

RULE NO.: R161-21.21

POSTING DATE: July 22, 2021

NOTICE OF PROPOSED RULE

The Director of Watershed Protection Department proposes to adopt the following rule on or after August 23, 2021.

Comments on the proposed rule are requested from the public. Comments should be submitted to Kelly Strickler, at kelly.strickler@austintexas.gov or (512) 974-1845. To be considered, comments must be submitted before August 23, 2021, 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 by contacting Kelly Strickler at kelly.strickler@austintexas.gov or (512) 974-1845.

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 23, 2021 (the 32nd day after the date of this notice) or not after September 30, 2021 (the 70th day after the date of this notice).

If a proposed rule is not adopted on or before September 30, 2021, it is automatically withdrawn and cannot be adopted without first posting a new notice of a proposed rule.

TEXT OF PROPOSED RULE

The text of the proposed rule, indicating changes from the current text, is attached to this notice. Additionally, a copy of the complete text of the proposed rule is available for public inspection and copying at the following location: Office of the City Clerk, 301 W. 2nd Street, Austin, Texas.

BRIEF EXPLANATION OF PROPOSED RULE

R161-21.21: Modifies the Environmental Criteria Manual as follows:

- Environmental Criteria Manual – Section 1.6.5, *Design Guidelines for Sedimentation/Filtration Systems*
 - Removes requirement for PVC cleanouts to be installed every 50 feet within a water quality SCM and allows option for capping and burying

cleanouts beneath the filter media if no performance issues are observed during the 1-year warranty period after construction. Includes minor changes to clarify placement of cleanouts and underdrains within water quality SCMs.

- Environmental Criteria Manual – Section 1.6.7.C, Green Storm Water Quality Infrastructure, Biofiltration
 - Removes requirement for PVC cleanouts to be installed every 50 feet within a water quality SCM and allows option for capping and burying cleanouts beneath the filter media if no performance issues are observed during the 1-year warranty period after construction. Includes minor changes to clarify placement of cleanouts and underdrains within water quality SCMs.

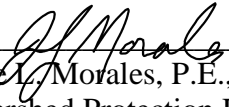
AUTHORITY FOR ADOPTION OF PROPOSED RULE

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 water quality is established in Chapter 25-8 of the City Code.

CERTIFICATION BY CITY ATTORNEY

By signing this Notice of Proposed Rule (R161-21.21), the City Attorney certifies the City Attorney has reviewed the rule and finds that adoption of the rule is a valid exercise of the Director's administrative authority.

REVIEW AND APPROVED



Jorge A. Morales, P.E., CFM, Director
Watershed Protection Department

Date: 07/20/2021



Anne Morgan
City Attorney

Date: 7/21/2021

This Notice of Proposed Rule was posted on the City website by the City Clerk. Date and time stamp is on the front of the notice.

Environmental Criteria Manual Section 1.6.5(A)(4) – Design Guidelines for Sedimentation/Filtration Systems

- Underdrain Piping. The underdrain piping consists of the main collector pipe(s) and perforated lateral branch pipes. The piping should be reinforced to withstand the weight of the overburden. Internal diameters of lateral branch pipes should be six (6) inches or greater and perforations should be three-eighths (3/8) inch. All piping is to be schedule 40 polyvinyl chloride (PVC) or greater strength. The maximum spacing for the laterals should be ten (10) feet between laterals and five (5) feet from a wall or side. Lesser spacings are acceptable. The maximum spacing between rows of perforations should not exceed six (6) inches.

The minimum grade of piping shall be one-eighth (1/8) inch per foot (one (1) percent slope) unless the piping is part of a saturated zone per ECM 1.6.7.H, in which case the minimum grade shall resume at the invert/flowline of the raised outlet pipe. Access for cleaning all underdrain piping is ~~needed~~ required. Cleanouts with a removable PVC cap are required within fifty (50) feet of every portion of lateral, at collector drain lines, and at the ends of laterals and at every bend outside the water quality SCM (cleanouts outside of SCM shall be set above the water quality elevation). In order to minimize damage to these cleanouts due to maintenance equipment, vandalism, and/or mowing, cleanouts may be permanently capped and set flush or just below the media bed after the 1-year warranty period if no drainage issues are observed. ~~set the top of the cleanout flush with the top of the sand bed.~~ At least one lateral must be accessible for cleaning when the pond is full. The full pond cleanout should extend above the water quality elevation and/or be located outside of the water quality volume ponding area. In order to minimize vandalism or other types of damage to this full pond cleanout the use of exposed piping shall be avoided or minimized.

Environmental Criteria Manual Section 1.6.7(C)(4)(B) – Biofiltration

Access must be provided for cleaning all underdrain piping. Cleanouts with a removable PVC cap are required within fifty (50) feet of every portion of lateral, at collector drain lines, and at the ends of laterals and at every bend outside the water quality SCM (cleanouts outside of the SCM shall be set above the water quality elevation). In order to minimize damage to these cleanouts due to maintenance equipment, vandalism, and/or mowing, cleanouts may be permanently capped and set flush or just below the media bed after the 1-year warranty period if no drainage issues are observed. ~~the top of the cleanout should be set flush with the top of the biofiltration medium bed or~~ Outside the water quality SCM, the top of the cleanout should be set flush with the top of the ground surface from which it emerges. ~~It is recommended that cleanouts be located outside of the water quality volume ponding area and above the water quality volume elevation when feasible to reduce short circuiting caused by loss or damage to the cleanout caps.~~ At least one lateral must be accessible for cleaning when the pond is full. The full pond cleanout must extend above the water quality elevation and/or be located outside of the water quality volume ponding area. In order to minimize vandalism or other types of damage the use of exposed piping shall be avoided or minimized.