

ITEM 14 - APPENDIX 'B'

DEFLECTION TESTING OF GRAVITY SANITARY SEWER

1.00 DESCRIPTION. All gravity sewer installed shall be deflection tested in accordance with the following requirements.

2.00 SUBMITTALS. The Contractor shall submit or sufficiently demonstrate the mandrel or other device requested to utilize in the deflection testing to the engineer for pre-approval.

3.00 MATERIALS. The Contractor shall be responsible to provide all equipment necessary to successfully provide deflection testing.

4.00 PROCEDURE. All deflection testing of gravity sewer shall be in accordance with the following requirements:

- A.** Deflection testing shall be conducted NO earlier than 30 days after installation and backfilling of the pipe has been completed or as otherwise directed by the Engineer.
- B.** The contractor shall conduct the deflection tests at the direction of the Engineer.
- C.** The allowable deflection rate shall not exceed 5%.
- D.** The Engineer has the option to require a second test anytime between initial testing and release of the maintenance bond.
- E.** Any sections found to have a deflection in excess of the specified rate shall be excavated and corrected either by re-bedding, pipe replacement or both as directed by the engineer. These corrections shall be required if warranted by either initial or secondary testing.

END OF SECTION