

DANNENBAUM ENGINEERING COMPANY – AUSTIN, LLC
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February 14, 2019

Ms. Carla Glass, District Manager
Travis County W.C. & I.D. No. 10
5324 Bee Cave Road
Austin, Texas 78746

Re: *Travis County Water Control & Improvement District No. 10*

Subject: *Standards and Review Procedures*

Dear Mr. Wakefield:

The following is the Standards and Review Procedures for Travis County Water Control & Improvement District No. 10 (WCID 10), as the Board of Directors approved February 14, 2019:

This update supersedes the WCID 10 Standards and Procedures, dated November 12, 2018.

The following is a list of the standards and procedures by which this firm will review projects on behalf of Travis County Water Control and Improvement District No. 10.

1. Applicant shall submit three copies of the proposed water demand calculations, sealed by a registered Professional Engineer in the State of Texas. These calculations shall include the following:

- project location description;
- project acreage;
- proposed service plan;
- average daily demand for the entire project;
- fixture unit analysis for all proposed fixtures; and
- fire flow requirements for the entire project.

2. Applicant shall base the average daily demand calculations on the following criteria:

office space	= 0.075 GPD/gross sq. ft.
office warehouse	= 0.055 GPD/gross sq. ft.
retail	= 0.130 GPD/gross sq. ft.
restaurant	= 1.090 GPD/gross sq. ft.

Average daily demand shall not exceed 600 GPD/acre unless subject to the Capital Recovery Fee program.

3. Applicant shall perform the fixture unit analysis in accordance with the **2015 Uniform Plumbing Code**. Peak demand shall not exceed 35 GPM/acre. The fixture unit analysis shall include the number and type of all fixtures. The analysis will also include the number and type of fixtures for each restroom/bathroom.

4. Fire requirements shall be in accordance with the **2015 International Fire Code**. These requirements shall be subject to review and approval from Travis County Emergency Service District No. 9. A professional Fire Protection Engineer, registered in the State of Texas, shall seal plans for fire sprinkler systems. Fire sprinkler systems will also be subject to review and approval from Travis County Emergency Service District No. 9.
5. Record Drawings: Within sixty (60) days of acceptance, Applicant shall provide to the District three (3) sets of As-Built Plans. If the 60-day submittal period has expired and the Applicant has not submitted the Record Drawings, then the District, at its sole discretion, may remove the water meter(s) for the project.
6. Waterline Pipe Materials shall be Ductile Iron (CL-350) or PVC C-900, DR14.

Sincerely,

DANNENBAUM ENGINEERING COMPANY – AUSTIN, LLC



Thomas C. Arndt, P.E.