



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

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GENERAL NOTES

FOR SANITARY SEWER CONSTRUCTION IN THE FOX METRO WATER RECLAMATION DISTRICT

1. All sanitary sewer construction shall be performed in accordance with the "Fox Metro Water Reclamation District Sewer Use Ordinance No. 859", the "Standard Specifications for Water and Sewer Main Construction in Illinois", and "77 Illinois Administrative Code, part 890, Illinois Plumbing Code", latest edition.
2. Final approved set of plans and specifications must be kept on the job site. Failure to do this may result in a fine and/or be considered cause to stop the job.
3. Contractors for all sanitary sewer main extension projects shall notify the District's Engineering Department twenty-four (24) hours prior to the start of work. Notification shall be done via telephone at (630) 301-6882, fax at (630) 897-6094 or email (smedrano@foxmetro.org or mfrankino@foxmetro.org).
4. For service connection inspections, call twenty-four (24) hours in advance to schedule an inspection at (630) 301-6811.
5. To prevent any possible infiltration, inflow or debris from entering the downstream sanitary system, a factory-made plug shall be placed in the manhole by the contractor, as indicated on the final approved plans. The placement of the plug(s) shall not interrupt the service of any user. This plug is to be removed only upon approval by the District or the city/village and only after any construction drainage and/or debris has been properly removed. Under no circumstances is overland surface drainage allowed to drain into the sanitary system.
6. All sanitary sewers shall be tested in accordance with Section 31-1.12 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 District requirements). In case of testing specification conflict, where deeper manholes are constructed, the more stringent requirement will apply.
7. When connecting to an existing sanitary main when a tee or wye is not provided, an "Inserta Tee" fitting must be installed. The minimum distance between fittings is four (4) feet center to center. Installation of a wye/tee on an existing main is prohibited. The angle of any new connection shall not exceed 1/1 or 45 degrees.

8. Only "Infi-Shield", "Adaptor-Seal", and "Wrapid Seal" or approved equal chimney seals shall be installed on all manholes and grease removal systems.
9. Only PVC transition fittings shall be used in all new construction when joining PVC pipes which are damaged, disturbed during construction or have different outside diameters. Refer to Fox Metro "Manhole/Sewer Pipe Specifications" for information relating to repairs of mains damaged during construction.
10. 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 vertical height of the adjusting rings (two total) rings exceed eight (8) inches Extreme care should be taken when working near all sanitary manholes.
11. Cast iron cleanout covers are required in areas receiving traffic loads.
12. Ductile iron and cast iron pipe is not allowed for the use of gravity sewers in the District.
13. Landscaping within any District easement is prohibited without review and subsequent plan approval. The easement shall be graded so that the ground surface does not exceed a six (6) percent gradient in all directions.
14. All building drains/sewers shall be overhead or "hung" through the basement wall of any new building. All sanitary risers shall be required to be constructed to a depth of no greater than six (6) to seven (7) feet at the right of way. If a conflict arises between a sanitary sewer and a water line, IEPA water & sewer separation requirements take precedent.
15. Whether any grease removal system is newly constructed or "retrofitted" to an existing building, a minimum each of 1% slope and 3.5' of cover for pipes are required.
16. Minimum design slopes shall be 1.00% for six (6) inch building sewers, .40% for eight (8) inch sewers, and .28% for ten (10) inch sewers with all other design slopes conforming to the requirements of the "Standard Specifications for Water and Sewer Main Construction in Illinois".
17. All manhole barrel sections (including those sections of existing manholes which have been exposed during construction) shall be required to be externally sealed with a *6" or **9" wide (min.) sealing band of rubber and mastic. The band shall have an outer layer of rubber or polyethylene with an under layer of rubberized mastic (with a protective film), meeting the requirements of ASTM C-877, **type II or *type III.
18. All sags, leaks, pipe defects, or other related issues with any newly televised sewer shall be repaired by the contractor at the discretion of the District. For approval of repairs, these areas will need to be confirmed in writing as completed by the appropriate municipality

or re-televised by the District. At the District's discretion, connection permits may be withheld if confirmation of completed repairs cannot be obtained.

19. Any contractor, who consistently fails to perform in accordance with the District's standards and specifications as provided on the plans, may be prohibited from performing work in the District. The District reserves the right to revoke or disallow any contractor's bond.
20. The District shall televise all sewers eight (8) inches in diameter or greater. In order to access each manhole, the developer is responsible for providing a smooth, level area of sufficient width along the sanitary sewer system. If the sewers are found not to be clean during televising, the developer may incur additional charges if proper access to all manholes is not provided and/or for "heavy cleaning" of sewers by the District's contractor.
21. Full-sized cleanouts are required on all building sewers and shall be installed at a minimum depth of four (4) feet rim to invert.