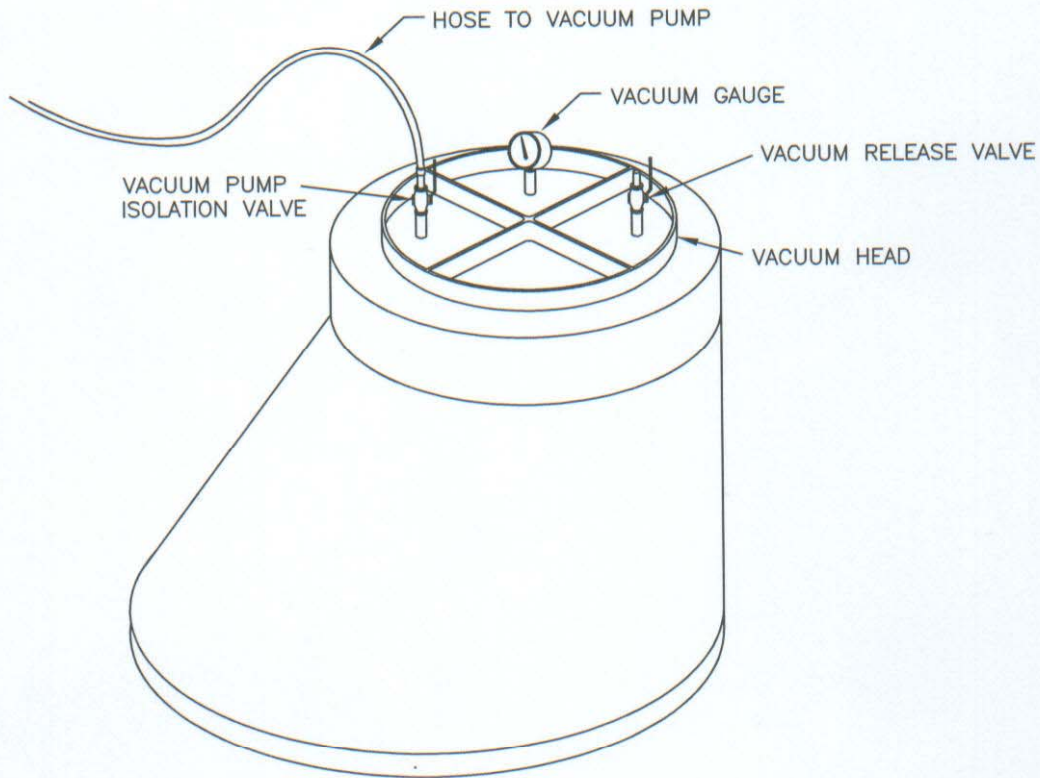




1. PLUG ALL CHANNEL INLETS AND OUTLETS IN THE MANHOLE BASE AND BRACE EACH PLUG.
2. PLACE THE VACUUM TEST HEAD ON THE TOP OF THE SURFACE OF THE MANHOLE. (CONE OR CAST IRON CASTING. USE APPROPRIATE TEST HEAD FOR APPLICATION.)
3. START THE VACUUM PUMP.
4. OPEN THE BALL VALVE INITIATING THE VACUUM IN THE MANHOLE. THE HIGH VOLUME VACUUM PUMP WILL SEAL THE TEST HEAD TO THE MANHOLE UNDER TEST.
5. WHEN THE VACUUM REACHES 10" Hg, SHUT OFF THE VACUUM BALL THUS ISOLATING THE VACUUM INSIDE THE MANHOLE. A PRESSURE RELIEF VALVE SHOULD BE PRESENT ON THE EQUIPMENT WHICH WILL ALLOW THE VACUUM PUMP TO IDLE DURING THE TEST WITHOUT CAUSING ANY DAMAGE.
6. MEASURE THE TIME WHICH THE VACUUM IN THE MANHOLE UNDER TEST FALLS TO 9" Hg.
7. RECORD THE TIME
8. RELEASE THE VACUUM IN THE MANHOLE BY OPENING THE VACUUM RELEASE VALVE ON THE TEST HEAD.
9. REFER TO SPECIFICATIONS FOR SPECIFIC TESTING CRITERIA.



	<u>APPROVED</u>	<u>REVISIONS</u>		ST. MARY'S COUNTY METROPOLITAN COMMISSION STANDARDS FOR PUBLIC WATER, SEWER AND INCIDENTAL STRUCTURES
	 C. I. FREDERICK JR., P.E. CHIEF ENGINEER	DATE	INITIALS	
	DATE: 7/1/09	6/18/09	J.E.C.	MANHOLE VACUUM TESTING
				STANDARD NO. S-21