CONCRETE COLLAR PLAN

MANHOLE FRAME WITH CONC. COLLAR RINGS
(SEE NOTE NO. 6)

FRAME PLAN

COVER PLAN - BOTTOM HALF VIEW

PLASTIC MANHOLE FRAME SUPPORT
(SEE NOTE NO. 71)

NOTES

1. THE MINIMUM WEIGHT OF THE FRAMES SHALL BE 150LBS.
   AND THE MINIMUM WEIGHT OF COVERS SHALL BE 110LBS.
   THESE FRAMES AND COVERS ARE TO BE USED IN ALL TRAFFIC
   AND NON-TRAFFIC AREAS.

2. FRAMES AND COVERS SHALL CONFORM TO AASHTO M
   306-05 AND SHALL BE MADE OF CLASS 35B GRAY IRON.

3. THE LAYOUT AND DIMENSIONS OF THE WELLS ARE TYPICAL
   MINIMUMS PROPRIETARY MANHOLE COVERS WITHOUT WELLS
   ARE ACCEPTABLE PROVIDED THEY MEET MINIMUMS 306-05
   AND MINIMUM WEIGHT REQUIREMENTS. ALL COVER DESIGNS
   SHALL BE PROVIDED WITH AN ANTI-SHIFT SKIRT THAT
   EXTENDS A MINIMUM OF 1" BELOW THE COVER SEAT.

4. THE SURFACE SHOWN IS FOR ILLUSTRATION ONLY. ANY
   SURFACE DESIGN OTHER THAN SMOOTH, MAY BE USED UPON
   APPROVAL.

5. A CAST-IN-PLACE CONCRETE COLLAR SHALL BE PLACED
   AROUND THE MANHOLE FRAME UNLESS OTHERWISE DIRECTED.
   THE CONCRETE COLLAR SHALL MEET THE REQUIREMENTS OF
   SECTION 609 - MINOR STRUCTURES, OF THE CURRENT ITD
   STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.

6. THE CONCRETE COLLAR SHALL BE PLACED TO THE TOP OF
   THE MANHOLE/STRUCTURE OR HAVE A MINIMUM THICKNESS OF
   3" WTHE CONCRETE COLLAR IS PLACED ON TOP OF A
   MANHOLE/STRUCTURE THE THICKNESS SHALL NOT BE LESS
   THAN THE "F DIMENSION" OF THE FRAME. THE VERTICAL
   METAL REINFORCEMENT LENGTHS MAY BE ADJUSTED WHEN
   THE COLLAR IS PLACED ON TOP OF A STRUCTURE/MANHOLE.

7. USE OF A PLASTIC MANHOLE FRAME SUPPORT, I.E.
   WHIRLY-GIG OR COMPARABLE DEVICE, IS AN ACCEPTABLE
   CONSTRUCTION OPTION.

8. NOT TO SCALE.

STANDARD MANHOLE FRAME
BASIC DIMENSIONS

| A   |   24"   |
| B   |   21"   |
| C   |   30"   |
| D   |   36"   |
| E   |   48"   |

STANDARD MANHOLE COVER
BASIC DIMENSIONS

| A'  |   23½"  |
| B'  |   12"   |
| C'  |   5½"   |

MANHOLE FRAME, COVER & CONCRETE COLLAR

BOISE, IDAHO