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Fox Metro Water Reclamation District
Commercial (new service) Pre-Review Plan Checklist
<http://www.foxmetro.dst.il.us/departments/engineering/>

Please include this checklist with submittal, showing completed items “checked off” or n/a. Be sure all applicable items have been completed. We cannot begin reviewing your plans until all applicable items have been incorporated into the design.

1. Provide the name of the sanitary excavator who will install the proposed sanitary service. A \$25,000 license & permit bond is required.
2. For meets & bounds parcels, provide a plat of survey (or a plat of re-sub. if applicable).
3. Provide an address for the proposed project.
4. Provide a detailed description of the use of this building. Tell whether or nor any non-domestic waste water will be discharged to the public sewer.
5. If <1,500 g.p.d. of wastewater flow is estimated, provide calculations to support this. If >1,500 g.p.d. (or any non-domestic wastewater-schedule “N”), provide IEPA applications. To avoid a delay, this should be done ASAP.
NOTE: Schedule FTP (fast-track permit) applications are required where applicable. In addition, WPC-PS-1 shall accompany the FTP form.
6. Provide full set of signed & sealed architecture and plumbing plans.
7. Food Service Establishments:
 - Provide Health Department comment & approval letters. This is needed before our review can commence.
 - Be sure to route ALL kitchen fixtures into the G.R.S (including any mop sink). If the necessary G.R.S. is \leq 1,000 gallons, show the dishwasher to domestic line.
 - To assess the size of the grease removal system, please contact Jaime Thompson in our Pretreatment Department at 630-301-6825.
 - Show a manhole on the exterior where the domestic and grease lines converge
 - Show a full sized cleanout (cast iron cover if in paved area) 5’ from the building on the grease line. Call out its rim & invert elevations.
 - A cleanout is not needed on the domestic line as the inspection manhole will suffice for maintenance access.

8. Make sure current notice, general notes, manhole/pipe specifications, and applicable details are on the plans. All current notes and details can be found at: <http://www.foxmetro.org/dept-engineering.htm>
9. On all building sewers, call out the length, 6" PVC SDR 26 and the slope.
10. For building sewers greater than 100', show cleanouts at 100' maximum spacing.
11. Reference the diameter and pipe type of the main to which the proposed service is connecting.
12. At the point of connection to any existing public sewer, call out that "an Inserta-Tee brand fitting shall be used as method of connection". SDR 26 fitting to 4-15' deep. Deep Bury fitting when > 15'.
13. For multi-tenant buildings, show a separate under-floor grease line to an approved exterior GRS.
14. An existing non-PVC sanitary stub/service shall not be re-used for a new building. Show this existing building sewer (or stub) to be replaced with PVC to 1' of the public sewer or lined per District specification.
15. Flows shall enter all manholes at > or = 90 degrees from the downstream pipe or greater. One or more 45 degree 6" elbows may be needed.
16. If any portion of a new private building sewer must be installed through a parcel owned by another party, a copy of an easement plat must be provided.
17. Where the plan set calls out for adherence to the standards of state and local authorities, call out that adherence to the specifications of Fox Metro Water Reclamation District are also required.
18. When designing a connection of a new 6" building sewer to an existing deeper manhole, do so showing one 6" connection only. Call out the new 6" invert reflecting matching the top elevations of the existing (< 15" dia. only) downstream pipe. Call out two 45 degree fittings with a maximum 45-degree slope between said fittings.