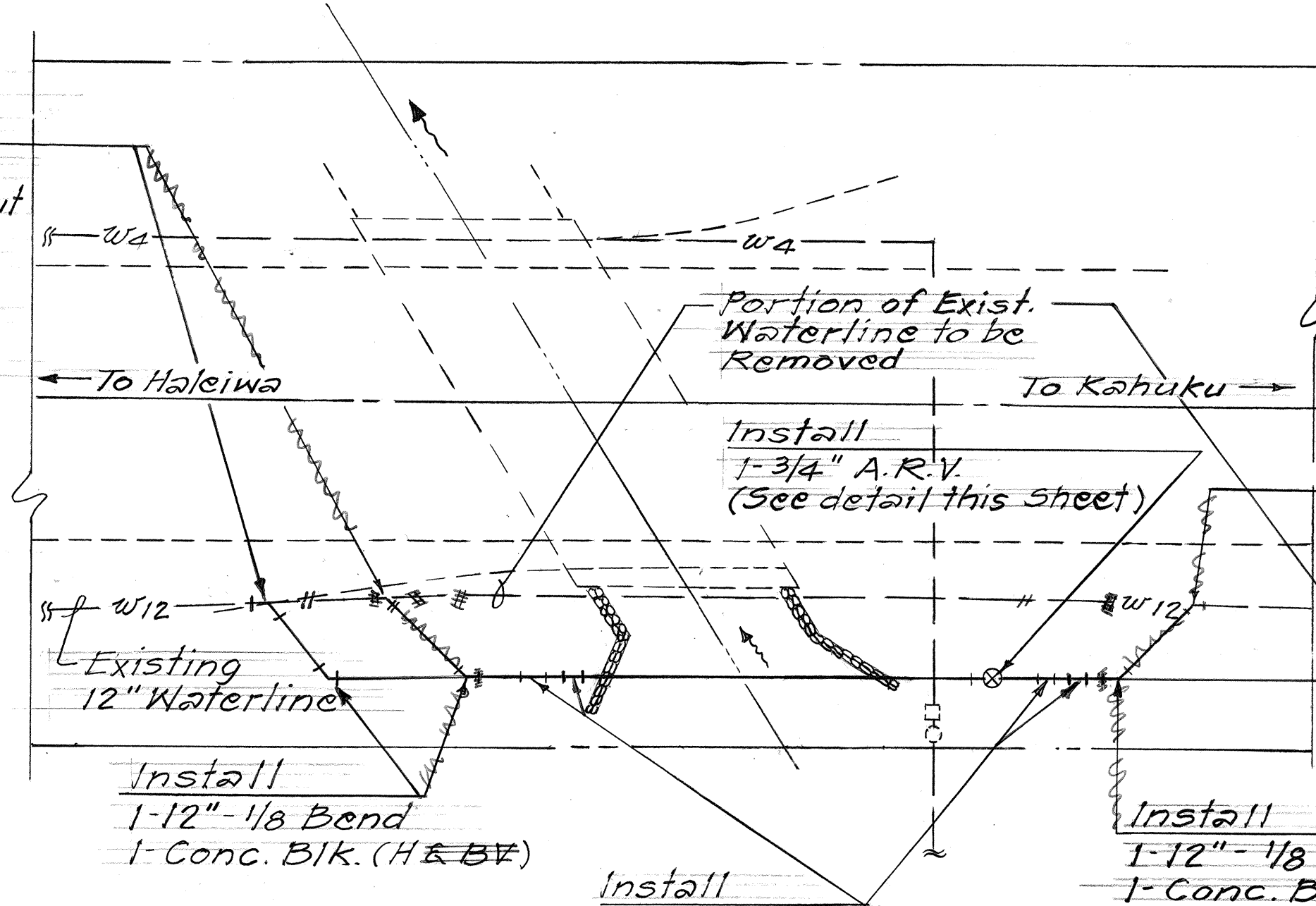


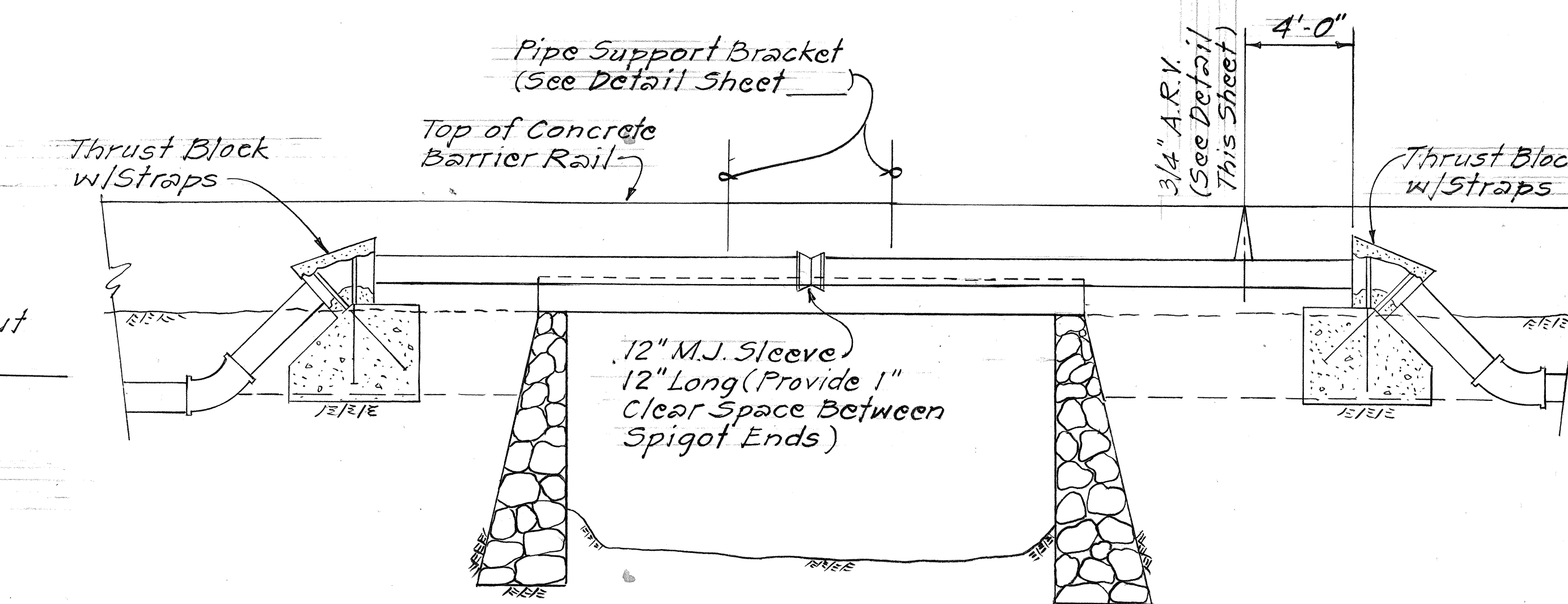
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	FR-083-1(18)	1983	10	40

Remove & Salvage Exist. 12"-
1/8 Vertical Bend
Install: 1-12"-1/8 Bend
1-Conc. Blk. w/Struc. Strut
Mat'ls. for Connection:
1-12" Sleeve, 12" long
8 L.F.-12" D.I.P., Cl. 52
Temp. for Testing:
1-12" M.J. Cap w/4" C.O.
1-Conc. Blk.



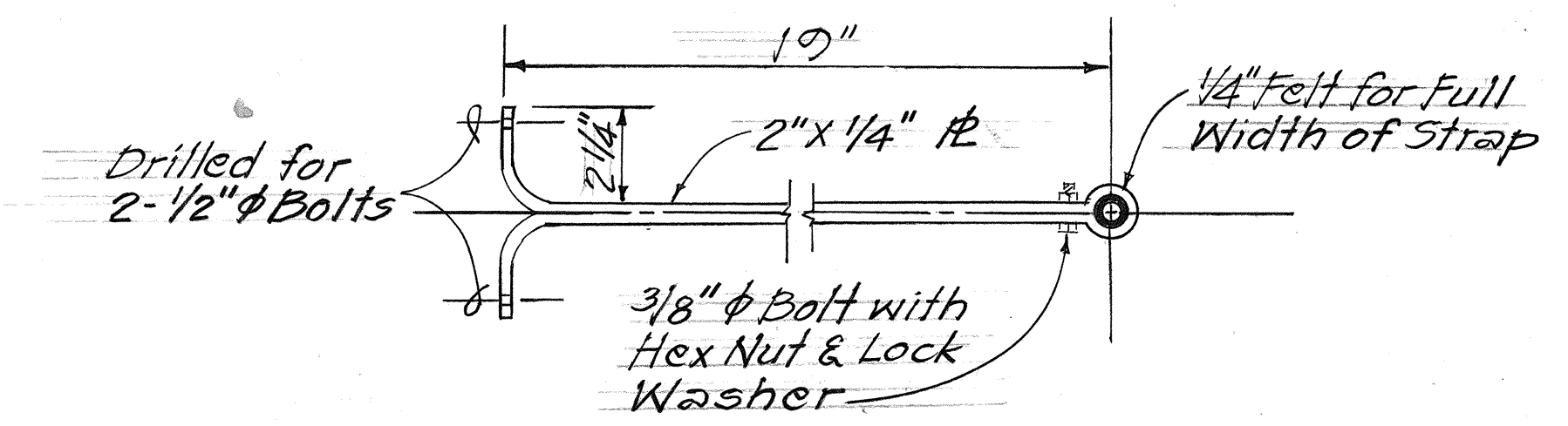
**PLAN-WATER MAIN RELOCATION
AT CULVERT-STA. 337+96**

Scale: 1"=10'
(C.C.O. #4)

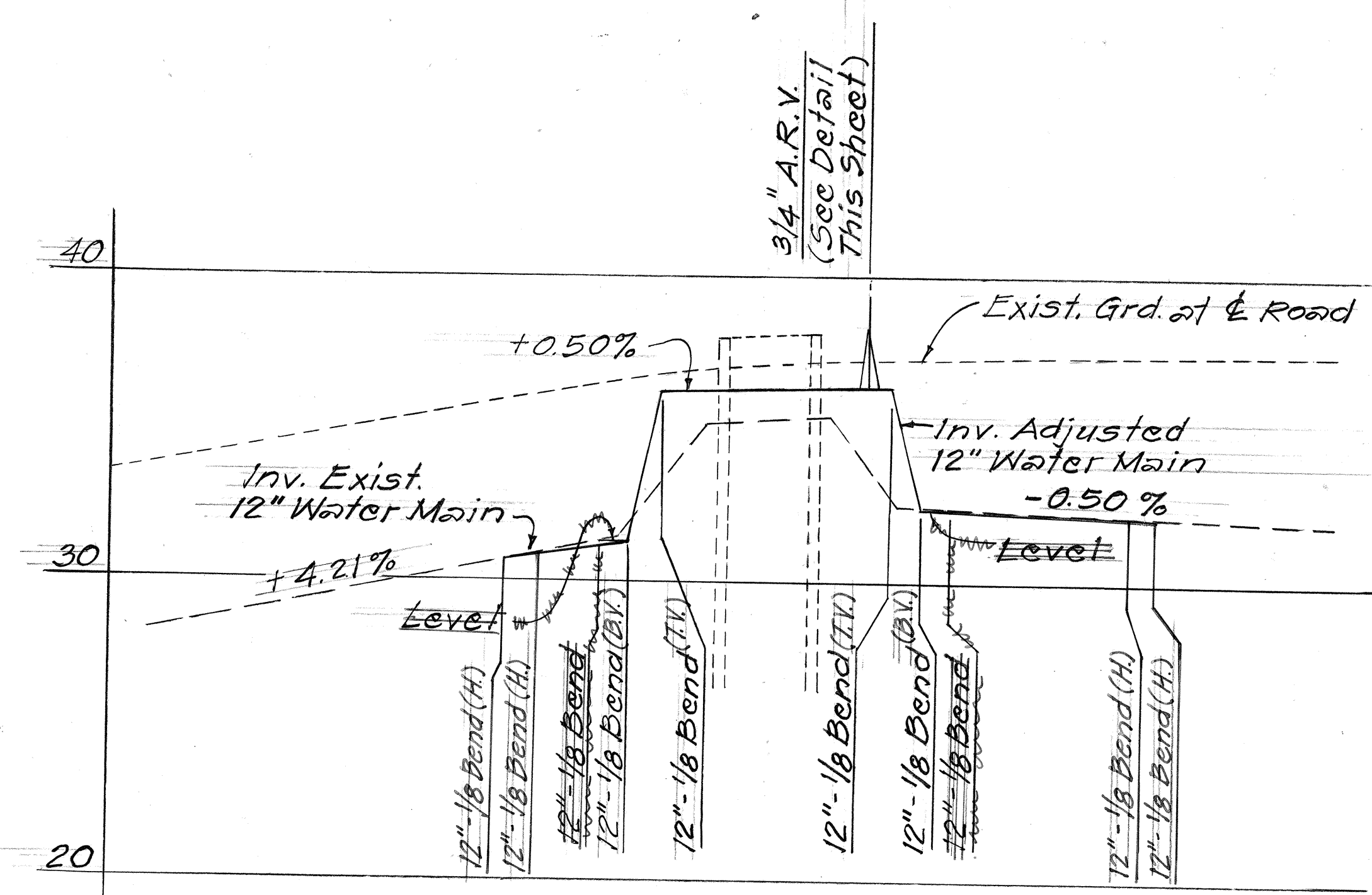


WATER MAIN CROSSING AT CULVERT-STA. 337+96
Scale: 1/4"=1'-0"

Note:
For Painting See Water Notes

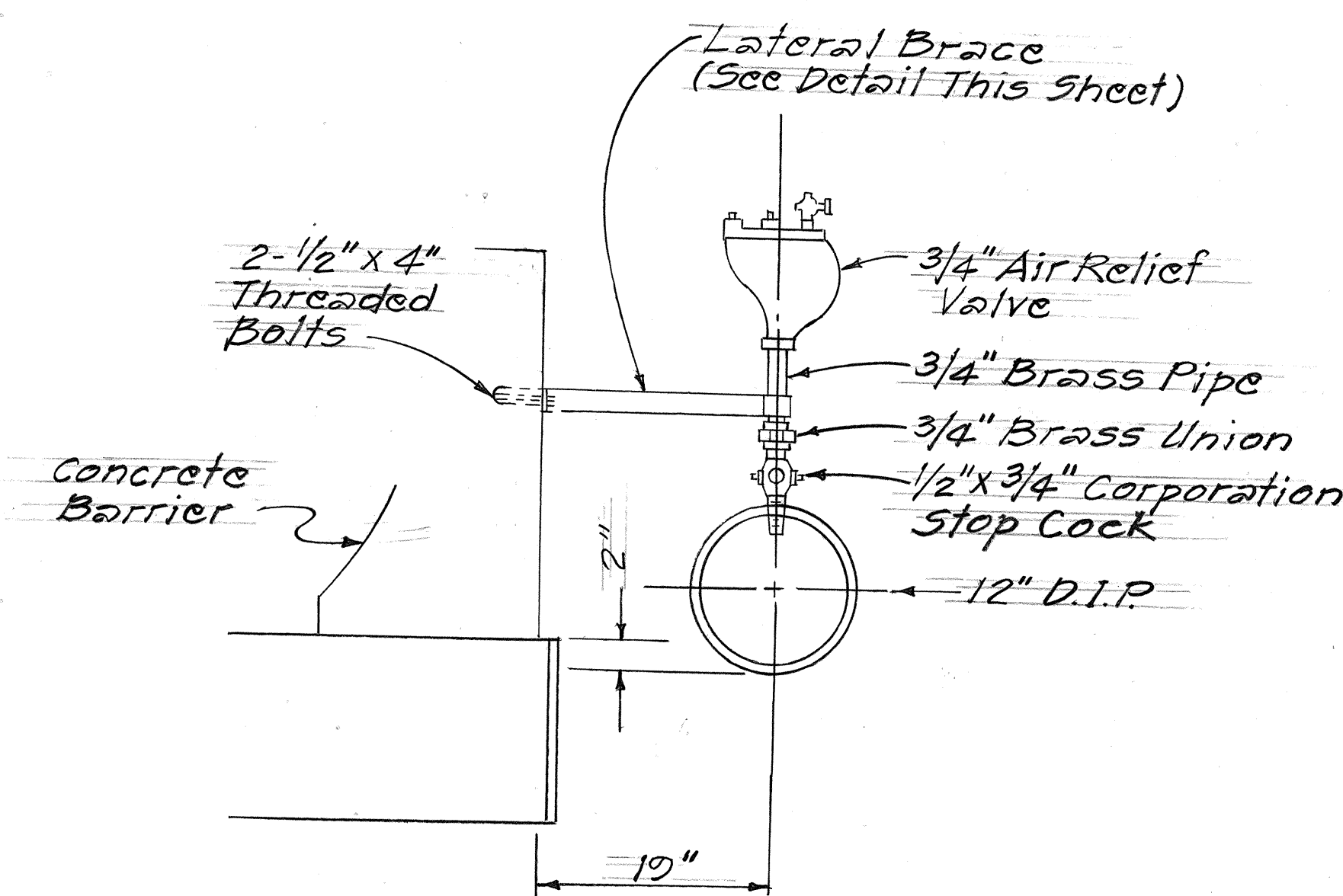


**DETAIL-LATERAL BRACE FOR
AIR RELIEF VALVE**
Scale: N.T.S.



**PROFILE-WATER MAIN RELOCATION
AT CULVERT-STA. 337+96**

Scale: Hor. 1"=20'
Vert. 1"=4'
(C.C.O. #4)



DETAIL-AIR RELIEF VALVE ASSEMBLY
N.T.S.

APPROVED: Date 2-16-83
R. Uagato
Chief, Planning & Engineering, BWS

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
LAND TRANSPORTATION FACILITIES DIVISION
WATER DETAILS
KAMEHAMEHA HWY. RESURFACING
KAUNALA STREET TO
VICINITY OF WAIALEE BRIDGE
Fed. Aid Proj. No. FR-083-1(18)
Scale: As Noted Date: Feb. 1983
SHEET NO. OF SHEETS

ORIGINAL PLAN	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
NO.	