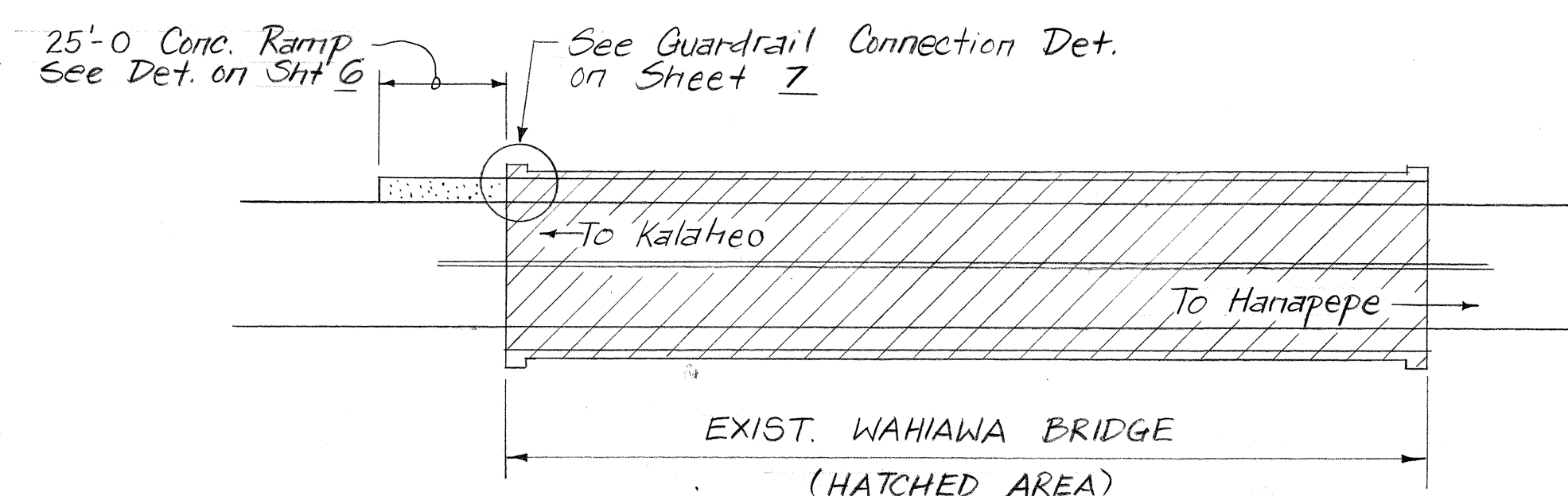


TYPICAL LAYOUT PLAN

FOR

MAHAIKONA, AAKUKUI, & MAHINAULI BRIDGES

Scale: 1" = 20'-0"



WAHIAWA BRIDGE PLAN

Scale: 1" = 30'-0"

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL NOTES & PLANS

KAUAI HIGWAY
GUARDRAIL IMPROVEMENTS AT
VARIOUS LOCATIONS
WAHIAWA BRIDGE TO WAIMEA BRIDGE
PROJECT NO. 50BC-01-89

Scale: As Shown Date: June, 1989

SHEET No. 1 OF 1 SHEETS