

MANHOLE TESTING

SPECIFICATION SECTION: GRAVITY SEWER AND MANHOLE TESTING 33 01 30 3.04:

A. VACUUM TEST

1. Procedures outlined in ASTM C1244 should be followed while completing the vacuum test.
2. Use acceptable equipment approved by the District. Vacuum test equipment shall be used per manufacturer's specifications.
3. A vacuum of ten inches (10") mercury shall be drawn on the manhole. (10" mercury equals 5 PSI). The drop to nine inches (9") mercury shall be measured and shall not be less than the times listed in the table below. (9" mercury equals 4.4 PSI)
4. Manholes showing leakage in excess of that allowed (times less than that indicated in the table) shall be repaired or reconstructed as necessary to reduce the leakage to that specified. All failures shall be retested after the necessary repairs have been completed.

MANHOLE TESTING REQUIREMENTS	
VACUUM TEST MEASURE TIME FROM 10" MERCURY TO 9" MERCURY	
NOTE: 1" OF MERCURY = .49 PSI	
TIME (SECONDS)	MANHOLE DIAMETER (INCHES)
60	48
75	60
90	72

DATE:
JUL 2016
SCALE:
NO SCALE
DRAWN:
MAM
FILE:
STANDARDS
SHEET:
G15

GENERAL NOTES



SOUTH TAHOE PUBLIC UTILITY DISTRICT

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