

RULE NO.: R161-13.19

NOTICE OF PROPOSED RULE

POSTING DATE: July 3, 2013

The Director of the Watershed Protection Department proposes to adopt the following rule after August 4, 2013.

Comments on the proposed rule are requested from the public. Comments should be submitted to Dana McGehee, 505 Barton Springs Road, Suite 1200, Austin Texas, 78704, 974-2634, or via email at *dana.mcgehee@austintexas.gov*. To be considered, comments must be submitted before August 4, 2013, the 32nd day after the date this notice is posted. A summary of the written comments received will be included in the notice of rule adoption that must be posted for the rule to become effective.

An affordability impact statement regarding the proposed rule has been obtained and is available for inspection or copying at the address noted in the preceding paragraph.

EFFECTIVE DATE OF PROPOSED RULE

A rule proposed in this notice may not become effective before the effective date established by a separate notice of rule adoption. A notice of rule adoption may not be posted before August 4, 2013 (the 32nd day after the date of this notice) or not after October 1, 2013 (the 90th day after the date of this notice).

If a proposed rule is not adopted on or before October 1, 2013, it is automatically withdrawn and cannot be adopted without first posting a new notice of a proposed rule.

BRIEF EXPLANATION OF PROPOSED RULE

R161-13.19: Proposes revisions to the Drainage Criteria Manual, Section 5 as follows:

Drainage Criteria Manual – Section 5, Storm Drains

5.1.0 -- General –Revises wording to improve clarity.

5.2.0 – Design Guidelines – Revises wording to improve clarity.

B. Adds language to address the temporary interim condition when a larger pipe may discharge to a smaller pipe if appropriate safeguards are provided to prevent any increase in flooding during the interim period prior to upgrading the receiving system.

C. Revises wording to improve clarity.

D. Added language defines “trunk line” and “lateral.”

E. Added language to address the elevation requirements at the tie-in when a lateral pipe connects to the trunk line at a manhole.

F. Added language to address the elevation requirements at the tie-in when a lateral pipe connects to the trunk line via a wye junction.

G. Renumbered; item D is now item G.

H. Renumbered; item E is now item H. Revises wording to improve clarity.

I. Renumbered; item F is now item I. Revises wording to improve clarity.

J. Renumbered; item G is now item J. Revises wording to improve clarity.

K. Renumbered; item H is now item K.

L. Renumbered; item I is now item L. Revises wording to improve clarity.

5.3.1 – *Minimum Grades* – Wording has been added to clarify that a more frequent storm event can be used when necessary to demonstrate that the minimum required velocity is achieved.

5.3.2 – *Maximum Velocities* – Revises wording to improve clarity.

5.3.3 – Revises wording to achieve consistency in terms used in the DCM.

5.3.4 – Eliminates corrugated pipe from the table.

5.4.0 – *Flow in Storm Drains* – Revises wording to improve clarity.

5.4.2 – *Nomograph Method* – Deletes subsection 5.4.2 and existing Figures 5-1 – 5-9 because the use of nomographs to determine flow properties has been replaced by the use of computer programs.

5.5.0 – *Hydraulic Gradient* – Additional wording has been added to improve clarity and to stress the importance of using the best available information for calculating accurate hydraulic gradients of storm drain systems.

5.5.1 – *Friction Losses* – Eliminates the use of Table 5-3 for calculating full flow coefficients for circular concrete because the use of such tables has been replaced by the use of computer programs.

5.5.2 – *Minor Losses* – Replaces current methodology and head loss coefficients with expanded methodologies and sources of headloss coefficients for the improved calculation of minor head losses in storm drain systems.

Table 5-4 – Revised to provide a more comprehensive source of methodologies and coefficients for use in calculating minor head losses in storm drain systems.

5.5.3 – *Hydraulic Gradient Calculation* – Subsection 5.5.3 is eliminated as the use of tables for the calculation of hydraulic gradient has been replaced by the use of computer programs.

5.6.0 – *Manholes* – Revises manhole spacing requirements and clarifies criteria regarding manhole locations. Prohibits the use of inlets and outfalls as access points for maintenance of the storm drain trunk line.

TEXT OF PROPOSED RULE

A copy of the complete text of the proposed rule is available for public inspection and copying at the following locations. Copies may be purchased at the locations at a cost of ten cents per page:

Watershed Protection Department, located at 505 Barton Springs Road, Suite 1200, Austin, TX, 78704; and

Office of the City Clerk, City Hall, located at 301 West 2nd Street, Austin, Texas.

AUTHORITY FOR ADOPTION OF PROPOSED RULE

The authority and procedure for the adoption of a rule to assist in the implementation, administration, or enforcement of a provision of the City Code is established in Chapter 1-2 of the City Code. The authority to regulate dedication of drainage easements is established in Section 25-7-152 of the City Code; the authority to regulate design and construction of drainage facilities and improvements is established in Section 25-7-121 of the City Code.

CERTIFICATION BY CITY ATTORNEY

By signing this Notice of Rule Adoption R161-13.19, the City Attorney certifies that the City Attorney has reviewed the rule and finds that adoption of the rule is a valid exercise of the Director's administrative authority.

REVIEWED AND APPROVED

Victoria J. Li, P.E., Director
Watershed Protection Department

Date: _____

Karen M. Kennard
City Attorney

Date: _____