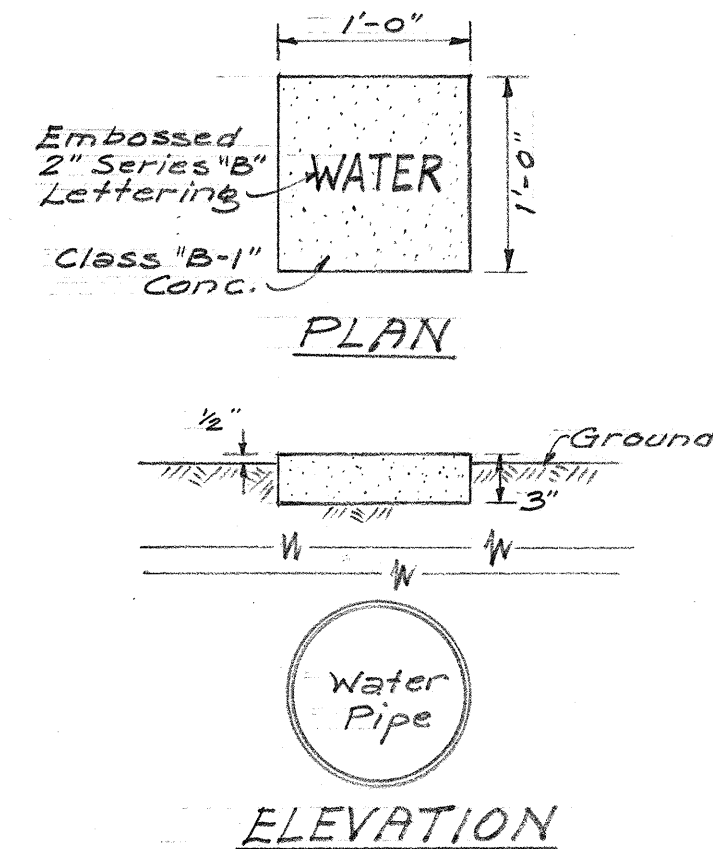
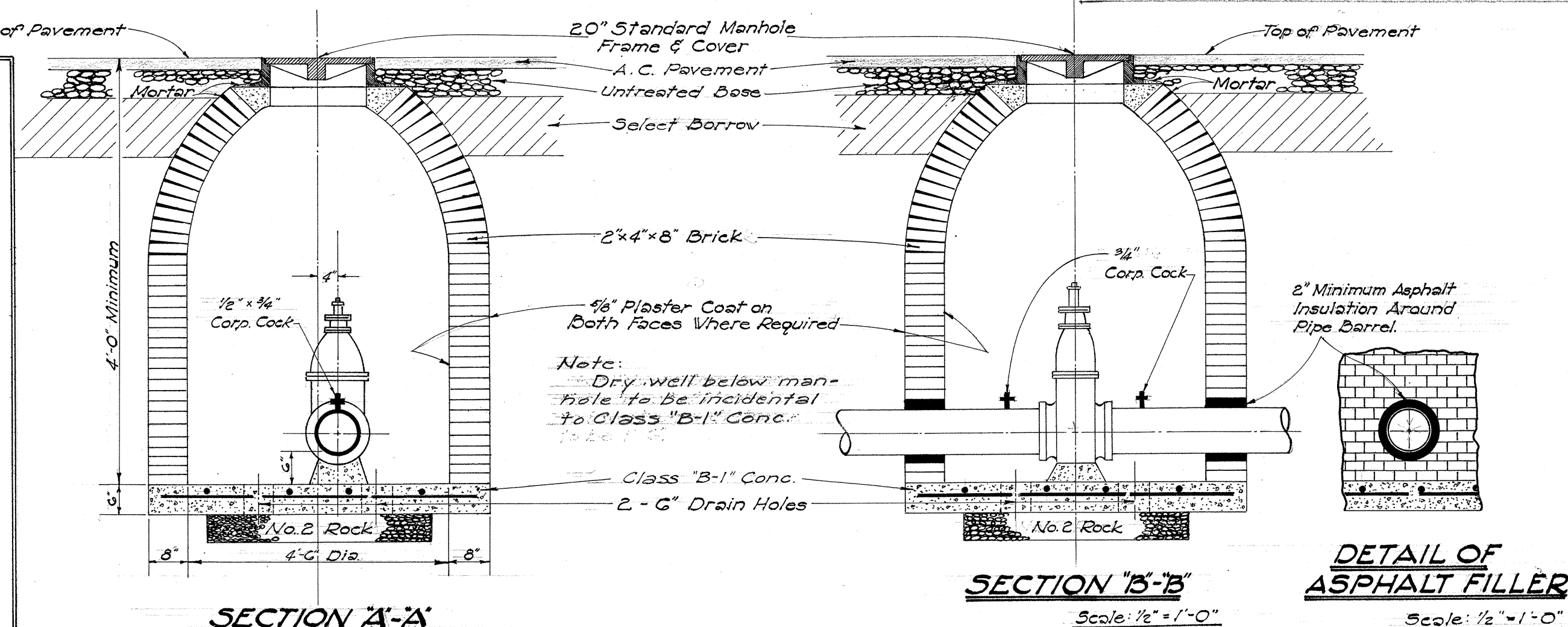
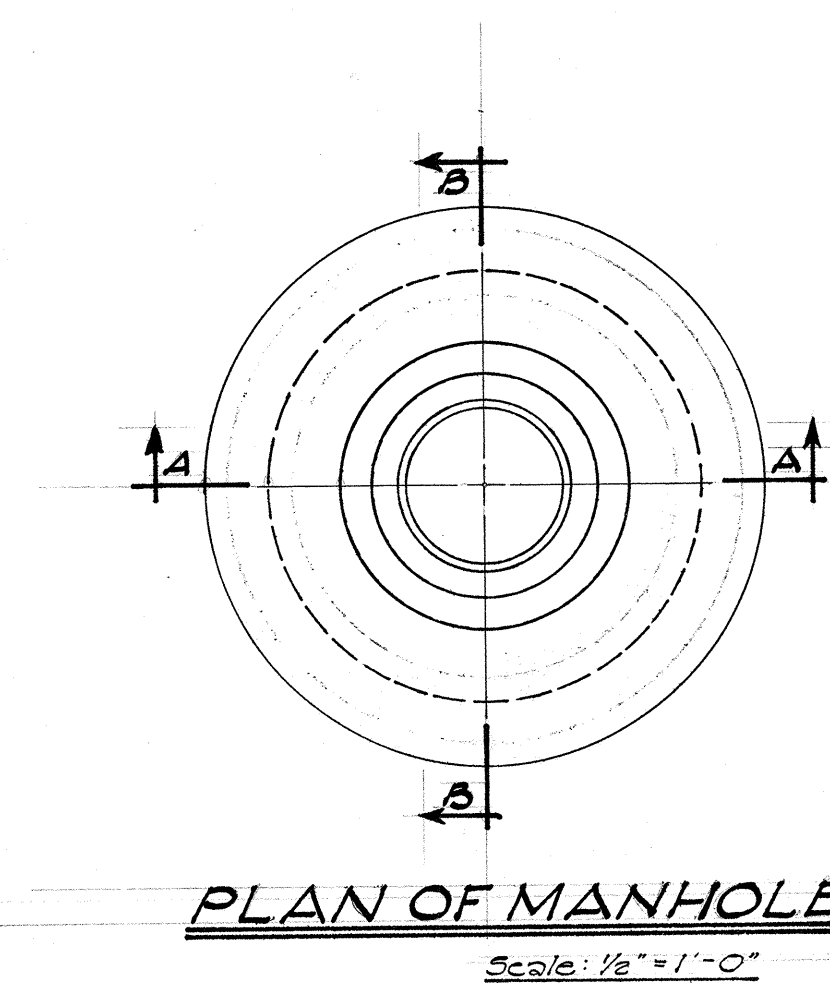


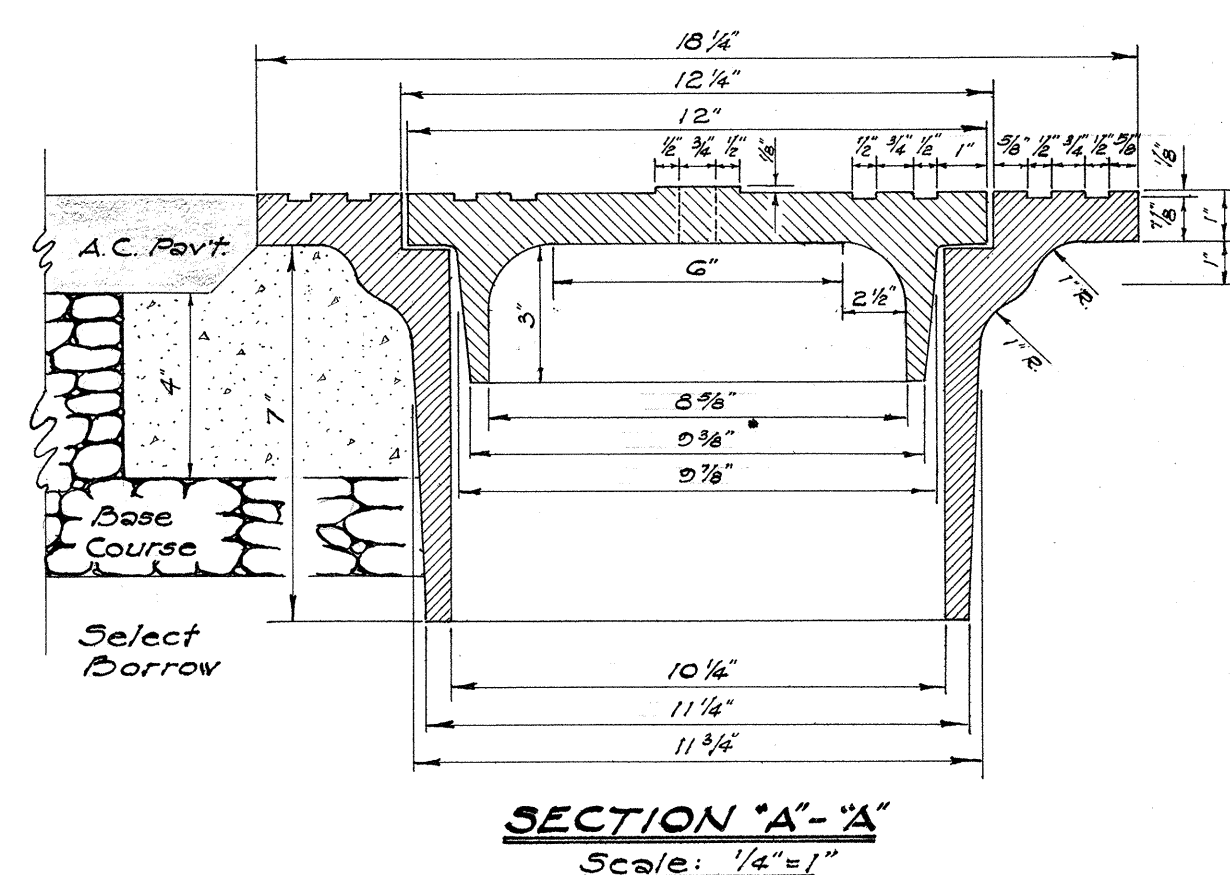
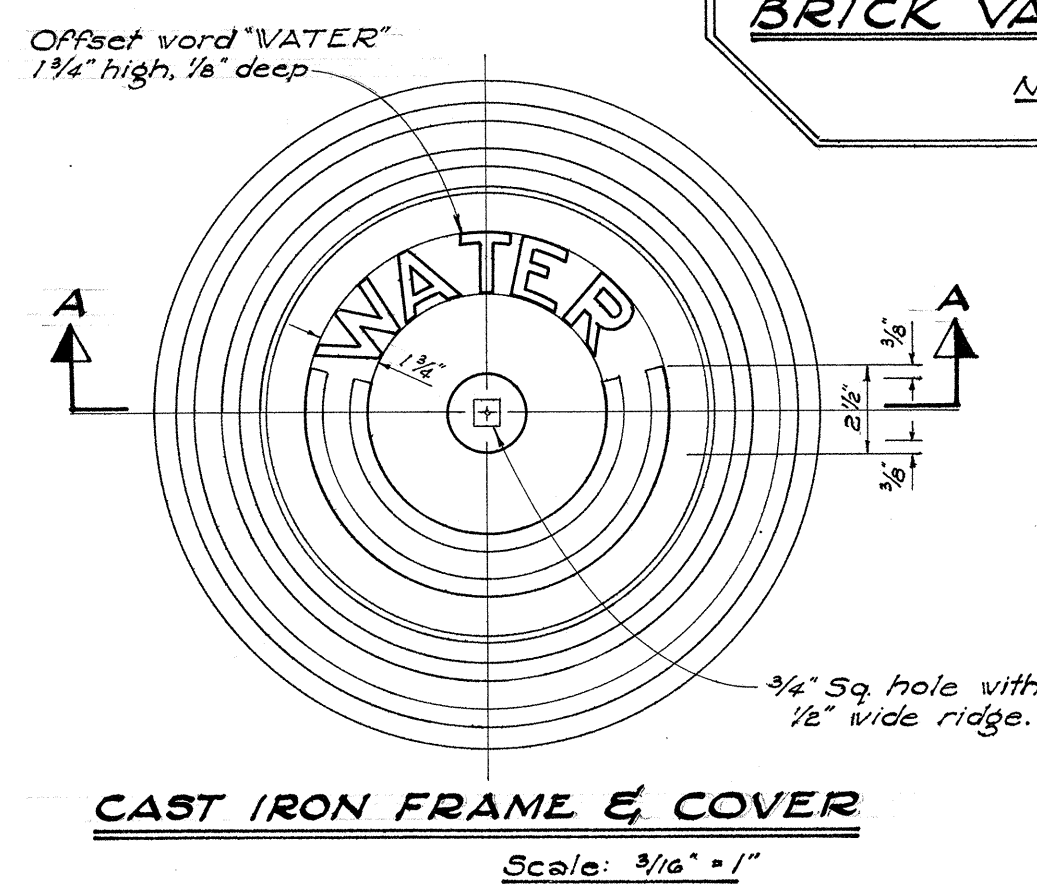
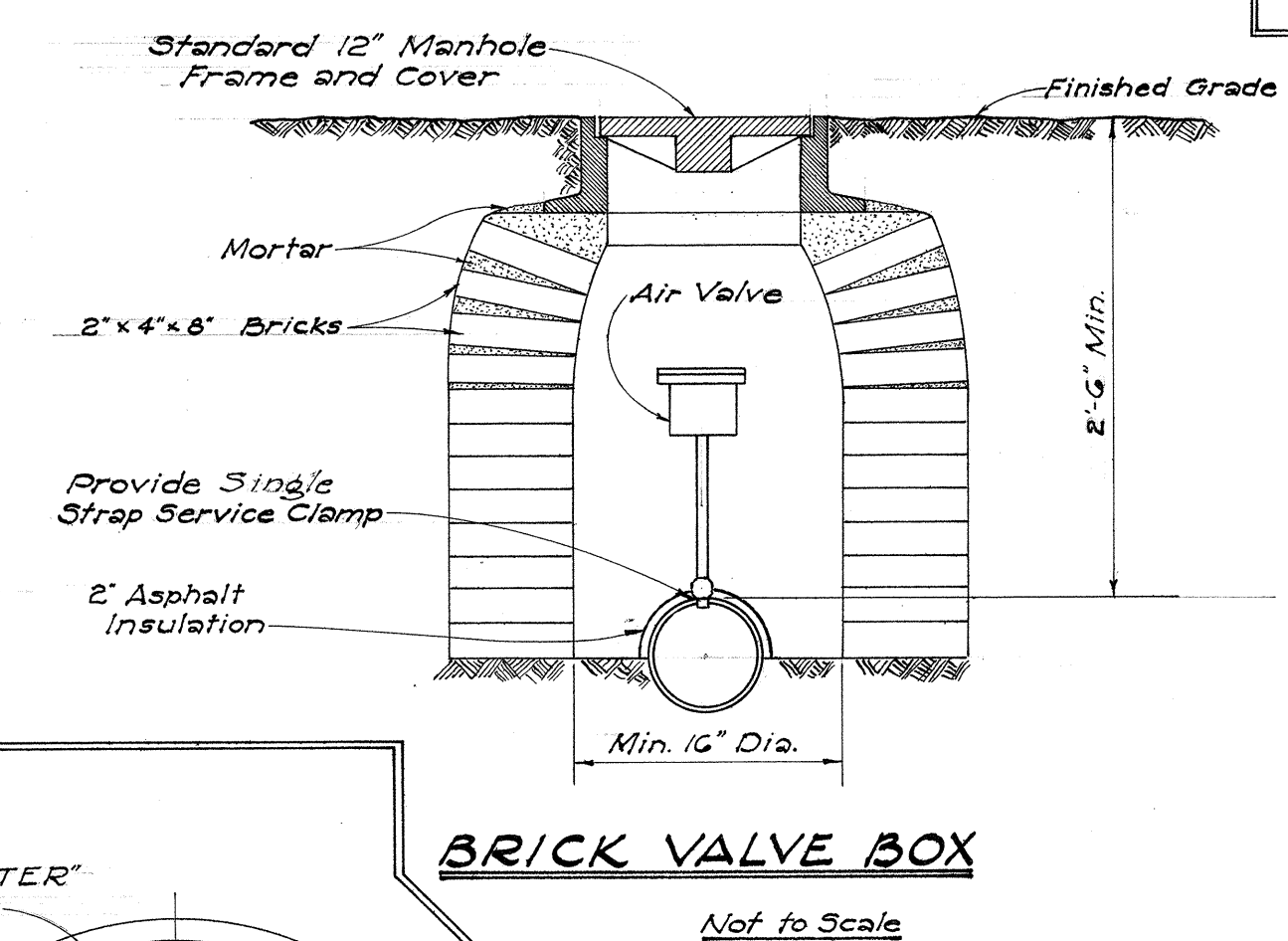
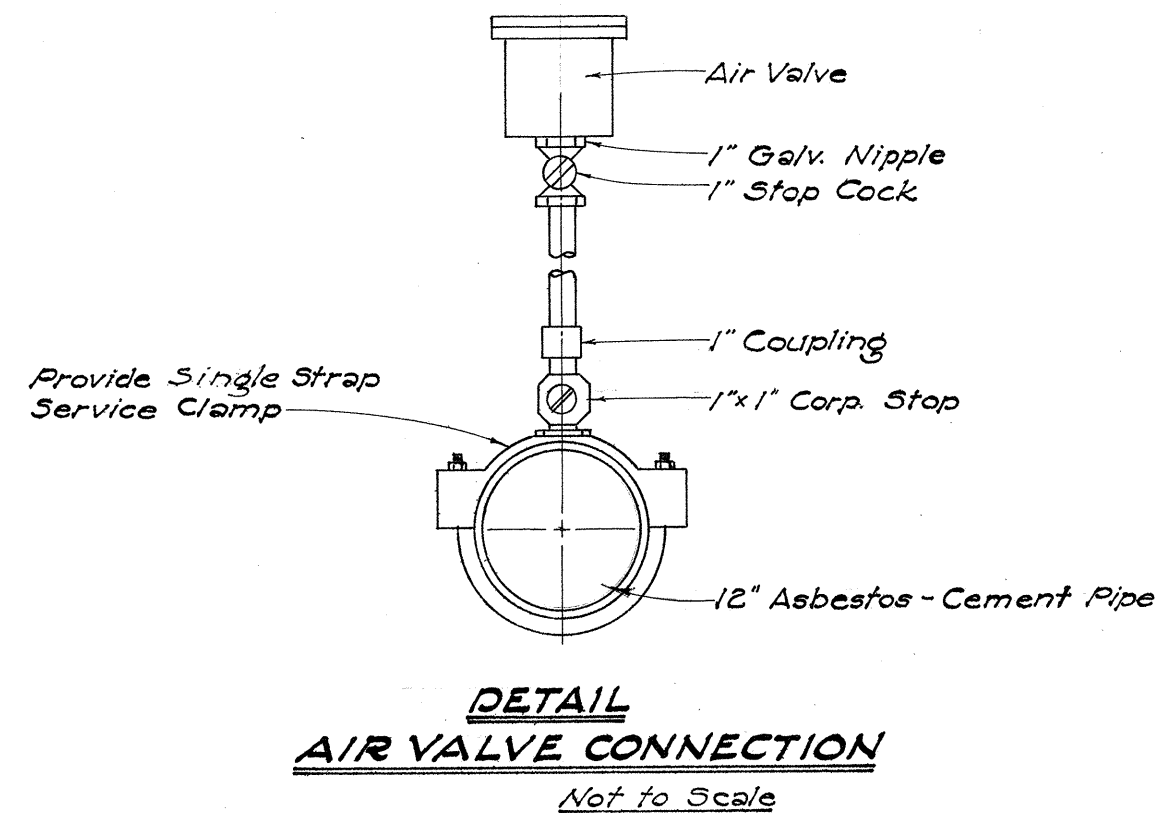


REFERENCE MARKER DETAILS
Scale: 1" = 1'-0"

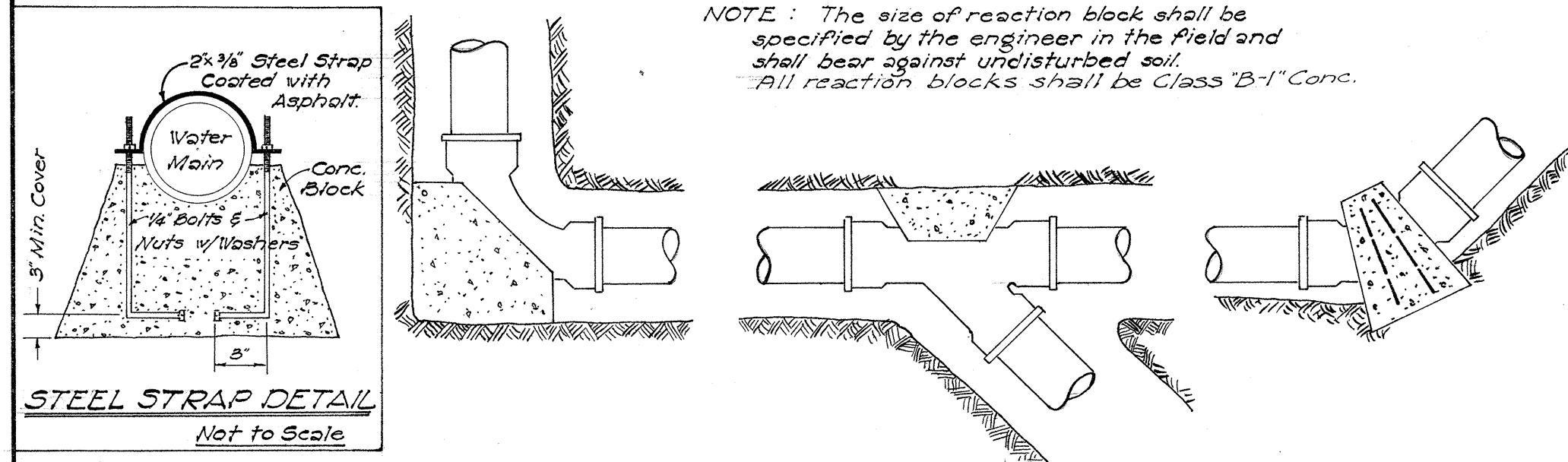
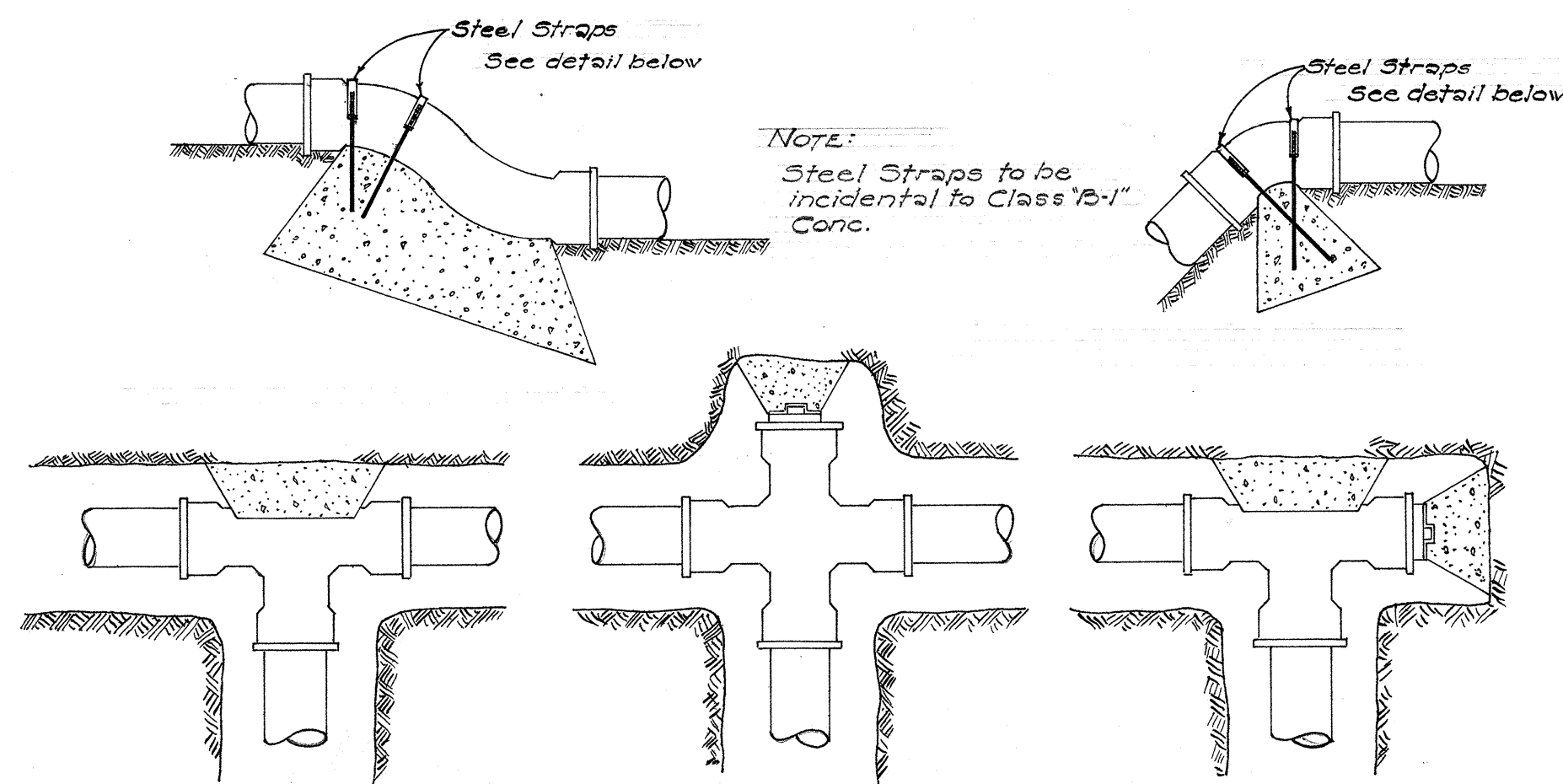


BRICK MANHOLE DETAILS
Scale: As Noted

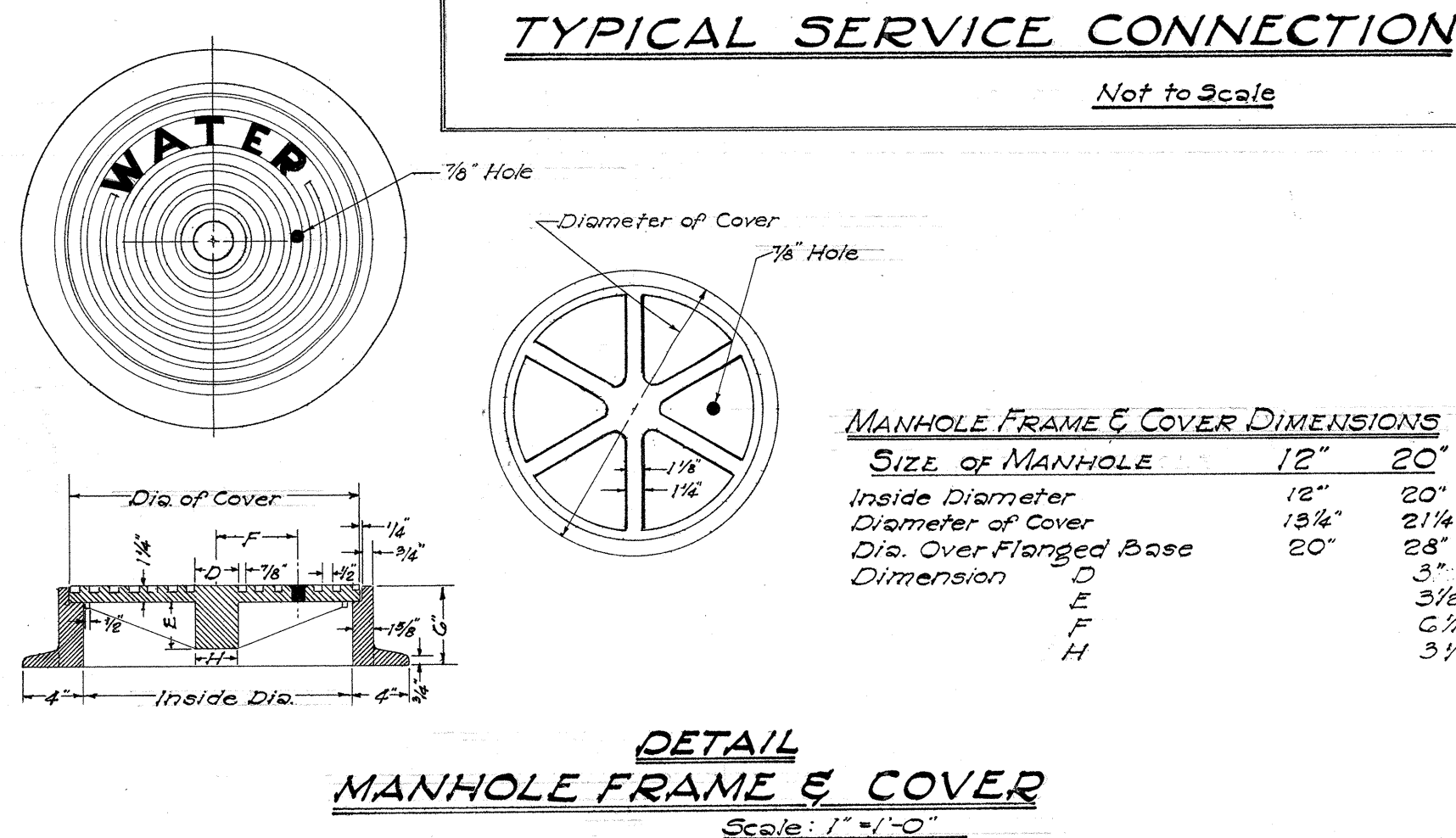
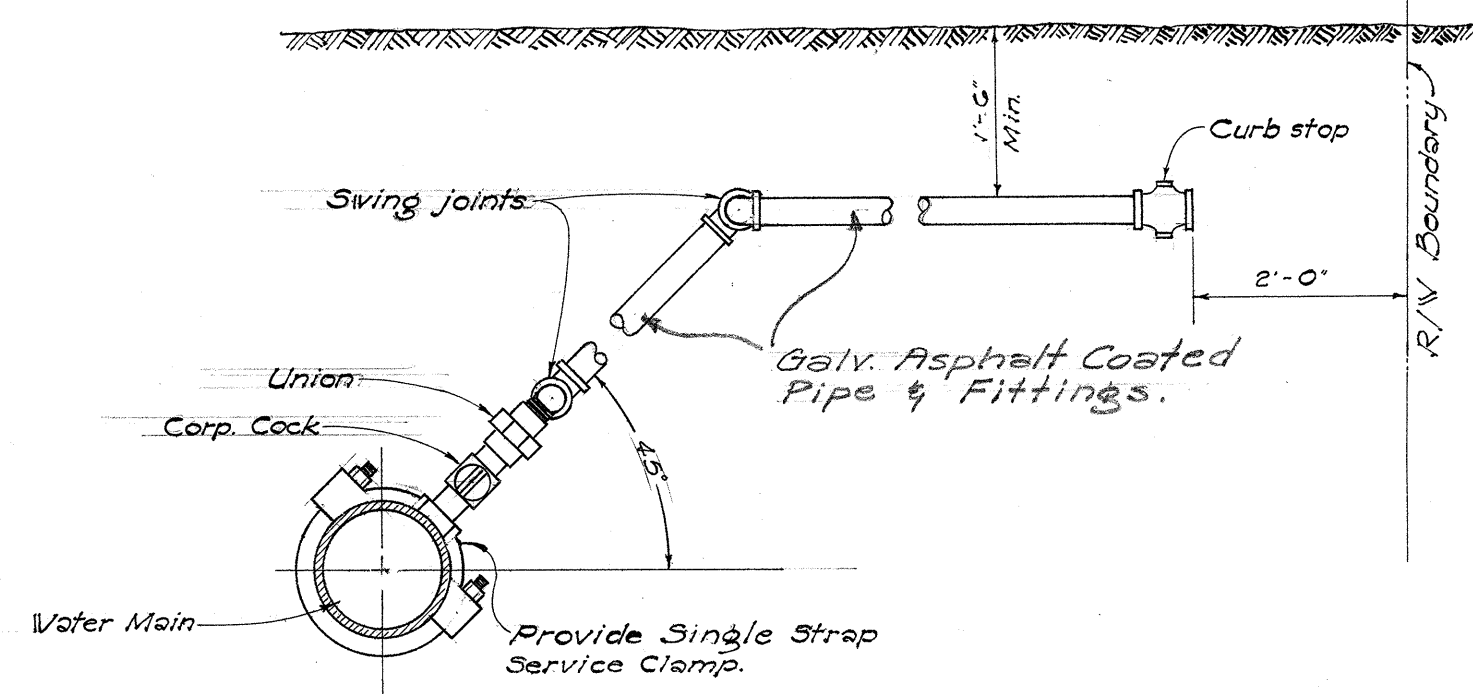
STEEL DETAIL IN BOTTOM SLAB OF MANHOLE
Scale: 1/2" = 1'-0"



CAST IRON VALVE BOX DETAIL FOR GATE VALVES
Scale: As Noted



CONCRETE REACTION BLOCKS FOR WATER MAINS
Not to Scale



MANHOLE FRAME & COVER DIMENSIONS	
SIZE OF MANHOLE	12" 20"
Inside Diameter	12" 20"
Diameter of Cover	13 1/4" 21 1/4"
Dis. Over Flanged Base	20" 28"
Dimension	E 3 1/2"
	F 5 1/2"
	H 3 1/2"

DATE: _____
DESIGNED BY: _____
CHECKED BY: _____
TRACED BY: _____
NOTE BOOK NO. _____

DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
STATE OF HAWAII
WATER LINE
STANDARD DETAILS
AHUKINI ROAD
PROJECT NO. S-0570 (1)
LIHUE, KAUAI
Scale: As Shown Date: May 1962