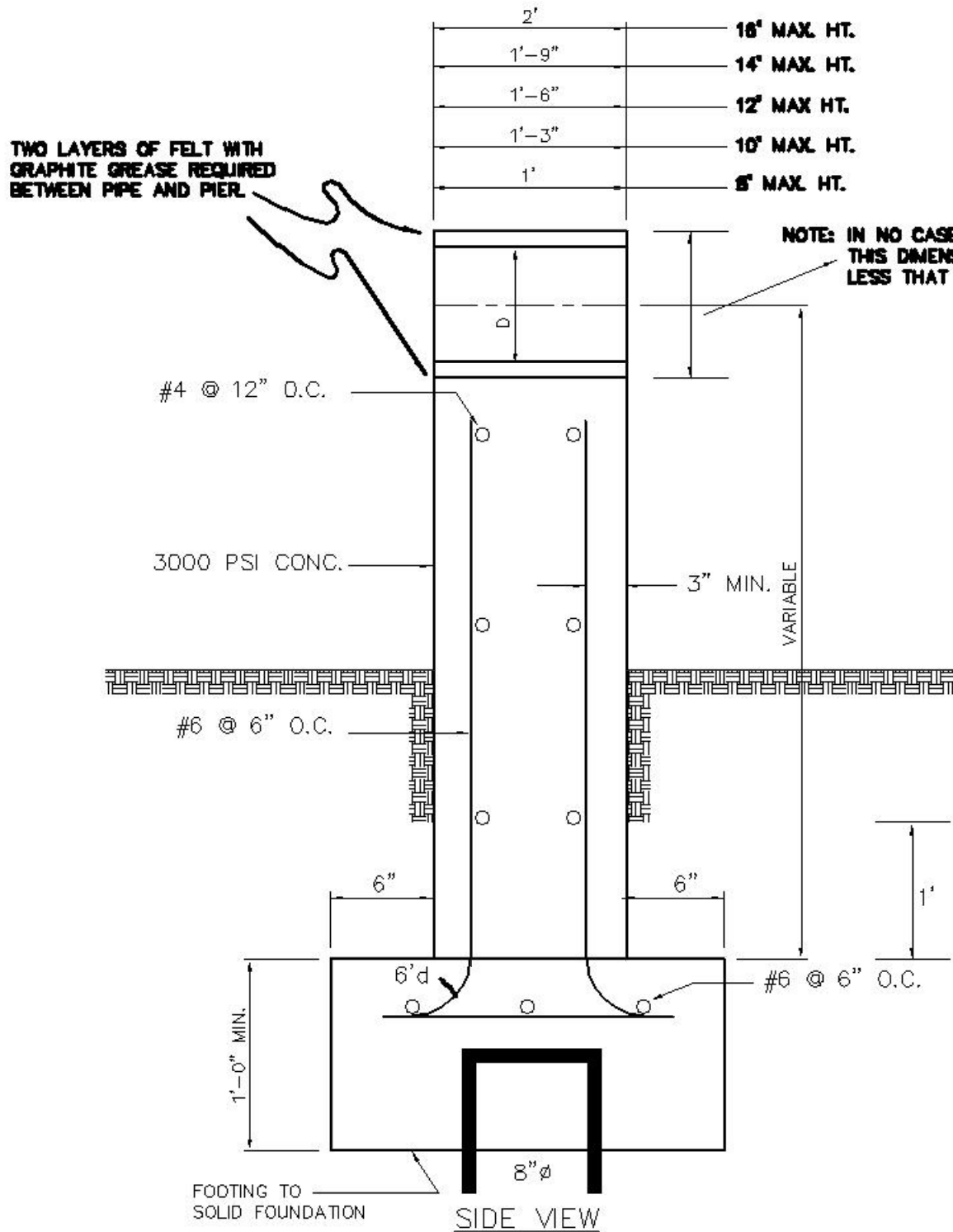


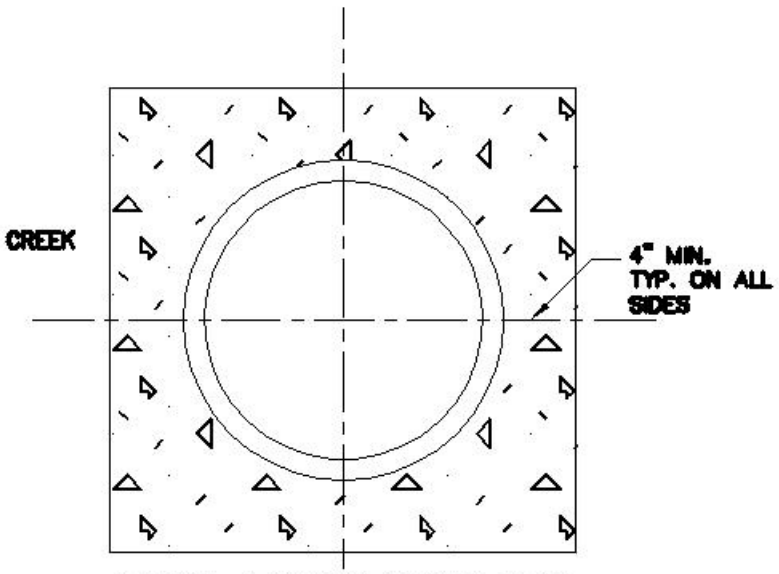
SIDE VIEW

NOTE:
PILES ARE FOR USE ON ALL PIERS WHERE A ROCK FOOTING CAN NOT BE REACHED.

NOTE:
PILES TO BE DRIVEN TO A BEARING OF 15,000 LBS. AS FIGURED BE THE FOLLOWING FORMULA:

$$P = \frac{2WH}{S+0.7\left(\frac{H}{15}\right)}$$ FOR GRAVITY HAMMERS (FOR OTHER TYPES SEE CITY ENGINEER)

P=BEARING IN POUNDS
W=WEIGHT (IN POUNDS) OF STRIKING PARTS OF HAMMER
H=HEIGHT OF FALL IN FEET
S=AVERAGE PENETRATION PER BLOW FOR LAST 5 TO 10 BLOWS



CONC. ENCASEMENT FOR SANITARY SEWER (N.T.S.)

REVISED	F.B.	PG.	DATE: MAY 29, 1974
5/30/86 1/05/95 02/24/05			SCALE: NTS DRAWN BY: RMN, EZ CHECKED BY: NBM, FAP CITY ENGINEER: JPB

STANDARD DETAIL

CONCRETE PIER DETAIL
(THIS IS TO BE USED FOR ALL CREEK CROSSINGS)

OFFICE OF THE
CITY ENGINEER
GASTONIA, N.C.

FILE NO. **71B–15**