

**RESTRAINED LENGTH FOR TEES (Cont'd)**

| PIPE SIZE (inch) | BRANCH SIZE (inch) | LENGTH OF RUN (ft.) | RESTRAINED LENGTH IN FEET, WHEN TEST PRESSURE = 200 psi | RESTRAINED LENGTH IN FEET, WHEN TEST PRESSURE = 150 psi |
|------------------|--------------------|---------------------|---|---|
| 12               | 4                  | 0                   | 42  | 31  |
| 12               | 4                  | 5                   | 1   | 1   |
| 12               | 6                  | 0                   | 59  | 44  |
| 12               | 6                  | 5                   | 13  | 1   |
| 12               | 6                  | 10                  | 1   | 1   |
| 12               | 8                  | 0                   | 77  | 58  |
| 12               | 8                  | 5                   | 42  | 23  |
| 12               | 8                  | 10                  | 7   | 1   |
| 12               | 8                  | 15                  | 1   | 1   |
| 12               | 12                 | 0                   | 109   | 82  |
| 12               | 12                 | 5                   | 86  | 59  |
| 12               | 12                 | 10                  | 63  | 35  |
| 12               | 12                 | 15                  | 39  | 12  |

**RESTRAINED LENGTH DESIGN**

Restrained length calculations are for P.V.C pipe bedded in compacted granular material extending to the top of the pipe. The native soil material is assumed to be inorganic clay of high plasticity. Depth of bury is assumed to be 4 feet.

**Note:**

These calculations are provided for reference. The restrained length shall be designed based upon the conditions encountered during the installation.