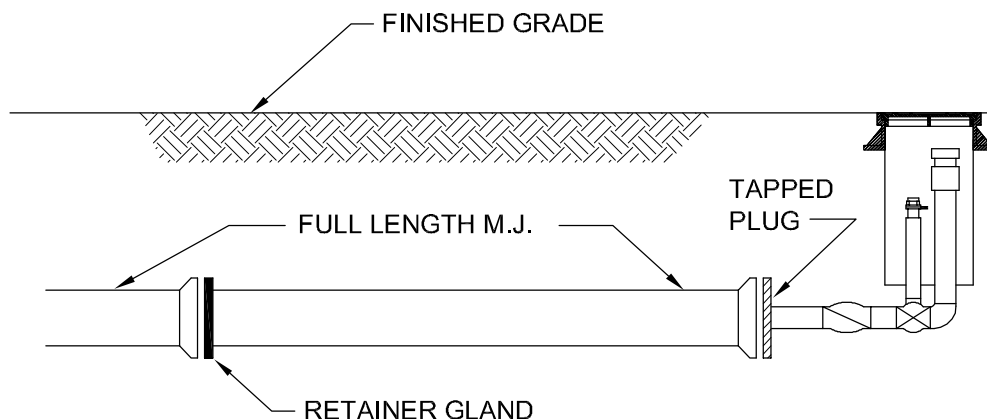


\* RESTRAINT LENGTHS BASED ON DUCTILE IRON PIPE ONLY.  
WHEN PVC PIPE IS USED, RESTRAINT LENGTHS MUST BE RECALCULATED.



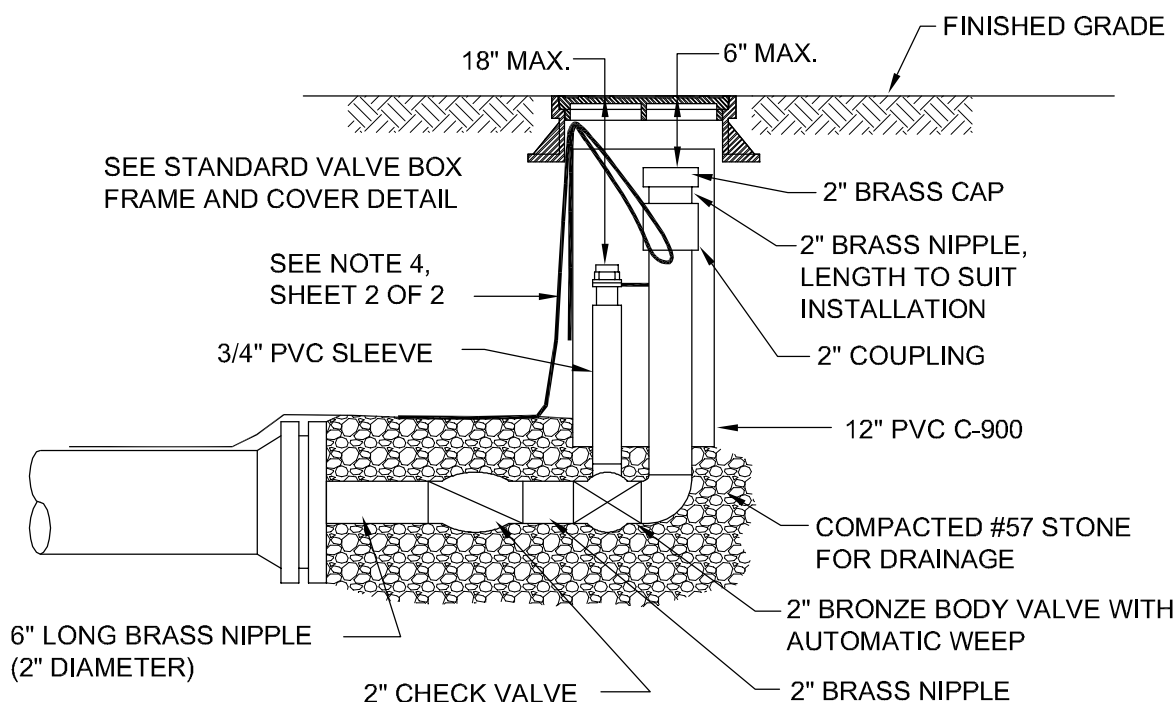
**RESTRAINT LENGTHS:**

PIPE DIAMETER	LENGTH OF PIPE
4 INCHES	36 FEET
8 INCHES	36 FEET
10-12 INCHES	54 FEET
16 INCHES	72 FEET

**RESTRAINT NOTES:**

1. SPECIAL DESIGN REQUIRED FOR MAINS GREATER THAN 48" IN DEPTH OR IN SOILS WITH SHEAR STRENGTH LESS THAN 30 LBS/FT.
2. IF THE RESTRAINED JOINTS ARE LESS THAN THE LENGTHS SHOWN, THEN A SPECIAL RESTRAINT DESIGN MUST BE SUBMITTED FOR APPROVAL.

**TYPICAL RESTRAINT**



**BLOW-OFF ASSEMBLY**

SEE WD\_05, SHEET 2 OF 2 FOR BLOW-OFF ASSEMBLY NOTES.

**BLOW-OFF ASSEMBLY**

NOT TO SCALE