

APPENDIX C

ORDINANCE NO. 2011-14

ROADS AND STREET ORDINANCE

An Ordinance establishing rules, regulations and standards governing the construction of roads and streets within the Township of Rockland, pursuant to the authority set forth in the Second Class Township Code, as amended, setting forth the specifications, design standards and providing penalties for the violation of this Ordinance.

Be it ordained by the Supervisors of the Township of Rockland, Berks County, Commonwealth of Pennsylvania, as follows:

ARTICLE I

SHORT TITLE AND PURPOSE

- Section 1.00 Short Title. This Ordinance shall be known and may be stated as “The Road and Street Ordinance of the Township of Rockland”.
- 1.01 Purpose. These regulations are for the purpose of assuring the proper construction of roads and streets within the Township and to provide for the development of proper traffic distribution throughout the Township, thereby creating conditions favorable to the health, safety, morals and general welfare of the citizens.

ARTICLE II

SPECIFICATIONS

- Section 2.00 General Requirements.
- 2.01 The construction of streets in the Township of Rockland shall be done in conformity with the specifications, regulations and provisions set forth in this ordinance, together with the standard specifications for developers made a part hereof. (Table 1)
- 2.02 In the case of new roads within subdivisions and land developments, all roads and streets shall be constructed in accordance with the provisions of the Rockland Township Subdivision and Land Development Ordinance as may from time to time be in effect and the further requirements of this Ordinance.
- 2.03 All work done pursuant to the provisions of this Ordinance shall be inspected by the Township Engineer and/or Township Roadmaster.

- 2.04 The design of all streets constructed shall be in accordance with the guidelines and requirements for Design of Local Road and Streets contain in PennDOT Design Manual, Part 2, Highway Design, latest revision.
- 2.05 Lines and grades shall be as approved on recorded plans of Subdivisions, Land Development, or other plans as may be approved by the Township Engineer. The costs for establishing such lines and grades shall be paid by the applicant or as provided for by the Second Class Township Code.
- 2.06 All components of the pavement structure and methods of application shall be in accordance with PennDOT specifications, Publication 408, latest revision.
- 2.07 All adjacent structures and areas disturbed or damaged during Street or road construction shall be properly repaired by the party causing said damage.
- 2.08 In the case where the Township Engineer finds that the ground condition and/or rock condition beneath a street provides sufficient stability so that part or all of the subbase requirements may be waived, modified or changed and still comply with generally recognized, sound engineering principles after appropriate tests have been taken, subbase requirements may be so waived, modified or changed by the Township Engineer, in accordance with Section 2.123 of this Ordinance.
- 2.09 Clearing and Grubbing. All trees, roots, stumps, brush, down timber, rotten wood, rubbish and any other objectionable material shall be removed from the site and shall include the removal of any obstruction interfering with the proposed road construction for the full right-of-way width, or as approved by the Township Engineer.
- 2.10 Subgrade.
- 2.101 Subgrade shall be prepared to accommodate the placement of the pavement structure and shoulders or gutters in accordance with PennDOT specifications and within reasonably close conformity to the lines, grades and widths shown on the drawings and cross-sections or otherwise directed.
- 2.102 Subgrade shall be graded to the elevation and cross-section required with suitable soil or granular material, compacted to the required density.
- 2.103 In cases where the required density or stability cannot be obtained, the material in the area shall be excavated to a depth that when

replaced, and recompactd at a moisture content not exceeding optimum, the subgrade will have the required stability.

2.104 The subgrade shall be properly prepared to receive the subbase.

2.11 Scarifying of existing roadway surfaces. Where the surface of an existing non-skid roadway conforms approximately to the proposed subgrade elevation, or where an embankment less than nine inches (9") in depth is to be made over such roadway, the surface of the old roadway shall be scarified to a depth of not less than four inches (4"), to permit satisfactory reshaping, binding and compaction of the subgrade.

2.12 Subbase.

2.121 This work shall consist of constructing a layer or layers of aggregate on a prepared area in accordance with PennDOT Publication 408, Section 350, latest revision.

2.122 The aggregate shall be stone, gravel or slag meeting the requirements of PennDOT Type C or better, No. 3A material or approved equal.

2.123 For subgrades having a CBR (California Bearing Ratio) of fifteen (15) or greater the Township Supervisors may allow the subbase requirement to be waived at the time of Plan approval, subject to the following conditions:

2.123a. The CBR test(s) must be representative of the roadway subgrade. The number of test samples and their location as well as the soil testing laboratory to do the tests shall be subject to approval by the Township Engineer.

2.123b. If at the time of construction, local unstable subgrade conditions are encountered, the Township Engineer may require that all areas of unstable subgrade be excavated to sufficient depth, replaced with approved material and compacted to a density and stability equal to or greater than the surrounding subgrade.

2.13 Base Courses.

2.131 Base courses shall consist of one or more layers of materials conforming to the requirements of one or more of the following sections of PennDOT Publication 408, latest revision.

- 2.131a. Section 305 — Bituminous concrete base course.
- 2.131b. Section 310 (Seldom used Specifications) — Crushed aggregate base course.
- 2.131c. Section 312 (Seldom used Specifications) — Crushed aggregate base course, Type DG.
- 2.131d. Section 320 – Aggregate - bituminous base course.
- 2.131e. Notwithstanding any provisions of this Ordinance, a special base course design may be approved by the Township Engineer, provided the design provides a structural number equal to or greater than the appropriate base course listed in the attached Minimum Street Construction Standards.

Special complete roadway designs may also be submitted for approval by the Township Engineer, provided the design provides a structural number equal to or greater than the Minimum Structural Number listed in the Minimum Street Construction Standards chart.

- 2.132 Base course(s) will be placed in layers as is more fully described in Publication 408, latest revision, for each specific design.
- 2.133 All subbase(s) shall be properly prepared and primed as may be required for base course placement according to Publication 408, latest revision.
- 2.134 Base course(s) shall be properly prepared and primed as may be required to receive subsequent courses.

2.14 A binder course shall be applied, where required, in accordance with Publication 408, latest revision.

2.15 Bituminous Pavements

- 2.151 Bituminous pavements shall consist of one or more courses of bituminous mixture constructed on the prepared foundation in accordance with Publication 408 - Section 400, latest revision, and the specific requirements of the type of pavement as may be approved by the Township Engineer.

- 2.152 Bituminous surface course asphaltic materials shall conform to the requirements specified in the PennDOT Specifications for Bituminous Materials, Bulletin #25, latest revision.
- 2.152a. Asphalt cement AC-20.
- 2.152b. Asphalt Emulsion Class E-3, E-4, E-5, E-6 and E-11.
- 2.153 Aggregates, coarse and fine, for binder course shall meet the requirements of Section 703, PennDOT Publication 408, latest revision.
- 2.154 Surface Courses. The fine aggregate for surface courses shall meet the requirements of Section 703, PennDOT Publication 408, latest revision.
- 2.155 Filler for surface course shall meet the requirements of Section 703, PennDOT Publication 408, latest revision.
- 2.156 For Class ID-2 Bituminous Surface Course, the asphaltic materials shall conform to the requirements specified in PennDOT Bulletin #25, latest revision.
- Asphalt cement Class AC-20 shall have a penetration range of 60 to 70.
- 2.157 The fine aggregate, coarse aggregate and filler shall meet the requirements specified in Section 703.1, 703.2 and 703.1(c)1, respectively, PennDOT Publication 408, latest revision.
- 2.158 Surface and binder courses shall be compacted by use of approved type power rollers which shall be 3 wheel rollers or 2 wheel rollers, in either case having a metal weight of not less than ten (10) tons. Pneumatic-tired rollers may be used with the approval of the Township Engineer provided they have an operating weight of not less than 1000 pounds per tire. Locations inaccessible to rollers shall be compacted by hot iron tampers or other compaction equipment approved by the Township Engineer.
- 2.159 Before binder or surface course is laid adjacent to concrete curbs or other rigid structures, they shall be painted with an asphalt cement Class AC-20 as directed by the Township Engineer.

2.16 Shoulders.

2.161 This work shall consist of constructing supporting shoulders on the sides of all roads and streets within the Township where curbing shall not otherwise be required.

2.162 Shoulders shall be constructed as required and shall be PennDOT Type 3 paved shoulders as in Publication 408, Section 653, latest revision. Additional shoulder designs may be approved by the Township Engineer where deemed necessary.


Section 3.00 Conflicts.

Notwithstanding anything hereabove set forth in this Ordinance, whenever the provisions of this Ordinance shall be inconsistent with the provisions of the Rockland Township Subdivision and Land Development Ordinance as from time to time are in effect and the provisions of said latter Regulations are more restrictive or contain more stringent requirements than are set forth in the within Ordinance; then in such event the provisions of said Subdivision and Land Development Ordinance shall prevail and be applicable.

Section 4.00 Repeal of Ordinances.

Any Ordinance or part of any Ordinance conflicting with this Ordinance is hereby repealed insofar as the same affects this Ordinance.

ENACTED AND ORDAINED THIS 1st day of November 20 11.



Supervisor, Russell Coffin

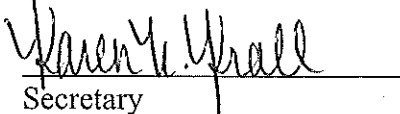


Supervisor, Harold Meadway



Supervisor, Terry Pegley

ATTEST:



Secretary