

Charter Township of Milford Application for Private Road

Date: _____ Application #PR- _____

New Road () Extension () Alteration () Minor Private ()

Permit Fee: **\$150.00** Plan Review: **\$3,000.00**

Inspection Escrow: \$ Amount established at Pre-Construction Meeting

Check #: _____ Received By: _____

INSTRUCTIONS:

1. All drawings for land division, legal description and private road specifications shall be drawn in accordance with the provisions of Milford Township ordinances. Surveys by a registered civil engineer or registered land surveyor must be signed and sealed on every page.
2. Plans shall show all existing and proposed grades and any other physical conditions existing adjacent to the proposed private road.
3. Four (4) sets of plans and specifications are needed to apply.
4. Road Construction is not to commence until plans and specifications are approved by Township Engineers, an approach permit (if required) is issued by the Oakland County Road Commission, a soil erosion permit is obtained from the Oakland County Drain Commission, the private road notice of commencement from Milford Township, submission of private road naming form and the Inspection Escrow is paid.
5. Provide detailed construction cost estimate of project by installer.

Signature of Owner: _____ Date: _____

Signature of Applicant: _____ Date: _____

Please Continue to Next Page for More Information

Charter Township of Milford
Application for Private Road Continued

Property & Owner Information

Sidwell#: _____
Property Location: _____
Property Zoning District: _____
Property Address or Vacant: _____

Owner's Address: _____
Owner's City: _____ State: _____ Zip: _____
Phone#: _____ Fax: _____
E-MAIL: _____

Contractor's Information

Name: _____
Address: _____
City: _____ State: _____ Zip: _____
Phone#: _____ Fax: _____
E-MAIL: _____

PROPOSED ROAD INFORMATION

Proposed Road Name: _____
Approach Permit Required: _____
Road Length: _____
Variance Required: _____
Land Division #: _____

Please Continue to Next Page for More Information.

Charter Township of Milford

Application for Private Road Continued

Additional Sidwell & Owner Information connected to the Proposed Road: _____

Applicant Information:

Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone#: _____ Fax: _____

E-MAIL: _____

Relation to Property: _____

Additional Information: _____

Signature of Owner: _____ Date: _____

Signature of Applicant: _____ Date: _____

Please Continue to Next Page for More Information

Charter Township of Milford
PRIVATE ROAD NAMING SUBMISSION FORM

It is necessary to have your private road name approved by the Fire Department, Police Department, Post Office and Oakland County. Please fill out the following information and submit it to Milford Township Planning Department by the pre-construction meeting. This form is required prior to the construction phase. The Township will contact the Fire Department, Police Department, Post Office and Oakland County for the approvals. An approved copy of this letter will be mailed to you for your records. Please understand that similar names to existing roads will not be approved.

Date: _____

Milford Township Supervisor,

I am planning to construct a private road on my property defined as parcel number _____. I would like to submit the following three (3) proposed names for my road in order of priority for your approval.

- 1.) _____
- 2.) _____
- 3.) _____

Name: _____

Address: _____

Phone Number: _____ E-Mail _____

Fire Department by: _____ Date: _____

Police Department by: _____ Date: _____

Post Office by: _____ Date: _____

Oakland County by: _____ Date: _____

Sec. 10-343. Inspection.

(a) *Requirements.* All improvements required by this subdivision shall be inspected by the township engineer or building inspector except for improvements made under the jurisdiction of the county road commission, county drain commissioner and other public agencies. Where inspections are made by other agencies the township engineer or building inspector shall obtain written reports of each final inspection.

(b) *Schedule.* It shall be the responsibility of the proprietor to notify the township or other appropriate public agency when installations are ready for inspection.

(c) *Improvements under construction.* Before approving a final plat and construction plans and specifications for public improvements, an agreement between the subdivider and the township board shall be made to provide for checking or inspecting the construction and its conformity to the submitted plans.

(d) *Compliance with standards.* The proprietor shall bear the final responsibility for the installation and construction of all required improvements according to the provisions of this subdivision and to the standards and specifications of the various public agencies.

(e) *Acceptance.* Approval of installation and construction shall not constitute acceptance by the township of any improvement for dedication purposes.

(f) *Fees.* The proprietor shall pay all inspection costs incurred by the township according to schedules determined by the township board, by deposit made at the time of approval of the final plat. Any funds not used by the township in its inspections shall be refunded to the proprietor when the subdivision, or stage thereof, is completed. The proprietor shall pay to the township an amount by which the inspection charges exceed the deposited fee.

(g) *Site cleanup.* The proprietor shall be responsible for removal of all equipment, material and general construction debris from the subdivision and from any lot, street or public way or property therein or adjacent.

(Code 1992, § 16-237; Ord. No. 139, § 5.55, 8-20-1980)

ARTICLE III. ROADS, DRIVEWAYS, AND PARKING LOTS*

DIVISION 1. GENERALLY

Sec. 10-344. Definitions.

The following words, terms and phrases, when used in this article, shall have the meanings ascribed to them in this section, except where the context clearly indicates a different meaning:

Applicant means a natural person, firm, association, partnership, corporation or any combination thereof, which may hold any ownership interest in land, whether recorded or not, petitioning for approval to divide or partition land or for the installation of a private road, pursuant to the terms of this article.

***State law reference**—Power to establish, control and regulate streets, alleys, public places, MCL 42.16.

Driveway means any area of land used for ingress or egress to serve no more than one parcel of land.

Land means the surface area known as real estate.

Land board means a board composed of the duly elected township supervisor, the township clerk and the township treasurer. In the event that one of the officials mentioned in this definition should, for some reason, become unable to function as a land board member, the township supervisor, with the advice and consent of the township board, shall appoint a temporary replacement for such officer; the replacement to serve only until such time as the incapacitated official resumes responsibility or the vacancy in his office is filled. Such temporary replacement on the land board is to be chosen from the remaining members of the township board.

Land division means the dividing, splitting, partitioning or separating a parcel or tract of land, lot or outlot, into two or more parts provided the division is not pursuant to platting procedures of the laws of the state.

Lot or outlot means a measured portion of a parcel or tract of land, which is legally described and fixed in a plat.

Parcel or tract means a continuous area of land under the ownership of the same person.

Plat means a map or chart of a recorded subdivision of land.

Private road means an area of land used for ingress and egress to serve more than one parcel of property.

Public road means an open way for passage or travel under public ownership and/or maintenance.

(Code 1992, § 15-1; Ord. No. 141, § A, 3-24-1982)

Secs. 10-345—10-361. Reserved.

DIVISION 2. ROADS

Sec. 10-362. Road frontage required for lots.

It shall be unlawful for any person to sell, divide, or partition any lot, outlot or other parcel of land, unless such lot, outlot, or parcel of land fronts its full width on a dedicated street or public road or on a private road that has been improved to the standards of this division, except where such parcel becomes part of an adjacent parcel complying with the provisions of this division.

(Code 1992, § 15-26; Ord. No. 154, § 9.2(1), 7-17-1991; Ord. No. 141A, § 1, 8-23-2000; Ord. No. 154B, § 1, 12-19-2001)

Sec. 10-363. Roads in subdivisions, condominium projects.

All roads located within a subdivision plat or site condominium project shall be constructed in accordance with the standards and specifications of the county road commission for subdivisions comparable in use, frontage, etc., to the condominium project. The township planning commission may recommend to the township board that a waiver of frontage or curb and gutter requirements be granted, and the township board may grant such waivers, when topographical features, density and other factors indicate that such would be in keeping with the intent of this division and the character of the community.

(Code 1992, § 15-27; Ord. No. 154, § 9.1(1), 7-17-1991)

Sec. 10-364. Right-of-way permit.

No private road shall be constructed unless and until a private road permit is obtained by the applicant from the township. Prior to a road permit being granted to an applicant by the township, a right-of-way permit shall be obtained from the county road commission by the applicant for any private road which intersects a public road. Any driveway which intersects a public road shall require a right-of-way permit granted by the county road commission to the applicant before a building permit shall be granted.

(Code 1992, § 15-28; Ord. No. 154, § 9.2(2), 7-17-1991)

Sec. 10-365. Compliance required; withholding of building permit.

No building permit shall be issued by the township for property fronting on any private road until the provisions of this division have been complied with and the private road installation has been inspected and approved by the township and the right-of-way approach and road name, if required, have been approved by the county road commission. The township board may waive this requirement, if, in its opinion, adequate security is given for completion of the private road.

(Code 1992, § 15-29; Ord. No. 154, § 9.2(17), 7-17-1991)

Sec. 10-366. Easements.

(a) Except as provided in section 10-380, all private road easements after July 17, 1991, shall be a minimum of 60 feet in width and shall be dedicated with the legal description recorded with the county register of deeds prior to final township approval. Dedication shall be for the use of the private property owners for ingress and egress along with ingress and egress for all public and emergency vehicles for whatever public services are necessary, and for installation, construction and operation of all public utilities, including but not limited to natural gas, electricity, telephone and cable television. On any instrument conveying an interest in any property abutting a private road, a complete legal description of the private road easement shall be incorporated therein, along with a separate notice attached showing that the private road is not required to be maintained by the county road commission.

(b) When establishing private road easements, the minimum area requirements of chapter 32 shall be provided on both sides of the proposed private road easement for each land subdivision.

(Code 1992, § 15-30; Ord. No. 154, § 9.2(3), 7-17-1991; Ord. No. 183, § 1, 3-16-2005)

Sec. 10-367. Road names and property addresses.

(a) Road names shall not be permitted which might cause confusion with names of existing roads in or near the township. Roads that will be continuations of existing roads shall be called by the same name as that of the existing road. All proposed names shall be submitted to the township supervisor who, after consultation with the local postmaster and the road commission for the county concerning all private roads intersecting with county roads, shall approve or disapprove such name. Road signs shall be required at each road intersection, such signs to meet the specifications of the county road commission. Costs for all road signs and for any and all traffic signs required by the township, county or state shall be borne by the developer prior to final approval. Additional signs required after final approval shall be borne by the property owners of the parcels to be served by the private road. In the event the developer or property owners fail to satisfy the costs associated with the required signage, the township may assume the installation of signage and the costs associated therewith. The township shall have the right to defray its costs by placing liens and encumbrances upon the properties serviced by the roadway. The township may add to the actual cost of purchase and installation a sum of 25 percent to cover the township's legal and administrative fees.

(b) Each preexisting or subsequent building, dwelling or structure established along a travel lane serving as a path of shared access to more than one parcel or lot shall be identified by an address having a common street name. The street name of the travel lane serving as a path of shared access to more than one parcel or lot shall be posted by means of a road sign placed within the public right-of-way at each point of its intersection with a public or private road. To promote safety, access shall be provided to only one identified public or private road easement in the cases of corner or double frontage lots.

(c) The township supervisor shall have the authority and shall be responsible for the assignment of addresses to any new building, dwelling, or structure, or reassignment of address to any existing building, dwelling or structure. Such reassignment shall only occur after consultation with local public safety officials and upon a finding that it is necessary to meet the township's intent as defined in this section.

(d) The assignment or reassignment of addresses shall occur in such a manner which provides a uniform numbering sequence as consistent as practicable with the past practices of DTE Energy and the existing addresses of the township. In addition, each address shall coincide with the roadway providing primary vehicle ingress and egress to the property. The address shall be assigned to the nearest roadway in instances where driveways are providing access for and to multiple roadways.

(e) Any violation of this section or any part thereof shall be punishable as a municipal civil infraction.

(Code 1992, § 15-31; Ord. No. 154, § 9.2(4), 7-17-1991; Ord. No. 154A, § 3, 12-19-2001; Ord. No. 187, § 1, 7-19-2006; Ord. No. 190, § 1, 2-21-2007; Ord. No. 192, § 1, 3-21-2007)

Sec. 10-368. Profile.

Private road improvements shall be shown in plan and profile. The profile shall indicate the existing ground at least at the centerline and 30 feet on either side and the proposed road at the centerline. The plans shall also show all existing and proposed grades, the location of all existing and proposed drainage facilities and structures, and any other structures or physical conditions existing adjacent to the subject private road.

(Code 1992, § 15-32; Ord. No. 154, § 9.2(5), 7-17-1991)

Sec. 10-369. Layout.

The layout of the proposed private roads shall conform to a general plan for the neighborhood approved by the township planning commission. Due consideration shall be given to traffic safety. Minor private roads shall be laid out as to discourage use by through traffic. Due consideration shall also be given to the attractiveness of the road layout in order to obtain the maximum livability and amenity of the neighborhood.

(Code 1992, § 15-33; Ord. No. 154, § 9.2(6), 7-17-1991)

Sec. 10-370. Intersections.

The intersection of private roads shall be as near perpendicular (90 degrees) as practical. A ten-degree tolerance will be allowed. A minimum radius return of 20 feet will be required at all intersections of the edges of the road surfaces.

(Code 1992, § 15-34; Ord. No. 154, § 9.2(7), 7-17-1991)

Sec. 10-371. Grade.

(a) Maximum grade shall be eight percent. Vertical curves shall be used at all changes in grade.

(b) The grade of the private road shall not exceed 1.5 percent for a distance of 25 feet minimum from the edge of the county right-of-way.

(Code 1992, § 15-35; Ord. No. 154, § 9.2(8), (9), 7-17-1991)

Sec. 10-372. Sight distances.

Sight distances on horizontal or vertical curves and at intersecting private roads shall be a minimum of 200 feet. Sight distance for intersecting private roads shall be measured ten feet from the edge of the traveled portion of the road and from a drive-eye height of 3.75 feet to an object height of six inches.

(Code 1992, § 15-36; Ord. No. 154, § 9.2(10), 7-17-1991)

Sec. 10-373. Drainage ditches.

Drainage ditches shall be provided if, in the opinion of the township engineer, the topography of the area requires same for adequate drainage.
(Code 1992, § 15-37; Ord. No. 154, § 9.2(11), 7-17-1991)

Sec. 10-374. Removal of surface materials.

Surface materials shall be removed and excavated for the full width of the right-of-way for the full length of the private road. All trees, stumps, brush and roots thereof shall be entirely removed from within the grading limits and shall be disposed of outside the easement area.
(Code 1992, § 15-38; Ord. No. 154, § 9.2(12), 7-17-1991; Ord. No. 183, § 2, 3-16-2005)

Sec. 10-375. Gravel-surfaced roads.

Gravel-surfaced roads will only be permitted for single-family residential private roads. They shall consist of eight inches of aggregate base, on a minimum of six inches of compacted MDOT 8.02.05 class III granular material having a maximum stone size of 1½ inches. If the existing material meets MDOT 8.02.05 class III granular material specifications, it may be left in place provided stones larger than 1½ inches are removed. The eight inches of aggregate surface shall be constructed of MDOT 22A aggregate placed in accordance with specification 3.08.
(Code 1992, § 15-39; Ord. No. 154, § 9.2(13), 7-17-1991; Ord. No. 183, § 3, 3-16-2005)

Sec. 10-376. Specifications for non-single-family residential roads.

Non-single-family residential roads shall be a minimum of three inches of plant-mixed bituminous material placed in accordance with MDOT specification 4.00. The bituminous roadway will be 20-foot-wide centered on a minimum of six inches of compacted MDOT 8.02.05 class III granular material having a maximum stone size of 1½ inches. If the existing material meets MDOT 8.02.05 class III granular material specifications, it may be left in place provided stones larger than 1½ inches are removed. The asphalt pavement will consist of 1½ inches of bituminous mixture no. 1100L, 20A placed over 1½ inches of bituminous mixture no. 1100T, 20A. The shoulders will be five feet wide constructed of eight inches of MDOT 22A or 23A aggregate placed in accordance with section 3.09 of the MDOT specification.
(Code 1992, § 15-40; Ord. No. 154, § 9.2(14), 7-17-1991)

Sec. 10-377. Dead-end roads, cul-de-sacs.

Dead-end roads will not ordinarily be permitted. Except as provided in section 10-380, and in cases where topographical or other conditions preclude the continuation of existing roads, cul-de-sacs will be required. Cul-de-sacs shall have an adequate turnaround with a minimum radius of 60 feet for right-of-way and 40 feet for roadway in residential and commercial areas; and a minimum radius of 80 feet for right-of-way and 60 feet for roadway in industrial areas.

Private roads over 2,100 feet in length will not be permitted. Length is to be measured along the centerline of the private road from the county right-of-way or easement line of the nearest intersecting street to the end of the road or cul-de-sac, when installed.

(Code 1992, § 15-41; Ord. No. 154, § 9.2(15), 7-17-1991; Ord. No. 183, § 4, 3-16-2005; Ord. No. 186, § 1, 1-18-2006)

Sec. 10-378. Inspections.

The township shall have the installation of private roads inspected for compliance with the provisions of this division, as follows:

- (1) Prior to installation of the subbase.
 - (2) After installation of the subbase and before installation of the bottom course of aggregate or bituminous surfacing.
 - (3) After installation of the bottom course and before installation of the top course of aggregate or bituminous surfacing.
 - (4) For final approval after complete installation of the private road, ditching and grading.
- (Code 1992, § 15-42; Ord. No. 154, § 9.2(16), 7-17-1991)

Sec. 10-379. Variances and appeals.

(a) Where there are practical difficulties or unnecessary hardships in the way of carrying out the strict letter of this section, such as topographical and other physical characteristics of a parcel, the township private road appeal board, which shall consist of the township supervisor, township police chief, township fire chief, and township engineer, shall have the power to vary or modify the application of the provisions of this section so that the intent and purpose of the division shall be observed and public safety secured. Any applicant may apply for a variance from any provision of the division by filing an application for variance with the township building department.

(b) The township private road appeal board shall meet to hear appeals and requests for variances within 30 days of receiving a written request from an applicant. Said meeting shall be subject to the open meetings act (MCL 15.261 et seq.).

(c) The township private road appeal board may attach reasonable conditions in granting any variance from any provision of this section, and the breach of any condition or the failure of any applicant to comply with the conditions shall void the variance. This provision of this section is intended, in part, to enable variances to be granted and conditions attached to the variances to facilitate the upgrading of prior nonconforming rights-of-way and private roads to the standards of this division, in a reasonably practical manner, including, but not limited to such rights-of-way and private roads as have been established, recorded, constructed, or maintained prior to the date of adoption of the ordinance from which this section is derived, which cannot be brought into conformity with this division without unnecessary hardship or practical difficulty due to soil conditions, topographical considerations, or other factors.

(Code 1992, § 15-43; Ord. No. 156-A78, § 1, 7-15-1998)

Sec. 10-380. Minor private residential roads.

The design standards for private residential roadways serving development sites of 12 acres or less may be modified provided they meet the following criteria:

- (1) All such private road easements shall be a minimum of 40 feet in width.
- (2) Gravel roads shall be constructed in accordance with the requirements of section 10-375, and provide a road surface having a width of not less than 18 feet with five feet of aggregate shoulder (2.5 feet per side). Ditches shall be of sufficient width, depth, and grade to provide for adequate drainage. Drainage control measures (i.e., enclosed storm sewer, ditching, grading, geotextile stabilization, etc.) may be required by the township engineer in consideration of a narrow lot width, road grade, drainage, wetland, tree or other nature/environmental preservation. (Refer to Figure 1 herein.)
- (3) All underground utilities, public or private, shall be installed prior to road construction. Such utilities are to be installed in easements, not less than ten feet wide, located on each side of the right-of-way. Such easement area shall be disregarded for purposes of computing minimum lot area.
- (4) Turnaround areas shall be provided at the terminus of all dead-end minor private residential roads. Circular turning areas shall have a minimum turning radius of 40 feet. T-shaped turnarounds shall be a minimum of 60 feet by 18 feet (each leg) or be able to accommodate a single-unit (SU) truck design as specified by AASHTO. (Refer to Figure 2). Dead-end private roads over 600 feet in length will not be permitted; however, this requirement may be waived by the land split board, and additional length allowed for development sites of 12 acres or less established prior to the effective date of the ordinance from which this section is derived, provided:
 - a. The parcel exceeds a lot depth to width ratio of 4:1;
 - b. An alternative means of access to the property, as determined by the township building official, is unavailable or impractical to provide by reason of property ownership patterns, natural feature characteristics or similar restrictions; and
 - c. The total length of the dead-end private road, as extended, will not exceed a maximum length of 2,100 feet.

Figure 1
Cross Section for Minor Private Residential Road

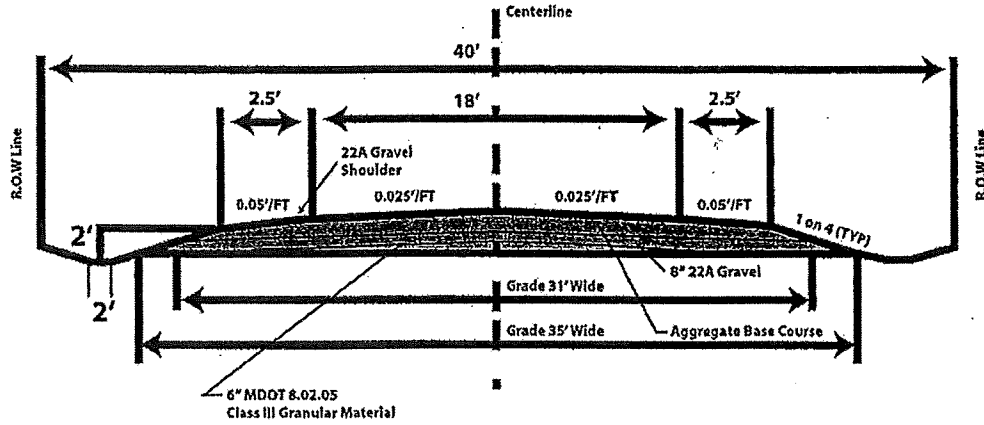
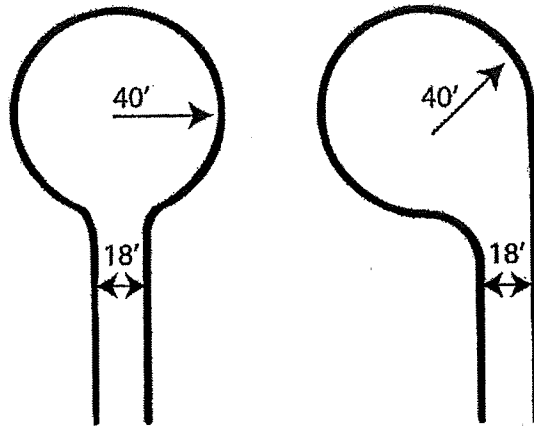
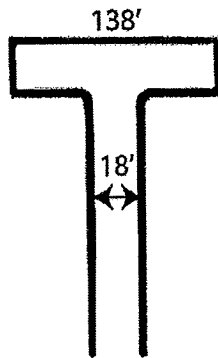


Figure 2
Permitted Turnaround Areas
for
Minor Private Residential Roads



Circular Turnarounds



T-Type

(Code 1992, § 15-44; Ord. No. 183, § 5, 3-16-2005; Ord. No. 186, § 2, 1-18-2006)

Secs. 10-381—10-403. Reserved.

DIVISION 3. DRIVEWAYS AND PARKING LOTS

Sec. 10-404. General requirements.

All site plans proposing the construction of driveways and off-street parking areas, shall provide, but not be limited to, the following dimensions and features:

- (1) Complete parking space, loading space and driveway layouts.
- (2) Typical dimensions and angles of parking spaces.
- (3) Radii of driveway returns and all other points of curvature.
- (4) Proposed and existing parking lot and driveway grades and elevations.
- (5) Driveway and parking lot cross sectional view of the pavement structure, including subbase, base and surfacing.
- (6) Existing and proposed drainage structures and controls shall include:
 - a. Size of driveway culvert (diameter and length).
 - b. Type of culvert.
 - c. Grade of culvert.
 - d. Direction of surface water flow by the use of flow arrows.
 - e. Method of surface water disposal on all pavement areas.
 - f. Location of drainage structures and sewers.
 - g. Structure details and any other applicable details.
 - h. Delineation of areas contributing surface waters to each structure or stormwater outlet point.
- (7) Proposed and existing elevations shall be shown on the plan at all radii points, finish grade at the corners of all buildings, at 50-foot intervals along the line of surface flow. Proposed elevation contours at two-foot intervals shall be provided, if reasonably required by the township engineers for review purposes.

(Code 1992, § 15-66; Ord. No. 154, § 10.1, 7-17-1991)

Sec. 10-405. Surfacing requirements.

All pavement designs shall be subject to the review and approval of the township engineer. The entire parking area, including parking spaces, loading spaces, and driveways, required to be hard surfaced under chapter 32 shall be provided with bituminous or concrete surfacing in accordance with one of the following minimum specifications:

- (1) Bituminous surface options:
 - a. Three-inch thickness of bituminous aggregate pavement over six inches of MDOT 22A or equal (compacted in place) aggregate base course.

- b. Six-inch thickness of bituminous aggregate pavement over a prepared stable subgrade. Two course construction of equal thickness must be utilized when placing the six-inch bituminous pavement.
- (2) Portland concrete surface:
- a. A six-inch thickness of concrete pavement shall be placed over a four-inch thick (compacted in place) granular material, class III subbase.
 - b. Concrete shall contain not less than 564 pounds of dry cement per cubic yard of concrete (six sacks of cement per cubic yard of concrete) and shall be air entrained with an air content, at the time of placement, of not less than five percent nor more than seven percent. Concrete mixture shall achieve a compressive strength of 3,500 pounds per square inch at 28 days. Maximum slump shall be four inches. The utilization of admixtures in the mix design will be reviewed on an individual basis.

(Code 1992, § 15-67; Ord. No. 154, § 10.2(1), 7-17-1991)

Sec. 10-406. Subgrade requirements.

All pavement surfaces must be supported upon a prepared subgrade that has been compacted to at least 95 percent of maximum unit weight in accordance with MDOT standards. When unstable subgrade materials, i.e., peat, muck, marl, wet clays, etc., are encountered, excavation and removal of such unstable materials and replacement to plan subgrade, with approved materials compacted in place, shall be required. Approved materials shall include slag, crushed stone, gravel, coarse sand, or other materials approved by the township engineer. Should it be found that the excavation, removal and replacement of unstable subgrade material is impractical due to excessive depths, alternate pavement structure designs must be submitted to and approved by the township engineer prior to pavement installation. The township reserves the right to require the installation of geotextile wrapped underdrains, edge drains, or bank drains at locations where the subgrade indicates the presence of free water.

(Code 1992, § 15-68; Ord. No. 154, § 10.2(2), 7-17-1991)

Sec. 10-407. Conformance to zoning ordinance.

Parking spaces, driveways, and loading zones shall conform in size and configuration to the requirements of chapter 32.

(Code 1992, § 15-69; Ord. No. 154, § 10.2(3a), 7-17-1991)

Sec. 10-408. Minimum driveway widths.

Driveways which provide one-way vehicle traffic movements shall not be less than 12 feet in width as measured from the edge of pavement to the edge of pavement, or 16 feet, as measured from back of curb to back of curb, whichever is applicable. The minimum driveway width for two-way traffic shall be 26 feet as measured above where curb is required.

(Code 1992, § 15-70; Ord. No. 154, § 10.2(3b), 7-17-1991)

Sec. 10-409. Pavement grading.

The grading of driveway and parking lot pavement shall conform to the following:

- (1) Minimum transverse pavement slopes shall be 1.0 percent.
 - (2) Maximum driveway slopes shall be 8.0 percent, unless topographic conditions warrant a variance.
 - (3) Maximum parking lot slopes shall be 6.0 percent, except within handicapped parking areas where the maximum slope shall be 2.0 percent.
- (Code 1992, § 15-71; Ord. No. 154, § 10.3(1), 7-17-1991)

Sec. 10-410. Drainage.

(a) All paved areas shall be drained to dispose of all surface waters accumulated in the parking area in a manner which will preclude unrestricted drainage of water onto adjacent property or toward buildings.

(b) The disposal of stormwater from all paved surfaces shall conform to the standards set forth in this division.

(c) The design of parking lot storm sewer facilities shall conform to the standards set forth in this division.

(d) The disposal of stormwater to a roadside ditch shall receive the approval of the agency having jurisdiction over the roadway prior to site plan approval. The discharge of surface waters to a recognized county drain shall receive the approval of the county drain commissioner's office prior to the site plan approval.

(Code 1992, § 15-72; Ord. No. 154, § 10.3(2), 7-17-1991)