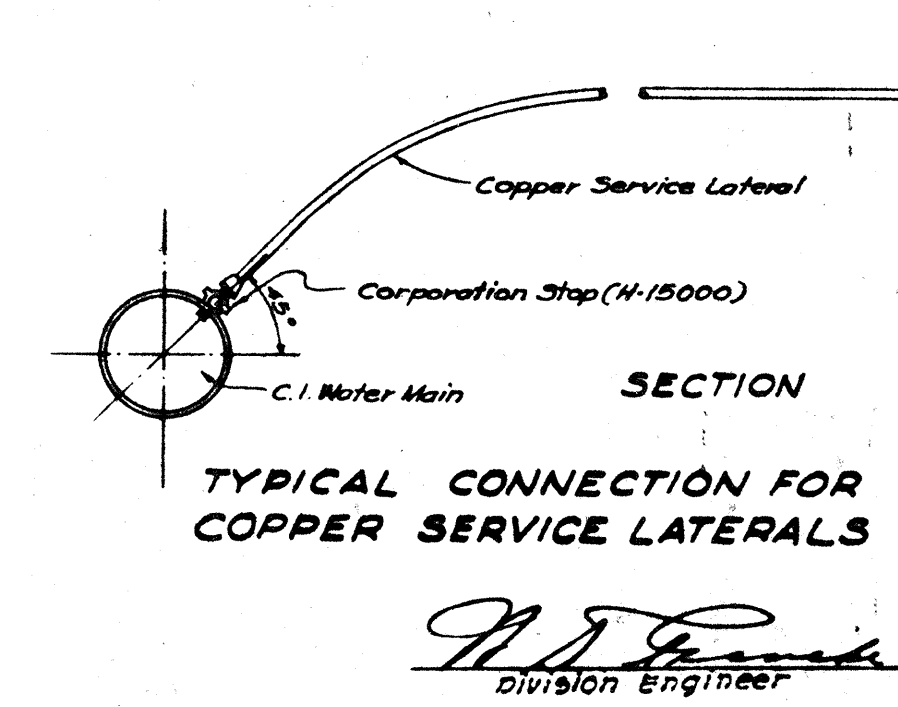
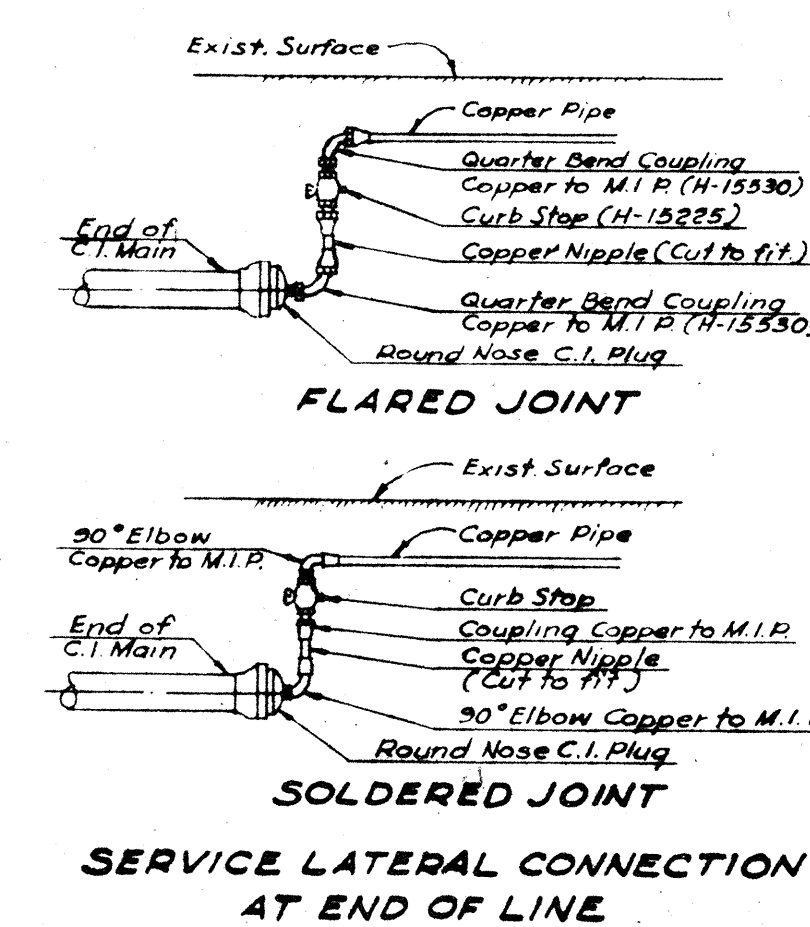
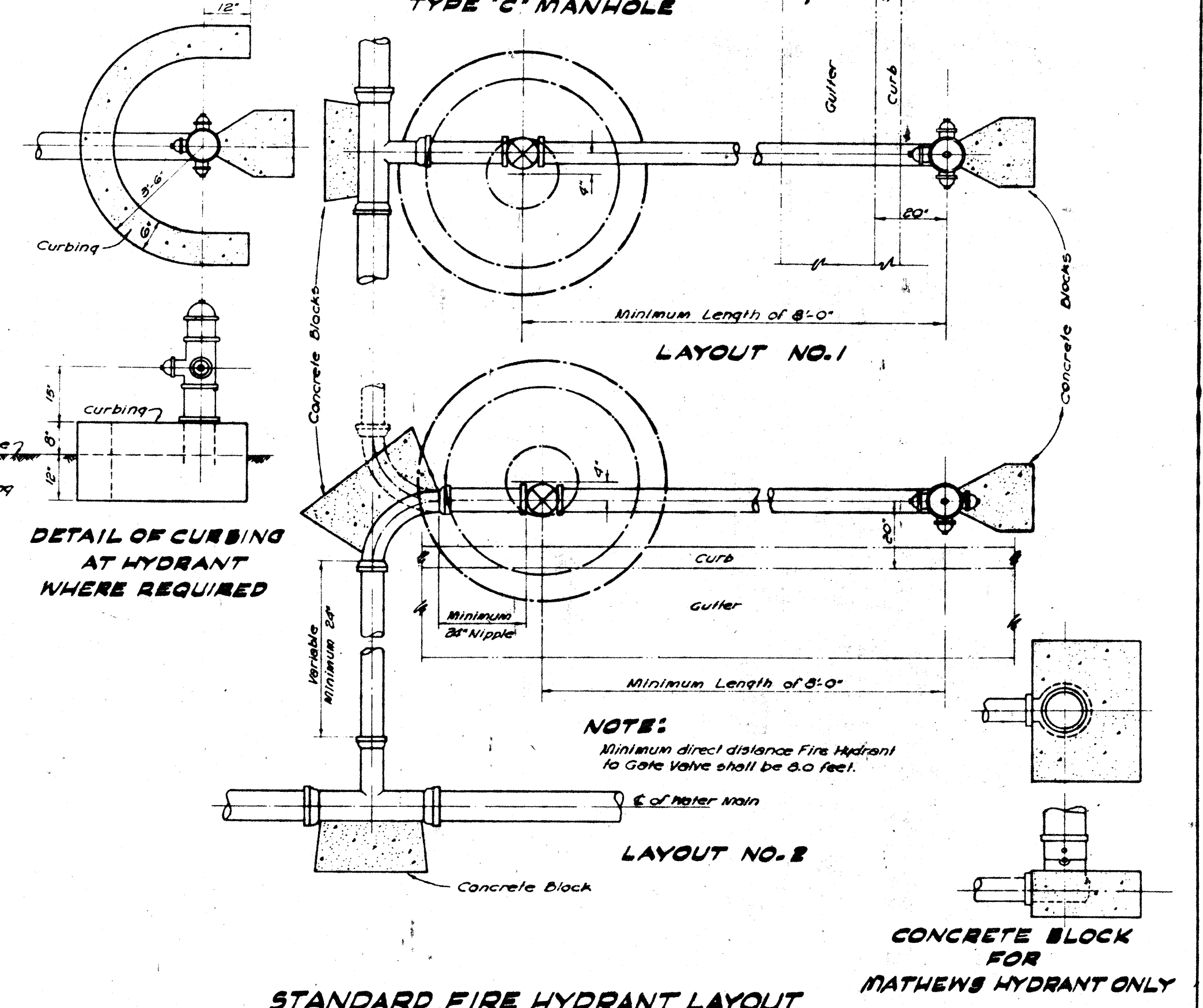
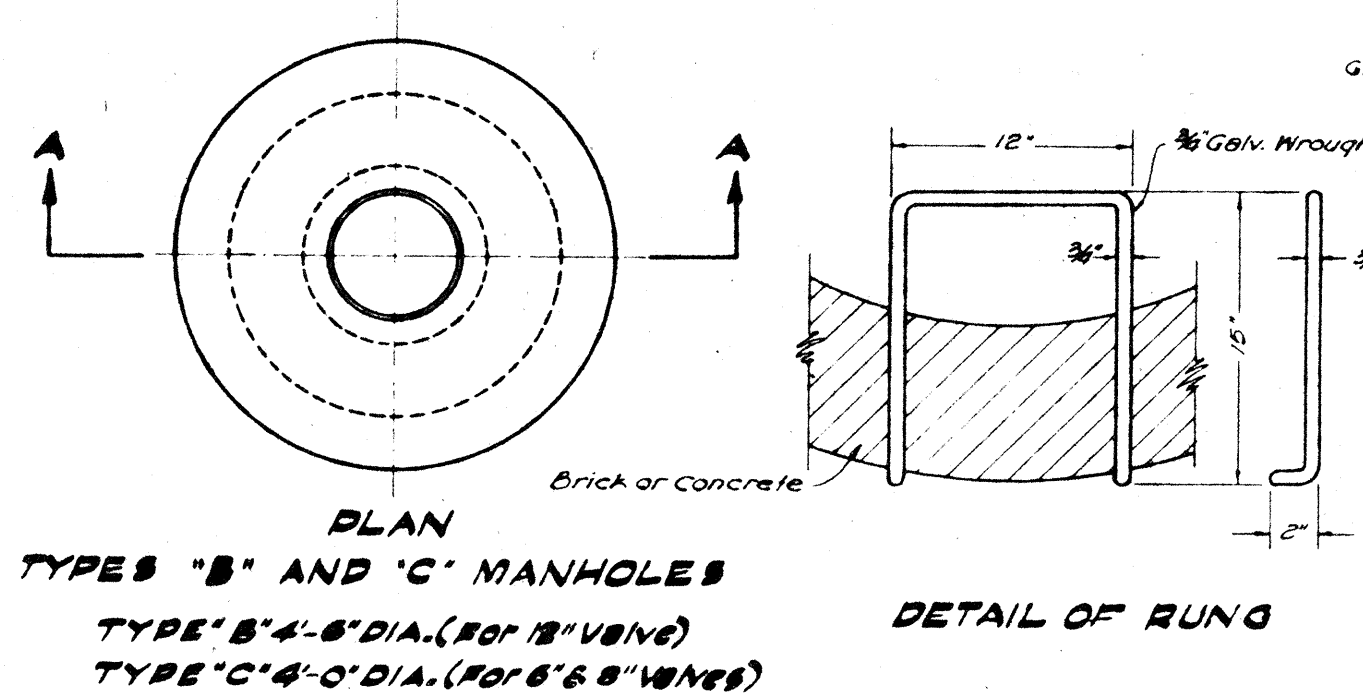
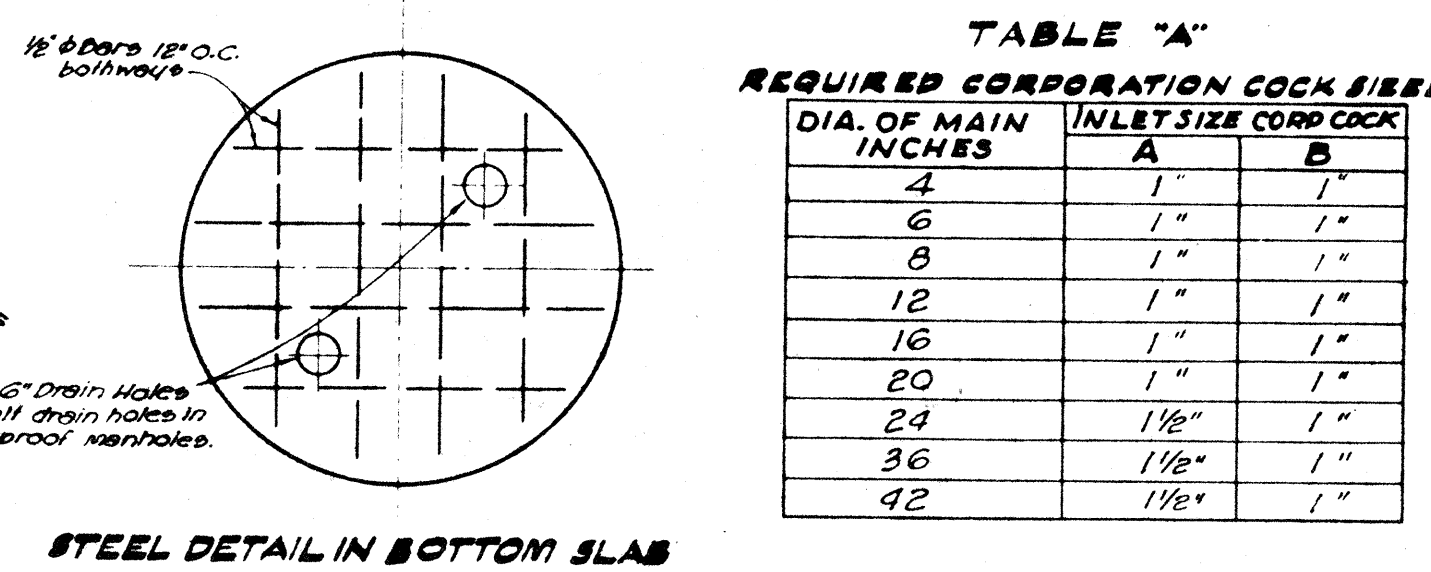
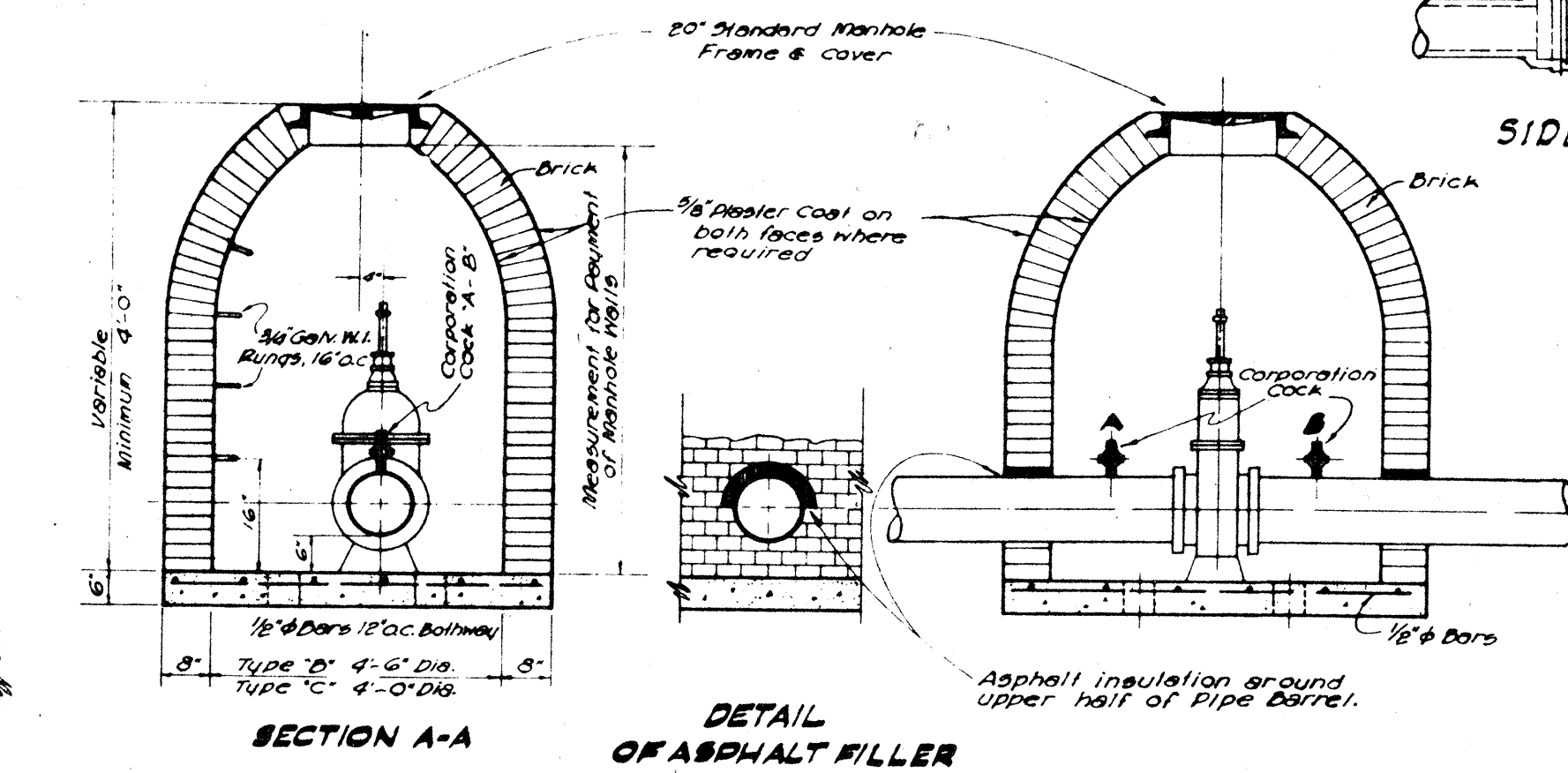
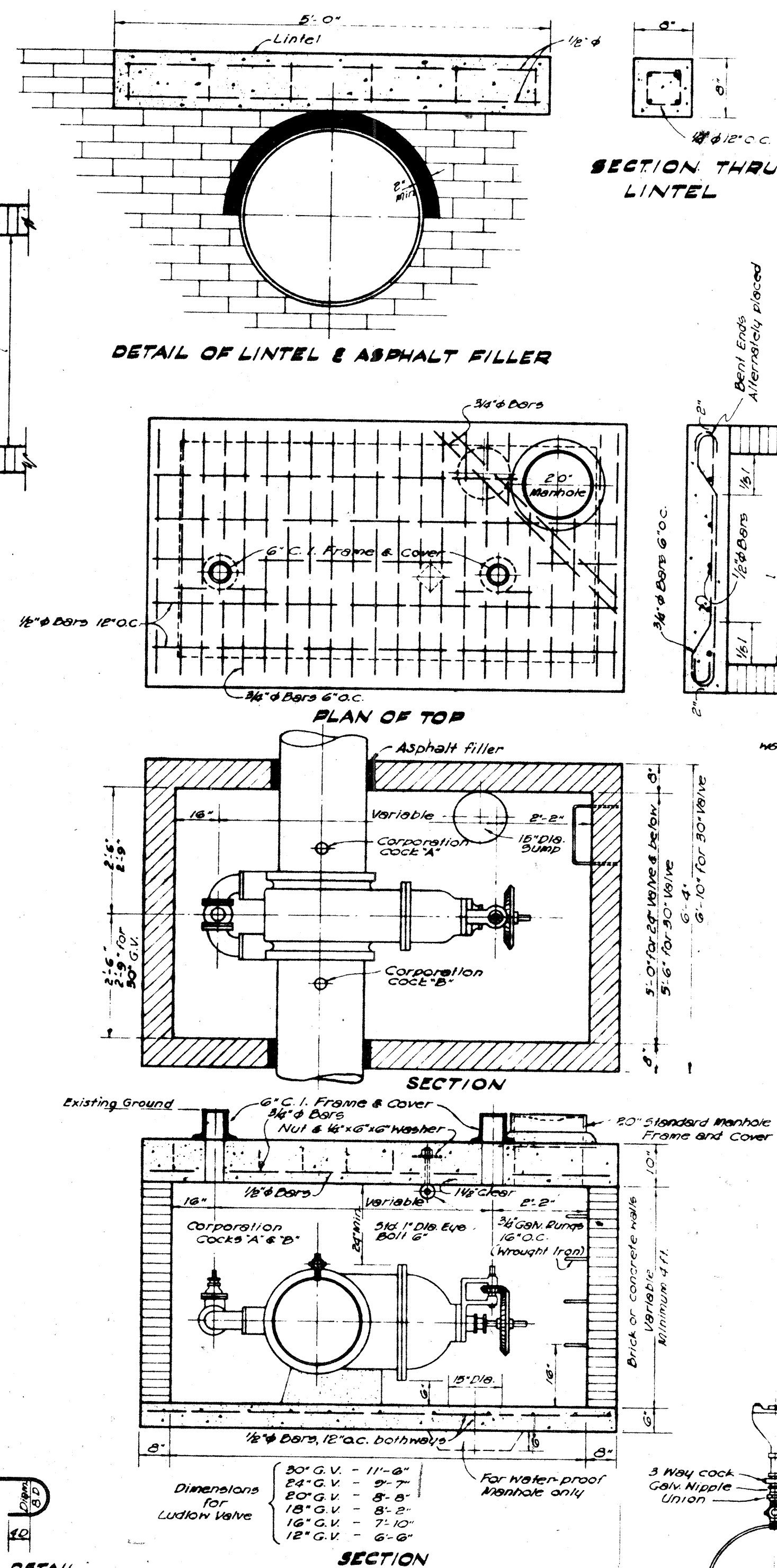
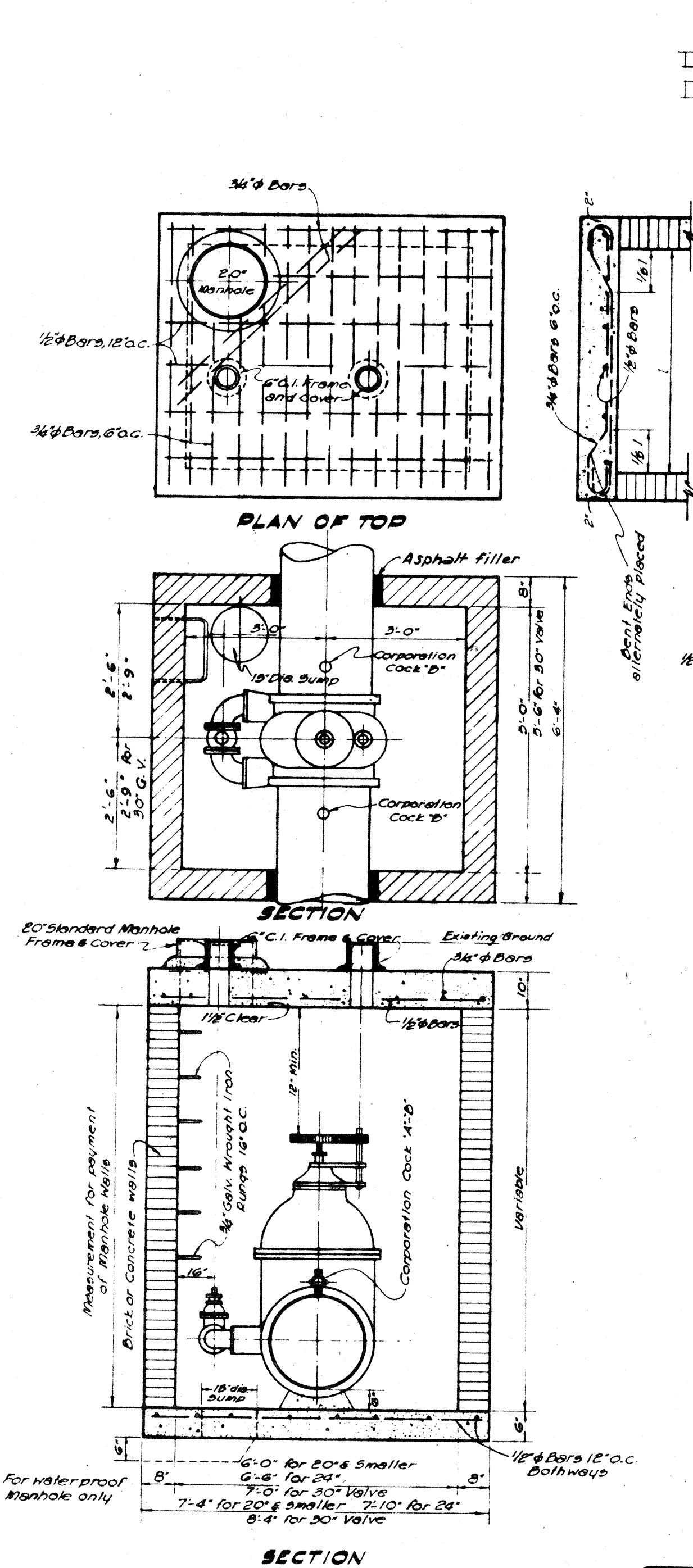




STANDARD DETAILS

APPROVED: [Signature]

SCALE: [Blank]

DATE: OCT. 31, 1950

BOARD OF WATER SUPPLY

HAWAII STATE HIGHWAY DEPARTMENT

STATE OF HAWAII

KEEAUMOKU SEPARATION

PROJECT NO. U-072-1 (8)

SHEET NO. 2 OF 3 SHEETS

DRAWN BY: D.A.A.

TRACED BY: R.H.

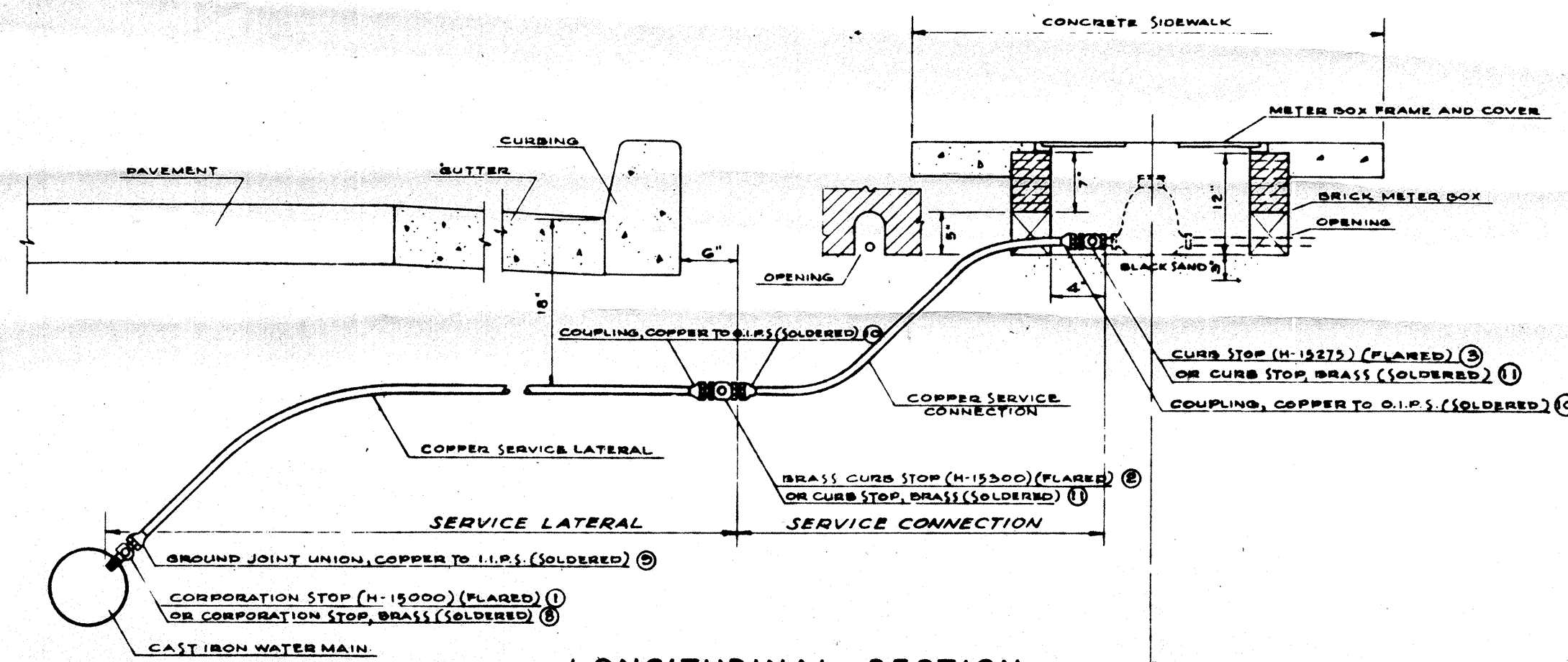
CHECKED BY: S.E.

ENGINEER: W.S.F.

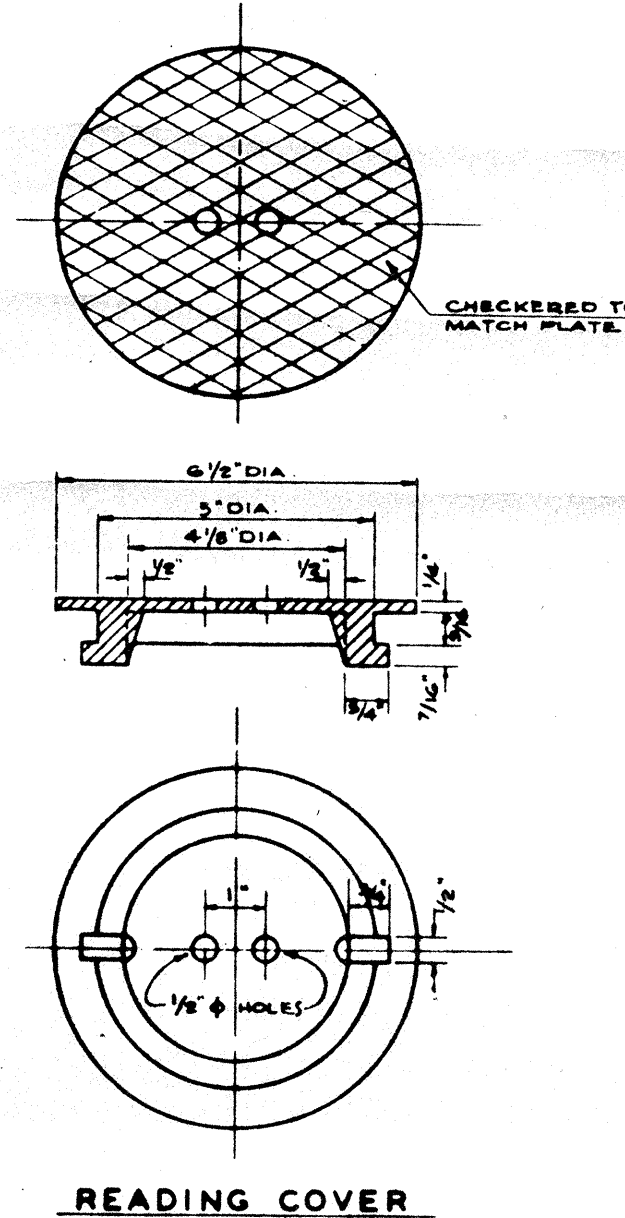
DRAWING NO. 1367

FILE 1

POCKET FOLDER NO. 13 2 10



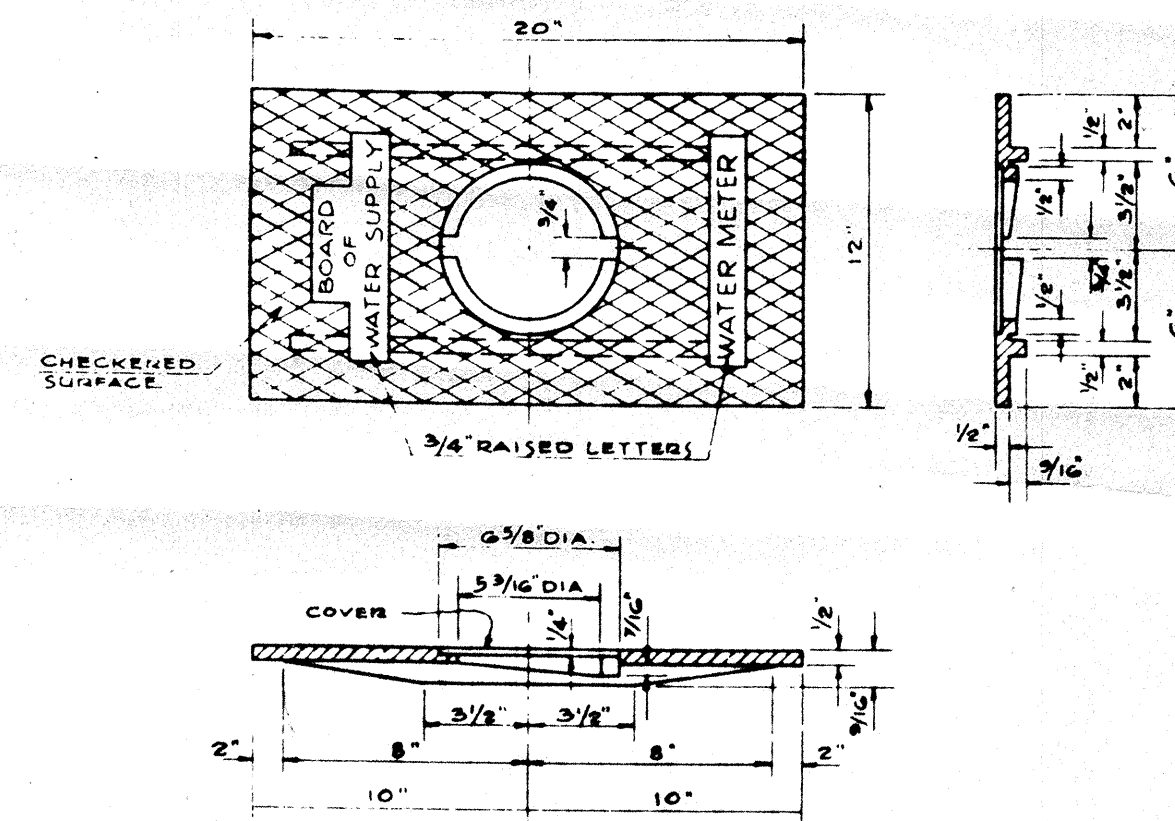
LONGITUDINAL SECTION



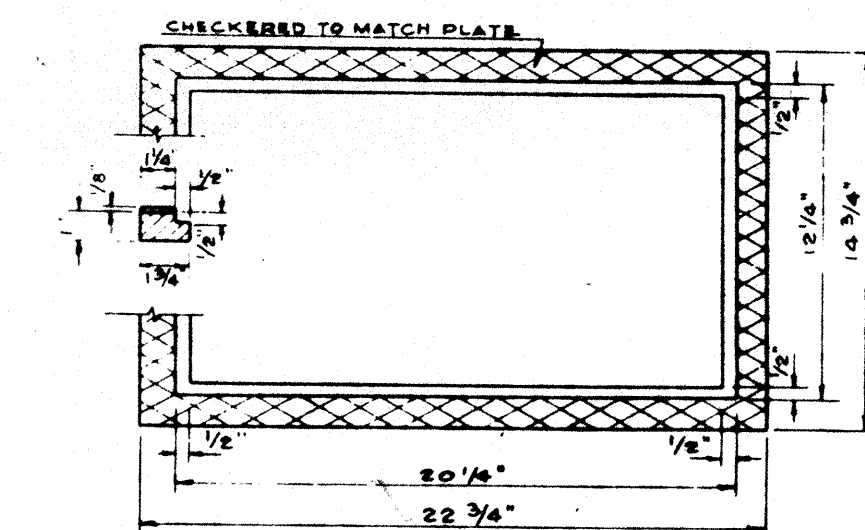
READING COVER

CHECKERED PATTERN

CAST IRON COVER FOR TYPE I & TYPE II FRAMES

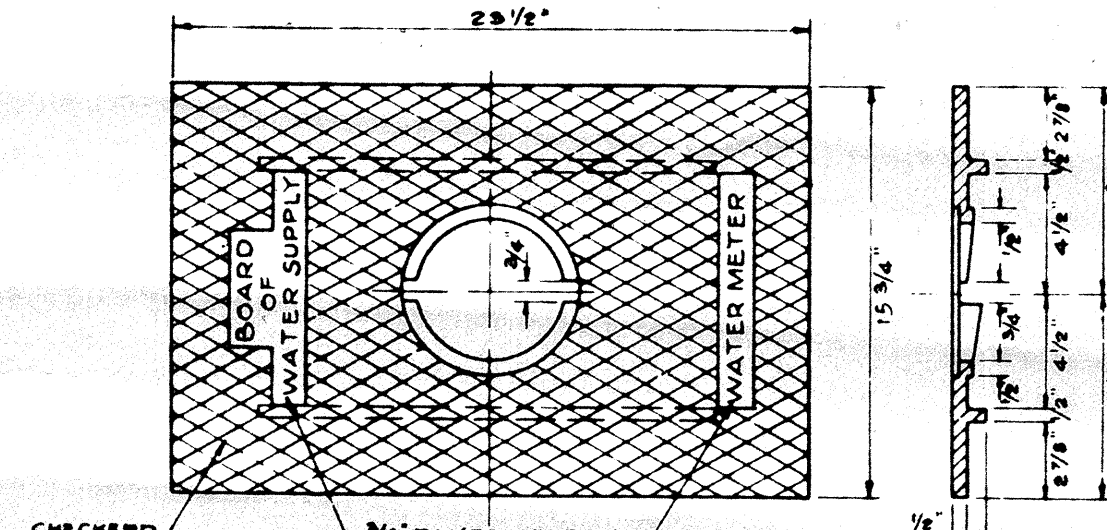


COVER PLATE

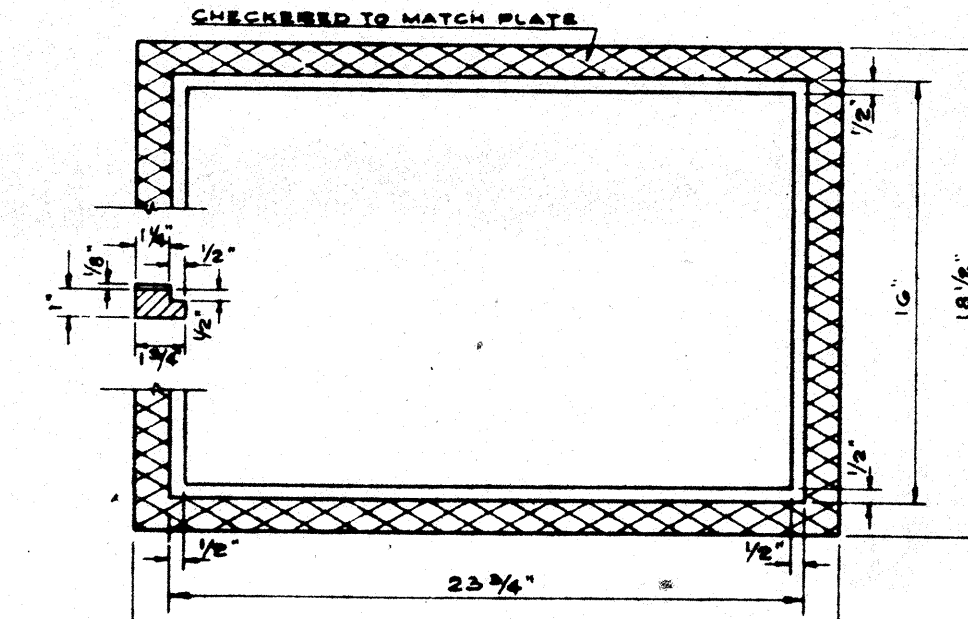


FRAME

CAST IRON FRAME AND PLATE TYPE I

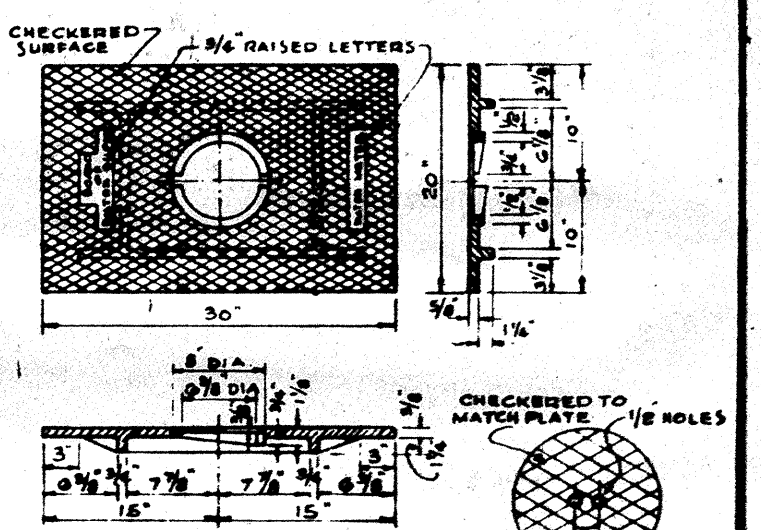


COVER PLATE

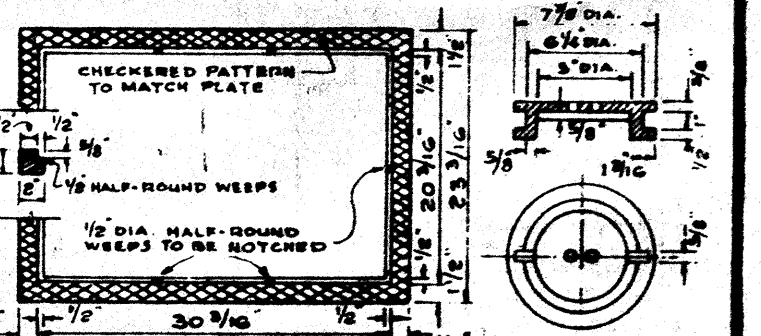


FRAME

CAST IRON FRAME AND PLATE TYPE II

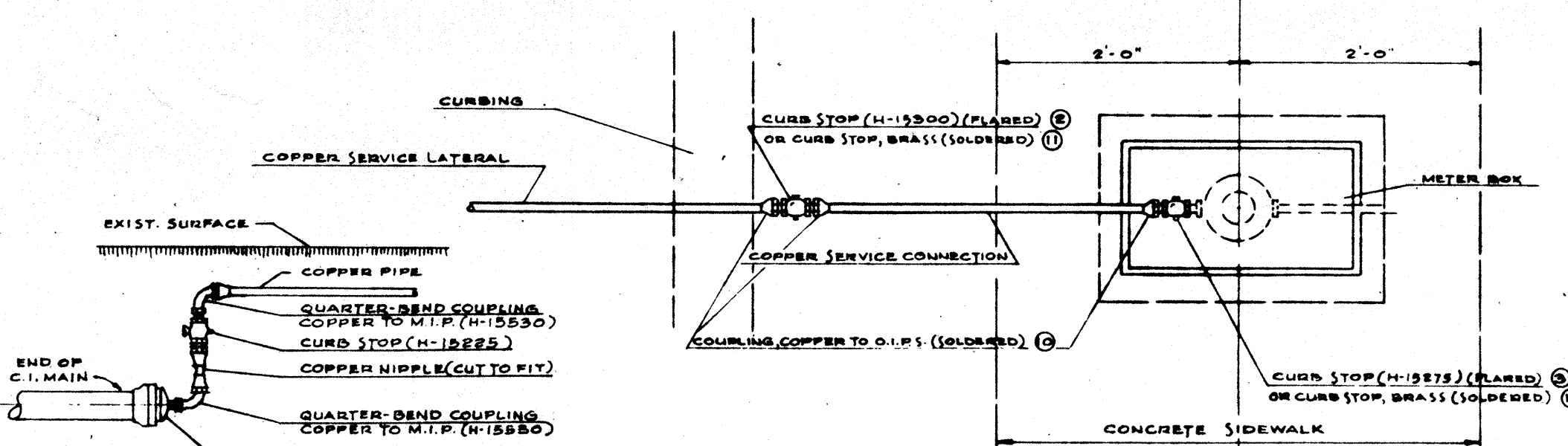


PLATE

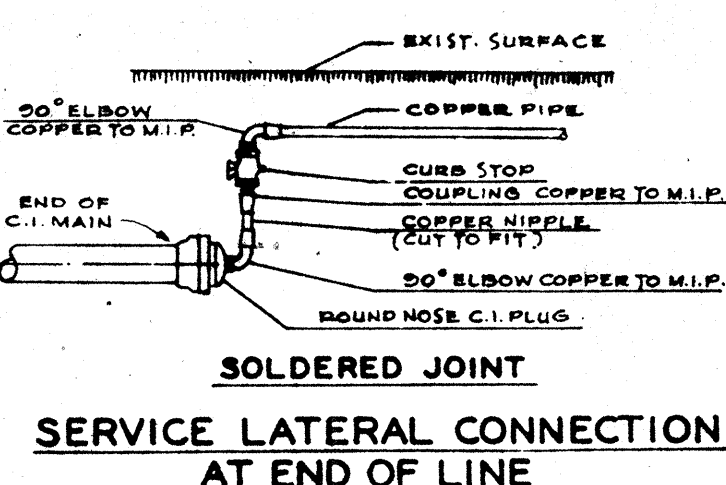


FRAME

CAST IRON FRAME, PLATE & COVER TYPE III



SINGLE SERVICE CONNECTION



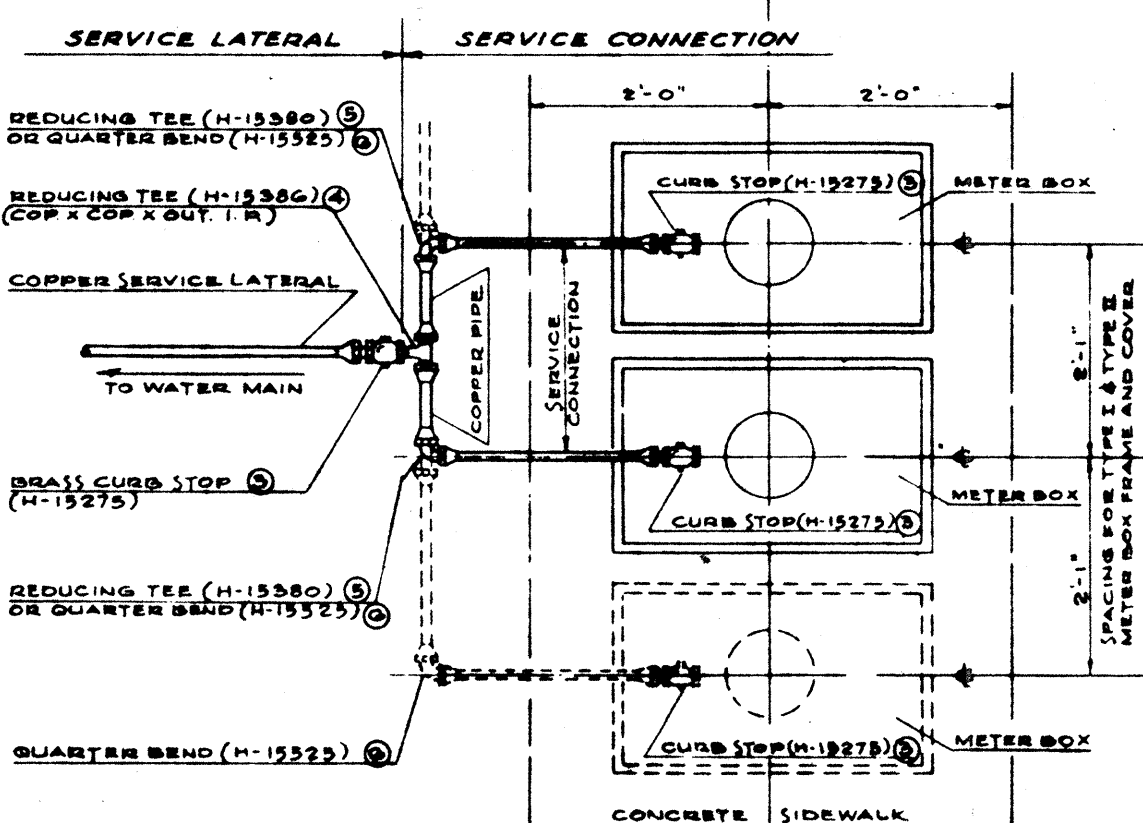
FLARED JOINT

SOLDERED JOINT

SERVICE LATERAL CONNECTION AT END OF LINE

ITEM NO.	DESCRIPTION	SINGLE SERVICE CONN.	MULTIPLE SERV. CONN. TWO SERVICES	MULTIPLE SERV. CONN. THREE SERVICES
1	CORPORATION STOP WITH STRAIGHT COUPLING NUT (H-15000)	1	1	1
2	BRASS CURB STOP (H-15200)	1	-	-
3	CURB STOP WITH TUBE NUTS - COPPER TO INSIDE I.P. (H-15275)	1	3	4
4	REDUCING TEE WITH TUBE NUTS - COPPER TO COPPER TO OUTSIDE I.P. (H-15386)	-	1	1
5	REDUCING TEE WITH TUBE NUTS - COPPER TO COPPER (H-15380)	-	-	1
6	1/2 BEND UNION COUPLING WITH TUBE NUTS - COPPER TO COPPER (H-15525)	-	2	2
7	THREE PART UNION COUPLING (H-15400) OR SOLDER COUPLING	-	-	-

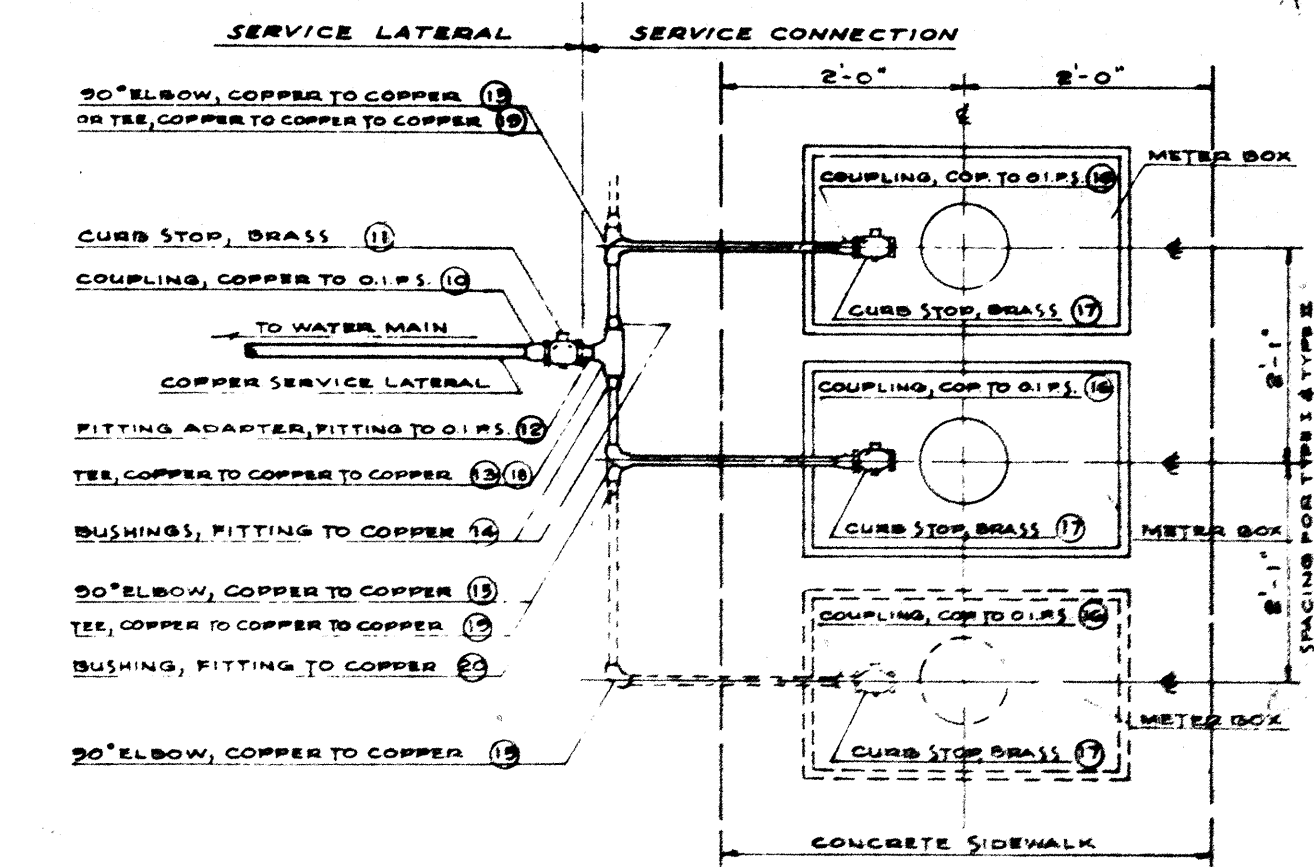
NOTE: REFERENCE NUMBERS SHOWN ARE FROM MUELLER CATALOG "H" FOR PURPOSES OF IDENTIFYING FITTINGS. APPROVED EQUAL MAY BE USED.



MULTIPLE SERVICE CONNECTION FLARED JOINTS

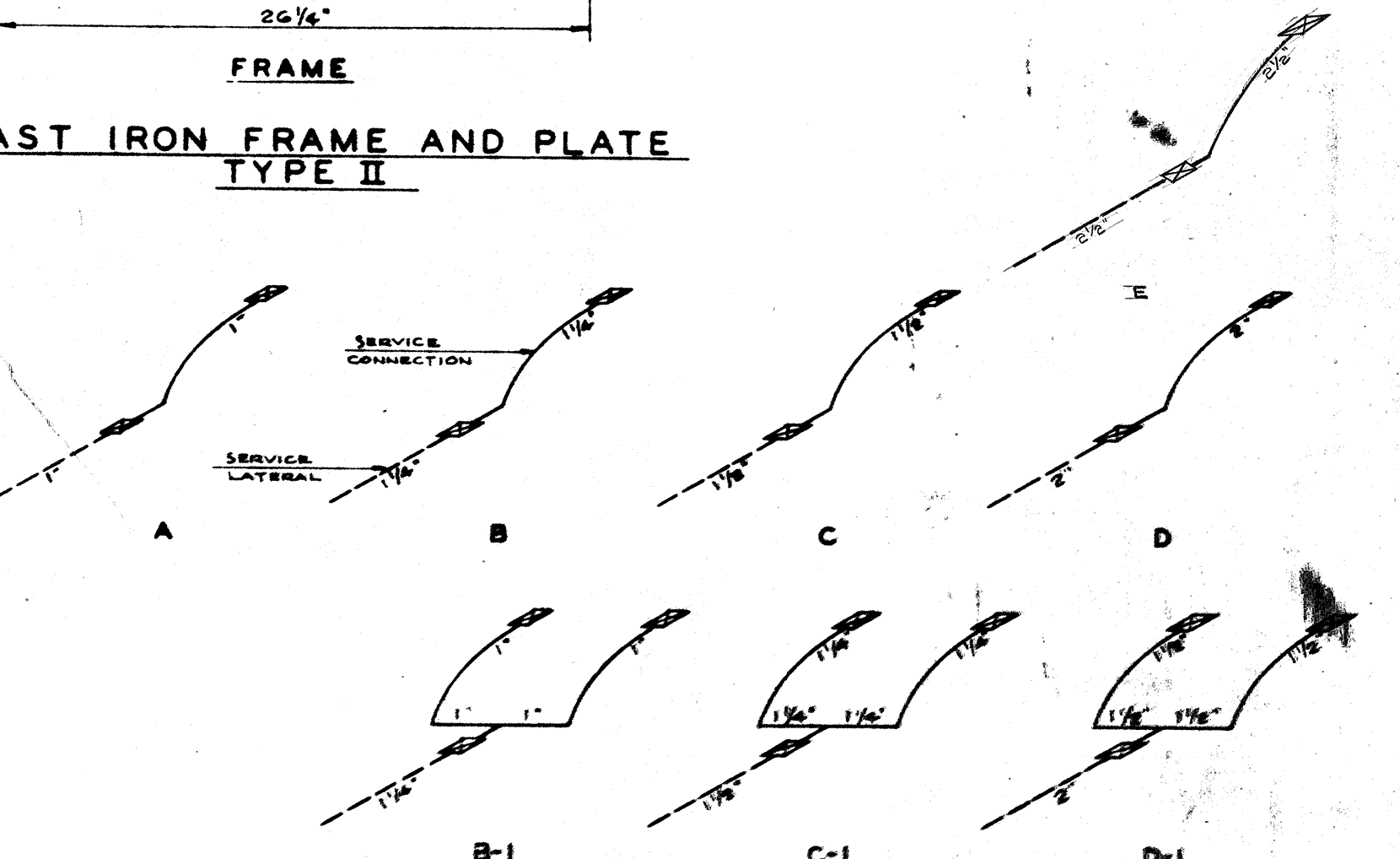
ITEM NO.	DESCRIPTION	SINGLE SERVICE CONN.	MULTIPLE SERV. CONN. TWO SERVICES	MULTIPLE SERV. CONN. THREE SERVICES
8	CORPORATION STOP, BRASS (H-15000)	1	1	1
9	GROUND JOINT UNION/A-15527 COPPER TO I.P.S. (A-1527)	1	1	1
10	COUPLING, COPPER TO O.I.P.S. (A-1552 TO A-1578)	2	1	1
11	CURB STOP, BRASS (D.W.S. STANDARD)	1	1	1
12	FITTING ADAPTER, (A-1555 TO FITTING TO O.I.P.S. (A-1574	-	1	1
13	TEE, COPPER TO COPPER TO COPPER (A-1566 TO A-2710)	-	1	1
14	BUSHINGS, FITTING TO COPPER (W-1342 TO W-1562)	-	2	2
15	90° ELBOW, COPPER TO COPPER (A-1577 TO A-2764)	-	2	2
16	COUPLING, COPPER TO O.I.P.S. (A-1552 TO A-1572)	1	2	3
17	CURB STOP, BRASS (D.W.S. STANDARD)	1	2	3
18	REDUCING TEE, COPPER TO COPPER TO COPPER (SUBSTITUTE FOR ITEM NUMBER 13 & 14, (A-1566 TO A-2710)	-	1	1
19	TEE, COPPER TO COPPER TO COPPER (A-1566 TO A-2710)	-	-	1
20	BUSHING, FITTING TO COPPER (W-1342 TO W-1562)	-	-	1
21	REDUCING TEE, COPPER TO COPPER TO COPPER (SUBSTITUTE FOR ITEM NUMBER 13 & 14 (A-1566 TO A-2710)	-	-	1

NOTE: REFERENCE NUMBERS SHOWN ARE FROM MUELLER CATALOG "H" FOR PURPOSES OF IDENTIFYING FITTINGS. APPROVED EQUAL MAY BE USED.



MULTIPLE SERVICE CONNECTION SOLDERED JOINTS

NOTE: USE OF COPPER PIPE AND FITTINGS WITH "SOLDERED" JOINTS OPTIONAL UNTIL FURTHER NOTICE.



TYPICAL LAYOUT OF SERVICE LATERALS AND CONNECTIONS

STANDARD DETAILS		DRAWN BY	20
COPPER SERVICE LATERALS AND CONNECTIONS		TRACED BY	20
C.I. METER BOX FRAME AND COVER		CHECKED BY	T.I.
		ENGINEER	T.I.
		DRAWING NO.	
APPROVED	DATE	FILE	2
SCALE	DATE	POCKET FOLDER	NO.
BOARD OF WATER SUPPLY		HONOLULU, T. H.	
SHEET OF SHEETS			
HAWAII STATE HIGHWAY DEPARTMENT			
STATE OF HAWAII			
KEEAUMOKU SEPARATION			
PROJECT NO. U-072-1(8)			
SHEET No. 3 OF 3 SHEETS			

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