

NOTES:

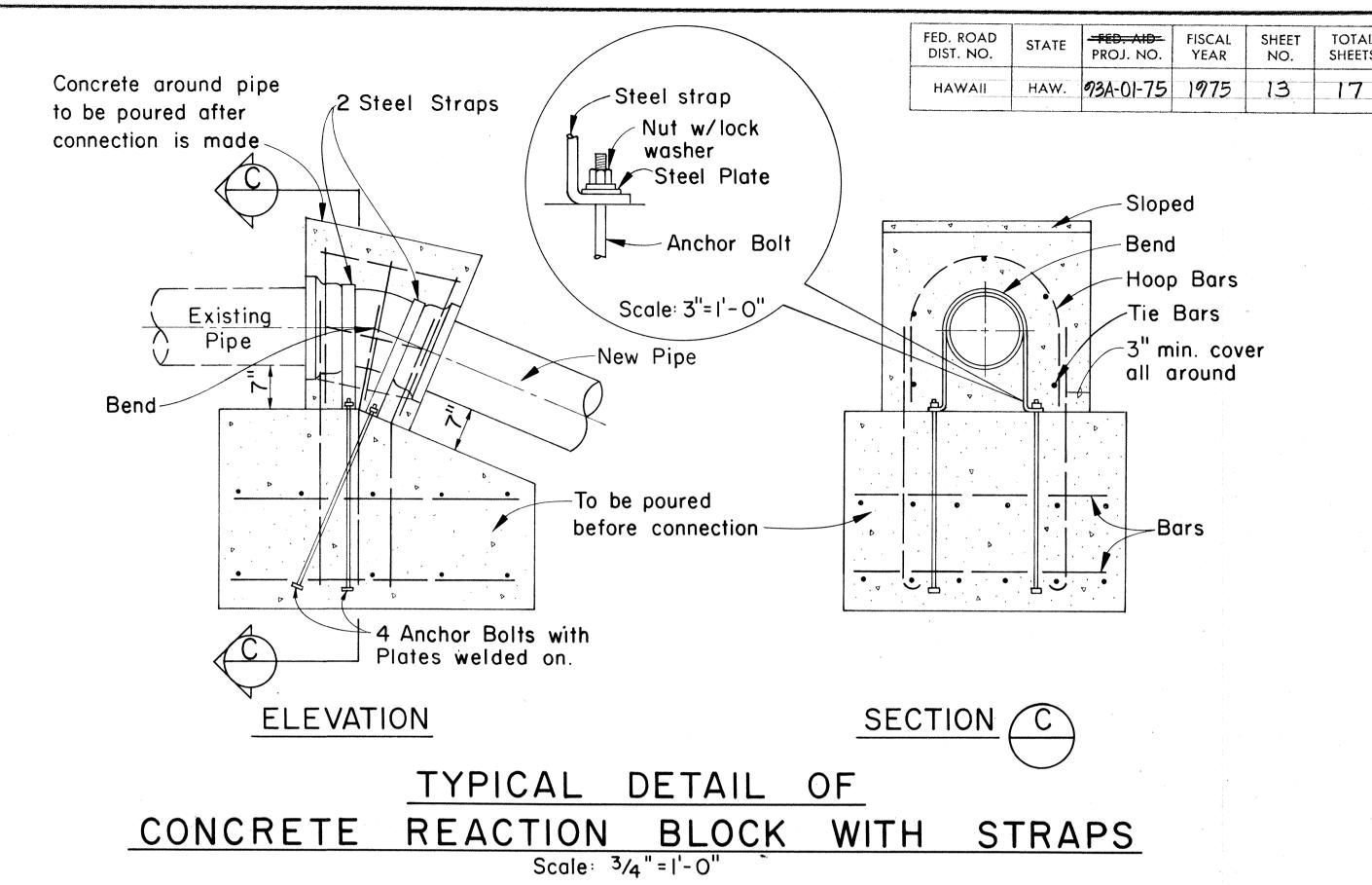
- I. Jacket to be poured after completion of test unless otherwise approved by the Engineer.
- 2. 2 1/2" depth of lead for lead joint pipe required at all embedded joints.
- 3. Wherever construction joints are required, 6" rubber or neoprene waterstops shall be installed. Waterstops shall be of the type specified and manufactured by the Servicized Products Corporation, Gate Rubber Company or approved equal.

REINFORCED CONCRETE JACKET

Scale: Not to Scale

FIGURE 17

ELEVATION



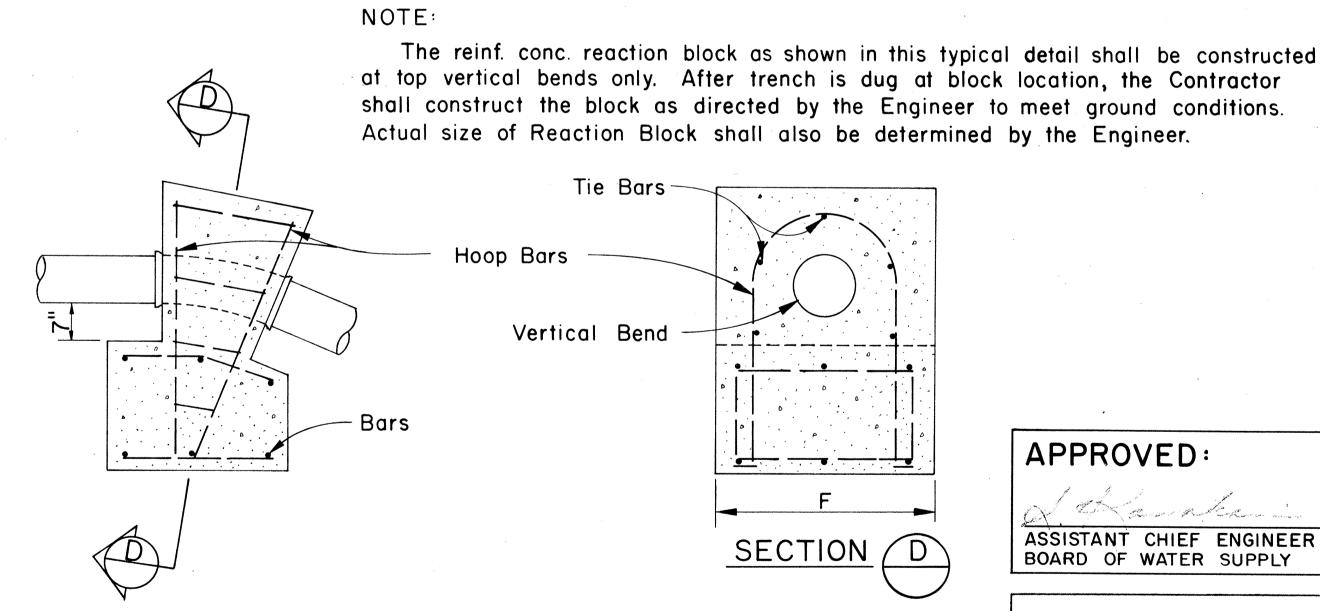
GENERAL NOTES (FOR FIGURES 20 & 21)

Detail drawings of actual blocks to be used, shall be furnished during construction by B.W.S. and or state.

2. Steel straps, anchor bolts, nuts, washers, etc., furnished and installed by the Contractor will not be paid for directly, but shall be considered incidental to the various contract items for the water system.

3. Minimun cover over all reinforcing steel shall be 3 inches.

FIGURE 21



TYPICAL DETAIL OF REINFORCED CONCRETE REACTION BLOCK FOR TOP VERTICAL BENDS

Scale: Not to Scale

FIG

APPROVED: ASSISTANT CHIEF ENGINEER DATE

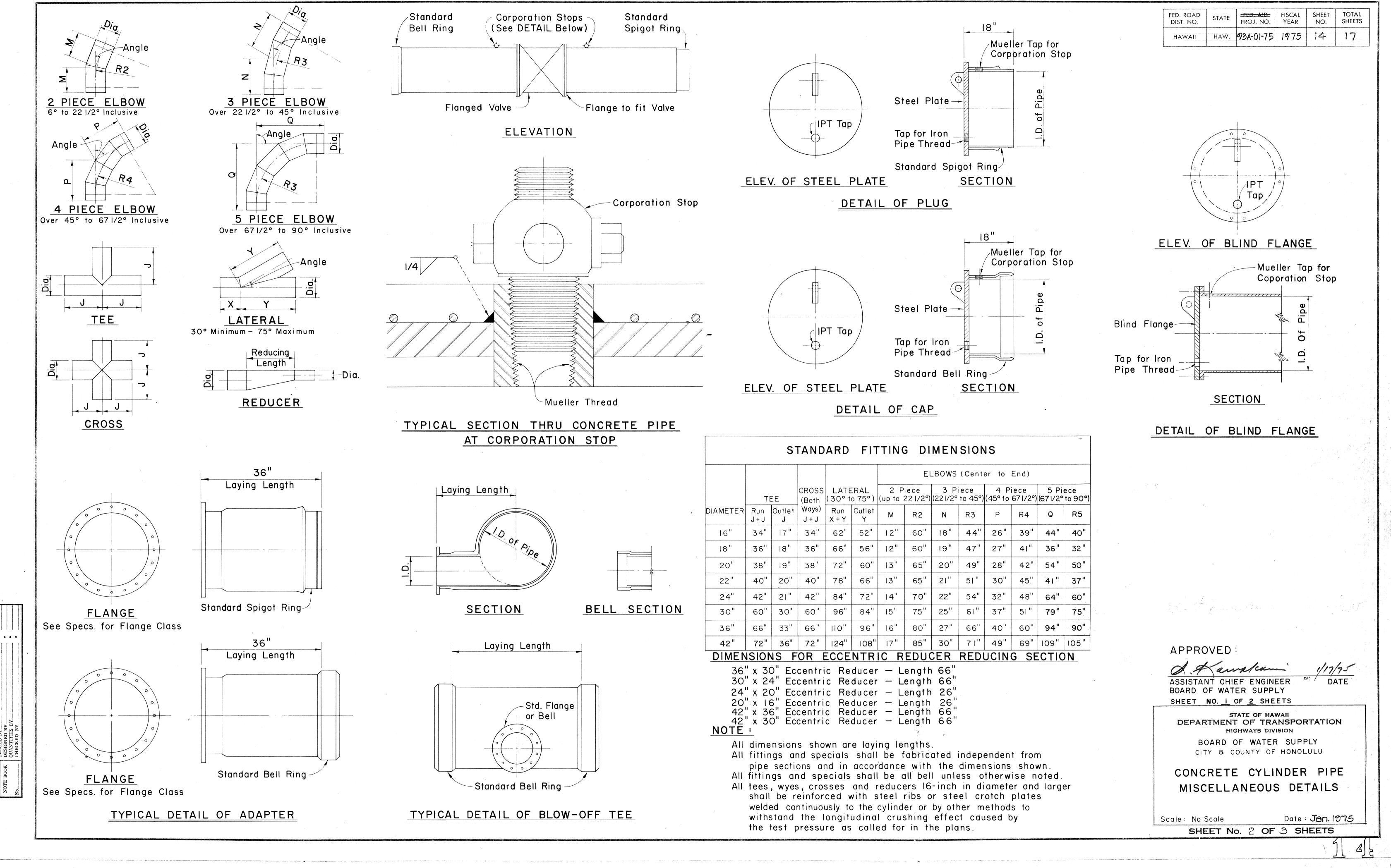
BOARD OF WATER SUPPLY

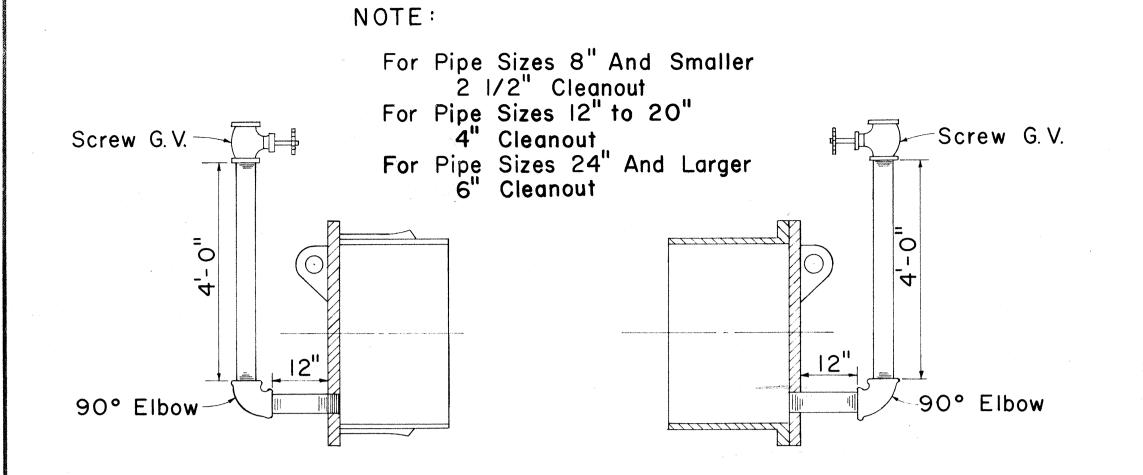
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION

STANDARD DETAILS

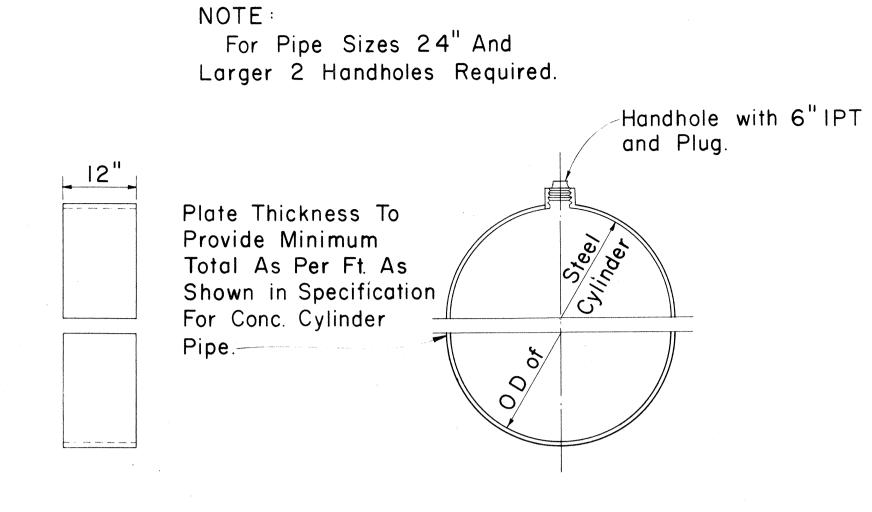
BOARD OF WATER SUPPLY

SHEET No. 1 OF 3 SHEETS

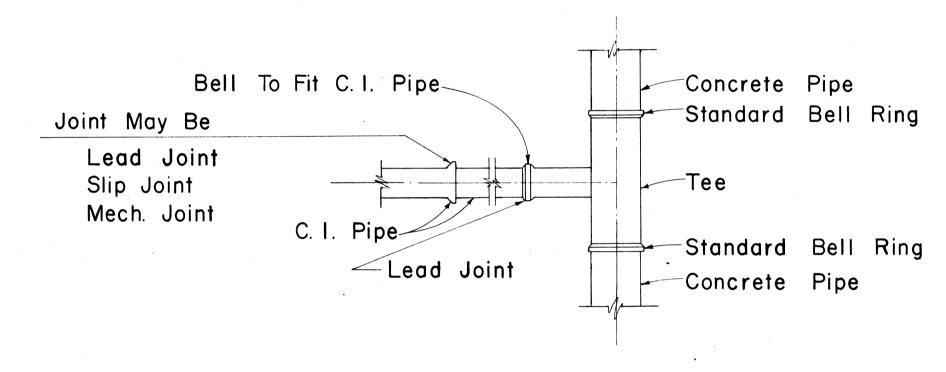


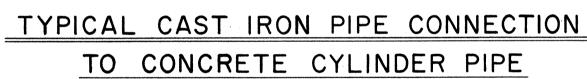


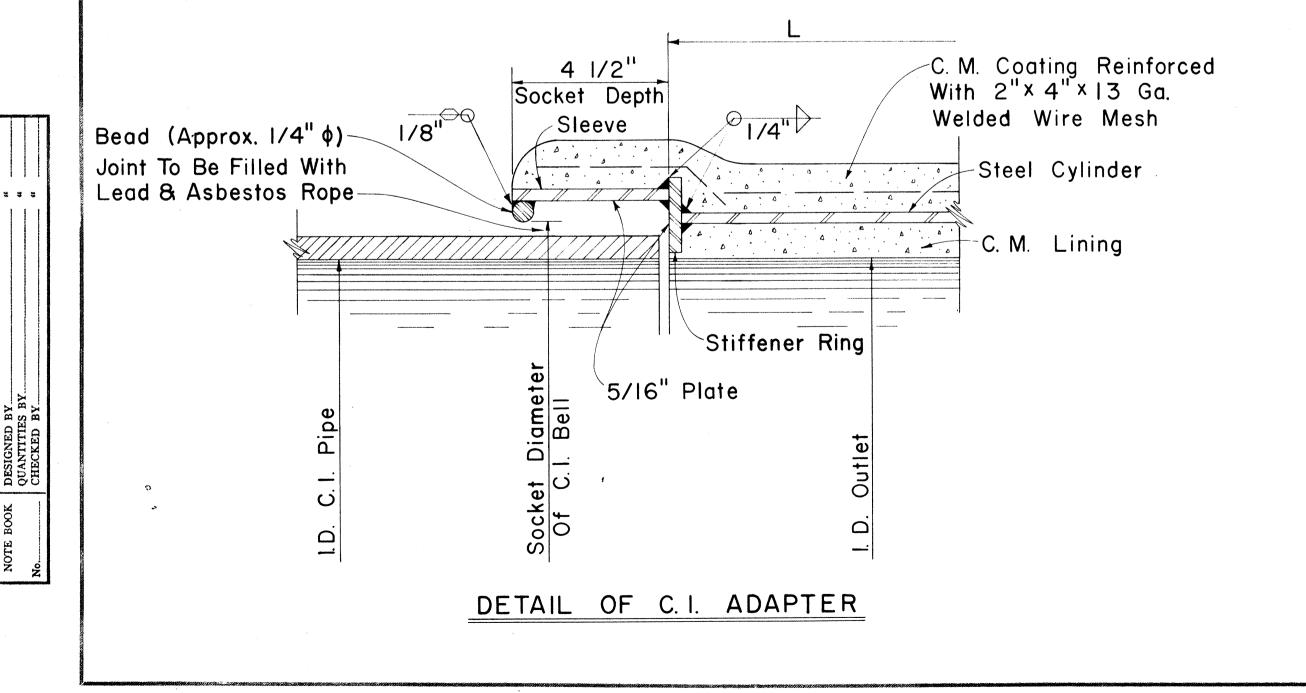
TYPICAL SECTION OF TEMPORARY CLEANOUT

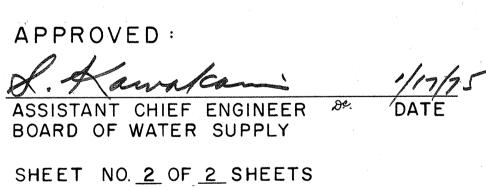


DETAIL OF SPLIT BUTT STRAP









CTATE OF HAWAII

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

BOARD OF WATER SUPPLY CITY & COUNTY OF HONOLULU

CONCRETE CYLINDER PIPE MISCELLANEOUS DETAILS

Scale: No Scale

FED. ROAD DIST. NO. FISCAL SHEET YEAR NO.

PROJ. NO.

HAW. 93A-01-75 1975 15

Date : Jan. 1975

SHEET No. 3 OF 3 SHEETS

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