NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETRES.
2. NOMINAL CHAIN LENGTH IS TO BE APPROXIMATELY 1,200mm.
   ACTUAL CHAIN LENGTH IS TO BE ADJUSTED ON SITE TO ALLOW
   THE COVER TO BE LIFTED AND MOVED SIDEWAYS TO ALLOW
   CLEAR ACCESS TO THE MANHOLE AND NOT TO SAG LOWER THAN
   THE CROWN LEVEL OF PIPES TO AVOID RUBBISH TRAPPING AND
   CHOKAGE.
3. DETAILS SHOWN IS FOR SDS STANDARD MANHOLE TYPE C AND
   STANDARD DOUBLE-TRIANGULAR MANHOLE COVERS. DETAILS MAY
   BE ADAPTED FOR DIFFERENT TYPES OF MANHOLES AND COVERS.
4. CHAIN TO BE GRADE 80 ALLOY STEEL CHAIN.
5. ANCHOR CHAIN AND FIXING TO BE LIBERALLY COATED
   WITH GREASE AFTER INSTALLATION AND AT EACH
   SUBSEQUENT OPENING TO REDUCE THE RATE OF
   CORROSION.

NOTES FOR STEELWORK:
1. THE WORKS SHALL COMPLY WITH THE LATEST EDITION OF GENERAL
   SPECIFICATION FOR CIVIL ENGINEERING WORKS, UNLESS SPECIFIED
   OTHERWISE.
2. ALL STEELWORK SHALL BE GRADE 4.3 TO BS 4360 : 1990 UNLESS
   OTHERWISE STATED.
4. WIRE WOOL AND WIRE BRUSHES SHOULD BE USED TO CLEAN
   SURFACES BOTH BEFORE AND AFTER WELDING. ALL EXPOSED BUTT
   JOINTS SHALL BE GROUND SMOOTH AND BUFFED. THE DIRECTION OF
   GRINDING SHALL FOLLOW THE GRAIN PATTERN.
5. AFTER FABRICATION, ALL STEELWORK (EXCEPT STAINLESS
   STEEL) IS TO BE HOT-DIP GALVANIZED IN ACCORDANCE WITH
   BS EN ISO 1461 TO THE APPROPRIATE COATING WEIGHT.
   SURFACES SHALL BE PROPERLY PREPARED BY REMOVING
   ALL RUST, OIL, PAINT AND OTHER SURFACE CONTAMINANTS.
   MILL SCALE AND WELDING SLAG SHALL BE REMOVED BY GRIT
   BLASTING. CUT FACES AND OUTSIDE ARMS SHALL BE
   GROUND SMOOTH. THE SIZE AND POSITION OF ANY VENT
   HOLES REQUIRED BY THE GALVANIZER, TOGETHER WITH HIS
   PROPOSED METHOD OF RE-SEALING, SHALL BE NOTIFIED TO
   THE ENGINEER FOR HIS APPROVAL.
6. FASTENERS FOR STEELWORK SHALL BE ISO MTRIC HEXAGONAL
   BOLTS, STUDS AND NUTS TO BS 4190 AS APPROPRIATE WITH
   COMPATIBLE WASHERS. EACH FASTENER SHALL BE COMPLETE
   WITH EITHER A LOCKING NUT OR SPRING WASHER.
7. THE DIAMETER OF A BOLT HOLE SHALL BE 2MM LARGER THAN
   THE NOMINAL DIAMETER OF THE BOLT, UNLESS INDICATED
   OTHERWISE.
9. SLEEVE FOR BOLTS SHALL BE UPVC WITH A NOMINAL WALL
   THICKNESS NOT EXCEEDING 2mm.
CHAIN ANCHOR  
(ON MANHOLE WALL)

ALTERNATIVE FLAT-SIDED CHAIN ANCHOR  
FOR THE PRESENCE OF IDENTIFICATION PLATE  
IN SHALLOW MANHOLES