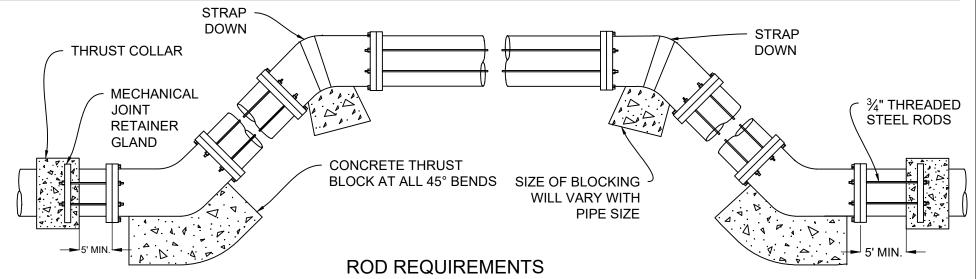
## **TOP OF GROUND**



| SIZE OF 45 BEND | STATIC THRUST IN POUNDS | NO. OF RODS REQUIRED |
|-----------------|-------------------------|----------------------|
| 6"              | 4,328                   | 2                    |
| 8"              | 7,694                   | 4                    |
| 10"             | 12,503                  | 4                    |
| 12"             | 17,312                  | 4                    |
| 14"             | 24,046                  | 6                    |
| 16"             | 30,779                  | 8                    |
| 18"             | 50,016                  | 8                    |
| 24"             | 69,252                  | 8                    |

## NOTES:

- 1. STEEL RODS AND BOLTS SHALL BE 3/4" HOT DIPPED GALVANIZED.
- 2. CONCRETE SHALL NOT CONTACT BOLTS OR ENDS OF MECHANICAL JOINT BENDS.
- RESTRAINED MECHANICAL GLANDS TO BE USED AT ALL FITTINGS.
- 4. MUST USE DUCTILE IRON EYE BOLTS WHERE NECESSARY.
- 5. 3' MINIMUM COVER MUST BE MAINTAINED ON ALL MAINS.
- 6. ADD MECHANICAL JOINT RETAINER GLANDS THROUGHOUT ASSEMBLY.

| TOWN OF APEX |
|--------------|
| STANDARDS    |

**VERTICAL BEND** 

STD. NO.

450.08

SHEET 1 OF 1

EFFECTIVE: MARCH 23, 2021