LOAD FACTORS: 2.2 NATIVE BACKFILL MATERIAL LIGHTLY TAMPERED
2.8 ASTM D448=67 CRUSHED STONE
3.4 REINFORCED CONCRETE, P=0.4%

FIG. 1 CLASS A-I

LOAD FACTORS: 2.8 PLAIN CONCRETE
3.4 REINFORCED CONCRETE, P=0.4%

FIG. 2 CLASS A-II

LOAD FACTORS: 2.7

FIG. 3 CLASS A-III

LOAD FACTORS 3.2

FIG. 4 CLASS A-IV

LOAD FACTOR: 2.2, 2.7, 2.8, 3.4 & 4.5
CLASS A: CONCRETE CRADLE, ARCH & ENCASEMENT
BEDDING: 560 C 3000 CONCRETE

AFTER INITIAL SET OF THE CONCRETE, BACKFILL MATERIAL SHOULD BE PLACED TO ONE FOOT OVER THE CONDUIT. THE BACKFILL ABOVE THIS POINT SHOULD NOT BE PLACED NOR SHEETING REMOVED UNTIL AT LEAST 48 HOURS AFTER PLACEMENT OF THE BEDDING OR ENCASEMENT. SUCH BACKFILL MAY BE PLACED AND SHEETING PULLED AFTER 24 HOURS IF THE EARLY STRENGTH OF THE CONCRETE IS INCREASED IN ACCORDANCE WITH THE ENGINEER’S APPROVAL.
PIPE ZONE

LOAD FACTOR: 1.9
CLASS B FIGURE 6:
PIPE IS BEDDED IN ANGULAR BEDDING MATERIAL, CONFORMING TO ASTM D448 "STANDARD SPECIFICATION FOR COARSE AGGREGATE" SIZE #67 OR OTHER SUITABLE MATERIALS AND METHODS, AS APPROVED BY THE ENGINEER.

FIG. 6 CLASS B

LOAD FACTOR: 1.5
CLASS C FIGURE 7 OR 8:
PIPE IS BEDDED IN GRANULAR MATERIAL PLACED ON A FLAT TRENCH BOTTOM OR ON A SUITABLE UNDISTURBED NATIVE MATERIAL WHICH HAS BEEN HAND SHAPED TO FIT THE PIPE BARREL FOR A WIDTH OF ONE—HALF THE OUTSIDE DIAMETER OF THE PIPE. BEDDING MATERIAL MAY BE CRUSHED STONE, ROUNDED GRAVEL, SHELLS, PEA GRAVEL, SAND OR OTHER LOCALLY AVAILABLE AND COMMONLY USED NON—COHESIVE MATERIALS.

FIG. 7 CLASS C

LOAD FACTOR: 1.5
FIG. 8 CLASS C

NOTES:
1. ALWAYS PROVIDE UNIFORM AND CONTINUOUS SUPPORT OF PIPE BARREL FOR ALL CLASSES OF BEDDING.
2. BEDDING MATERIALS SHALL MEET SSPWC (GREEN BOOK) SPECIFICATIONS.
3. LOAD FACTOR 1.1 CLASS D IS NOT ALLOWED.