

Ordinance No. 36

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**PAUPACK TOWNSHIP  
ROAD ORDINANCE**

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"A ORDINANCE ESTABLISHING MINIMUM STANDARDS  
FOR THE DEDICATION AND CONSTRUCTION OF ROADS,  
AND ASSOCIATED DRAINAGE FACILITIES IN PAUPACK  
TOWNSHIP, WAYNE COUNTY, PENNSYLVANIA."

PAUPACK TOWNSHIP ROAD ORDINANCE

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    A. GENERAL

    B. APPLICATIONS

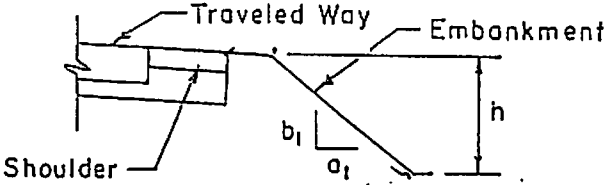
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    A. SEVERABILITY

    B. REPEALER

3. Guiderail shall be installed on all roads in compliance with the following table. Guiderail shall meet Penn DOT Publication 408 specifications and Standards for Roadway Construction (latest edition) for type 2 guiderail.



EMBANKMENT SLOPE	EMBANKMENT HEIGHTS (h) IN FEET			
	AVERAGE DAILY TRAFFIC (ADT)			
(s = a <sub>1</sub> : b <sub>1</sub> )	>5000	751-5000	401-750	≤400
1-1/2 : 1	4.0	6.0	9.0	17.0
2 : 1	8.0	10.0	16.0	31.0
2-1/2 : 1	12.0	16.0	25.0	49.0
3:1 OR FLATTER	GUIDE RAIL NOT REQUIRED			

ADT shall be determined by applying the trip generation rate of 10.1 trip ends per day per dwelling unit, based on the number of units served by the subject guide rail location. The rate is taken from Trip Generation, 4th Edition, Institute of Transportation Engineers, 1987

4. Vertical and Horizontal Visibility: Minimum vertical and horizontal visibility shall be measured at a height of four and one-half (4 1/2) feet above the road to an object four (4) inches high on the street, at the following distances:

*Arterial streets	five-hundred (500) feet
*Collector streets	three-hundred (300) feet
*Minor streets	two-hundred (200) feet
*Private access drive	two-hundred (200) feet
*Streets shorter than five hundred (500) feet	one-hundred (100) feet

D. Street width's shall be as follows:

1. TYPE OF STREET	RIGHT OF WAY	CARTWAY	*TRAVELWAY	BERM(EACH)
Arterial streets:	80'	44'	34'	5'
Collector streets	50'	34'	24'	5'
Minor streets	50'	30'	20'	5'
Private access drive	40'	26'	20'	3'
Crosswalk	4'			

\* Represents paved portion for roads to be dedicated.

2. Cul-de-sac streets - Dead end streets shall be designed as cul-de-sacs.

a. Cul-de-sac streets shall not exceed 1200 feet in length measured from the centerline of the intersection to the centerline of the turnaround.

b. The minimum radius of the right-of-way line for the turnaround shall be 50 feet.

c. The minimum radius of the cartway for the turnaround shall be forty (40) feet.

d. Grades within the turnaround shall meet the requirements as setforth in Section C - "Street Grades" of this Ordinance.

3. The entire width of the right-of-way shall be graded and cleared of trees, stumps, brush, roots, or other objectionable materials as required and directed by the Township.

4. Those roadways which are to be dedicated to the Township and used as a public road must be constructed to the standards as defined within Section 5 of this Ordinance; comply with all other applicable sections of this Ordinance; and be paved to the width of the Cartway as defined within Subsection D.1 - "Street width's".

E. Stormwater drainage - Storm drainage shall be installed to provide adequate drainage in accordance with the requirements as setforth in the Paupack Township Subdivision and Land Development Ordinance and the Paupack Township Stormwater Management Ordinance. When storm sewers, culverts, and related installations are provided, they shall be designed to:

1. Permit unimpeded flow of natural water sources.
2. Insure adequate drainage to all low points along the roadways.
3. Intercept stormwater runoff along roads at intervals reasonably related to the extent and grade of the area drained, and at all intersecting roads and drives.

F. Embankments - The slopes of banks along streets and roads, measured perpendicular to the cartway centerline, shall be no greater than required to provide a factor of safety of 1.75 against slides, slumps, spreads, or slope movement from any cause. In the absence of detailed engineering stability analysis for the material involved, a minimum of 2.0 horizontal to 1.0 vertical for cut slopes and 2.0 horizontal to 1.0 vertical for fill slopes will be required provided the material is adequate to provide these slopes. All fills

will be placed in accordance with good engineering practice, free of stumps and other organic material, and compacted.

G. Culverts and Bridges - Shall be installed in accordance with the Drainage Plan and shall have the approval and permits from the Pennsylvania Department of Environmental Resources and the Pennsylvania Department of Transportation when applicable. Regardless of the amount of water anticipated, culverts shall not be less than fifteen (15) inches in diameter.

H. Curbs and Gutters - Curbs will be required to be installed in the following situations:

1. Any commercial or resort commercial subdivision or land development activity that occurs within any Zoning District as defined within the Paupack Township Zoning Ordinance.
2. Within a subdivision or land development which contains twenty-five (25) lots or more or;
3. As required by the Pennsylvania Department of Transportation.

If curbs and gutters are required, they shall be constructed to meet the requirements as setforth in the Pennsylvania Department of Transportation Standards for Roadway Construction RC-64, or the latest revision. Where curbs are not required, adequate gutters shall be graded and protected from erosion.

I. Street Signs

1. Each new street shall be named. Names of new streets shall not duplicate or approximate existing or platted street names within the local municipality, adjacent local municipalities within the County, or postal delivery district, or approximate such names by the use of suffixes such as lane, way, drive, court, avenue, etc.
2. Street name signs shall be provided and installed by the applicant at each intersection prior to final approval. The signs shall be 6 inches high and a minimum of 18 inches long, mounted on aluminum or steel post at least 7 feet above the ground. The lettering shall be a minimum of 3 inches high and double faced.
3. Signs indicating "no outlet" shall be provided and installed by the applicant on each cul-de-sac street prior to final approval. The sign shall be located on

the right hand side of the street, facing the intersection, and be between 50 and 100 feet from the centerline of the intersections. The sign shall meet standards of the Pennsylvania Department of Transportation for design specifications and installation.

- J. Sidewalks - Shall be installed along all public roads within walking distance of a school, shopping area or other similar public destination and areas defined within Part H - Curbs and Gutters, number 1 through 3. Sidewalks shall be four (4) feet wide and have a minimum depth or thickness of eight (8) inches. The composition of the thickness shall be four (4) inches of stone AASHTO Number 57 or 2A Course Aggregate and four (4) inches of concrete.
- K. Vehicular Parking Facilities - Vehicular Parking Facilities for multiple users shall be required as defined within the Paupack Township Zoning Ordinance. Parking lanes shall be a minimum of six (6) feet in width and be on both sides of the street.
- L. Driveways - Whenever a driveway leads into an existing or proposed road, it shall meet the grade of the edge of shoulder and shall be constructed in such a way as not to cause the existing or proposed storm water flowing along the roadway to be forced into the roadway. If a pipe culvert is necessary to carry storm water underneath the driveway, it shall be fifteen (15) inch minimum diameter, have a minimum length of twenty (20) feet, and installed the width of the driveway for a minimum of four (4) feet extended at the edge of the driveway on each end at such depth as conditions warrant.

**SECTION V - CONSTRUCTION STANDARDS**

**A. General Provisions**

- 1. All standards as defined within Section 3- "Plan Requirements", and Section 4 - "Design Standards", shall apply to both public and private streets.
- 2. All referenced materials and all methods of construction shall conform with the Commonwealth of Pennsylvania, Department of Transportation Specifications, Publication 408, latest edition. Documentation of compliance with these specifications shall be provided by the material supplier.
- 3. The Township reserves the right to take material for submittal to a testing laboratory for verification that said material(s) meet the construction requirements identified below. Such testing shall be paid for by the applicant.

4. The Township reserves the right to require the Applicant to take core borings of the completed roadway to verify pavement thickness and material compliance. The cost of such borings shall be paid for by the Applicant.

B. Roadways to be Dedicated to the Township shall have the following minimum construction:

1. six (6) inch compacted layer of subbase (type C or better, No.2A aggregate).
2. six (6) inch compacted layer of crushed aggregate base course (type A, ASSHTO No.1 stone chocked with type A. No. 10 stone).
3. one and one-half (1 1/2) inch compacted layer bituminous binder course ID-2 and one (1) inch compacted layer of bituminous wearing course ID-2.
4. shoulders to be six (6) inch compacted layer of subbase material (type C or better, No. 2A aggregate).

As an alternate to the above, the following minimum construction may be used:

1. six (6) inch compacted layer of subbase (type C or better, No. 2A aggregate).

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2. four (4) inch compacted layer bituminous concrete base course.
3. one (1) inch compacted layer bituminous wearing course ID-2.
4. shoulders to be six (6) inch compacted layer of subbase material (type C or better, No.2A aggregate).

C. Roadways not to be Dedicated to the Township shall have the following minimum construction:

1. eight (8) inch compacted layer of crushed aggregate or stone meeting the requirements of AASHTO No.1.
2. two (2) inch compacted layer of subbase material (type C or better, No. 2A aggregate).
3. shoulders to be six (6) inch compacted layer of subbase material (type C or better, No.2A aggregate).



SECTION VI - DEDICATION PROCEDURES

Based upon the final inspection by the Township Engineer, the Board of Supervisors shall determine compliance of the constructed improvements by Township standards and specifications and the construction details shown on the approved plans, and any testing documentation submitted. Upon the determination of compliance, the Board of Supervisors shall, in writing by certified mail, so notify the Applicant.

A. Construction Assurance - Following the date of notification of compliance of the improvements to Township standards and specifications, a twenty-four (24) month probationary period shall begin, during which time the Applicant shall remain responsible for all maintenance and repair of the improvements. At the end of the probationary period, the Township shall conduct an inspection to determine the structural integrity and functioning of said improvements. The Applicant shall complete in accord with the approved plans and to the satisfaction of the Township any identified deficiencies. Upon failure of the Applicant to repair all deficiencies to the standard required by the Township within ninety (90) days, the improvements shall not be accepted by the Township, and the ownership shall be retained by the Applicant. The Applicant may at any time reapply and initiate the dedication procedure, which shall include the required twenty-four (24) month probationary period.

B. Acceptance of Dedication - If at the end of the twenty-four (24) month probationary period the improvements are found to be satisfactory by the Township Board of Supervisors, or have been brought into compliance in accord with the above, the Board of Supervisors may accept said improvements for dedication if the Board determines said acceptance is in the best interest of the Township.

However, no improvements shall be accepted until the Applicant provides financial security satisfactorily to the Township in the form of an improvements construction and maintenance guarantee of a type set forth in the Paupack Township Subdivision and Land Development Ordinance. The amount of the guarantee shall be established by the Board of Supervisors, but in no case shall be less than twenty-five (25) percent of the cost of construction of the improvements, or, if this amount cannot be determined, an estimate of same prepared by the Township Engineer.

The term of the guarantee shall be eighteen (18) months from the date of determination of compliance. The guarantee shall remain in effect for the full eighteen (18) month period, during which time the Township shall enforce said guarantee to make any necessary repairs to the improvements as deemed

necessary by the Board of Supervisors. If the proceeds of the guarantee are insufficient to complete the repairs, the Township shall institute legal or equitable action to recover the amount of insufficiency from the Applicant.

**SECTION VII - ALTERATION OF A PUBLIC ROAD**

No individual will alter a public road for the purpose of installing any improvements unless a plan for the proposed improvements are reviewed and approved by the Paupack Township Board of Supervisors. Prior to approval of this plan, the Developer shall provide an improvement guarantee as defined within this Ordinance, Section 9 and the Paupack Township Subdivision and Land Development Ordinance. The Applicant shall also be subjected to the construction assurance process as defined within Section 6 of this Ordinance. If the Applicant fails to repair all identified deficiencies upon completion of the twenty-four (24) month probationary period, and the subsequent ninety (90) day period, the Township will complete the repair work and require payment from the Applicant.

**SECTION VIII - PERMITS / CERTIFICATE OF INSURANCE REQUIREMENTS**

Prior to any work being initiated within the Township Right-of-Way, the Applicant must present to the Township Board of Supervisors a Certificate of Insurance.

Access to a State road requires authorization from the Pennsylvania Department of Transportation and receipt of a valid Highway Occupancy Permit.

Access to a Township street requires authorization from the Paupack Township Board of Supervisors and receipt of a valid highway occupancy permit.

**SECTION IX - IMPROVEMENT GUARANTEES**

Completion of streets or roadways, or guarantee thereof, is required prior to the approval of said street or roadway by the Paupack Township Board of Supervisors. Improvement guarantees shall be established as set forth within the Paupack Township Subdivision and Land Development Ordinance.

**SECTION X - MODIFICATIONS**

A. General - The Paupack Township Supervisors shall have the power to authorize such adjustments or modifications from the provisions or requirements of these regulations as will not be contrary to the public interest and will maintain the spirit and original intent of this Ordinance.

B. Applications - The Paupack Township Supervisors may grant a modification of the requirements of one or more provisions of this Ordinance if the literal enforcement will exact undue hardship because of peculiar conditions pertaining to the land in question, provided that such modification will not be contrary to the public interest and the purpose and intent of the Ordinance is observed. All requests for a modification shall be in writing and shall accompany and be a part of the application for development. The request shall state in full the grounds and facts of hardship for which the request is based, the provisions of the Ordinance involved, and the minimum modification necessary. The request for modification shall be referred to the Township planning Commission for advisory comments. The Paupack Township Supervisors shall keep a written record of action on all requests for modifications.

#### SECTION XI - INSPECTIONS

With respect to the acceptance of new or privately constructed roads or drives by the Township, the Township, or their duly appointed representative, shall, after due and thorough inspection, have the right to determine whether a given piece of construction meets the minimum specifications as delineated in this Ordinance.

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If a road or drive does not (for any reason) meet the minimum requirements set forth, before said road is accepted, the Board of Supervisors of the Township may dictate it shall be made to meet the minimum requirements.

#### SECTION XII - ENACTMENT

- A. Severability - If any section, subsection, or requirement of this Ordinance shall be held to be unconstitutional or invalid by any court of competent jurisdiction, such decision shall not affect the legality of the remaining provisions of this Ordinance or the Ordinance as a whole.
- B. Repealer - The previous Road Ordinance which had been adopted by Paupack township, Wayne County, Pennsylvania, is hereby repealed.

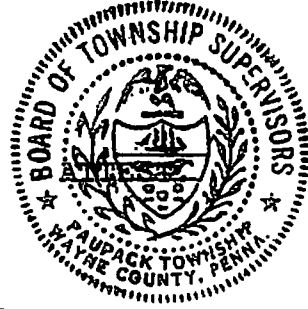
ORDAINED AND ENACTED INTO ORDINANCE THIS 28 DAY OF JULY, 1993.

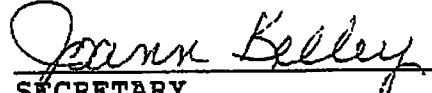
TOWNSHIP OF PAUPACK  
WAYNE COUNTY, PENNSYLVANIA

  
SUPERVISOR

  
SUPERVISOR

  
SUPERVISOR



  
SECRETARY