

10.0 Pavement Design

On streets and roadways within the jurisdiction of the City of Boca Raton, the Engineer of Record is responsible to verify that applicable sound engineering principles are used in the structural design of flexible and rigid pavement systems. The Engineer must recognize that in high volume, high loading areas, the thickness of the proposed pavement system may need to be greater than the minimum to ensure an adequate service life will be reached. The Engineer of Record should coordinate this address this with the City Civil Engineer, if consideration of thicker than minimum pavement systems should be considered for a specific area. FDOT's Flexible Pavement Design Manual shall be used as a basis of reference.

Minimum service life of new pavements shall be 20 years. The minimum service life of rehabilitated pavements shall be 10 years.

The Minimum acceptable Pavement Design systems for pavements within the jurisdiction of the City are as follows:

Arterials, Collector and Minor Roadways:

Stabilized Subgrade 12" (LBR 40), 8" limerock base and 1.5" Type S-1 Asphaltic Concrete.

Residential Driveways:

Subgrade shall be firm and unyielding, 6" limerock base and 1" Type S-1 Asphaltic Concrete.

Commercial Driveways:

Flexible pavement - Subgrade shall be firm and unyielding, 8" limerock base and 1.5" Type S-1 Asphaltic Concrete.

Driveways (Residential and Commercial) with Rigid Pavements:

Subgrade shall be firm and unyielding, 6" Concrete Pavement (Class I).

Acceptable Substitutions:

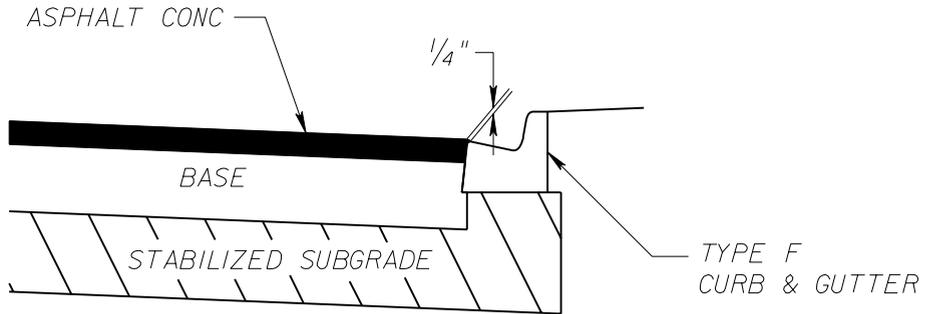
In lieu of 8" of Limerock base course, the Engineer may allow the contractor to substitute with 5" of Type B-12.5 (Asphaltic Concrete Base Course).

In lieu of Stabilized Subgrade (12" LBR 40), the Engineer may allow the contractor to substitute with 5.5" Limerock Base Course.

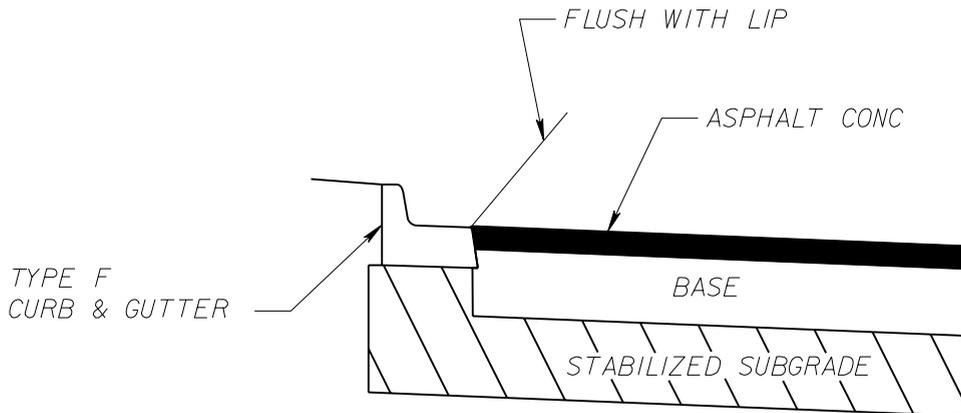
When the project proposes Type B-12.5 (Asphaltic Concrete) as the Base Course, the Stabilized Subgrade (12" LBR 40) course may be compensated with an additional 3.5" of Type B-12.5 (Asphaltic Concrete) Base Course. Thus, the 12" Stabilization (LBR 40) and 8" Limerock Base Course may be substituted with 8.5" Type B-12.5 (Asphaltic Concrete) Base Course on Subgrade that is firm and unyielding.

Pavement Design of areas other than roadways:

Pavement design of City maintained, non-roadway street pavements such as parking areas and maintenance aprons are to be designed to the discretion of the City Civil Engineer.



PAVEMENT
LOW SIDE CURB & GUTTER



PAVEMENT
HIGH SIDE CURB & GUTTER



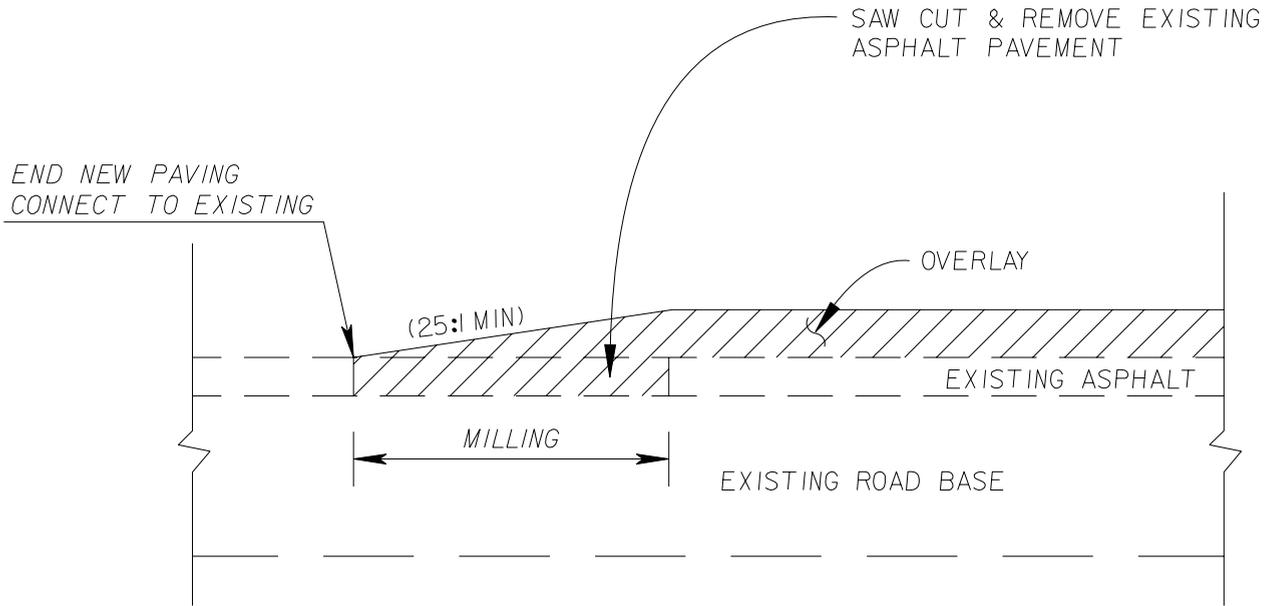
City Of Boca Raton
Municipal Services Department
201 West Palmetto Park Road
Boca Raton, Florida 33432

REVISIONS

ORIG.	12-2007
REV.	_____
REV.	_____

CURB & GUTTER DETAILS

FIGURE
10.2



BUTT JOINT DETAIL



City Of Boca Raton
Municipal Services Department
201 West Palmetto Park Road
Boca Raton, Florida 33432

REVISIONS

ORIG.	12-2007
REV.	_____
REV.	_____

PAVING DETAIL