first, observe. Victor Dover AICP LEED-AP CNU-a Dover, Kohl & Partners © 2009

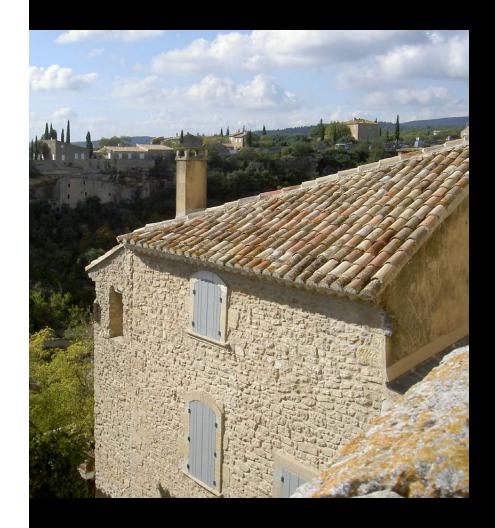
sustainability is place-based





mediterranean mountain west

sustainability is rooted in observation





mediterranean

mid-atlantic USA, temperate

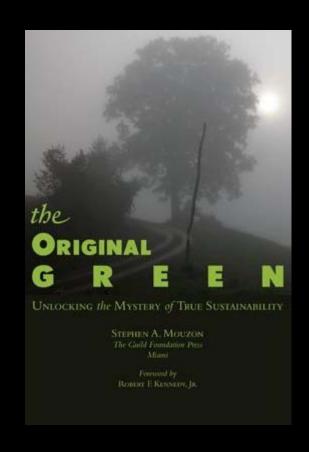
know where you are, and build that way







"the original green"

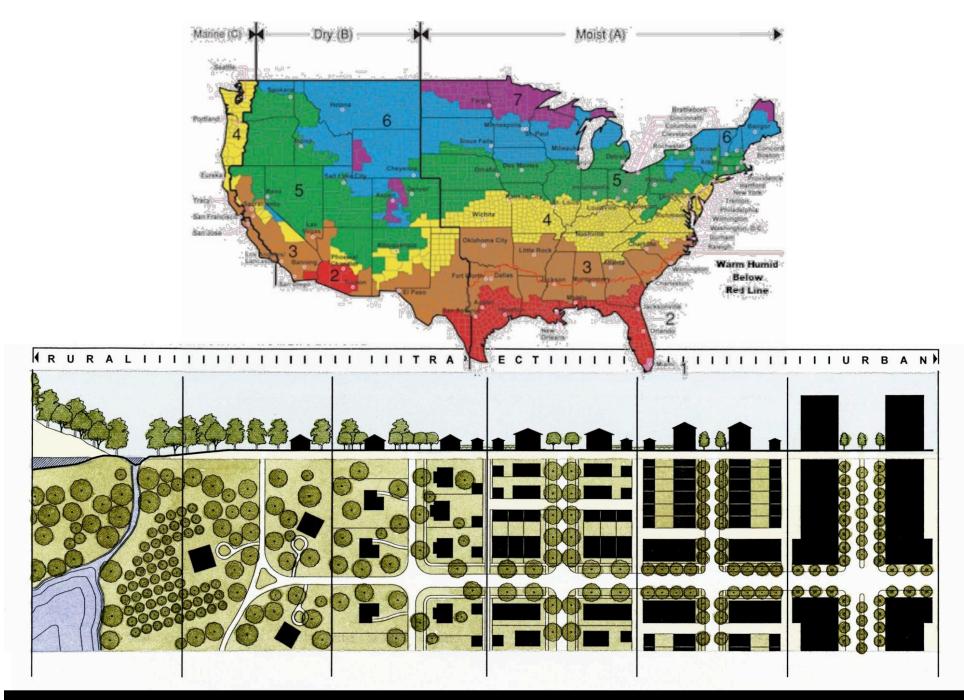




seeking local distinctiveness







climate-responsive architecture





desert southwest

humid subtropical

streets





street trees





desert southwest

mid-atlantic temperate





private pedestrian realm realm

multi-modal realm



Neighborhood square

Open space at the center of a neighborhood with a mosque or other civic building anchoring the space.

Size: Neighborhood square should be no larger than an area equal to one city block of the surrounding neighborhood.

Nature: Mostly pervious or landscaped, but could include large paved areas for gathering or ball games.

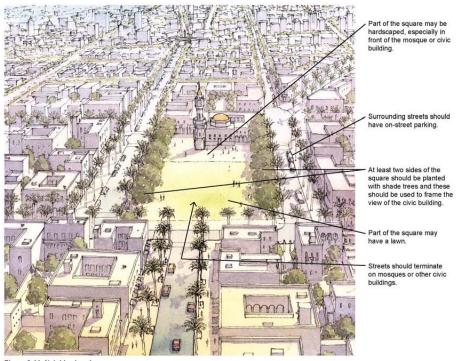


Figure 3.44: Neighborhood square

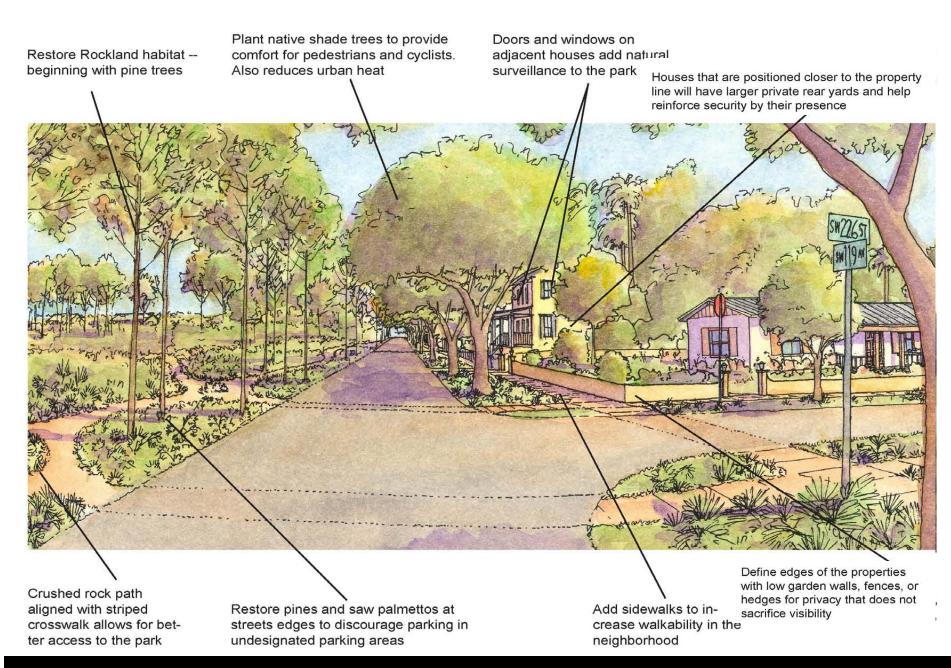
native and adapted landscape





desert southwest

humid subtropical



Miami Dade Open Space Master Plan, Miami-Dade County, Florida

form-based code

Urban Standards

(MS): Main Street Building Lot

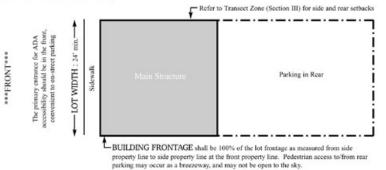
*An awning/ marquee, balcouy, or colonnade/arcade is required - See pages 4.2 - 4.3 for requirements upper floor s' min. fin. floor to fin. ceiling 2nd s' min. fin. floor to fin. ceiling 1st 12' min. fin. floor to fin. ceiling

CORE CENTER GENERAL EDGE

RURAL

WORK. EDGE

BUILDING PLACEMENT:



*Each building shall have separate walls to support all loads independently of any walls located on an adjacent property.

PRECEDENTS & CHARACTER EXAMPLES:



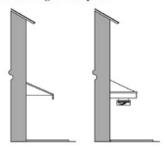


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Page 4.2

A. Special Building Elements and Appurtenances

1. Awnings / Marquees



Depth = 5 ft minimum.

Height = 8 ft minimum clear.

Length = 25% to 100% of Building Front (for Mixed-Use Buildings only).

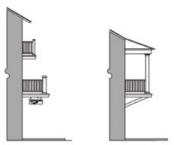
The above requirements apply to first-floor awnings.

There are no minimum requirements for awnings above the first floor.

Marquees and Awnings shall occur forward of the Buildto Line and may encroach within the right-of-way, but shall not extend into the planting zone.

Awnings shall be made of fabric or metal. High-gloss or plasticized fabrics are prohibited.

2. Balconies



Depth = 6 ft minimum for 2nd floor balconies.

Architectural Standards

Height = 10 ft minimum clear.

Length = 25% to 100% of Building Front. (for Main Street Buildings only)

Balconies shall occur forward of the Build-to Line and may encroach within the right-of-way with special easement permission, but shall not extend into the planting

Balconies may have roofs, but are required to be open, un-airconditioned parts of the buildings.

On corners, balconies may wrap around the side of the building facing the side street.









DRAFT 06-01-04 Pulelehua Development Standards

Page 5.2

harnessing renewable energy on-site





mediterranean

mid-atlantic USA, temperate

SUSTAINABILITY MEASURES

Sustainable settlements are those that meet the needs of the present generation without compromising the ability of future generations to meet their own needs. Following are some initial ways the town of Iberville can strive to meet sustainability goals.



Pedestrian paths made of pendous materials



Lendscaping without furf grass.



Rain barrel use is encouraged.

CONSTRUCTION TECHNIQUES

Wherever possible, green building materials shall be used in the construction of building walls, including siding composed of reclaimed or recycled material, salvaged masonry brick or block, and locally-produced stone or brick.

LANDSCAPING

- Use drought-tolerant and/or slow-growing hardy grasses, native and indigenous plants, shrubs, ground covers, and trees appropriate for local conditions.
- Permanent irrigation systems may only utilize captured rainwater and/or building graywater (with approved filtration system). Potable water use is not permitted in permanent irrigation systems.
- Use mulches to minimize evaporation, reduce weed growth, and retard erosion.
- All driveways, surface parking areas and alleyways are encouraged to be constructed with pervious paving materials (grass paver systems, gravel, or pervious asphalt) to promote surface water absorption and reduce stormwater run-off quantity and flow rates.
- All at-grade walks and pathways shall be constructed with pervious materials.
- Turf should only be used in areas where it provides functional benefits limit use of turf grass to a maximum of fifty percent of landscaped areas per lot.

SOLAR DESIGN FEATURES

- . Provide south shading by designing properly sized overhangs on south facing glazing.
- A primary roof facade should face as close to solar south as possible, to allow for installation or retrofit with solar panels.
- Roof-mounted solar hot water and/or photovoltaic panels are encouraged to reduce grid demand energy use.
- Roof-mounted solar panels on the front roof facade shall be flush with the roof.
- Proposed plantings and/or building additions that will shade pre-existing solar panel installations on adjacent properties must be approved by the Town Architect.

HYDROLOGIC DESIGN FEATURES

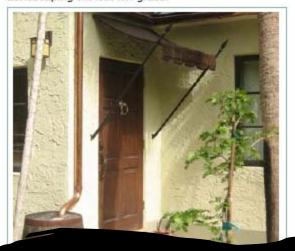
- The use of underground or above-grade cisterns to capture rainwater for reuse is encouraged. Approved cistern construction includes concrete, metal or polyethylene; others may be approved by the Town Architect.
- Site grading and planting shall be done in a manner that minimizes off-site stormwater run-off.
- For more information on Rainwater Managment techniques, refer to Appendix.



Pedestrian paths made of pervious materials.



Landscaping without turf grass.



- permanent irrigation systems.
- Use mulches to minimize evaporation, reduce weed growth, and retard erosion.
- All driveways, surface parking areas and alleyways are encouraged to be constructed with pervious paving materials (grass paver systems, gravel, or pervious asphalt) to promote surface water absorption and reduce stormwater run-off quantity and flow rates.
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ent techniques, refer to Annon to

rain-water harvesting & storage





mediterranean

northeast USA, temperate

renewed interest in all things local



CNU 19, Madison, June 2011: "Growing Local"

local food production





Mediterranean (t2)

humid subtropical (t4)

small scale agriculture



community supported agriculture

COMPACT COMMUNITIES

§ 32-261

COMPACT COMMUNITIES

€ 32-262

DIVISION 4. CIVIC BUILDINGS AND CIVIC SPACES

Sec. 32-261. Civic buildings.

Civic buildings contain public or civic uses of special significance to residents, employees, or visitors.

- (1) Civic buildings are used primarily for the following civic uses: community services, day care, education, government, places of worship, or social services. Civic buildings do not include residential uses or retail space (except as an accessory use). Civic uses may also be located on other lot types as permitted by table 32-244.
- (2) Civic Building Lots may be assigned in any transect zone. Civic Building Lots are usually sited adjoining or surrounded by civic spaces or they provide a visual landmark due to placement at one end of a street (see Givic Building Lot diagrams in section \$2-242).
- (3) In order to provide greater flexibility in building types and to allow more distinctive architectural expression. Civic Building Lots do not have mandatory frontage percentages or street setbacks. Civic buildings must be designed to physically reflect their community prominence.
- (4) Compact communities that are 30 acres or larger must contain at least 0.5 acres devoted to Civic Building Lots. One Civic Building Lot must be at least 10,000 square feet and a certificate of occupancy must be obtained for a civic building on the lot within three years after the first building in the compact community obtains a certificate of occupancy.

Sec. 32-262. Civic spaces.

- (a) Civic spaces generally. Civic spaces are commonly owned open spaces that are strategically placed to serve a specialized community function. Active civic spaces may be configured as a green, square, plaza, park, playground, community garden, or farm plot. Passive civic spaces protect natural areas worthy of preservation as described in this code.
- (b) Types of civic spaces. Each Civic Space Lot must contain one of the following types of civic spaces, allowable in various transect zones as indicated by the letter "X" in table 32-262:
- (1) Active civic spaces:
 - a. GREEN: Open space consisting of lawn and informally arranged trees and shrubs, typically furnished with paths, benches, and open shelters. Greens are spatially defined by abutting street.
 - b. SQUARE: Formal open space available for recreational and civic uses and spatially defined by abutting streets and building frontages. Landscaping in a square consists of lawn, trees, and shrubs planted in formal patterns and it is typically furnished with paths, benches, and open shelters.
 - c. PLAZA: Formal open space available for civic and commercial uses and spatially defined by building frontages. Landscaping in a plaza consists primarily of pavement; trees and shrubs are optional.
 - d. NEIGHBORHOOD PARK: Natural landscape consisting of open and wooded areas, typically furnished with paths, benches, and open shelters. Neighborhood parks are often irregularly shaped but may be linear in order to parallel creeks, canals, or other corridors.

e. PLAYGROUND: Fenced open space, typically interspersed within residential areas, that is designed and equipped for the recreation of children. Playgrounds may be freestanding or located within parks, greens, or school sites.

- f. COMMUNITY GARDEN: Grouping of garden plots available to nearby residents for small-scale cultivation.
- g. FARM PLOT: Plot dedicated primarily to food production for local consumption and managed so as to avoid adverse impacts to nearby residential neighborhoods.
- (2) Passive civic spaces:
 - a. PRESERVE: Protected natural area with special physical characteristics.

TABLE 32-262

			Transact Zones							
Civic Space Types	Must Front On At Least:	Typical Lot Size	Core	Center	General	Edge	Civic			
Active civic spaces:	War and the	Page of the		8	N 60	340001	Secretary.			
Green	2 streets	0.5 to 5 acres	607	X	X	X	X			
Square	5 atreets	0.5 to 2 acres	X	X	X	\$1.00°	X			
Plaza	1 street	0.1 to 2 acres	X	X	X		X			
Neighborhood park	1 street	0.5 to no man.			X	X	X			
Playground	0 streets	0.1 to 1 acre	X	X	X	X	X			
Community garden	0 atreets	0.1 to 1 sere			X	X	X			
Farm plot	0 atseets	1.0 to no man.					X			
Passive civic spaces:	\$1 (1) to 1 (1) 1 (1)			(i) (i)		100	Section 1			
Preserve	0 atreets	no min/no man.				W	X			

- (c) Civic Space Lots in Civic transect zones. Civic spaces in Civic transect zones may serve as buffers to provide a separation from adjoining land uses or they may be designed for active uses as greens, squares, plazas, neighborhood parks, playgrounds, community gardens, or farm plots. They may also be preserved natural areas where only passive recreational uses are permitted.
 - (1) Natural areas to be protected, including archaeological features, mature trees, creeks, wetlands, and indigenous native vegetation, should be designated as a Civic Space Lot. These areas are important public amenities whose edges should be easily accessible, for instance bordered by trails, neighborhood parks, streets, or commercial uses such as restaurants.
 - (2) Land in Civic transect zones may also be designated as Civic Building Lots or Stormwater
 Lots
- (d) Civic Space Lots in all other transect zones. Civic Space Lots may also be assigned in the Core, Center, General, and Edge transect zones as provided in table 32-262.
- (e) Civic space standards. Civic Space Lots must be designed, landscaped, and furnished to be consistent with the character of each civic space type.
 - (1) Street frontage requirements for various civic space types are provided in table 32-262.
 - (2) Squares and plazas must be located so that building walls facing the square or plaza will have at least 25% of their primary facade, including at least 40% of the ground story's primary facade, in transparent windows.
 - (3) Typical arrangements of each type of civic space are illustrated in figure 32-262.

Draft - 5-17-2010

32 - 31

Draft - 5-17-2010

Sustainability - Food Production. This table shows ways of incorporating types of food production along the Transect.

	TI	T2	T3	T4	T5	T6	SD	Specific
Fain								
Agricultural Pichs			,					
Vegetable Garden					5.			
Ubon Farm								
Commanity Garden								
Green Roof - Edensire - Sami Intensive								
Verlical Fern								

stainability - Food Production. This t	table shows	ways of ir	ncorporati	ng types	of food pro	oduction a	long the Ti	ran
	T1	T2	T3	T4	T5	T6	SD	
Farm								
Vegetable Garden			•	•				
Urban Farm				•				
Community Garden				•				
Green Roof - Extensive								
- Semi Intensive								
- Intensive								
Vertical Farm								

