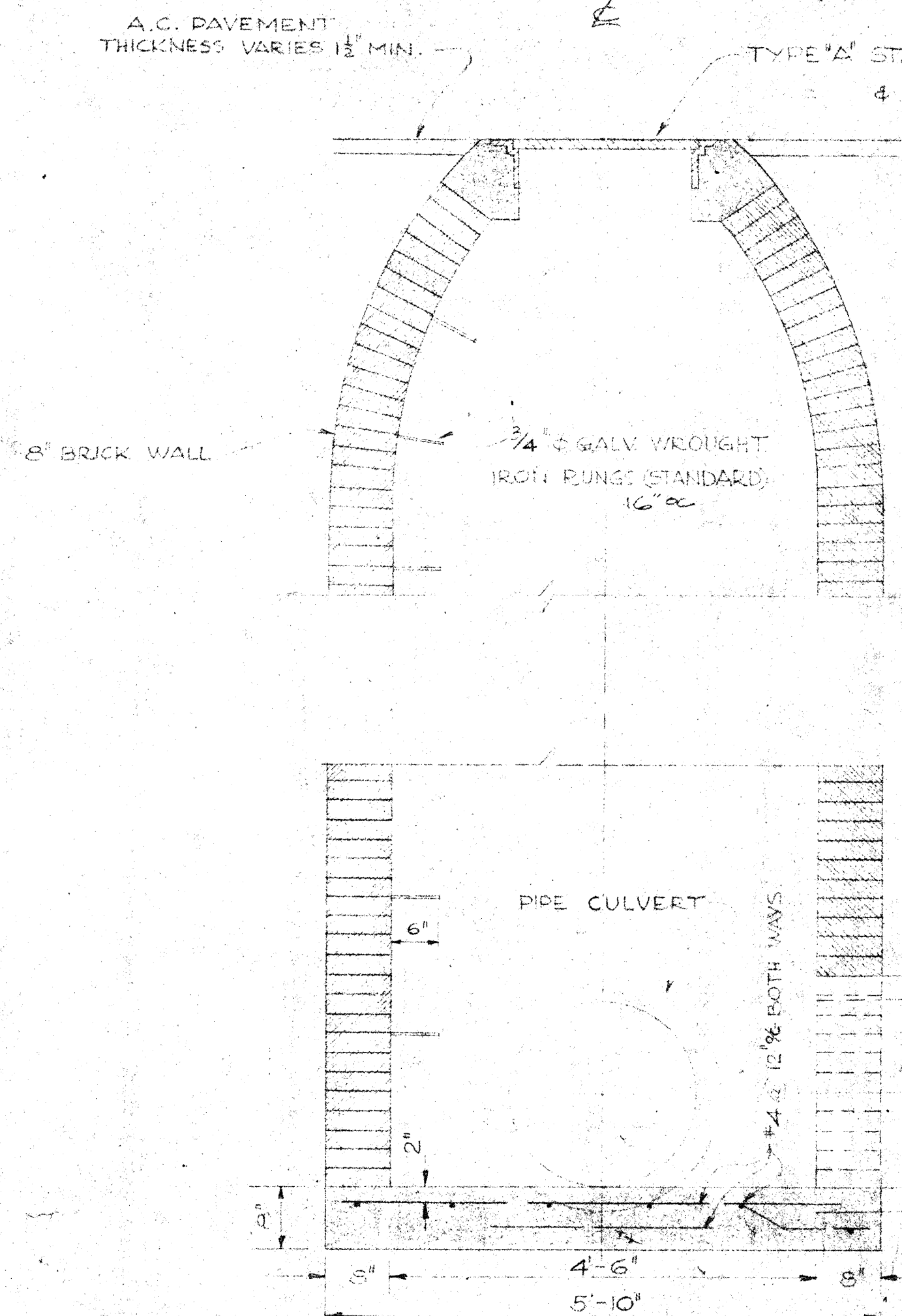
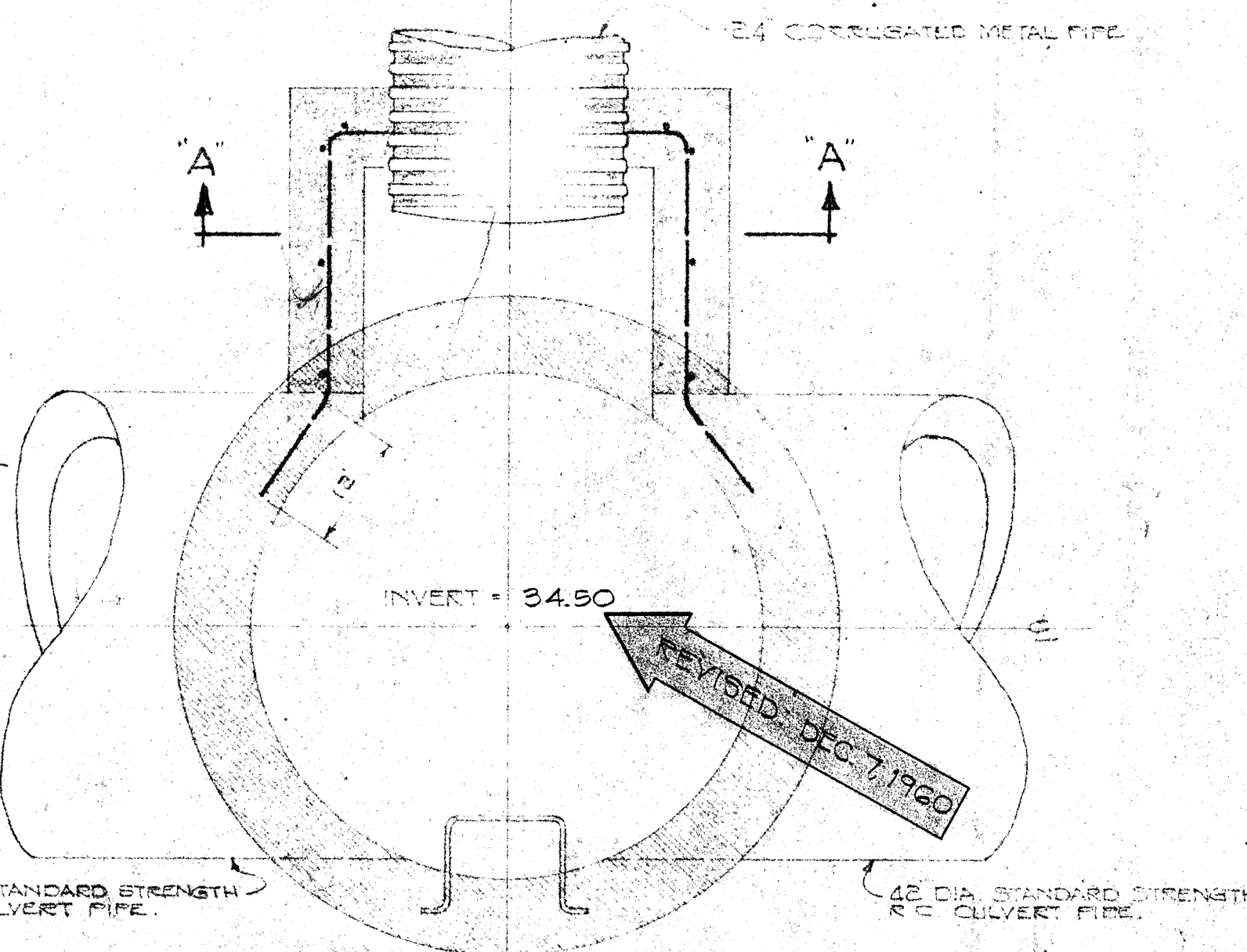
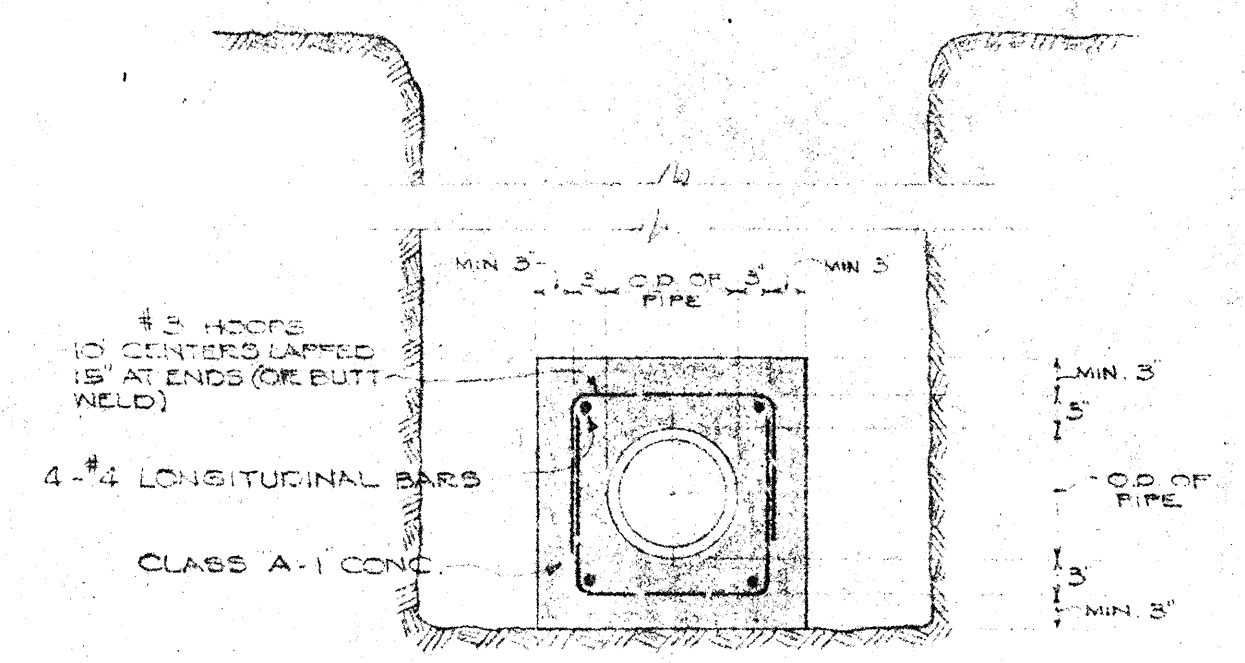
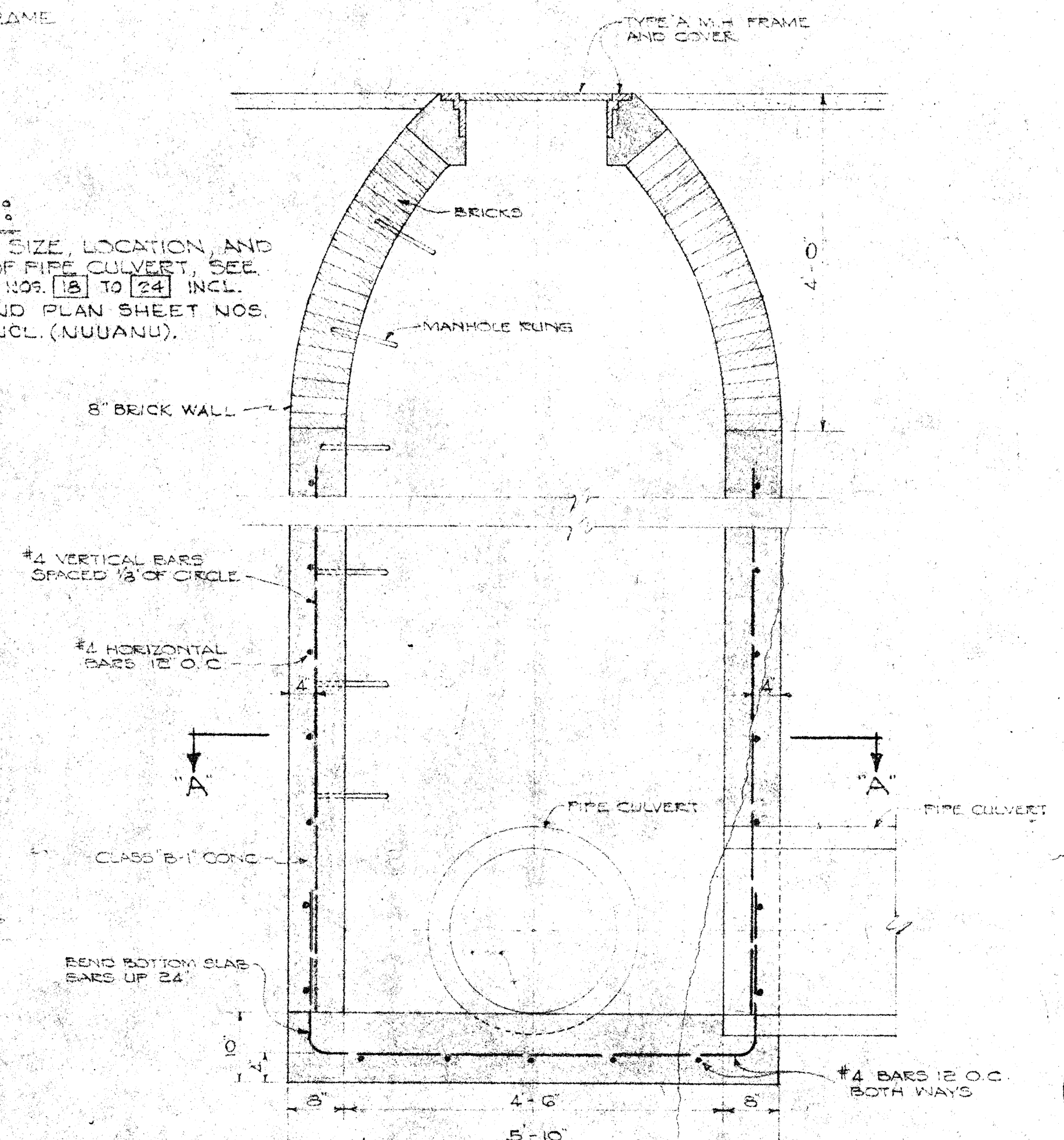


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	0-072-1(1)	1958	35	148
HAWAII	HAW	0-072-1(2)	1958	37	148

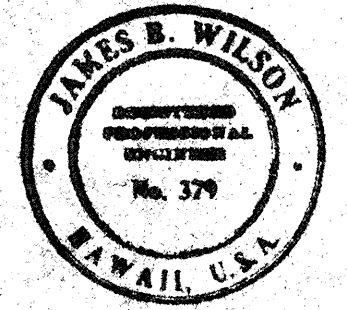
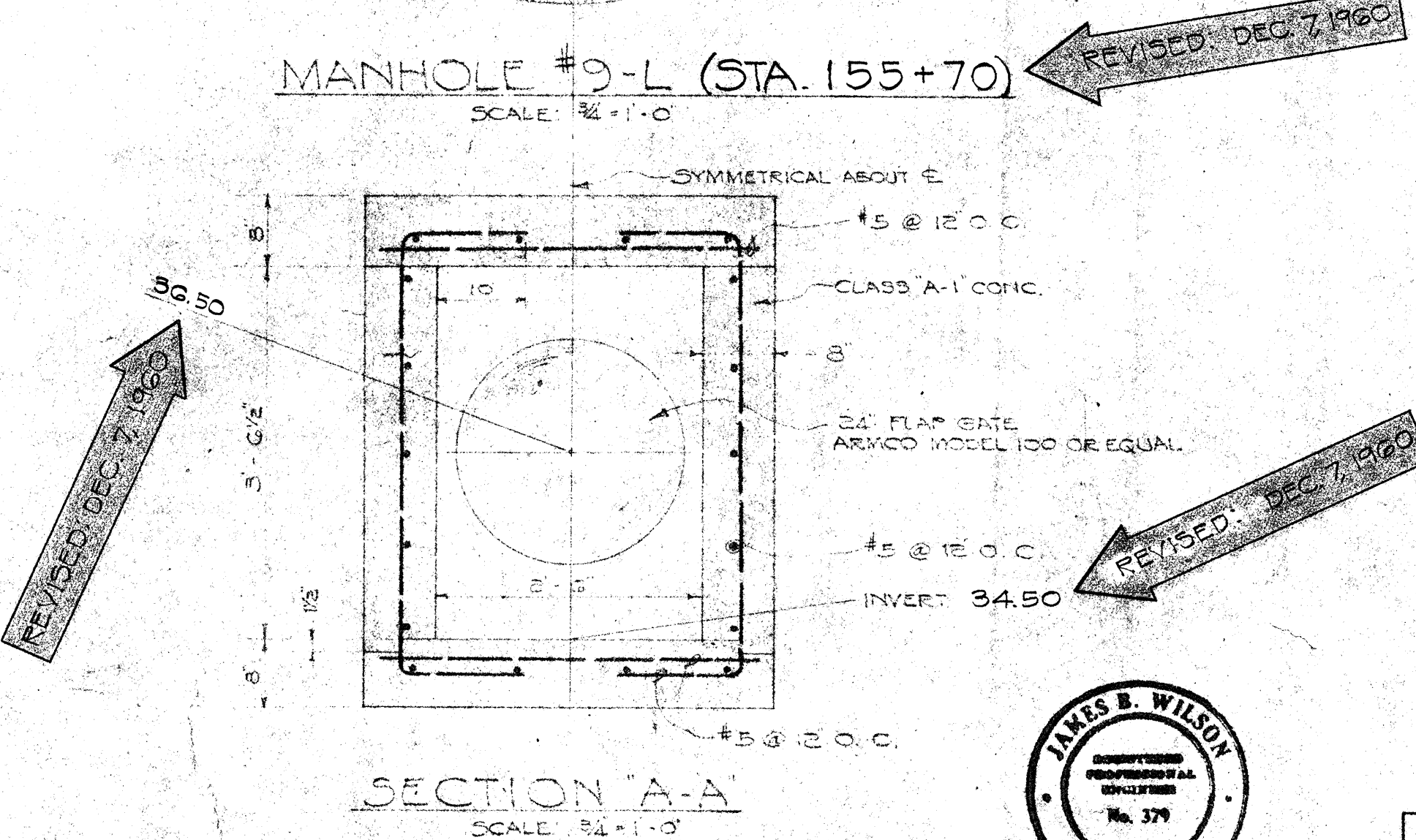
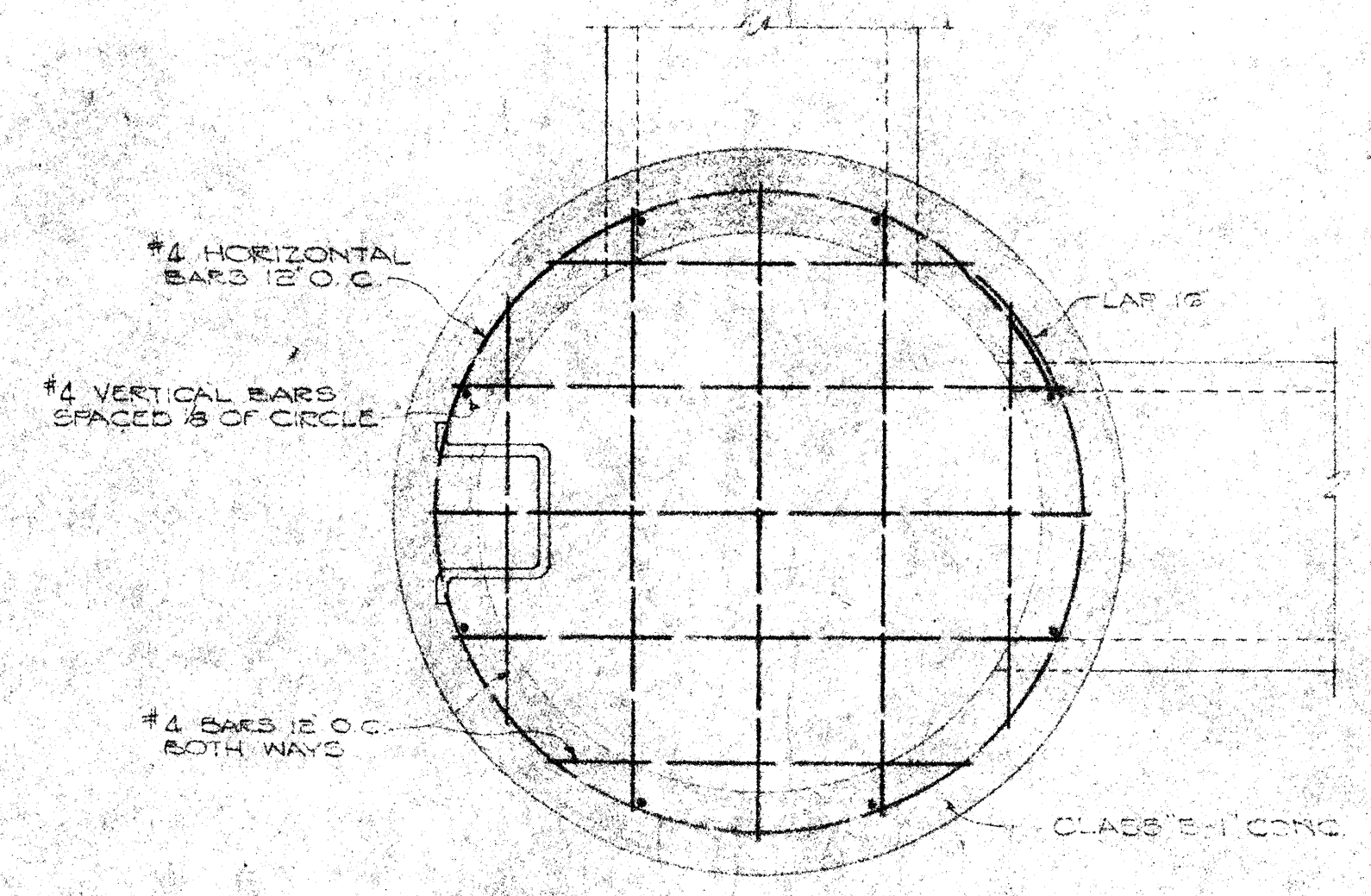
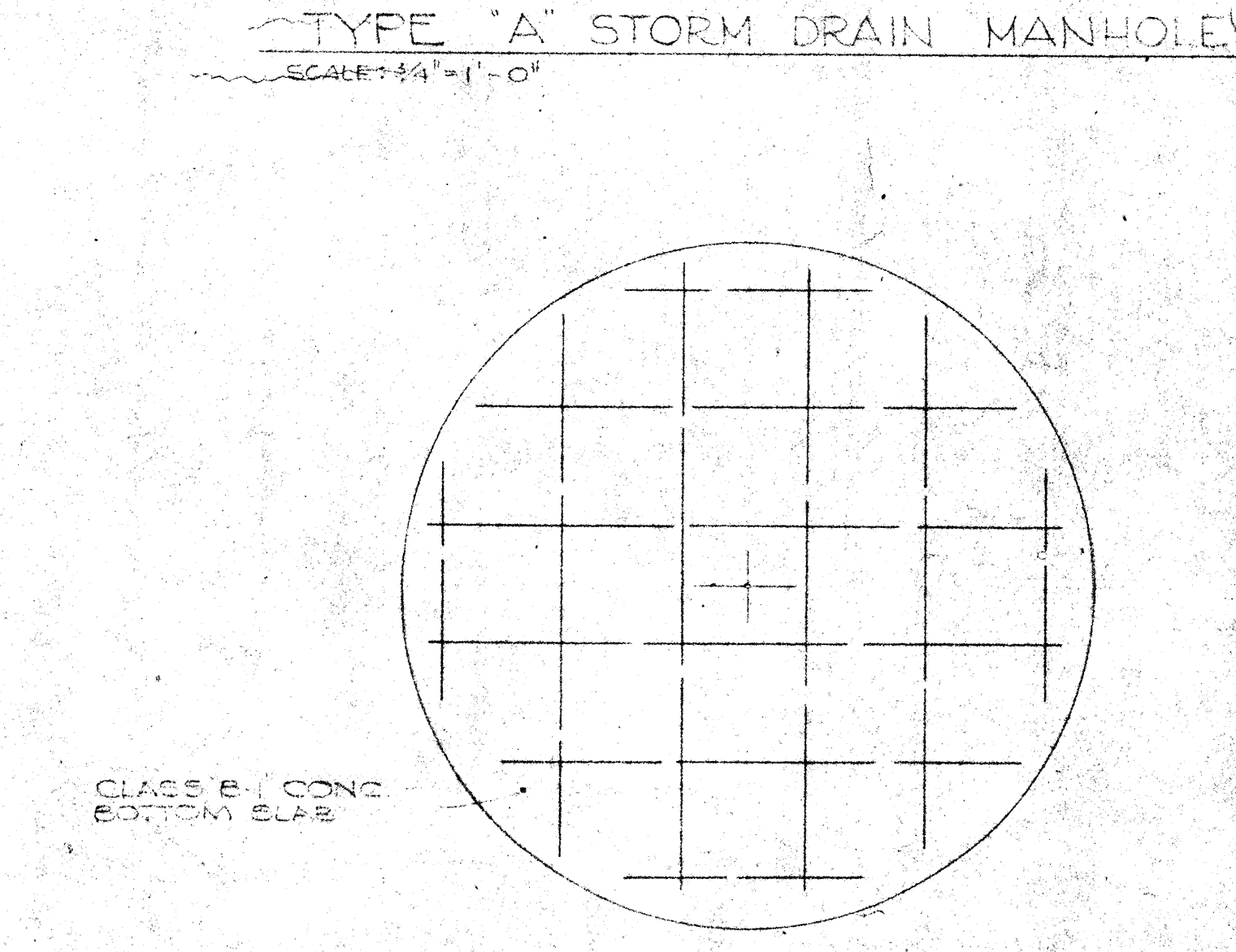


NOTE:
FOR INVERT, SIZE, LOCATION AND DIRECTION OF PIPE CULVERT, SEE PLAN SHEET NOS. [18] TO [24] INCL. (LUNALILO) AND PLAN SHEET NOS. [25] TO [31] INCL. (NUUANU).



SUMMARY OF DRAINAGE PIPE ALTERNATES					
FROM	TO	LENGTH	ALTERNATE A REIN. CONC. PIPE	ALTERNATE B METAL PIPE	
CB 1N	MH 1N	42'	24" ES	24" 14ga	
CB 2N	EXIST CB	44'	24" ES	24" 14ga	
MH 1N	EXIST MH	146'	24" ES	24" 14ga	
CB 3N	MH 1N	48'	24" ES	24" 14ga	
CB 4N	MH 1N	172'	24" ES	24" 14ga	
CB 5N	EXIST CB	250'	24" SS	24" 14ga	
CB 6N	CB 11L	8'	24" SS	24" 14ga	
CB 7N	CB 8N	80'	30" ES	30" 14ga	
CB 8N	MH 4L	58'	30" ES	30" 14ga	
CB 9N	CB 7N	50'	30" ES	30" 14ga	
CB 17N	CB 9N	34'	24" ES	24" 14ga	
CB 10N	CB 7N	392'	24" SS	24" 14ga	
CB 11N	CB 10N	40'	24" ES	24" 14ga	
CB 12N	CB 11N	32'	24" ES	24" 14ga	
MH 2N	CB 10N	182'	24" ES	24" 14ga	
CB 13N	MH 2N	52'	24" ES	24" 14ga	
MH 3N	MH 2N	193'	24" SS	24" 14ga	
CB 14N	MH 3N	14'	24" ES	24" 14ga	
MH 4N	MH 3N	224'	24" SS	24" 14ga	
CB 15N	MH 4N	48'	24" ES	24" 14ga	
CB 16N	MH 4N	66'	24" ES	24" 14ga	
CB 5N	EXIST CB	55'	24" ES	24" 14ga	
CB 8N	MH 4L	24'	30" SS	30" 14ga	
CB 9N	CB 7N	28'	30" SS	30" 14ga	
CB 11N	CB 10N	36'	24" SS	24" 14ga	
CB 14N	MH 3N	12'	24" SS	24" 14ga	
MH 3N	MH 2N	90'	24" ES	24" 14ga	

NOTE:
1. Brick Walls shall be paid for under item No. 46(5), 37(4) and 37(4a).
2. Concrete and Reinf. Steel in Walls and Footings shall be paid for under item No. 46(2) and 48(1), respectively.



TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
LUNALILO FREEWAY
PROJECT NO. F-072-1(1), UNIT 3
NUUANU HIGHWAY
PROJECT NO. BU-061-1(2), UNIT 4
DETAIL OF STORM DRAIN MANHOLES
SCALE AS NOTED

LAW & WILSON • TUDOR • TOWILL
ARCHITECTS • ENGINEERS • SURVEYORS
James B. Wilson
REGISTERED ENGINEER
DATE JUL 3 1957

See Project No. F-072-1(1), Unit 3
for Tracing

SURVEY NOTED BY	DATE
DESIGNED BY	
DRAWN BY	
CHECKED BY	
NOTE BOOK	
QUANTITIES CHECKED BY	
CHECKED BY	
NO.	