

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-43-1(24)-11	1983	169	328

NOTE:
 1. ALL WORK ON THIS PROJECT CONSISTS OF THE PLACEMENT OF ELEVEN (11) INSERTS, THE INSTALLATION OF TWO (2) 5' LONG 6" C.I. PIPES & CAPPING END OF THE 6" C.I. PIPES. ALL OTHER ITEMS SHOWN ARE FOR INFORMATIONAL PURPOSES ONLY.

2. N.I.C. MEANS NOT IN CONTRACT.

3. CAP LOCATIONS SHALL BE MARKED ON THE FINISHED PAVEMENT.

4. CAPS, MARKERS, SLEEVES, HOLES IN BENTS AND PREMOLDED FILLER SHALL BE INCIDENTAL TO ITEM 025.5000.

SOUTHBOUND #
 STA. 102+53 1/2 30' RT.
 PIPE STA 0+84.94
 1-6" 1/2 BEND
 1-CONC. REACTION BLOCK

MON. SOUTHBOUND #
 STA. 101+66.41

SOUTHBOUND #
 STA. 101+77.94
 1/2 63.74 RT.
 PIPE STA 0+00
 FLUG PIPE AND
 INSTALL PIPE
 MARKER

SOUTHBOUND #
 STA. 104+74
 1/2 41' RT.
 PIPE STA. 3+06.22

1/2 ROAD STA. 107+10
 1/2 36' RT.
 PIPE STA. 5+42.70

1/2 ROAD STA. 107-67
 1/2 63' RT.
 PIPE STA. 6+00.13
 1-6" 1/2 BEND & 1 CONC. REACTION BL.

PIPE STA. 7+50 CLEANOUT
 SEE SHT. 2AA FOR DETAILS

BRIDGE CROSSING
 FOR DETAILS
 SEE SHEET 2AA

1/2 ROAD STA. 108+67
 1/2 42' RT.
 PIPE STA. 7+02.31
 1-6" 1/2 BEND
 1-CONC. REACTION BLOCK

PIPE STA. 12+00
 CLEANOUT SEE SHT 2AA
 FOR DETAILS

NOTE:
 1. C.I. PIPE SLEEVES TO BE 14" C.I. BELL & SPIGOT PIPE. PLUG BOTH ENDS WITH CONC. MORTAR
 2. FORCE MAIN WILL BE CONSTRUCTED OF MECHANICAL JOINT CAST IRON PIPE (CLASS 150)

N.I.C.

HAWAII LOA COLLEGE
 6" C.I. FORCE MAIN

N.I.C.

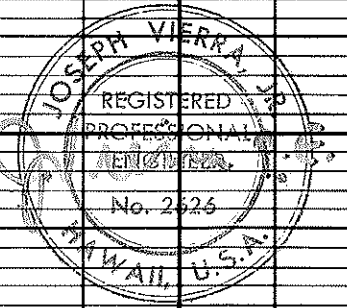
BRIDGE
 WORK
 (SEE SHT. 2AA)

PLAN	DATE	BY	DATE	BY	DATE
SURVEYED					
PLOTTED					
CHECKED					
NO.					

PROFILE	DATE	BY	DATE	BY	DATE
SURVEYED					
PLOTTED					
CHECKED					
NO.					



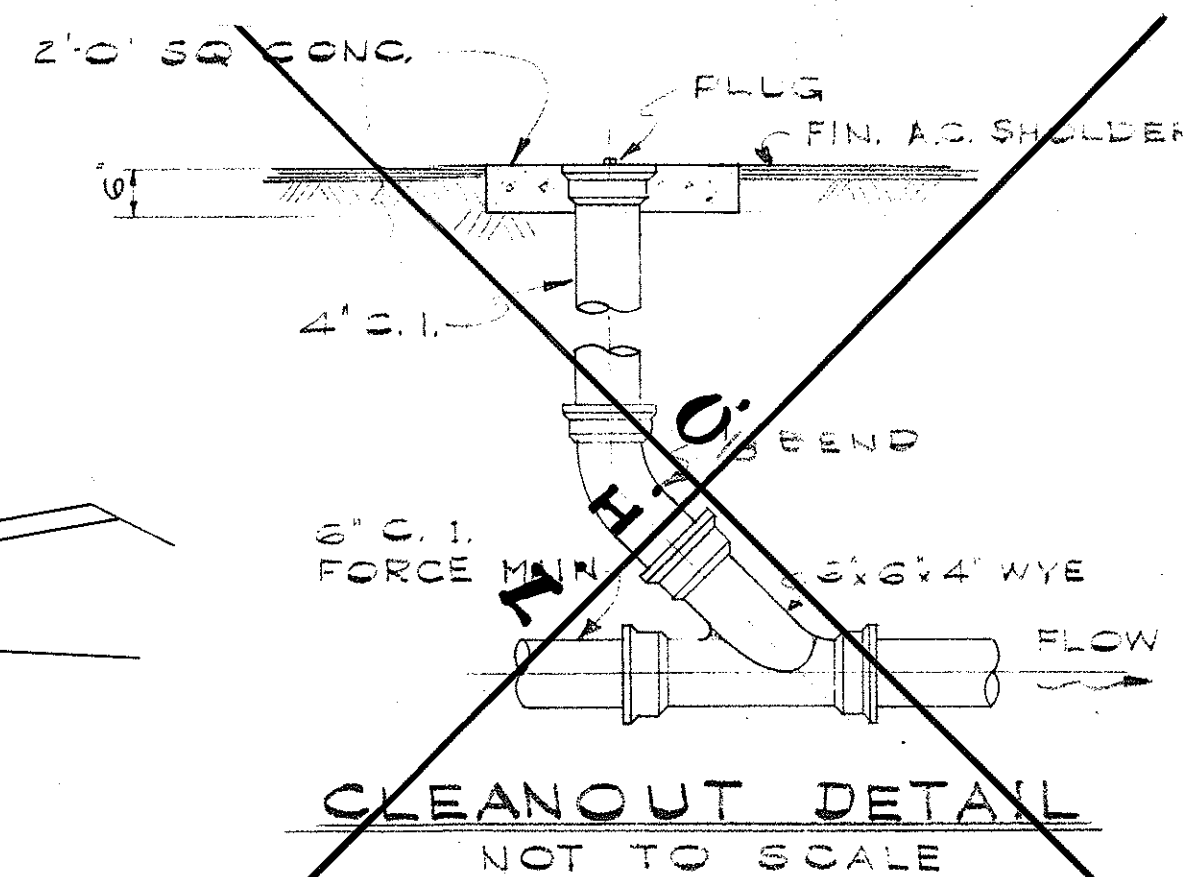
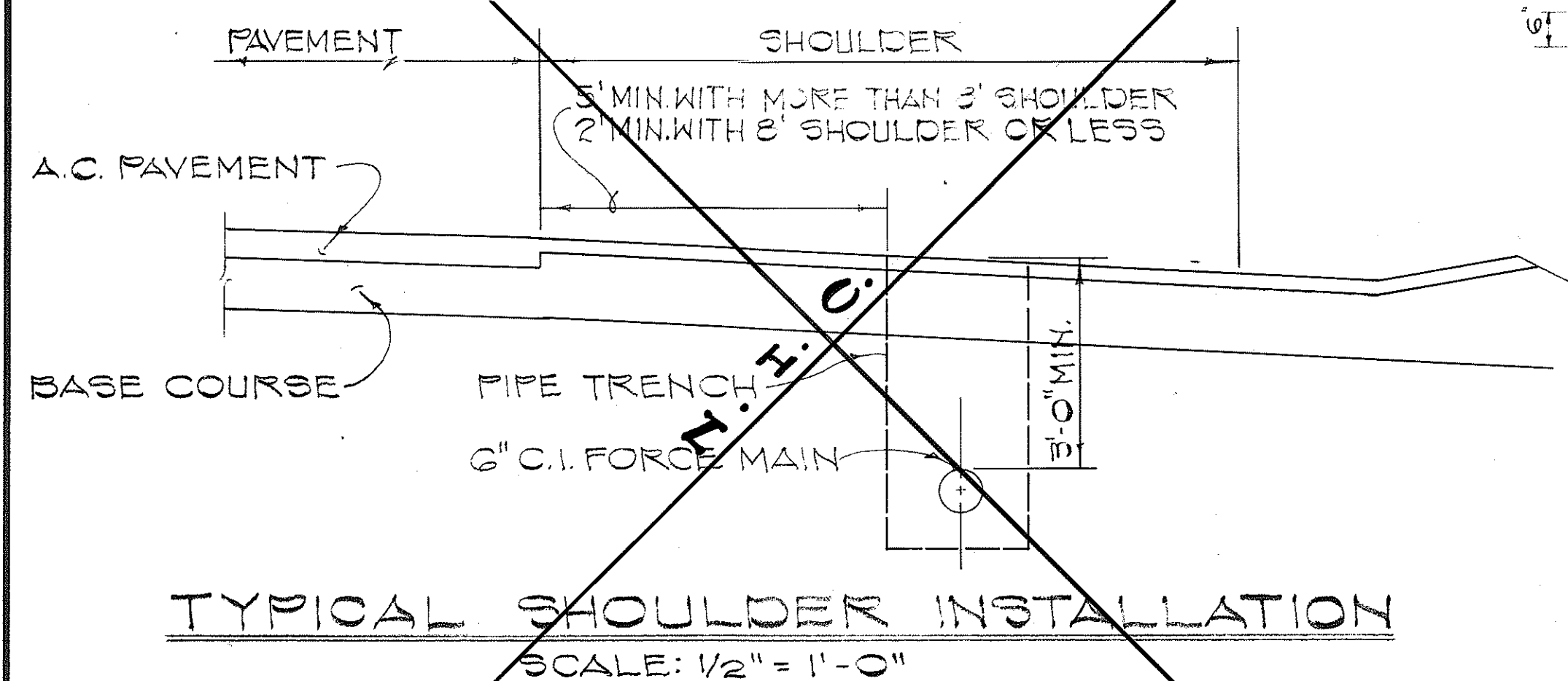
PROFILE
 SCALE: HORIZ. 1"=50'
 VERT. 1"=10'



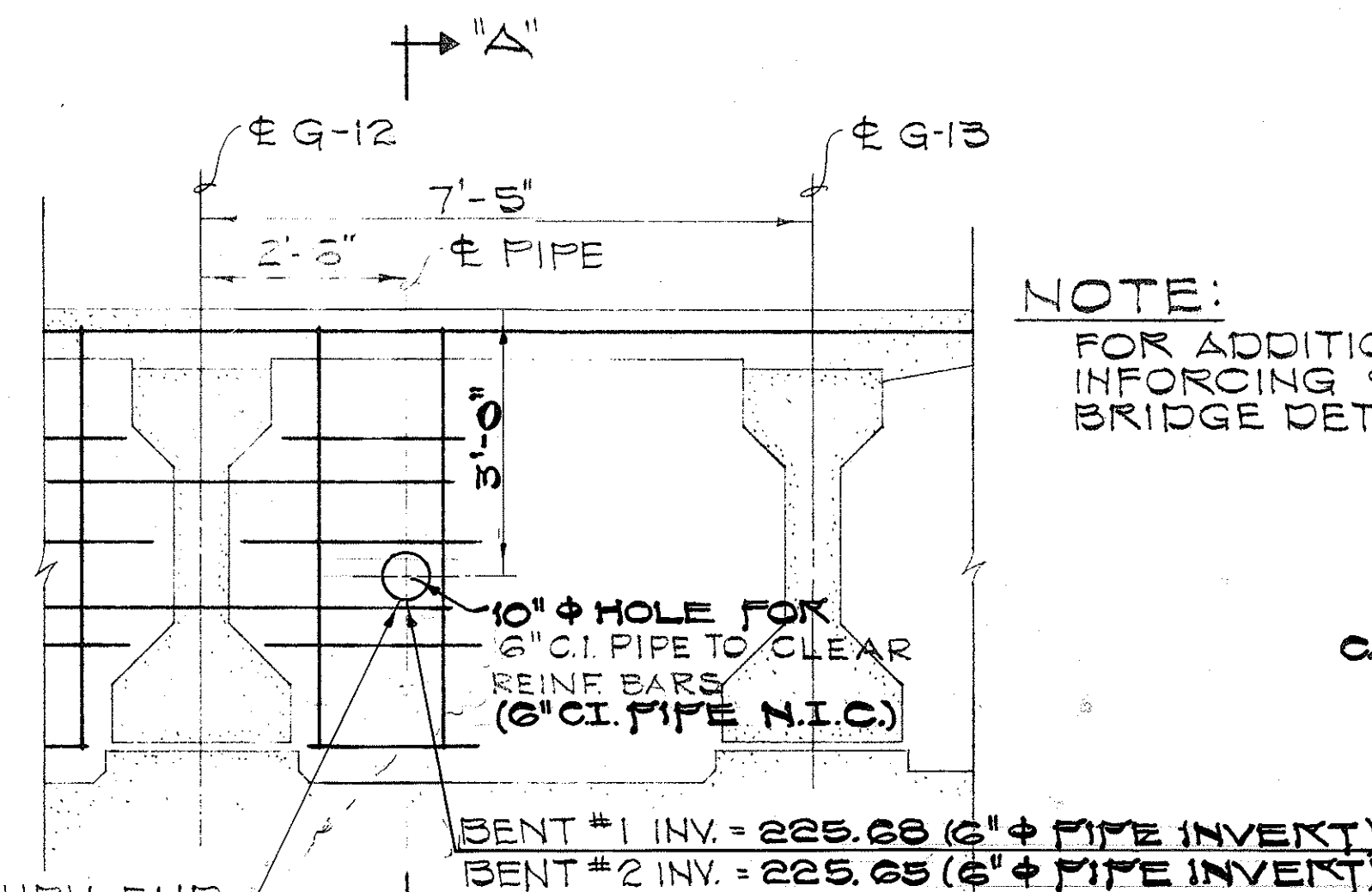
STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
 HALEKOU INTERCHANGE
 PROJ. NO. I-43-1(24)-11
PLAN AND PROFILE
 HAWAII LOA COLLEGE
 FORCE MAIN

SCALE: AS SHOWN DATE: FEB. 1975
 SHEET No. 1AA OF 2 SHEETS

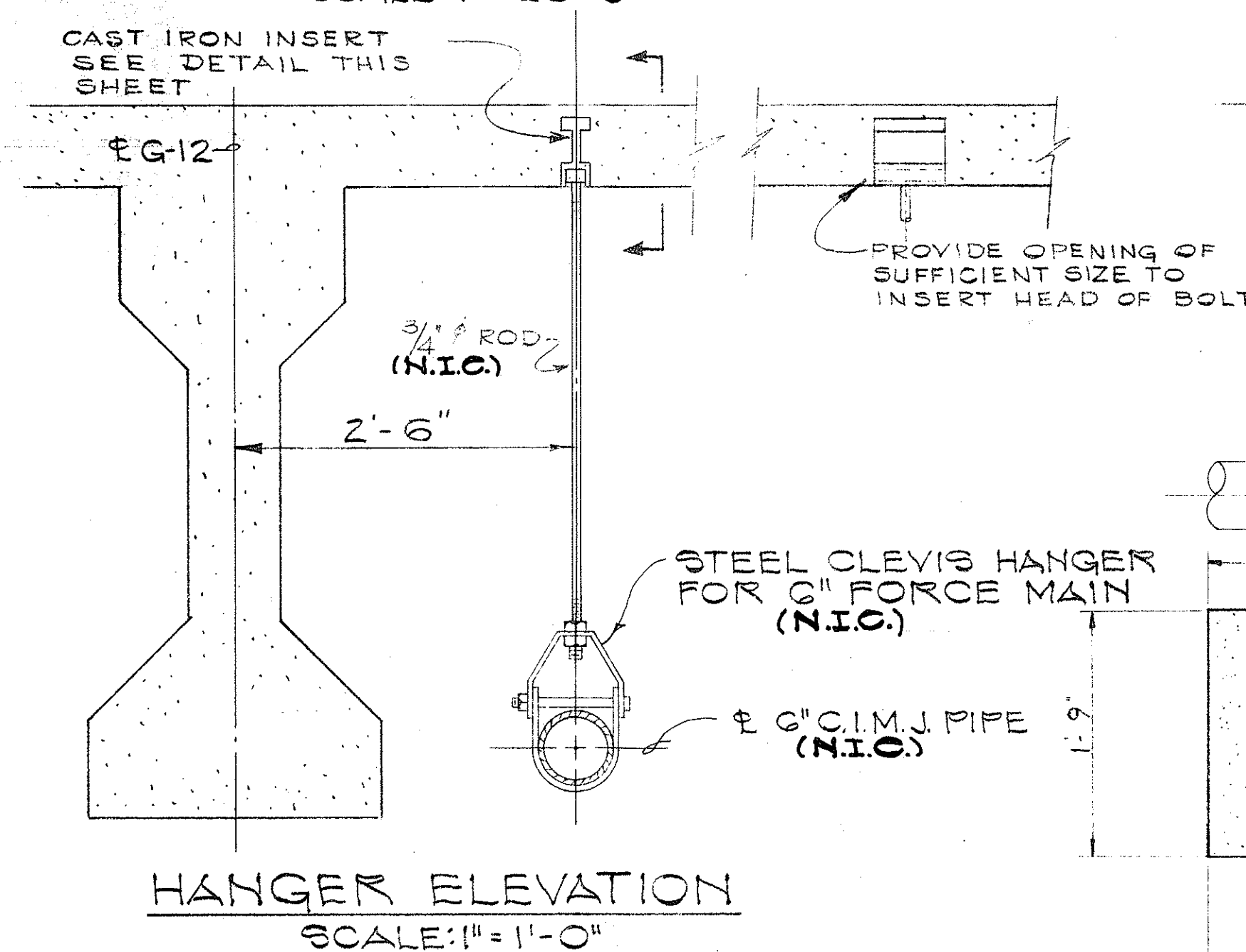
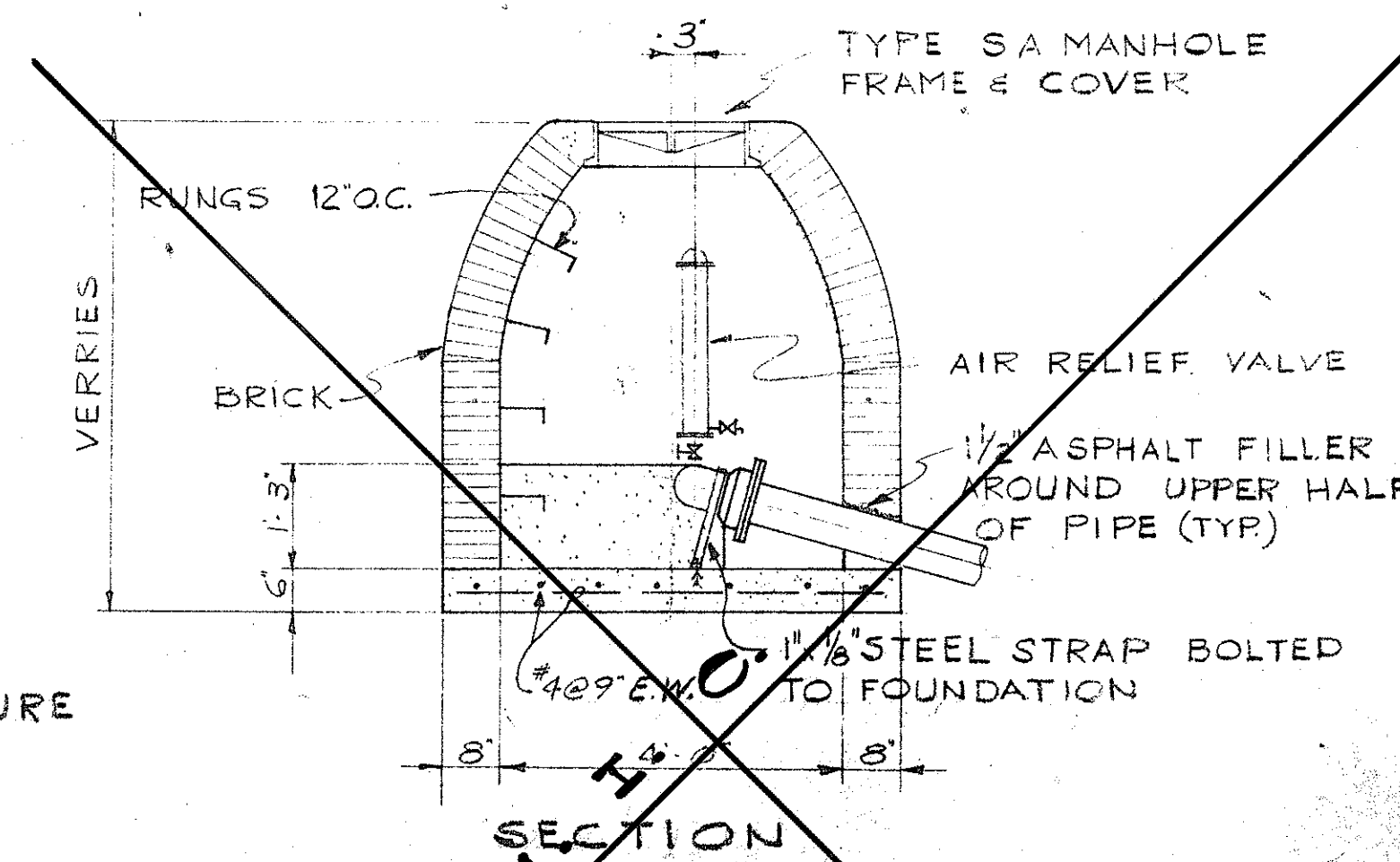
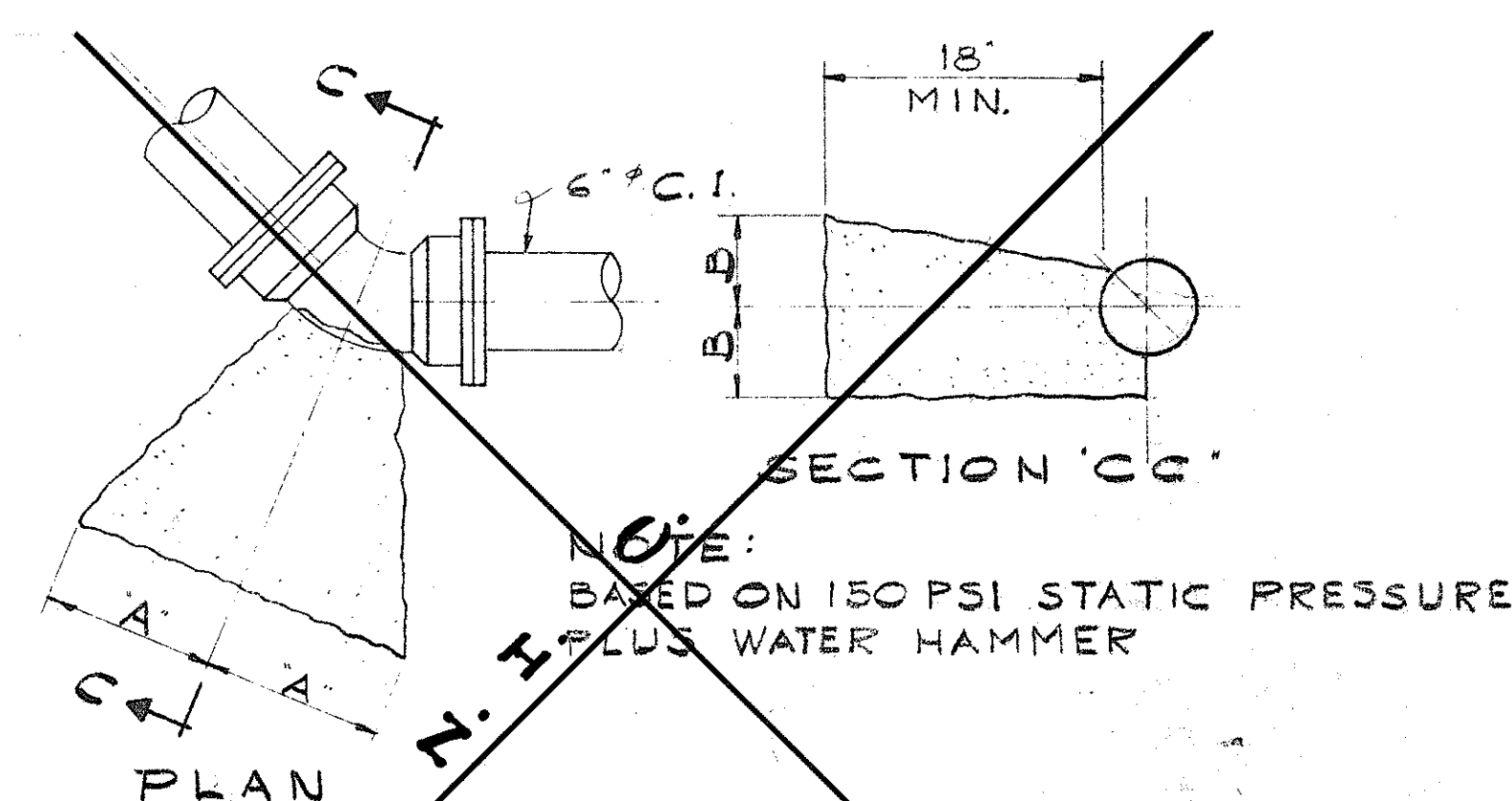
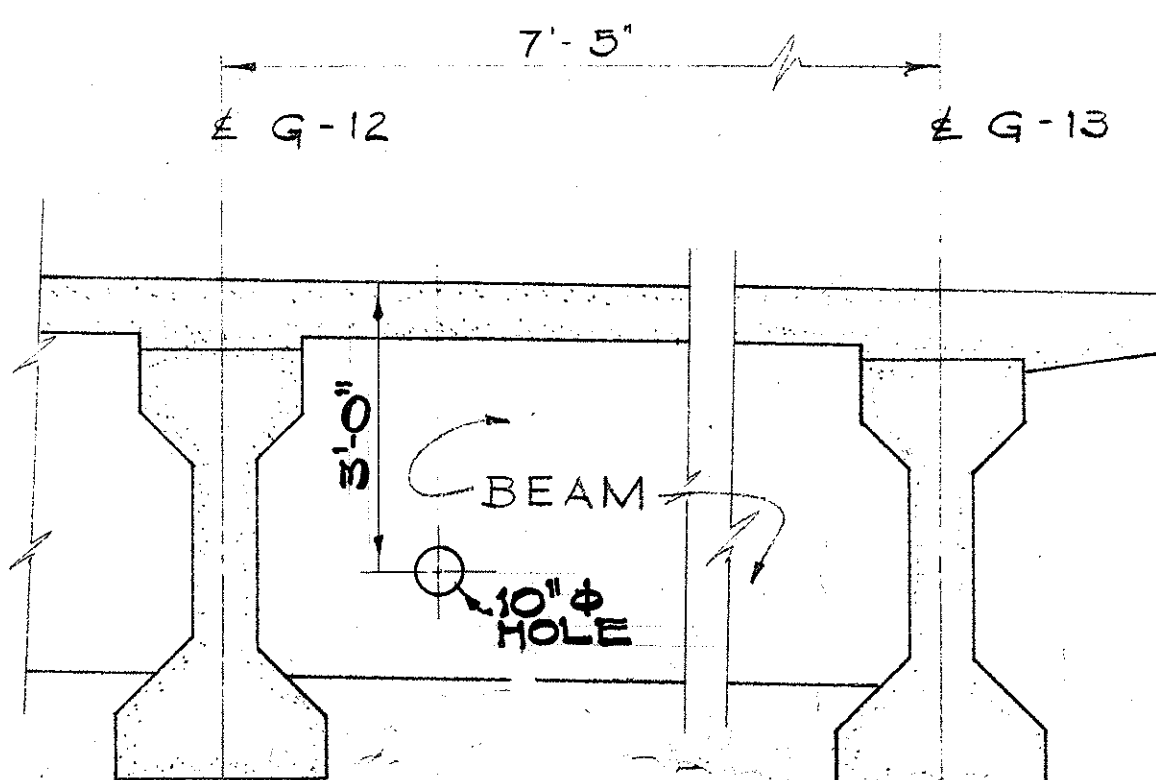
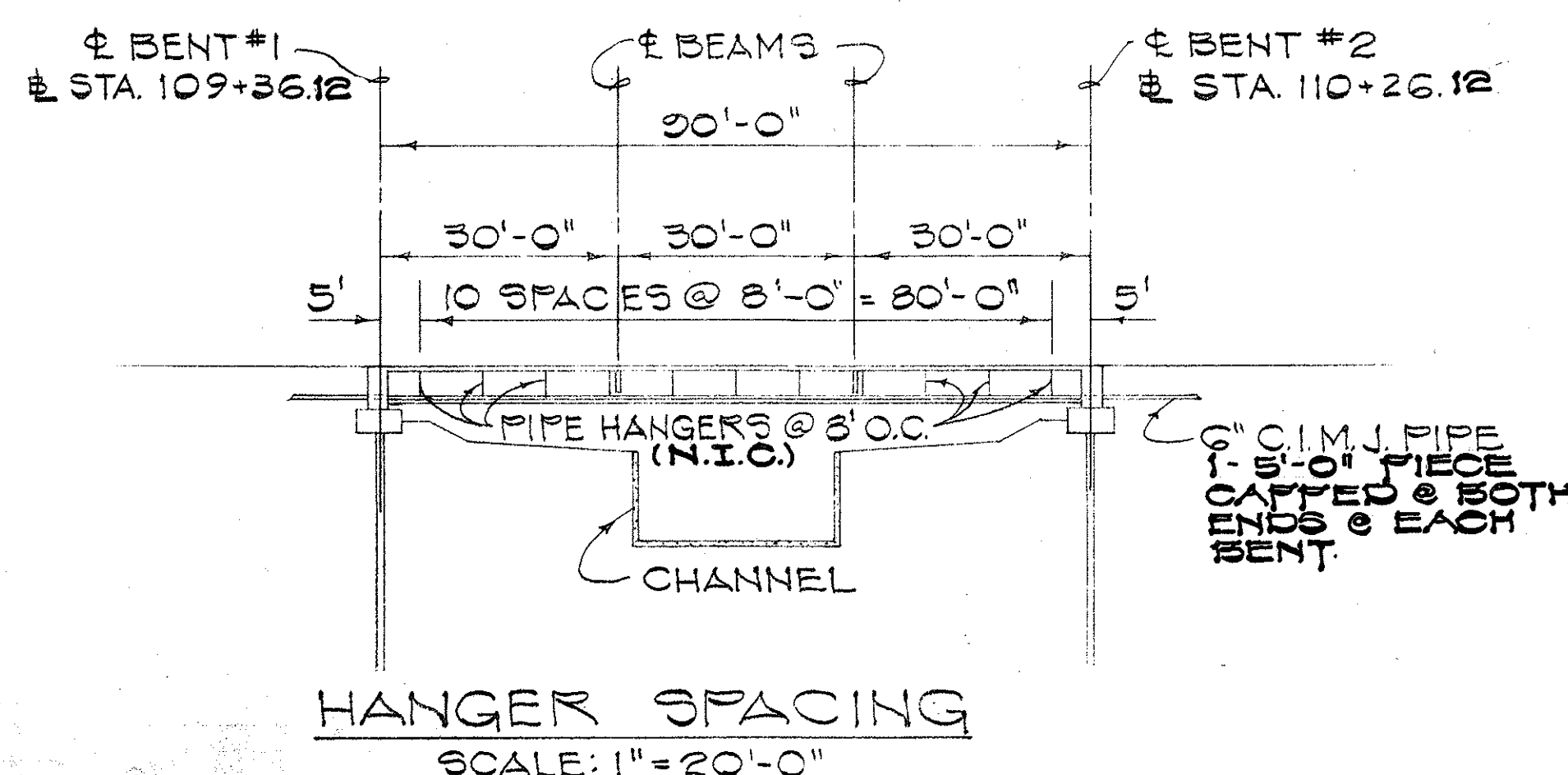
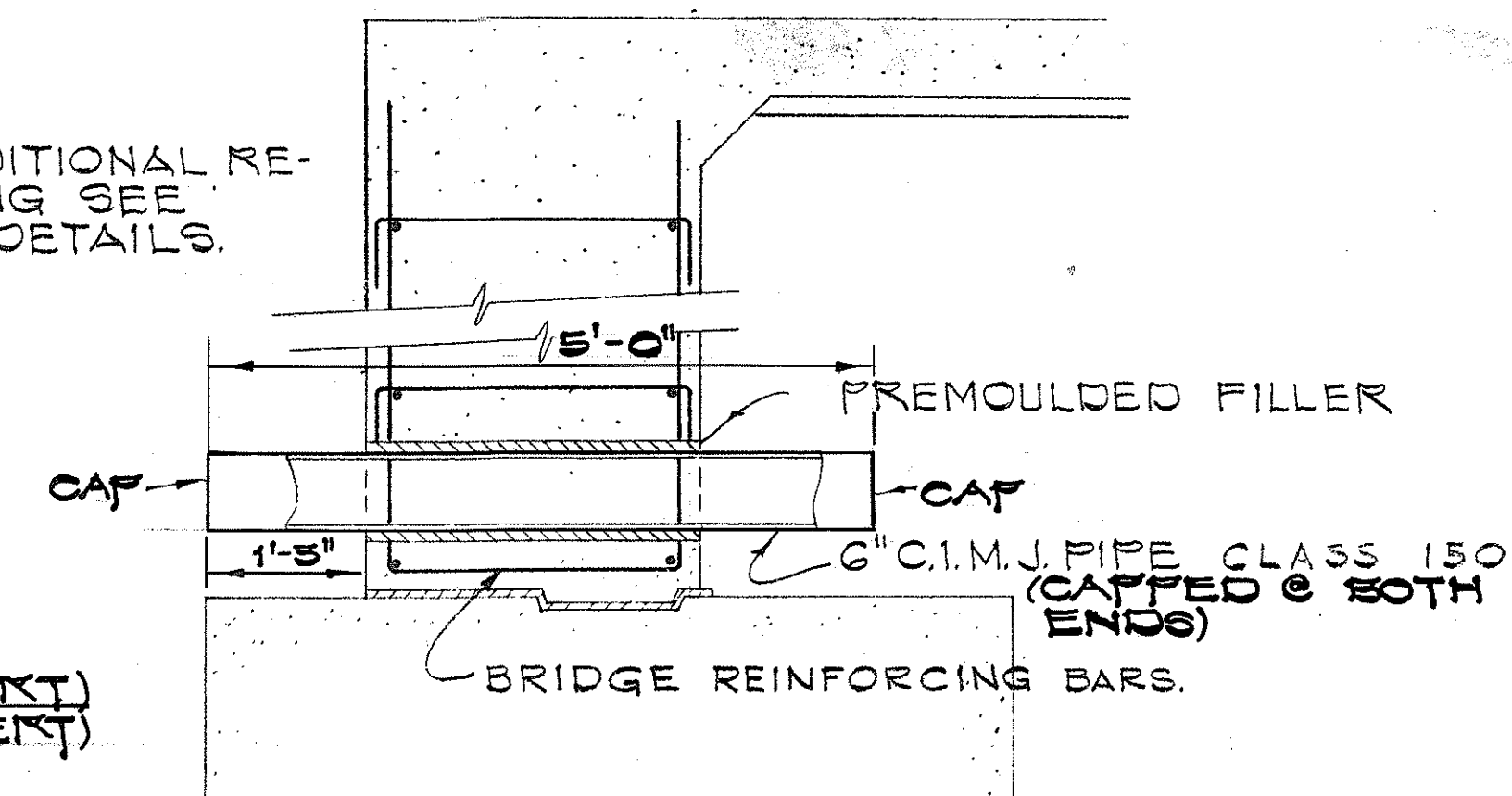
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	143-1(24)-11	1983	170	328



PROVIDE HOLE THRU END BEAM TO RECEIVE 6" C.I.M.J. PIPE WITH PREMOULDED FILLER AS REQ'D. AROUND PIPE.



NOTE:
FOR ADDITIONAL RE-
INFORCING SEE
BRIDGE DETAILS.

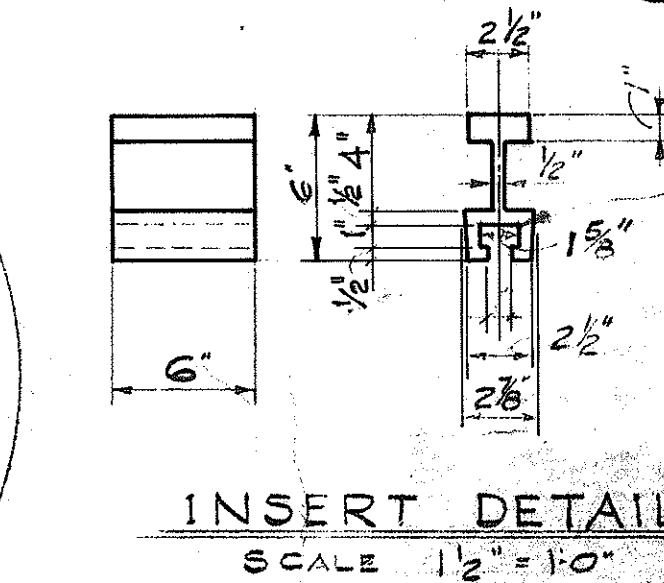
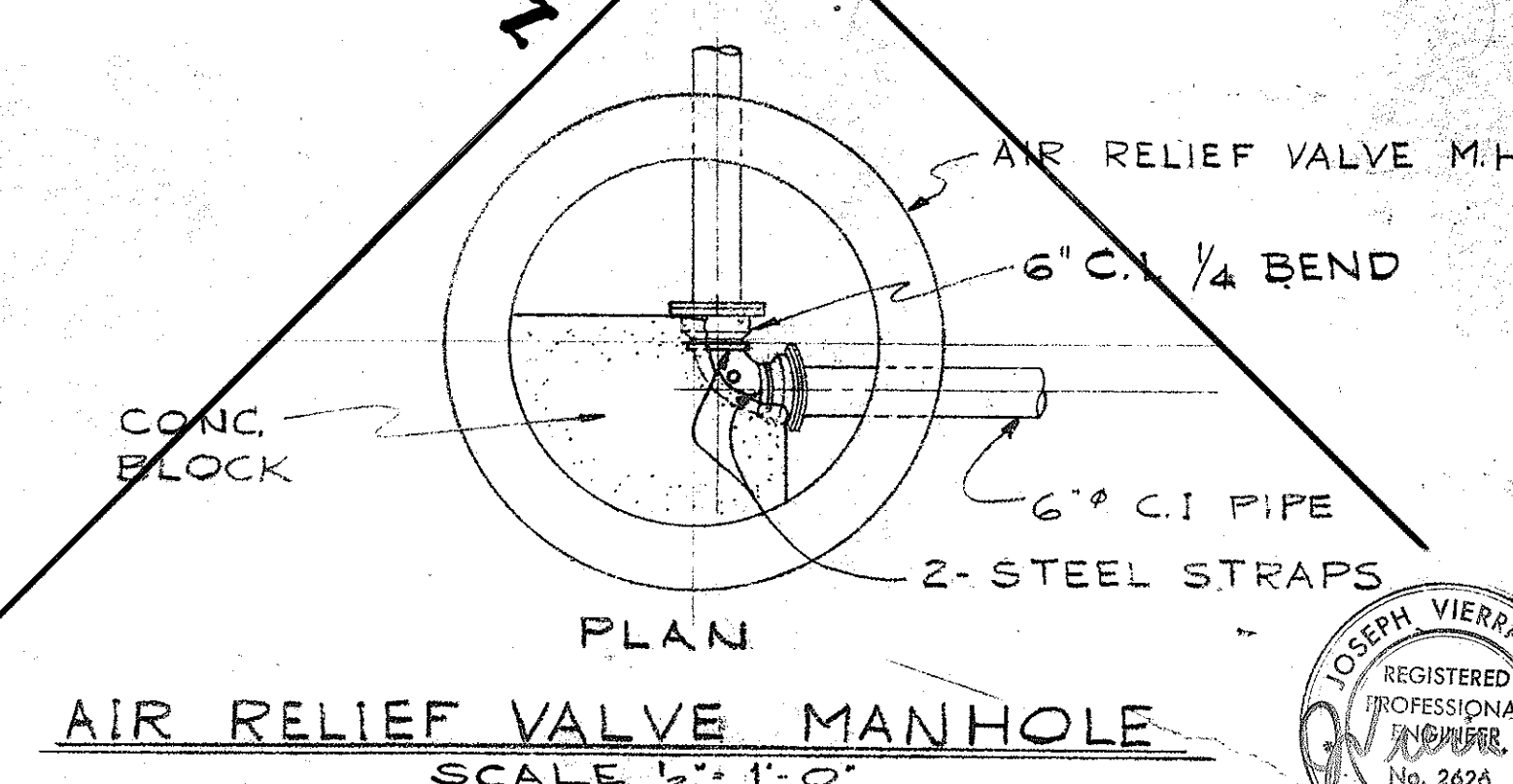
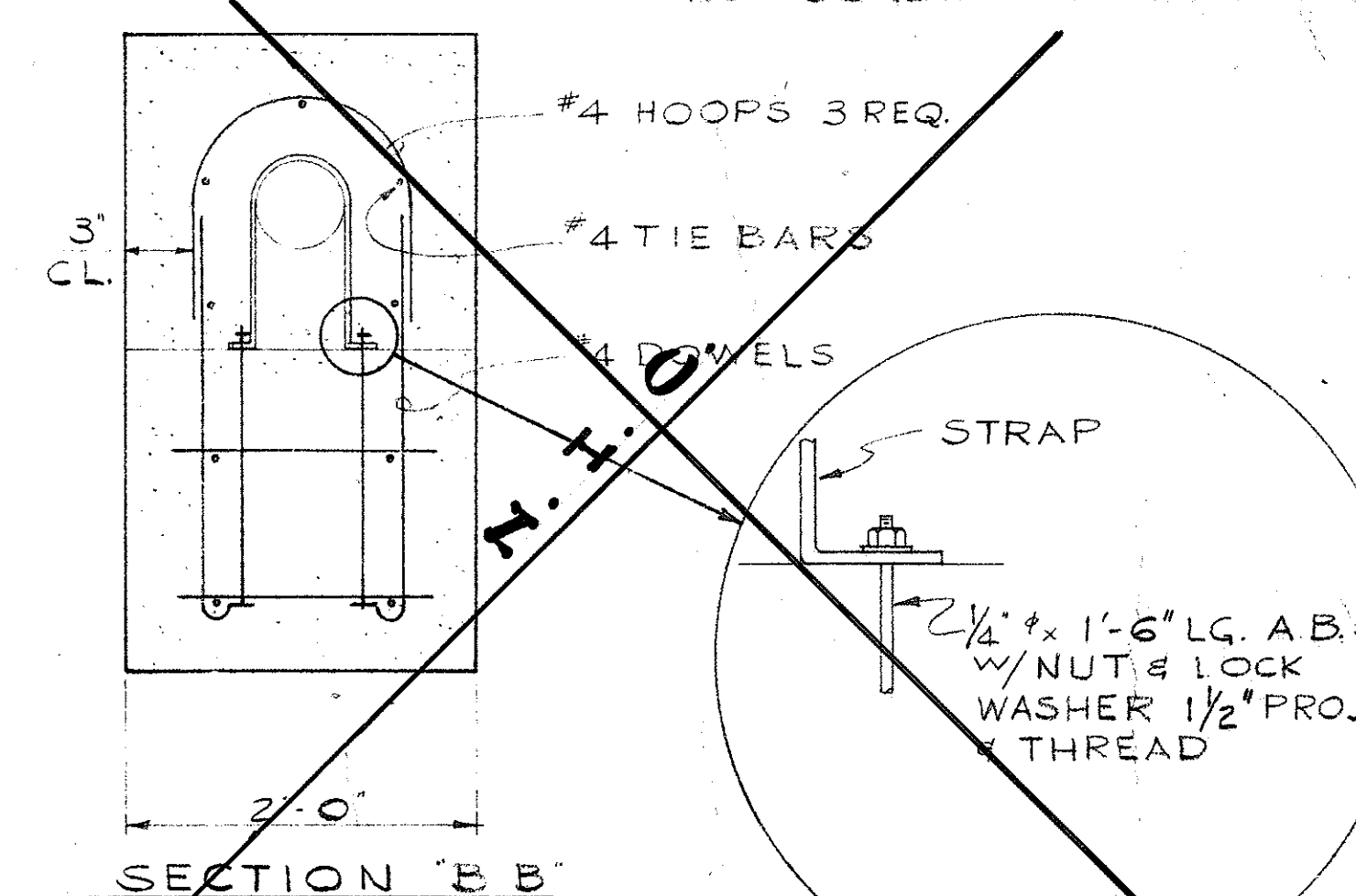
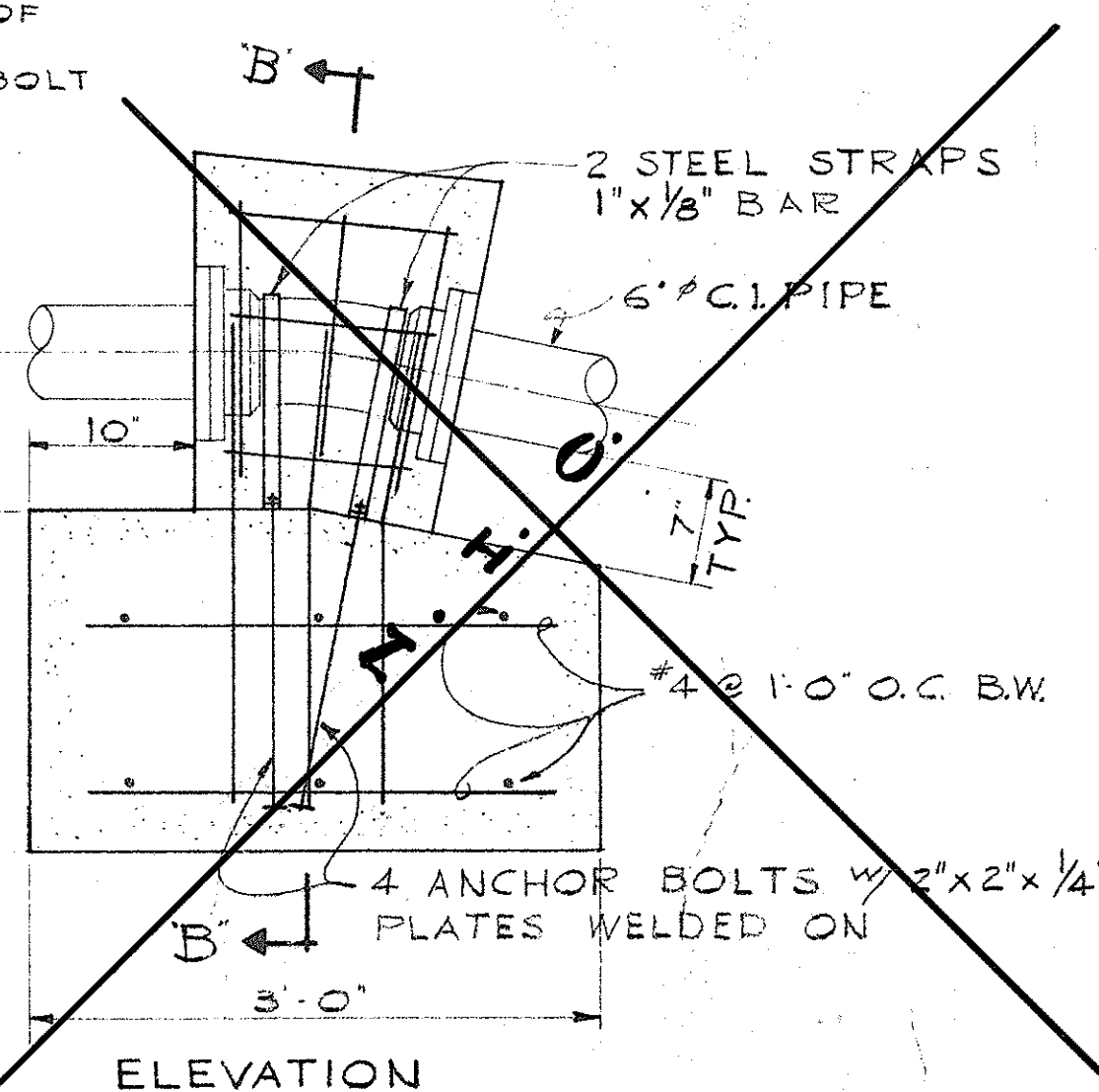


TYPICAL DETAIL AT BEAMS
SCALE: 1/2" = 1'-0"

TYPE	SIZE	4 BEND		6 BEND		16 BEND		32 BEND	
		A	B	A	B	A	B	A	B
4000 PSF SOIL	6"	8"	10"	6"	8"	3"	8"	3"	5"
2500 PSF SOIL	6"	16"	16"	9"	10"	6"	8"	4"	6"

STANDARD THRUST BLOCKS
NO SCALE

PIPE HANGER DETAILS
SCALE AS NOTED



NOTE:
CAST IRON ASTM A48 CLASS N280

CONTRACTOR TO TAKE PROPER PRECAUTIONS TO PREVENT THE CONCRETE FROM FLOWING INTO THE OPENING OF THE INSERTS.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
HALEKOU INTERCHANGE
PROJ. NO. 1-H3-1(24)-11
DETAILS
HAWAII LOA COLLEGE
FORCE MAIN

SCALE: AS SHOWN
DATE: FEB. 1975
SHEET No. 2AA OF 2 SHEETS