

WATER NOTES

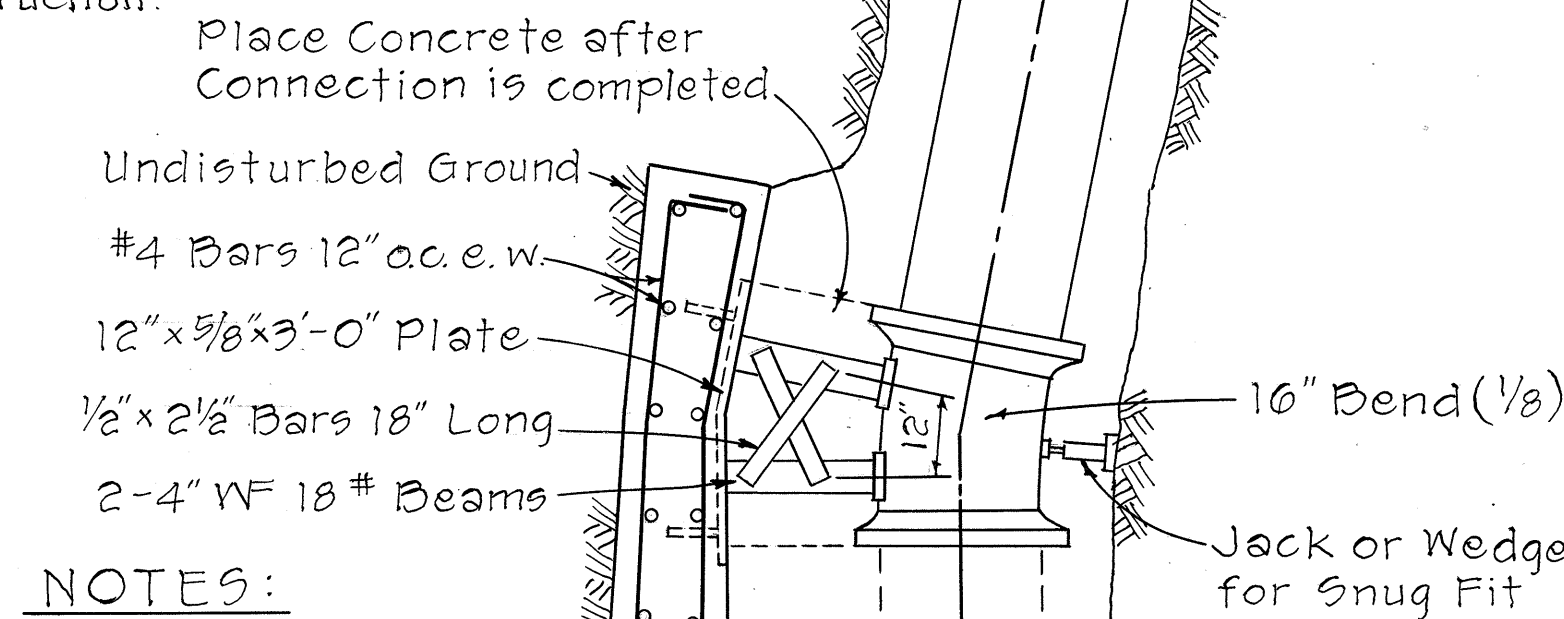
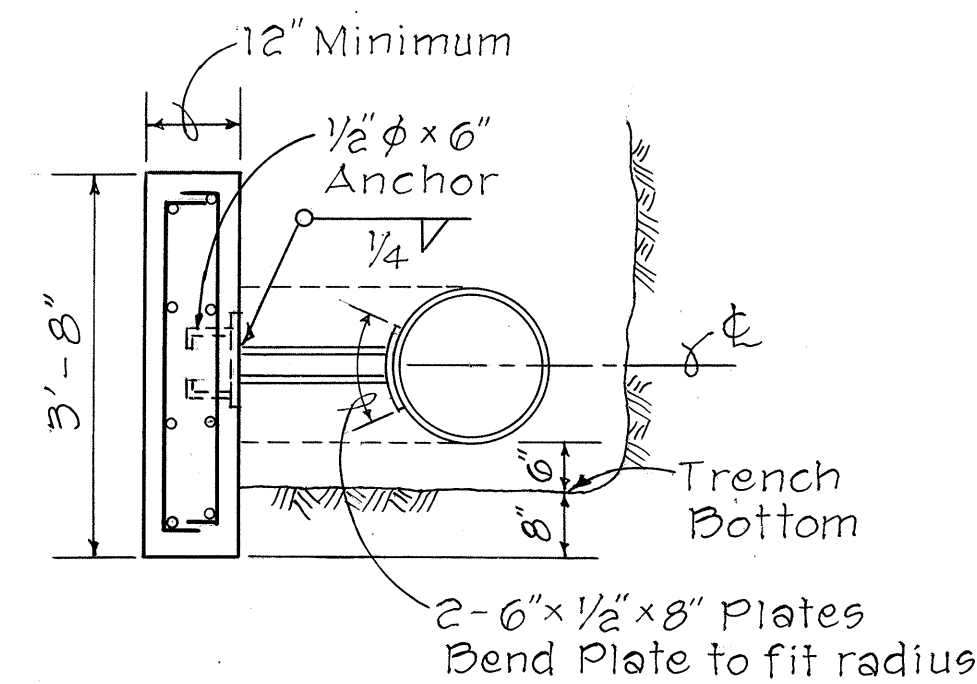
1. The Contractor shall notify the Board of Water Supply in writing one week prior to commencing work on the water system.
2. The locations of the existing waterlines shown are approximate only and are located from the best sources available. The Contractor shall check and verify the exact locations and depths. The existing pipes shall be exposed by hand excavation.
3. Other Utility lines shown are for the Contractor's convenience only. The installation of these lines are covered elsewhere in these plans.
4. All excavation and backfill shall be performed by the Contractor.
5. Any blasting work in the vicinity of the existing waterline shall be kept to a minimum. The Contractor will be held responsible for damage caused by blasting to the portion of waterline to remain.
6. An asterisk (*) indicates work to be performed by B.W.S. The materials shall be furnished by the Contractor.
7. The ends of abandoned water mains shall be plugged with Class "C-1" Concrete. Payment for this work shall be incidental to the various contract items.
8. Items indicated as "SALVAGE" shall be removed, cleaned and returned to the B.W.S. Kalihi Store Yard by the Contractor.
9. 16" C.I. Fittings shall be either Class "D" (Lead joints) or Class 150 (Mechanical Joints).
10. Where the waterline is installed along the cut slope of the roadway, the slope shall be protected with Grouted Rubble Paving. For detail see Sheet No. 22.
11. The Contractor shall allow B.W.S. crews and equipment access through the highway right of way for maintenance of their reservoir and pipelines during construction.

LEGEND

- W₁₆--- Existing Water Line (Sizes Indicated)
- W₁₆— New Water Line (Sizes Indicated)
- ⊙ New Water Valve Manhole
- #--- Cut and plug Existing Water
- UE, UT— New H.E. Co. and H.T. Co. Underground Duct Lines

APPROVED:

A. Hewekani 7/24/67
CHIEF, ENGINEERING DIVISION, B.W.S. DATE



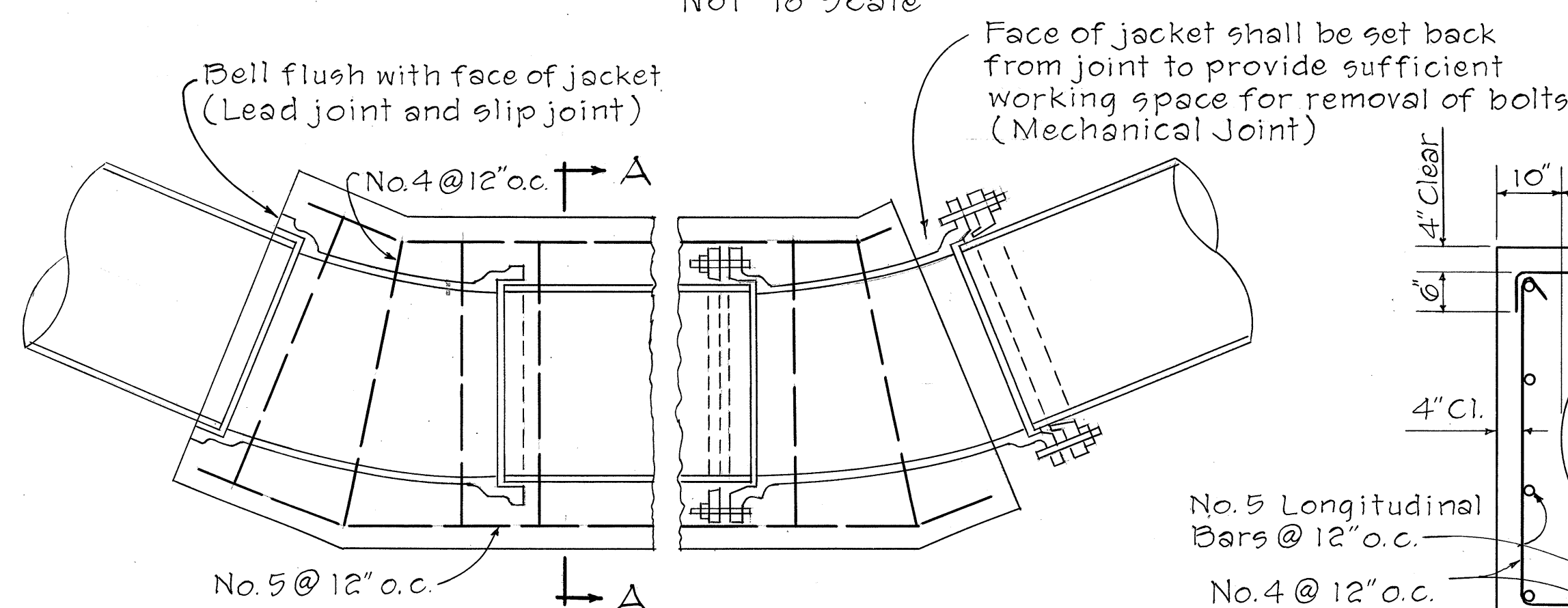
NOTES:

1. Minimum cover over reinforcing shall be 3"
2. Dimensions of conc. blocks to be furnished during construction
3. Cost of structural strut shall be incidental to concrete.

PLAN

DETAILS OF CONCRETE BLOCK WITH STRUCTURAL STRUT

Not To Scale

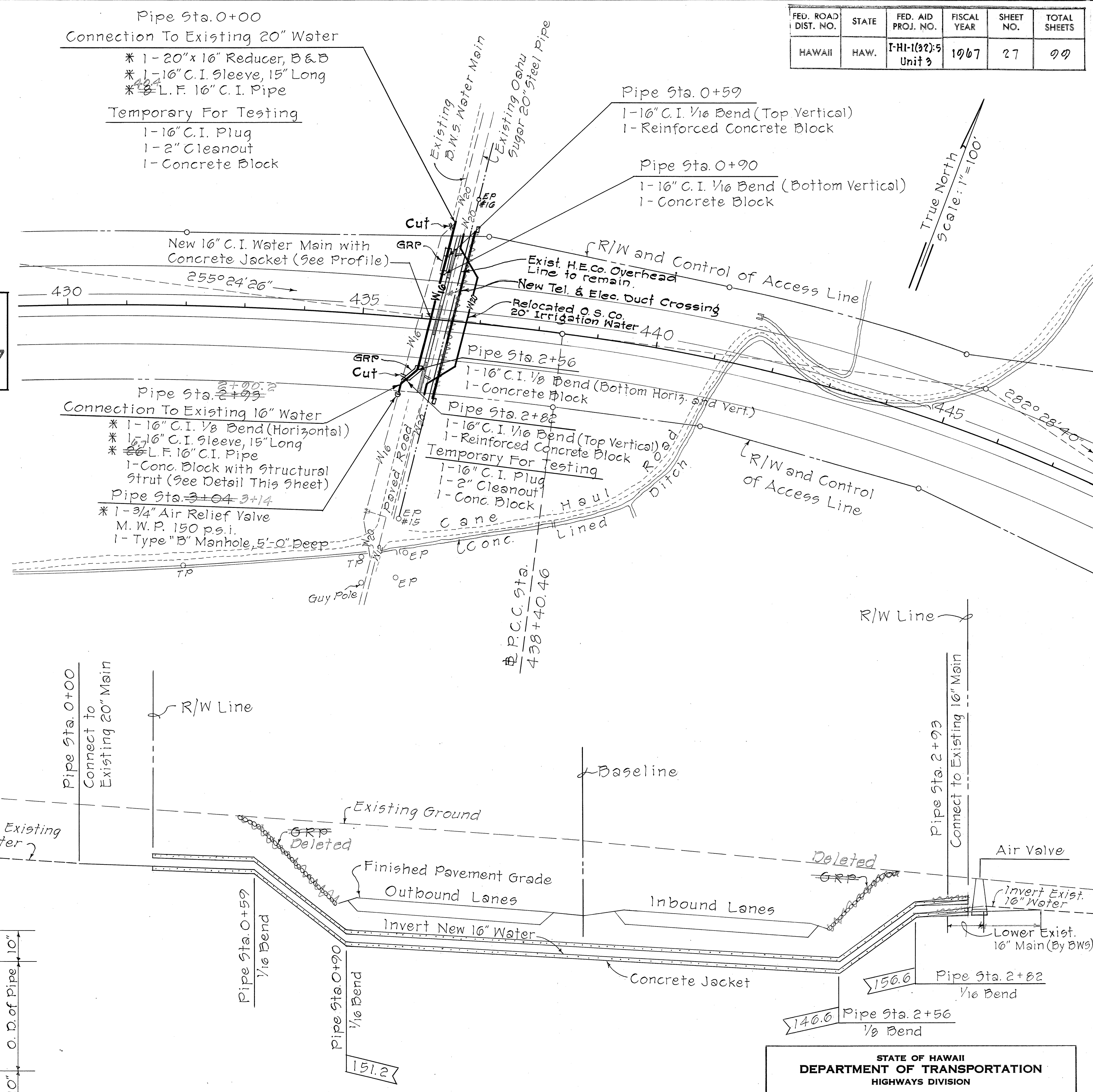


SECTION "A-A"

Jacket to be poured after completion of test. 2 1/2" depth of lead for lead joint pipe required at all embedded joints. Wherever construction joints are required 6" rubber or neoprene waterstops shall be installed. Waterstop shall be of the type specified and manufactured by the Servicized Products Corp., Gate Rubber Co., or approved equal.

REINFORCED CONCRETE JACKET

Not To Scale



PROFILE ~ WATERLINE CROSSING

BWS 16" MAIN AT BASELINE STA. 436+15±

Scales: Horiz. 1" = 20'
Vert. 1" = 10'
WATER SYSTEM

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(32):5 Unit 3	1967	27	99

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

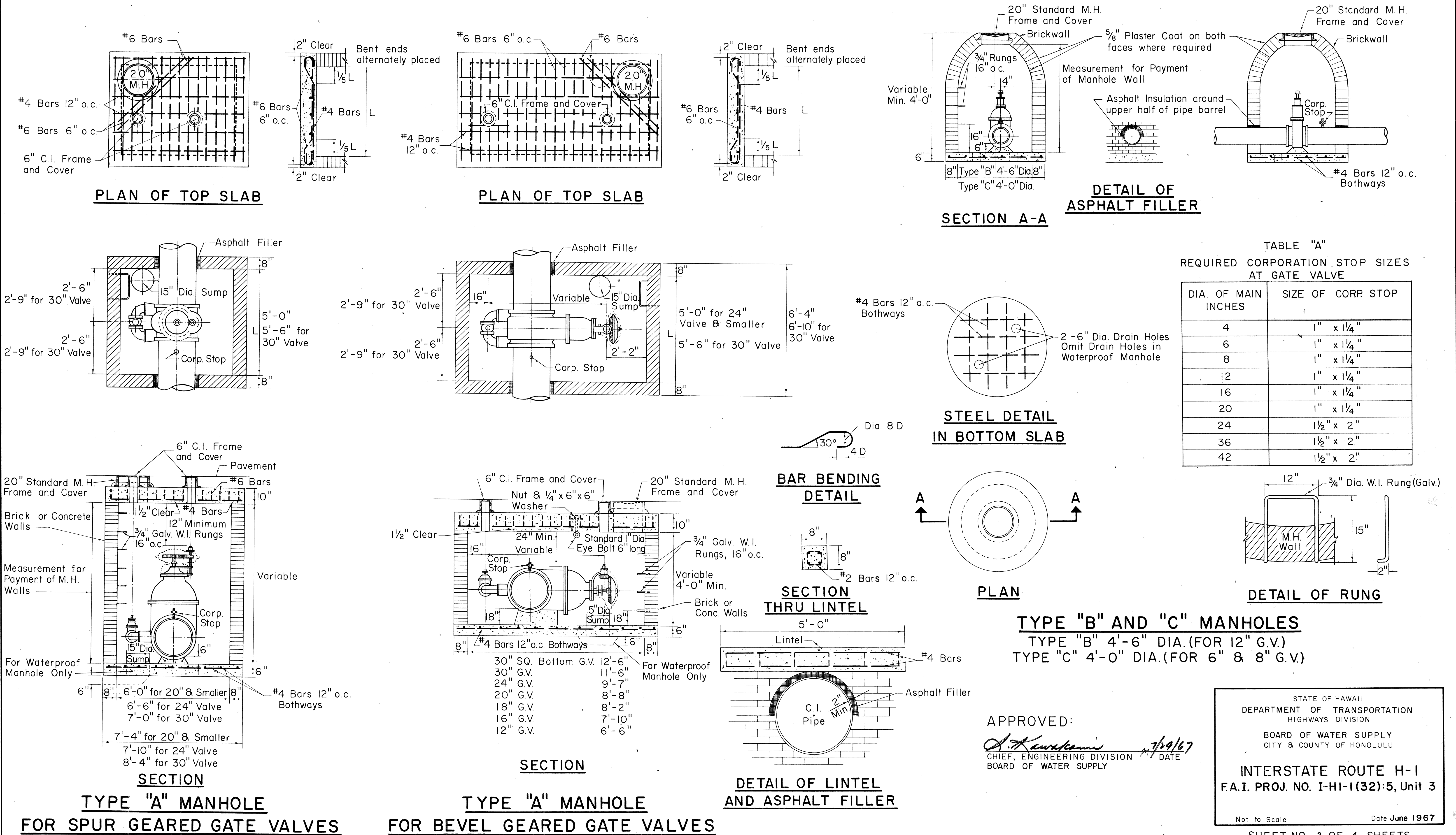
BWS 16" MAIN
AT STA. 436+15

INTERSTATE ROUTE H-1

F.A.I. PROJ. NO. I-HI-1(32):5, Unit 3

Scale: As Noted June, 1967

SHEET No. 2 OF 4 SHEETS



APPROVED:

 CHIEF, ENGINEERING DIVISION
 BOARD OF WATER SUPPLY

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
 BOARD OF WATER SUPPLY
 CITY & COUNTY OF HONOLULU
 INTERSTATE ROUTE H-1
 F.A.I. PROJ. NO. I-HI-1(32):5, Unit 3
 Not to Scale
 Date June 1967

