TAMPER PROOF MANHOLE RING 3-BOLT DOWN COVER SEE BOLT-DOWN DETAIL 0 В -24 3/4 7/8" 5/8" **SECTION B-B** -30 3/4"-SEE BOLT-**SECTION A-A** DOWN **DETAIL** 1 1/4" O.D. A-304 STAINLESS STEEL WASHER 5/16" 7/16**"→** 3/32" THICK 1/2"-13 N.C. X 1 1/8" HEX **HEAD A-304 STAINLESS** 1 1/4" O.D. NEOPRENE STEEL CAP SCREW. 3 GASKET, 3/32" THICK REQ'D. PER COVER. (WATERTIGHT) **BOLT-DOWN** DETAIL 1/4" NEOPRENE **GASKET (WATERTIGHT)**

NOTE:

- INSTALL TAMPERPROOF FRAME & COVER FOR MANHOLES INSTALLED OUTSIDE OF PAVED STREET OR SIDEWALK AREAS
- 2. COVER AND FRAME SHALL BE OF GRAY CAST IRON A.S.T.M. A-48 CLASS 30B AND AASHTO M105, CLASS 30B, CENTER BOLT HOLE WITH MANHOLE STEPS.
- 3. ALL BOLT THREADS SHALL HAVE ANTI-SEEZE COMPOUND APPLIED PRIOR TO INSTALLATION.
- 3. ALL BOLTS AND WASHERS TO BE A-304 STAINLESS STEEL.

Tamperproof Manhole Frame and Cover			CITY OF	
DRAWING NUMBER: S-2060	DRAWN BY: SR	SCALE: N.T.S.	WILSONVILLE	
FILE NAME: S-2060.DWG	APPROVED BY: NK	DATE: 6/4/14	PUBLIC WORKS STANDARDS	