




The CITY OF DAYTONA BEACH

— "THE WORLD'S MOST FAMOUS BEACH" —

MEMORANDUM

DATE: August 6, 2018
TO: James V. Chisholm, City Manager
FROM: Dennis Mrozek, Planning Director 
SUBJECT: Land Development Code Text Amendments – Amending Article 6 & 7
(DEV2018-102)

A request by the Development and Administrative Services Department, Planning Division, on behalf of the Public Works Department to amend Article 6 & 7 of the Land Development Code (LDC). Article 6 (Development Standards) is amended to require LED street lighting and Article 7 (Subdivision and Infrastructure) is amended to include changes to City standards to use the latest technology and construction materials (*Attachment A*) to ensure safe and effective standards for City infrastructure.

At the July 26, 2018 Planning Board meeting, the Board recommended approval 4-to-0. Staff supports the Planning Board recommendation to the City Commission.

The first reading will be heard before the City Commission on September 5, 2018 and the Public Hearing for adoption will be heard on September 19, 2018.

PROPOSED LDC TEXT AMENDMENTS

Staff is requesting the LDC be amended as follows: [~~strikeout~~ indicates deleted text, additions indicated by underlined text].

Article 6.9 Exterior Lighting

E. Street Lighting.

1. Public and private streets, sidewalks, and other common areas or facilities in developments may be illuminated to ensure the security of land and the safety of persons using such streets, sidewalks, and other common areas or facilities. When provided, illumination shall be in accordance with a plan designed by the appropriate utility company.
2. All street lights shall be located inside full cut-off fixtures mounted on non-corrosive poles served by underground wiring.
3. The light structure and light color of street lights in an individual subdivision or development shall be consistent throughout the subdivision or development.
4. All street lights are to be light-emitting diode (LED) equivalent to 100 watts meeting the requirements of the Manual of Uniform Minimum Standards for Design, Construction and Maintenance for Streets and Highways (also referred to as The Florida Greenbook) latest edition. Illumination standards must be met prior to final plat approval, or prior to occupancy when final plat approval is not required.

Article 7.2 – Required Infrastructure.

C. General Standards.

1. All plans and specifications for required infrastructure shall be reviewed and approved prior to construction. After construction improvements shall be inspected and, if approved as built, a certificate of completion shall be issued.
2. All development shall comply with the most recent version of the City's Standard Details, Construction Notes, and As-Built Drawing Requirements.
3. If a development has been designed and built with private infrastructure, the City will not allow the infrastructure to be dedicated to the public until the infrastructure improvements are designed, approved, and constructed to meet current City ~~standards~~ Standard Details (also referred to as Engineering Standards for Design and Construction).
6. *Cross Section.*
 - a. Street cross sections shall conform to City ~~standards.~~ Standard Details (also referred to as Engineering Standards for Design and Construction) All residential subdivisions shall contain urban roadway sections. Rural roadway sections may be permitted within industrial subdivisions, if appropriate.
 - b. A stabilized subgrade to support the pavement base shall be constructed to a depth of at least 12 inches under arterial streets and at least six inches under all other streets.

ATTACHMENT A

A greater depth may be required where conditions warrant. The subgrade shall be stabilized to no less than 75 pounds using the Florida Department of Transportation bearing method.

- c. Two inches minimum thickness of ~~type S-I asphaltic concrete~~ Asphalt Bituminous Concrete Type SP-9.5 (Superpave) pavement shall be required on all arterial streets and collector streets. One and one-half inches minimum thickness of ~~type S-I asphaltic concrete~~ Asphalt Bituminous Concrete Type SP-9.5 (Superpave) pavement surface shall be required on all other streets.
- d. A base of one of the following materials shall be constructed at the compacted thickness indicated. The type of base used shall be selected by the City.

Base Material	Arterial and Collector Streets	Other Streets
Limerock	8 inches	6 inches <u>8 inches</u>
Sand bituminous road mix	—	6 inches
Crushed concrete	8 inches	6 inches <u>8 inches min</u>
Hot plant mix asphalt	5.5 inches <u>6 inches min base</u>	4.5 inches <u>6 inches min</u>

E. **Sidewalks.** Sidewalks and bicycle travel and access areas are required on both sides of all streets in accordance with this subsection.

1. *Sidewalks.*

- a. *Subdivision.* Sidewalks shall be constructed in all new subdivisions at the time of plat approval.
- b. *Site Plan.* Sidewalks in existing subdivisions shall be constructed along any right-of-way adjacent to the development, between the development and the paved roadway. Sidewalks shall logically extend and connect to existing sidewalks, or connect the new development with existing or proposed sidewalks in the right-of-way.
- c. *Construction Standards.*
 - i. All sidewalks shall be constructed of Portland cement concrete to the minimum thickness specified in the ~~City's Technical Manual~~ City Standard Details (also referred to as Engineering Standards for Design and Construction).
 - ii. ~~Sidewalks along arterial and collector streets shall be at least five feet in width.~~ All other sidewalks shall be A.D.A compliant and be at least four five feet in width.
 - iii. Sidewalks shall include ADA-compliant curb ramps at intersections with streets.
 - iv. On rights-of-way not owned or maintained by the City, the construction requirements of the maintaining jurisdiction shall apply.