This Standard Plan was developed for use on public works projects in the City and County of San Francisco, and shall not be used without consulting a Registered Professional Engineer. The Department of Public Works reserves the right to make revisions to this Standard Plan at any time.

NOTES
1. MANHOLE FRAME AND ALL JOINTS SHALL BE SET IN CLASS "C" Mortar.
2. ALL PRECAST COMPONENTS SHALL BE MANUFACTURED IN ACCORDANCE WITH ADW C-478.
3. VERTICAL WALL OF CONCENTRIC CONE SHALL BE ON UPSTREAM SIDE OF MANHOLE.
   UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
5. CULVERT OPENINGS SHALL BE A MINIMUM OF 8" FROM PRECAST SECTION JOINTS.
6. CONTRACTOR SHALL MANNUAL NUMBER OF SECTION RINGS BY UTILIZING LARGEST
   SECTIONS AVAILABLE.
7. STEEL REINFORCEMENT IN CONCRETE FOUNDATION IS NOT REQUIRED IF MANHOLE IS NOT
   PILE SUPPORTED.
8. SIDE SEWER CONNECTIONS TO THE MANHOLE SHALL NOT BE HIGHER THAN 1/2" ABOVE
   THE TOP OF THE MANHOLE.
9. CULVERT CONNECTIONS SHALL BE FLUSH WITH INSIDE FACE OF THE MANHOLE WALL.
10. MANHOLE DEPTH SHALL NOT EXCEED 17".

REINFORCED CONCRETE FOUNDATION
FOR MANHOLE ON PILES

TOP REINFORCING STEEL

BOTTOM REINFORCING STEEL

SECTION A-A