



Checklist

Project:
Approved:

Grading and Drainage Permit Class 3

CITY CODE Appendix D: Storm Water Control; Article II.; Division 2; Sec. 2-10 (and others as listed)

- 1) Name(s), address(es) and telephone numbers of the owner and developer of the site, the contractor(s) and any consulting firm retained by the applicant.
(2) Certification that any land clearing, construction, or development involving the movement of earth shall be in accordance with the plans approved upon issuance of the permit.
(3) A \$10 application fee.
(4) A faithful performance bond or bonds, letter of credit, or other improvement security satisfactory to the city attorney of the city of Rock Island in an amount deemed sufficient by the public works director to cover all costs of improvements, landscaping, maintenance of improvements and landscaping, and soil erosion and sediment control measures for such period as specified by the public works department and engineering and inspection costs to cover the cost of failure or repair of improvements installed on the site on a form acceptable to the public works director. (See sample in article VI of this appendix.) Upon satisfactory completion of the improvements, the documented security would be void.
a. Cost Opinion for stormwater and landscaping improvements and soil erosion and sediment control measures as described in item 4.
(5) The following information shall be submitted for both existing and proposed property conditions for all applicable developments: a topographic survey of the property at two foot (2') contours (or 1 foot contours for relatively flat areas where additional detail will be required to see drainage designs) unless otherwise specified or approved by the public works director keyed to a consistent datum specified by the public works director; and an existing drainage and proposed drainage plan for the property and one hundred feet (100') surrounding the property at a scale of not more than one hundred feet (100') to one inch (1"), and including the following (unless otherwise specified by the public works director):
a. Property boundary, dimensions, and approximate acreage.
b. Building setback lines.
c. All existing and proposed structures and sizes.
d. Square feet of existing and proposed impervious surface.
e. All existing, or proposed easements.
f. All existing, abandoned, or proposed water or monitoring wellhead locations.
g. All existing, abandoned, or proposed water mains.
h. All sanitary or combined sewer lines and septic systems.
i. The banks and centerline of streams and channels.
j. Shoreline of lakes, ponds, and detention basins with normal water level elevation.
k. Farm drains and tiles.
l. Location, size and slope of storm water conduits and drainage swales.
m. Detention facilities. (including 100 yr water elevations & elevation-area-volume tables)
n. Roads, streets and associated storm water inlets including finished grades.
o. Base flood elevation, flood fringe, and regulatory floodway.
p. A vicinity map showing the relationship of the site to its general surroundings at a scale of not less than two thousand feet (2,000') to one inch (1").
q. Title, scale, north arrow, legend, seal of licensed professional engineer, date, & name of person preparing plans.
r. Subwatershed boundaries within the property.
s. Abandoned mines.

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- t. Soil classifications.
  
- (6) The following certifications and design statements shall be provided:
  - a. Basis of design for the final drainage system components.
  - b. A statement giving any applicable engineering assumptions and calculations.
  - c. A statement by the design engineer of the drainage system's provision for handling events greater than the 100-year, 24-hour runoff.
  - d. Design calculations and other submittals as required by this appendix.
  - e. A statement of certification of all drainage plans, calculations, and supporting data by a licensed professional engineer.
  
- (7) A depiction of environmental features of the property and immediate vicinity including the following:
  - a. The limits of designated regulatory and nonregulatory wetland areas.
  - b. The location of trees greater than eight inches (8") in diameter in areas to be disturbed.
  - c. Any designated natural areas or prime farmland.
  - d. Any proposed environmental mitigation features.
  
- (8) Any and all local, state or federal maps marked to reflect any proposed change in the floodway delineation, base flood, or 100-year frequency flood elevation will change due to the proposed project.
  
- (9) Conditional approval by FEMA or other regulatory agencies of the proposed changes in the floodway map that have been made if the floodway delineation, base flood, or 100-year frequency flood elevation will change due to the proposed project.
  
- (10) Engineering calculations and data supporting all proposed plans. Hydrologic design shall be completed in accordance with article III, division 2 hydrologic design criteria of this appendix. Detention system design shall be completed in accordance with article III, division 3, "Detention System Design Criteria", of this appendix.
  
- (11) If the project involves channel modification, the following information shall be submitted:
  - a. A discussion of the purpose and need for the proposed work.
  - b. Discussion of the practicability of using alternative locations or methods to accomplish the purpose of the proposed work.
  - c. Analysis of the impacts of the proposed project, considering cumulative effects on the physical and biological conditions of the body of water affected.
  - d. Additional information as required by this appendix.
  
- (12) Storm water pollution prevention plan (SWP3) prepared in accordance with article IV of this appendix. (Ord. 33-2004, § 1, 3-22-2004 Article IV).
  
- (13) A maintenance plan for the ongoing maintenance of all storm water management system components including wetlands is required prior to plan approval.
  - a. Maintenance tasks.
  - b. The party responsible for performing the maintenance tasks.
  - c. A description of all permanent public or private access maintenance easements and overland flow paths, and compensatory storage areas.
  - d. A description of dedicated sources of funding for the required maintenance.

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(Ord. 33-2004, § 1, 3-22-2004, Section 3-18).

- (14) All required federal, state, etc. permits must be obtained and submitted prior to issuance of the grading and drainage permit. Example permitting agencies: IEPA ( NPDES NOI), Corps, IDNR, IHPA, etc.  
(Ord. 33-2004, § 1, 3-22-2004, Section 2-12).
- (15) The overland flow path that will pass the 100 yr - 24 hr event with 1' of freeboard is in a drainage easement unless the flow path is in the ROW. (Ord. 33-2004, § 1, 3-22-2004, Section 3-15).
- (16) The detention basin in a platted lot dedicated for drainage purposes for new construction or a drainage easement for redevelopment. (Ord. 33-2004, § 1, 3-22-2004, Section 3-26).
- (17) The detention basin has a minimum of 2% slope across the bottom.  
(Ord. 33-2004, § 1, 3-22-2004, Section 3-28).

**An as constructed survey of the detention pond volume, inlet, outlet, and over flow structures and all other storm water improvements is required for permit closeout. If the basin dimensions do not match the approved calculations, as constructed storm water calculations are required.**