**GENERAL NOTES:**
1. INSTALLATION FOR APPROVED CARRIER PIPE, 16" DIAMETER AND SMALLER.
2. CASING SHALL BE INSTALLED USING EITHER JACKING, BORING OR TUNNELING METHODS FROM THE END WHICH CREATES A MINIMUM OF ACCESS AND RELOCATION PROBLEMS.
3. PRECAUTIONARY OUTLET (6") WITH BONNET BOX AND COVER SHALL BE USED WHEN REQUIRED BY OTHER GOVERNING AGENCIES.
   NOTE: PRECAUTIONARY OUTLET MAY ONLY BE USED WHEN ANNUAL SPACE IS FILLED WITH SAND.

**CONSTRUCTION KEY NOTES:**
A. STEEL CASING (MINIMUM YIELD STRENGTH 36000 PSI) OR REINFORCED CONCRETE PIPE ASTM C-76, SIZE AND LENGTH OF CASING PIPE AS SPECIFIED.
B. TWO SKIDS MADE OF HARDWOOD OR OTHER SUITABLE MATERIAL BANDED TO EACH JOINT OF PIPE.
C. LENGTH OF SKID SHALL BE EQUAL TO 2/3 OF THE LENGTH OF STRAIGHT PIPE.
D. SKIDS SHALL BE OF SUFFICIENT DIMENSION TO ALLOW BELL OF PIPE TO CLEAR CASING PIPE BY AT LEAST 1/2".
E. STEEL BAND SHALL BE USED TO SECURE SKIDS TO CARRIER PIPE. A MINIMUM OF 3 BANDS PER JOINT IS REQUIRED.
F. END SHALL BE SEALED WITH BRICK AND MORTAR, BULKHEAD AND GROUT, OR WITH SYNTHETIC RUBBER SEAL, AS SPECIFIED.
G. ANNULAR SPACE SHALL BE FILLED WITH APPROVED GROUT OR SAND.
   NOTE: GROUT SHALL NOT BE CONSIDERED AS A STRUCTURAL ELEMENT OF THE CASING/CARRIER PIPE SYSTEM.
H. BONNET BOX AND COVER (SEE DETAILS 268 & 269-2) SET FRAME AND COVER FLUSH WITH ROADWAY SURFACE OR FINISHED GRADE (SEE DETAIL 260).