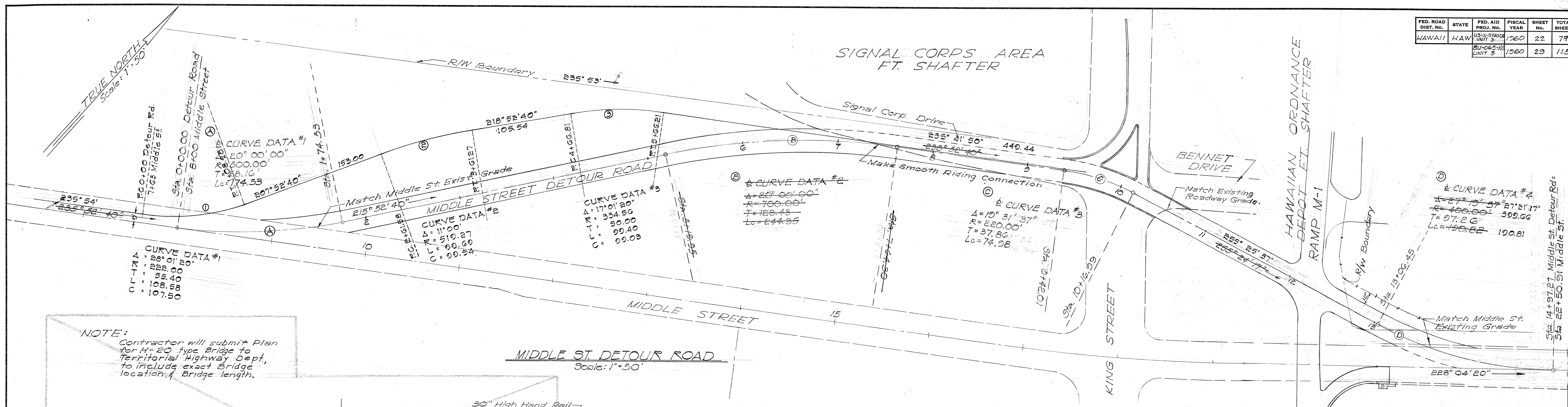
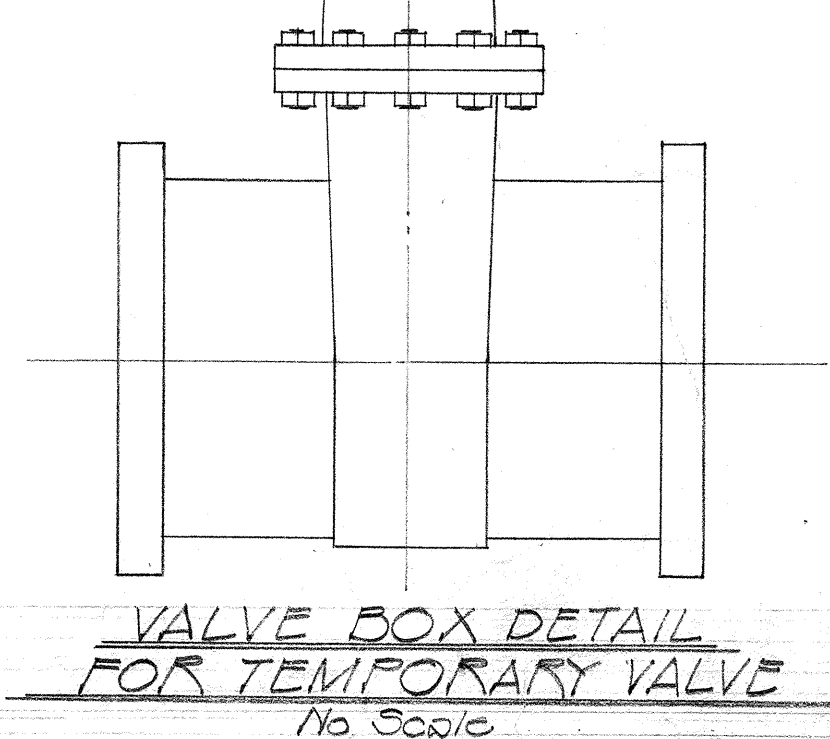
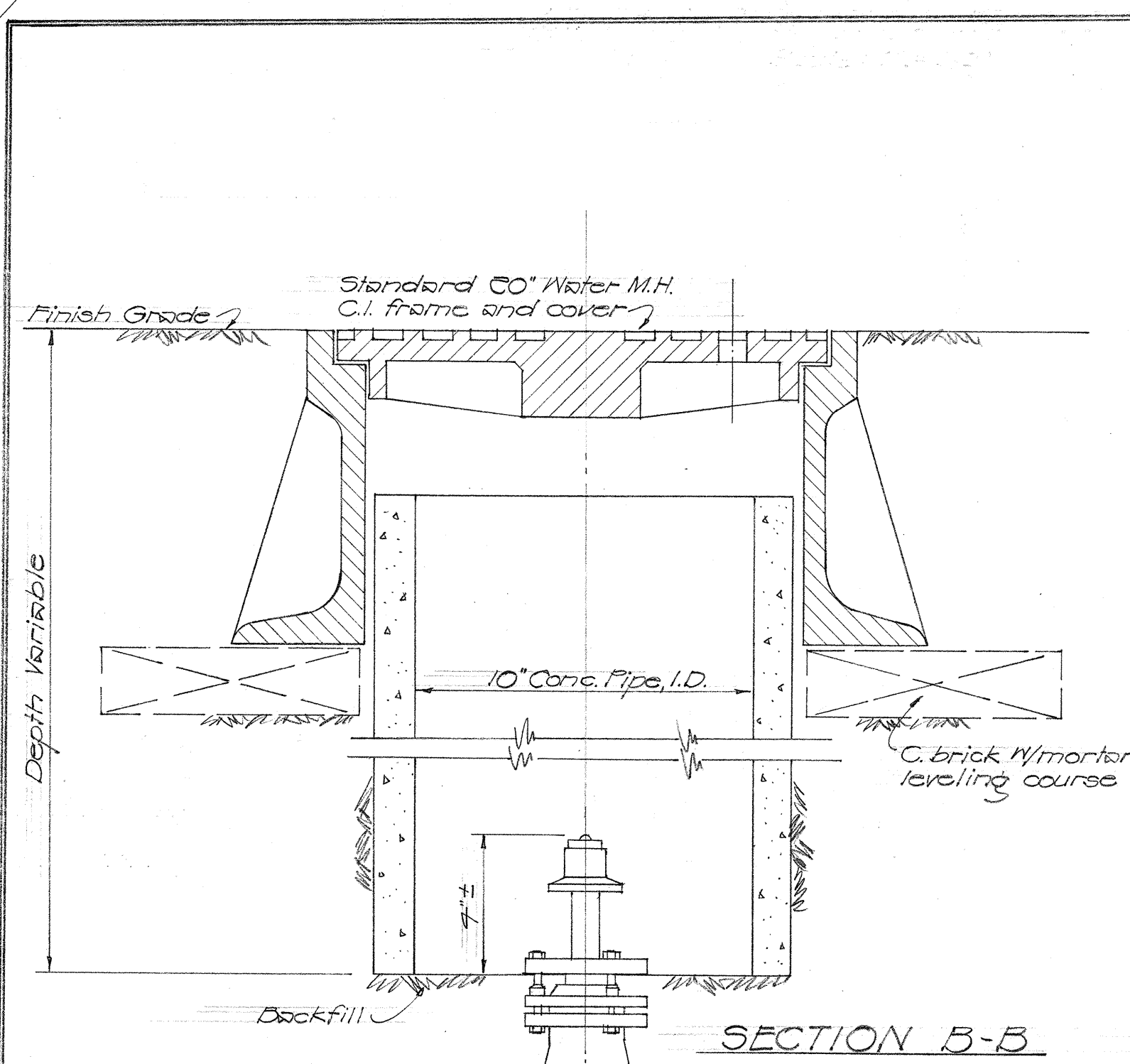
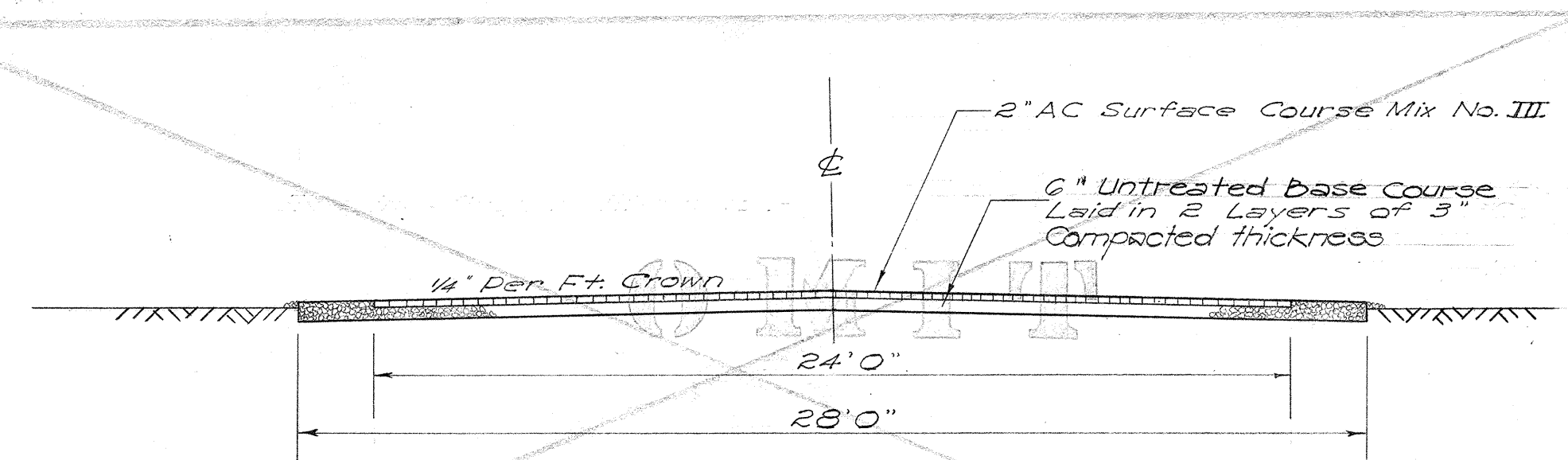
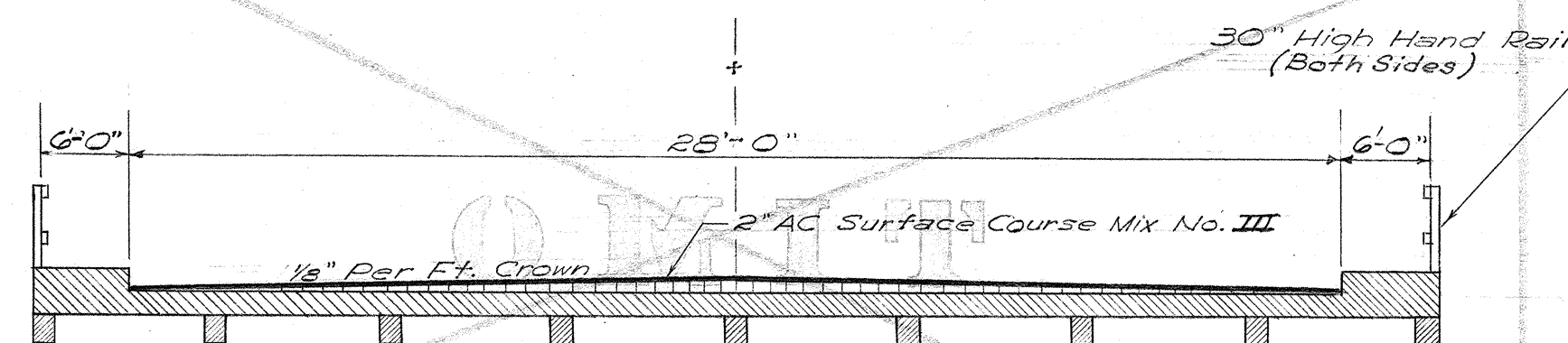


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	US-0720(3)	1960	22	79
		BU-065-10(1)	1960	23	115



NOTE:
Contractor will submit Plan for H-20 type Bridge to Territorial Highway Dept. to include exact Bridge location, Bridge length.

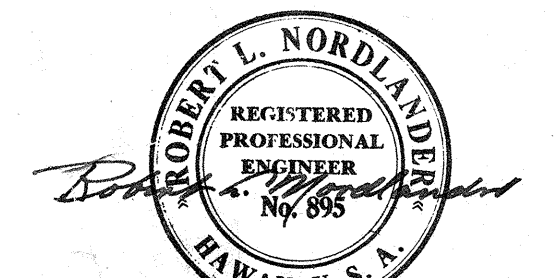


- Temporary 4" x 5" Water connection (to be done before start of construction Phase I) & cover over pipe required
- Materials required:**
 170 L.F. 4" Mechanical joint C.I. pipe
 1-4" 1/4 Bend M.J.
 6-4" 1/2 Bend M.J.
 4-Conc. blocks
 1-4" plug tapped for 1/2" pipe thread (M.J.)
 1-4" cap tapped for 1/2" pipe thread (M.J.)
 1-5' temporary cleanout
 6-4" Tee (M.J.)
 1-4"x3" reducer (M.J. & M.J.)
 1-3" connecting piece (M.J. & threaded)
 1-4" connecting piece (M.J. & P.E.)
 6-4" G.V. H.E. (150#) (Rouse)
 6-Temporary valve box

Construction Phase I
 Temp. location of 42" water line
 Construct 42" Water Line (detour) in conjunction with Construction Phase I of Structure C-D.
 260 Lin. ft. of 42" C.I. pipe required
 Construction Joint Sta. 10+15
Construction Phase II
 Temporary 4" mechanical joint C.I. pipe water service to be installed before Phase I
 Construct 42" Water Line in conjunction with Construction Phase II of Structure C-D

NOTE:
See Water Plan and Profile Sht. No. 3 of 5 for details.
This temporary line to be laid according to the standards of DWS and requires a minimum cover of 3 feet.

COORDINATED CONSTRUCTION OF 42" WATER LINE & STRUCTURE C-D
Scale: 1" = 50'



H. J. Finke 8/1/57
ASSISTANT CHIEF ENGINEER
BOARD OF WATER SUPPLY

BELT, COLLINS & ASSOC., LTD.
Civil and Structural Engineers

HAWAII STATE HIGHWAY DEPARTMENT
STATE OF HAWAII

MIDDLE ST. DETOUR RD. & TEMPORARY 42" WATER LINE (AT STRUCTURE "C-D")

MOANALUA ROAD US-9-0720(3) UNIT 3
MIDDLE STREET BU-065-10(1) UNIT 3

Sheet No. 41. DELETED
SHEET NO. 1 OF 1 SHEETS

SS 26.22

SI 61.29