



- GENERAL NOTES**
1. ALL REINFORCING STEEL SHALL BE PLACED AT LEAST 2" FROM FACE OF CONCRETE, EXCEPT WHERE OTHERWISE SHOWN.
 2. PROVIDE CONTINUOUS BENDS AT ALL CORNERS AND LAP BARS AS SHOWN.
 3. MANHOLE FRAME AND ALL JOINTS SHALL BE SET IN A FLEXIBLE GASKET-JOINT SEALANT (RUB'R-NEK).
 4. ALL PRECAST COMPONENTS SHALL BE MANUFACTURED IN ACCORDANCE WITH ASTM C-478.
 5. CAST-IN-PLACE CONCRETE FOUNDATION SHALL BE CLASS 6-4000-3/4.
 6. CULVERT OPENING SHALL BE A MINIMUM OF 8" FROM PRECAST SECTION JOINTS.
 7. CONTRACTOR SHALL MINIMIZE THE NUMBER OF SECTION RINGS BY UTILIZING LARGEST SECTIONS AVAILABLE.
 8. USE STEEL WALL ANCHOR RING CONNECTION PER CONTRACT DOCUMENTS FOR PIPE 42" AND GREATER.
 9. HEIGHT OF CAST-IN-PLACE PORTION OF MANHOLE SHALL BE INCREASED, AS NECESSARY, TO ACCOMMODATED EGG-SHAPED AND OTHER MONOLITHIC SEWERS.
- 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.

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION				

REFERENCE INFORMATION & FILE NO. OF SURVEYS



BUREAU OF ENGINEERING
DEPARTMENT OF PUBLIC WORKS
CITY AND COUNTY OF SAN FRANCISCO

REVIEWED: DATE: 12/2006
 DRAWN: DATE: 07/2003
 CHECKED: DATE: 12/2006

PLANS APPROVAL DATE: APRIL 30, 2007
 SECTION MANAGER
 DEPUTY BUREAU MANAGER
 BUREAU MANAGER

STANDARD PLAN
HYDRAULICS
STANDARD CONCRETE MANHOLE
FOR PIPE SEWERS
27" TO 48" DIAMETER

OLD FILE NO. 48,057 CH 3
 FILE NO. 87,182
 REV. NO.

Drawing Path: V:\0966\Standard Plans & Specs Update\2-Plans\Title_Block\BOE STD Title Block.dwg
 Plot Time: Fri, 27 Apr 2007 - 7:19pm
 Dimension Scale: 40
 Model Units: Feet
 Login: carantos
 Xrefs: V:\0966\Standard Plans & Specs Update\2-Plans\Title_Block\BOE STD Title Block.dwg