

**NOTES:****TYPICAL TRENCH SECTION****1. TRENCHES**

TRENCHES SHALL BE BRACED OR SHEETED AS NECESSARY FOR THE SAFETY OF THE WORKMEN AND FOR THE PROTECTION OF EXISTING UTILITIES IN ACCORDANCE WITH APPLICABLE LOCAL, STATE AND FEDERAL SAFETY REGULATIONS.

PVC PIPE TRENCH WIDTHS SHALL BE IN ACCORDANCE WITH THE UNI-BELL HANDBOOK OF PVC PIPE, LATEST EDITION. DUCTILE IRON PIPE TRENCH WIDTHS AT THE TOP OF PIPE SHALL BE IN ACCORDANCE WITH AWWA C-600 LATEST EDITION.

SHOULD TRENCHES BE EXCAVATED WIDER THAN ALLOWED, THE DISTRICT MAY REQUIRE THAT A CONCRETE CRADLE BE PLACED AROUND THE PIPE IN CONFORMANCE WITH THE SPECIAL BEDDING DETAIL.

2. BEDDING

CONTRACTORS SHALL SUBMIT BEDDING GRADATION TEST RESULTS TO THE DISTRICT FOR REVIEW, PRIOR TO DELIVERING ANY MATERIAL TO THE PROJECT SITE. SEE REFERENCED SPECIFICATION 4.12.5 FOR BEDDING GRADATION REQUIREMENTS.

BEDDING LIMITS SHALL EXTEND FROM SIX INCHES UNDER THE PIPE TO TWELVE INCHES ABOVE THE PIPE. THE LIMITS OF BEDDING DEFINE THE "PIPE ZONE".

IN AREAS WHERE COVER OVER THE TOP OF PIPE IS 16 FEET OR LESS, STANDARD CLASS A BEDDING MATERIAL SHALL BE USED FOR PIPE BEDDING. WHERE COVER OVER THE TOP OF PIPE IS BETWEEN 16 FEET AND 22 FEET, CLASS B BEDDING MATERIAL SHALL BE USED AS PIPE BEDDING. WHERE COVER EXCEEDS 22 FEET, THE DISTRICT SHALL REVIEW THE INSTALLATION AND RECOMMEND BEDDING MATERIAL AND PIPE CLASS.

3. COMPACTION

PIPE ZONE (BEDDING) COMPACTION SHALL BE 90% STANDARD PROCTOR DENSITY OR EQUIVALENT RELATIVE DENSITY.

TRENCH ZONE COMPACTION SHALL BE; 95% STANDARD OR MODIFIED PROCTOR DENSITY OR EQUIVALENT RELATIVE DENSITY INSIDE STREET RIGHTS-OF-WAY; AND 90% STANDARD OR MODIFIED PROCTOR DENSITY OR EQUIVALENT RELATIVE DENSITY OUTSIDE STREET RIGHTS-OF-WAY UNLESS SPECIFIED OTHERWISE.

STANDARD BEDDING
FOR SANITARY
SEWER LINES

SOUTHGATE
Water & Sanitation Districts