

READING  
NO READING

~~5-22-13~~  
~~5-26-13~~

ORDINANCE NO. 12606

AN ORDINANCE TO AMEND CHATTANOOGA CITY CODE,  
PART II, ARTICLE XII, STREETS AND SIDEWALKS, BY  
AMENDING SECTION 32-285, "AS-BUILT" DRAWINGS.

---

BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF CHATTANOOGA,  
TENNESSEE:

SECTION 1. That Chattanooga City Code, Part II, Article XII, Streets and Sidewalks, by  
amending Section 32-285, "As-Built" Drawings, as follows:

**Sec. 32-285. "As Built" Drawings.**

- (a) Upon completion of the construction of the required improvements, and prior to final acceptance by the City Engineer, the developer will furnish "As Built" drawings of all sanitary sewer and stormwater structures. A registered professional engineer or surveyor will certify that the information furnished is a true and complete representation of the improvements that were constructed by the developer. The "As Built" drawings shall be furnished in electronic format, and shall be the true and accurate location and elevation of the structures shown, with a positional tolerance of 0.07 feet horizontal and 0.14 feet vertical. English units and NAD 83 State Plane co-ordinates shall be used. Structures shall be identified by the number shown on the drawing or provided by the engineer. The electronic file, in ASCII format, shall provide the following minimum information for sanitary sewer manholes and drainage structures, including drainage manholes:
- (1) Sanitary Sewer Manhole or Drainage Structure Number;
  - (2) Northing, Easting, and Rim Elevation;
  - (3) Invert Elevation; and
  - (4) Size, material, and direction for each pipe entering and leaving the sanitary sewer manhole or drainage structure.
- (b) All drainage structures and sanitary sewer manholes shall be located by the center of the structure or the manhole cover when fully seated.

(c) The electronic file, in ASCII format, shall provide the following minimum information for stormwater detention basins when constructed as part of the development;

- (1) Detention Basin Number;
- (2) Northing, Easting, and Elevation of limits of detention basin;
- (3) Northing, Easting, and Elevation of bottom of detention basin;
- (4) Northing, Easting, and Elevation of corners of overflow structure;  
and
- (5) Invert Elevation, size, material, and direction for each pipe entering and leaving the detention basin.

Prior to final acceptance by the City Engineer and/or issuance of any Certificate of Occupancy, all new developments, redevelopments, and/or additions shall submit an inventory of the constructed stormwater drainage system, whether public or private, to the City of Chattanooga in electronic format. Electronic As-Built drawings shall be submitted in AutoCAD and .pdf format and shall show plainly the approved and constructed layout of the stormwater systems at the associated site. The as-built drawing shall include all stormwater features on the development, whether new or existing, including the outfall to the City drainage system (ex: catch basins, conduits, hydrologic features including ponds, streams, culvert inlets and outfalls, and all pervious surfaces, etc.).

Certain engineered water quality conveyances such as engineered swales and grass filter strips have a required slope and cross section to give maximum water quality benefits for the area and will therefore also require as-built cross sections to determine if they are built per designed specifications.

**As-Built Drawings shall at a minimum comply with the following items:**

- A registered professional engineer or surveyor will certify that the information furnished is a true and complete representation of the improvements that were constructed by the developer.
- The design engineer shall certify that the information reflects the original design or is an approved substitute for the original design by completing the As-Built Detention Facility Engineer's Certification Form (Attached).

- The As-Built drawings shall be furnished in electronic format (both an AutoCAD R13 or greater and a .pdf file shall be required) and shall be the true and accurate location and elevation of the structures shown, with a positional tolerance of 0.07 feet horizontal and 0.14 feet vertical.
- English units and NAD 83 State Plane co-ordinates shall be used. ASCII format may be used if the table is included in the drawing.
- All drainage structures and manholes shall be located by the center of the structure or the manhole cover when fully seated.
- Drainage features (including drainage manholes) shall at a minimum include the following:
  - (1) Drainage Structure Number;
  - (2) Drainage Structure Label (ex: oil skimmer, water quality unit type/model, etc.);
  - (3) Northing, Easting, and Rim Elevation;
  - (4) Invert Elevations;
  - (5) Size, Material, and Direction of flow for each pipe entering and leaving the drainage feature; and
  - (6) Detail drawings of water quality features including but not limited to profiles, contours, and elevations (ex: bio-retention areas, swales, grass filter strips, etc.).
- Detention systems shall at a minimum include the following:
  - (1) Detention System Number;
  - (2) Northing, Easting, and Elevation of the limits, corners, and bottom of detention systems;
  - (3) Invert Elevation, Size, Material, and Direction of flow for each pipe entering and leaving the detention system;
  - (4) Detail drawing for all outlet control and emergency overflow structures;
  - (5) Detail drawing for any other detention systems as necessary (ex: underground detention system); and
  - (6) Required and provided detention storage volume.

SECTION 2. That this Ordinance shall become effective two (2) weeks from and after its passage as provided by law.


PASSED on Second and Final Reading

May 29, 2012.

  
CHAIRPERSON

APPROVED:  DISAPPROVED:

DATE: June 1, 2012.

  
MAYOR

PPB/mms