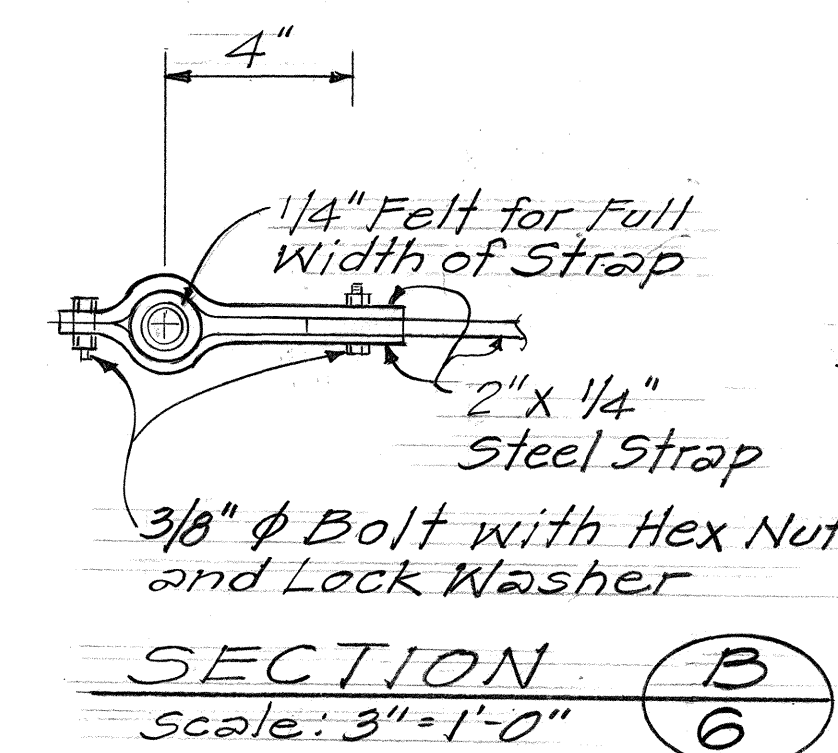
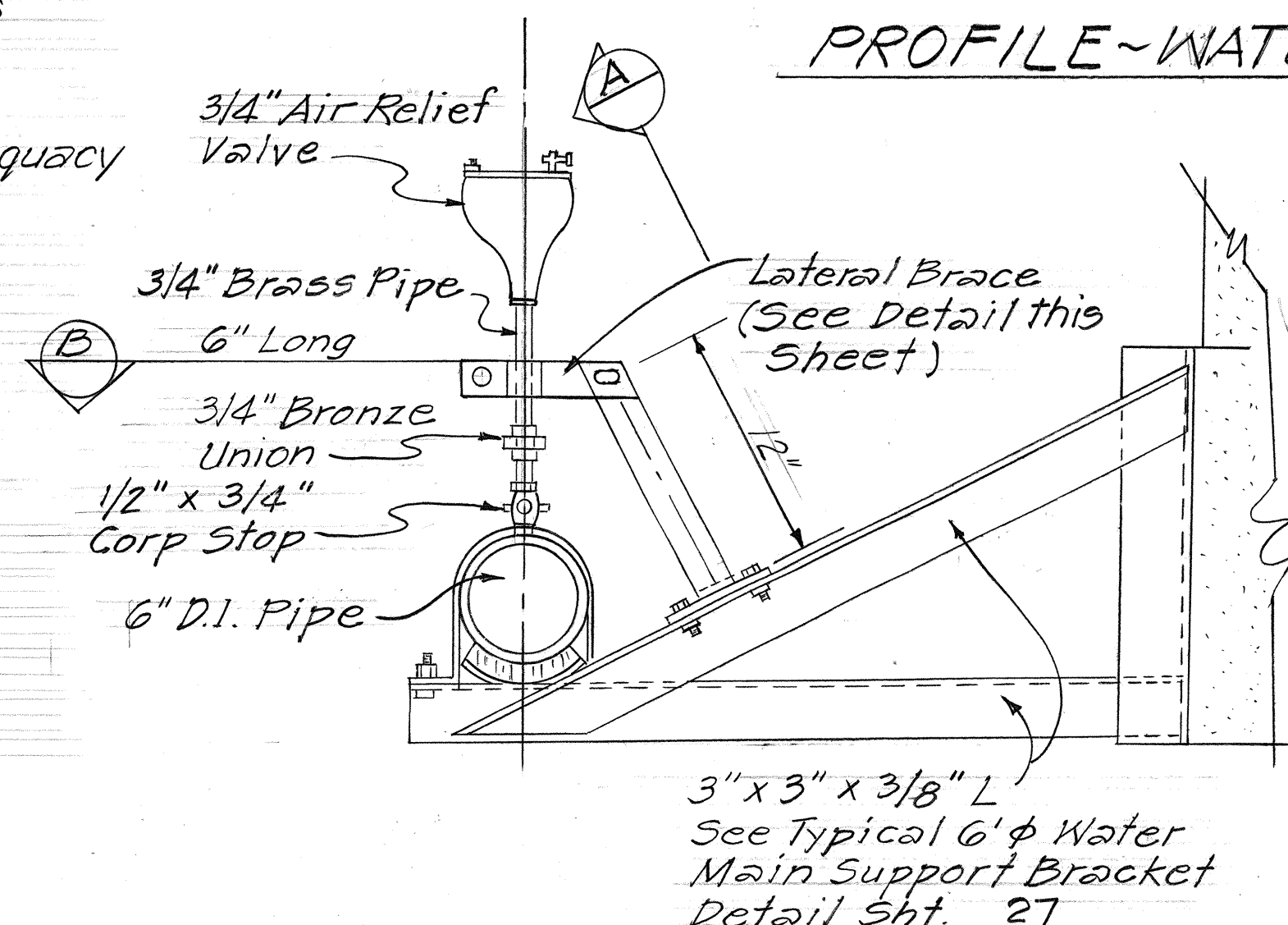
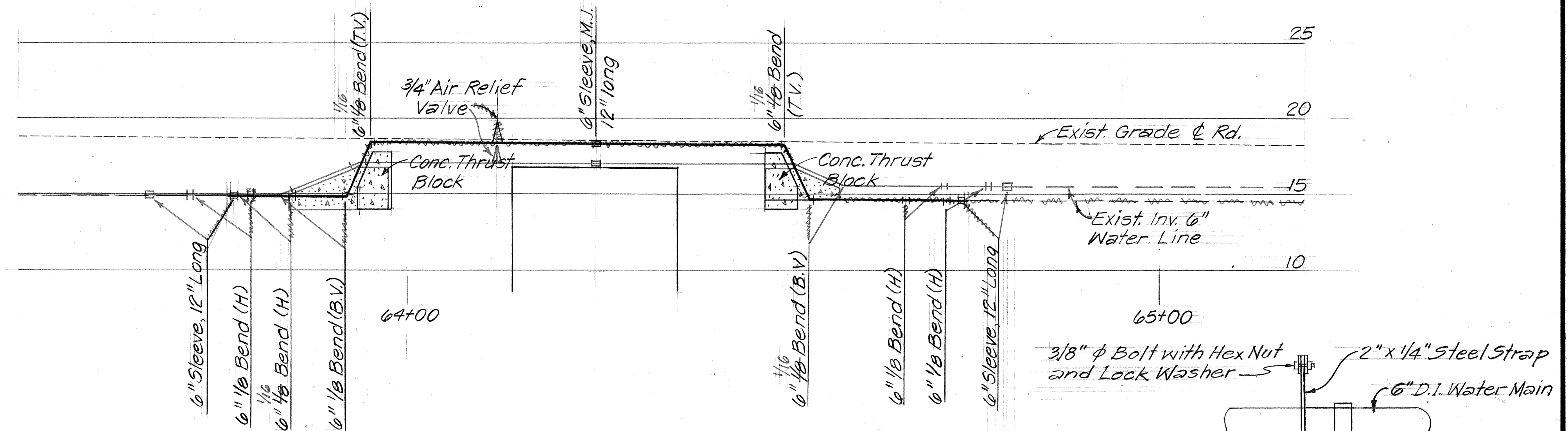
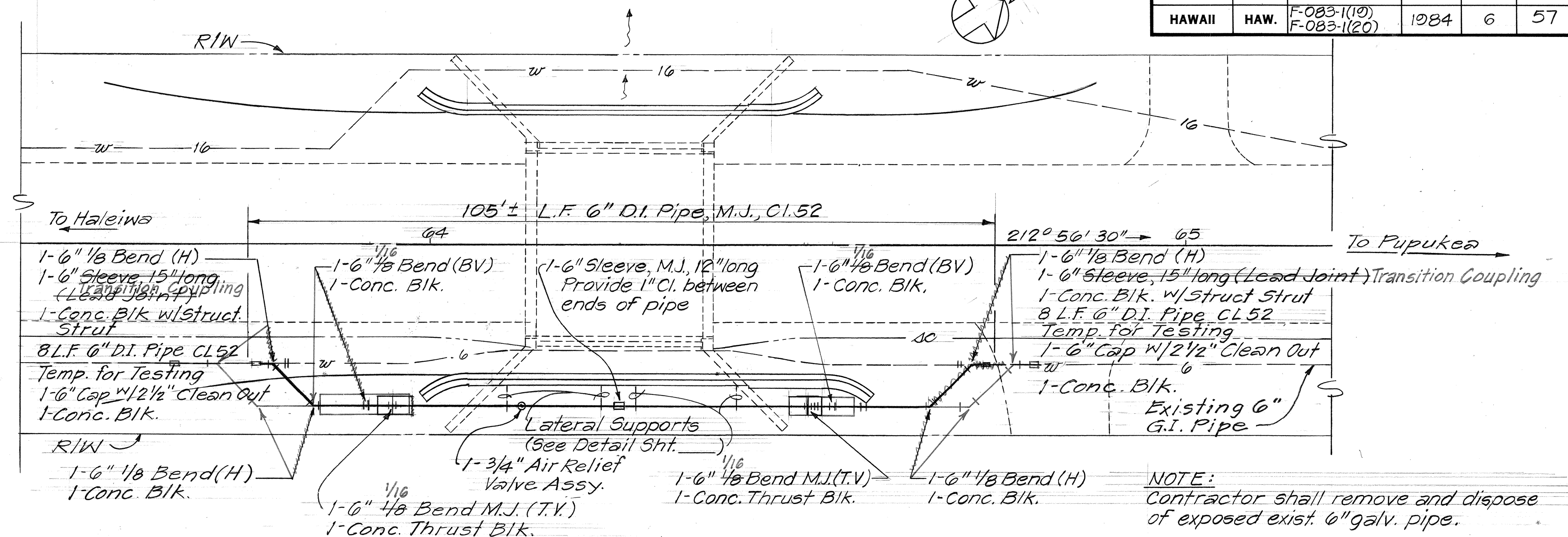


WATER NOTES:

- Unless otherwise specified, all materials and construction of water system facilities and appurtenances shall be in accordance with the Standard Specifications for Road and Bridge Construction, dated 1976, as amended, of the Hawaii Highways Division, Department of Transportation.
- Prior to excavating for new drain, sewer, and other utility lines, the Contractor shall verify in the field the location of existing mains and appurtenances. Where the installation of new drain, sewer, or other utility lines are to cross over or under existing water mains, the Contractor shall expose the existing water mains prior to trenching. Excavation around water mains shall be done by hand.
- The Contractor shall notify the Board of Water Supply one week prior to commencing work on the water system by calling Jerry Martin at 455-9588 and Planning and Engineering, Construction Section at 527-5205.
- The existence and location of underground utilities and structures as shown on the plans are from the latest available data but is not guaranteed as to the accuracy or the encountering of other obstacles during the course of the work. The Contractor shall be responsible and shall pay for all damages to existing utilities.
- Any adjustments to the existing water system including manholes, meter boxes and meters required during construction to meet requirements of BWS Standards, whether shown on the plans or not, shall be done by the Contractor. Payment shall be made by the State under applicable items of the proposal.
- The Contractor shall adjust all valve boxes and manhole frames and covers that are to be paved over with asphalt concrete. B.W.S. will initially mark all water manholes and valve boxes involved with this project. It shall then be the responsibility of the Contractor to identify, reference, pave over, and mark all BWS appurtenances. The identifying, referencing and marking of water facilities to be paved over shall be incidental to the various contract items.
- The B.W.S. Standard Details, Figures 1 to 62 inclusive, bound in the "Water System Standards" of the B.W.S. dated March 1977, as amended, are applicable to this Project.
- Approval by Board of Water Supply is based solely on the adequacy of the water supply.
- Brackets and lateral support shall be painted as follows:
Prime: Dupont #62-Y-001 Iron Polyurethane-Acrylic Primer or approved equal (5 mils DFT min.)
Finish: Dupont #326 Iron Polyurethane Enamel or approved equal (2 mils DFT min.)
- Test Pressure shall be 150 psi.
- All cast iron (gray or ductile) pipes, fittings, and valves shall be enclosed in plastic material in accordance with AWWA Specifications C105-82 "Polyethylene Encasement for Gray and Ductile Cast Iron Piping for Water and Other Liquids."
- In the event that water mains other than D.I. is to be used, the plans shall be resubmitted for approval.



SECTION A

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION					
WATER NOTES AND DETAILS KAMEHAMEHA HIGHWAY RESURFACING UNITS 1 & 2					
F.A. PROJ. NOS. F-083-1(19) & F-083-1(20)					
Scale: As Noted Date: Feb. 1984					
SHEET NO. OF SHEETS					

APPROVED: Date 3-22-84
R. Wright
Chief, Planning & Engineering, BWS