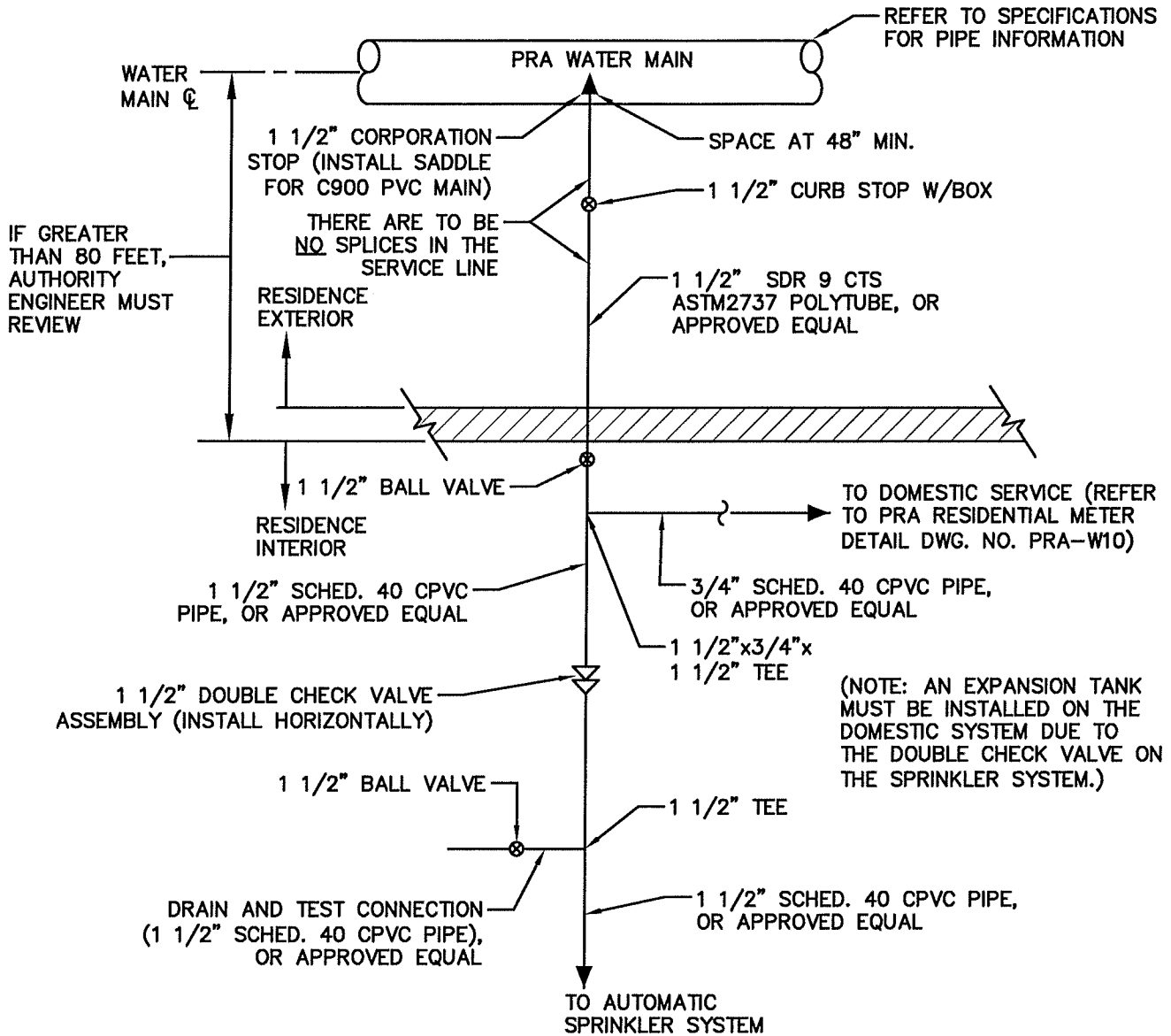


NOTE: IF THE PRA AVAILABLE SERVICE PRESSURE IS LESS THAN 45 PSI, AUTHORITY ENGINEER MUST REVIEW.



**NOTES:**

1. REFER TO THE PRA RESIDENTIAL SERVICE/SPRINKLER LINE DETAIL DWG. NO. PRA-W14.
2. REFER TO THE PRA RESIDENTIAL METER DETAIL DWG. NO. PRA-W10.
3. BALL VALVE: 1 1/2" WATTS LFF BV-3C; OR APPROVED EQUAL, THREADED BOTH ENDS. FOR POLYTUBE CONNECTIONS, INSTALL 1 1/2" FORD QUICK JOINT COUPLING WITH INSERT-54-Q SOLID TUBULAR 304SS INSERT STIFFENER, OR APPROVED EQUAL. FOR CPVC PIPE CONNECTIONS, INSTALL CPVC BY MALE ADAPTERS.
4. DOUBLE CHECK VALVE ASSEMBLY: 1 1/2" WATTS LFU007M2QT, OR APPROVED EQUAL, WITH UNIONS, TWO RESILIENT SEATED ISOLATION VALVES, AND FOUR TOP MOUNTED RESILIENT SEATED TEST COCKS. INSTALL ASSEMBLY HORIZONTALLY. FOR CPVC PIPE CONNECTIONS, INSTALL CPVC BY MALE ADAPTERS.
5. SINGLE SPRINKLER OPERATION DESIGN FIRE SPRINKLER NOZZLES MUST HAVE A MINIMUM K FACTOR OF 7.4 (107) AND MUST PROVIDE A MINIMUM FLOW OF 24 GPM AT A MAXIMUM HEAD OF 10.5 PSI.
6. DUAL SPRINKLER OPERATION DESIGN FIRE SPRINKLER NOZZLES MUST HAVE A MINIMUM K FACTOR OF 4.9 (71) AND MUST PROVIDE A MINIMUM FLOW OF 13 GPM EACH AT A MAXIMUM HEAD OF 7.0 PSI. (TOTAL MIN. FLOW FOR DUAL SPRINKLERS = 26 GPM)
7. METHODS AND MATERIALS ARE TO BE PER THE MUNICIPALITY PLUMBING CODE AND PRA REQUIREMENTS

**1 1/2" RESIDENTIAL SERVICE/SPRINKLER LINE CONNECTION**

NOT TO SCALE

REVISED 7/21/15

RESIDENTIAL SERVICE/SPRINKLER LINE  
 PREPARED FOR:  
 PERKASIE REGIONAL AUTHORITY

**ANDERSEN**  
**AEA** ENGINEERING  
 ASSOCIATES  
 INCORPORATED  
 150 RIDGE ROAD, SUITE 2, SELLERSVILLE, PA 18960  
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DSN BY:	P.C.A.
CHK BY:	P.C.A.
DATE:	5/11/15
DWG NO.	PRA-W13