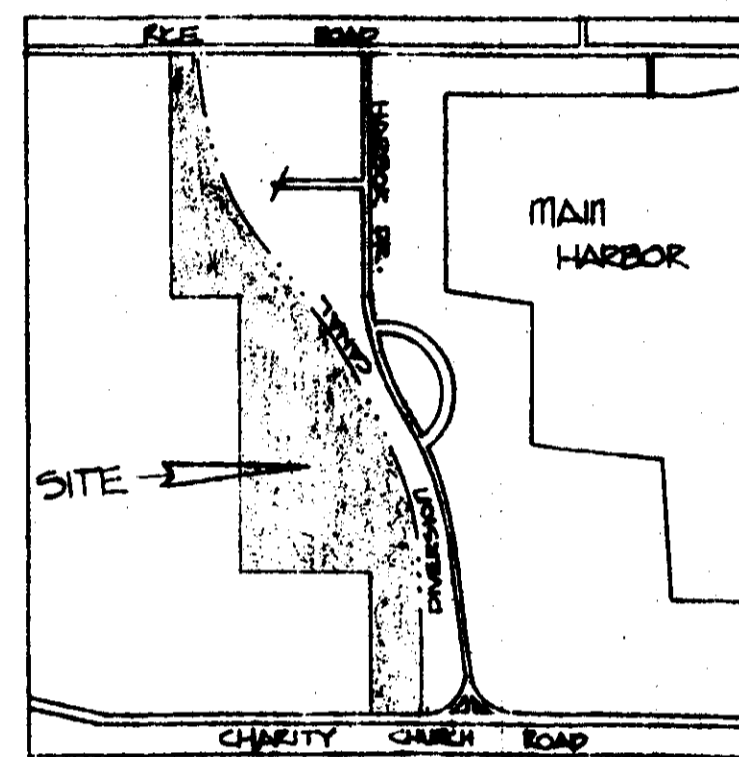


A DEVELOPMENT AT THE ROSS BARNETT RESERVOIR



VICINITY MAP

DEVELOPED BY: SARTAIN ASSOCIATES, INC.
RIDGELAND, MISSISSIPPI

DESIGNED BY: CENTRAL MISSISSIPPI ENGINEERING
JACKSON, MISSISSIPPI
MAY, 1984

PWP-00330

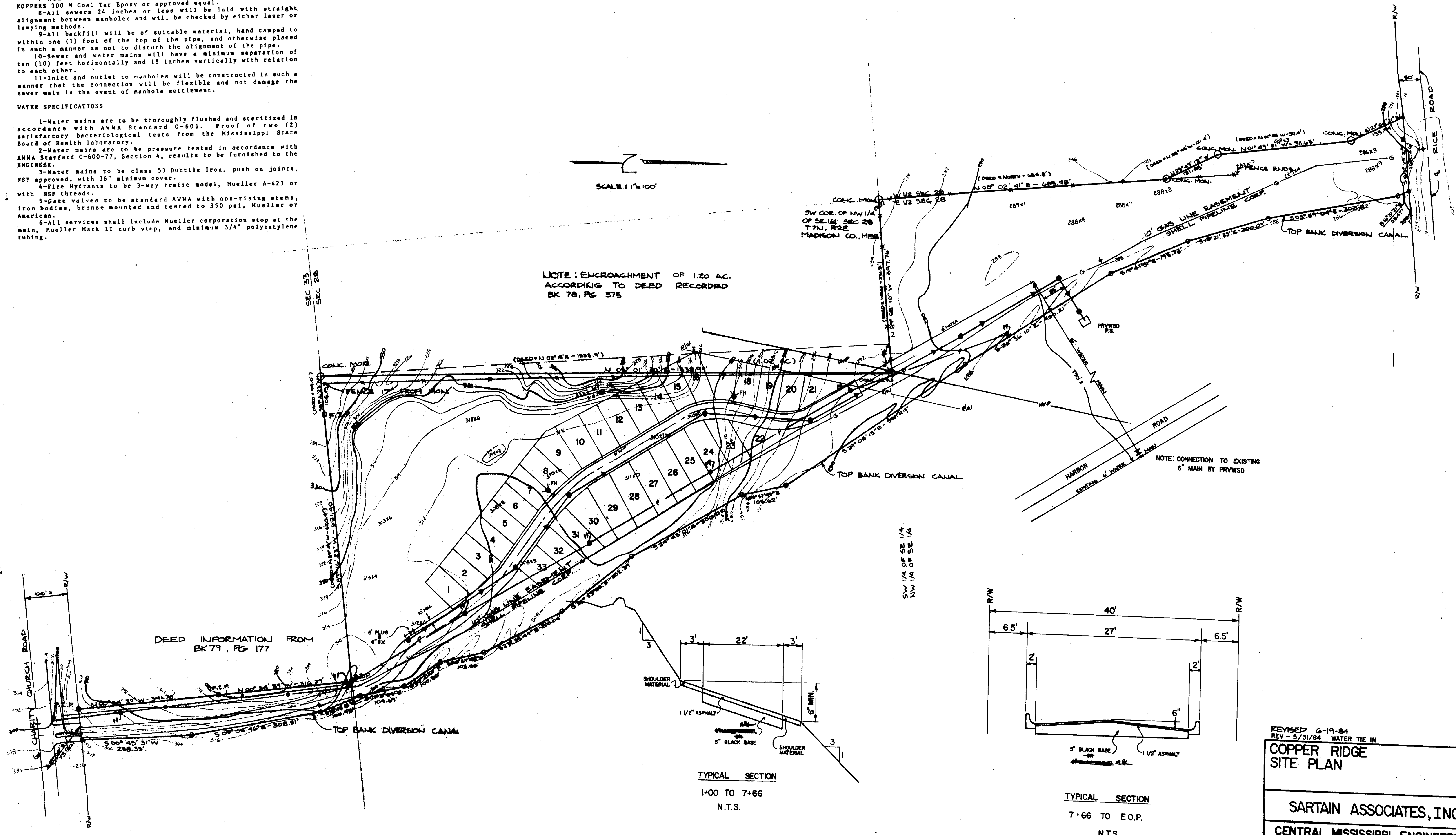
TECHNICAL SPECIFICATIONS

SEWER SPECIFICATIONS

- 1-All sewer mains and services shall be Extra Strength Vitrified Clay Pipe (ASTM C-700) or ABS sewer pipe (ASTM D-2680).
- 2-Manholes to be precast concrete conforming to ASTM C-478.
- 3-Manhole castings to be Harper No. 1, MSPE Standard, or approved equal.
- 4-Sewer mains to be tested for a maximum infiltration or exfiltration of 200 gpd per inch per mile of pipe, results to be furnished to the ENGINEER.
- 5-All sewer services to be marked at the property line with a 2" diameter creosote post or other acceptable marker.
- 6-Sewer bedding shall be Class C as described in ASTM C 12-74.
- 7-Manholes shall be waterproofed with an application of KOPPERS 300 M Coal Tar Epoxy or approved equal.
- 8-All sewers 24 inches or less will be laid with straight alignment between manholes and will be checked by either laser or lamping methods.
- 9-All backfill will be of suitable material, hand tamped to within one (1) foot of the top of the pipe, and otherwise placed in such a manner as not to disturb the alignment of the pipe.
- 10-Sewer and water mains will have a minimum separation of ten (10) feet horizontally and 18 inches vertically with relation to each other.
- 11-Inlet and outlet to manholes will be constructed in such a manner that the connection will be flexible and not damage the sewer main in the event of manhole settlement.

WATER SPECIFICATIONS

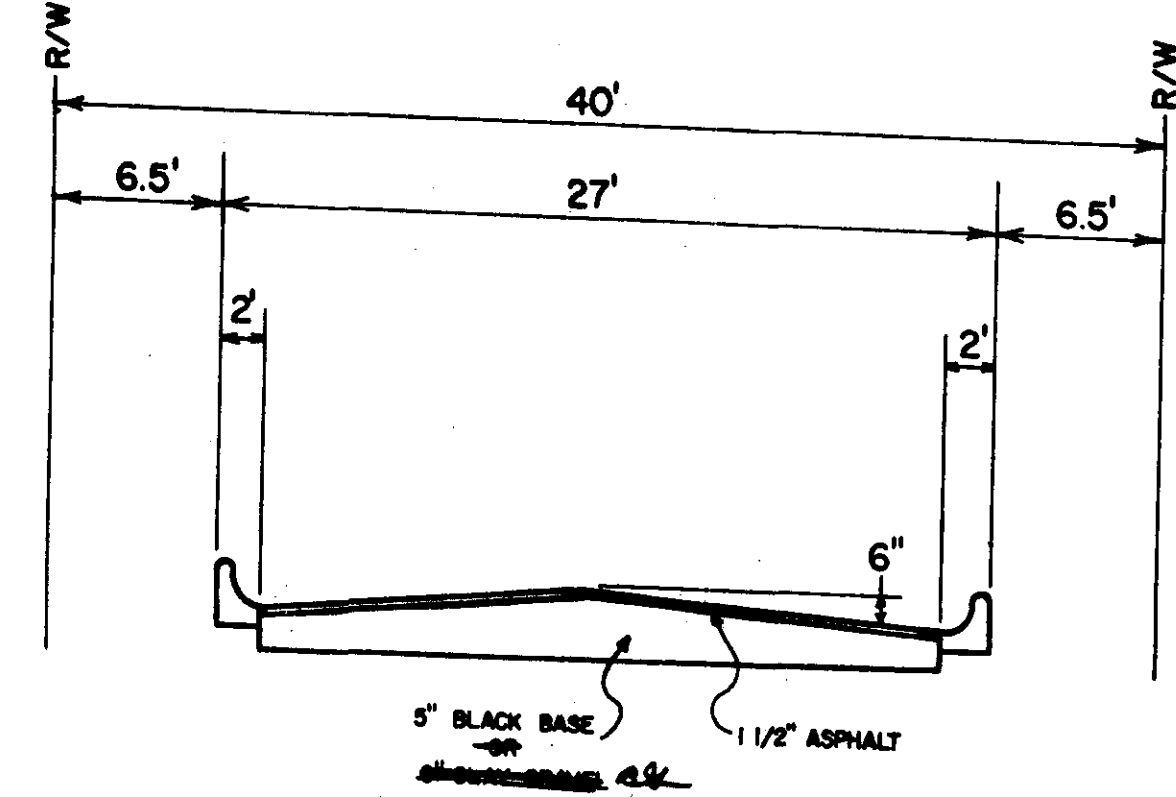
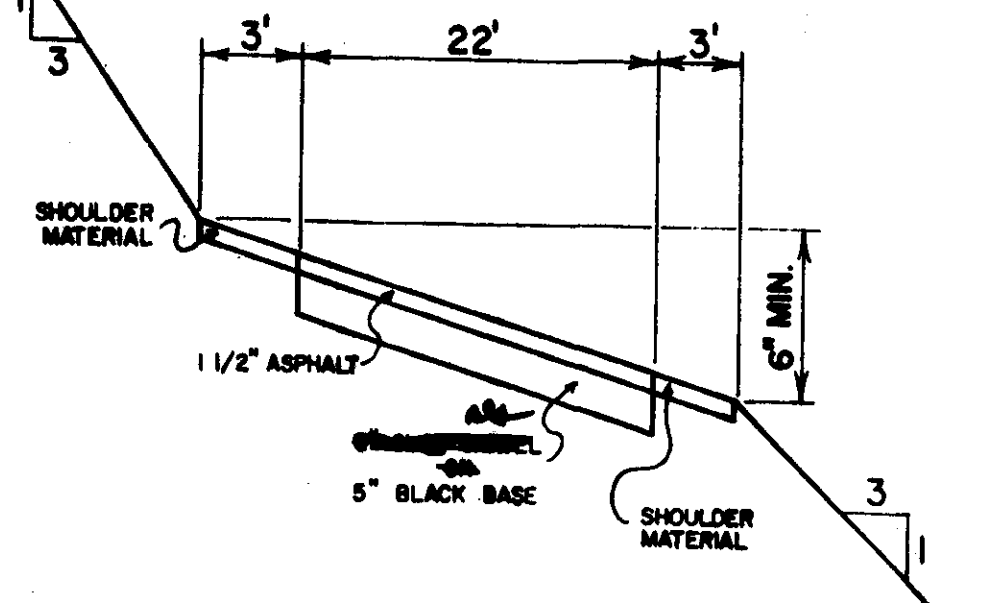
- 1-Water mains are to be thoroughly flushed and sterilized in accordance with AWWA Standard C-601. Proof of two (2) satisfactory bacteriological tests from the Mississippi State Board of Health laboratory.
- 2-Water mains are to be pressure tested in accordance with AWWA Standard C-600-77, Section 4, results to be furnished to the ENGINEER.
- 3-Water mains to be class 53 Ductile Iron, push on joints, NSF approved, with 36" minimum cover.
- 4-Fire Hydrants to be 3-way traffic model, Mueller A-423 or with NSF threads.
- 5-Gate valves to be standard AWWA with non-rising stems, iron bodies, bronze mounted and tested to 350 psi, Mueller or American.
- 6-All services shall include Mueller corporation stop at the main, Mueller Mark II curb stop, and minimum 3/4" polybutylene tubing.



SCALE: 1"=100'

NOTE: ENCROACHMENT OF 1.20 AC. ACCORDING TO DEED RECORDED BK 78, PG 575

DEED INFORMATION FROM BK 79, PG 177



REVISED 6-19-84
REV - 5/31/84 WATER TIE IN

**COPPER RIDGE
SITE PLAN**

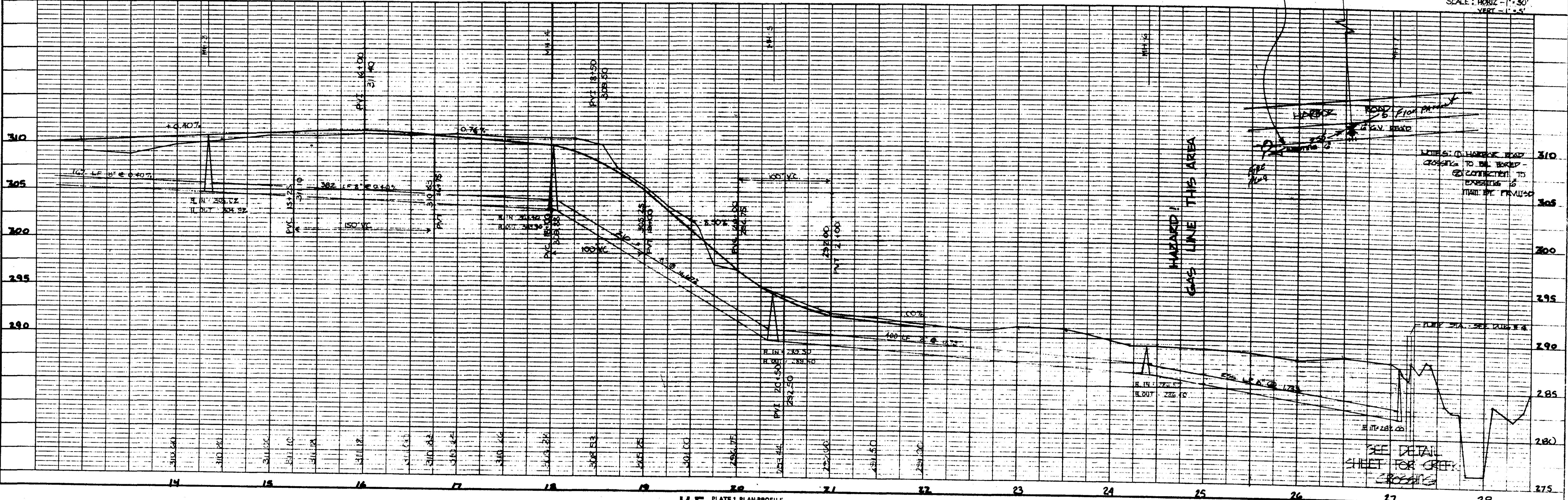
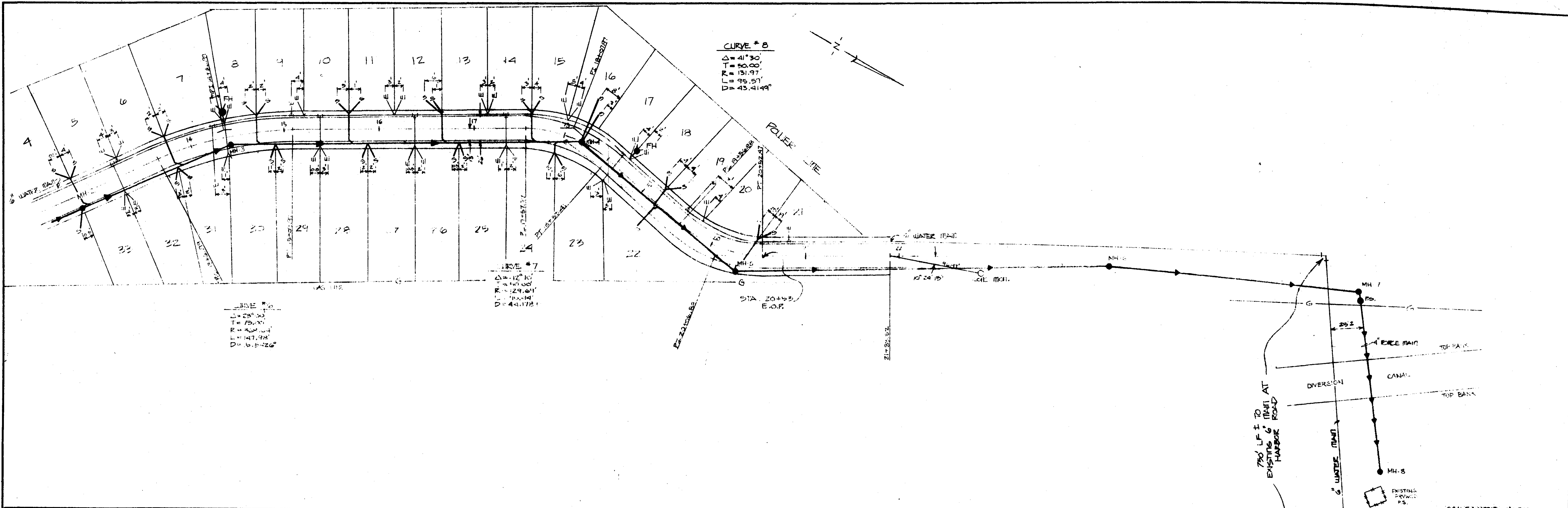
SARTAIN ASSOCIATES, INC.

CENTRAL MISSISSIPPI ENGINEERING
JACKSON, MISSISSIPPI

Designed By: _____ Drawn By: J.A.L.L.L.
Scale: 1"=100' Date: 1-84 Sheet 1 of 6

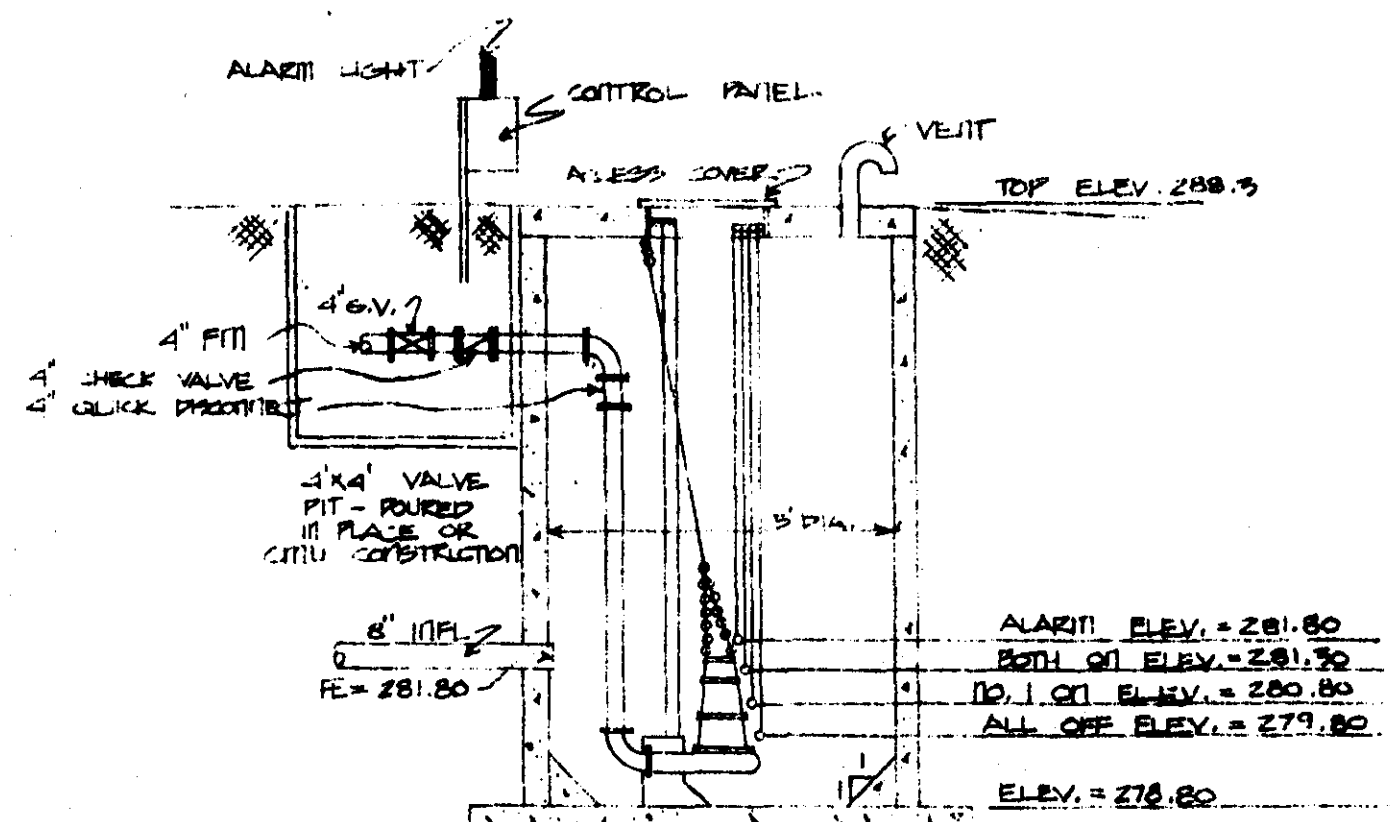
DATE	
BY	
REVISION	
NO.	
PLAN	
NOTE BOOK	
NO.	

DATE	
BY	
REVISION	
NO.	
PROFILE	
NOTE BOOK	
NO.	



K-E PLATE 1, PLAN-PROFILE
 KEUFEL & ESSER CO.
 48 7004 MADE IN U.S.A.

ALTERNATE PUMP STATION CROSSING



PUMPING STATION DETAIL
N.T.S.

MECHANICAL SPECIFICATIONS

PUMPING STATION

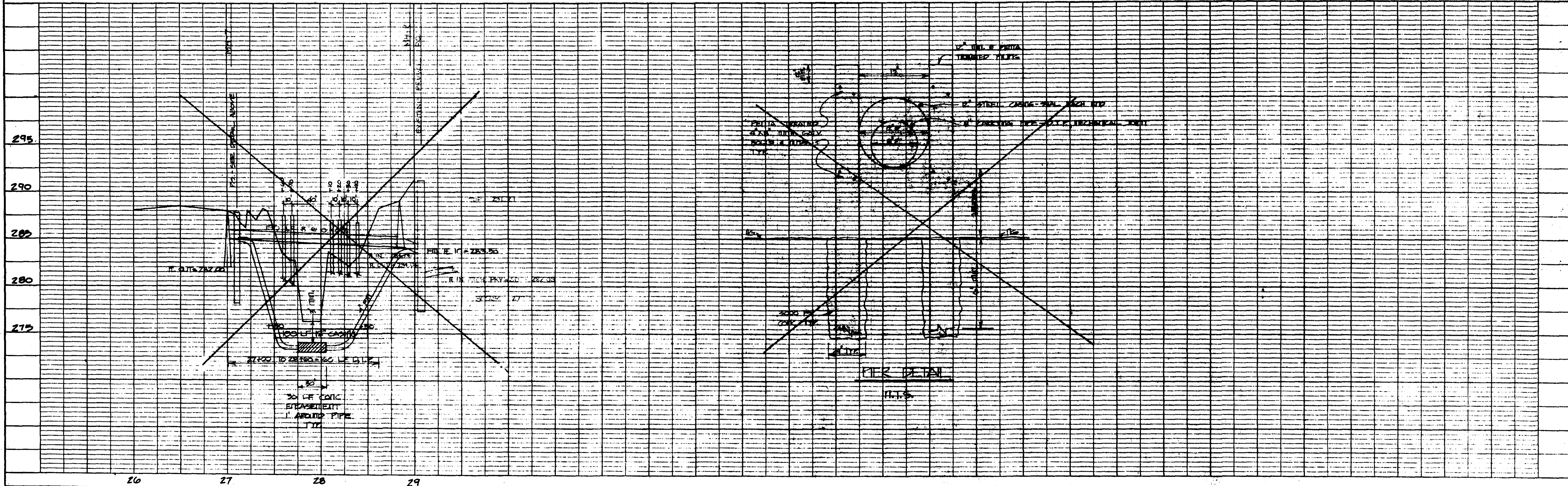
The pumping station will be capable of pumping 80 gpm at a 10' TDH, and will be 230 volt, three phase. The pumps will be duplex with slide rail assembly. Pumps shall be capable of passing 3 inch solids and shall be pedestal type with automatic level controls for rotating and simultaneous operation. Motors are to be explosion proof. Pumps will be of such type that they can be upgraded to 125 gpm at 15' TDH for future development.

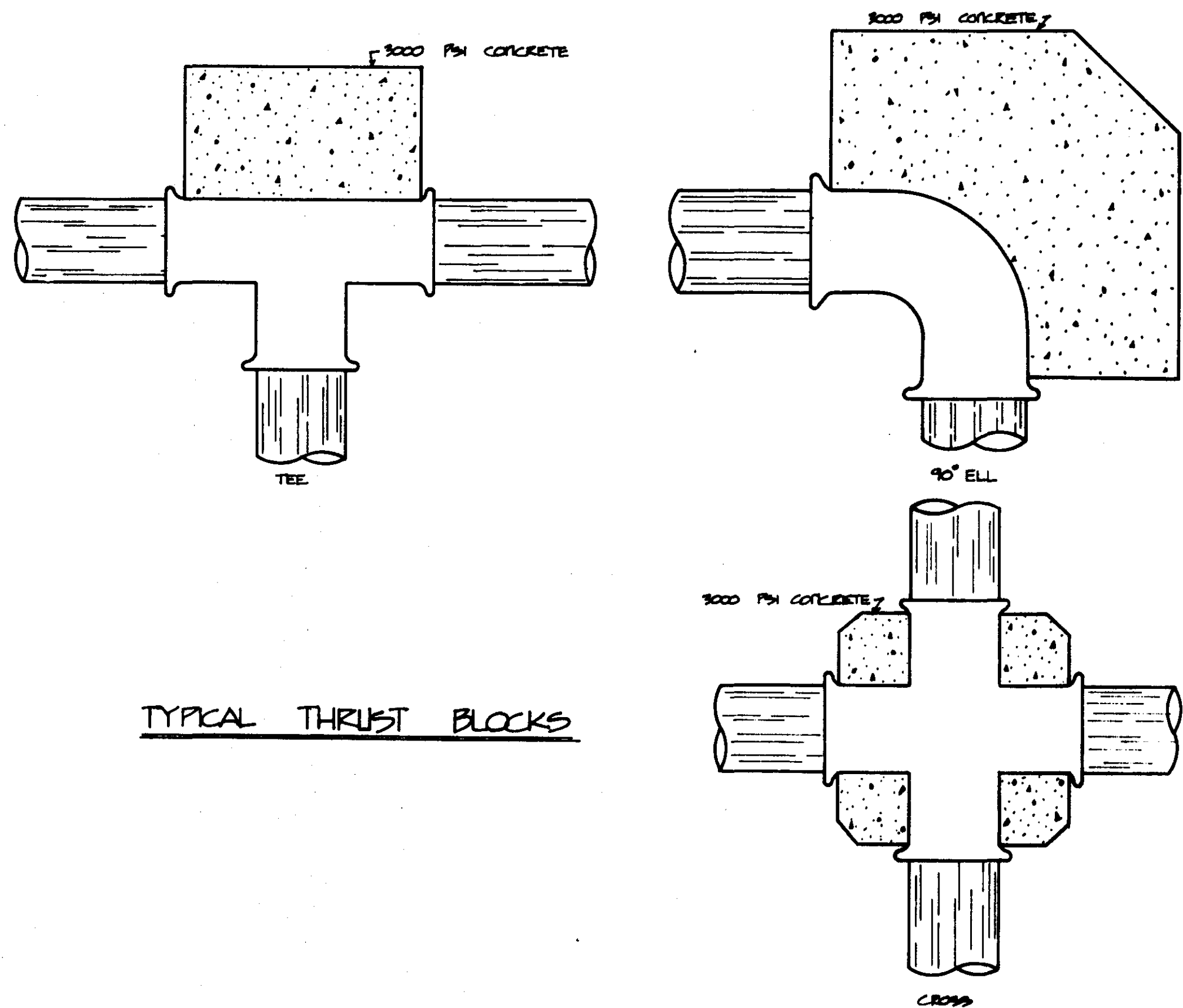
FORCE MAIN

- 1 - Force main to be constructed of class 150 PVC, rubber ring, push on joints, NSF approved with 36" minimum cover.
- 2 - Force main to be pressure tested in accordance with AMWA Standard C-600-77, Section 4, results to be furnished to the ENGINEER.

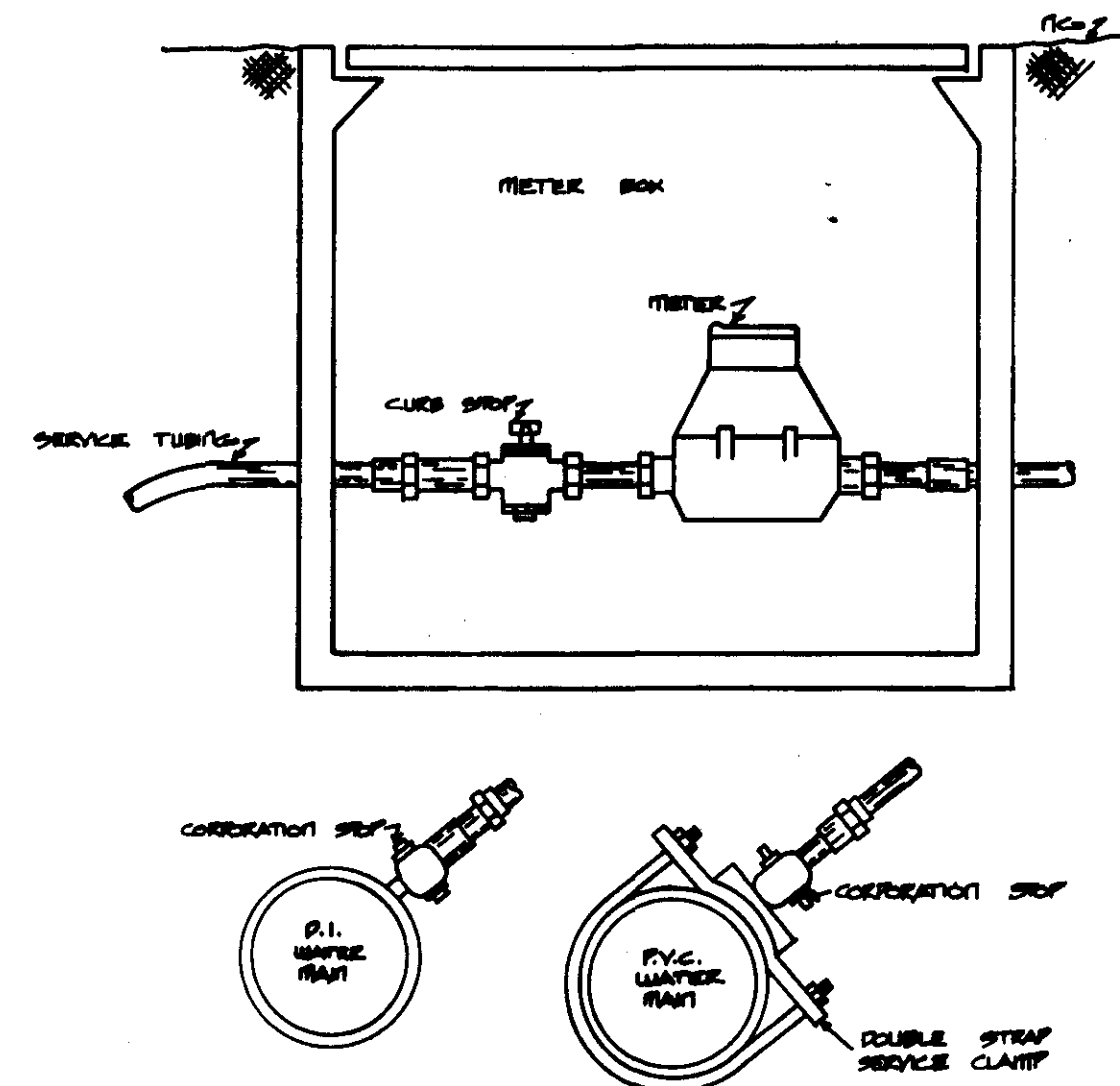
DATE	
BY	
CHECKED	
APPROVED	
NO. OF SHEETS	
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NOTE BOOK	

DATE	
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NOTE BOOK	

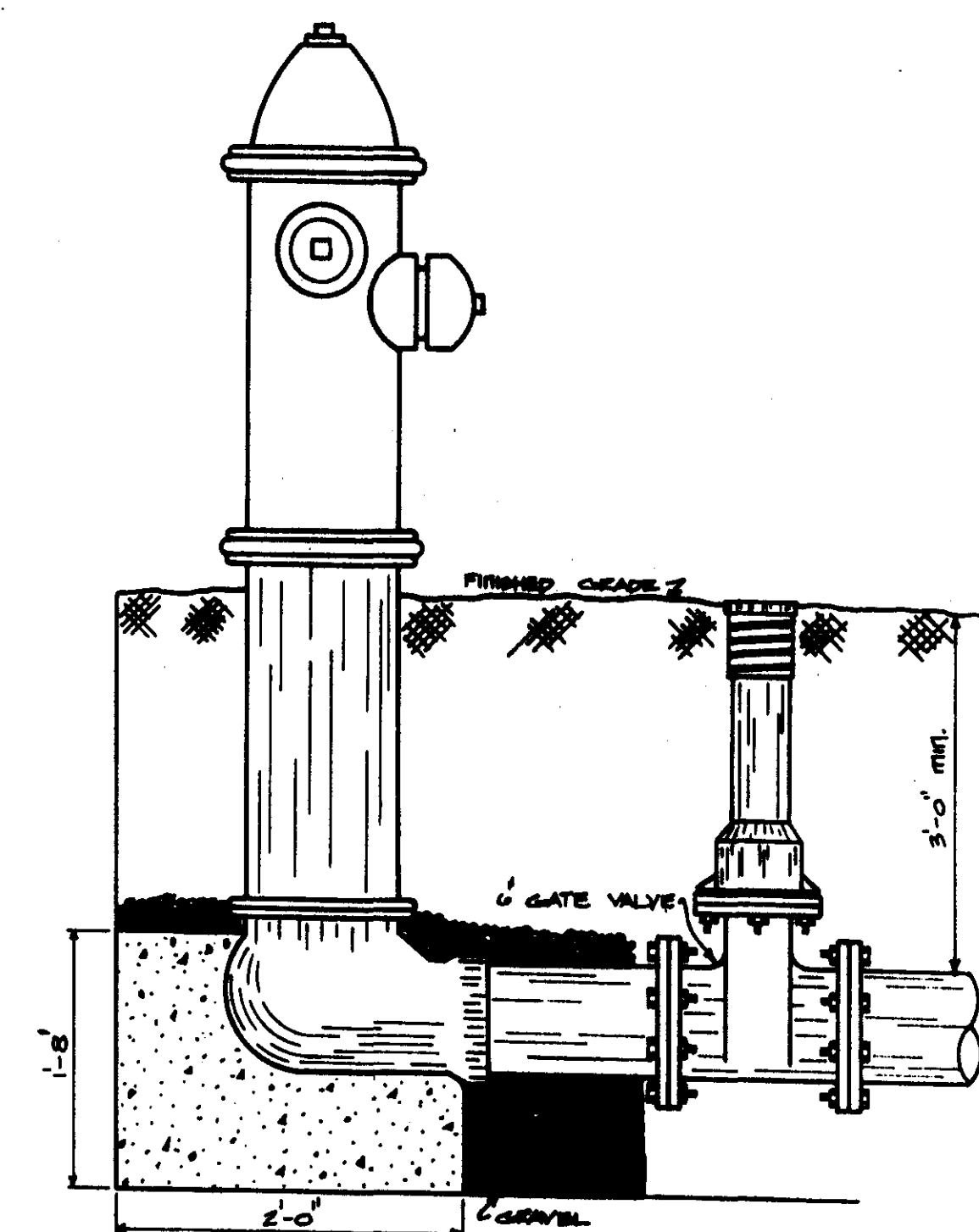




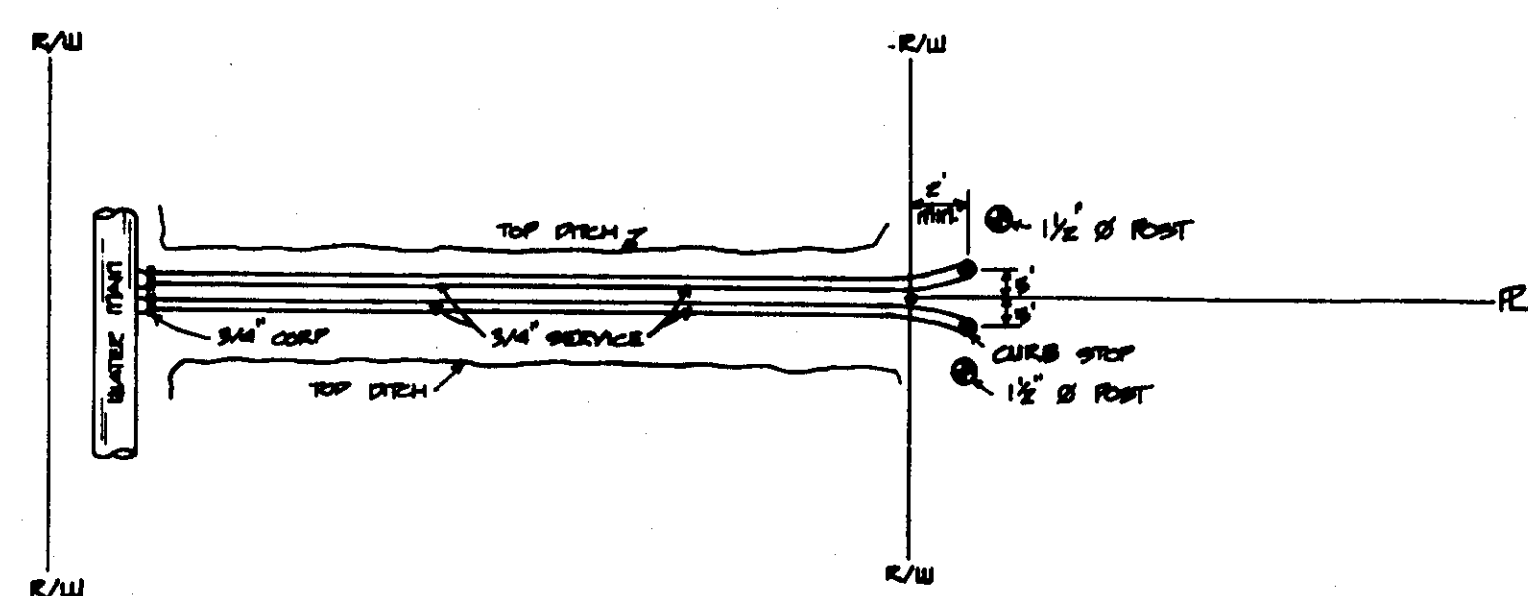
TYPICAL THRUST BLOCKS



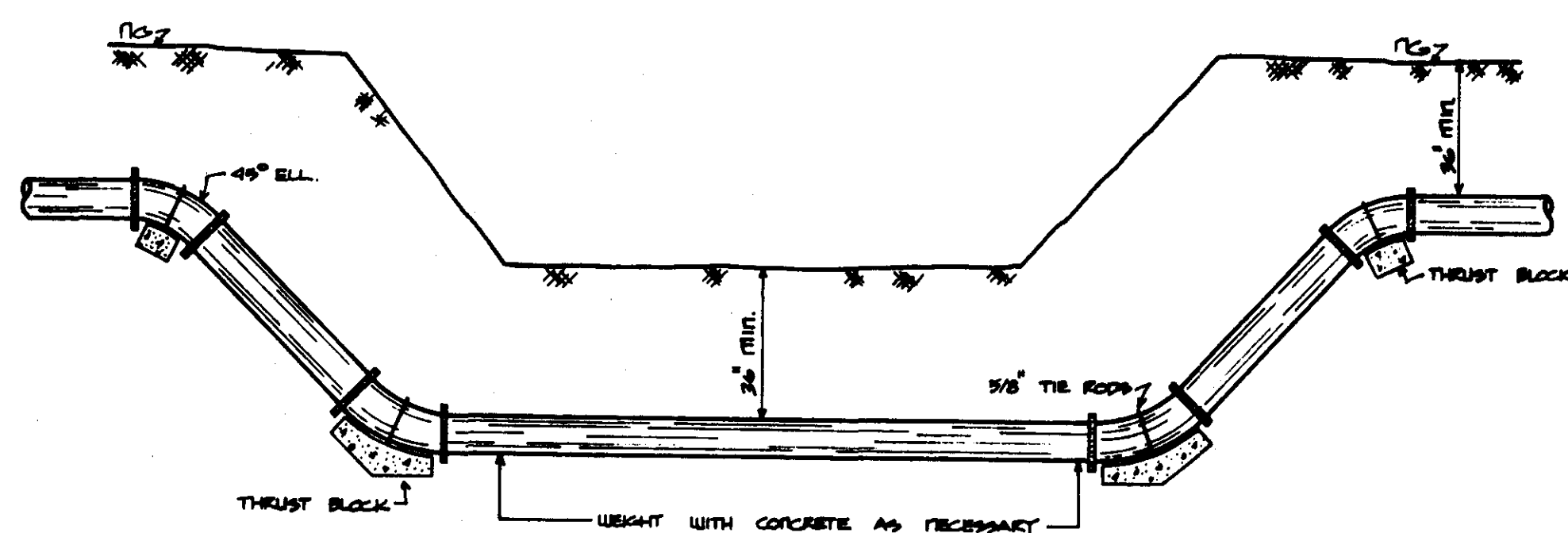
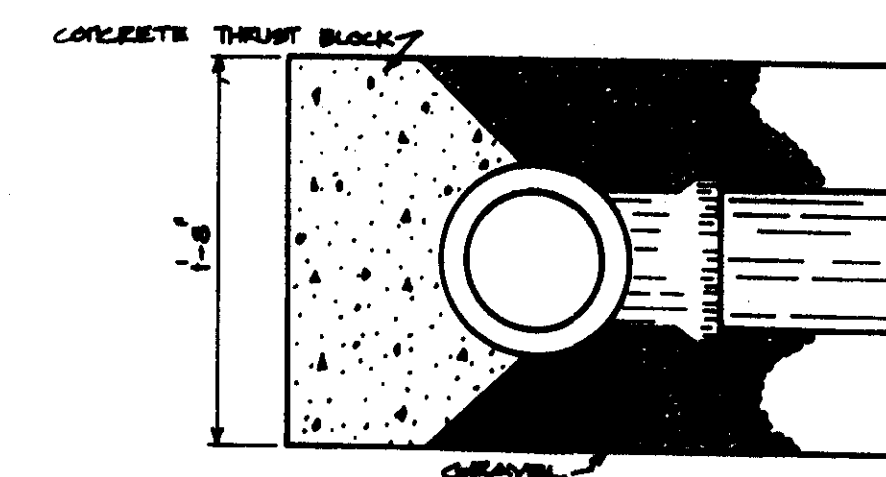
TYPICAL SERVICE ASSEMBLY



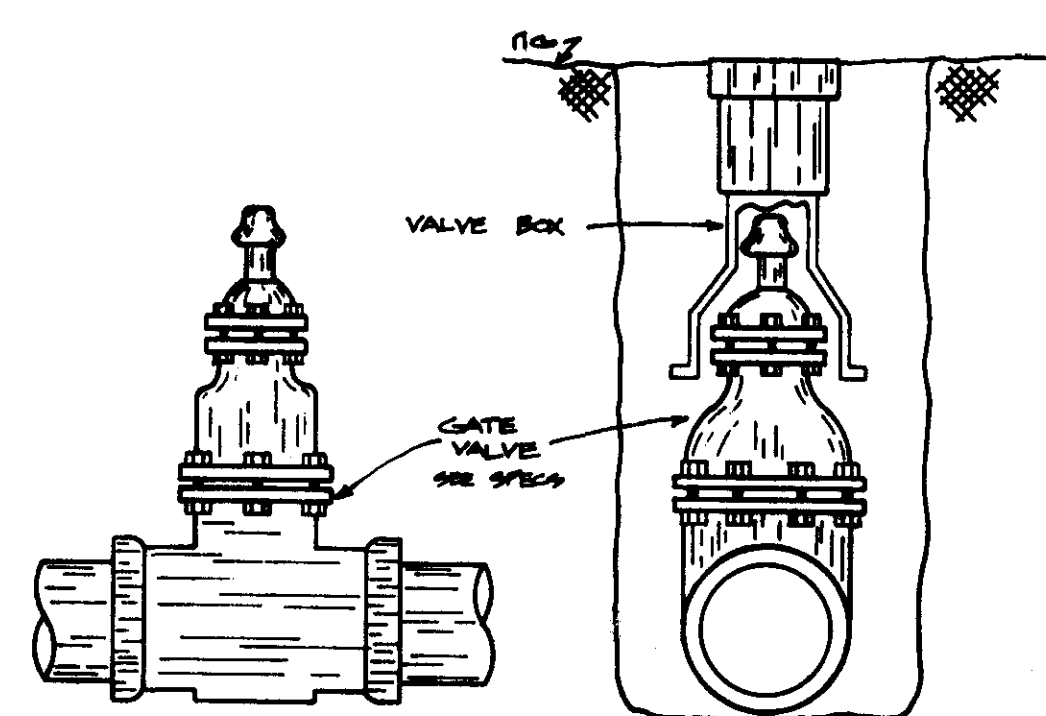
FIRE HYDRANT DETAIL



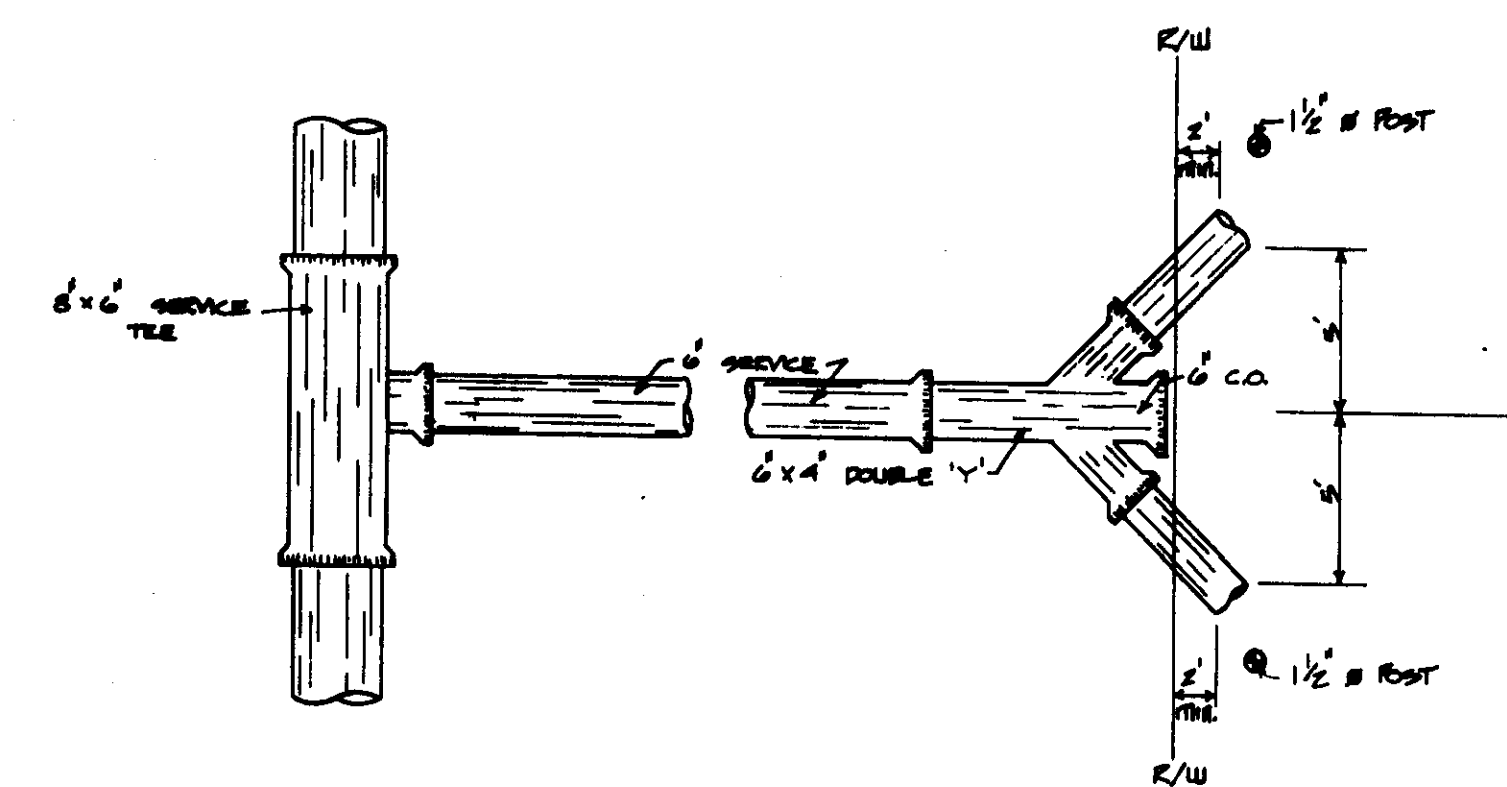
DOUBLE SERVICE DETAIL - WATER



TYPICAL CREEK CROSSING

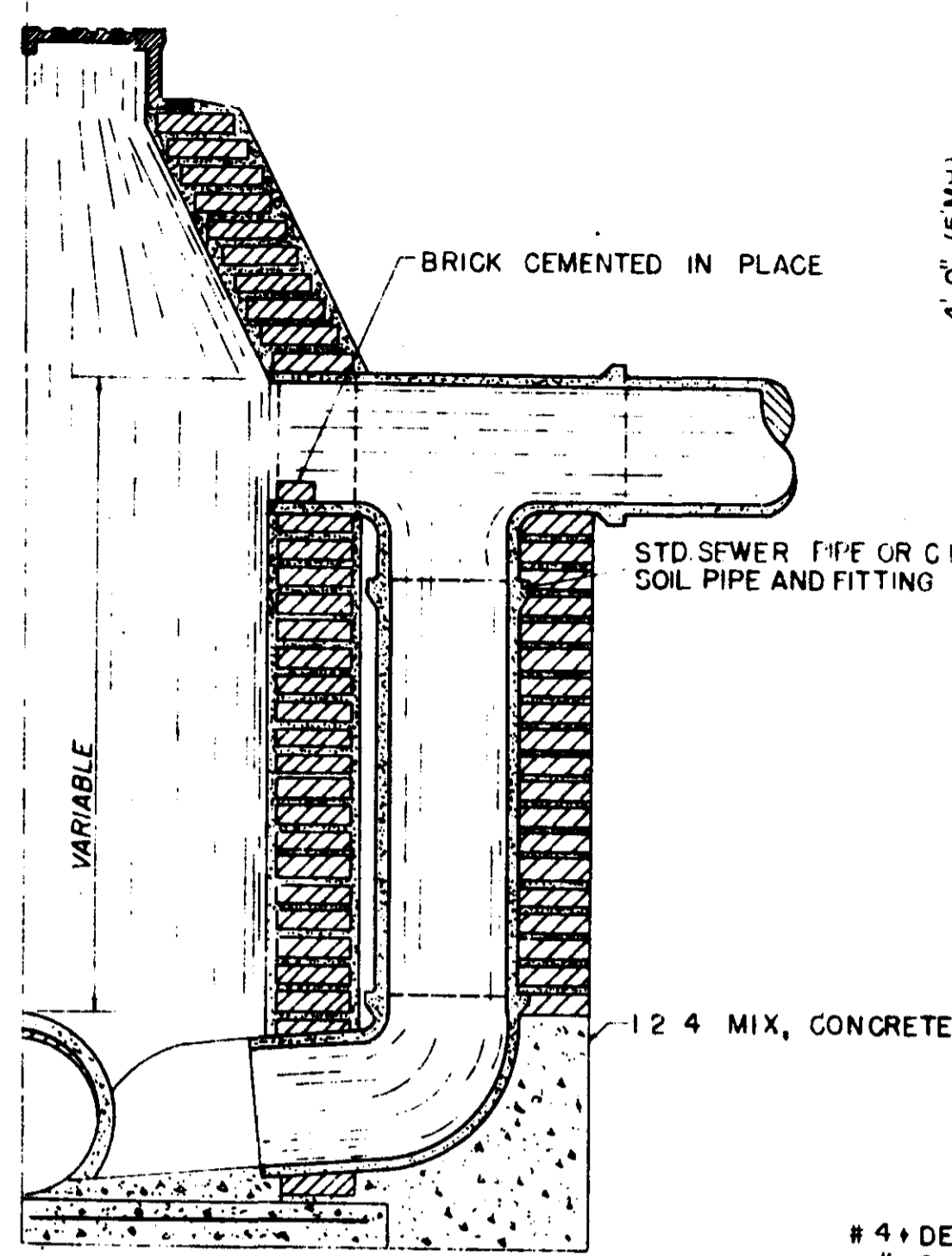


TYPICAL VALVE DETAIL

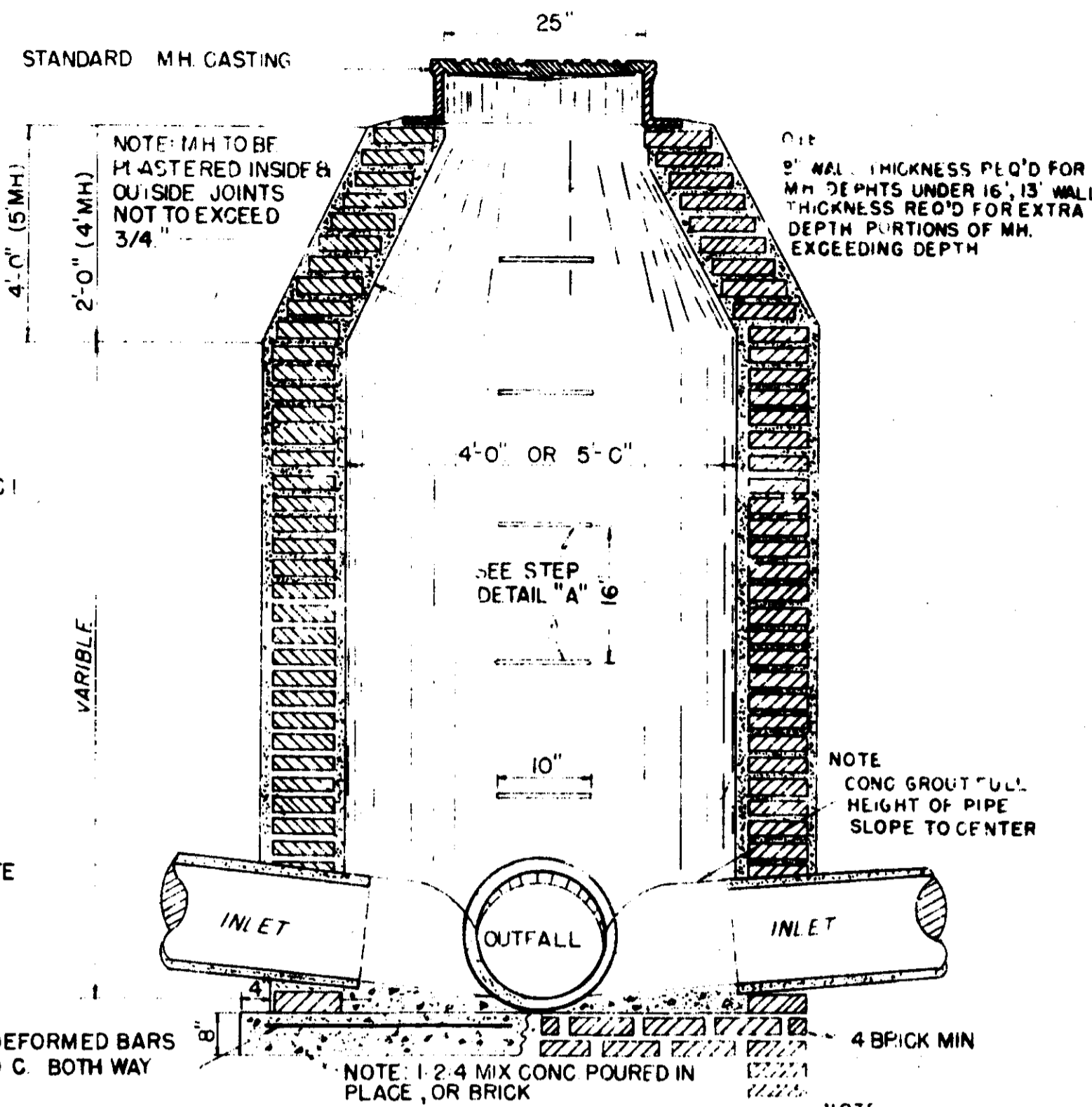


DOUBLE SEWER SERVICE DETAIL

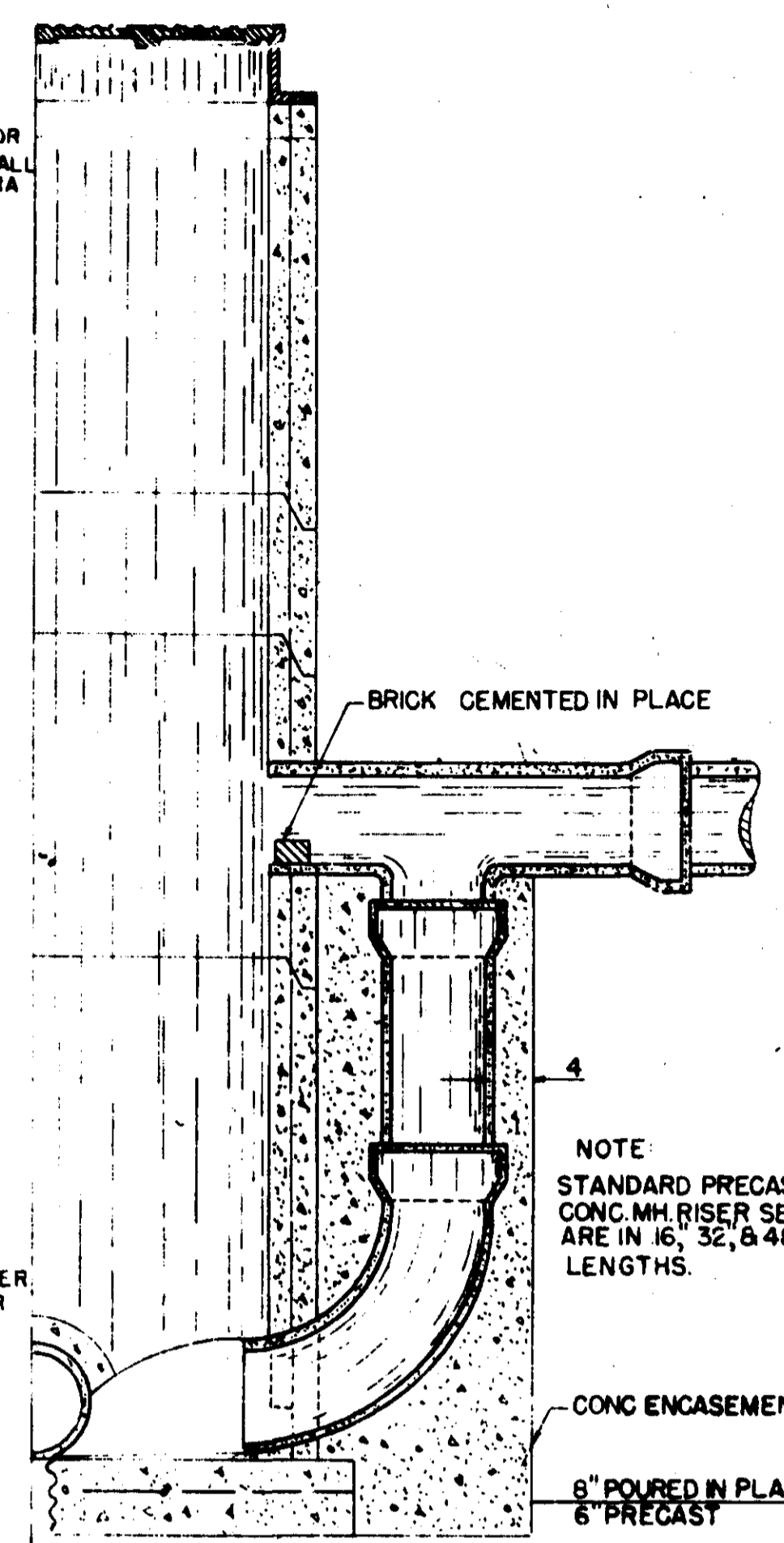
NO.	REVISIONS	BY	DATE
STANDARD WATER DETAILS			
DESIGNED BY: K.P.L.		DRAWN BY: J.L.H.	
SCALE:		DATE: AUG. 1964	



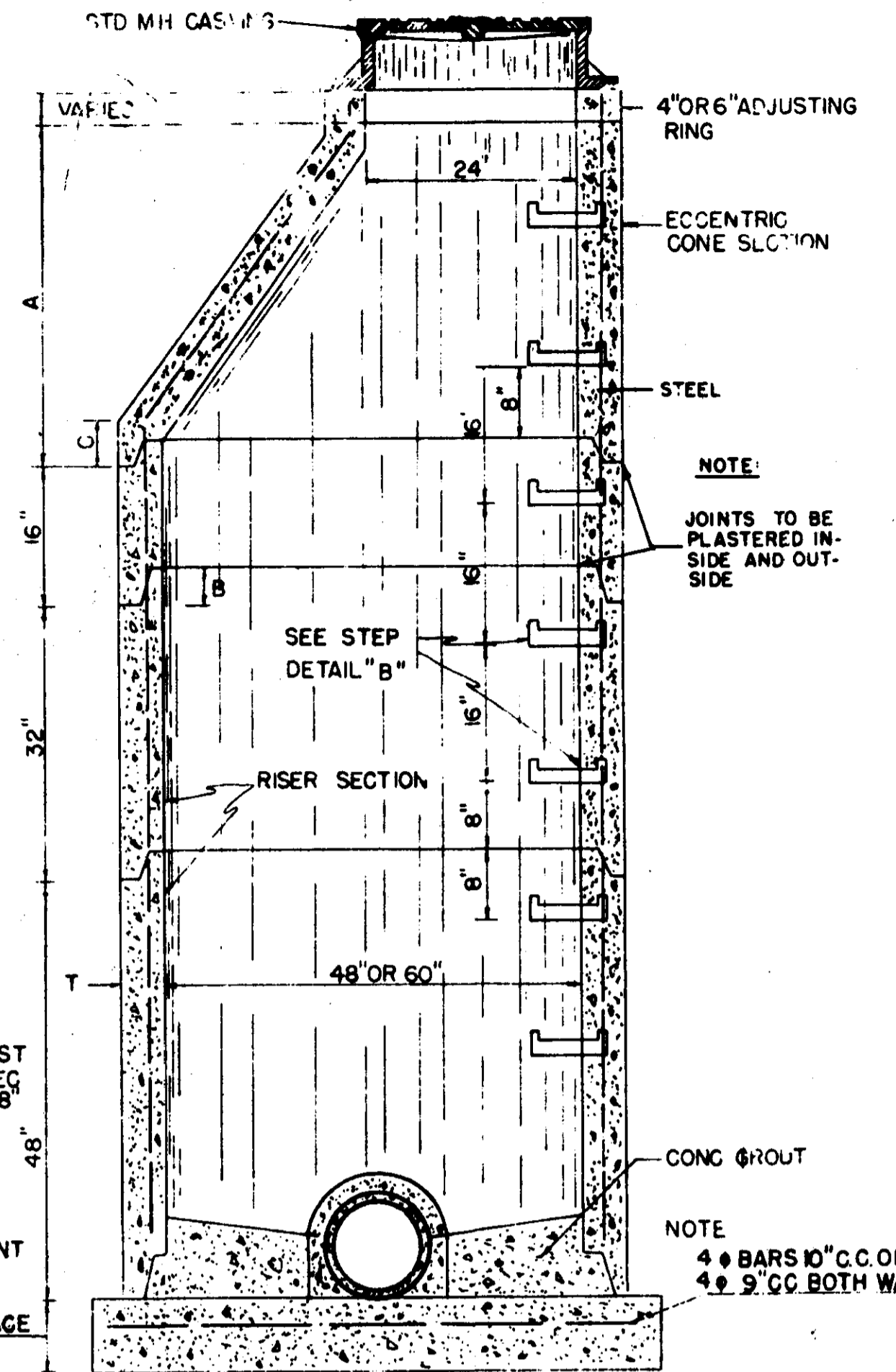
SECTION BRICK MANHOLE WITH DROP CONNECTION



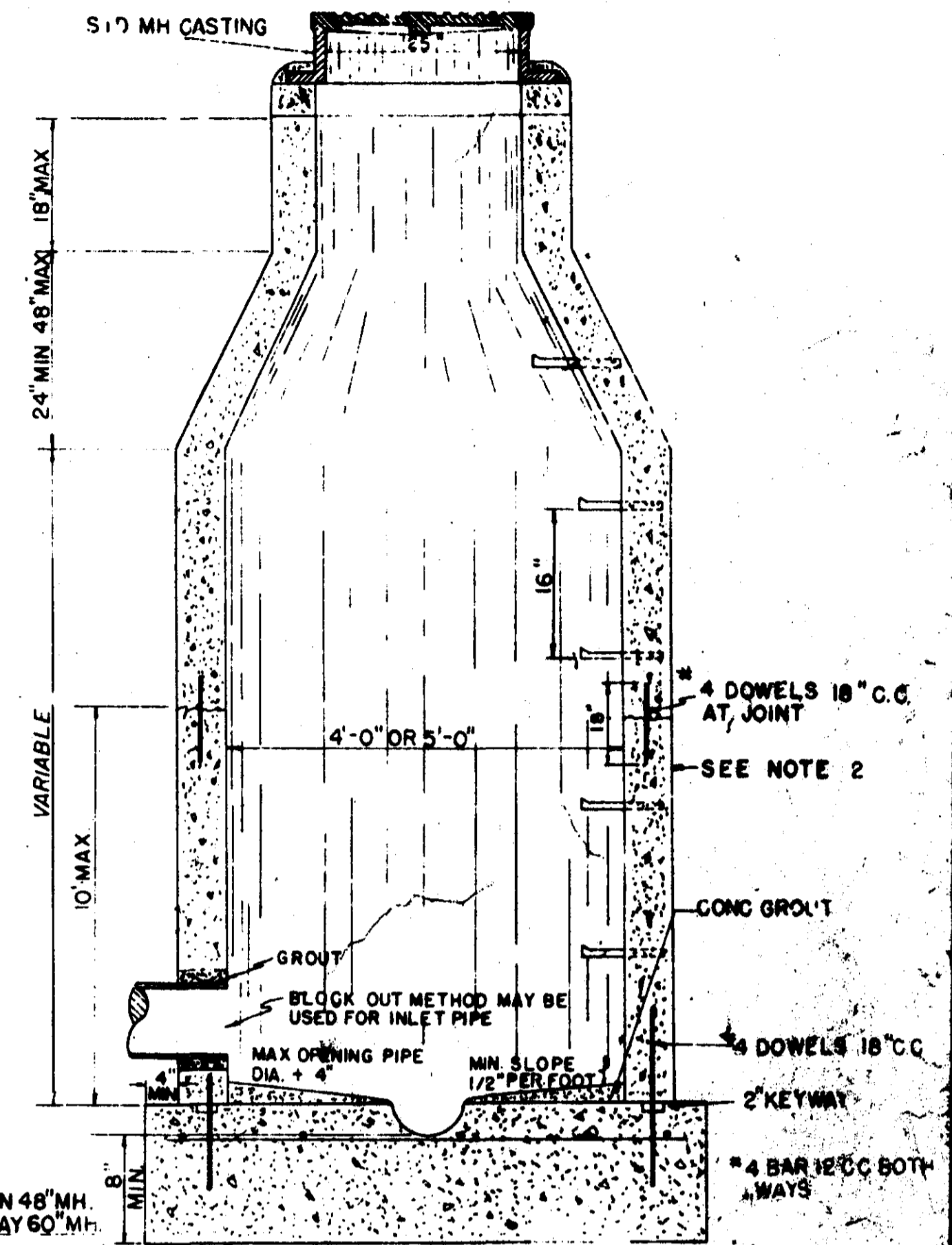
SECTION BRICK MANHOLE



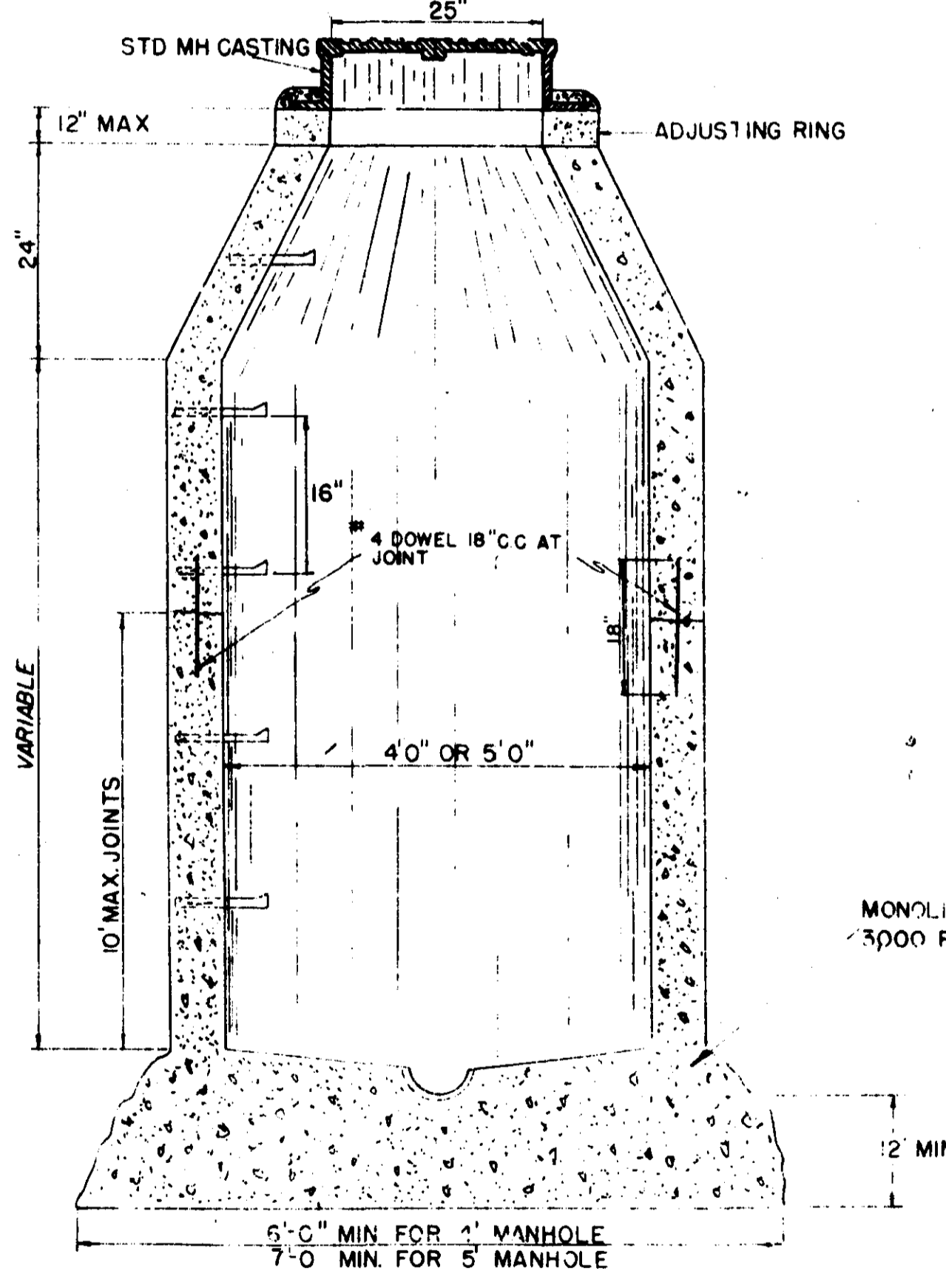
SECTION OF PRECAST CONCRETE MANHOLE WITH DROP CONNECTION



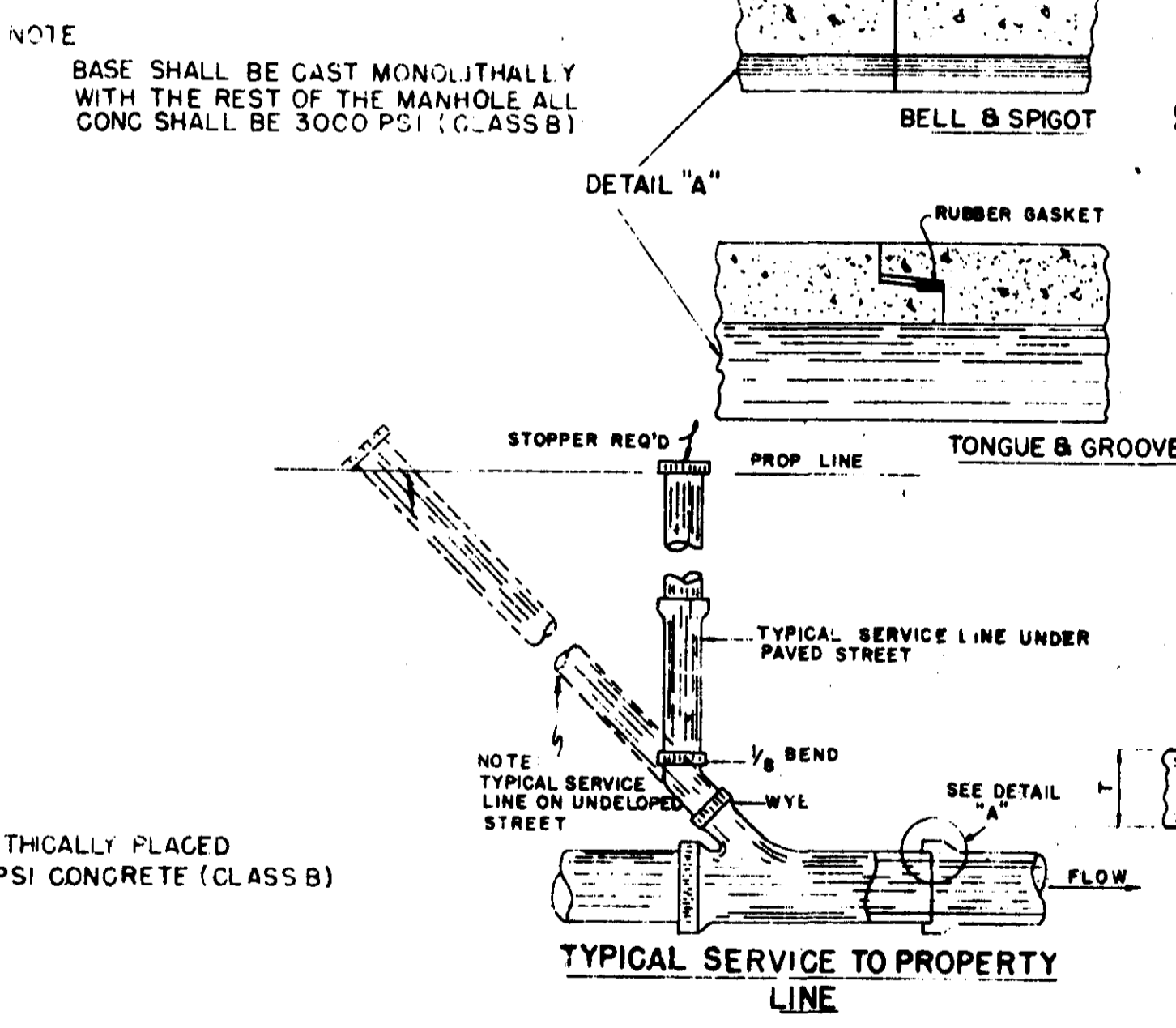
SECTION OF PRECAST CONCRETE MANHOLE



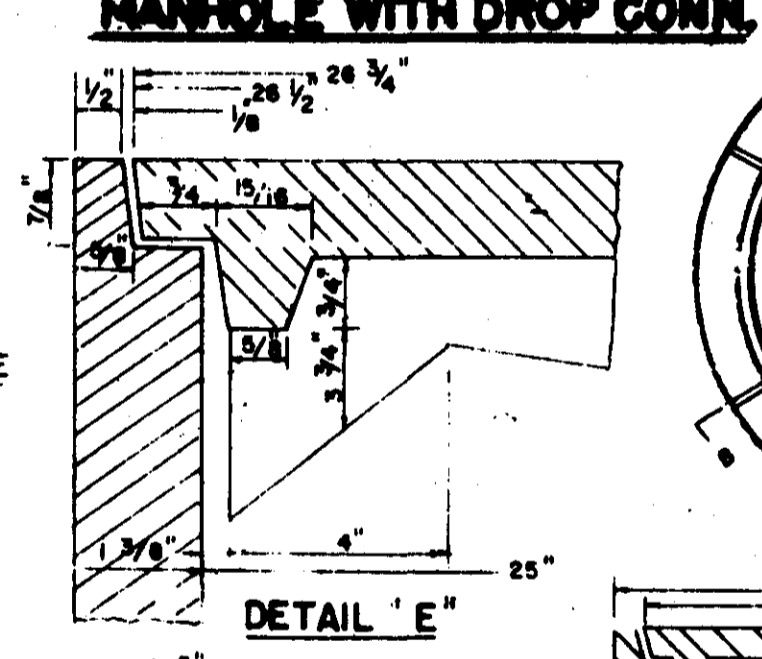
CAST-IN-PLACE MANHOLE WITH PREPOURED BASE



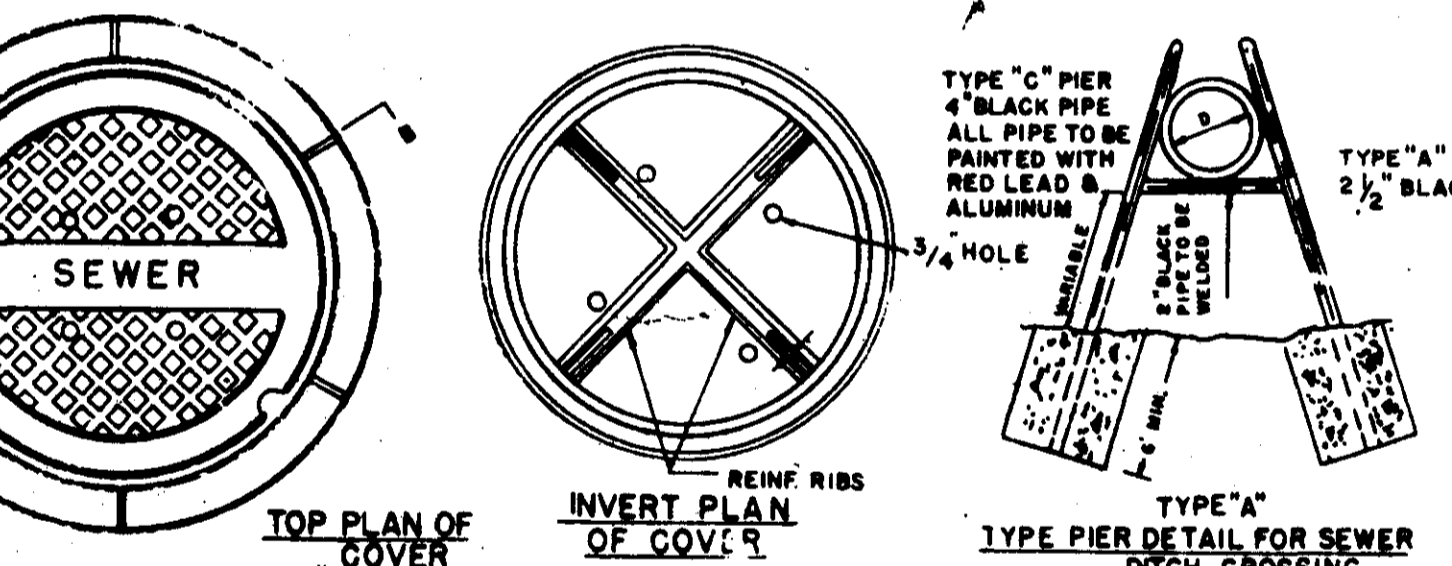
MONOLITHICALLY CAST-IN-PLACE MANHOLE



MONOLITHICALLY PLACED 3000 PSI CONCRETE (CLASS B)



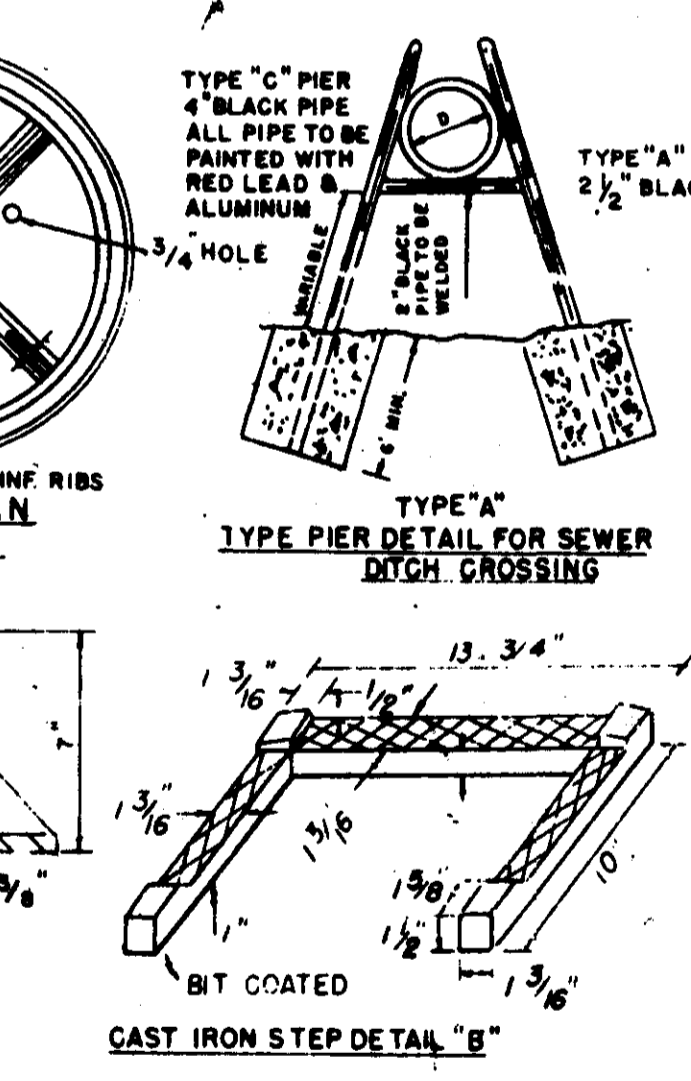
SLAB LIFT DETAIL



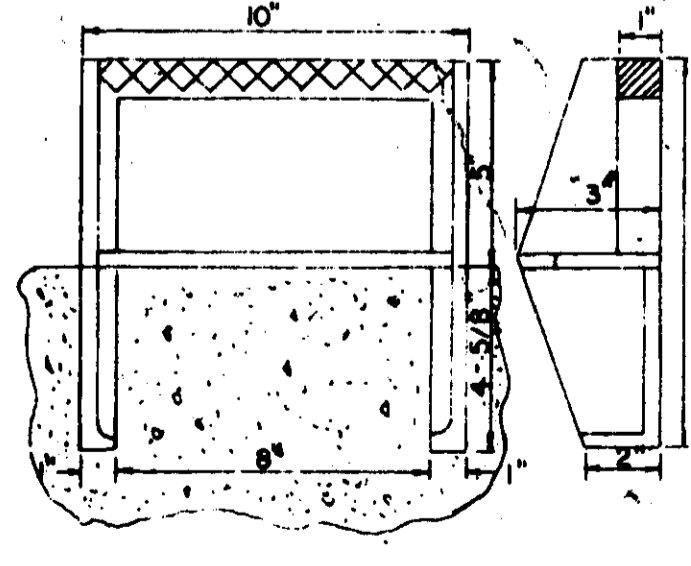
STD. MH CASTING

PIPE DIA.	W	D	T	EST. WT.
48"	5"	58"	6"	1,145 LBS.
54"	5 1/2"	65"	6"	1,990 LBS.
60"	6"	72"	6"	2,515
66"	6 1/2"	79"	6"	3,090
72"	7"	86"	6"	3,720
84"	8"	100"	8"	5,140
96"	9"	114"	8"	6,775
108"	9"	126"	8"	8,345

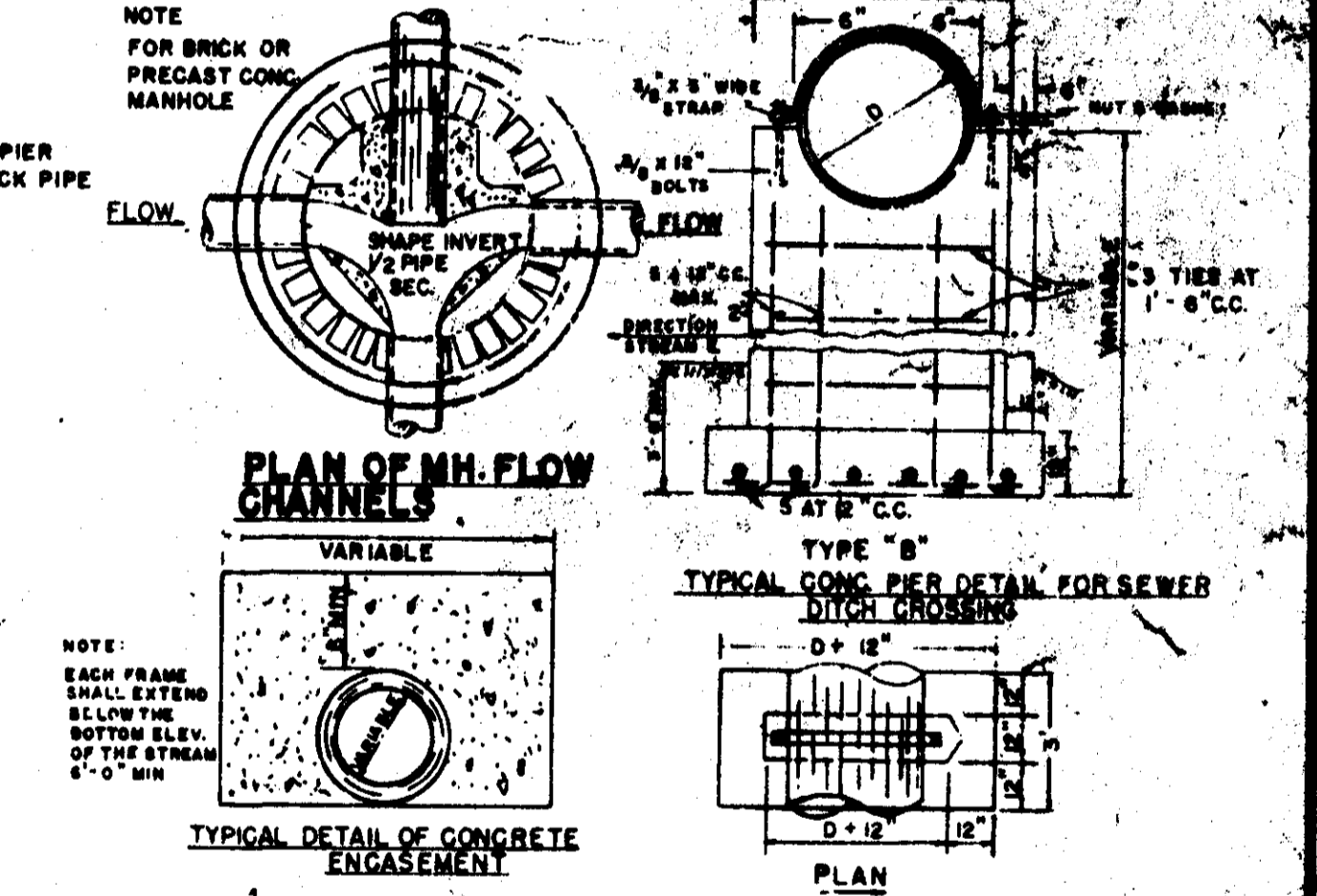
FL/T SLAB MANHOLE TOP



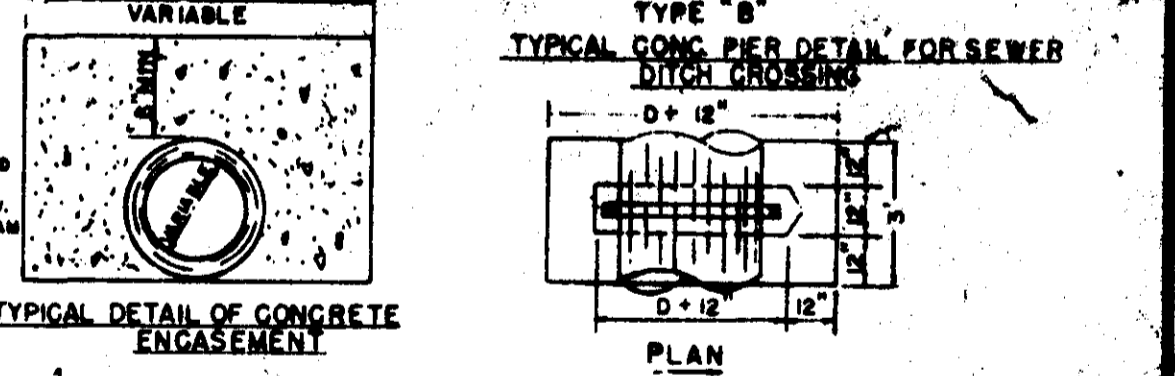
CAST IRON STEP DETAIL B



STEP DETAIL A



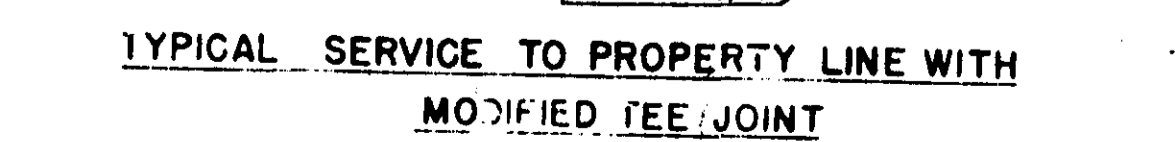
PLAN OF MH FLOW CHANNELS



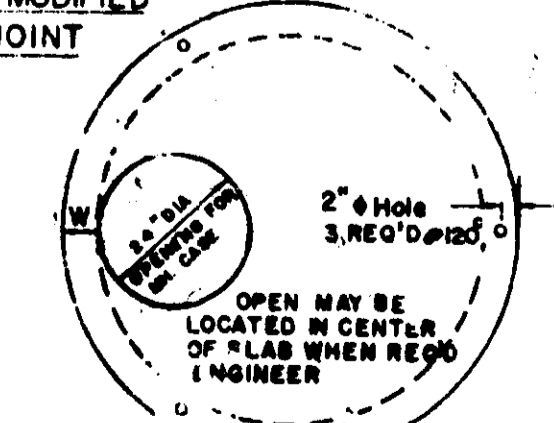
TYPICAL DETAIL OF CONCRETE ENGAGEMENT

GENERAL NOTES
 WHERE SOIL AT THE ELEVATION OF THE BASE OF A MANHOLE IS UNSTABLE THE THICKNESS AND/OR BARS ARE TO BE INCREASED AS DIRECTED BY THE ENGINEER.
 PIPE JOINTS FORMED BY JULI AND HOT Poured BITUMINOUS COMPOUND ARE PERMISSIBLE ONLY WHERE SPECIAL PROVISIONS ARE APPLICABLE.
 JOINTS FORMED BY RUBBER GASKET PLUS REFINED PLASTIC CEMENT COMPOUND WILL BE REQUIRED BY SPECIAL PROVISIONS FOR OUTFALL MAINS IN PLAN.

SECTION OF PRECAST CONCRETE MANHOLE						
DIA.	A	B	C	T	APPROX. WEIGHT LBS.	EST. WGT. LBS.
48"	38"	3 1/2"	5"	5"	2075	870
60"	36"	5"	9"	6"	3455	1250



TYPICAL SERVICE TO PROPERTY LINE WITH MODIFIED TEE JOINT



2\"/>

REVISIONS BY: A.P.P.D.
 DATE: _____
SANITARY SEWER MANHOLE & APPURTENANCE FOR 6" TO 42" SEWER
 STD. NO. 1-138-A (S)