



1135 South Lake Street • Montgomery, Illinois 60538
Engineering Inquiries (630) 301-6882
Inspections (630) 301-6811 • FAX (630) 897-6094

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Fox Metro Water Reclamation District
Subdivision or Extension Pre-Review Plan Checklist
<http://www.foxmetro.dst.il.us/departments/engineering/>

Include this checklist with your 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. If property is not annexed to the District, submit an annexation plat and petition. See samples of these documents on our web-site.
2. If this is the first phase of a P.U.D., submit the total gross acreage and dwelling units for the whole site.
3. Submit a final subdivision plat.
4. Provide I.E.P.A. applications (WPC-PS-1 & A/B) with all original signatures by all other parties. To avoid construction delays, this should be done ASAP.
5. Provide a service area map. (Immediate area = proposed site, Ultimate area = proposed site plus upstream tributary area. Contact the city/village for assistance.
6. Where multi-family buildings are proposed, provide a list detailing the # of dwelling units per building.
7. An overall utility plan is required for all projects. This plan should be on one sheet, show all manhole and lot numbers, and be to a standard scale.
8. Only PVC sanitary mains are allowed in the District’s service area.
9. Manhole/pipe serving ultimate area needs to be of adequate invert, diameter, slope and taken to the far property edge of this unit or development. Contact the city/village for assistance.
10. The diameter of the furthest upstream public sewer proposed to serve any tributary area shall be of an adequate diameter.

11. Multi-family buildings: one water service for all dwellings (one exterior b-box) = one sanitary service for the whole building. One water service per dwelling unit (multiple exterior b-boxes) = one sanitary service per dwelling unit.
12. Show profile views for all public sewers.
13. All public sanitary mains shall be a minimum of 6' in depth.
14. Where public sewer exceeds 12' in depth, show required risers in the profile(s).
15. For all lots, show risers in the profile to max. 6'-7' deep. (for utility depth, State requirements for conflicts with water main and sanitary take precedent).
16. Eliminate drop manhole(s) where the two incoming inverts on the drop have < 3.0' vertical separation.
17. On utility plan and on applicable P&P sheets, call out that "Plugs are required to be maintained during construction. No infiltration or debris shall enter the sanitary sewer". Show these plugs at the existing & downstream side of the 1st new manhole.
18. Our Contractor Notice, General Notes, Manhole/Pipe Specifications, and applicable details shall be on all plans.
19. Call out "XXX L.F. 8" SDR XX @ X.XX%" in all profiles. 6'-14' deep use SDR 26, 15'-20' deep use SDR 21, and greater than 20' depths use DR 18.
20. Show all clearance distances where any storm sewer crosses over the sanitary main. (DR 18 will be required per our detail where there is < 1.5' of clearance). DR 18 manhole to manhole is best.
21. Calculate inverts of all proposed sanitary sewers into manholes as reflecting matching tops of existing (downstream) and proposed pipe(s). If existing sewer is > = 15", match 80% flow marks of the proposed & downstream pipes.
22. When a (monolithic) drop manhole is proposed, call out BOTH incoming inverts with lower invert determined per the above item.
23. If a District interceptor is adjacent to the site, add this note on all P&P sheets and utility plan: *"When working around Fox Metro's XX" interceptor, extreme care must be taken." See appropriate notes and details for frame adjustment requirements. All interceptor frames shall remain at or be adjusted to finished grade per the approved plan"*.
24. If a District interceptor is on site, the following two items will need to be considered:
 - 1.) On the project grading plan, show no more than 6% grading within our easement

and 2.) On the landscaping plan, do not show any bushes or trees proposed in the easement.

25. Where possible, public sanitary line segments shall be a maximum of 400'.
26. Flow entering a manhole/pipe at < 90 degrees from the downstream pipe is not allowed. An additional manhole might be needed in order to correct this.
27. Where the plan set calls for adherence to the standards of state and local authorities, call out that adherence to the specifications of Fox Metro Water Reclamation District is also required.