

RULE NO.: R161-15.11

ADOPTION DATE: January 4, 2016

NOTICE OF RULE ADOPTION

By: Joseph G. Pantalion, P.E., Director
Watershed Protection Department

The Director of the Watershed Protection Department has adopted the following rule. Notice of the proposed rule was posted on October 6, 2015. Public comment on the proposed rule was solicited in the October 6, 2015 notice. This notice is issued under Chapter 1-2 of the City Code. The adoption of a rule may be appealed to the City Manager in accordance with Section 1-2-10 of the City Code as explained below.

A copy of the complete text of the adopted 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.

EFFECTIVE DATE OF ADOPTED RULE

A rule adopted by this notice is effective on January 4, 2016.

AUSTIN CITY CLERK
RECEIVED
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TEXT OF ADOPTED RULE

R161-15.11: Revisions and additions to the Drainage Criteria Manual Section 1.2, *City of Austin Drainage Policy*; Section 8.5, *Detention Basin Maintenance and Equipment Access Requirements*; and Appendix D, *Figures and Diagrams* as follows:

Drainage Criteria Manual Section 1.2.4.E (3c, 10, 12 & 16) – Drainage System

- Added references to new standard detail 662S series for standard pipe gate, pond maintenance access typical cross section, stormwater drainage facility sign. Updated item 12 to clarify maintenance requirements in ECM 1.6.3 apply to all SCMs.

Drainage Criteria Manual Section 8.5.0 – Detention Basin Maintenance and Equipment Access Requirements

- Updated references to clarify that DCM 1.2.4.E and ECM 1.6.2.E provide guidance for these requirements.

Drainage Criteria Manual Appendix D – Figures and Diagrams

- Figures 5-1 and 5-2 have been added to help determine the headloss coefficients as per Table 5-3
 - Figure 5-1 “Headloss Coefficient for Cases 2 and 7”
 - Figure 5-2 “Headloss Coefficient for Case 5”

CHANGES FROM PROPOSED RULE

DCM Appendix E, *Criteria for Establishing an Erosion Hazard Zone* has been removed from this rule.

LIST OF COMMENTS RECEIVED AND DEPARTMENT RESPONSES TO COMMENTS

The following written comments were received regarding the proposed R161-15.11:

Comment from Casey Giles

Comment: I do NOT agree with the extra erosion hazard zone on the outside of a bend. The whole idea behind the erosion hazard zone is to delineate where the meandering will possibly occur over time. If you have a straight creek, you might end up with a 100' area on each side where the creek will bend over time. The idea is that the bending is confined to that zone.....hence delineating it in the first place. To say that after it bends, it might then bend outside of the zone doesn't make sense. I don't think it's true. and if it IS true, then the first zone was not established correctly in the first place. if anything, the area outside an existing bend is LESS likely to erode out to the erosion hazard zone because it has already moved 75% of the way towards its ultimate maximum meandering.

Staff Response:

Removed this section (DCM Appendix E, *Establishing Criteria for Establishing an Erosion Hazard Zone*) from the adopted rule.

AUTHORITY FOR ADOPTION OF 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 design and construction of drainage facilities and improvements is established in Section 25-7-121 of the City Code.

APPEAL OF ADOPTED RULE TO CITY MANAGER

A person may appeal the adoption of a rule to the City Manager. **AN APPEAL MUST BE FILED WITH THE CITY CLERK NOT LATER THAN THE 30TH DAY AFTER THE DATE THIS NOTICE OF RULE ADOPTION IS POSTED. THE POSTING DATE IS NOTED ON THE FIRST PAGE OF THIS NOTICE.** If the 30th day is a Saturday, Sunday, or official city holiday, an appeal may be filed on the next day which is not a Saturday, Sunday, or official city holiday.

An adopted rule may be appealed by filing a written statement with the City Clerk. A person who appeals a rule must (1) provide the person's name, mailing address, and telephone number; (2) identify the rule being appealed; and (3) include a statement of specific reasons why the rule should be modified or withdrawn.

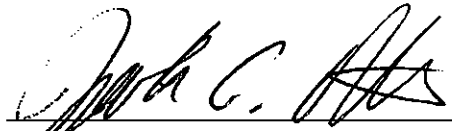
Notice that an appeal was filed and will be posted by the city clerk. A copy of the appeal will be provided to the City Council. An adopted rule will not be enforced pending the City Manager's decision. The City Manager may affirm, modify, or withdraw an adopted rule. If the City Manager does not act on an appeal on or before the 60th day after the date the notice of rule adoption is posted, the rule is withdrawn. Notice of the City Manager's decision on an appeal will be posted by the city clerk and provided to the City Council.

On or before the 16th day after the city clerk posts notice of the City Manager's decision, the City Manager may reconsider the decision on an appeal. Not later than the 31st day after giving written notice of an intent to reconsider, the City manager shall make a decision.

CERTIFICATION BY CITY ATTORNEY


By signing this Notice of Rule Adoption (R161-15.11), 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



Joseph G. Pantaloni, P.E., Director
Watershed Protection Department

Date: 12-10-15



Anne Morgan
City Attorney

Date: 12/18/15

Drainage Criteria Manual

1.2.4.E - Drainage System

3.

(c) Access/drainage easements and access drives are required for those detention, retention and water quality facilities for single-family or duplex residential development and/or for such facilities that will be maintained by the City. Access drives shall have a longitudinal slope not to exceed 15%, a transverse slope not to exceed 5%, no vertical grade break greater than 12%, no vertical curve with grade change greater than 1% per horizontal foot, a centerline turning radius of no less than 50 feet, and a minimum width of 12 feet. The access drive shall include a means for equipment to turn around when located more than 200 feet from a paved public roadway. Access drives shall be cleared, graded and stabilized with stones in accordance with Standard Detail 662S- 2, Pond Maintenance Road Typical Cross Section.

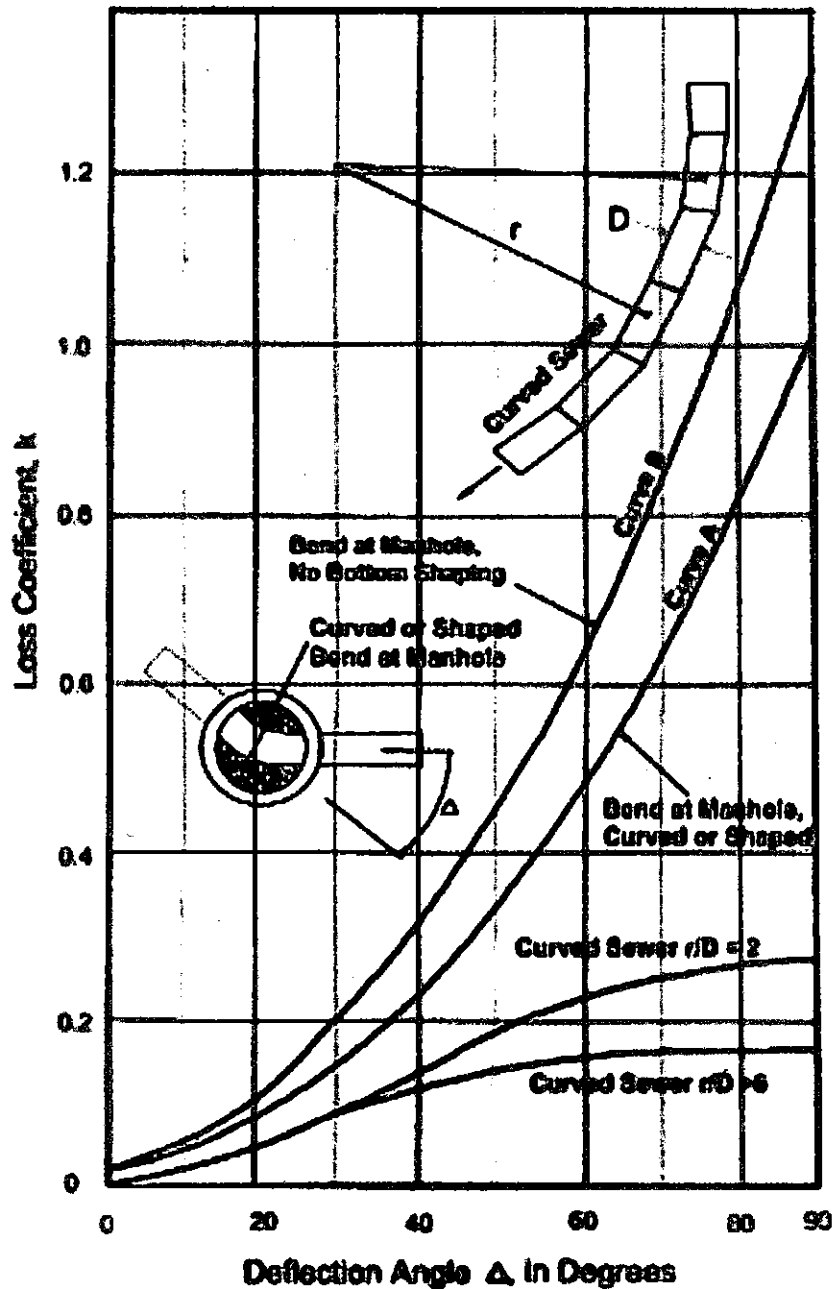
10. Points of access to water quality and detention facilities for single-family or duplex residential development and/or for such facilities that will be maintained by the City shall have a standard City of Austin Type II concrete driveway approach and curb cut on the abutting street. A pipe gate is required at the end of the driveway at the ROW limits in accordance with Standard Detail 662S-1, Pond Pipe Gate At Ramp Detail.

12. Environmental Criteria Manual Section 1.6.3 shall apply to all Stormwater Control Measures (SCMs), detention, and retention facilities and their appurtenances.

16. Signs are required on each side of a single-family residential, duplex residential, and/or City-maintained stormwater control measure—in accordance with Standard Detail 662S-3 – Storm Water Facility Sign.

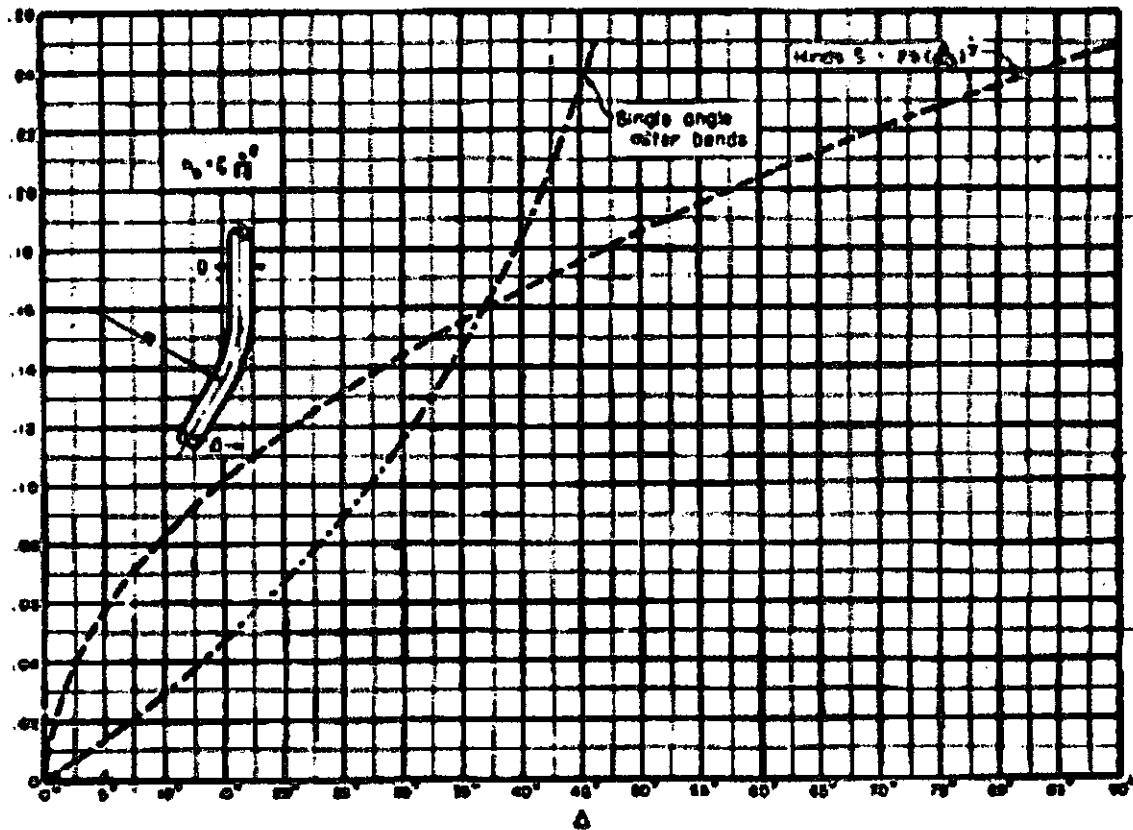
8.5.0 - DETENTION BASIN MAINTENANCE AND EQUIPMENT ACCESS REQUIREMENTS

Refer to Section 1.2.4. For subsurface ponds see Environmental Criteria Manual Section 1.6.2(E).



Headloss Coefficient for Cases 2 and 7
 Source: Urban Storm Drainage Criteria Manual
 Volume 1
 Urban Drainage and Flood Control District
 Denver, Colorado
 June 2001, Revised April 2008

Fig. 5-1



Headloss Coefficient for Case 5
 Source: Design of Small Canal Structures
 U.S. Bureau of Reclamation
 Denver, Colorado
 1978

Fig. 5-2