



## Prairie Township Zoning Office

25 Maple Drive  
Columbus, Ohio 43228

(614) 878-3317 ext 103

(614) 878-0566 Fax

www.prairietownship.org

## DRAINAGE REQUIREMENTS

All drainage plan review submittals shall be in accordance with the following Prairie Township requirements.

1. One copy of the submittal including all plans, specifications, stormwater management plans and report, storm sewer calculations, proposed improvements, and existing infrastructure shall be submitted to the Prairie Township Zoning Department. In addition, current pdf files of the plans, calculations and stormwater management report shall be provided on a CD with each submittal.
2. Storm water design shall be per the Franklin County Stormwater Drainage Manual (current edition) or the City of Columbus Stormwater Drainage Manual (current edition) requirements. The report shall indicate which requirements are being used. No storm water variances from these requirements shall be permitted by Prairie Township.
3. Sites lying within the Big Darby Creek watershed shall also be subject to the requirements of the Big Darby Accord and the Ohio EPA's National Pollutant Discharge Elimination System (NDPES) General Permit Authorization for Storm Water Discharges Associated with Construction Activity Located within the Big Darby Creek Watershed. The General Permit requires sampling and analysis of stormwater discharges during construction under certain conditions. The applicant shall refer to Ohio EPA's General Permit for applicability and specific permit requirements. The applicant may also be required to implement post-construction stormwater monitoring. Details of the required monitoring are included in Appendix H of the City of Columbus Stormwater Drainage Manual.
4. New development or the redevelopment of sites disturbing less than one acre shall demonstrate conveyance of surface water to an adequate outlet, having sufficient capacity to accommodate the runoff. The outlet(s) may consist of a ditch, stream, storm sewer, retention/detention basin, etc. The applicant shall submit evidence indicating the adequacy of the outlet(s) to and through the first offsite drainage structure (at a minimum). The Engineer shall review and determine the adequacy of the outlet and reserves the right to require the outlet(s) to be cleaned, reconstructed and/or replaced as deemed necessary.
5. Land disturbance activities which disturb over 1000 square feet shall be required to first obtain a Land Disturbance Permit from Prairie Township. A permit shall not be required for activities involving only fill used for topsoil dressing, fill deposited at a licensed landfill site or for any lands for which a valid building permit has been issued. The applicant shall refer to the Prairie Township's Land Disturbance Regulations for additional information and requirements.
6. The plans, at minimum, shall:
  - a) Be to scale.
  - b) Show a legend identifying the various components.
  - c) Show the designer's information such as the firm's Name, address, contact name, email address, telephone & fax numbers.
  - d) Show the Owner's name, contact, address, email address, telephone & fax numbers.
  - e) Be signed, sealed, and dated by a Professional Engineer licensed in the State of Ohio.
  - f) Show the Project's title.
  - g) List and identify existing bench marks (elevation & description). Elevations and bench marks shall be referenced to U.S.G.S. datum above mean sea level. Assumed elevations are not permitted as basis for design without prior authorization.
  - h) Note that the project lies within the Big Darby Watershed (if applicable).

- i) Specify that all work shall be governed by the current State of Ohio Department of Transportation Construction and Materials Specification together with the requirements of Prairie Township and identify any other applicable requirements.
  - j) List the applicable Standard Drawings.
  - k) Include and Index of Sheets.
  - l) Show a location/index map of the project. With north arrow.
  - m) Show a Site Data table including the total site area, building square footage(s), and the total impervious and total pervious areas.
  - n) Include a revision table/block.
  - o) List all applicable General notes.
- p) Show three signature lines for the Fire Prevention Officer, Zoning Officer, and Drainage Review. The following note must precede these signature lines:

Signatures below signify only general concurrence with general purpose and general location of the project. All technical details remain the responsibility of the engineer preparing the plans.

7. Site dimension and grading plans must include the following information.

- a) Number of parking spaces available and required; aisles (as required in Article 11 of the Prairie Township Zoning Resolution); routing for emergency vehicles; etc.
- b) Legend of proposed line types, symbols, etc.
- c) Existing and proposed elevations including top of pavement, top of curb, sidewalks, ditches/swales and property line tie-in points as applicable. Contours shall be a maximum of 1-foot contours.
- d) Landscape mounding contours, if applicable.
- e) Show and label all types of curbs (straight, curb and gutter, etc.).
- f) Proposed sidewalks and/or multi-use paths including all handicap ramps.
- g) Entrance drive configurations and widths.
- h) Pavement composition details.
- i) North arrow and scale.
- j) Existing and proposed utilities (surface and subsurface).
- k) Ditch typical sections, if applicable.
- l) Existing storm sewer information including, at minimum, size, slope, material, and elevations of inverts and top of castings.
- m) Proposed storm sewer information including, at minimum, size (min. 8"), slope, material, typical trench detail, and elevations of inverts, top of casting, rock channel protection, orifice plate details, etc.
- n) Proposed structure types.
- o) Backfill specifications (within public right-of-way or on adjacent properties).
- p) Required and available or provided ponding on the plans in cubic feet. Ponding should not exceed 1-foot in depth on paved driveways and parking areas. See Prairie Township Zoning Regulations for specific Ponding Areas Design Requirements.
- q) Storm water routing for 100-year storm discharge.
- r) FEMA designated floodway and 100-year flood plain limits, if applicable.
- s) Adjacent property owners, lot numbers and road names.
- t) Show and label high voltage power lines and/or associated easements. Provide evidence the utility company is in approval of the proposed work within their easement.
- u) First floor elevations of buildings in the immediate vicinity of the work, or those that may be affected by ponding or drainage considerations.
- v) Address, as applicable, proposed work on existing utilities and work within the public right-of-way, including traffic maintenance.
- w) Show and label all existing or proposed drainage easements including conveyance instrument numbers.
- x) For proposed improvements to existing Township/County/State roadways, detail any shoulder and ditch improvements.
- y) Any other information, in the opinion of the designer, as required in order to evaluate the proposed project.

8. Erosion Control plans must include the following information.
  - a) Construction entrance location and configuration.
  - b) Inlet protection locations.
  - c) Silt fence locations.
  - d) Check dam locations.
  - e) Standards details for inlet protection, silt fence, construction entrance, etc.
  - f) Area of disturbance, receiving stream information, and onsite contact (name and phone number) responsible for maintenance of erosion control measures.
  - g) Sequence of construction.
  - h) Major flood routing path (designated with arrows defined on legend).
9. If final plan resubmittal, written response included that addresses previous comments and identifies additions/deletions made to plans since previous submittal
10. Copies of approved environmental documents, Big Darby Accord, Army Corps of Engineers permits, ODNR permits and other permits submitted before final plan approval
11. OEPA Storm water NOI submitted before final plans approval

Plans not meeting any of the above listed requirements will be considered incomplete and returned to the designer/applicant for re-submission. This may cause delays which cannot be avoided unless complete plans are received. Drainage reviews will be performed within 14 days from the date the plans are submitted to Prairie Township.

Please call the Prairie Township Zoning Department at 614-878-3317 ext. 103 if you have any questions.

Deposit Amount \_\_\_\_\_