



NOTES:

1. Concrete shall be 420-C-2000
2. Thrust Blocks sized for test pressure at 200 psi with a soil bearing pressure value of 1500 psf.
3. Thrust blocking shall be placed so the pipe and fitting joints will be accessible for repair.
4. Thrust Blocks shall be poured against undisturbed soil.
5. All water mains shall be ductile iron pipe (Class 350).

BEARING AREA OF THRUST BLOCK (SF)					
PIPE SIZE	TEES/ ENDS	90°	45°	22 1/2°	11 1/4°
4"	2.5	3.5	2.0	N.A.	N.A.
6"	5.0	7.0	4.0	2.0	N.A.
8"	8.5	12.0	6.5	3.5	N.A.
10"	13.0	18.5	10.0	5.0	2.5
12"	18.5	25.5	14.0	7.0	3.5
14"	24.5	35.0	19.0	10.0	5.0
16"	32.0	45.0	24.0	12.5	6.0
18"	40.0	56.0	30.5	15.5	8.0
20"	49.0	69.0	37.5	19.0	10.0
24"	70.0	98.5	53.5	27.5	13.5

<p>REVISED</p> <p>DATE _____</p> <p>_____</p> <p>_____</p> <p>_____</p>	<p>CITY OF NORCO</p> <p>PUBLIC WORKS DEPARTMENT – WATER UTILITY</p> <p>THRUST BLOCK</p>	<p>DRAWN <u>SJN</u></p> <p>DATE <u>12-6-16</u></p> <p>STD. NO.</p> <p style="font-size: 24pt;">445</p>
<p>APPROVED _____ DATE <u>12/6/16</u></p> <p>DIRECTOR OF PUBLIC WORKS</p>		