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TESTING (OAKDALE 1234)

PART 1 GENERAL

1.01 SUMMARY

- A. To assist the Contractor, the following summary of testing requirements is given. This list is not necessarily complete and tests specified elsewhere shall be performed as required, even though they are not listed in this section.

If not otherwise stated in the referenced specifications, paragraph or article, or not otherwise, directed signed copies of all test reports from independent testing services shall be sent at once to the Owner, Engineer and Contractor.

Test samples and locations shall be selected or approved by the Engineer. Test samples shall be delivered to the testing laboratory by the Contractor's personnel as soon as is practical. Should any of the specified tests fail to meet the requirements of the specifications, the Contractor shall take such additional tests as may be required to satisfy the Engineer that the specified test requirements have been obtained.

TEST	REFERENCE	REQUIREMENTS	FREQUENCY
Type "B" Backfill	Section 2541 Trench Excavation and Backfill – Utility Grading	95% Standard Proctor Density from pipe encasement zone to 3 feet below surface. 100% Standard Proctor Density in upper 3 feet.	1/500 feet/1 foot of fill 1/500 feet/1 foot of fill
Type "D" Backfill	Section 2451 Trench Excavation and Backfill – Utility Grading	95% Standard Proctor Density above pipe encasement zone.	1/500 feet/1 foot of fill
Chlorination and Disinfection	Section 2611 Watermain Construction and CEAM Standard Watermain Specifications	AWWA C651 and as specified.	All new pipe
Electrical Conductivity	CEAM Standard Watermain Specifications	350 Amps +/- 10% for 5 minutes	All new pipe

Pressure Test and Leakage Test	CEAM Standard Watermain Specifications	150 psi for 2 hours	All new pipe
Flushing	CEAM Standard Watermain Specifications	City will flush	All new pipe
Air Test Method	Section 2621 Sanitary Sewer and CEAM Standard Sanitary Sewer Specifications	4.0 psi	All new pipe
Deflection Test (Mandrel)	Section 2621 Sanitary Sewer	5% maximum	All new PVC pipe
Force-Main Pressure Test	Section 2621 Sanitary Sewer	100 psi for 1 hour	All new pipe
Televising	Section 2621 Sanitary Sewer Construction	DVD format DVD, verbal and written report to become property of the City	All new pipe – 36" diameter and smaller

END OF SECTION