



LAND DEVELOPMENT REGULATION ADVISORY BOARD (LDRAB)
LANDSCAPE SUB-COMMITTEE MINUTES

JANUARY 21, 2015
2300 NORTH JOG ROAD, CONFERENCE ROOM VC-1E-60 – 1ST FLOOR
9:30 AM – 11:30 AM

A. CALL TO ORDER
9:35 AM

1. Introduction of Members, Staff and Interested Parties

Subcommittee Members: Mike Zimmerman

Industry/public: Leo Urban, Collene Walter, Michelle Duchene, Dan Siemsen, Greg Polidora, Kevin Hallahan, Nick Mihelich, Gladys DiGirolamo

County Staff: Barbara Pinkston, Dylan Battles, Rodney Swonger, George Galle, Jon Powers, Carl Bengston, Juanita James, Tony Miller

2. Additions, Substitutions and Deletions to Agenda:

There were no additions, substitutions or deletions to the agenda.

B. REVIEW SUMMARY FROM 11-29-2014 SUBCOMMITTEE MEETING

C. PRESENTATION BY GREG POLIDORA, SENIOR VEGETATION SPECIALIST, FLORIDA POWER AND LIGHT

Greg utilized a power point presentation to explain concerns related to conflicts between power facilities and landscaping. He explained the following:

- Transmission lines vs. Distribution lines
Transmission lines are larger and carry higher voltage long distances to reach the sub-stations. It is then converted to usable current, and travels along distribution lines that provide power directly to the consumers.
- Sag and sway
Sag occurs when thermal forces affect a power line and may cause to dip as much as nine feet. Sway occurs when the line moves back and forth from wind forces. Both situations should be considered when installing plant material near power lines.

He advised that the 2003 power outage in the Northeast (affecting Ohio, New York, Michigan, New Jersey, and Canada) was caused by vegetation. The cost associated with the outage was approximately \$50 million.

- Distance requirements
Greg presented charts used by FPL to determine the minimum distance between power lines and trees. These charts were taken from ANSI Z133-2012 and

provide minimum distance requirements. Most county and municipal landscape regulations do not include separation provisions. FPL will sometimes require trees to be removed / relocated after they have been installed or they will be trimmed to avoid power line interference. He advised that the conflicts are due to lack of FPL input.

- Conceptual plan review
FPL reviews site plans to ensure compliance with their standards. The City of Sunrise has incorporated an electronic submittal / review process with FPL. This would be a good place to start research of how to get FPL input earlier on the process.

Questions

Subcommittee members had a number of questions / comments that included:

- How to submit plans for review
- The amount of FPL staff available to review plans
- Type of voltage not disclosed prior to site plan process
- Suggest training for landscape architects
- Have monthly meetings to review site plans
- Explore different types of trees that would be appropriate
- Explore the use of ALPs to address conflicts with power lines

Follow-up

- Contact the City of Sunrise to discuss their review process
- Order ANSI pamphlet Z133-2012 for comparison with existing ULDC regulations
- Consider use of ALPs to address power line conflict
- Schedule an additional meeting with FPL

D. DISCUSSION OF MEETING DATES FOR 2015

A list of meeting dates was handed out to

E. TOPIC FOR MARCH 2015

Alternative Landscape Plans

F. ADJOURN

The meeting adjourned at 11:35 a.m.

Referenced Materials:

North American Electric Reliability Corporation
NERC Standard FAC 003-01

American National Standards Institute
ANSI Z133 2012 Table 2

U:\Zoning\CODEREV\Research - Central\Landscape\20154\2 - Meetings\1-21-2015