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## Fox Metro Water Reclamation District Sanitary Sewer Installation Rules and Regulations

Fox Metro Water Reclamation District has first jurisdiction in the tributary metropolitan sewer area as per Sewer Use Ordinance #885, and all discharges to the sanitary system will be controlled and monitored by Fox Metro Water Reclamation District.

### **Bonding**

1. To perform sanitary sewer service installation or repairs you must provide a twenty-five thousand dollar (\$25,000.00) license & permit bond to "Fox Metro Water Reclamation District" (District), as the obligee. On this bond, it shall be indicated that the contractor performs work such as: "sanitary sewer excavation" or "sanitary sewer construction". The bonded contractor is required to install or repair all sanitary sewers according to District specifications (also refer to Standard Specifications for Water and Sewer Main Construction in Illinois and "77 Illinois Administrative code, part 890, Illinois Plumbing Code", latest edition).

### **Violations and Illegal discharges**

2. Failure to comply with District Ordinances may result in penalties not to exceed three thousand dollars (\$3,000.00) **for each violation**. These fines may double with each occurrence by the same company, individual or contractor. The following list does not represent all possible violations, but however, includes some of the most common violations:
  - a. Construction using unapproved plans
  - b. Construction/repair of any sanitary sewer without a District permit
  - c. Construction/repair of sanitary sewers or water supply lines without a District inspection
  - d. Construction/repair of sanitary sewers without an approved License and Permit bond
  - e. Construction of public sewers without 48-hour notice
  - f. Construction of sewers without required I.E.P.A. permit and District approval letter
  - g. \*Release of ground water, aggregates or mud into the public sewer system
  - h. \*Release of ground water or overland drainage into an unsecured system

3. \*All new sanitary construction must be securely plugged per the approved plans. This plug must be maintained at all times by the contractor to prevent unnecessary flow or discharge into the existing sanitary system. This plug may only be removed only with the approval of Fox Metro or by the governing municipality, and after all construction drainage has been properly removed.
4. \*No ground water, run off, or surface water is allowed to enter any sanitary sewer system before, during or after any sanitary sewer service work, mainline construction, or repair. In addition, draining or pumping ground or surface water into any sanitary sewer system is strictly prohibited.
5. \*No aggregate, dirt, clay, debris, or foreign materials are allowed to enter any sanitary sewer system. Any individual, contractor or company causing said material to enter an existing sanitary sewer system shall clean and remove this debris from the system at their expense, and under the supervision of the District and/or the governing municipality. Furthermore, should it be determined that this material caused a system surcharge or backup resulting in property loss or damage, this same responsible party, individual or company shall make proper restitution, restoration, clean up and disinfection as may be required for proper health and safety.
6. \*Footing tiles, sump pumps, under-floor drains, downspouts, yard drains or any other connections for draining ground water, run off, or surface water directly or indirectly into sanitary sewers are expressly prohibited and subject to fines and treatment costs.

\*PLEASE PAY PARTICULAR ATTENTION TO ITEMS G & H, AS WELL AS TO ITEMS 1 THROUGH 6. UNDER NO CIRCUMSTANCES WILL THE DISTRICT ANY AGGREGATES, MUD, CLAY OR GROUND WATER TO ENTER THE SANITARY SEWER SYSTEM. FAILURE TO COMPLY MAY RESULT IN MAXIMUM FINES, AS WELL AS POSSIBLE CLEANING AND TREATMENT COSTS. REPEAT OFFENDERS MAY BECOME SUBJECT TO REVOCATION OF THEIR BOND AND DENIAL OF FUTURE WORK IN THE DISTRICT'S SERVICE AREA. FOR ANY QUESTIONS, CALL THE ENGINEERING DEPARTMENT AT (630) 301-6882.

### **Inspections**

7. All construction involving any sanitary building sewers, including new construction and repairs, and \*water services (see just below) shall be inspected by the District.
8. \*The District performs all water service inspections for the City of Aurora and the Villages of Montgomery, Sugar Grove and North Aurora, and shall consist of the following:
  - a. All domestic water connections shall be a minimum of one (1) inch in diameter and shall be Type K copper. All domestic water connections larger than two (2)

inches in diameter may require D.I.P., as well as chlorination and testing witnessed by a Professional Engineer from the municipality in which the service is being constructed.

- b. Each water service shall be in its own trench with ten (10) feet (minimum) of horizontal separation from the sanitary service or main, and be at a minimum depth of five (5) feet. Where this is not possible, refer to the District's sewer and water separation detail and the Illinois Plumbing Code.
  - c. Water shut-offs shall be placed outside of driveways, curbs, sidewalks, or any surfaced area.
  - d. If water service is not included in the design of a new building where a District permit was issued for the sanitary sewer, a separate "Water Inspection Request" form is required from the District. However, prior to construction, permitting and specifications relating to such installations for water services shall be directed from the City or Village having first jurisdiction.
9. The sanitary sewer contractors for all public sewer extension projects shall notify the District twenty-four (24) hours prior to the start of work at the phone number provided on the District's Plan Approval Letter or at (630) 301-6882. For service connections, call the day prior to the desired inspection time between the hours of 7:00 a.m. and 3:00 p.m. at (630) 301-6811.
  10. Inspections scheduled on the same day shall be charged a fifty-dollar (\$50) fee. To avoid additional fees, if you are running late or wish to cancel an inspection, a minimum of a one-hour notification is required.
  11. A fifty-dollar (\$50) fee may be charged for return inspections (not including multi-family), failed inspections, failure to cancel, or those which are incomplete at the scheduled time.
  12. Holiday and weekend inspections may be available for a minimum fee of \$150, which is due prior to the inspection. To inquire, please call 630-301-6811 during the hours of 7:00 a.m. – 3:00 p.m. Monday – Friday.
  13. When calling for an inspection, a District permit number is always required. An inspection cannot be scheduled without this number.
  14. Exterior sanitary sewer repairs require a no charge repair permit. After you receive this permit, you may call to schedule an inspection.
  15. After-hours emergency inspection of any repairs: call 630-327-8919.

## **Construction**

16. Full sized exterior cleanouts are required for all new building sewers.
17. Any building constructed with a basement shall have overhead building drains and building sewers.
18. All construction, including bedding stone, fittings, pipe, chimney & manhole seals and testing must meet District specifications.
19. If any public water or public sewer is damaged or broken during excavation, you must notify the municipality having first jurisdiction immediately. Any broken or damaged municipal utility will require repair approval and inspection by that municipality. In addition, a repair permit and inspection by the District shall be required for any damaged water or sanitary service.
20. All public sewer main construction must have an IEPA permit **and** plan approval letter on file with the District's engineering department prior to commencing with any construction. Please call 630-301-6882 to verify that these items are on file.
21. A final-approved set of plans and specifications must be kept on the job site. Failure to comply with this provision may result in a fine and/or be considered cause to stop the job.
22. Any change from approved plans, specifications, or additions must be requested and become subject to approval by the District and municipality having first jurisdiction.
23. Where a new building is constructed on any lot where the building sewer or "stub" is made of non-pvc materials, said service shall be removed and replaced to the public main or CIPP lined using only specifications approved by the District.
24. No solvent-welded joints shall be allowed outside of the foundation wall.
25. The District must be contacted to check the sewer main before any individual or company rods a building sewer. This only applies in "back up" situations to insure the main sewer is not surcharged.
26. To verify the proper point at which to core-drill into any public sewer, especially an interceptor, the contractor shall call the District twenty-four (24) hours in advance at (630) 301-6811 to schedule a pre-drill inspection.
27. Absolutely no "crown" connections are allowed for any sanitary sewer mainline or service tie-in. All new connections are to be located at a point or angle no higher than forty-five (45) degrees or 1/1 from the horizontal point of the existing sewer.

28. All sanitary sewers shall be tested in accordance with Section 31–1.11 of the “Standard Specifications for Water and Sewer Main Construction in Illinois”. In addition, all manholes shall be vacuum tested (Manhole testing will be in accordance with ASTM-1244-93 or in accordance with the District’s requirements) from the top of the casting. In case of testing specification conflict, where deeper manholes are constructed, the more stringent requirement shall apply.
29. All existing sanitary interceptor (mains 15” in diameter or greater) manhole frames located within any proposed development will be required to be adjusted to grade. Under no circumstances may the amount of adjusting rings exceed eight (8) inches (two rings total). Extreme care should be taken when working near all sanitary manholes.
30. Landscaping within any District easement is prohibited without review and subsequent plan approval by the District. It is vital for all Field Department personnel to be able to access the entire length of any interceptor easement for the purpose of maintaining the integrity of the sanitary sewer system or dealing with emergencies. Unless approved by the District, the easement shall be graded so that the ground surface does not exceed a six (6) percent gradient in any direction.

Questions relating to any District specification, rule/regulation, or those regarding a specific project, should be directed to the engineering department at 630-301-6882.