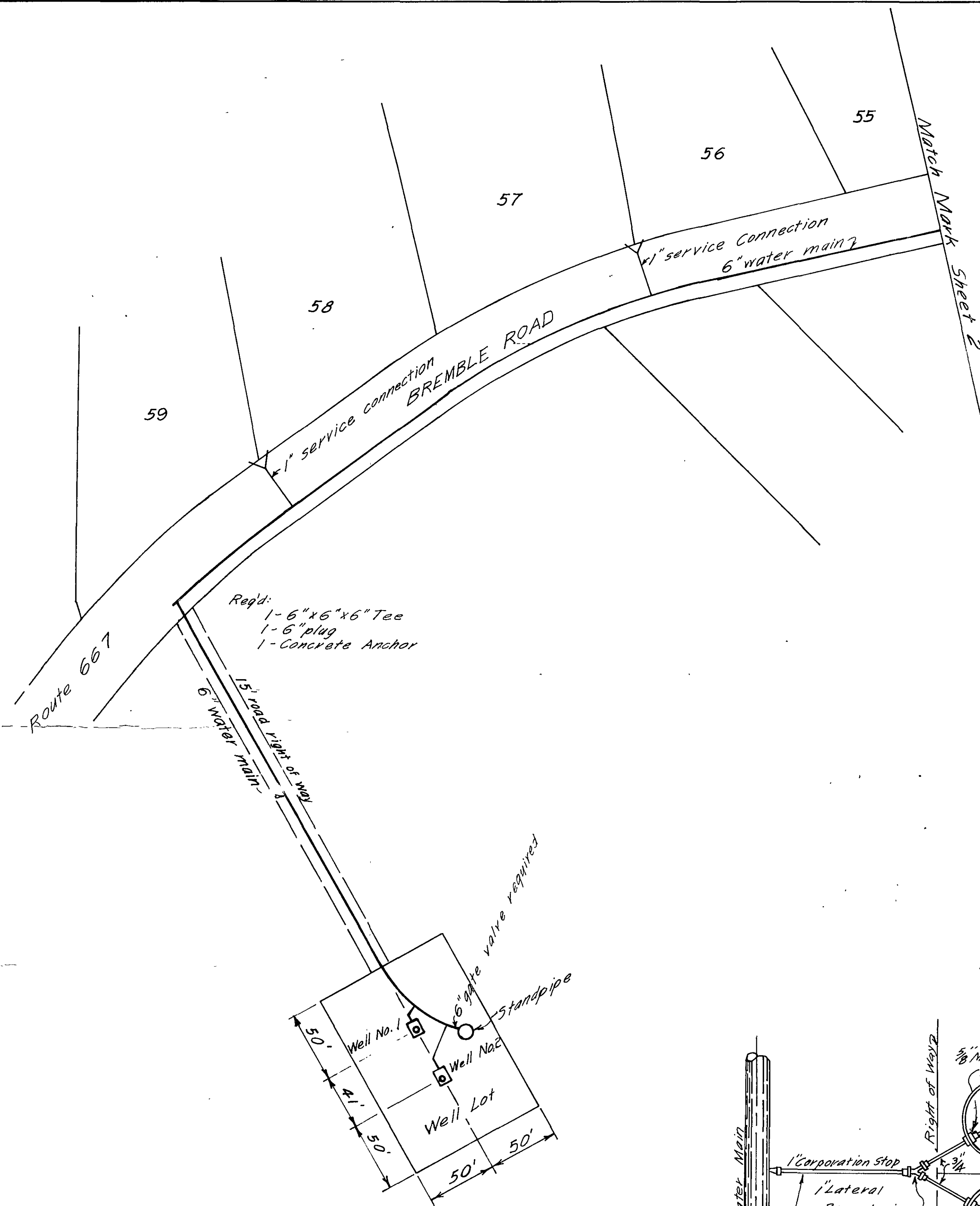
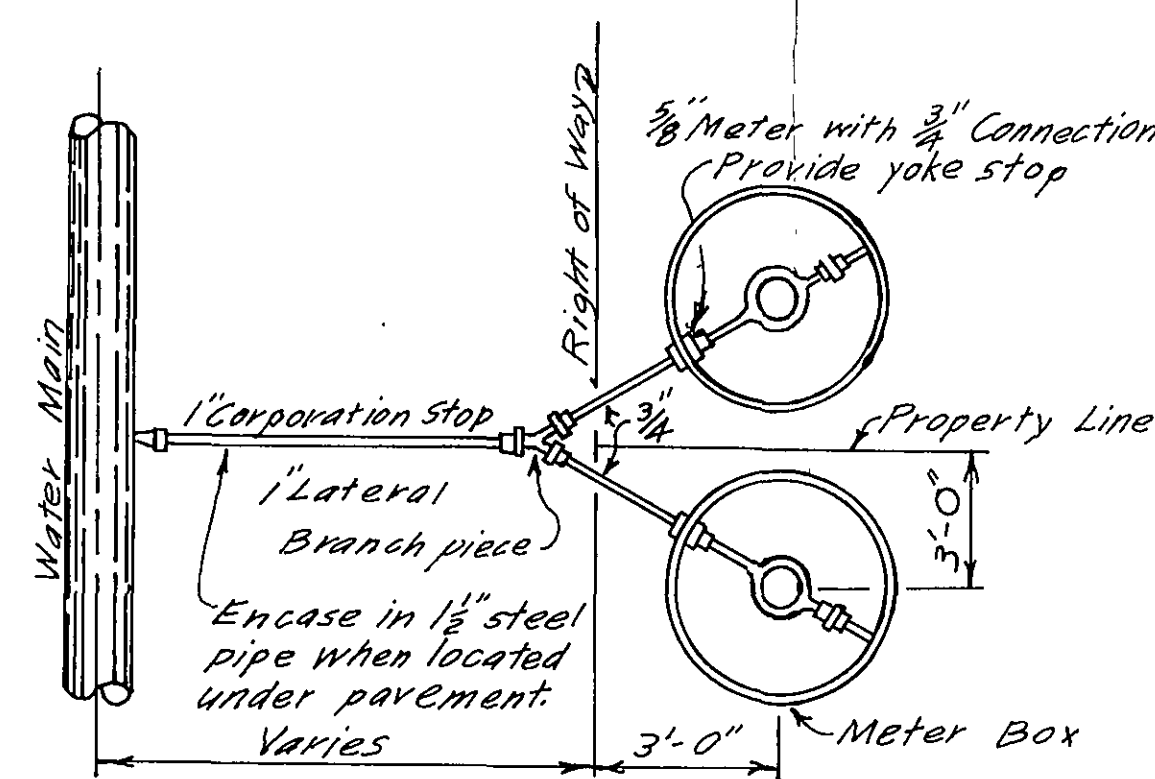
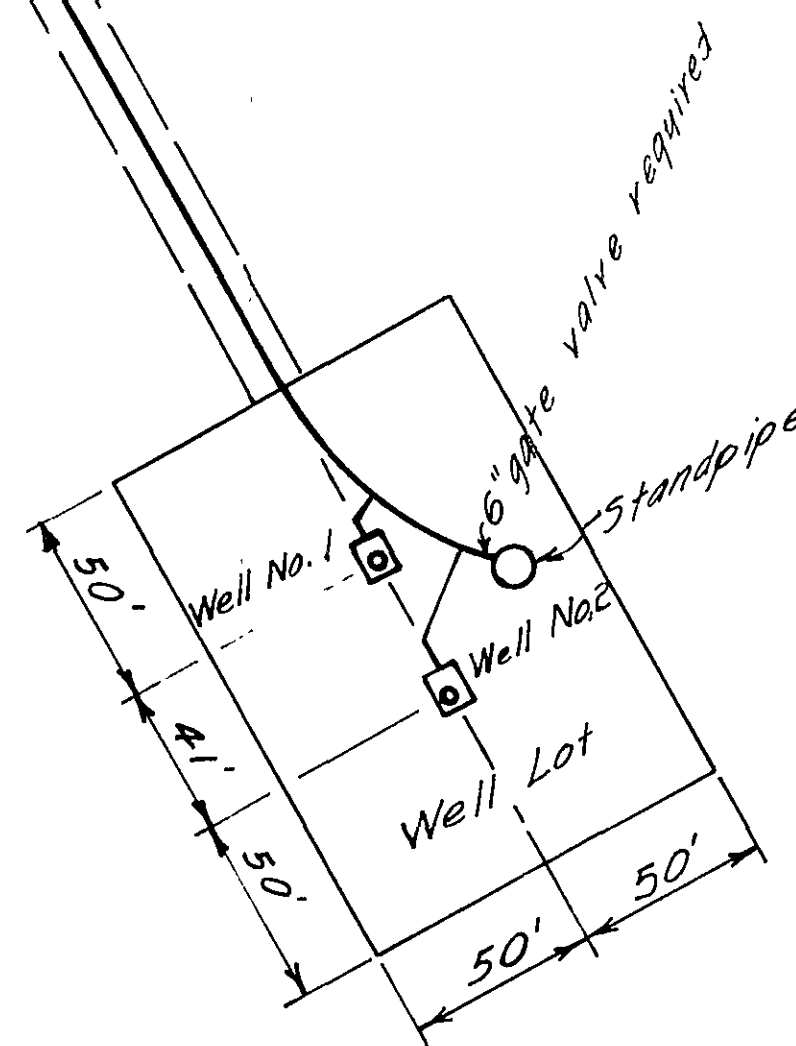




Req'd:
 1- 6"x6"x6" Tee
 1- 6" plug
 1- Concrete Anchor



Note:
 Provide service saddle for all
 taps greater than 3/4"

WATER SERVICE CONNECTIONS

NOT TO SCALE

Notes:

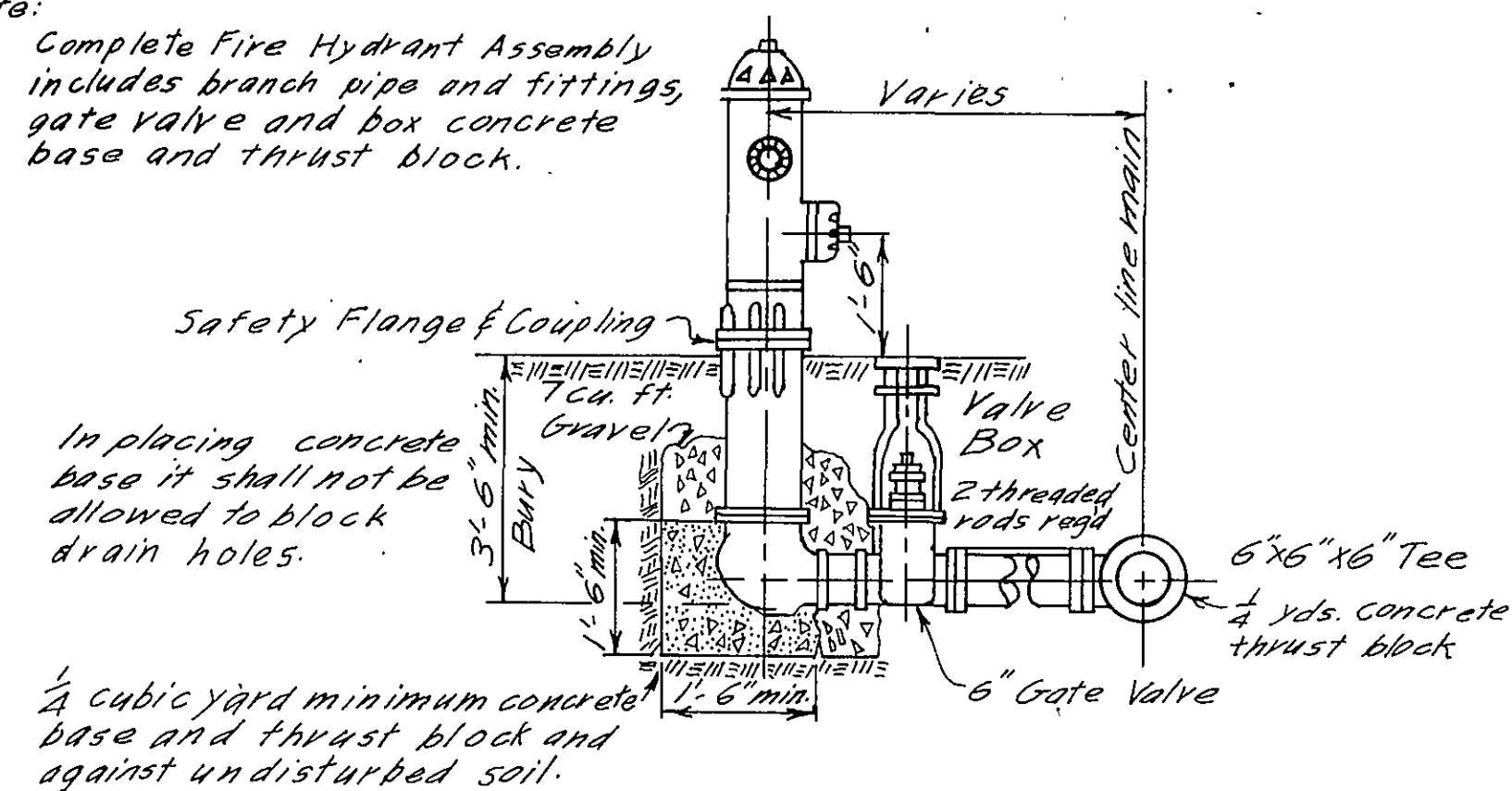
1. The water main shall be constructed of thermoplastic tubing or pipe of approved equal.
2. The thermoplastic tubing shall be Class 160 NSF Potable Water rated with a strength of 500 p.s.i. under standard AWWA test procedure. Tubing shall have a uniform wall thickness and dimensions such that it can be adopted for use with standard water works flare or compression type fittings. Tubing shall be clearly marked to show Potable Water, Class, Size and manufacturer's name.
3. Water lines shall be laid at least ten feet horizontally from a sanitary sewer, storm sewer, or manhole; the distance shall be measured edge to edge. When crossing a sanitary or storm sewer is necessary there shall be a vertical separation of 18" between bottom and top of the pipes. The length of the water line shall be centered at the point of the crossing so that joints shall be equidistant and as far as possible from the sewer. Adequate structural support shall be provided to prevent deflection or joint separation of the sewer or water main.
4. All materials, construction & etc. shall meet all current specifications and requirements of The Virginia Department of Health.
5. All water mains shall be tested at 2 times the working pressure & the leakage shall be within the following limit:

$$L = \frac{N \times D \times \sqrt{P}}{1850}$$

L = Leakage in gallons per hour
 N = Number of joints in main
 D = Diameter of pipe
 P = Average pressure during test
6. The water main shall be disinfected by placing 0.10 pounds Calcium Hypochlorite tablet per 100 lineal feet of 6" water main (0.05 pounds for 4" main). The tablets shall be placed in each section of pipe and also in hydrant, hydrant branches, and other appurtenances. All the tablets within the main must be attached to the top of the main with Permatex No. 1 as manufactured by the Permatex Co., Brooklyn, New York, or approved equal by the engineer. The water main shall be filled slowly not exceeding 60 g.p.m. and let stand for 24 hrs., then the line shall be flushed at 120 g.p.m. until all the chlorine has been removed a sample shall be collected from the end of each line and tested for bacteriologic quality and show the absence of coliform organisms before the line is put in service.
7. No fire hydrant shall be installed on any water main less than 6" in diameter.
8. All water mains shall have a minimum cover of 3'-0". A continuous and uniform bedding shall be provided in the trench for all buried pipe. Stones and rocks found in the trench shall be removed for a depth of at least six inches below the bottom of the pipe and tamped selected fill bedding provided. After the pipe has been placed in trench the trench shall be backfilled with selected material thoroughly compacted using care not to damage the pipe.

Note:

Complete Fire Hydrant Assembly
 includes branch pipe and fittings,
 gate valve and box concrete
 base and thrust block.



FIRE HYDRANT ASSEMBLY

NOT TO SCALE

WATER SYSTEM
 to serve
THE WATER FRONT
 for
BREMBLE PROPERTIES, INC.
 GILLS CREEK MAG. DIST.

Prepared by:
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 707 Gratton Road, Martinsville, Va. 24112
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Scale: 1 inch = 50 feet

