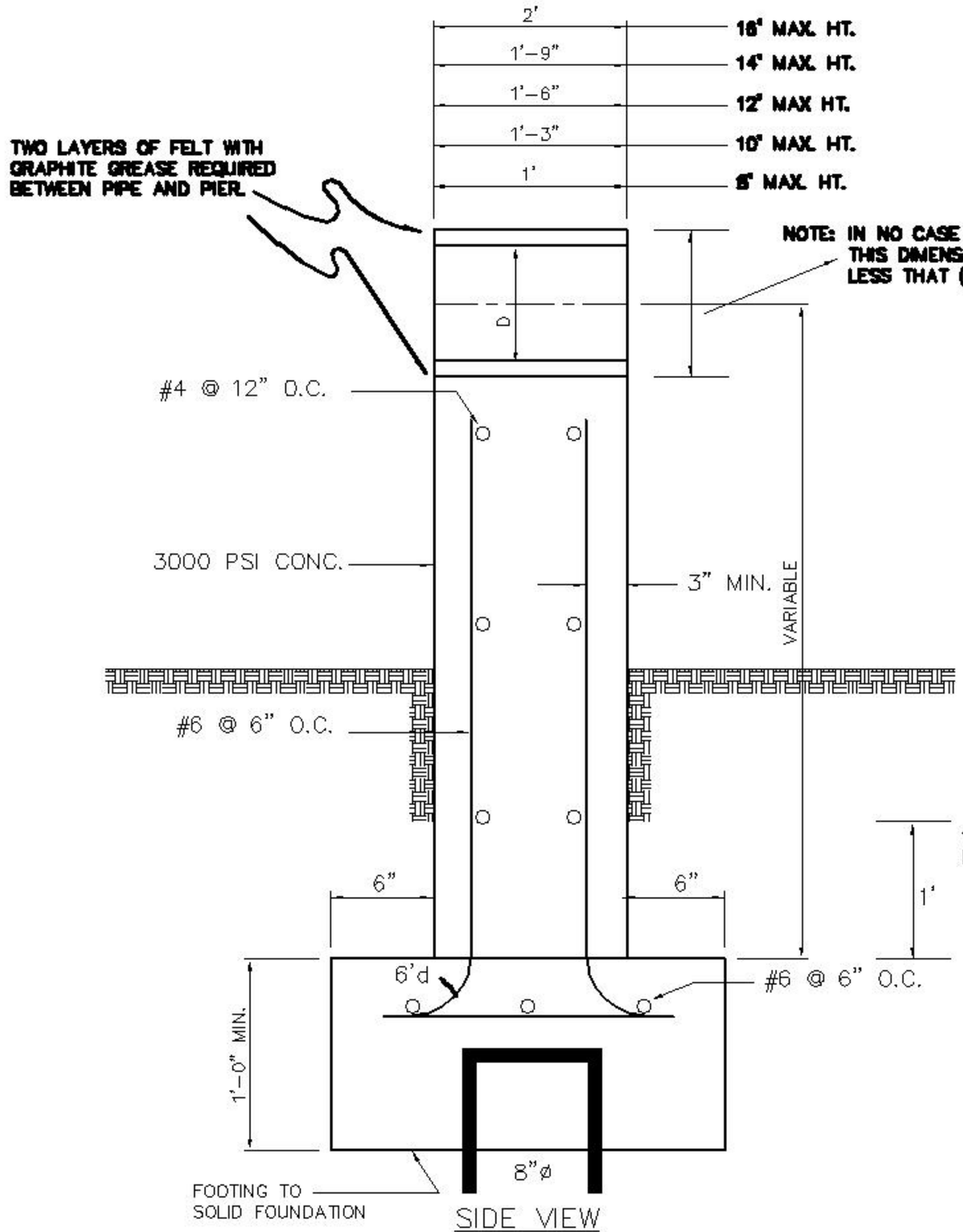


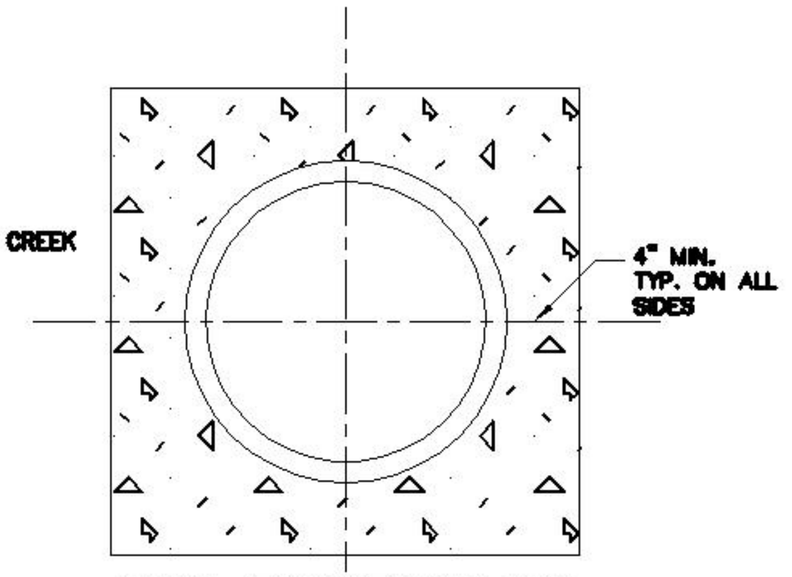
SIDE VIEW

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	STANDARD DETAIL	OFFICE OF THE CITY ENGINEER GASTONIA, N.C.
5/30/86 1/05/95 02/24/05			SCALE: NTS DRAWN BY: RMN, EZ CHECKED BY: NBM, FAP CITY ENGINEER: JPB	CONCRETE PIER DETAIL (THIS IS TO BE USED FOR ALL CREEK CROSSINGS)	FILE NO. 71B–15