

**SOLANO IRRIGATION DISTRICT  
STANDARD GRAVITY IRRIGATION WATER SYSTEM NOTES**

1. ALL MATERIALS AND INSTALLATION OF THE IRRIGATION WATER SYSTEM SHALL BE IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF SOLANO IRRIGATION DISTRICT'S LATEST REVISION.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND VERIFYING ALL EXISTING UTILITIES.
3. CONTRACTOR SHALL NOTIFY SOLANO IRRIGATION DISTRICT AT (707) 448-6847, FORTY-EIGHT (48) HOURS PRIOR TO BEGINNING CONSTRUCTION AND FOR INSPECTION OF THE IRRIGATION WATER SYSTEM.
4. IRRIGATION WATER MAINS, LATERALS AND SERVICES SHALL BE:
  - 4" - 12" PIPES - IRON PIPE SIZE (IPS) RUBBER GASKETED PVC, CLASS 160 (SDR 26)
  - 15" - 24" PIPES - PRESSURIZED IRRIGATION PIPE (PIP) RUBBER GASKETED PVC, CLASS 125 (SDR 32.5)
  - 30" - 48" PIPE - AWWA C-905, CLASS 125 (DR 32.5)
  - 54" & LARGER - RUBBER GASKETED REINFORCED CONCRETE PIPE (RGRCP)

NOTE: FUSION WELDED HIGH DENSITY POLYETHYLENE (HDPE) MAY BE AN ACCEPTABLE ALTERNATIVE WITH THE WRITTEN APPROVAL FROM THE DISTRICT ENGINEER.

5. THE CONTRACTOR GUARANTEES THE RUBBER GASKETED PVC PIPELINES AND APPURTENANCES AGAINST DEFECTIVE WORKMANSHIP, MATERIALS AND LEAKAGE FOR A PERIOD OF ONE (1) YEAR AFTER THE PIPELINE IS ACCEPTED. THE CONTRACTOR AGREES TO REPAIR ALL LEAKS AND TO MAINTAIN THE PIPELINE AND ITS APPURTENANCES IN A SATISFACTORY OPERATING CONDITION DURING THE ABOVE SPECIFIED PERIOD. UPON NOTICE BY THE DISTRICT OF NEEDED REPAIRS, THE CONTRACTOR SHALL UNDERTAKE SUCH REPAIRS, INCLUDING NECESSARY DEWATERING, WITHIN FORTY-EIGHT (48) HOURS. NEITHER THE GUARANTY NOR MAINTENANCE REQUIREMENTS SHALL APPLY TO DAMAGE CAUSED BY AN ACT OF GOD, NEGLIGENCE IN THE OPERATION OF THE SYSTEM OR ACTS OF THIRD PARTIES.
6. FIELD HYDROSTATIC TESTING SHALL BE IN ACCORDANCE TO THE DISTRICT'S STANDARD SPECIFICATIONS LATEST REVISION.
7. THE CONTRACTOR SHALL FURNISH TO THE DISTRICT, THREE (3) COPIES OF SHOP AND FABRICATION DRAWINGS WHICH ARE REQUIRED PRIOR TO THE FABRICATION AND/OR PLACEMENT OF ANY OR ALL ITEMS. THE DISTRICT WILL RETURN ONE (1) COPY OF THESE DRAWINGS TO THE CONTRACTOR MARKED "NO EXCEPTIONS TAKEN", "MAKE CORRECTIONS NOTED", "AMEND AND RESUBMIT", OR "REJECTED - RESUBMIT". THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING THE SHOP AND/OR FABRICATION DRAWINGS, AS REQUIRED BY THE DISTRICT, OR RESUBMIT AN ALTERNATE FOR APPROVAL.
8. ALL STRUCTURE COVERS ARE TO BE MARKED "SID" TO DISTINGUISH FROM OTHER UTILITIES. ALL COVER LETTERING SUBJECT TO SID APPROVAL.
9. THE DISTRICT INSPECTOR WILL LOCATE THE EXACT PLACEMENT OF BOV'S AND ARV'S.
10. ALL SECTIONALIZING AND DISTRIBUTION VALVES SHALL BE BUTTERFLY VALVES AND CONFORM TO THE APPLICABLE PROVISIONS OF AWWA C-504. ALL BUTTERFLY VALVES SHALL BE FLANGED (SHORT BODY) AND NOT OF THE WAFER TYPE WITH A PRESSURE RATING EQUIVALENT TO THAT OF THE PIPELINE. REFER TO THE DISTRICT'S STANDARDS FOR COATING REQUIREMENTS.
11. ALL WORK PERFORMED SHALL BE INSPECTED BY SOLANO IRRIGATION DISTRICT'S INSPECTOR. IF ANY WORK SHALL BE PERFORMED WITHOUT APPROVAL OR CONSENT OF THE INSPECTOR, IT MUST, IF REQUIRED BY THE INSPECTOR, BE EXPOSED FOR EXAMINATION AT THE CONTRACTOR'S EXPENSE, IRRESPECTIVE OF WHETHER THE WORK EXPOSED IS FOUND TO BE DEFECTIVE OR NOT.
12. THE INSPECTION OF THE WORK SHALL NOT RELIEVE THE CONTRACTOR OF ANY OF HIS OBLIGATIONS TO FULFILL HIS CONTRACT, DEFECTIVE WORK SHALL BE MADE GOOD AND UNSUITABLE MATERIALS MAY BE REJECTED, NOTWITHSTANDING SUCH WORK AND MATERIALS THAT HAVE BEEN PREVIOUSLY OVERLOOKED BY THE INSPECTOR.
13. THE DISTRICT INSPECTOR AND/OR DISTRICT STAFF WILL INSTALL THE DISTRICT STANDARD NON-POTABLE WATER TAGS ON ALL NON-POTABLE SERVICES, AIR RELIEF VALVES AND BLOWOFFS. THE TAGS ARE TO BE SUPPLIED BY THE DISTRICT AT THE CONTRACTOR'S EXPENSE. CURRENT PRICING OF TAGS ARE \$7.50 EACH (PRICE SUBJECT TO CHANGE WITHOUT NOTICE).



NOTE: CALL U.S.A.  
AT LEAST 48 HOURS  
PRIOR TO EXCAVATION  
1-800-642-2444

REFER TO THE  
STANDARD SPECIFICATIONS

STANDARD GRAVITY PVC PIPELINE NOTES

APPROVED BY:

*[Signature]*  
DIRECTOR OF ENGINEERING

RCE #66517

*7-18-12*  
DATE

DETAIL  
DS-4

REVISION  
3  
7-18-12