

SECTION 101 - GENERAL PROVISIONS

- 101.1 SCOPE
- 101.2 AUTHORITY
- 101.3 INTERPRETATIONS
- 101.4 APPEALS
- 101.5 VARIANCES
- 101.6 AMENDMENTS AND REVISIONS
 - 101.6.1 Notices
- 101.7 PERMITS REQUIRED
 - 101.7.1 Grading Permit
 - 101.7.2 NPDES Stormwater Permit
 - 101.7.3 "404" Permit
 - 101.7.4 Floodplain Development Permit
- 101.8 COORDINATION WITH OTHER JURISDICTIONS
- 101.9 COORDINATION WITH TRANSPORTATION FACILITIES & UTILITIES
- 101.10 COMMUNICATIONS AND CORRESPONDENCE
- 101.11 PLAN REVIEW AND SUBMITTAL PROCEDURES
- 101.12 CONSTRUCTION REQUIREMENTS
 - 101.12.1 Subdivisions
 - 101.12.2 Grading and Building Permits
- 101.13 OWNERSHIP AND MAINTENANCE
 - 101.13.1 Improvements on Public Right-Of-Way
 - 101.13.2 Improvements on Private Property

SECTION 101 - GENERAL PROVISIONS

101.1 SCOPE

These design standards set forth the minimum requirements for design of storm drainage facilities on public right-of-way and private property in the unincorporated areas of Greene County, Missouri.

These standards shall apply to all subdivisions for which preliminary plats approved after the date of passage by the County Commission, or building permit submittals, or grading permit applications which are received after the date of passage by the County Commission.

101.2 AUTHORITY

The design criteria and standards set forth herein have been adopted by the Greene County Planning Board and Greene County Commission in accordance with the procedures and authority set forth in the Greene County Zoning Regulations and Greene County Subdivision Regulations.

Any development or grading which does not comply with the requirements set forth herein shall be deemed to be in violation of the applicable regulations and shall be subject to enforcement measures and penalties set forth in the applicable regulations.

101.3 INTERPRETATIONS

Where any of the provisions contained herein may be unclear or ambiguous as they pertain to a particular site or situation, interpretations of the policies, criteria, and standards set forth herein shall be made in writing by the Greene County Stormwater Engineer.

101.4 APPEALS

Where disagreements may arise over the interpretation of the requirements set forth herein by the Stormwater Engineer, appeals may be made in accordance with procedures established by the Zoning Regulations, Subdivision Regulations, or Building Regulations, as applicable.

101.5 VARIANCES

In the event that compliance with the standards and criteria set forth herein is not practical or feasible and reasonable alternative measures can be proposed, application for a variance can be made. Variance requests must meet the criteria set forth in the Greene County Zoning Regulations or Greene County Subdivision Regulations, as applicable.

Requests for variances shall be made in writing to the Planning Director and shall be considered in accordance with the procedures set forth in the Greene County Zoning Regulations or Greene County Subdivision Regulations, as applicable.

101.6 AMENDMENTS AND REVISIONS

By the first day of February of each year the Stormwater Engineer shall issue any updates or interpretations which have been made during previous calendar year.

At least every fifth year the Design Standards shall be reviewed, and any revisions shall be forwarded to the Planning Board and County Commission for adoption.

101.6.1 Notices

Persons, firms, or agencies wishing to be notified of revisions or updates in these standards shall notify the Planning & Zoning Department in order to be placed on the mailing list.

101.7 PERMITS REQUIRED

101.7.1 Grading Permit

Storm drainage facilities shall not be constructed or altered without review and approval of plans by the Stormwater Engineer and issuance of a Grading Permit, as provided in Article IV, Section 27 of the Zoning Regulations. Storm drainage facilities on public right-of-way must also be approved by the County Highway Administrator. The procedure for obtaining a grading permit is outlined in Section 114.3.2.

101.7.2 National Pollutant Discharge Elimination System (NPDES) Stormwater Permit

Provisions of the 1987 Clean Water Act require that certain stormwater discharges obtain an NPDES Stormwater Permit. In Missouri, these permits are administered by the Missouri Department of Natural Resources.

Federal rules for NPDES stormwater discharges are contained in 40 CFR Parts 122, 123, and 124 of the Code of Federal Regulations.

State NPDES stormwater regulations are contained in 10 CSR 20-6.200 of the Code of State Regulations.

NPDES stormwater permits are required for land disturbance activities when five acres (5) or more are disturbed. See Section 114.4.1 for permitting procedures for sites requiring an NPDES land disturbance permit.

101.7.3 "404" Permit

For certain activities which involve the discharge of dredged or fill materials into the waters of the United States, a Department of the Army permit may be required as set forth in Section 404 of the Clean Water Act. Rules for "404" permits are contained in 33 CFR Parts 320 through 330 of the Code of Federal Regulations.

Determination of applicability for Section 404 requirements are generally made by the Little Rock District office of the Corps of Engineers for the James River and its tributaries which are located within the White River drainage basin, and the Kansas City District office of the Corps of Engineers for the Sac, Little Sac, Pomme de Terre rivers and their tributaries which are located in the Missouri River drainage basin.

Questions regarding Department of the Army Permits for the James River and tributaries may be directed to:

Northwest Regional Field Office
Little Rock District
U.S. Army Corps of Engineers
4600 State Highway 65, Suite A
Branson, MO 65616
Phone: 501-324-6017

Questions regarding Department of the Army Permits for the Sac, Little Sac, and Pomme de Terre Rivers and their tributaries may be directed to:

Kansas City District
U.S. Army Corps of Engineers
700 Federal Building
601 E 12th
Kansas City, MO 64106
Phone: 816-983-3670

101.7.4 Floodplain Development Permit

Greene County participates in the National Flood Insurance Program (NFIP). A Floodplain Development Permit must be obtained from the County for any development within floodplain areas designated on the Flood Insurance Rate Maps (FIRM) for Greene County, Missouri. Alteration of floodplains or floodways must be done in compliance with the provisions of Article XIX "Flood Plain Management Ordinance" of the Zoning Regulations which was adopted as a condition for participation in the NFIP.

Changes in flood hazard area or floodway boundaries require approval of the Federal Emergency Management Agency (FEMA). Alterations of floodways can be made only with approval of FEMA.

Questions regarding floodplain requirements may be directed to the Stormwater Engineer, to FEMA, or to the State Emergency Management Agency (SEMA) at the following addresses:

Federal Emergency Management Agency, Region VII
2323 Grand Boulevard, Suite 900
Kansas City, MO 64108
Phone: 816-283-7031

State of Missouri
Emergency Management Agency
P. O. Box 116
Jefferson City, MO 65102
Phone: 573-526-9141

101.8 COORDINATION WITH OTHER JURISDICTIONS

Where proposed storm drainage facilities are located on property adjoining other local government jurisdictions, design of storm drainage facilities shall include provisions to receive or discharge storm water in accordance with the requirements of the adjoining jurisdiction, in addition to meeting Greene County requirements.

In these cases two (2) additional sets of plans shall be submitted and will be forwarded to the

adjoining jurisdiction for review and comment.

101.9 COORDINATION WITH TRANSPORTATION FACILITIES & UTILITIES

Planning and design of proposed storm drainage facilities must be compatible with proposed or existing utilities, highways, streets, roads, railroads, and other public facilities.

Where other public facilities may be affected by proposed storm drainage facilities, plans for storm drainage facilities shall be forwarded to the appropriate agency for review and comment.

No grading or construction of storm drainage facilities may commence without prior notification of the Missouri One Call utility warning system at 1-800-DIG-RITE, as required by State law.

101.10 COMMUNICATIONS AND CORRESPONDENCE

Communications and correspondence regarding stormwater plan review, policies, design standards, criteria, or drainage complaints shall be directed to the Greene County Stormwater Engineer at the Greene County Planning Department, 940 Boonville Avenue, Springfield, Missouri 65802, Phone:417-868-4005.

101.11 PLAN REVIEW & SUBMITTAL PROCEDURES

Plan review and submittal procedures set forth in these standards amend and replace the policy adopted by Order PZ-90 of the Greene County Commission, dated October 1, 1990.

Plan review and submittal procedures are set forth in Section 103.

101.12 CONSTRUCTION REQUIREMENTS

101.12.1 Subdivisions

A. Pre-Construction Conference

A pre-construction conference shall be held prior to beginning any construction. The developer or his representative shall schedule the pre-construction conference contacting the Greene County Highway Department at 417-831-3591.

The developer, engineer, and contractor, or their authorized representative(s) shall attend the conference.

B. Inspections

Periodic inspections will be made of the construction of stormwater improvements and facilities for sediment and erosion control throughout the construction period.

Special inspections are required at the following times:

- 1) After installation of initial sediment controls.
- 2) Prior to paving.
- 3) After placement of reinforcing steel and prior to placement of concrete for any reinforced concrete structure.
- 4) After placement of riprap, before grout is applied.

C. Final Inspection and Acceptance of Improvements

After all storm drainage improvements are constructed, the consultant shall perform as-built surveys and prepare as-built drawings in accordance with the requirements of Section 103. As-built drawings shall be submitted to the Stormwater Engineer.

Upon receipt of the as-built drawings, the Stormwater Engineer will review the same for conformity with the plans and will, along with a representative of the County Highway Department, conduct a field inspection of the completed storm drainage improvements in the presence of the developer and/or his authorized representative.

The developer will be notified in writing of any deficiencies discovered during review of the as-built drawings or field inspection.

Upon correction of the noted deficiencies, the developer shall notify the Stormwater Engineer and schedule a field follow-up inspection. When all deficiencies have been corrected, the consultant shall submit one (1) set of as-built drawings and a digital electronic copy of the same, in the format required by the Planning Department.

Stormwater Engineer and Highway Administrator shall acknowledge approval of the as-built drawings by signature on the drawings, and the as-built drawings shall be placed on file at the Greene County Highway Department.

After approval of the improvements, the Planning Director and Highway Administrator shall notify the County Commission in writing that the improvements on public right-of-way are complete and ready for acceptance for maintenance by the County.

101.12.2 Grading & Building Permits

A. Pre-Construction Conference

A pre-construction conference may be required by the Stormwater Engineer if warranted by the scope of construction. The developer shall contact the Stormwater Engineer to set a time and

location for the conference. The Stormwater Engineer will notify interested parties.

B. Inspection

Inspection of sediment and erosion control measures and storm drainage facilities located on private property will be made by the Greene County Resource Management Department as set forth in Section 101.12.1.B.

C. Final Inspection and Approval of Improvements

Final inspection and approval of storm drainage improvements shall be done as set forth in Section 101.12.1.C with the exception that a representative of the County Highway Department need not be present for the final inspection, unless storm drainage improvements on public right-of-way are involved.

For Building Permits, occupancy permits shall not be issued until as-built drawings are approved and construction of required storm drainage improvements is approved.

For sites involving grading only, release of cash bond will be done as set forth in Section 114.3.4.

101.13 OWNERSHIP AND MAINTENANCE

101.13.1 Improvements on Public Road Right-of-Way

Storm drainage improvements on public right-of-way shall, upon acceptance of the improvements by the County Commission, become the property of Greene County and shall be maintained by the Greene County Highway Department.

101.13.2 Improvements on Private Property

Storm drainage improvements on private property shall be maintained by the owner of the lot upon which the improvements are located, or by the subdivision Homeowners' Association for improvements located in common areas.

All such improvements which serve a drainage area of five (5) acres or more in the A-1, Agriculture and A-R, Agriculture Residence zoning districts or two (2) acres or more in all other zoning districts, shall be located in drainage easements as defined in the Zoning Regulations and Subdivision Regulations and the public shall have such rights of access to repair or maintain such facilities as set forth in the Zoning Regulations.

m:\data\wp51\storm2\swregs\section 101.wpd