The following is a listing of amendments to the Residential Site Improvement Standards, N.J.A.C. 5:21. The Notice of Adoption of these amendments appeared in the New Jersey Register on June 15, 2009. (Additions to the text of the rule are shown in boldface and underlined. Deletions are indicated in brackets.) The full text of the Residential Site Improvement Standards may be found on the Department's website at http://www.state.nj.us/dca/codes/nj-rsis/index.shtml.

- N.J.A.C. 5:21-3.7 is re-codified as 5:21-1.12 and N.J.A.C. 5:21-3.8 is recodified as 5:21-1.13.

- N.J.A.C. 5:21-3.5(a) - The reference to the Office of State Planning is changed to the Office of Smart Growth.

- The footnotes to Figures 4.2, 4.3, 4.4 and 4.5, on street pavement requirements, are revised and updated with references to the new edition of the New Jersey Department of Transportation's *Standard Specifications for Road and Bridge Construction*. There also are several minor, editorial changes.

NOTES:

[1]Materials for the asphalt concrete surface shall [conform to Section 404.02 or 406.02] **be Hot Mix Asphalt (HMA) 9.5L64 or HMA 9.5M64, conforming to Section 401** of the New Jersey Department of Transportation's *Standard Specification**s** for Road and Bridge Construction*.

[2]Materials for the asphalt concrete base shall [conform to Sections 301.02 and 304.02 or 406.02] **be HMA 19L64 or HMA 19M64, conforming to Section 401** of the New Jersey Department of Transportation's *Standard Specification**s** for Road and Bridge Construction*.

[3]Thickness**es** may have to be constructed in multiple lifts, based on equipment capabilities.

[4]The granular base shall be dense graded aggregate conforming to Section **302** [901.08 or soil aggregate designated I-5 conforming to Section 901.09 and shown in Table 901-2] of the New Jersey Department of Transportation's *Standard Specification**s** for Road and Bridge Construction*.

[5](No change.)

[6](No change.)

[7]Drawings are based on the following design assumption**s**: A 20-year design period with staged construction **is** use**d**. Base courses are designed to withstand the construction traffic anticipated during a 3-year construction period and have a residual life of 17 years at the end of the 3-year period. The entire pavement section, base course plus finish

course, is designed to withstand the traffic loading for the remaining 17 years of the 20-year design period.

- Table 4.8 is amended to update the street pavement standards and to reflect the requirements of the new edition of the New Jersey Department of Transportation's *Standard Specifications for Road and Bridge Construction.*

TABLE 4.8 PER-INCH STRUCTURAL VALUE FOR VARIOUS PAVING MATERIALS

Layer Material	Structural Value Per-Inch Thickness	Minimum Thickness
[Bituminous stabilized concrete surface (Mix I-4, Mix I-5)] **Asphalt concrete surface course, Hot Mix Asphalt (HMA) 9.5L64 or HMA 19M64[1]**	0.44	2 inches
[Bituminous stabilized base course (Mix I-2, stone mix)[2]] **Asphalt concrete base course (HMA 9.5L64 or HMA 19M64[1]**	0.44	3 inches
[Bituminous stabilized base course (Mix I-2, gravel mix)[2]]	[0.37]	[3 inches]
Dense graded aggregate base course[2]	0.14	4 inches
Soil aggregate base course[2]	0.11	4 inches
Subbase	0.08	6 inches

Notes:

[1]Materials for asphalt concrete surface **and base courses** shall conform to Section [404.02 or 406.02] **401** of the New Jersey Department of Transportation's *Standard Specifications for Road and Bridge Construction [(1989)]*.

[2]Materials for [asphalt concrete] **aggregate** base shall conform to [Sections 301.02 and 304.02 or 406.02] **Section 302** of the New Jersey Department of Transportation's *Standard Specifications for Road and Bridge Construction [(1989)]*.

- N.J.A.C. 5:21-4.19(c) - An editorial change is made to the title of N.J.A.C. 5:21-4.19 and a change is made to N.J.A.C. 5.21-4.19(c) to clarify the street pavement requirements.

5:21-4.19 Street Grade, Intersection[s], Pavement, and Lighting Construction Standards

(c) Pavement shall be designed using [either] Figures 4.2 through 4.5, the structural number method, or the alternative pavement design methods referenced in 3 below.

- N.J.A.C. 5:21-5.2(c) - Editorial changes are made to clarify the water supply requirements at N.J.A.C. 5:21-5.2(c).

5:21-5.2 Capacity

(c) The demand rates for all uses shall be considered in computing the total system demand. Where fire protection is provided in accordance with (e) below, the system shall be capable of providing the required fire demand plus the required maximum daily residential demand, or **the required fire demand plus** the peak hour flows [indicated] in Table 5.2, [below] whichever is greater. The maximum daily demand shall be calculated by multiplying the average daily residential demand indicated in Table 5.1 by a factor of 1.5.

- N.J.A.C. 5:21-8.l - The referenced standards are updated to incorporate more recent editions of authoritative sources. The American Association of State Highway and Transportation Officials (AASHTO) M252-02 is replaced with M252-07, "Corrugated Polyethylene Drainage Pipe." The reference to AASHTO's M294-02 is replaced with M294-07, "Corrugated Polyethylene Pipe, 300- to 1500-mm Diameter." References to the New Jersey Department of Transportation's *Standard Specifications for Road and Bridge Construction* are replaced with the 2007 edition.

5:21-8.1 Referenced Standards

1. American Association of State Highway and Transportation Officials (AASHTO), Suite 249, 444 North Capitol Street, N.W., Washington, D.C. 20001. Tel. (202) 624-5800 or (800) 231-3475.

STANDARD REFERENCE NUMBER	TITLE	REFERENCED IN N.J.A.C. SECTION NUMBER
M252-[02]**07**	Standard Specification for Corrugated [Polyethylene] Drainage [Tubing]**Pipe**	5:21-7.3(h)3
M294-[04]**07**	Standard Specification for Corrugated Polyethylene Pipe, [12-to-60-in.] **300- to 1500-mm** Diameter	5:21-7.3(h)3

12. New Jersey Department of Transportation (NJDOT), PO Box 600, 1035 Parkway Avenue, Trenton, New Jersey 08625-0600. Tel. (609) 530-2000.

STANDARD REFERENCE NUMBER	TITLE	REFERENCED IN N.J.A.C. SECTION NUMBER
[November 2001] **2007**	Standard Specifications for Road and Bridge Construction	5:21-4.17(b) Figure 4.2 Figure 4.3 Figure 4.4 Figure 4.5 Table 4.8 5:21-6.2(c)6.ii(5) 5:21-7.3(h)1.v 5:21-7.4(a)