

#1-1990

## TOWN OF COLUMBIA

### A LOCAL LAW PROVIDING FOR THE SPECIFICATIONS FOR TOWN ROADS AND STREETS WITHIN THE TOWN OF COLUMBIA, HERKIMER COUNTY, NEW YORK AND SETTING MINIMUM DESIGN STANDARDS AND PROCEDURES INCIDENTAL THERETO.

Be it enacted by the Town Board of the Town of Columbia requires that Minimum Design Specifications of the Town Of Columbia subdivision regulations and said standards stated herein must be met.

#### SECTION 1

The owner/developer shall provide at his own cost the following documents for each petitioned district:

A. A map prepared by a duly licensed professional engineer or land surveyor delineating the total perimeter of the district with bearings and distances and identifying the district. Four copies of the map are to be furnished to the Town.

B. A legal description with bearings and distances for the petition.

C. An up-to-date abstract of title.

D. A warranty deed containing the legal description as stated in Item B above.

The Town Clerk shall be responsible for publication and filing requirements.

#### SECTION 2 MINIMUM DESIGN STANDARDS

Street lines must be designed to intersect as nearly as possible at ninety (90) degrees and no street shall intersect any other street at less than seventy-five (75) degrees. All intersecting street lines shall be twenty-five (25) feet. Dead end streets shall not be permitted except as provided herein.

##### A. CUL-DE-SAC

The cul-de-sac at the closed (dead) end of the street shall be provided with a circular turn-around having a minimum center line of pavement diameter of at least one hundred and twenty (120) feet and a minimum street property line diameter of at least one hundred and eighty (180) feet.

B. TEE OR WYE. A tee or wye as specified herein will be accepted as a turn-around.

C. PERCENTAGE GRADES

Street pavement grades shall not be less than 0.72% nor more than 10%. Properly designed street ditches will be accepted for grades up to three (3)%. For pavement grades greater than three (3)% properly designed storm water sewers with drop inlets, catch basins and manholes must be provided where feasible or at the discretion of the Town Engineer or the Town Highway Superintendent.

SECTION 3 REQUIRED SUBDIVISION IMPROVEMENTS, DESIGN REQUIREMENTS AND SPECIFICATIONS

A. STREET GRADING

All Streets shall be graded to the grade shown on the Street profile and cross section plans as submitted and approved by the Town Board, the Town Engineer and the Town Highway Superintendent.

B. STORM AND SURFACE DRAINAGE

All ditches, gutters, swales, storm water sewers and drainage facilities such as drop inlets, catch basins, manholes, culverts, bridges, dams, retention ponds, detention ponds, erosion and siltation protective measures and other appurtenances needed thereof shall be completely constructed and installed, the land shall be graded properly and in conformance with the grading plan submitted as the final drawings which are officially approved by the Town Planning Board, the Town Engineer, the Town Highway Superintendent, the Herkimer County Health department and filed in the Herkimer County Clerk's Office. The location of any of the aforesaid structures shall be within the discretion of and at the direction of the Town Engineer or the Town Highway Superintendent.

C. UTILITIES

All other utilities not covered above, such as electric, gas (if available), telephone, and TV cable shall be completely installed within the limits of the street boundary lines and/or limits of any easement, with the consent of the Town Engineer or the Town Highway Superintendent (if necessary).

D. SELECT GRANULAR MATERIAL, SUB-BASE

Select granular material shall consist of processed crusher run material, 304.05 Type 2, or an equivalent as specified in the State of New York Public Works Specifications of January 2, 1985 and also specified under Section 304 - of New York State Department of Transportation dated January 2, 1973.

E. SUB-BASE MINIMUM DESIGN STANDARD

Upon complete installation of all the utilities, the owner/developer shall notify the Town Highway Superintendent and receive his approval for the placement of the select granular material sub-base course. Before any sub-base material is laid, all top soil shall be removed within the area between the ditch lines except in fill areas more than three feet in depth. Fill material must be acceptable materials approved by the Town Highway Superintendent.

F. DRAINAGE DITCHES

Fill material shall be placed in layers not exceeding six (6) inches in depth and properly compacted. After the Areas of cut and fill are brought to the design grade, drainage ditches shall be provided on each side of the road, with a minimum sixteen (16) feet from center line. Ditches shall be at least eighteen (18) inches below the crown of the road, one (1) foot wide at the base with slopes one (1) foot vertical to one and one half (1.5) foot horizontal. At this time Sub-grade and drainage ditches will be subject to approval by the Town Engineer or the Town Highway Superintendent.

G. BASE COURSE

A Base Course consisting of not less than twelve (12) inches of processed gravel, (Item 4 as stated in F above) shall be placed in lifts (depths) not to exceed six (6) inches and compacted.

H. DRIVEWAY CULVERTS (if necessary)

Installation of driveway culverts shall be approved by the Town Engineer or the Town Highway Superintendent prior to construction. After approval is given, a permit must be obtained from the Town Highway Superintendent.

I. CULVERT PIPES

A culvert pipe shall not be less than twelve (12) inches in diameter and twenty (20) feet in length, it shall be of corrugated material, re-enforced concrete or ADS plastic pipe (highway approved).

J. HEADWALLS

Headwalls will also be necessary to consist of brick, stone or concrete blocks.

I. and J. CULVERTS AND HEADWALLS SHALL BE INSTALLED AS STATED IN SECTION 136 OF THE HIGHWAY LAW, CODE OF THE TOWN OF COLUMBIA AS ADOPTED

K. SURFACE WATER

Where there is no natural stream or water course for

the drainage of surface water from the proposed street or road, the owner/developer shall secure rights-of-way and construct ditches or install storm sewers to a natural waterway or as the Town Engineer or Town Highway superintendent directs.

#### L. PAVEMENT

The pavement shall consist of a binder course and a top (wearing) finish course. The binder course shall be asphalt concrete - type 3 binder and the top course shall be asphalt concrete - type 7 Top, both of which are further specified under section 400 - Bituminous Pavement of the New York Department of Transportation adopted January 2, 1985 and including addendums No. 1 and 2.

Before the binder is placed, the Town Highway Superintendent must be notified to obtain his approval to proceed. Upon approval to proceed, the binder course is to be placed to a minimum width of twenty (20) feet and a compacted thickness of two (2) inches with a slope of 1/4 inch per foot to shed water from the center of the pavement towards the edge of the pavement. The top course shall be placed to a minimum width of twenty (20) feet and a compacted thickness of one (1) inch. The binder course and the top course shall be laid as specified in the specifications of the New York State Department of Transportation above stated and made part of these specifications. Shoulders will then be filled, shaped and compacted to top of grade using processed gravel (Item 4 as stated above.).

#### M. WIDTH

A minimum width of sixty-six (66) feet will be required for dedication of all streets or roads in the Town of Columbia.

#### N. EASEMENTS

A minimum width of twenty (20) feet is required of all easements to be deeded to the town of Columbia, excepting conditions warranting more width as determined by the Town Superintendent and/or the Town Engineer. The boundary limits of all easements shall be delineated in their entirety on the final approved plans and shall be dedicated by warranty deed containing the description with courses and distances.

#### O. INSPECTION

The installation, improvements and development of any subdivision shall be subject to inspection at all stages by representatives appointed by the Town Board and for such purpose, free access to the site shall be accorded and any requested information shall be promptly submitted.

#### P. CERTIFICATION

The owner/developer shall have prepared by his duly

licensed Professional Engineer or land surveyor a certification that the installed materials, improvements and inspections of the subdivision are in compliance with the requirements and specifications as identified on the final approved plan.

Q. REQUIRED DOCUMENTS FOR DEDICATION

In order to dedicate any streets, roads, highways, easements, and other public rights-of-way to the Town of Columbia, the owner/developer shall furnish the required documents as follows:

1. Certification by his engineer
2. Letter of approval by the Town Highway Superintendent
3. Letter of approval by the Town Engineer if required
4. Warranty deed describing each street
5. Warranty deed describing each easement
6. An abstract of title brought up to date
7. Letter of approval by the Town Attorney
8. Three copies of final approved plans
9. Four copies of "As Built" drawings

R. DEDICATION

The Town Board of the Town of Columbia may accept a deed for the dedication of any street, road, highway, easement and other public right-of-way upon complete installation and/or construction of all underground utilities, grading, storm and surface drainage and pavement as well as furnishing the required documents as specified hereinabove.

**SECTION 4** THIS LOCAL LAW SHALL TAKE EFFECT IMMEDIATELY UPON ITS PASSAGE AND PUBLICATION AS PROVIDED BY LAW AND UPON FILING WITH THE SECRETARY OF STATE.