

Township of Springfield
CODE ENFORCEMENT DEPARTMENT
50 POWELL ROAD · SPRINGFIELD, PA. 19064

Permit Fee _____ Permit No. _____ Validated _____
Date Issued _____

STORMWATER MANAGEMENT PERMIT APPLICATION

Application is hereby made for review of the SWM Site Plan and related data as submitted herewith in accordance with the Springfield Township Stormwater Management Ordinance.

PLANS – Two (2) sets of plans are required at time of submission

1. Application Type:

SIMPLIFIED PLAN

FULL PLAN

New/Replacement Impervious Coverage
(between 500 square feet and 999 square feet)

New/Replacement Impervious Coverage (1000+
square feet)

_____ square feet

_____ square feet

Limit of Disturbance (between 5,000 square feet
and 1 acre)

Limit of Disturbance (1+ acre)

_____ square feet

_____ acres

2. Project Name: _____

Property Address/location for Grading Permit: _____

Parcel Number: _____

Street Number: _____ Street Name: _____

City: _____ State: _____ Zip: _____

3. Applicant Name: _____

Applicant Address:

Street Number: _____ Street Name: _____

City: _____ State: _____ Zip: _____

Applicant Telephone: _____

4. Property Owner Name: _____

Owner Address:

Street Number: _____ Street Name: _____

City: _____ State: _____ Zip: _____

Owner Telephone Number: _____

5. Registered Engineer Name: _____

6. Contractor Name: _____

PROJECT INFORMATION:

1. Total Area (acres or square feet): _____

2. Purpose or Intent of Land Disturbance: _____

3. Other Properties: Does work back up or discharge water on or affect any other property in any way?

YES _____ NO _____

If yes, note property addresses affected and to what extent: _____

4. Schedule of Work: Start Date: _____ Completion Date: _____

PERMIT TERMS AND CONDITIONS:

1. I agree that I will comply with all Ordinances, laws and Township policies regulating grading, land disturbance, erosion/sedimentation control, and storm water management.
2. I agree to allow access to said activities for inspection by Township of Springfield Code Officer and Engineer.
3. All erosion/sedimentation control measures will be installed before land disturbance activities begin and be properly maintained throughout the grading/land disturbing activities. I further agree to add any additional erosion/sedimentation control measures as requested by Springfield Township.
4. I agree that I will be responsible for any damage to any utilities, public right-of-way and city streets caused by this work.
5. PERMIT FEE COVERS ONE (1) HOUR ENGINEER REVIEW TIME, ONE(1) SITE VISIT BY CODE OFFICER AND ADMINISTRATIVE COSTS. I AGREE TO PAY FOR ADDITIONAL ENGINEERING REVIEW FEES AND SITE VISITS AS REQUIRED.

Signature of Applicant
Or Responsible Party: _____

Date: _____

TOWNSHIP OF SPRINGFIELD
50 POWELL ROAD
SPRINGFIELD, PA 19064
610-544-1300

EXCAVATION AND FILLING OF GROUND PERMIT APPLICATION

Address: _____

Proposed work and materials used: _____

Disturbed Area: _____ Ft² (If greater than 21,780 Ft², \$10,000 Bond Required)

Applicant is: Property Owner Contractor

Name: _____

Address: _____

Phone: _____ Fax: _____

§ 39-3. Permit required.

- A. It shall be unlawful for any person, firm or corporation to pave, fill, strip, grade or regrade any land within the Township of Springfield without first securing a permit as hereunder provided.
- B. It shall be unlawful for any person, firm or corporation to disturb, modify, block, divert or affect the natural overland or subsurface flow of stormwater within the Township of Springfield without first securing a permit as hereunder provided.
- C. It shall be unlawful for any person, firm or corporation to construct, erect or install any drainage dam, ditch, culvert, drain pipe, bridge or any other structure or obstruction affecting the drainage of any premises in the Township of Springfield without first securing a permit as hereunder provided.

§ 39-4. Application for permit.

- A. Any person, firm or corporation proposing to engage in an activity requiring a permit shall apply for a permit by written application on a form furnished by the Township of Springfield.
- B. The application for a permit shall be accompanied by a map or diagram of the property showing the location of all present and proposed ditches, streams, pipes and other drainage structures and cuts or fills. In addition to showing elevations, dimensions, location and extent of all proposed grading and/or drainage, the plans shall clearly indicate all buildings, parking areas and driveways. Further, the application shall indicate the present and proposed sources, storage and dispositions of water being channeled through or across the premises, together with elevation, gradients and maximum flow rates. The application shall describe the work to be performed, the materials to be used and the manner or method of

performance, including provisions for protecting and maintaining existing drainage facilities in the Township of Springfield, whether on public or private property. If loadbearing fill is proposed, a soils investigation report shall be submitted which shall consist of test borings, laboratory testings and engineering analysis to correlate surface and subsurface conditions with the proposed rating plan. The results of the investigation shall be presented in a report by a soil engineer which shall include: data regarding the nature, distribution and supporting ability of existing soils and rock on the site, conclusions and recommendations for grading requirements and erosion control and recommendations to ensure stable soil conditions and groundwater control as applicable. The township may require such supplemental reports and data as it deems necessary. Recommendations included in such reports and approved by the township shall be incorporated in the plan for specifications.

C. The application for a permit to excavate/grade shall be accompanied by an initial fee of \$100.00 which shall be applied to the first hour of review of said application by the Township Engineer. For each additional hour or fraction thereof spent in the processing, review and/or inspection in relation to the grading application, the property owner will be billed at the hourly rate of \$55.00.

D. All applicants for a permit involving an area greater than 1/2 acre shall, before any permit is granted, post a bond with the Township of Springfield in the sum of at least \$10,000 (the exact sum to be determined by the Township Engineer), with corporate surety to be approved by the Township Solicitor, the conditions of which shall be a full and complete compliance with this ordinance and all terms of the permit.

I have read and understand the standards and procedures described on the reverse side of this form and agree to comply with the requirements of Chapter 39 of the Code of Springfield Township. Notwithstanding the issuance of this permit, I agree to comply with all of the provisions of the Code of Springfield Township.

Applicant's Signature _____

Date _____

39-10. Violations and penalties. Any person, firm or corporation violating any provision of Chapter 39 of the Code of Springfield Township shall, upon summary conviction before any Magistrate or Justice of the Peace, be sentenced to pay a fine not exceeding \$300 and the cost of prosecution, and in default of payment of the fine and cost, the violator may be sentenced to the county jail for a term of not more than 30 days. Each and every day in which any person, firm or corporation shall be in violation of this ordinance shall constitute a separate offense.

§ 39-6. Standards for issuance of permit.

A. Notwithstanding any provision of this ordinance or any condition of the permit, the permittee is responsible for the prevention of damage to other property, or personal injury, which may be affected by the activity requiring a permit and shall hold harmless the township.

B. No person, firm or corporation shall modify, fill, excavate or regrade land in any manner so close to a property line as to endanger or damage any adjoining public street, sidewalk, alley or any other public or private property without supporting and protecting such property from settling, cracking, erosion, sediment or other physical damage or personal injury which might result.

C. No person, firm or corporation shall deposit or place any debris or any other material whatsoever or cause such to be thrown or placed in any drainage ditch or drainage structure in such a manner as to obstruct free flow.

D. No person, firm or corporation shall fail to adequately maintain in good operating order any drainage facility on his premises. All drainage ditches, culverts, drain pipes and drainage structures shall be kept open and free flowing at all times.

E. The owner of any property on which any work has been made pursuant to permit granted under the provisions of this ordinance shall continuously maintain and repair all graded surfaces and anti-erosion devices, retaining walls, drainage structures or means and other protective devices, plantings and ground cover installed or completed.

F. All plans and specifications accompanying applications for permits shall include provisions for both interim (temporary) and ultimate (permanent) erosion and sediment control.

(1) The design, installation and maintenance of erosion and sediment control measures shall be accomplished in accordance with guidelines as may be established, from time to time, by the United States Department of Agriculture, Soil Conservation Service.

(2) All graded surfaces, shall be seeded, sodded and/or planted or otherwise protected from erosion as soon as practicable and shall be watered, tended and maintained until growth is well established at the time of completion and final inspection.

G. Natural and/or existing slopes exceeding five horizontal to one vertical shall be benched or continuously stepped into competent materials prior to placing all classes of fill.

H. Fills toeing out on natural slopes steeper than four horizontal to one vertical shall not be made unless approved by the township after receipt of a report, deemed acceptable by the Township Engineer, by a soil engineer certifying that he has investigated the property, made soil tests and that in his opinion such steeper slopes will safely support the proposed fill.

I. All trees in areas of grade change shall be removed unless protected with suitable tree wells.

J. The following provisions apply to the carrying and disposal of stormwater runoff:

(1) All drainage facilities shall be designed, in the most practicable fashion, to carry surface water in such a manner as to prevent erosion, overflow or ponding.

(2) The ponding of water shall not be permitted above cut or fill slopes or on drainage terraces, nor shall water be impounded on adjacent property. Adequate drainage facilities shall be provided to prevent such ponding.

(3) The applicant shall make adequate provisions to prevent any surface waters from damaging the face of any excavation or fill. All slopes shall be temporarily and permanently protected from surface water runoff from above by interceptor and diversion berms, swales, brow or berm ditches and shall be sodded, seeded and planted, unless the township determines such treatment is unnecessary and specifically waives this requirement.

(4) All drainage terraces, interceptor and diversion berms, swales and brow or berm ditches shall be designed and constructed and, when required by the Township Engineer, shall be piped or paved or otherwise improved to the satisfaction of the township.

K. When required, adequate provisions shall be made for dust control measures as are deemed acceptable by the township.

L. When required, the applicant shall agree to the granting and recording of easements for drainage facilities including acceptance of the discharge of water on the property of others, provisions for maintenance of slopes and swales and access for the maintenance of anti-erosion facilities.

§ 39-7. Procedure.

A. The applicant, in any activity requiring a permit, shall request inspection by the Township Engineer:

(1) Upon completion of stripping, the stockpiling of topsoil and disposal of all unsuitable material, but prior to beginning any other preparation of the ground.

(2) Upon completion of preparation of ground to receive fill, but prior to beginning any placement.

(3) Upon completion of rough grading, but prior to placing topsoil, permanent drainage or other site development improvements and ground covers.

(4) Upon completion of final grading, permanent drainage and erosion control facilities (including established ground covers and planting) and all other work of the permit.

B. The applicant, in all cases other than that referred to in Subsection A, after commencing initial operations, shall request inspections by the Township Engineer at the following stages in the development of the site or of each subdivision thereof:

(1) Prior to commencement of grading operations to determine suitability of all proposed fill materials.

(2) Upon completion of stripping, the stockpiling of topsoil and disposal of all unsuitable material, but prior to beginning or any other preparation of the ground.

(3) Upon completion of preparation of the ground to receive fill but prior to beginning or placement, an inspection of proof rolling.

(4) Upon installation of structural fill, the following earthfill procedures are required.

(a) Prior to placing fill in any area, provision should be made to intercept or divert all surface water. Within the area on which fill is to be placed, the ground should be graded so as to provide for unobstructed drainage from every point to some disposal point.

(b) The area should be closely examined to determine whether excessive wetness, springs or other seepage of water can be observed. If such conditions exist, drainage must be provided before placement of fill is undertaken.

(c) When the fill area has been prepared as specified, the existing ground surface should be compacted by the specified method for compacting fill.

(d) Fill should begin at the lowest section of the area. Fill should be spread in six-inch layers prior to compaction. Each layer should be approximately horizontal, but small slopes can be permitted in order to provide for surface water runoff.

(e) Each layer of fill should be inspected prior to compaction. All roots, vegetation or debris should be removed. Stones larger than six inches in diameter should be removed or broken. The moisture content of each layer should be determined to be suitable for compaction.

(f) The compaction of the fill should be done with a sheepsfoot roller, rubber-tired roller or a vibratory roller. Other compaction equipment should be used only after it has demonstrated that satisfactory results can be obtained with it.

(g) Each layer of compacted fill should be tested to determine its dry density as per ASTM D 1556. The density of each layer should be not less than 95% of maximum dry density as determined by ASTM D 1557. The moisture content of the compacted layer should be not more than 4% less or 2% greater than the optimum moisture as determined by ASTM D 1557.

(h) Only when the compacted layer has been shown to be as specified should other layers of fill be placed above it.

(i) Visual inspection of borrow materials should be made periodically to assure that no variation in the fill material has occurred.

(5) Upon completion of rough grading, but prior to placing topsoil, permanent drainage or other site development improvements and ground covers.

(6) Upon completion of trench backfilling operations so that testing can be performed as specified.

(7) Upon completion of final grading, permanent drainage and erosion control facilities, including established ground covers and planting and all other work of the permit.

§ 39-8. Inspection costs. All applicants shall bear all costs of inspections required hereunder and, if deemed necessary by the Township Building Inspector, shall deposit with the Township Treasurer such sum as the Township Commissioners shall determine to guarantee payment of the cost of such inspections. The costs of inspections shall be at the rate charged to the township by the Township Engineer.