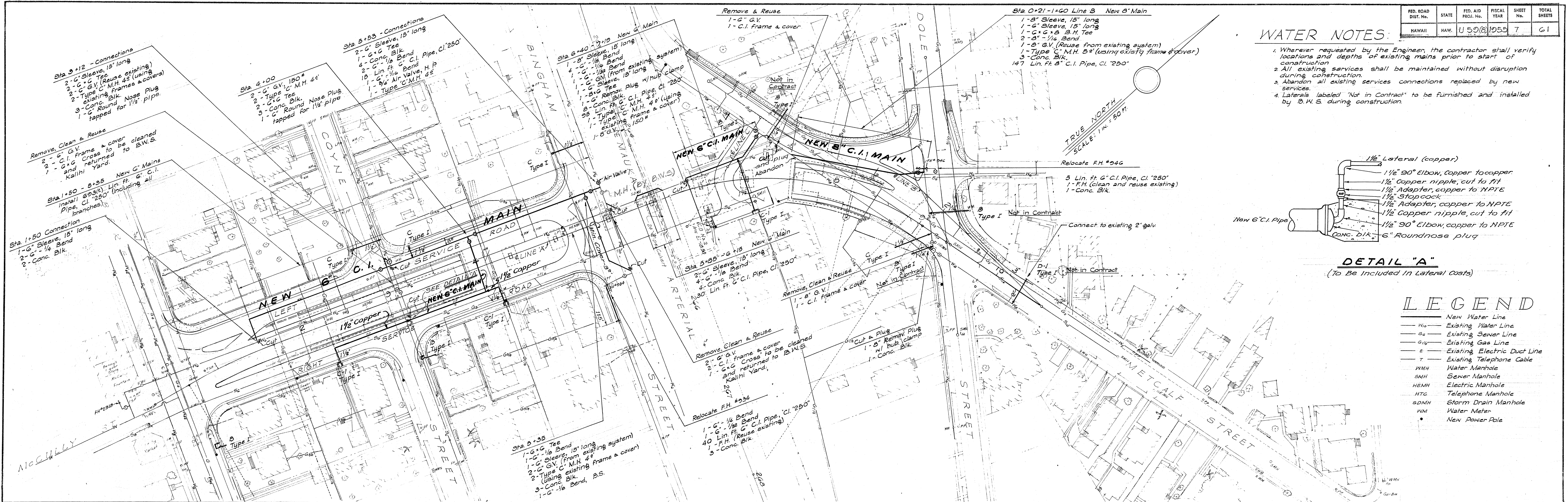


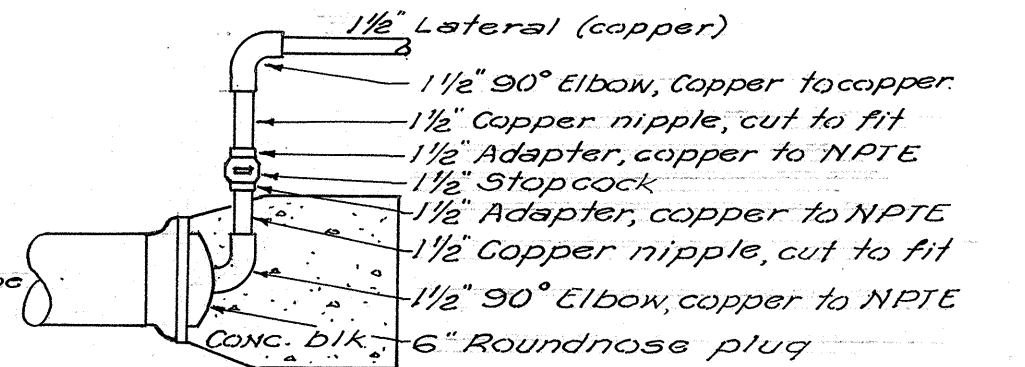
PLAN	DATE	BY
SURVEYED		
NOTE BOOK		
ALIGNMENT CHECKED		
RT. OF WAY CHECKED		
NO.		

PROFILE	DATE	BY
SURVEYED		
NOTE BOOK		
GRADES CHECKED		
STRUCTURE NOTATIONS CHKD.		
NO.		



WATER NOTES:

- Wherever requested by the Engineer, the contractor shall verify locations and depths of existing mains prior to start of construction.
- All existing services shall be maintained without disruption during construction.
- Abandon all existing services connections replaced by new services.
- Laterals labeled "Not in Contract" to be furnished and installed by B.W.S. during construction.

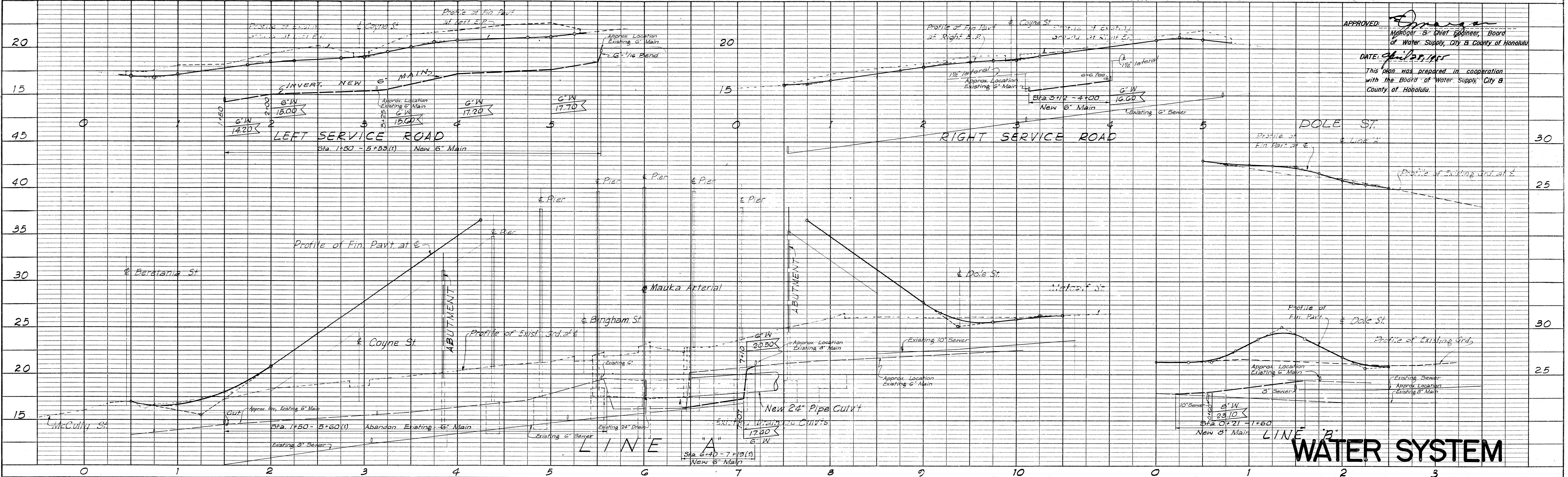


DETAIL "A"

(To Be Included In Lateral Costs)

LEGEND

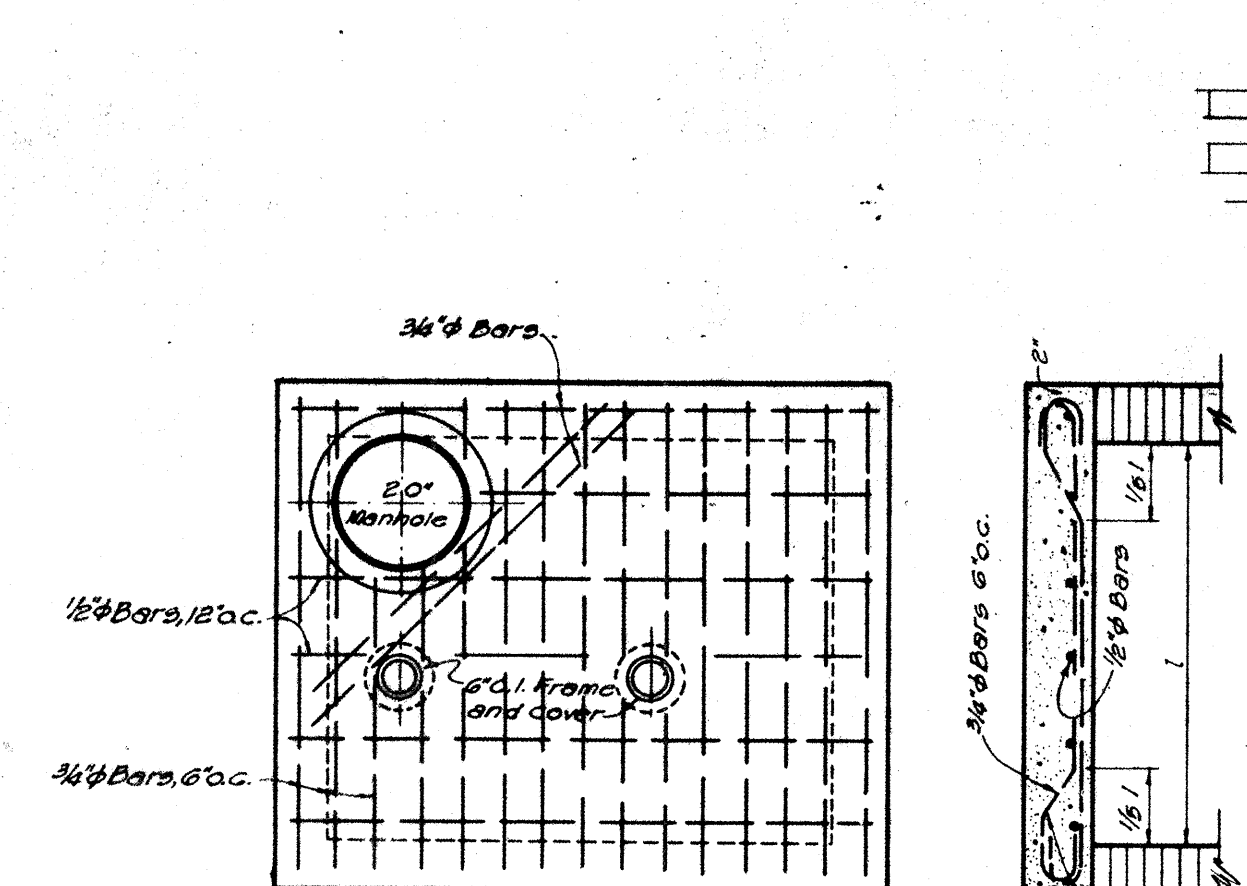
- New Water Line
- Existing Water Line
- Existing Sewer Line
- Existing Gas Line
- Existing Electric Duct Line
- Existing Telephone Cable
- Water Manhole
- Sewer Manhole
- Electric Manhole
- Telephone Manhole
- Storm Drain Manhole
- Water Meter
- New Power Pole



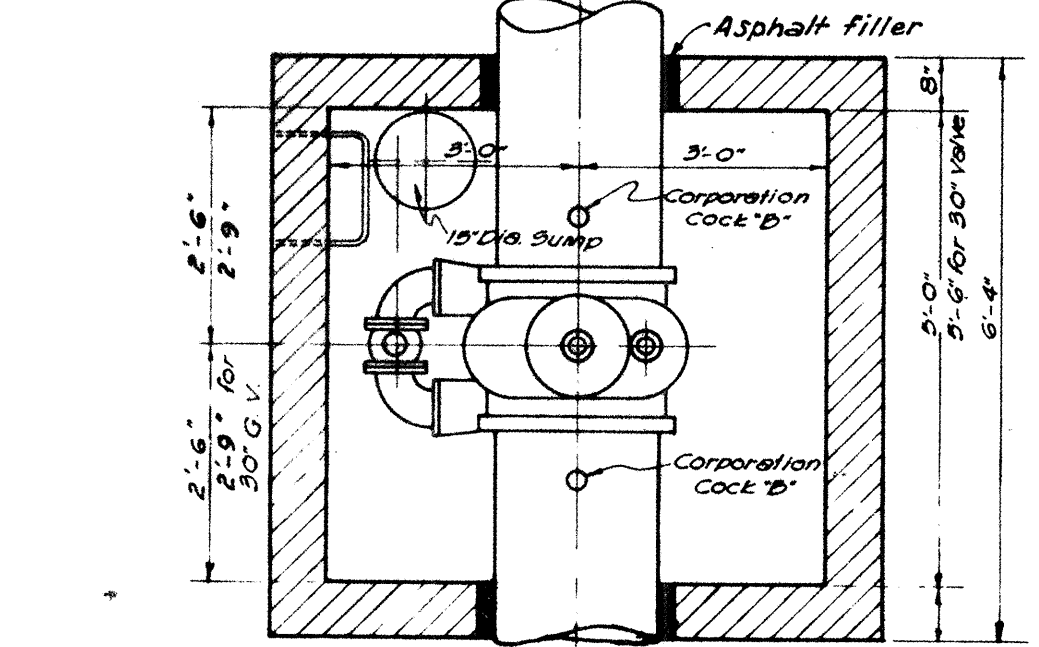
APPROVED: *[Signature]*
 Manager, Board of Water Supply, City & County of Honolulu
 DATE: 5/18/55
 This plan was prepared in cooperation with the Board of Water Supply, City & County of Honolulu.

WATER SYSTEM

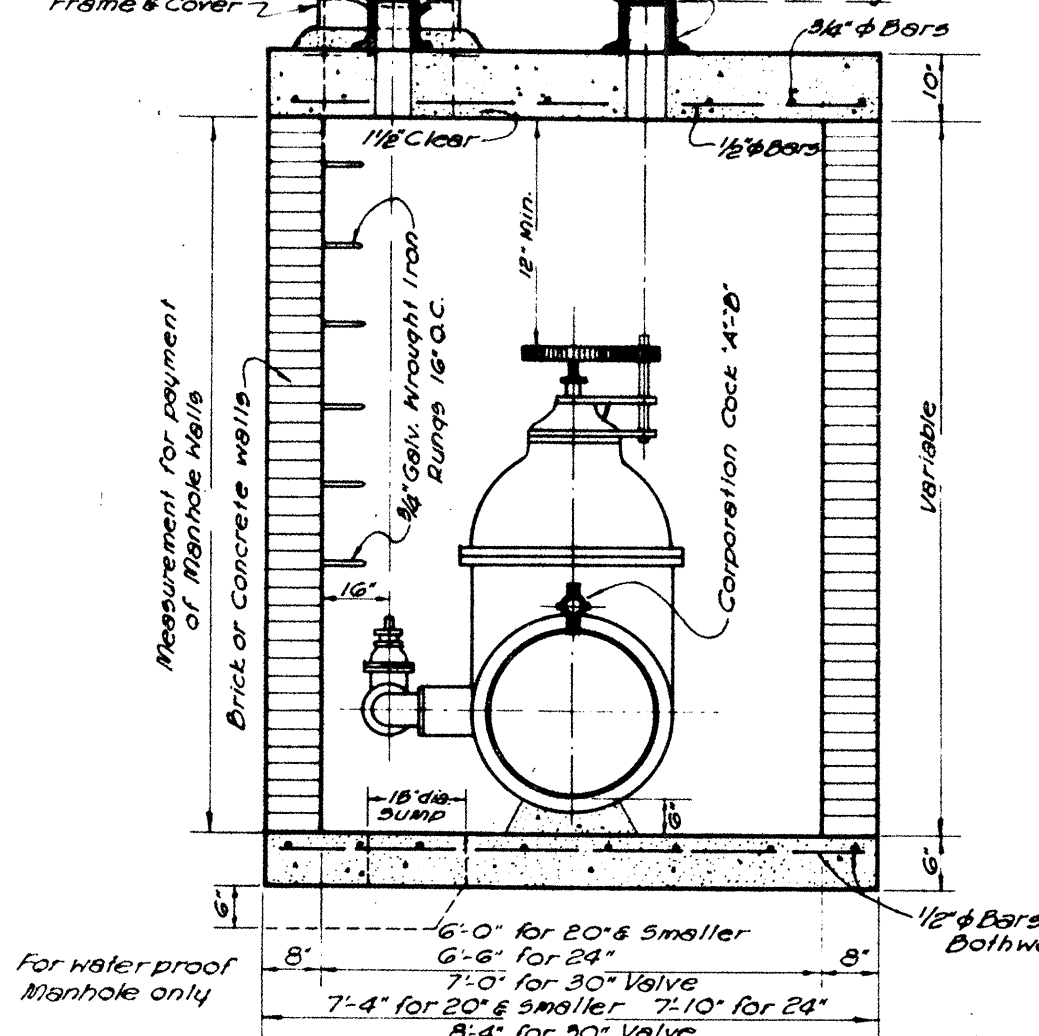
5743.7



PLAN OF TOP



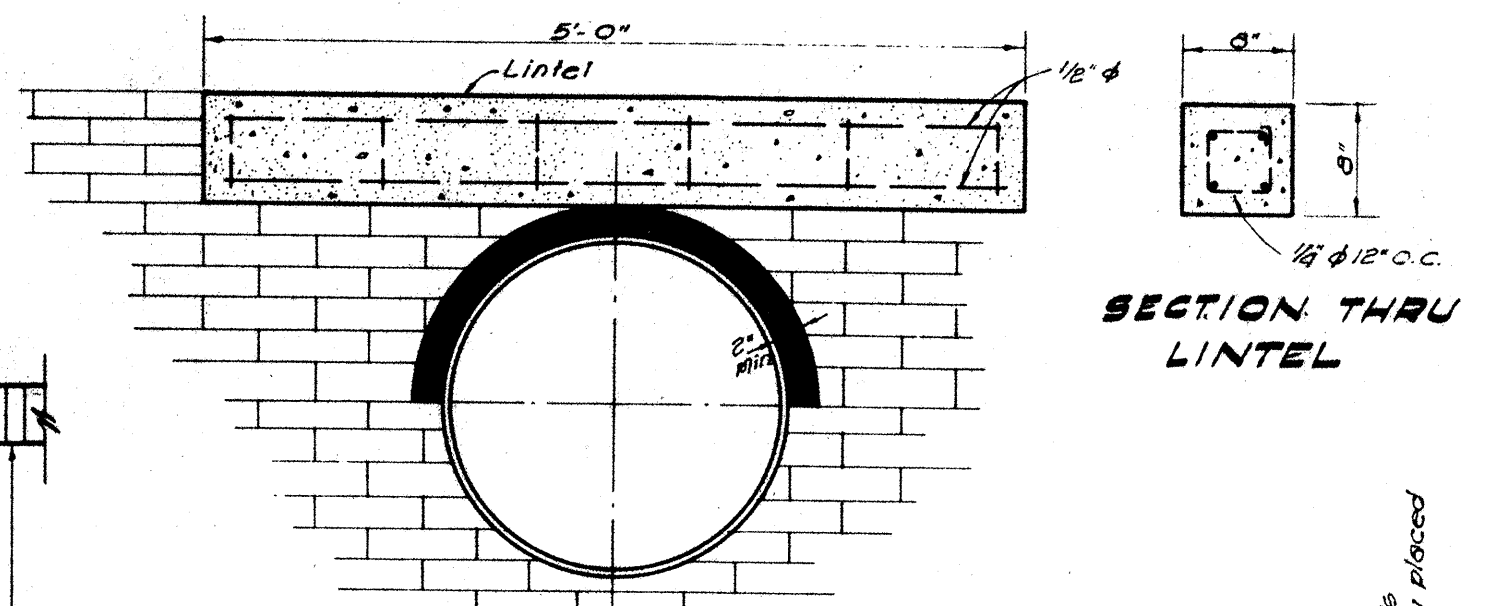
SECTION



SECTION

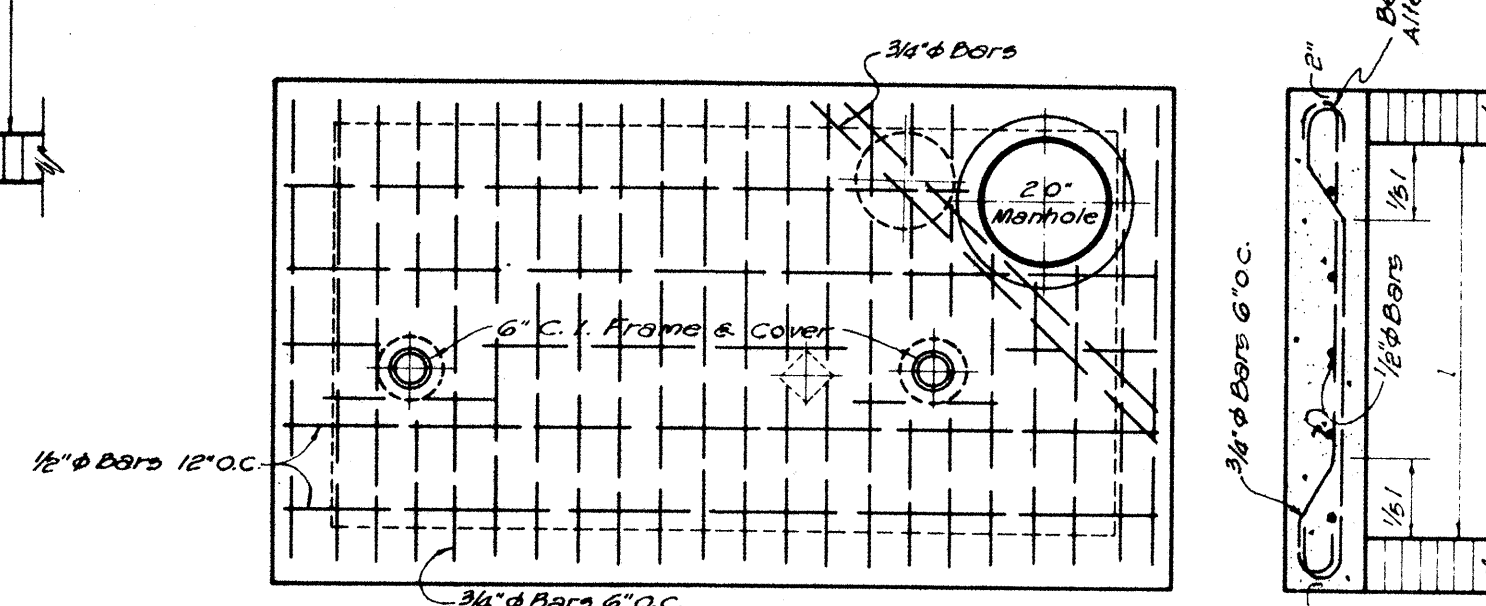


TYPE "A" MANHOLE
FOR SPUR-GEARED GATE VALVES

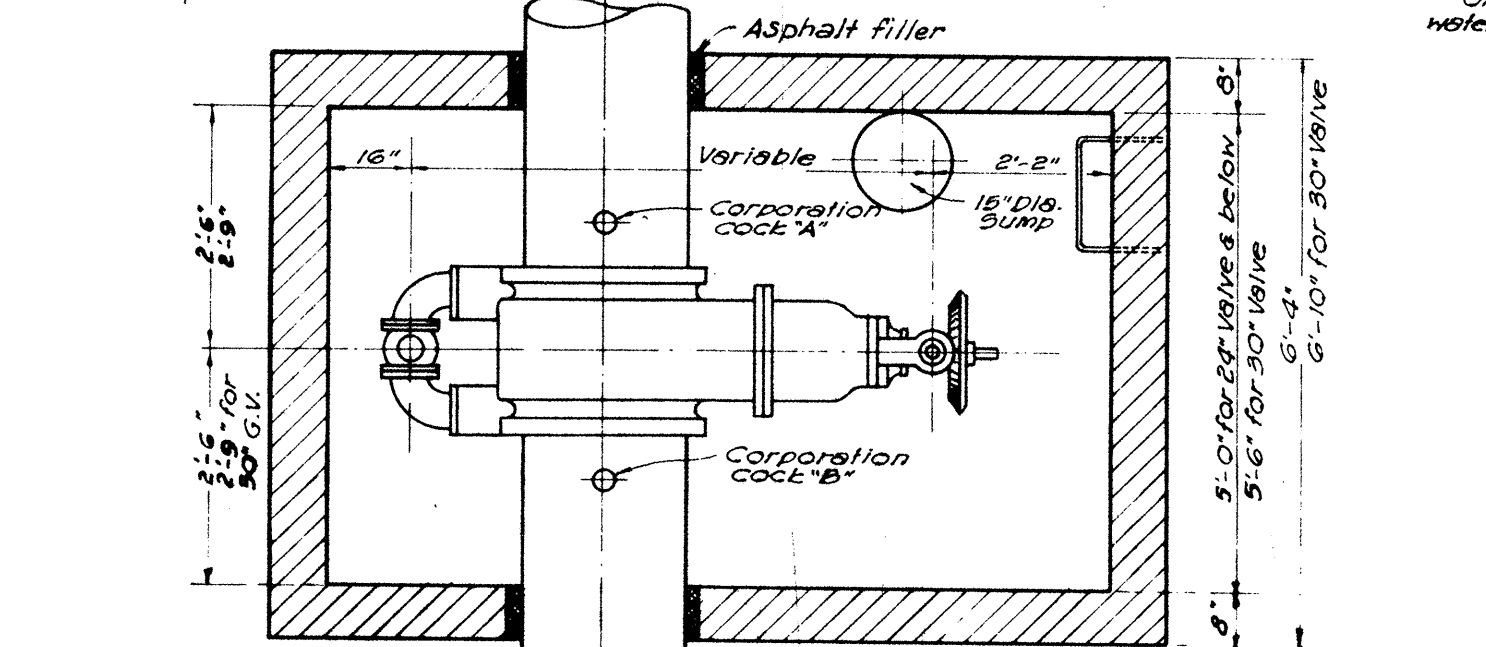


SECTION THRU LINTEL

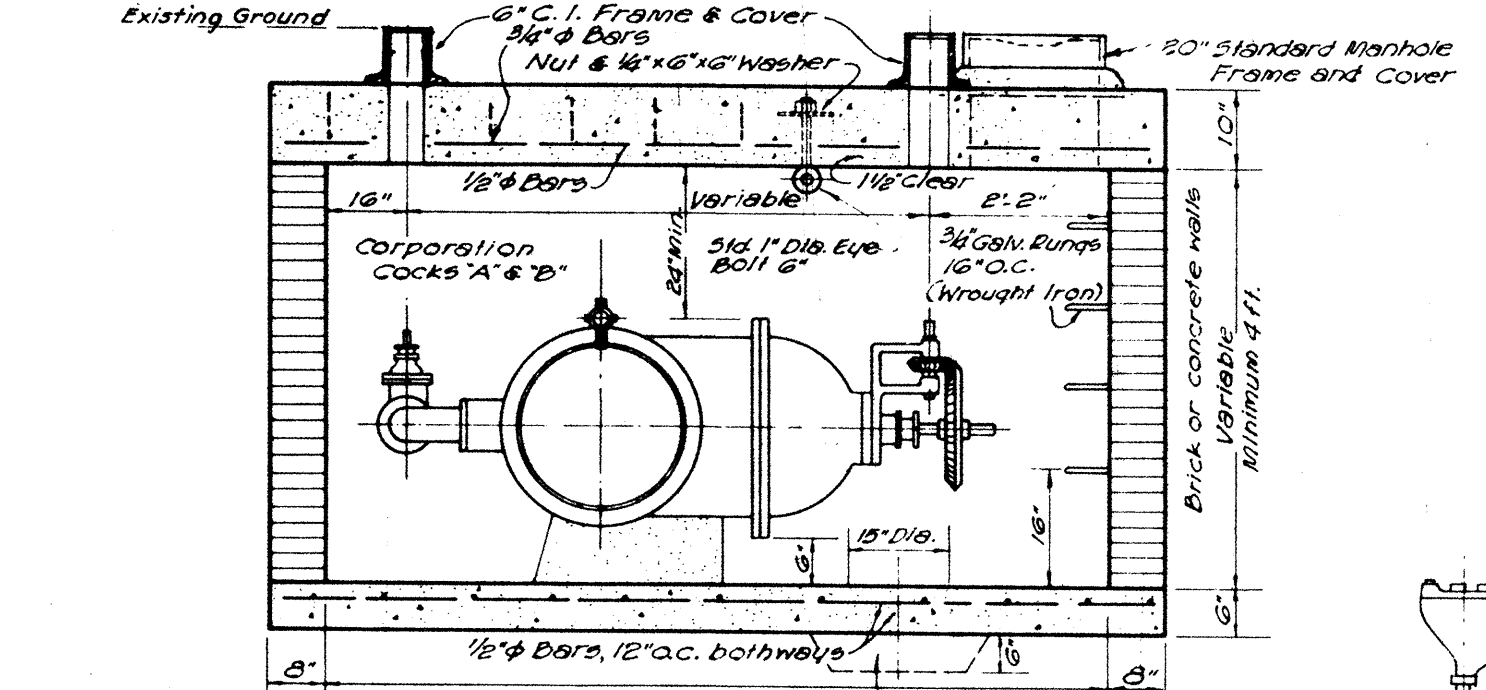
DETAIL OF LINTEL & ASPHALT FILLER



PLAN OF TOP

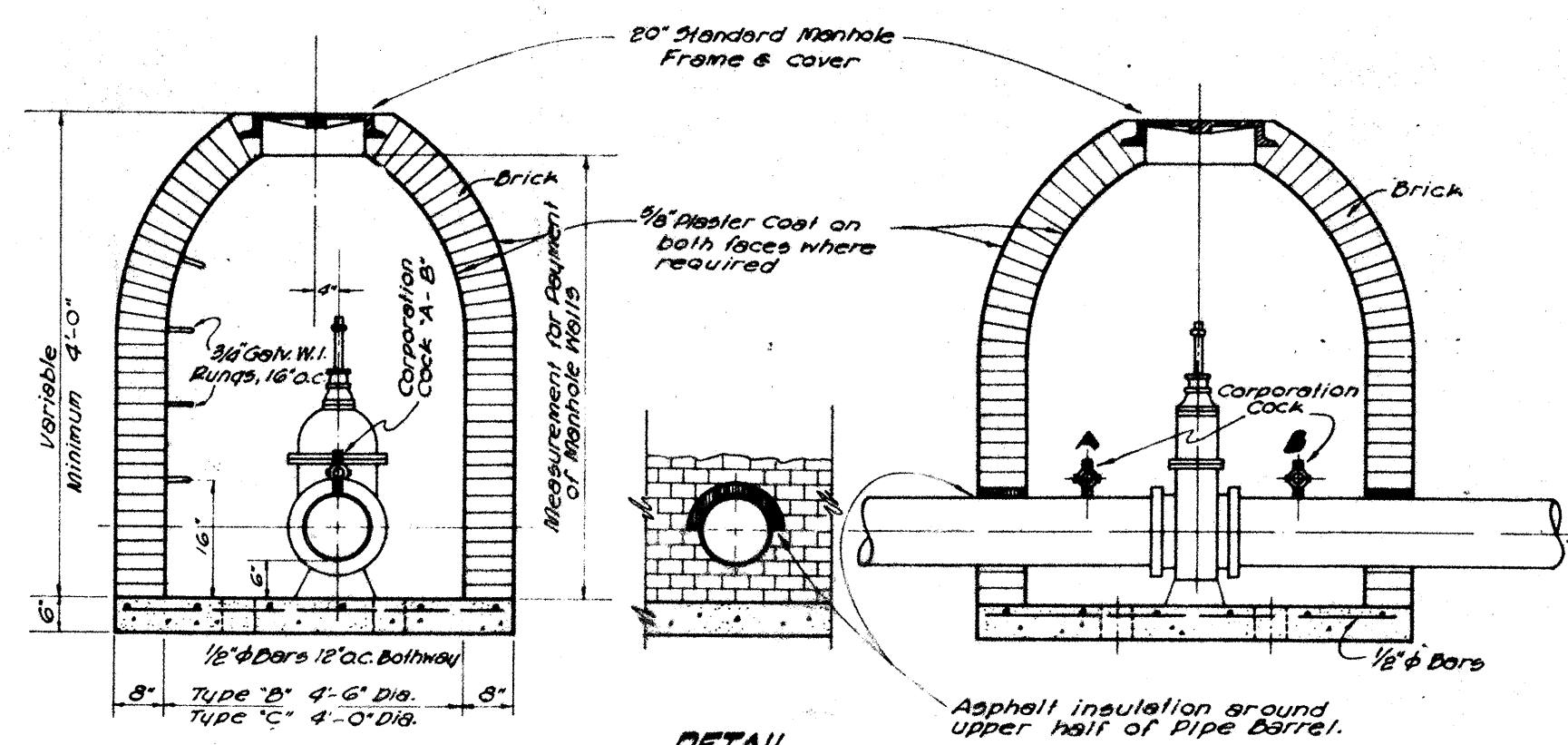


SECTION



SECTION

TYPE "A" MANHOLE
FOR BEVEL GEARED GATE VALVES

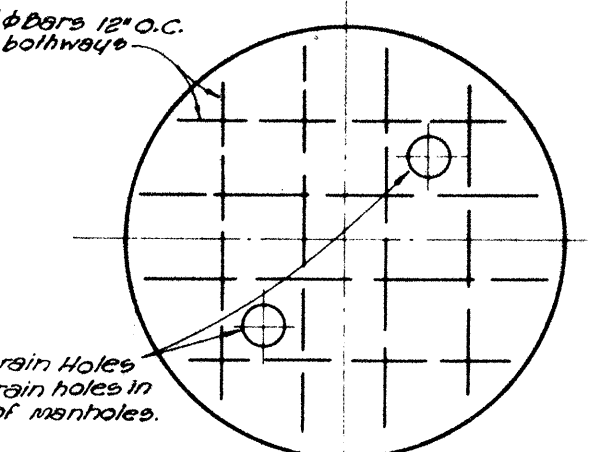


SECTION A-A

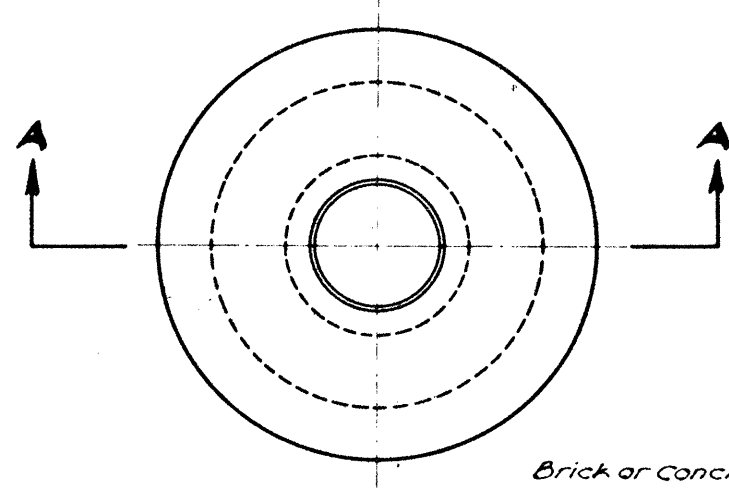
DETAIL OF ASPHALT FILLER

TABLE "A"
REQUIRED CORPORATION COCK SIZES

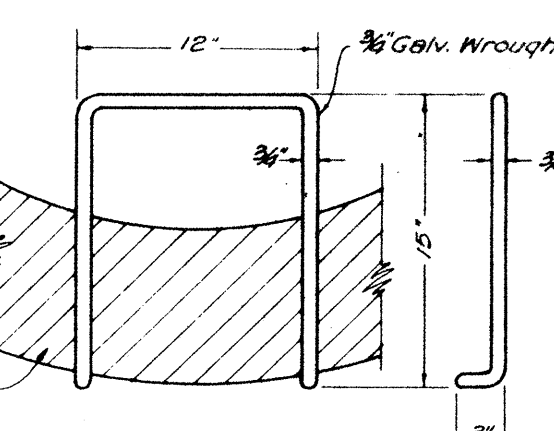
DIA. OF MAIN INCHES	INLET SIZE CORPORATION COCK	
	A	B
4	1"	1"
6	1"	1"
8	1"	1"
12	1"	1"
16	1"	1"
20	1"	1"
24	1 1/2"	1"
36	1 1/2"	1"
42	1 1/2"	1"



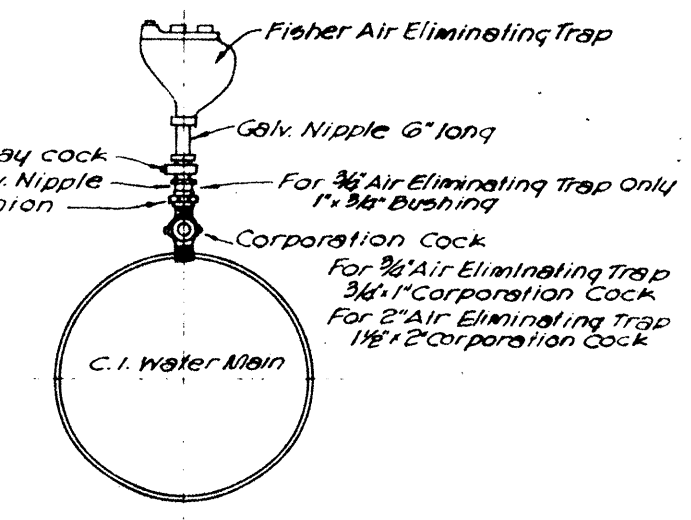
STEEL DETAIL IN BOTTOM SLAB



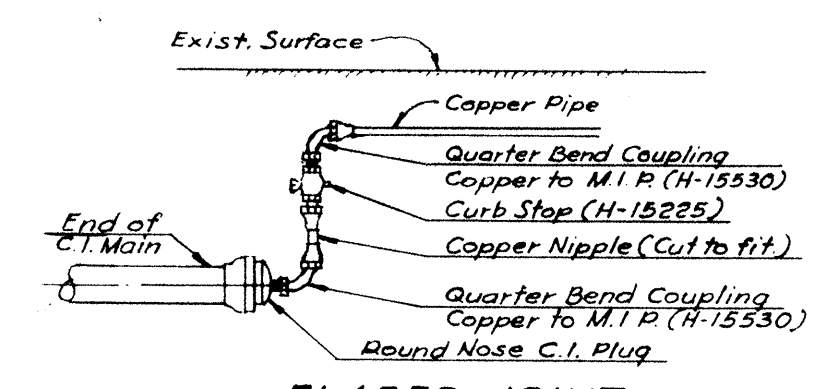
PLAN
TYPES "B" AND "C" MANHOLES
TYPE "B" 4'-6" DIA. (FOR 12" VALVE)
TYPE "C" 4'-0" DIA. (FOR 6" & 8" VALVES)



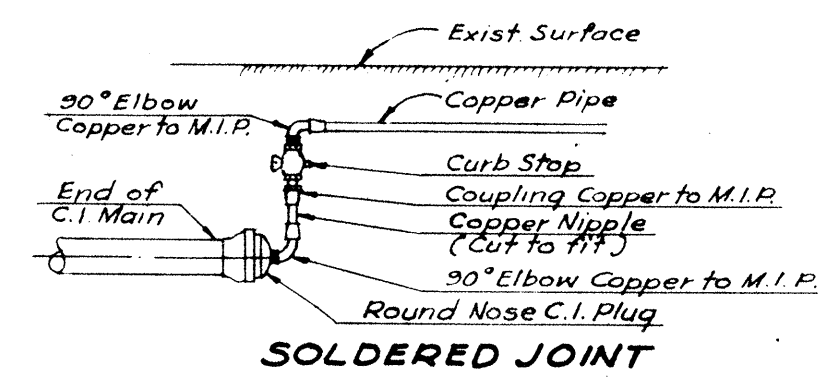
DETAIL OF RUNG



DETAIL OF CONNECTION FOR FISHER AIR ELIMINATING TRAP

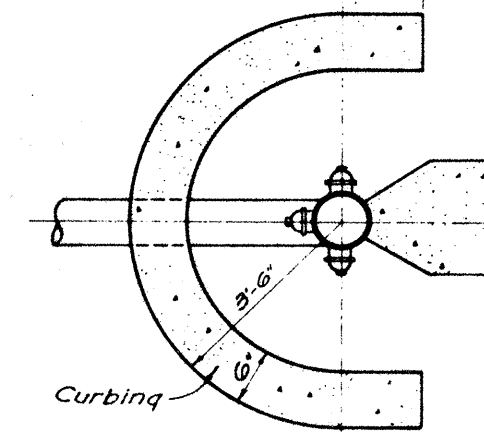


FLARED JOINT

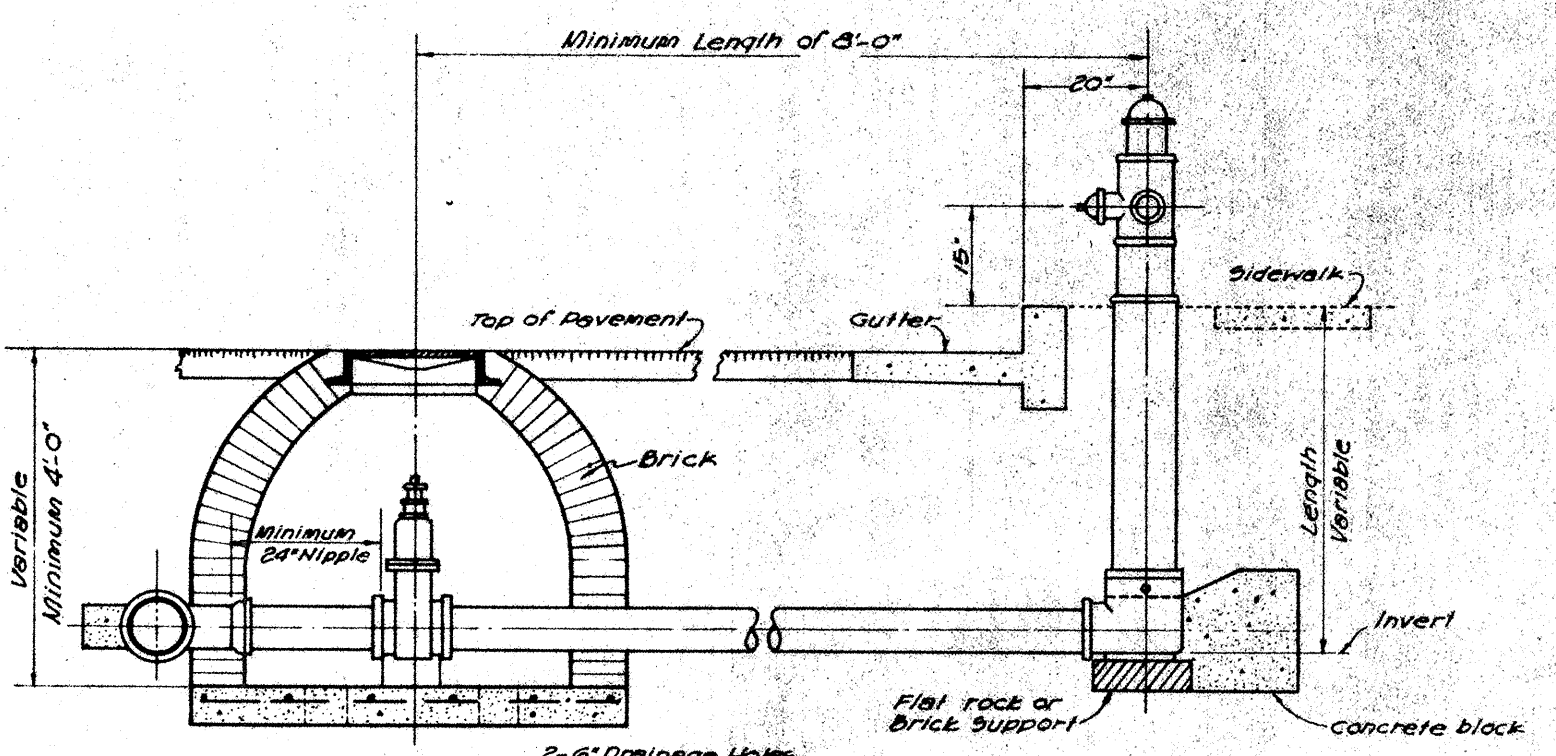


SOLDERED JOINT

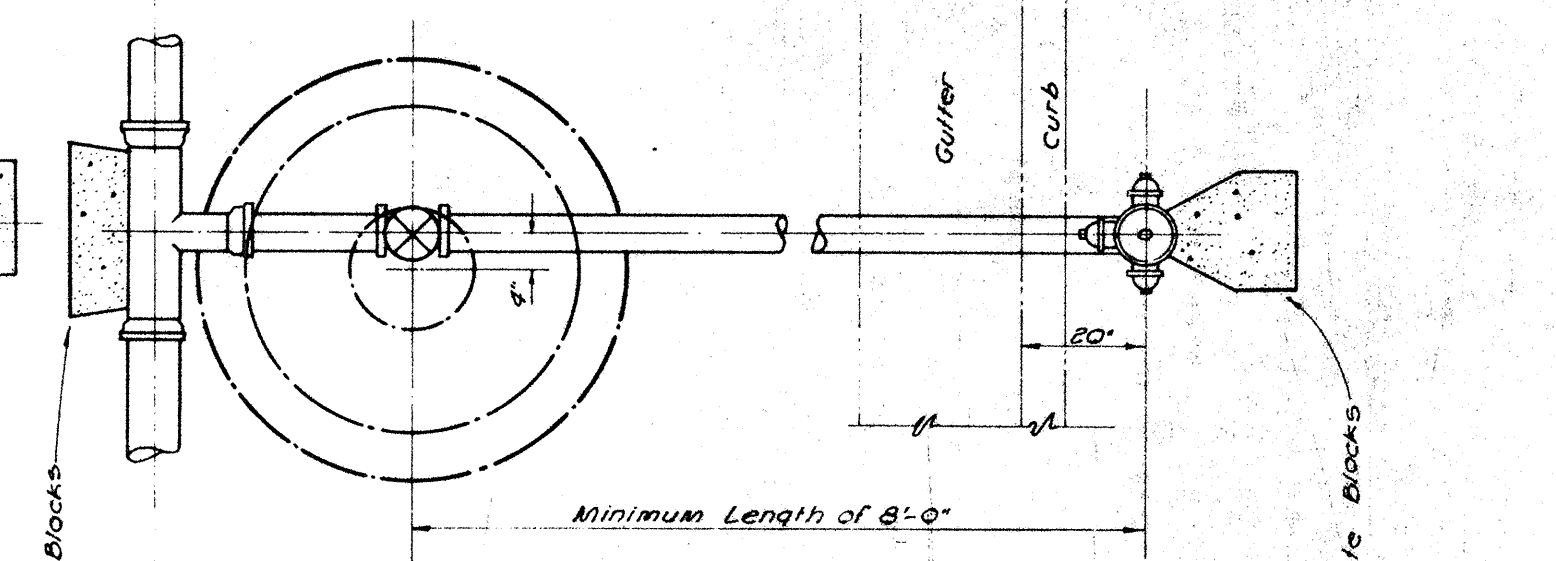
SERVICE LATERAL CONNECTION AT END OF LINE



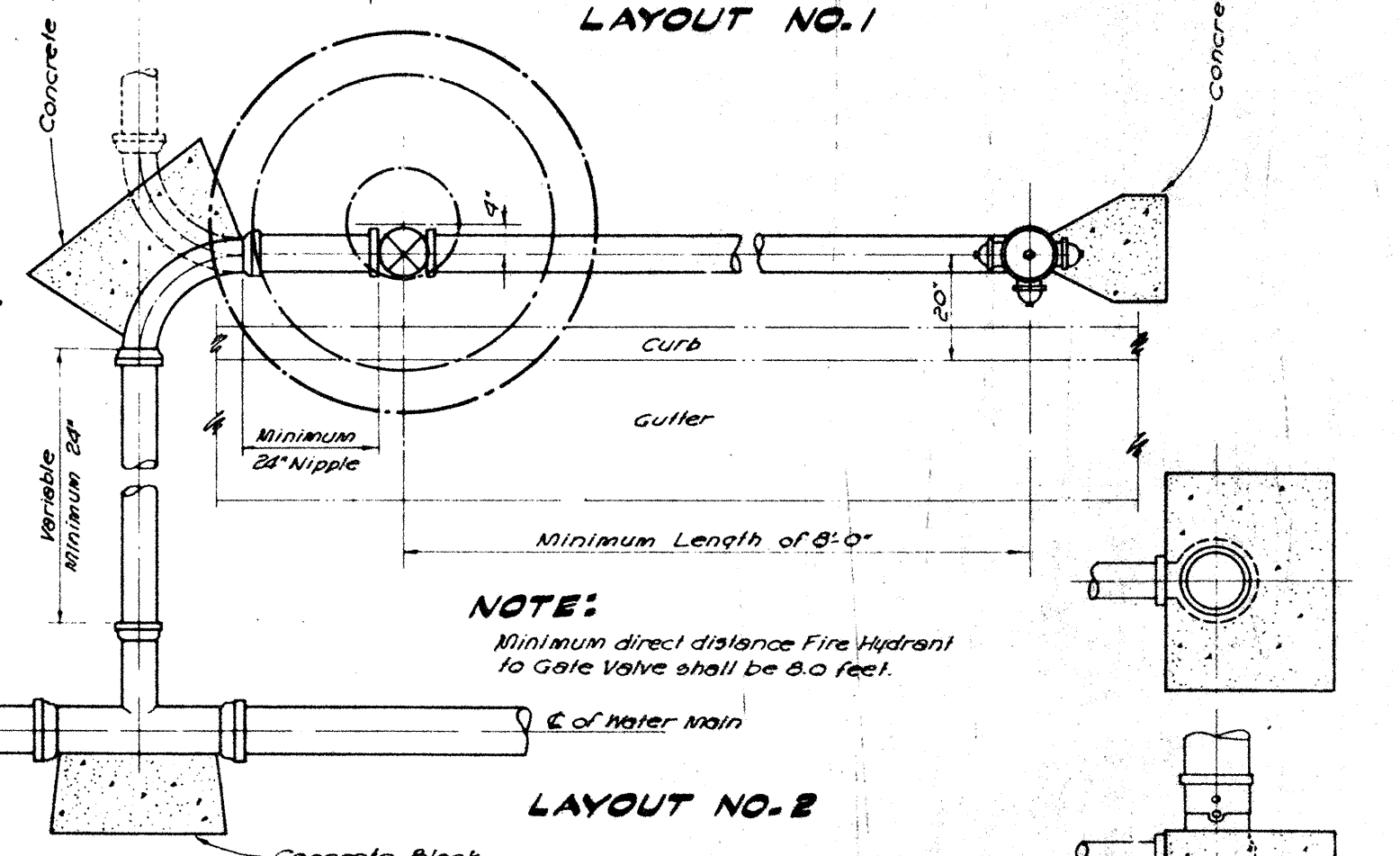
DETAIL OF CURBING AT HYDRANT WHERE REQUIRED



TYPE "C" MANHOLE



LAYOUT NO. 1

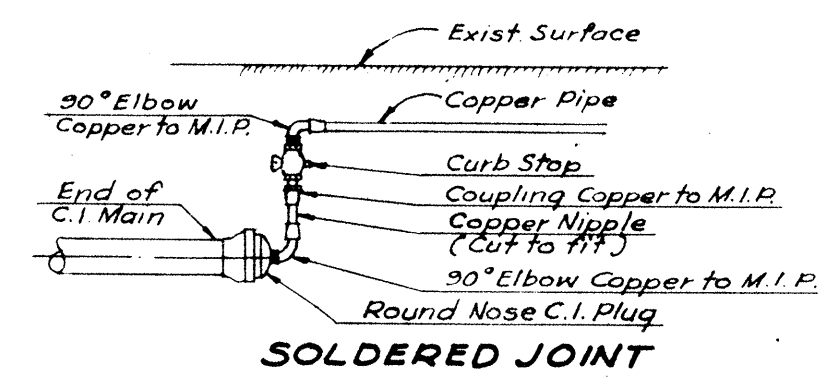


LAYOUT NO. 2

NOTE:
Minimum direct distance Fire Hydrant to Gate Valve shall be 8.0 feet.

STANDARD FIRE HYDRANT LAYOUT

CONCRETE BLOCK FOR MATHEWS HYDRANT ONLY



TYPICAL CONNECTION FOR COPPER SERVICE LATERALS

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII

BOARD OF WATER SUPPLY
STANDARD DETAILS
MAUKA ARTERIAL
McCULLY SEPARATION
F. A. PROJECT No. U 59 (B)