

- 1) licensing provisions or procedures;
- 2) waste disposal regulations;
- 2) water supply regulations;
- 4) building codes;
- 5) safety regulations;
- 6) regulations concerning the appropriation and use of Protected Waters as defined in Minn. Stat. Chap. 105; and
- 7) Applicable regulations of the Minnesota Environmental Quality Board.

Subd. 4 Final Plan. The final plan for a community unit plan shall not be modified, amended, repealed or otherwise altered unless approved in writing by the developer, the municipality and the Commissioner of Natural Resources.

Subd. 5 Centralized Shoreline Recreation Facilities. There are centralized shoreline recreation facilities such as beaches, docks and boat launching facilities.

1340.06 Variances and Conditional Uses.

Subd. 1 Notice to Commissioner, Variances. A copy of all notices of a public hearing to consider a variance to the provisions of the Shoreland Overlay District or a conditional use in the Shoreland Overlay District shall be sent to the Commissioner of Natural Resources such that the notice is received by the Commissioner at least ten (10) days prior to such hearings.

Subd. 2 Notice to Commissioner, Amendments. A copy of all amendments to this Chapter and final decisions granting variances or conditional uses within the Shoreland Overlay District shall be sent to the Commissioner of Natural Resources within ten (10) days of the amendment or final action.

Section 1350-Storm Water Management Ordinance

1350.01 Findings. The City of Circle Pines hereby finds that uncontrolled and inadequately planned use of wetlands, woodlands, natural habitat areas, areas subject to soil erosion and areas containing restrictive soils adversely affects the public health, safety and general welfare by impacting water quality and contributing to other environmental problems, creating nuisances, impairing other beneficial uses of environmental

resources and hindering the ability of the City of Circle Pines to provide adequate water, sewage, flood control, and other community services. In addition, extraordinary public expenditures may be required for the protection of persons and property in such areas and in areas which may be affected by unplanned land usage.

1350.02 Purpose. The purpose of this ordinance is to promote, preserve and enhance the natural resources within the City of Circle Pines and protect them from adverse effects occasioned by poorly sited development or incompatible activities by regulating land disturbing or development activities that would have an adverse and potentially irreversible impact on water quality and unique and fragile environmentally sensitive land; by minimizing conflicts and encouraging compatibility between land disturbing and development activities and water quality and environmentally sensitive lands; and by requiring detailed review standards and procedures for land disturbing or development activities proposed for such areas, thereby achieving a balance between urban growth and development and protection of water quality and natural areas.

1350.03 Scope and Effect.

Subd. 1 Applicability. Every applicant for a building permit, subdivision approval, or a permit to allow land disturbing activities must submit a storm water management plan to the City Administrator. No building permit, subdivision approval, or permit to allow land disturbing activities shall be issued until approval of the storm water management plan or a waiver of the approval requirement has been obtained in strict conformance with the provisions of this ordinance. The provisions of section 1350.06 of this ordinance apply to all land, public or private, located within the City of Circle Pines.

Subd. 2 Exemptions. The provisions of this ordinance do not apply to:

- a) Any part of a subdivision if a plat for the subdivision has been approved by the City Council on or before the effective date of this ordinance;
- b) Any land disturbing activity for which plans have been approved by Rice Creek Watershed District within six months prior to the effective date of this, ordinance;
- c) A lot for which a building permit has been approved on or before the effective date of this ordinance;
- d) Installation of fence, sign, telephone, and

electric poles and other kinds of posts or poles; or

- e) Land disturbing activity of 1 acre or less; or
- f) Emergency work to protect life, limb, or property.

Subd. 3 Waiver. The City Council upon recommendation of the Planning Commission, may waive any requirement of this ordinance upon making finding that compliance with the requirement will involve an unnecessary hardship and the waiver of such requirement will not adversely affect the standards and requirements set forth in Section 1350.06. The City Council may require as a condition of the waiver, such dedication or construction, or agreement to dedicate or construct as may be necessary to adequately meet said standards and requirements.

1350.04 Storm Water Management Plan Approval Procedures

Subd. 1 Application. A written application for storm water management plan approval, along with the proposed storm water management plan, shall be filed with City Administrator and shall include a statement indicating the grounds upon which the approval is requested and that the proposed use is permitted in the underlying zoning district, and adequate evidence showing that the proposed use will conform to the standards set forth in this ordinance. Prior to applying for approval of a storm water management plan, an applicant may have the storm water management plans reviewed by the city.

Two sets of clearly legible blue or black lined copies of drawings and required information shall be submitted to the City Administrator and shall be accompanied by a receipt evidencing the payment of all required fees for processing and approval as set forth in 1350.05 Subd. 5, and a bond when required by 1350.05 Subd. 4 in the amount to be calculated in accordance with that section. Drawings shall be prepared to a scale appropriate to the site of the project and suitable for the review to be performed. At a minimum the scale shall be 1 inch equals 100 feet.

Subd. 2 Storm Water Management Plan. At a minimum, the storm water management plan shall contain the following information.

- a) Existing site map. A map of existing site conditions showing the site and immediately adjacent areas, including:

- 1) The name and address of the applicant, the section, township and range, north point, date and scale of drawing and number of sheets;
- 2) Location of the tract by an insert map at a scale sufficient to clearly identify the location of the property and giving such information as the names and numbers of adjoining roads, railroads, utilities, subdivisions, towns and districts or other landmarks;
- 3) Existing topography with a contour interval appropriate to the topography of the land but in no case having a contour interval greater than 2 feet;
- 4) A delineation of all streams, rivers, public waters and wetlands located on and immediately adjacent to the site, including depth of water, a description of all vegetation which may be found in the water, a statement of general water quality and any classification given to the water body or wetland by the Minnesota Department of Natural Resources, the Minnesota Pollution Control Agency, and/or the United States Army Corps of Engineers;
- 5) Location and dimensions of existing storm water drainage systems and natural drainage patterns on and immediately adjacent to the site delineating in which direction and at what rate storm water is conveyed from the site, identifying the receiving stream, river, public water, or wetland, and setting forth those areas of the unaltered site where storm water collects;
- 6) A description of the soils of the site, including a map indicating soil types of areas to be disturbed as well as a soil report containing information on the suitability of the soils for the type of development proposed and for the type of sewage disposal proposed and describing any remedial steps to be taken by the developer to render the soils suitable;
- 7) Vegetative cover and clearly delineating any vegetation proposed for removal; and

- 8) 100-year floodplains, flood fringes and floodways.
- b) Site Construction Plan. A site construction plan including:
- 1) Locations and dimensions of all proposed land disturbing activities and any phasing of those activities;
 - 2) Locations and dimensions of all temporary soil or dirt stockpiles;
 - 3) Locations and dimensions of all construction site erosion control measures necessary to meet the requirements of this ordinance;
 - 4) Schedule of anticipated starting and completion date of each land disturbing activity including the installation of construction site erosion control measures needed to meet the requirements of this ordinance; and
 - 5) Provisions for maintenance of the construction site erosion control measures during construction.
- c) Plan of final site conditions. A plan of final site conditions on the same scale as the existing site map showing the site changes including:
- 1) Finished grading shown at contours at the same interval as provided above or as required to clearly indicate the relationship of proposed changes to existing topography and remaining features;
 - 2) A landscape plan, drawn to an appropriate scale, including dimensions and distances and the location, type, size and description of all proposed landscape materials which will be added to the site as part of the development;
 - 3) A drainage plan of the developed site delineating in which direction and at what rate storm water will be conveyed from the site and setting forth the areas of the site where storm water will be allowed to

collect;

- 4) The proposed size, alignment and intended use of any structures to be erected on the site;
- 5) A clear delineation and tabulation of all areas which shall be paved or surfaced, including a description of the surfacing material to be used; and
- 6) Any other information pertinent to the particular project which in the opinion of the applicant is necessary for the review of the project.

1350.05 Plan Review Process

Subd.1 Process. Storm water management plans meeting the requirements of 1350.03 shall be submitted to the Planning Commission for review in accordance with the standards of 1350.06. The Commission shall recommend approval, recommend approval with conditions, or recommend denial of the storm water management plan. Following Planning Commission action, the storm water management plan shall be submitted to the City Council at its next available meeting. City Council action on the storm water management plan must be accomplished within 120 days following the date the application for approval is filed with the City Administrator.

Subd. 2 Duration. Approval of a plan submitted under the provisions of this ordinance shall expire two years after the date of approval unless construction has commenced in accordance with the plan. However, if prior to the expiration of the approval, the applicant makes a written request to the City Administrator for an extension of time to commence construction setting forth the reasons for the requested extension, the City Council may grant one extension of not greater than one single year.

Subd. 3 Conditions. A storm water management plan may be approved subject to compliance with lawful conditions reasonable and necessary to insure that the requirements contained in this ordinance are met.

Subd. 4 Performance Bond. Prior to approval of any storm water management plan, the applicant shall submit an agreement to construct such required physical improvements, to dedicate property or easements, or to comply with such conditions as may have been agreed to. Such agreement shall be accompanied by a bond, if required, to cover the amount

of the established cost of complying with the agreement. The agreement and bond shall guarantee completion and compliance with conditions within a specific time, which time may be extended in accordance with 1350.04 Subd. 2.

The adequacy, conditions and acceptability of any agreement and bond shall be determined by the City Council or any official of the City of as may be designated by resolution of the City Council.

Subd. 5 Fees. All applications for storm water management plan approval shall be accompanied by an application fee of \$200.00, plus any anticipated review fees.

1350.06 **Approval Standards.** All storm water management plans must meet the standards contained in this section, unless otherwise approved by the City Council.

Subd. 1 Construction. Water pumped from the site shall be treated by temporary sedimentation basins, grit chambers, sand filters, upflow chambers, hydro-cyclones, swirl concentrators or other appropriate controls as appropriate. Water may not be discharged in a manner that causes erosion or flooding of the site or receiving channels or a wetland.

Subd. 2 Ongoing Requirements. All waste and unused building materials (including garbage, debris, cleaning wastes, wastewater, toxic materials or hazardous materials) shall be properly disposed of off-site and not allowed to be carried by runoff into a receiving channel or storm sewer system.

Subd. 3 Tracking. Each site shall have gravel construction entrances, access drives and parking areas of sufficient width and length to prevent sediment from being tracked onto public or private roadways. Any sediment reaching a public or private road shall be removed by street cleaning (not flushing) before the end of each workday.

Subd. 4 Drain Inlet Protection. All storm drain inlets shall be protected during construction until control measures are in place with a straw bale, silt fence or equivalent barrier meeting accepted design criteria, standards and specifications contained in the MPCA publication "Protecting Water Quality in Urban Areas."

Subd. 5 Site Erosion Control. The following criteria (a. through d.) apply only to construction activities that result in runoff leaving the site.

- a) Channelized runoff from adjacent areas passing through the site shall be diverted around disturbed areas, if practical. Otherwise, the channel shall be protected as described below. Sheetflow runoff from adjacent areas greater than 10,000 square feet in area shall also be diverted around disturbed areas, unless shown to have resultant runoff rates of less than 0.5 ft./sec. across the disturbed area for the one year storm. Diverted runoff shall be conveyed in a manner that will not erode the conveyance and receiving channels.
- b) All activities on the site shall be conducted in a logical sequence to minimize the area of bare soil exposed at any one time.
- c) Runoff from the entire disturbed area on the site shall be controlled by meeting either subsections 1 and 2 or 1 and 3.
 - 1) All disturbed ground left inactive for fourteen or more days shall be stabilized by seeding or sodding (only available prior to September 15) or by mulching or covering or other equivalent control measure.
 - 2) For sites with more than ten acres disturbed at one time, or if a channel

originates in the disturbed area, one or more temporary or permanent sedimentation basins shall be constructed. Each sedimentation basin shall have a surface area of at least one percent of the area draining to the basin and at least three feet of depth and constructed in accordance with accepted design specifications. Sediment shall be removed to maintain a depth of three feet. The basin discharge rate shall also be sufficiently low as to not cause erosion along the discharge channel or the receiving water.

- 3) For sites with less than ten acres disturbed at one time, silt fences, straw bales, or equivalent control measures shall be placed along all sideslope and downslope sides of the site. If a channel or area of concentrated runoff passes through the site, silt fences shall be placed along the channel edges to reduce sediment reaching the channel. The use of silt fences, straw bales, or equivalent control measures must include a maintenance and inspection schedule.
- d) Any soil or dirt storage piles containing more than ten cubic yards of material must not be located with a downslope drainage length of less than 25 feet from the toe of the pile to a roadway or drainage channel. If remaining for more than seven days, they shall be stabilized by mulching, vegetative cover, tarps, or other means. Erosion from piles which will be in existence for less than seven days shall be controlled by placing straw bales or silt fence barriers around the pile. In-street utility repair or construction soil or dirt storage piles located closer than 25 feet of a roadway or drainage channel must be covered with tarps or suitable alternative control, if exposed for more than seven days, and the stormdrain inlets must be protected with straw bale or other appropriate filtering barriers.

Subd. 6 Storm Water Management Criteria for
Permanent Facilities

- a) An applicant shall install or construct, on or for the proposed land disturbing or development activity, all storm water management facilities necessary to manage increased runoff so that the two-year, ten-year, and 100-year storm peak discharge rates existing before the proposed development shall not be increased and accelerated channel erosion will not occur as a result of the proposed land disturbing or development activity. An applicant may also make an in-kind or monetary contribution to the development and maintenance of community storm water management facilities designed to serve multiple land disturbing and development activities undertaken by one or more persons, including the applicant.
- b) The applicant shall comply with Rice Creek Watershed Requirements.
- c) A combination of successive practices may be used to achieve the applicable minimum control requirements specified in subsection (a) above. Justification shall be provided by the applicant for the method selected.

Subd. 7 Design standards. Storm water detention facilities constructed in the City of Circle Pines shall be designed according to the most current technology as reflected in the MPCA publication "Protecting Water Quality in Urban Areas", or successor publications and shall contain, at a minimum, the following design factors:

- a) A permanent pond surface area equal to two percent of the impervious area draining to the pond or one percent of the entire area draining to the pond, whichever amount is greater;
- b) An average permanent pool depth of four to ten feet;
- c) A permanent pool length - to - width ratio of

3:1 or greater;

- d) A minimum protective shelf extending ten feet into the permanent pool with a slope of 10: 1, beyond which slopes should not exceed 3:1;
- e) All storm water detention facilities shall have a device to keep oil, grease, and other floatable material from moving downstream as a result of normal operations;
- f) Storm water detention facilities for new development must be sufficient to limit peak flows in each subwatershed to those that existed before the development for the 10 year storm event. All calculations and hydrologic models/information used in determining peak flows shall be submitted along with the storm water management plan;
- g) All storm water detention facilities must have a forebay to remove coarse-grained particles prior to discharge into a watercourse or storage basin.

Subd. 8 Wetlands. All impacts on wetlands shall be in compliance with the Wetland Conservation Act.

Subd. 9 Steep Slopes. No land disturbing or development activities shall be allowed on slopes of 18 percent or more.

Subd. 10 Catch Basins. All newly installed and rehabilitated catch basins shall be provided with a sump area for the collection of coarse-grained material. Such basins shall be cleaned when they are half filled with material.

Subd. 11 Drain Leaders. All newly constructed and reconstructed buildings will route drain leaders to pervious areas wherein the runoff can be allowed to infiltrate. The flow rate of water exiting the leaders shall be controlled so no erosion occurs in the pervious areas.

Subd. 12 Inspection and Maintenance. All storm water management facilities shall be designed to minimize the need of maintenance, to provide access for maintenance purposes

and to be structurally sound. It shall be the responsibility of the applicant to obtain any necessary easements or other property interests to allow access to the storm water management facilities for inspection and maintenance purposes.

Subd.13 Models/Methodologies/Computations. Hydrologic models and design methodologies used for the determination of runoff and analysis of storm water management structures shall be as approved by the City Administrator. Plans, specification and computations for storm water management facilities submitted for review shall be sealed and signed by a registered professional engineer. All computations shall appear on the plans submitted for review, unless otherwise approved by the City Administrator.

Subd. 14 Watershed Management Plans/Groundwater Management Plans. Storm water management plans shall be consistent with adopted watershed management plans and groundwater management plans prepared in accordance with Minnesota Statutes section 103B.231 and 103B.255 respectively, and as approved by the Minnesota Board of Water and Soil Resources in accordance with state law.

Subd. 15 Easements. If a storm water management plan involves direction of some or all runoff off of the site, it shall be the responsibility of the applicant to obtain from adjacent property owners any necessary easements or other property interests concerning flowage of water.

1350.07 Penalty. Any person, firm or corporation violating any provision of this ordinance shall be fined not less than five dollars nor more than five hundred dollars for each offense, and a separate offense shall be deemed committed on each day during or on which a violation occurs or continues.

1350.08 Other Controls. In the event of any conflict between the provisions of this ordinance and the provisions of an erosion control or shoreland protection ordinance adopted by the City Council the more restrictive standard prevails.

1350.09 Severability. The provisions of this ordinance are severable. If any provision of this ordinance or the application thereof to any person or circumstance is held invalid, such invalidity shall not affect other provisions or applications of this ordinance which can be given effect without the invalid provision or application.