CHAPTER 45: PERMIT “PASS OUT” DOCUMENT REGULATIONS

Flagg Creek Water Reclamation District - Permit "Pass Out" Document Regulations

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Section

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' 45-1.01 AMENDING PROVISIONS.

The Board of Trustees hereby accepts the request of the District staff and hereafter sets forth, as an ordinance of the District, the requirements heretofore found in diverse ordinances, and, where heretofore enacted ordinances are silent on the subject, enacting new provisions as set forth below.
(Ord. 804, passed 10-19-2006)

' 45-1.02 PERMIT REQUIRED.

No sewer laying, building service line laying or disconnection of any building connected to the District system shall be done within the District unless and until the District has issued a permit for such work and unless the person or entity doing the work has filed a bond with the District and such bond has been approved by the District as set forth below. In the case of a sewer extension serving in more than one building or structure or the connection sought to be made is of a building discharging in excess of 1,500 GPD, a permit is required from both the state's Environmental Protection Agency and the District after review and approval of the plans and specifications.
(Ord. 804, passed 10-19-2006)

' 45-1.03 OVERHEAD SEWERS; DISCONNECTION PERMITS REQUIRED FOR TEARDOWN.

(A) Notwithstanding other regulations which may be less stringent, pursuant to the charge of the Clean Water Act, being 33 U.S.C. " 1251 et seq., to prevent pollution, overhead sewers are hereby required to be installed in all new construction and in all situations involving a remodeling of a building where the cost of the remodeling exceeds 25% of the then current assessed valuation of the structure being remodeled.

(B) In the case of a teardown of an existing building or in the case of such remodeling, prior to disconnection from the main, at the street, or as otherwise directed by the District Inspector, a disconnection permit from the District is required and, prior to making such disconnection, the building line serving the existing building shall be televised to ascertain if the severance will disconnect any other building(s).
(Ord. 804, passed 10-19-2006)

' 45-1.04 STREET OR ROADWAY OPENINGS.

All street or roadway openings shall be in full compliance with the applicable state, local municipality or county authority and be authorized under a street opening permit issued by such authority. Restoration of the street or roadway shall be as required by such authority.
(Ord. 804, passed 10-19-2006)

' 45-1.05 INSPECTION REQUIRED.

The District requires inspection by the District Inspector of all underground sewer or service work where the sewers or services are, directly or indirectly, tributary to the District sewage collection system to determine compliance with the ordinances, resolutions, rules and regulations of the District and whether the work is approved by the District Inspector. The person or persons performing the work are required to give the District 24 hours notification time prior to the commencement of the work to make an appointment or appointments for the inspection of the work by the District Inspector. No underground work may be covered unless it has been inspected and approved by the District Inspector. If any such work is covered before inspection, the District Inspector has the right and duty to require it to be uncovered and inspected and it may not be covered unless it is found to be in compliance with the ordinances, resolutions, rules and regulations of the District and is approved by the District Inspector.
(Ord. 804, passed 10-19-2006)

' 45-1.06 BUILDING SERVICE LINE WORK PERFORMANCE REQUIREMENTS.

Any and all building service line work performed as follows:

(A) Without the payment of the applicable composite connection charges or composite connection charge surcharges (where applicable) and issuance of a connection permit;

(B) By an un-bonded (to the District) contractor;

(C) Covered before inspection; and

(D) Which does not meet the requirements of the ordinances, resolutions, rules and regulations of the District, as determined by the District Inspector, shall be automatically rejected.
(Ord. 804, passed 10-19-2006)

' 45-1.07 WHEN REJECTED WORK MAY BE IN COMPLIANCE.

Rejected work for the reasons set forth in ' 45-2.06 may be accepted as in compliance with the ordinances, resolutions, rules and regulations of the District only if:

(A) Applicable composite connection charges or composite connection charge surcharges have been paid and the connection permit has been issued. (In cases where the IEPA regulation require that it issue a permit, the District shall not issue its permit until it is advised that the IEPA has issued its permit.);

(B) The person or persons performing the work (contractor) becomes bonded;

(C) The work, if covered, has been uncovered; and

(D) The work has been inspected and found to be in compliance with the ordinances, resolutions, rules and regulations of the District and is approved the District Inspector.
(Ord. 804, passed 10-19-2006)

' 45-1.08 OVERHEAD SEWER INSTALLATION.

Notwithstanding regulations of other regulatory bodies which may be concerned with the subject, which may be less stringent than those of the District, pursuant to the charge of the Clean Water Act, being 33 U.S.C. '' 1251 et seq. (Pub. L. 92-500), to eliminate infiltration/inflow to prevent pollution, overhead sewers are hereby required to be installed in all new construction and in all situations involving a remodeling of a building where the cost of the remodeling exceeds 25% of the then current assessed valuation of the structure being remodeled, or where, for other reasons, it has become necessary to replace the building service line.
(Ord. 804, passed 10-19-2006)

' 45-1.09 SUMPS.

Notwithstanding regulations of other regulatory bodies, which may be concerned with the subject which may be less stringent than those of the District, pursuant to the charge of the Clean Water Act, being 33 U.S.C. '' 1251 et seq. (Pub. L. 92-500), to eliminate infiltration/inflow to prevent pollution, and, based upon the historical experience experienced by the District, the District requires that there is a ten-foot separation of footing tile sumps from wastewater ejector sumps. The Inspector shall have the authority to reject any work which does not adhere to the District sump separation requirements. Rejected work shall, upon written or other notice to the persons performing the work and the owner, be brought into compliance.
(Ord. 804, passed 10-19-2006)

' 45-1.10 TECHNICAL REQUIREMENTS FOR BUILDING AND SEWER LINES.

The following technical and other requirements shall be applicable to all sewer line and building service line construction, connections to the District collection system and sump and ejector pit locations:

(A) *Class B bedding material.*

(1) Number two torpedo sand, or grade eight stone;

(2) Six inch minimum under pipe and one foot over, including the same material alongside the pipe; and

(3) The specified materials must be well spaded in both sides of the pipe and carefully tamped so as not to dislodge or move the pipe.

(B) *Pipe size.*

(1) Building drain: four inches from the exterior of the foundation wall to five feet outside of the foundation;

(2) Building service lines: six inches from its connection with the building drain to the connection the public sewer; and

(3) Sewer extension: per plans approved District and IEPA permit.

(C) *Materials.*

(1) Building drain: per applicable local code;

(2) Building service line: PVC SDR 26 ASTM 3034 (PVC SDR 18 is preferred) - Where the building service line is beneath a porch or other semi-permanent structure or a concrete driveway: ductile iron pipe;

(3) Where sewer line is within 50 feet of a water well: PVC SDR 18, cast or ductile iron water main pipe, C 900 PVC or SDR 26 ASTM 2241;

(4) Connectors: all transition couplings (mission): non-shear type; and

(5) Sewer extension: per plans approved by District and IEPA permit, if applicable.

(D) *Laying, backfilling and connection requirements.* (The District permit must be on-site prior to commencement of any work. All work shall be done in a good and workpersonlike manner.)

(1) No underground work may be covered prior to approval by District Inspector;

(2) Building drain: must be installed to accommodate overhead sewers, but in no case less than two feet above the footing. Pipe must project at least five feet outside of foundation;

(3) Building service line: minimum slope 1% invert elevation at least two feet above the public sewer line and grade shall be as straight as possible;

(4) Connection to public sewer: connect to wye, as directed District Inspector. If no wye is available, tap into sewer with machine tap which makes a round hole to accept Geneco Sealtite sewer pipe saddles, or equal (equality to be determined by District Inspector). Connection shall be located at either 10:00 or 2:00 position;

(5) Connection to any fittings necessary for turns and connection to building drain: mission coupling - non-shear type;

(6) The District permits a removable cap external clean out to be installed in the building service line as an option to (or in addition to) the internal cleanout within the internal plumbing system. It is suggested that such clean out is located as close as is practical to the building or structure; and

(7) Backfilling.

(a) Trenches shall be carefully backfilled with materials approved by the Inspector for backfilling, consisting of earth, loam, sandy clay, sand and gravel, soft shale or other, which is free from frozen earth, large clods of earth or stones larger than one-inch in diameter, deposited in six-inch layers, and thoroughly and carefully tamped, taking care to avoid contact between the pipe and compaction equipment until the pipe has a cover of not less than one foot.

(b) The remainder of the backfill shall be placed in the trench in layers not exceeding six inches and thoroughly tamped.

(c) Trenches in public roadways shall be excavated, backfilled and compacted, typically with CA 6 or CA 7; however, in any event, in accordance with the standards specified in the most stringent requirements of the state, county or municipality in which the work is situated, but not less

stringent than those set forth in *Standard Specification for Water and Sewer Main Construction in Illinois* (most current edition).

(E) *District inspection required.*

(1) Twenty-four hour notice (personal or telephonic) to the District is required to make an appointment for inspection. Less than 24 hours will require an additional $50 inspection surcharge, if an Inspector can be arranged on short notice. One inspection is included in the connection and/or sewer extension permit cost. Additional inspections required shall be at the rate of $150 per additional inspection required.

(2) No sewer or building service line excavation may be filled in prior to inspection and approval by Inspector.

(3) The failure to call the Inspector and/or covering the work before Inspector approves the work shall result an automatic rejection work and obligate the contractor to uncover the work to enable upon direction of the District Inspector.

(4) The District Inspector shall have the right and duty to require the uncovering of any underground construction which has been covered without inspection. After inspection and passage, the Inspector shall order backfilling and restoration. If the work is not approved, the Inspector shall direct remedial work which will be acceptable to the District.

(5) After approval, the District Inspector shall take possession of the connection permit and return the same to the District office.

(6) At any time, in the discretion of the Inspector, the District may order the contractor to obtain a narrated calibrated video of the interior of any sewer line or building service line which is in question.

(F) *Sump pumps and ejector pumps.*

(1) No sump pump system which collects and pumps storm water shall be connected to any pipe or channel which is connected, directly or indirectly, to the District sanitary sewer system.

(2) If there is a sewage ejector pump system installed, such system shall pump directly into the building=s or structure=s sanitary waste system.

(3) There shall be no direct or indirect connection (pipe or channel) between storm water sumps and ejector pump system sumps.

(4) To prevent infiltration/inflow pollution caused by excess storm water flooding from the storm water sump over the floor and entering the ejector pump system sump, or, in the event of failure of the ejector pump, sewage flooding from the ejector pump system sump into the storm water sump and being pumped to ground, the District requires a separation between such sumps of not less than ten feet.

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(G) *Sewer extensions.*

(1) All sewer extensions shall require plans and specifications to be submitted to the District for approval. If the extension will serve more than one building or in excess of 15.0 population equivalents, the approval of the state=s Environmental Protection Agency shall be required. The District has incorporated by reference the standard specification for water and sewer main in the state, the requirements of which govern construction and testing.

(2) After permits are issued, the work shall, in full accordance with the approved plan and issued permit, subject to the provisions incorporated herein.

(H) *Sewer installations.* The provisions of the *Standard Specifications for Water and Sewer Main Construction in Illinois*, set forth in Chapters 34 (most current edition), shall be applicable to construction details, specifically including line and grade and pipe laying.

(I) *Manholes.* The following shall apply to situations where one or more manhole(s) is required:

(1) A manhole is required to be installed in the building service line upon the parcel upon which a commercial structure or building is located between the building or structure and the public sewer. Manholes specified in sewer extensions shall be of the size and type called for in the plans approved by the District and/or the IEPA.

(2) Manhole details, unless otherwise described in such approved plans:

(a) Only precast booted manholes shall be installed;

(b) All manholes shall be equipped with an internal chimney seal ASTM C-923;

(c) The external surface of all manholes shall be coated with ASTM C-877 waterproofing;

(d) The base of the manhole shall be formed to aid the flow of the wastewater through the system and dish type flow line bases shall be prohibited; and

(e) Manhole covers shall be of the concealed pick hole type, the words Asanitary sewer@ cast into the top.

(J) *Testing of sewer extensions.* Chapter 31 of *Specifications for Water and Sewer Main Construction in Illinois* (most current edition) relating to testing is incorporated herein, as set forth therein and shall include:

(1) Exfiltration of air under pressure;

(2) Infiltration of water;

(3) Exfiltration of water;

(4) Deflection for flexible thermoplastic pipe; and

(5) Televising (at the discretion of the District Inspector).

(K) *Restoration (only after District Inspector approval of the underground installation).* The contractor shall restore the surface of streets in accordance with the requirements of the concerned agency or municipality and other public lands and non-owned private lands to the condition which they were in prior to commencement of the work.
(Ord. 804, passed 10-19-2006)

' 45-1.11 RATIFICATION.

To the extent that there are no changes from the provisions heretofore enacted by the District, those provisions are ratified and confirmed. To the extent that there were no equal provisions or the existing provisions have been modified, such provisions hereof shall become an automatic addition or modification of the Code of Laws, as the case may be.
(Ord. 804, passed 10-19-2006)