FIRST SAFETY STEP = 18" MAX. DISTANCE BELOW THE COVER PER STANDARD DETAIL S-13
MANHOLE MUST HAVE A MINIMUM OF ONE PRECAST CONCRETE ADJUSTING RING.
PRECAST CONCENTRIC CONE
CAST CHANNEL WITH 3000 P.S.I. CONCRETE. WIDTH AND DEPTH OF CHANNEL MUST EQUAL THE LARGEST PIPE DIAMETER WITH A SLOPE OF 2% MIN. CHANNEL WALLS MUST BE VERTICAL.
CAST IN PLACE CHANNEL AND SHELF. SLOPE SHELF SURFACE TO CHANNEL AT APPROX. 1 INCH PER FOOT.

COMPACTED FOUNDATION

NOTES:
1. MANHOLE SHALL CONFORM TO THE GENERAL NOTES AND ALL APPLICABLE REQUIREMENTS OF STANDARD DETAIL S-1.
2. MANHOLES UNDER 5' IN DEPTH FROM RIM TO INVERT SHALL BE CONSTRUCTED WITH A CONCENTRIC CONE.
   MANHOLES OVER 5' SHALL BE CONSTRUCTED WITH AN ECCENTRIC CONE AND CONFORM TO STANDARD DETAIL S-1.
3. PIPE CONNECTION TO MANHOLE: KOR-N-SEAL OR EQUAL FOR CORE-DRILLED SECTIONS, OR SAND COLLAR FOR SECTIONS WITH KNOCKOUTS.
4. GROUT ALL JOINTS INSIDE, OUTSIDE AND IN BETWEEN TO ACHIEVE WATERTIGHT CONSTRUCTION. FINISH SMOOTH THE INSIDE OF STRUCTURE. USE NON-SHRINK GROUT ONLY.