SECTION - WATER MAIN CROSSING UNDER SEWER

SECTION - WATER MAIN CROSSING OVER SEWER

NOTES:
1. WATER MAIN SHALL CROSS OVER SEWER WHENEVER POSSIBLE.
2. CROSSINGS SHALL BE MADE AS CLOSE AS POSSIBLE TO PERPENDICULAR LINE, AND AS FAR FROM SEWER PIPELINE JOINTS AS POSSIBLE. WHERE CROSSINGS ARE LESS THAN 10 FT, DISTRICT ENGINEERING SHALL BE ADVISED FOR FIELD INSTRUCTION.
3. INSIDE CORNER DIAMETER OF DUCTILE IRON SEWER PIPE TO BE THE SAME AS THE PIPE TO WHICH IT CONNECTS.
4. DUCTILE IRON SEWER PIPE IS TO BE USED FOR THIS DETAIL WHENEVER THE DIAMETER OF SEWER SEWER CROSSES OVER A WATER LINE.
5. CROSSINGS REQUIRING MORE THAN ONE JOINT LENGTH OF DUCTILE IRON SEWER PIPE SHALL HAVE THE JOINTS ENCAISED IN 4" OF CONCRETE THAT EXCEEDS 8" IN EACH DIRECTION FROM THE JOINT.
6. UNLESS OTHERWISE INSTRUCTED BY DISTRICT, ALL WATERLINE JACKET REQUIRED TO CROSS UNDER SEWER SHALL BE CLASS 300 LF CM, AND HIT COATED.
7. ONE FULL LENGTH OF WATER PIPE SHAL BE LOCATED SO BOTH JOINTS WILL BE AS FAR FROM THE SEWER AS POSSIBLE. NO JOINTS, FITTINGS OR CONNECTIONS ALLOWED IN AREA "B”.
8. AT CONTRACTORS OPTION THE WATER MAIN TRENCH CAN BE DIGGED ON A SLOPE TO INSTALL UPRIGHT MAIN INSTEAD OF USING FITTINGS. JOINT DEFLECTION SHALL NOT EXCEED 3%.
9. ALL FITTINGS SHALL BE FULLY MECHANICALLY REINFORCED USING DISTRICT APPROVED METHODS.
10. DUCTILE IRON PIPE SHALL BE WRAPPED WITH 6 MOL LINING SHEETS. 6 LF EACH REQUIRED.
11. ALTERNATIVES PER STATE OF CALIFORNIA ENVIRONMENTAL HEATH REGULATIONS MAY BE ALLOWED WITH DISTRICT APPROVAL.

TYPICAL CROSSING DETAIL
WATER LINE UNDER SEWER

WATER AND SEWER LINE SEPARATIONS
SAN JUAN WATER DISTRICT

MINIMUM SEPARATION REQUIREMENTS
(CONTACT DISTRICT WHEN MIN. SEPARATION CANNOT BE ACHIEVED

APPROVED

NO DATE

EQUIPMENT

SCALE: 1" = 10 FT

= 07/13/07

SHT 17 OF 27

SAN JUAN WATER DISTRICT

MINIMUM SEPARATION REQUIREMENTS
(CONTACT DISTRICT WHEN MIN. SEPARATION CANNOT BE ACHIEVED

APPROVED

NO DATE

EQUIPMENT

SCALE: 1" = 10 FT

= 07/13/07

SHT 17 OF 27

SAN JUAN WATER DISTRICT