

GENERAL REQUIREMENTS: MANHOLE ACCEPTANCE TESTING AND WARRANTY REQUIREMENTS

1) ACCEPTANCE TESTING

Acceptance testing must be performed prior to the introduction of wastewater into the District's facilities.

- a) Required tests may be conducted by the Contractor or an independent specialty Contractor.
- b) The Contractor shall furnish all labor, equipment, and any appurtenant items necessary to satisfactorily perform the required tests.
- c) All acceptance tests must be performed in the presence of the District. Tests not witnessed by the District will be considered invalid.
- d) Documentation of each round of testing, inspection, and defect correction shall be submitted to the District.
- e) Re-testing documentation following correction of defects shall be submitted to the District.

Manhole Testing

1) Manhole visual inspection

2) Manhole vacuum testing

- a) The Contractor must perform a vacuum test of each manhole prior to backfilling. The vacuum test shall be performed per ASTM C1244. The District reserves the right to require additional vacuum testing following backfill.
- b) If groundwater is present, perform an exfiltration or infiltration test in accordance with ASTM C969. If groundwater is less than 2 feet above the crown of the pipe, perform an exfiltration test. If the groundwater is greater than 2 feet above the crown of the pipe, perform an infiltration test.

3) FINAL ACCEPTANCE

- a) a) The Contractor shall obtain a letter of final acceptance from District confirming that the Work was completed to the District's standards.
- b) A letter shall be obtained from the District when the City's final walk-through of substantial completion is issued.
- c) The District's Collections Inspector shall be present at final walk-through of the project.

4) WARRANTY Period

- a) Contractor shall guarantee work for a period of one (1) year from the date of final acceptance by the District and City.

