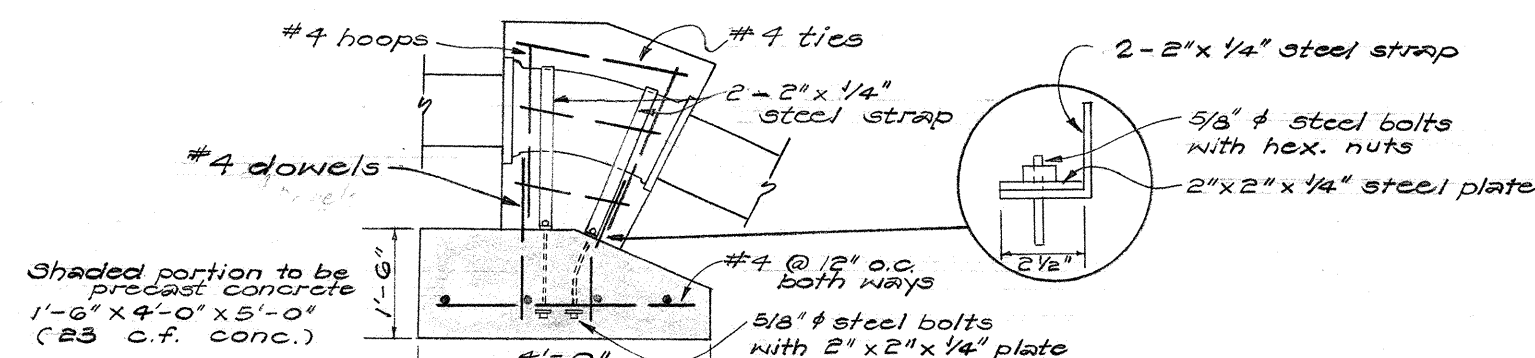




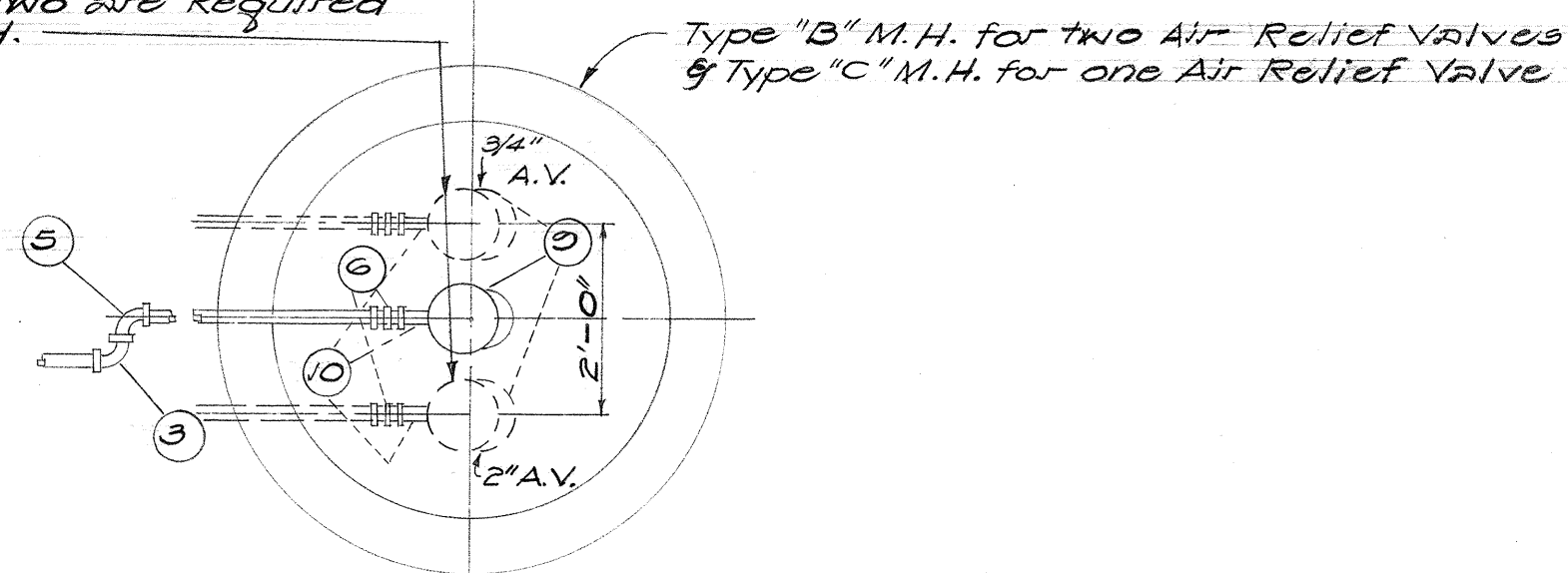
REACTION BLOCK FOR
12" - 1/16 C.I. BEND

SCALE: 3/8" = 1'-0"

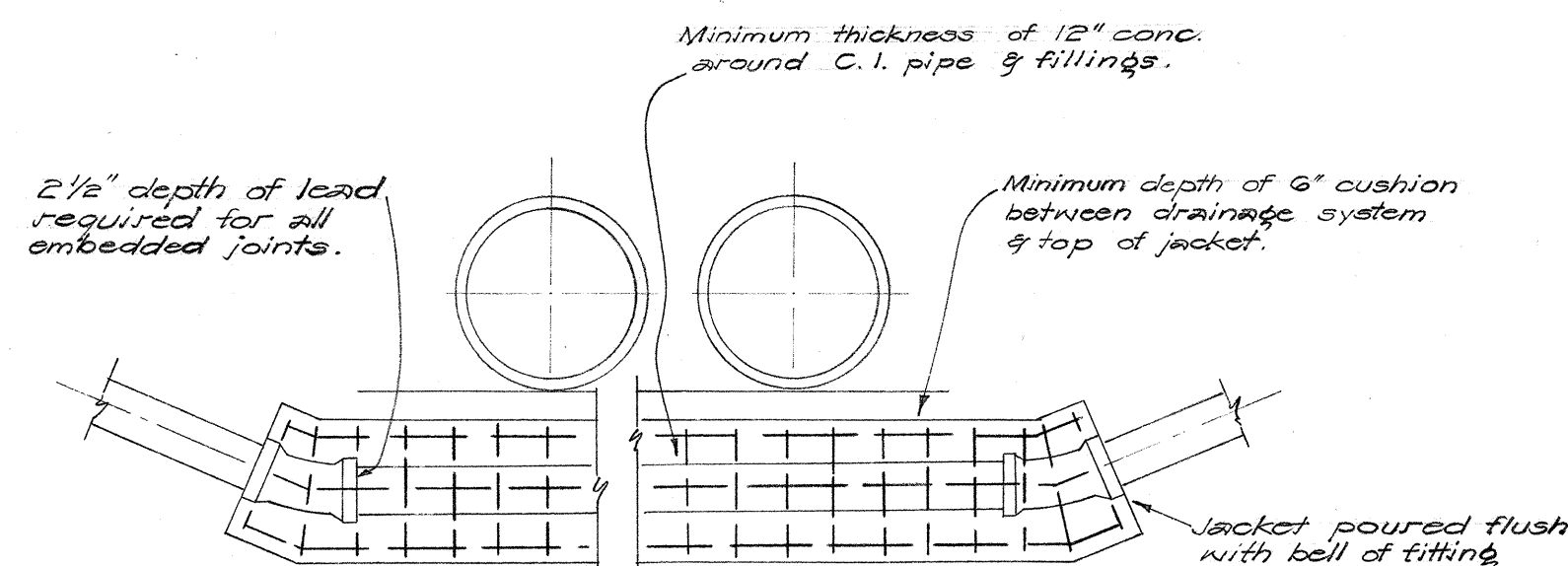
Note:

Where M.H. is to be constructed for
1-3/4" Air Relief Valve serving a 12" Line
Construct Such M.H. Over 12" Line
Wherever Feasible.

Location of Air Relief Valves
Where Two are Required
For M.H.

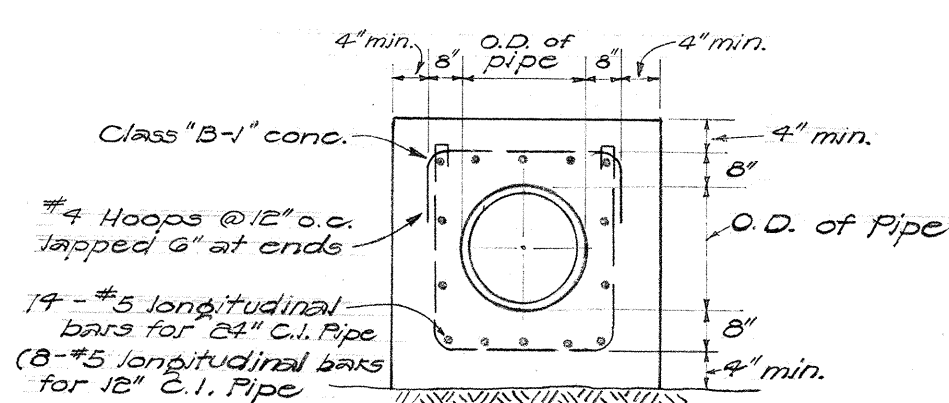


PLAN



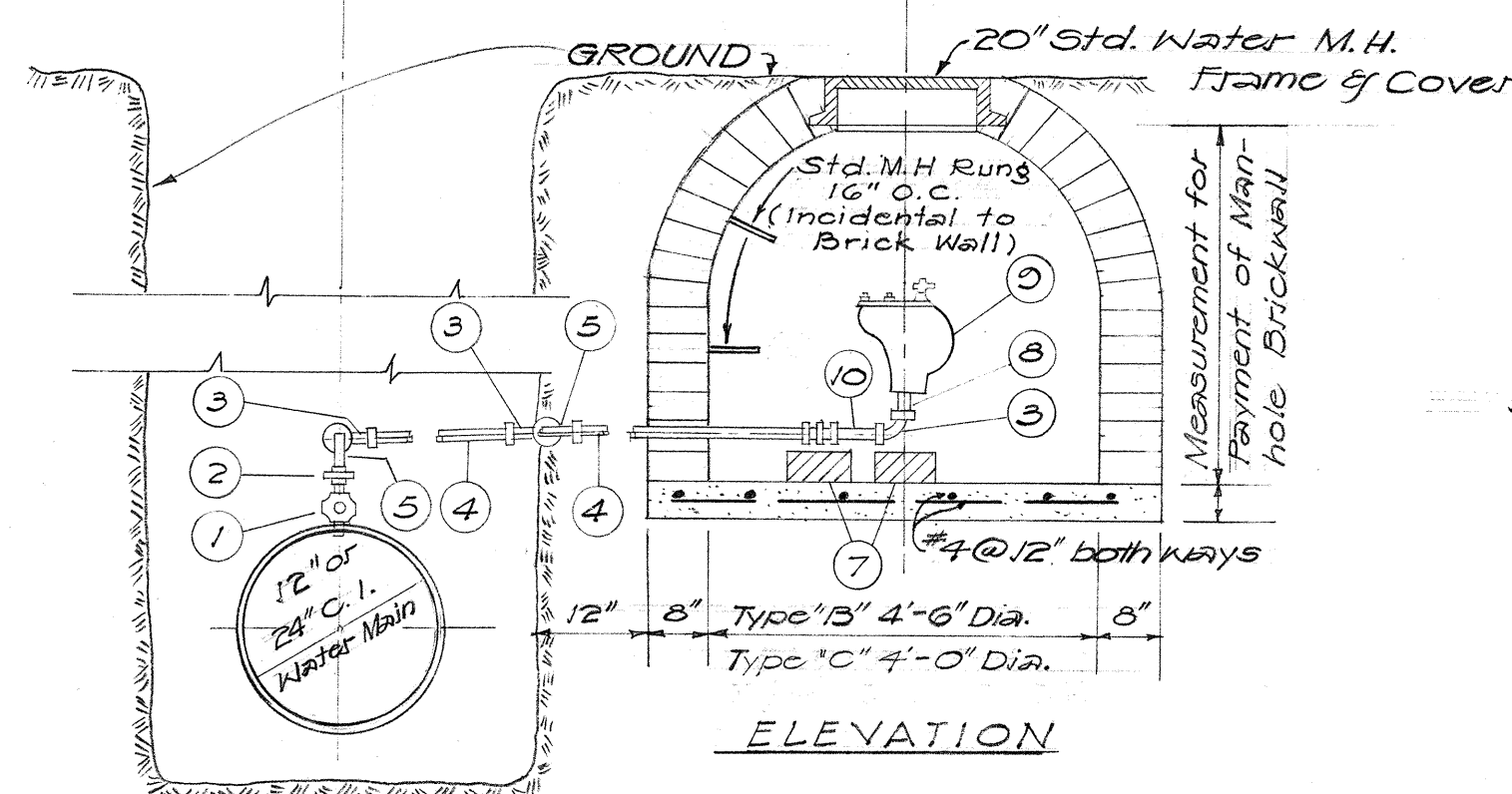
DETAIL OF TYPICAL CONC. JACKET

Not to Scale



CONC. JACKET DETAIL

Not to Scale



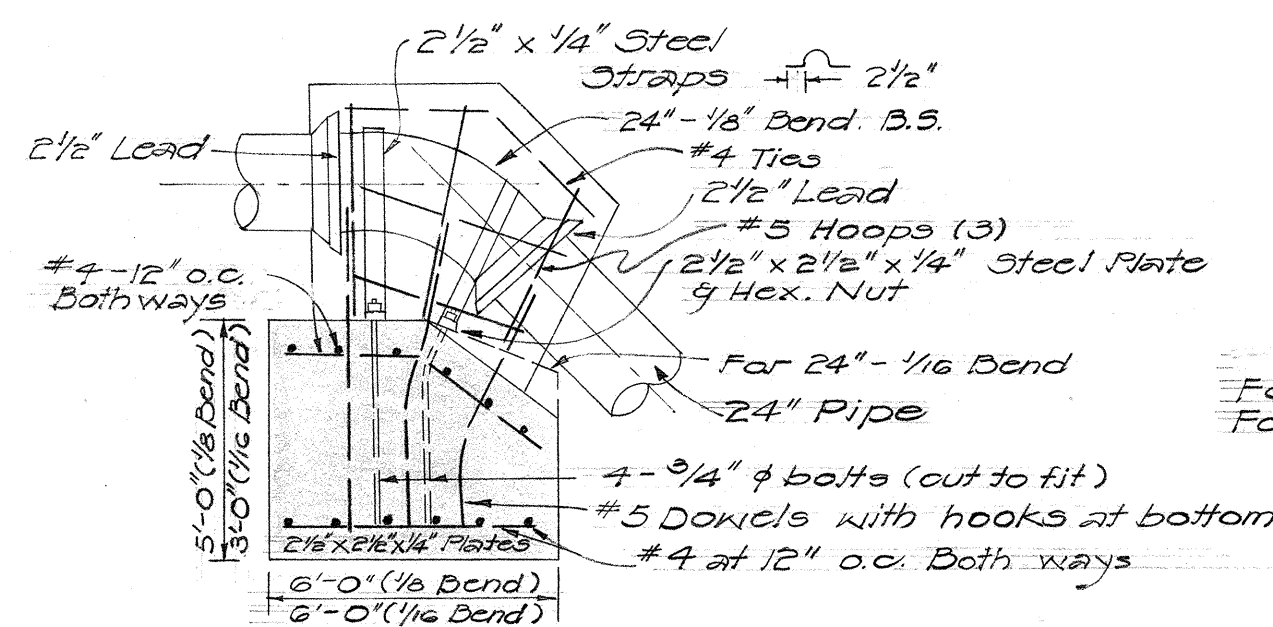
DETAIL OF CONNECTION
AIR RELIEF VALVE

SCALE: 1/2" = 1'-0"

LIST OF MATERIAL FOR 2" AIR RELIEF VALVE

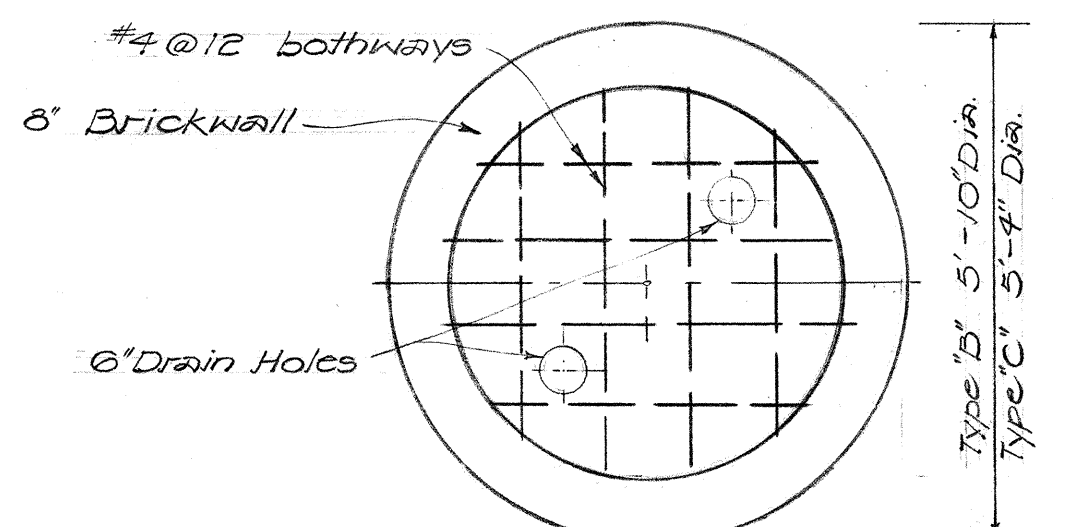
ITEM NO.	REQ.	DESCRIPTION
1	1	1 1/2" CORPORATION COCK
2	1	2" UNION, GALVANIZED
3	3	2" 90° ELBOW, GALV.
4	2	2" GALV. PIPE, CUT TO FIT
5	2	2" STREET ELBOW, GALV.
7	2	BRICK SUPPORT
8	1	2" DIA. x 4" NIPPLE, GALV.
9	1	2" AIR RELIEF VALVE
10	1	2" DIA. x 6" NIPPLE, GALV.

For 3/4" Air Relief Valve Use Appropriate Size



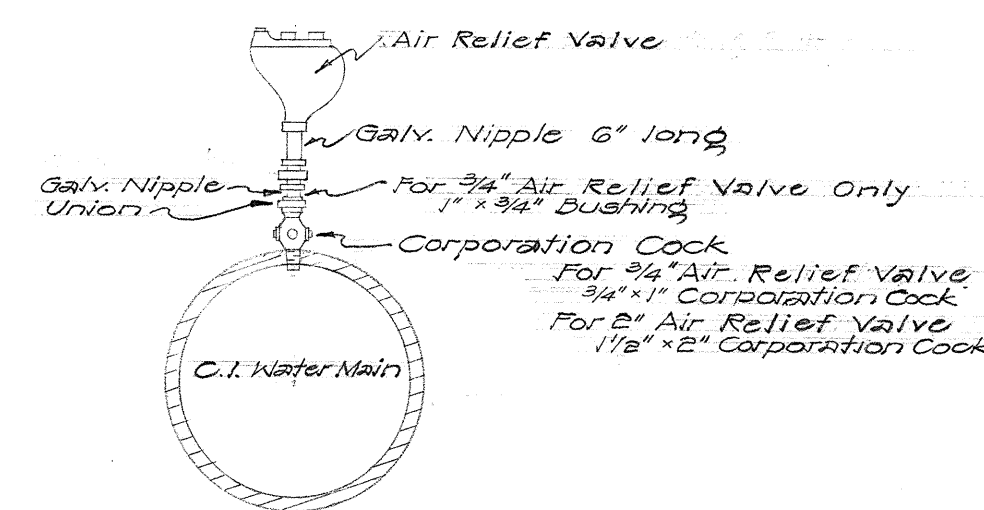
PRECAST CONC. (SHADED)

For 24" - 1/8 Bend - 5' x 6' x 7' C 103 cu. ft.
For 24" - 1/8 Bend - 3' x 6' x 5' C 84 cu. ft.



BOTTOM SLAB PLAN

SCALE: 1/2" = 1'-0"



DETAIL OF CONNECTION FOR
AIR RELIEF VALVE

Not to Scale

REACTION BLK. FOR 24" - 1/8 BEND (B.S.)

SIMILAR FOR 24" - 1/16 BEND

SCALE: 1/4" = 1'-0"

Approved *M. Grande* Date *5/1/59*
Asst. Chief Engineer
Board of Water Supply

HAWAII STATE HIGHWAY DEPARTMENT
STATE OF HAWAII

MISCELLANEOUS WATER DETAIL
KALANIANA'OLE HIGHWAY
DRAINAGE IMPROVEMENT
PROJECT F-072-1(12)

SCALE: As Noted March 7, 1960

SHEET No. 1 OF 1 SHEETS

S131.13