

ORDINANCE NO. \_\_\_\_\_

Date Passed: February 14, 2011

**AN ORDINANCE AMENDING CHAPTER 98 OF THE MUNICIPAL CODE OF THE CITY OF ROCHELLE (“UTILITIES”) TO REQUIRE CLEANING AND TELEVISIONING OF SANITARY SEWERS AND ALLOW USE OF INTERNAL AND EXTERNAL CHIMNEY SEALS**

**WHEREAS**, the City of Rochelle is a body politic and corporate, organized and existing pursuant to the Illinois Municipal Code, 65 ILCS 5/1-1-1, et. seq.; and

**WHEREAS**, Chapter 98 of the Rochelle Municipal Code (“Utilities”) currently does not require cleaning and televising of sanitary sewers and does not allow for the use of internal chimney seals; and

**WHEREAS**, the “Standard Specifications for Water and Sewer Construction in Illinois”, sixth edition, 2009, promulgated by the Illinois Society of Professional Engineers, provides for cleaning and televising of sanitary sewers as a supplemental condition to acceptance of a sanitary sewer by a municipality; and

**WHEREAS**, due to improved materials, the city can now allow either an internal or an external chimney seal to be used; and

**WHEREAS**, the Utility General Manager and Water/Waste Water Superintendent have recommended to the City Council that Chapter 98 be amended to require cleaning and televising of sanitary sewers and allow use of internal and external chimney seals; and

**WHEREAS**, these proposed changes were submitted to and recommended by the Utilities Advisory Board on January 26, 2011;

**NOW THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF ROCHELLE, OGLE COUNTY, ILLINOIS**, that Sections 98-154 and 98-155 of Chapter 98 of the Municipal Code of the City of Rochelle be amended to read as follows:

*See attached Exhibit A (additions shown by underline; deletions by strikethrough).*

This ordinance shall become effective after its passage, approval and publication as provided by law and shall modify any inconsistent provisions in the municipal code prior to this date.

PASSED AND APPROVED this 14<sup>th</sup> day of February, 2011.

Ayes: \_\_\_\_\_ Nays: \_\_\_\_\_ Abstain: \_\_\_\_\_

\_\_\_\_\_  
Mayor

Attested: \_\_\_\_\_  
City Clerk

## EXHIBIT A

### Sec. 98-154. Specifications for sanitary sewer construction.

(a) All sanitary sewers shall be constructed of polyvinyl chloride (PVC) SDR-26 or heavier sewer pipe which shall conform to ASTM D-3034 with a D-3212 joint; it shall be bedded per standards.

(b) Sewers shall be of adequate size to serve the entire development proposed. The minimum size of street sewers shall be eight-inch internal diameter.

(c) Before commencing the sewer layout, the designer shall confer with the city to determine the required size and grades for any trunk sewers traversing the subdivision to fit the city's overall plan. These shall be installed by the subdivider.

(d) House service laterals of four-inch internal diameter shall be provided for each lot, parcel, or tract. House services shall be extended five feet beyond the property line and marked with a four-inch by four-inch post painted green. It is required that the lateral shall be eight to ten feet below the proposed street grade where possible. Proper bedding is required per Environmental Protection Agency regulations.

(e) The developer shall notify the city engineer and the water reclamation division at least 24 hours prior to start of construction in order to arrange for appropriate construction inspection. Work performed or materials and equipment installed without inspection may be considered unacceptable, and if found unacceptable, shall be replaced by the developer.

(f) "Band seal" or similar couplings of appropriate type and size shall be used when joining conduits of dissimilar materials.

(g) All sanitary sewers shall be air tested (low pressure) in accordance with the sanitary sewer departments and EPA requirements: flexible sewers will be tested for deflection, and deflection shall not exceed five percent of pipe diameter, as determined by running a mandrel through all sewer sections. The developer shall furnish the test results to the city.

(h) Prior to acceptance by the city, all sanitary sewers shall be cleaned and then televised to reveal possible defects in materials and or workmanship. All televising shall be made in the presence of a representative of the Engineer of Record and a representative of RMU, and the final videos shall be delivered to the Water Reclamation division for review and approval. This work shall be done by either RMU or an RMU approved contractor. The cost of the cleaning and televising shall be the responsibility of the developer or contractor.

(~~h~~i) All sanitary sewer mains shall be a minimum of eight inches in diameter. Should the city require a larger main to be installed for future development by other property owners, the upsizing will be paid for by the city in accordance with section 86-50.

(~~j~~) The developer's engineer shall prepare and submit to the building division a CAD diskette compatible with the city's geographic information system, of the as-built drawing of the exact location of all lateral, the rim and invert elevations of all manholes and elevations of lateral ends.

(~~k~~) All lateral stub ends and mainline ends must be plugged with proper PVC sewer caps.

(Code 1996, § 11.04.040)

**Sec. 98-155. Materials for sanitary sewer manholes.**

Materials for sanitary sewer manholes shall be as follows:

(1) *Precast concrete type.*

- a. Concrete base: Precast, first MH section and base integrally cast or poured in place as indicated on drawings.
- b. Manholes: ASTM C478, eccentric cone precast top or precast flat slab top because of shallow manhole depth.
- c. Joints: Kent seal.

(2) *Metal accessories.*

- a. Frames and covers: ASTM A48, Class 30B, gray cast-iron; self-sealing type with concealed pick holes; continuous gasket in lid. Furnish covers with cast-in legend SANITARY on roadway face.
- b. Manhole steps: Polypropylene coated steel reinforcing rods, with load and pullout ratings meeting OSHA standards (29 CFR 1900 et seq.).

(3) *Seals.*

- a. ~~External manhole chimney seal:~~ Chimney seals required:
  1. Manufacturers: Cretex Specialty Products, or as approved by RMU.
  2. Compression band: ASTM A240, Type 304 stainless steel band; 1 1/4 inches wide; adjustable slot; stainless steel bolt anchors.
  3. Rubber sleeve: ASTM C923, rubber; 45 ± 5 hardness, 3/16 inch thick; capable of two inches vertical movement without stretching material; spacers for mortared recess to receive sleeve; double corrugations between compression bands.
  4. Bottom compression band: ASTM A240, Type 304 stainless steel band; same as top band; flat one inch wide.
  5. Extension: Same material as chimney seal; provide with lower stainless steel compression band.

(4) *Wall pipe seal.*

- a. Supplied with modular wall and casing seal; used for entrances to manholes that are not supplied with cat-in-place rubber boot.
- b. Manufacturers:
  1. Link Seal.
  2. Approved equal.

(5) *Exterior coating.* Cover entire manhole exterior with bitumastic coating.  
(Code 1996, § 11.04.050)