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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 our review 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 overall development.
3. Submit a final subdivision plat. When available, a recorded version is required.
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(s). Contact the city/village for assistance.
6. Where multi-family townhouse buildings are proposed, provide a list detailing the # of dwelling units per building. For apartments, provide a list of bedrooms per dwelling.
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. Manhole/pipe serving ultimate area needs to be of adequate invert, diameter, slope and taken to the far property line of this unit/development. Contact the city/village for assistance.
9. # of sanitary services for multi-family buildings:
 - a. One water meter per dwelling = one sanitary service per d.u.
 - b. One water meter per building = one sanitary service per building OR one per d.u.
10. Provide profile sheets for all public sewers.
11. All public sewers shall be a minimum of 6' in depth.
12. Where public sewer exceeds 12' in depth, show required risers in the profile(s).

13. For any/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).
14. Eliminate drop manhole(s) where the two incoming inverts on the drop have < 3.0' vertical separation. Instead, increase slope of the upstream segment.
15. On utility plan and on applicable P&P sheets, call out that "It is the contractor's sole responsibility to maintain any/all plugs during construction. No infiltration or debris shall enter the sanitary sewer". Show a plug at the existing manhole, as well as at the downstream side of the 1st new manhole (FMWRD shall verify this at review time).
16. Our Contractor Notice, General Notes, Manhole/Pipe Specifications, and applicable details shall be on all plans.
17. Call out "XXX L.F. 8" SDR XX @ X.XX%" for each segment in plan and profile views. 6'-14' deep use SDR 26, 15'-20' deep use SDR 21, and greater than 20' depths use DR 18.
18. Show all clearance distances where any storm sewer crosses over the sanitary main. DR 18 will be required where there is < 1.5' of clearance.
19. Calculate inverts of all proposed sanitary sewers into manholes as reflecting matching the top elevations of the existing downstream and proposed pipes. If existing downstream sewer is $\geq 15''$, match 80% flow marks both pipes.
20. When a drop manhole is proposed, call out BOTH incoming inverts with lower invert determined per item 19 above.
21. 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"*.
22. If a District interceptor is on site, the following two items will need to be considered:
 - a. Project grading plan: show no more than 6% grading side to side within easement
 - b. Landscaping plan: limit bushes and/or trees in the easement. We need access to all manholes.
23. Where possible, public sewer segments shall be a maximum of 500'.
24. New pipes/flow entering a manhole at < 90 degrees from the existing downstream pipe is not allowed. An additional manhole might be needed to correct this.
25. 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.