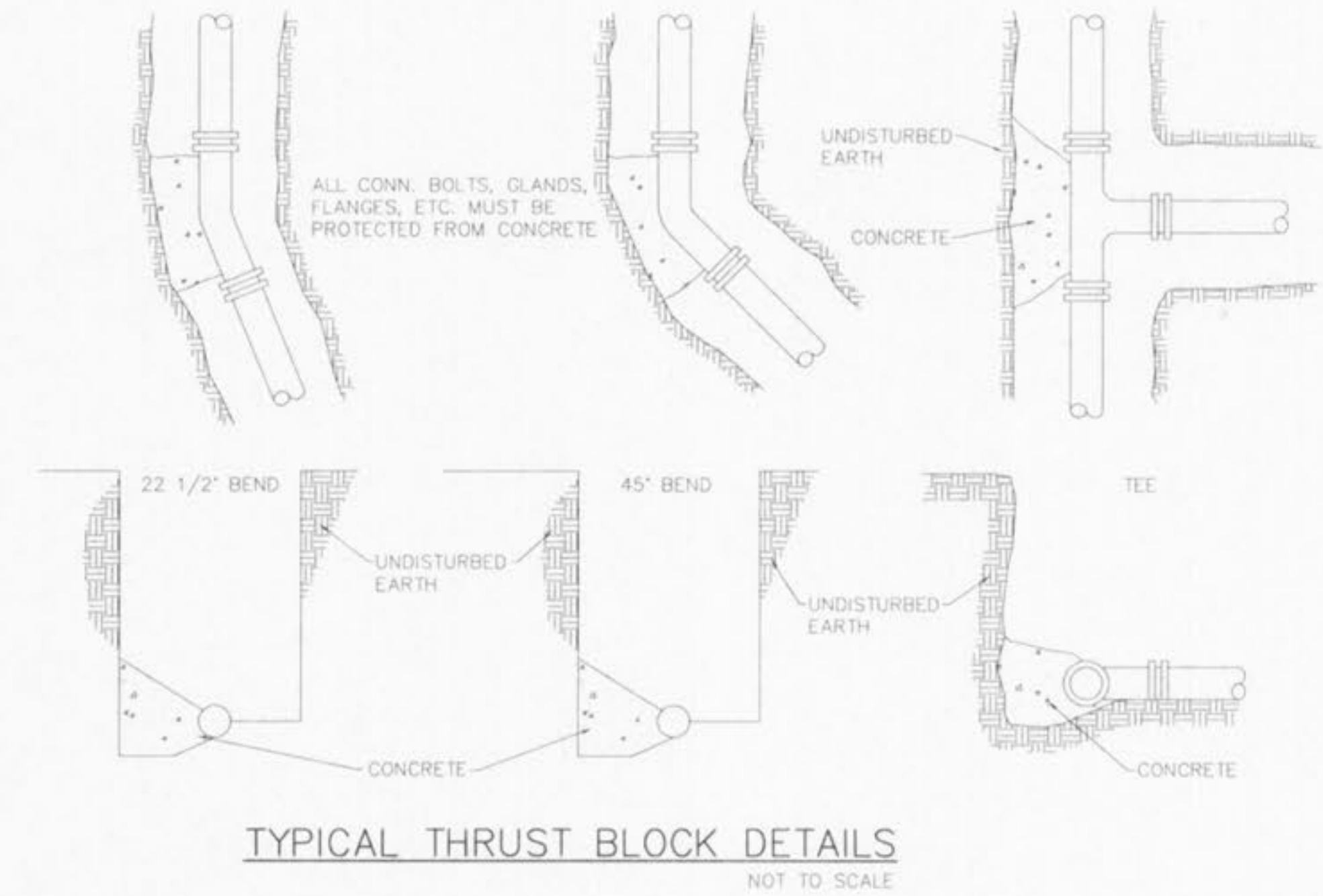
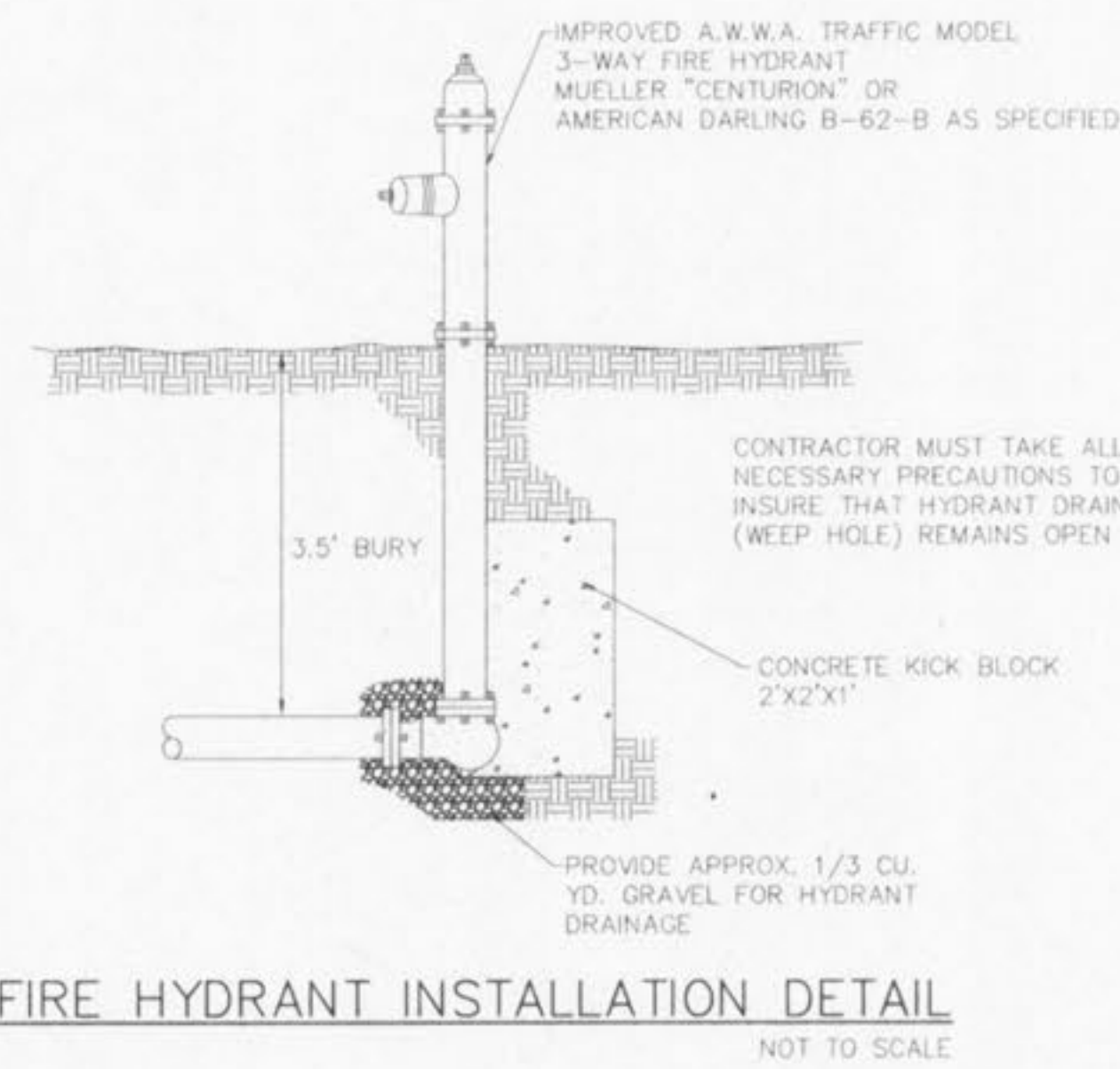
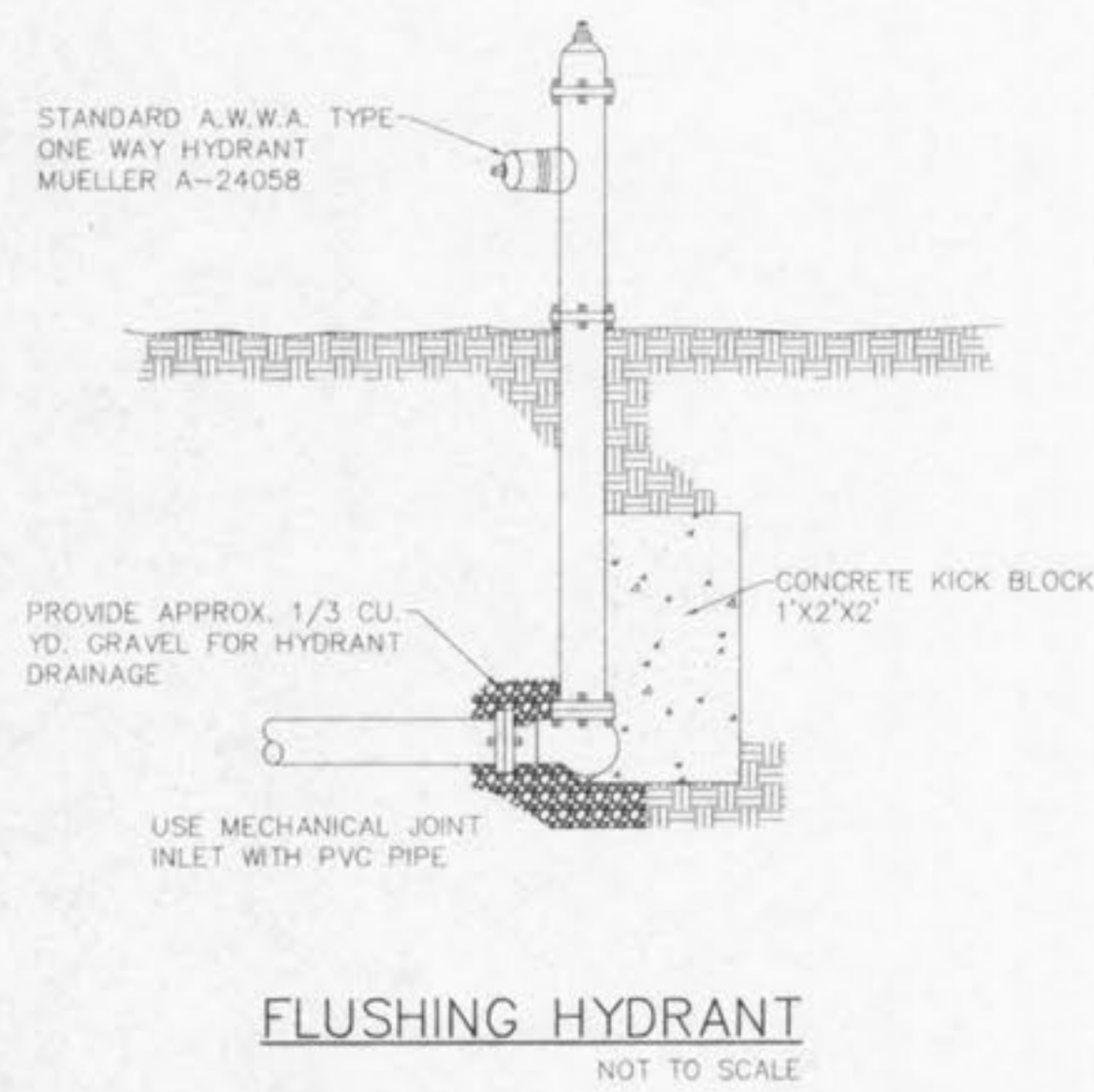


TYPICAL WATER MAIN AND FIRE HYDRANT LOCATIONS
 NOT TO SCALE



| MAIN SIZE (I.D.) | MIN. THRUST BLOCK BEARING DIMENSIONS TO BEAR AGAINST UNDISTURBED EARTH | | | | |
|------------------|--|--------------|-----------|-----------|-----------|
| | 45° BEND | 22 1/2° BEND | TEE | VALVE | CROSS |
| 2" | 5' x 1' | 5' x 1' | 5' x 1' | 5' x 1' | 5' x 1' |
| 4" | 1' x 1' | 1' x 1' | 2' x 1' | 2' x 1' | 1' x 1' |
| 6" | 1.5' x 1' | 1' x 1' | 2' x 1' | 2' x 1' | 1' x 1' |
| 8" | 2' x 1' | 1' x 1' | 2' x 2.5' | 2' x 2' | 1' x 1.5' |
| 10" | 2' x 2.5' | 1.5' x 2' | 2' x 3.5' | 2' x 3' | 2' x 2' |
| 12" | 2' x 3.5' | 1.5' x 2.5' | 3' x 3.5' | 3' x 3' | 2' x 3' |
| 16" | 3' x 4' | 2' x 3' | 4' x 4.5' | 3' x 4.5' | 3' x 3.5' |