

ORANGE TOWNSHIP
COLUMBIA COUNTY, PENNSYLVANIA

ORDINANCE NO. 1992-2

AN ORDINANCE REGULATING THE DESIGN AND INSTALLATION OF DRIVEWAYS OPENING ONTO PUBLIC ROADS IN ORANGE TOWNSHIP; REQUIRING PERMITS FOR THE CONSTRUCTION AND CONNECTION OF DRIVEWAYS, ESTABLISHING PROCEDURES FOR THE ISSUANCE OF PERMITS AND FEES WITH RESPECT THERETO; AND ESTABLISHING PENALTIES FOR VIOLATIONS.

WHEREAS, the Township of Orange has suffered damage to roads owned and maintained by the Township as a result of improper connection of driveways to Township roads due to faulty drainage; and

WHEREAS, improper connections have resulted in hazardous driving conditions; and

WHEREAS, the proper management, maintenance and control of the public road system of Orange Township requires regulation of the construction, widening, relocation, substantial repairs and other work on driveways, to minimize the danger and damage created by improper construction of driveways or changes to existing driveways, and improper connections of driveways to the public roads;

NOW, THEREFORE, be it and it hereby is by the Board of Supervisors of Orange Township enacted and ordained:

SECTION 1. Short Title. This Ordinance shall be known as the Orange Township Driveway Ordinance.

SECTION 2. Purpose. The purpose of this Ordinance is to regulate driveway location and construction so as to provide safe access to all public Township roads as well as subdivision and other private roads, to eliminate or reduce problems of storm water runoff, and to assure sufficient ease of access to off-street parking.

SECTION 3. Applicability. This Ordinance shall apply to all driveways to be constructed or altered in Orange Township, and which connect to a road.

SECTION 4. Definitions. As used in this Ordinance, the following words, terms and phrases shall have the meanings indicated hereinafter:

a. "Driveway" shall mean any area of land designated or to be used as a means of vehicular access from any road or street to a parcel of land. The driveway shall be measured at its beginning from the center line of the intersected road or street.

b. "Road" shall mean any road, street, or highway used for vehicular travel within Orange Township. The term shall include all public Township roads within the geographical boundaries of Orange Township, as well as private roads which provide vehicular access to lots in a subdivision or to two or more parcels of land.

c. "Agricultural Access Driveway" shall mean any driveway used primarily for agricultural purposes and which does not serve as a means of vehicular access to an occupied structure.

d. "Agricultural Purpose" shall mean the planting, cultivating, fertilizing and harvesting of field crops or timber.

e. "Alteration" shall mean any change in grade or profile, width, location, course, type of surface material, or drainage facilities of any driveway connected to a road.

f. "Alter" shall mean to do or perform, or cause to be done or performed, an alteration.

g. "Person" shall mean a natural person or persons, partnership, corporation, association, or any other entity.

SECTION 5. Permit. No person shall hereafter install, construct, reconstruct, replace, or alter any driveway, or perform any work or allow to be performed any work toward same, without first obtaining a permit therefor from Orange Township. Application for such a permit shall be made to the Orange Township Building Permit Officer or other designated official of the Township, by submission of an application to be provided for such purpose, completed, including plans (as set forth below), and a permit fee. The fee shall be such as is set from time to time by resolution of the Board of Supervisors of Orange Township, and shall be payable at the time the permit application and plans are submitted.

SECTION 6. Plans. A plan shall be submitted with each application for a driveway permit and shall set forth the following information:

a. Site plan of the driveway or proposed driveway and the intersecting road and adjacent land areas within a linear distance of 25 feet to each side of the center line of the driveway at the point of intersection;

b. Adjacent driveways, roads, or streets within 100 feet of the center of the point of intersection of the driveway or proposed driveway with the intersecting road;

c. Profile of the driveway or proposed driveway with existing and proposed grading within the area of the site plan and the 50-foot stretch of road as set forth in Section 6.a, above; and

d. Any and all additional information which may be requested on the permit application form or by the Township engineer, roadmaster, or other official who reviews the application.

SECTION 7. Review and Issuance of Permit. Once a permit application, together with the prescribed fee and all required accompanying plans, is submitted to the Township, the application and plans shall be reviewed by the engineer, roadmaster, or other designated official of the Township, who shall then determine whether the proposed connection, method of construction, alteration, or other work to be done on the driveway or proposed driveway is such that it will:

a. Minimize the adverse effects of storm water runoff;

b. Protect the intersecting road from damage by the connection or alteration of an existing driveway already connected;

c. Not increase hazardous driving conditions for users of the intersecting road; and

d. Satisfy all of the pertinent standards set forth in Section 8, below.

If the plans meet all such criteria, then the engineer or roadmaster or other reviewing official, as the case may be, shall so advise the Board of Supervisors of Orange Township whereupon the Board shall issue, or cause to be issued, the permit.

If the plans are found to be deficient, or, if in the opinion of the engineer, roadmaster, or other reviewing official, the plan could be improved to better satisfy the standards set forth in Section 8, below, and other criteria set forth in this Ordinance, then the engineer, roadmaster, or other reviewing official shall notify the permit applicant, in writing, of the changes to be made, whereupon the applicant shall make such changes and return the revised plans to the engineer, roadmaster, or other reviewing official. In such cases the applicant shall be responsible for the engineering fees incurred by the Township and shall reimburse the Township for said engineering fees, in addition to paying the established permit fee, prior to being issued a permit. When the plans are found to be acceptable, the engineer, roadmaster, or other reviewing official shall so notify the applicant and the Board of Supervisors of Orange Township,

whereupon the latter shall issue, or cause to be issued, a permit in accordance with the acceptable plans, upon payment by the applicant of the established permit fee and any engineering fees required to be paid by the applicant in accordance herewith.

SECTION 8. Standards.

a. All driveways shall contain a straight length of at least 20 feet, measured from the edge of the intersecting road and extending into the lot being served.

b. The first 20 feet (closest to the intersecting road) of any driveway shall have a grade of ten percent or less above the intersecting road. At all other points on a driveway, the maximum permissible grade shall be as follows: 20 percent for driveways (or portions thereof) serving not more than one single-family residence, and 15 percent for all other driveways (or portions thereof).

c. Driveways to single-family residences shall intersect roads at angles of not less than 60 degrees. All other driveways shall intersect roads at right angles, where practical, and in no case less than 75 degrees.

d. The width of a driveway serving a single-family residence within the legal right-of-way of the intersecting road, and at any point at which it is carried by a bridge or pipe, shall be a minimum of 12 feet. The minimum width of any such pipe shall be 15 feet. The minimum width of such a driveway shall be ten feet at all other points within the parcel of land being served. Where the Township determines it feasible, a shared road access for a driveway serving more than one parcel

will be permissible. A shared driveway must continue as a shared driveway for a linear distance of at least 25 feet measured from the nearest edge of the intersecting road cartway. Additional length of a shared driveway may be required and approved by the Township. Such additional length shall not be permitted, however, without the express approval of the Township.

f. Driveway entrances into all non-residential single-use properties shall be not less than 20 feet in width, and shall not exceed 36 feet in width at the point of intersection with the road.

g. The edge of any driveway shall be at least 40 feet distant from the nearest edge of the paved radius of any intersection of two roads.

h. The curbs of non-residential driveway entrances shall be rounded with a minimum radius of 20 feet where they intersect the road cartway.

i. Clear site triangles shall be provided at all driveway entrances and shall be shown on the plans. Within such triangles, no object greater than 2-1/2 feet in height, nor any tree limbs lower than eight feet, nor any other object which will obscure the vision of the motorist, shall be permitted. Clear site triangles shall conform to the sight distance diagram and chart which are appended hereto, incorporated herein, and made a part of this Ordinance. Provided that greater distances may be required in specific circumstances as determined by the engineer, roadmaster, or other Township official reviewing the plans, and in driveways intersecting roads classified as collector or

arterial by the Township. Wherever a portion of the line of such a clear site triangle occurs within any proposed building setback line, such portion shall be shown on the final plan of the subdivision or land development plan and shall be considered a building setback line.

j. Site distances for non-residential driveways, other than agricultural access driveways, shall adhere to the PennDOT standards for non-residential driveway access to streets.

k. The gutter line, where possible, shall be maintained as a paved gutter. It shall have a maximum depth of four inches and a minimum width of 24 inches. A pipe may be placed under the driveway entrances only when approved by the reviewing Township official or Board of Supervisors. Approval of use of a pipe will be determined by the gutter depth on each side of the driveway entrance. Where permitted, the minimum pipe size shall be determined by the Township roadmaster or Board of Supervisors. This provision shall not apply to agricultural access driveways.

l. Driveways, other than agricultural access driveways, shall be graded so as to assure that surface water drainage will be discharged to the owner's property. In cases where such is not feasible, sized pipes, inlets, and/or headwalls shall be installed and gutter improvements shall be made to direct surface water drainage into the road drainage system, and not onto the cartway of the intersecting road.

m. Any driveway having a length of 150 feet or more shall be designed and constructed so that it shall safely carry a gross vehicle weight of at least 60,000 pounds.

SECTION 9. Variances. Where, due to the unusual topography, grade size, width, or other dimensions of a lot or the placement of structures thereon, literal compliance with the terms of this Ordinance would render it physically impossible, or where such compliance would, by reason of excess cuts or fills, otherwise render the lot unusable, the Board of Supervisors of Orange Township shall be authorized, upon application of the permit applicant in accordance with Township procedures, to grant reasonable variances from the literal requirements of this Ordinance. Such variances shall not be contrary to the public health, safety, or welfare and shall not be contrary to the spirit and purposes of this Ordinance, nor shall such variance be greater than the minimum necessary to remove or mitigate the hardship imposed. No variance shall be granted where the hardship was created by the developer or property owner by reason of the layout of any subdivision, installation, and design of any road or other cause within the control of the developer or landowner.

SECTION 10. Violations.

a. Any driveway installation, construction, reconstruction, replacement or alteration done in violation of any of the provisions of this Ordinance, or in violation of any approved plans for which a permit has been issued, or done without a valid permit, shall be and hereby is declared to be a public nuisance, and may be removed or corrected by the Township at the expense of the owner or developer of the property.

b. Any person, partnership, corporation, or other property owner or developer who paves an existing driveway and fails to maintain a proper gutter swale, in accordance with the standards set forth herein, or otherwise creates a blockage to the flow of storm water within a road drainage system, thereby causing the storm water to be directed onto the travelled portion of the road, shall be in violation of this Ordinance.

c. Any such blockage of the proper flow of storm water within a road drainage system which is caused by the act of any person, partnership, corporation, or other property owner or developer is hereby declared a public nuisance, and may be corrected by the Township at the expense of said property owner or developer.

d. The installation, construction, reconstruction, replacement or alteration of any driveway, and the connection of any driveway to any road within Orange Township, shall conform to the plans as approved for which a permit has been issued. Any work done which is not in accordance with the specifications and conditions of the approved plans for which a permit has been issued shall constitute a violation of this Ordinance.

SECTION 11. Penalty. Any person who violates any provision of this Ordinance shall, upon conviction thereof in a summary proceeding before any court having jurisdiction, be guilty of a summary offense and be sentenced to pay a fine of not more than \$600 plus costs of prosecution or, upon default in payment of such fine and costs, be sentenced to imprisonment for not more than 30 days. All fines collected for the violation of

this Ordinance shall be paid to the Treasurer of Orange Township for general Township use.

SECTION 12. Severability. The provisions of this Ordinance are severable, and it is hereby declared to be the intent of the Board of Supervisors of Orange Township that, if any of the provisions of this Ordinance shall be held to be unconstitutional or unlawful, such holding shall not affect the validity of any of the remaining provisions of this Ordinance or of this Ordinance as a whole.

SECTION 13. Effective Date. This Ordinance shall be in full force and effect from and after the 2nd day of July, 1992.

ENACTED this 2nd day of July, 1992.

ATTEST:

ORANGE TOWNSHIP:

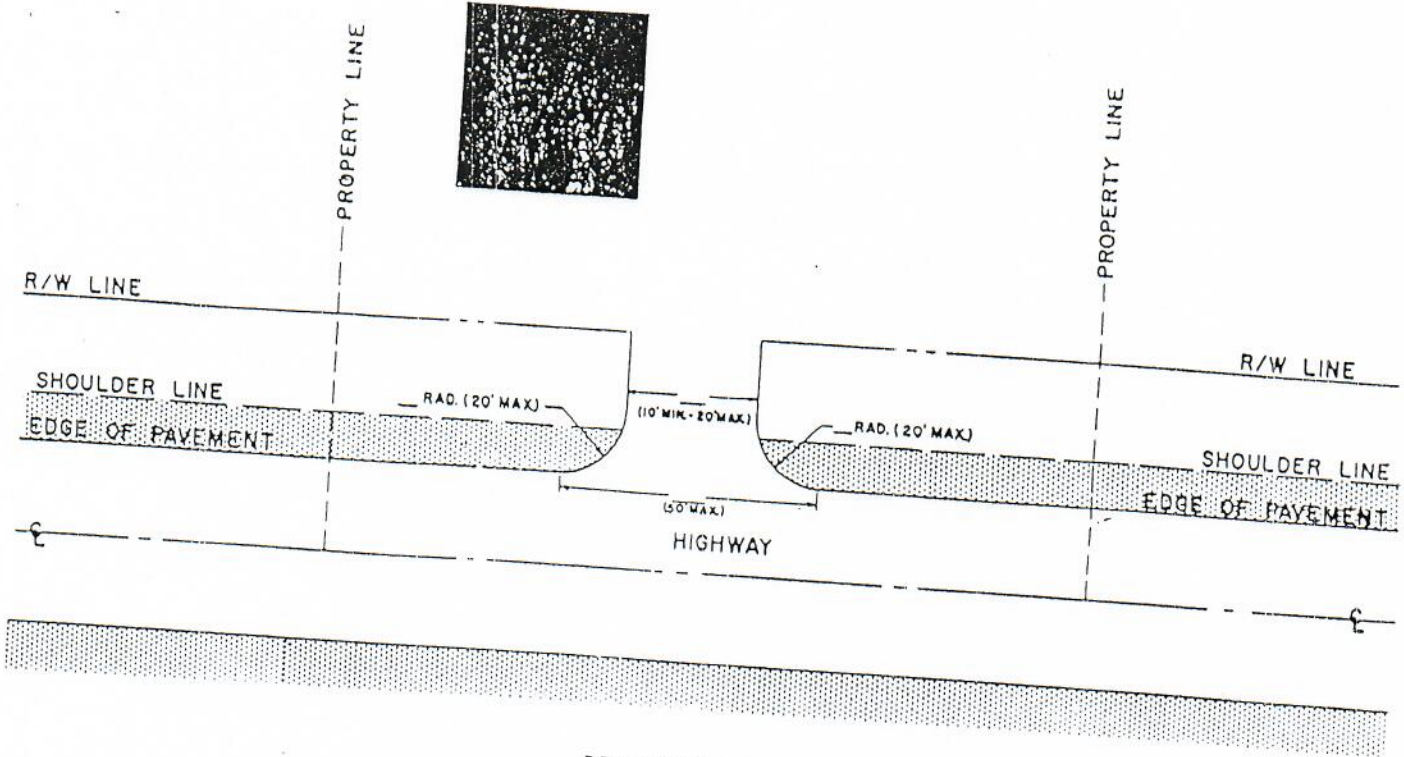
Suzanne Moore

John A. Burt

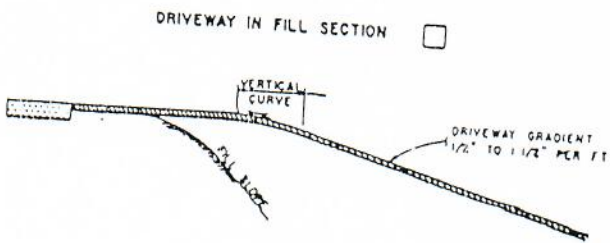
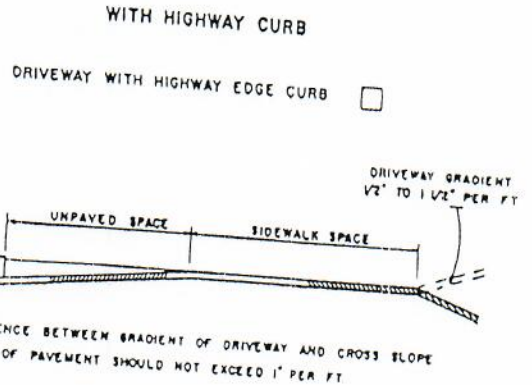
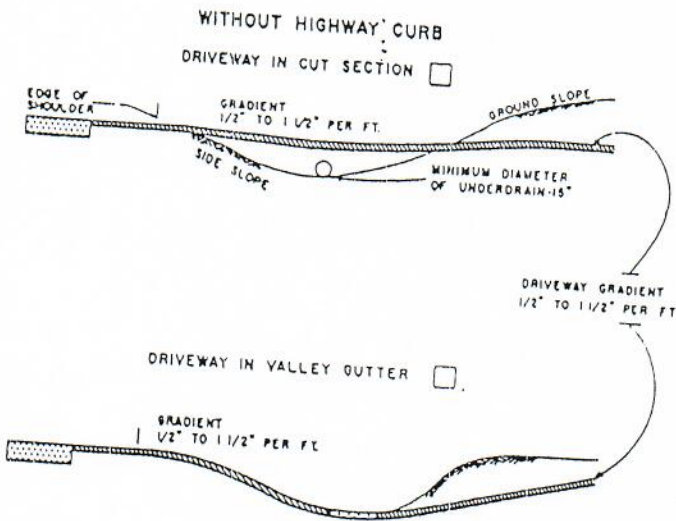
Robert E. ...

Max A. Robbins

RESIDENTIAL DRIVEWAY SKETCH (LIST WIDTH AND RADIUS)



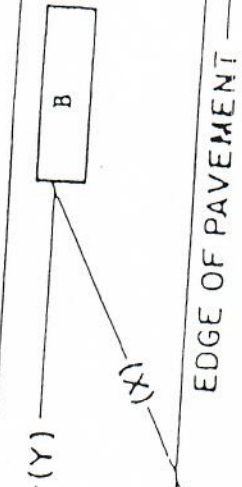
DRIVEWAY PROFILE (CHECK APPLICABLE SECTION BELOW)



NOTE:
A MINIMUM GRADIENT OF 1/4" PER FOOT MAY BE CONSIDERED
WHEN DRIVEWAY AND DRIVEWAY AREA ARE PAVED.

STANDARD LAYOUT
FOR
PRIVATE DRIVEWAY

TOWNSHIP ROAD
OR
STATE HIGHWAY



SHOULDER LINE
AREA TO BE CLEAR OF VIEW OBSTRUCTIONS

15'



DRIVEWAY

A - STOPPED VEHICLE LEAVING DRIVEWAY
X - REQUIRED LINE OF SIGHT MEASURED 4'
ABOVE ROADWAYS
Y - DISTANCES REQUIRED BY HIGHWAY SPEEDS
(SEE CHART)

B - VEHICLES ON TOWNSHIP ROAD OR
STATE HIGHWAY

SIGHT DISTANCE
DIAGRAM - CHART

REFERENCE 1.) 1984 AASHTO Green Book Chapter 3
 2.) Pub. 201 Chapter 201 "1982"
 3.) Pa. Code Title 67 Chapter 441 "1982"

MINIMUM SAFE STOPPING SIGHT DISTANCE = $1.47vt + \frac{v^2}{30(f \pm g)}$

SPEED (MPH)	G = HIGHWAY GRADE IN %													
	0	+1	+2	+3	+4	+5	+6	+7	+8	+9	+10	+11	+12	+13
15	75' 75'	74' 75'	73' 76'	73' 77'	73' 77'	73' 78'	72' 79'	72' 79'	71' 80'	71' 81'	71' 82'	70' 83'	70' 84'	70' 85'
20	109' 109'	108' 110'	107' 111'	106' 112'	105' 113'	105' 114'	104' 115'	103' 117'	102' 118'	102' 119'	101' 121'	101' 123'	100' 125'	100' 127'
25	147' 147'	145' 148'	144' 150'	143' 151'	142' 153'	140' 155'	139' 157'	138' 159'	137' 161'	136' 164'	135' 166'	134' 169'	134' 172'	133' 175'
30	196' 196'	194' 198'	191' 201'	189' 204'	187' 207'	185' 210'	183' 214'	182' 217'	180' 221'	178' 226'	177' 230'	175' 235'	174' 241'	173' 247'
35	249' 249'	245' 252'	242' 256'	238' 260'	236' 265'	233' 269'	231' 274'	228' 280'	226' 286'	224' 292'	221' 299'	219' 306'	217' 314'	215' 323'
40	314' 314'	309' 319'	304' 325'	299' 331'	295' 337'	291' 345'	287' 352'	284' 360'	280' 369'	277' 379'	274' 389'	271' 401'	268' 414'	266' 428'
45	383' 383'	376' 390'	370' 398'	364' 406'	358' 415'	353' 425'	348' 435'	343' 447'	338' 459'	334' 472'	330' 487'	326' 503'	322' 521'	319' 540'
50	462' 462'	453' 471'	444' 481'	436' 492'	429' 504'	421' 517'	415' 531'	409' 547'	403' 563'	397' 581'	392' 600'	388' 622'	382' 647'	378' 674'
55	538' 538'	527' 550'	517' 562'	508' 576'	494' 590'	490' 605'	482' 622'	475' 641'	467' 660'	461' 682'	454' 706'	448' 733'	442' 762'	437' 795'
60	621' 621'	608' 634'	596' 649'	584' 665'	573' 682'	563' 701'	554' 721'	545' 742'	536' 766'	528' 792'	521' 821'	513' 852'	506' 887'	500' 926'

V = SPEED (MPH)