LUCAS COUNTY SANITARY ENGINEER

BUILDING SEWERS AND CONNECTIONS
RULES AND REGULATIONS

Section 1. All sewers or sewer improvements that have been constructed or sewers or sewer improvements hereinafter constructed by the Board of County Commissioners of Lucas County shall be for sanitary sewage only and shall include all sewers or sewer improvements for main sanitary drainage or local sanitary drainage in the Metropolitan Sewer and Water District now established or to be established by the Board and approved by the Ohio Environmental Protection Agency.

Section 2. No person shall make connection of roof downspouts, exterior foundation drains, areaway drains or other sources of surface run-off or ground water to a building sewer or building drain which is in turn connected directly to a public sanitary sewer.

Section 3. Only persons of proven ability and 5 years of documented experience, and approved by the Board of County Commissioners and the Lucas County Sanitary Engineer, who have been granted a Sewer Tapper's License shall be permitted to construct and/or repair building sewers in the County.

Section 4. Said Sewer Tapper's License shall be approved and signed by the Sanitary Engineer, shall expire on the 31st day of December of the year of its issuance, and shall be subject to an annual charge of $100.00 for such issuance. This license may be revoked at any time by the Board of County Commissioners upon recommendation of the Sanitary Engineer for any violation of the regulations governing sewer contractors. Further, each contractor shall provide a $50,000 bond to ensure proper performance of work.

Section 5. All applications for building sewer construction and/or repair shall be as provided by the Sanitary Engineer and signed by the certified owner or owners, and by the contractor prior to submission to the Sanitary Engineer. When property is owned by a company or corporation, the application shall be signed by an officer of said company or corporation. When the property is a joint ownership, both parties shall sign the sewer application.

Section 6. A permit to tap any sanitary sewer must be obtained at the office of the Sanitary Engineer by a Licensed Sewer Tapper before any tap may be made. This permit shall be valid for thirty days from date of issuance by the Sanitary Engineer, at the end of which time it shall expire, and a new permit shall be obtained at the prevailing permit charge rate. All permits shall be fully completed by the sewer tapper and any lack of information as required by the Sanitary Engineer shall be regarded by the Sanitary Engineer as an unsatisfactory return of the permit by the sewer contractor, and a violation of these regulations. In the event the tapper is unable to perform the work within the 30-day period, or the work is canceled by the owner, the permit for the work may be extended for an additional 30 days, upon permission of the Sanitary Engineer. The County cannot guarantee the exact location of any wye, riser, crossover, or other appurtenances, as all measurements are approximate. In the event a connection, such as a riser, wye, or tee is not provided for in the line to be connected to, the sewer contractor shall insert a tee only with written permission from the office of the Sanitary Engineer.

Section 7. Charges established by the Sanitary Engineer shall be made to cover the cost of permit issuance, inspection, and related costs for each day or fraction thereof. All charges are to be paid to the Office of the Sanitary Engineer.

Section 8. No unauthorized person shall uncover, make any connections with or opening into, use, alter, or disturb any public sewer or appurtenances thereof without first obtaining a written permit from the County.

Section 9. Permits shall be required for all repair work performed by the sewer contractor. Application shall be as indicated in Section 5.

Section 10. No permit shall be issued for sewer connection if the wastewater treatment works downstream from the proposed connection does not have sufficient capacity, including the loading from compatible pollutants, to receive the wastewater from the proposed connection.

Section 11. No permit shall be issued for sewer connection if it is determined that said sewer connection will result in the conversion of wetlands into other land uses, filled, drained or otherwise degraded or destroyed unless the property owner produces evidence that the appropriate permits have been issued by the U.S. Army Corps of Engineers under Section 404 of the Clean Water Act.

Section 12. No permit shall be deemed to authorize anything not stated on its face and any misrepresentation by the sewer contractor, if the same appears to be willful, will subject the offender to a revocation of license, after a hearing before the Board of County Commissioners or their representative.

Section 13. The office of the Sanitary Engineer must be notified a minimum of 48 hours prior to ensure inspection, unless emergency conditions prevail. All notifications of this kind shall include the permit number, address, parcel number and location. Any sewer contractor before making connection to any wye, tee, or vee shall uncover the appurtenance to ascertain the condition. No header shall be removed nor any pipe laid before the County inspector is present on the site. Construction shall begin at the main sewer. Permits shall be left on the site in the possession of the sewer contractor until the work is completed.

Section 14. All materials used in construction and all workmanship shall be of adequate quality and acceptable to the Sanitary Engineer.

Section 15. The building sewer shall be constructed of reinforced concrete per ODOT 706.02, vitrified clay per ODOT 706.08ES, or PVC per ASTM D3034-SDR35 or per ASTM F679 sewer pipe as approved by the County. The County reserves the right to specify and require the encasement of any sewer pipe with concrete, or the installation of the sewer pipe in concrete cradle if foundation and construction are such as to warrant such protection in the opinion of the County.

Section 16. The size, slope, alignment, materials of construction of a building sewer, and the methods to be used in excavating, placing of pipe, jointing, testing, and backfilling the trench, shall all conform to the pertinent standards and specifications of the County, and other applicable construction and material specifications of the State of Ohio.

Section 17. All excavation for building sewer installation and repair shall be adequately guarded with barricades and lights in accordance with all applicable state and federal OSHA regulations so as to protect the public from hazard. Streets, sidewalks, and other public and private property disturbed in the course of the work shall be restored in a manner satisfactory to the County.

Section 18. All work shall be performed in accordance with all applicable state and federal OSHA regulations or any applicable local, state, or federal safety regulations. The contractor shall file a site specific safety plan with the County. Each Contractor shall have the ability to provide proof that they can perform the necessary work in accordance with all existing regulations that govern their work for the County.

Section 19. A separate and independent building sewer shall be provided for every building and/or privately owned buildings.

Section 20. When required by the Sanitary Engineer, a user shall install one or more suitable structures, together with such necessary meters and other appurtenances, in the building sewer(s) to facilitate observation, sampling and measurement of the wastes. Such structure(s), when required, shall be accessible and safely located and shall be constructed in accordance with plans approved by the Sanitary Engineer. The structure(s) and appurtenances shall be installed by the user at their expense and shall be maintained by the user so as to be safe and accessible at all times.

Section 21. Whenever possible, the building sewer should be brought to the building at an elevation below the basement floor. In all buildings in which any building drain is too low to permit gravity flow to the public sewer, sanitary sewage carried by such building drain shall be lifted by an approved means and discharged to the building sewer.

Section 22. Sewers must have a gradual and uniform fall of not less than 1' per 100', from the building to the County sewer. Sewers shall be located a minimum of 4 feet from potable water lines and gas lines. Change in direction must be made with curves, bends, or wyes. Cleanouts shall be installed immediately outside the building. The sewer contractor may construct the building sewer from the County sewer to the soil/vent pipe location and capped in a manner satisfactory to the Sanitary Engineer, and removed only in the presence of the County inspector. The cap may be removed when the rough plumbing has been approved. Removal of the cap or willful damage to the sewer service allowing ground water, earth, stone or other material into the public/private sanitary sewer system shall be the responsibility of the Builder and Sewer Contractor to prevent this situation. All costs associated with clean up and repair of damage to the county sewer system shall be billed to the Builder/Sewer Contractor. No further permits will be granted until situation is corrected and all fees and charges are paid to the County and other public and private parties affected by resultant negligence. Property owners shall ascertain the elevation of the county connection to determine the proper elevation of the structure which it is proposed to serve by this connection.

Section 23. All pipe joints must be water-tight, root-resistant, flexible, and durable, and shall be of the rubber ring principle. All other joints shall be as approved by the Sanitary Engineer. The connection of the building drain and the building sewer shall be well and solidly supported so that the weight of backfill will not settle the pipe, and the actual connection shall be encased in concrete. House connections shall, in general, be above and near the spring line of the sewer; however, not into any manhole unless approved by the Sanitary Engineer.

Section 24. Backfilling of the sewer trench, and the methods and equipment used in placing fill must be selected to prevent dislocation or damage to the pipe. The sewer contractor must backfill and compact the trench in six (6") inch layers to a level with the former grade in unimproved streets and alleys. Where streets and alleys are paved, it will be necessary to backfill with a granular material to achieve a high degree of compaction, using sand, or stone screenings. Said materials must be placed in six (6") inch layers and tamped, vibrated, or where conditions permit, consolidated by jetting.

Section 25. Sewer contractor must use care not to break any street sub-drainage, and shall replace, or cause to be restored any pipe, utilities, or structures damaged.

Section 26. At all joints where building sewers or connection construction passes under another sewer or drainage pipe, the sewer passed under must be supported

by an adequate cradle or encasement by concrete construction, and extra precaution will be required in backfilling and consolidation in order to avoid any danger of a break, settlement, or damage to the sewer passed under.

Section 27. Sewer pipe must be laid in a trench carefully made, with bottom trimmed to grade, and having depressions for pipe joints, so that each length of pipe shall be evenly supported throughout the entire length. The interior of each length shall be clean and free of all construction material, and other debris before the next length is laid down.

Section 28. Any sewer contractor must enclose any openings which he may make in the public streets, alleys, rights of way or easements with sufficient barriers, and must maintain lighting for warning purposes at all hours, take all other necessary precautions to guard the public effectually against all accidents from the beginning to the end of the work, and can secure permit only on the condition that he is to be held responsible for all damages that may result from his neglect of any or all reasonable precautions against injury or damages to persons, vehicles, or property of any kind. Trenches shall be adequately sheeted and/or braced in accordance with State of Ohio Industrial Commission regulations and the Occupational Safety and Health Administration (OSHA). Each sewer contractor shall provide the Lucas County Sanitary Engineer with a copy of their specific safety plans (trenching, excavating, confined space, etc...) and signed statements ensuring that their employees have been adequately trained.

Section 29. If any sewer contractor shall neglect or refuse to comply with the rules and regulations herein set forth, within 48 hours first notice from the Sanitary Engineer, the County may proceed with the work, and the cost involved will be charged to the sewer contractor or his surety. In cases where it is necessary for the County to proceed with the work, no further permits will be granted to the sewer contractor until he has satisfactorily complied with the orders of the Sanitary Engineer and completely reimbursed the County for any cost involved.

Section 30. The sewer contractor shall be required for a period of two (2) years after the completion of the work to make all necessary repairs.

Section 31. The Sanitary Engineer, or any person authorized by him, must be permitted at all times to inspect all work, material, and fixtures.

Section 32. Before a sewer permit is issued, the applicant shall be required to pay the service fees as provided in these rules and regulations, and pay all user fees and other applicable charges and fees against the property as presently exist, or as may be amended.

Section 33. All costs and expenses incident to the installation and connection, operation, maintenance and repair of the building sewer shall be borne by the owner. The owner shall indemnify the County from any loss or damage that may directly or indirectly be occasioned by the installation of the building sewer.

Section 34. Building sewers which are directly or indirectly connected into the public sewer system shall conform to such regulations pertaining to same as may exist or may be enacted by the County.

Section 35. At such times as a public sewer becomes available to a property served by a sewage disposal system, a direct connection shall be made to the public sewer in compliance with this Resolution, and any septic tanks, cesspools, and similar private sewage disposal facilities shall be abandoned and filled with suitable material as required by the Lucas County Board of Health.

Section 36. The Sanitary Engineer may revoke this license due to faulty or negligent workmanship, non-specified or damaged materials, non-compliance with safety regulations or other items resulting in improper installation of building sewers. The license shall only be restored upon evidence of compliance with these rules and regulations.

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