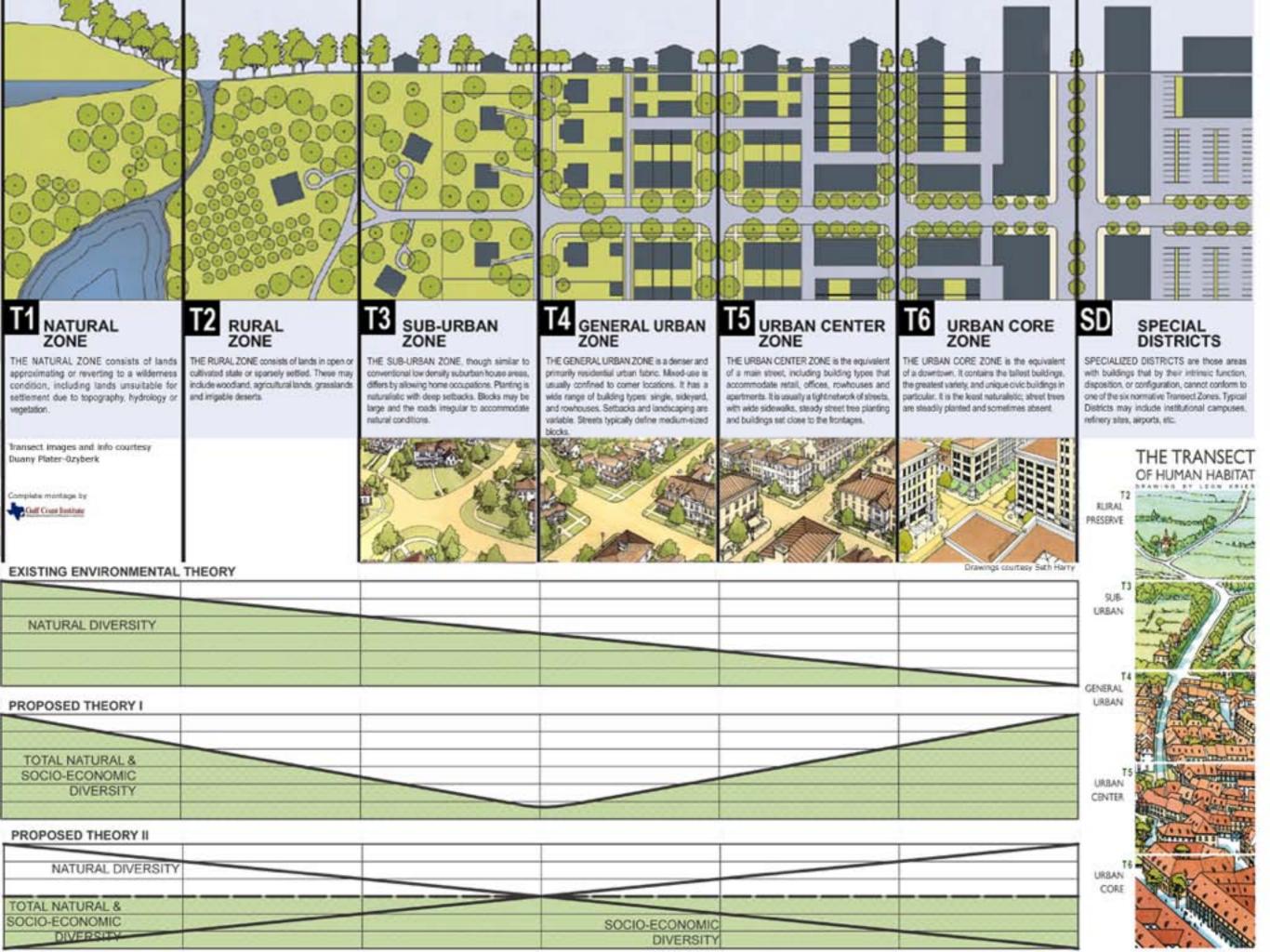
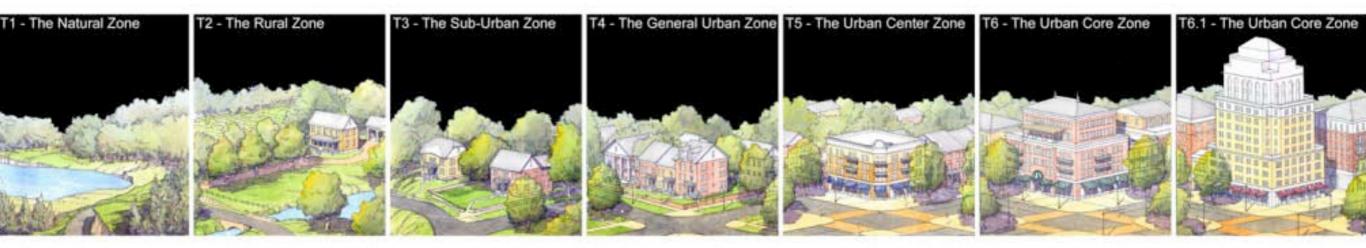
## The Rural-Urban Transect

**David Crossley** 

Quality of life. Houston Tomorrow

# A natural transect





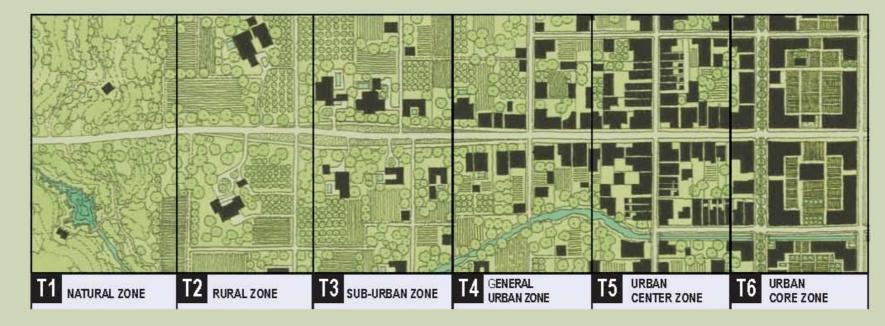
The Transect technique is derived from ecological analysis where it is applied to present the sequence of natural habitat from shore-dune-upland or wetland-woodland-prairie. It is a system of classification deploying the conceptual range rural-to-urban to arrange in useful order the typical elements of urbanism. The transect is a natural ordering system, as every urban element easily finds a place within its continuum. For example, a street is more urban than a road, a curb more urban than a swale, a brick wall more urban than a wooden one, an allee of trees more urban than a cluster. This gradient when rationalized and subdivided, becomes the basis of the Smartcode, the basis of a common zoning system.

The continuum of the Transect, when subdivided, forms the basis of the zoning categories: Rural, Sub-Urban, General Urban, Urban Center and UrbanCore.

<b>10</b>			
°° (•	LESS DENSITY	MORE DENSITY	•) Ž
Z (	PRIMARILY RESIDENTIAL	PRIMARILY MIXED USE	RIVAT
	SMALLER BUILDINGS	LARGER BUILDINGS	
<b>ш</b>	MORE GREENSCAPE	MORE HARDSCAPE	
	DETACHED BUILDINGS	ATTACHED BUILDINGS	
		ALIGNED FRONTAGES	
OCIA		STOOPS & SHOPFRONTS	
8	DEEP SETBACKS	SHALLOW SETBACKS	
<u></u>	ARTICULATED MASSING	SIMPLE MASSING	
		MASONRY BUILDINGS	
		GENERALLY FLAT ROOFS	
		BUILDINGMOUNTED SIGNAGE	
	LIVESTOCK	DOMESTIC ANIMALS	·····
4		STREETS & ALLEYS	
		WIDE SIDEWALKS	
		LOW L.O.S. STANDARDS	PUBLIC
	OPPORTUNISTIC PARKING	DEDICATED PARKING	
	LARGER CURB RADII	SMALLER CURB RADII	
	OPEN SWALES	RAISED CURBS	
	STARLIGHT	STREET LIGHTING	
		ALIGNED STREET TREES	
	LOCAL GATHERING PLACES	REGIONAL INSTITUTIONS	<u> </u>
4			
4		PLAZAS & SQUARES	

\* The category of Natural Elements is derived

### **INDICES OF DIVERSITY**

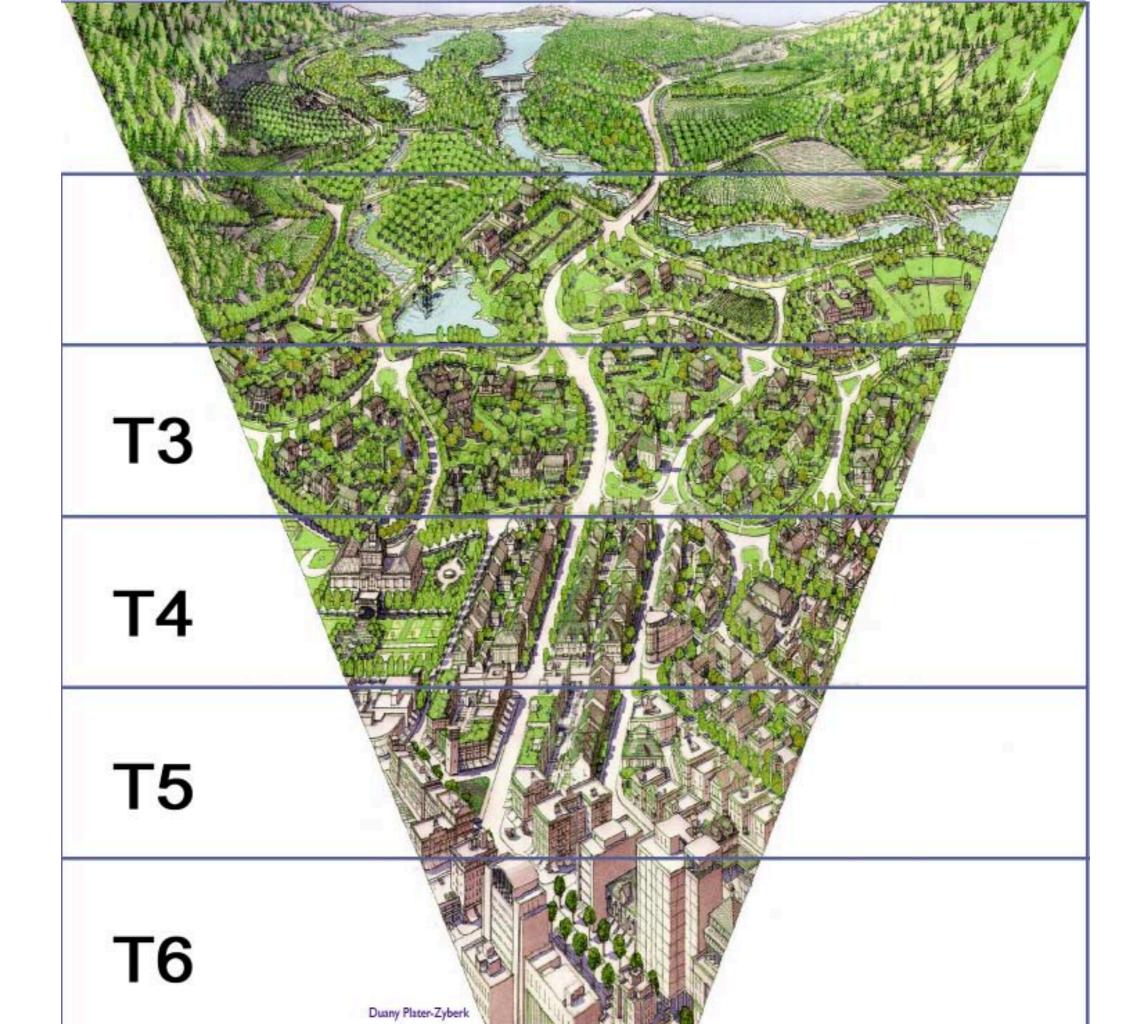


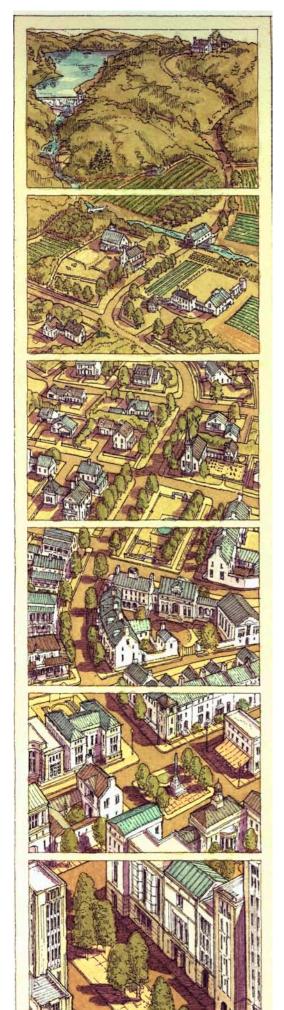
EXISTING ENVIRONMENTAL THEORY/ ECOLOGICAL ANALYSIS



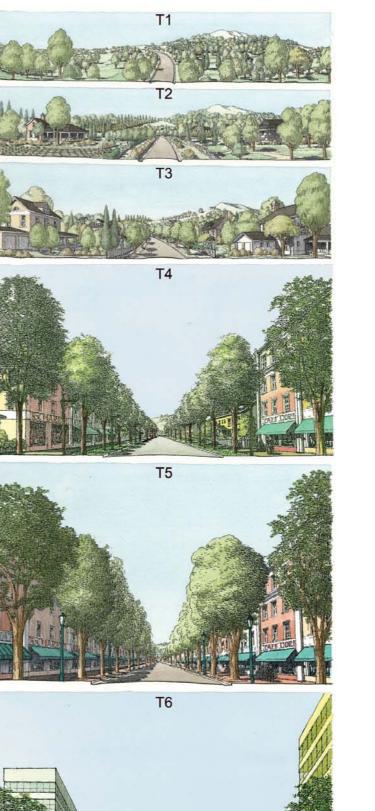
Indices of Diversity by Transect

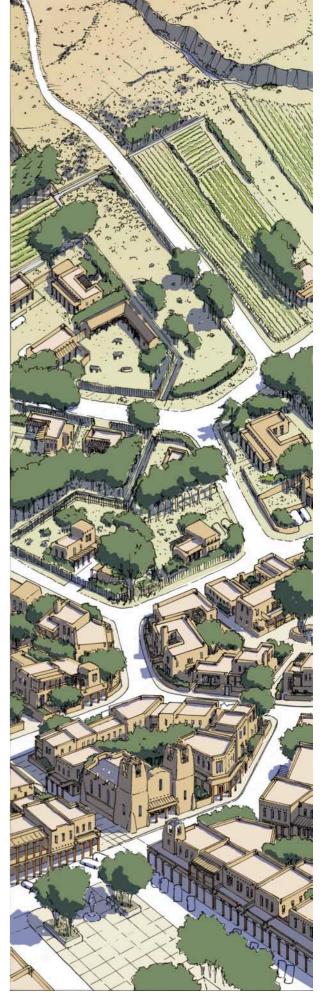
C Duany Plater-Zyberk & Company, LLC

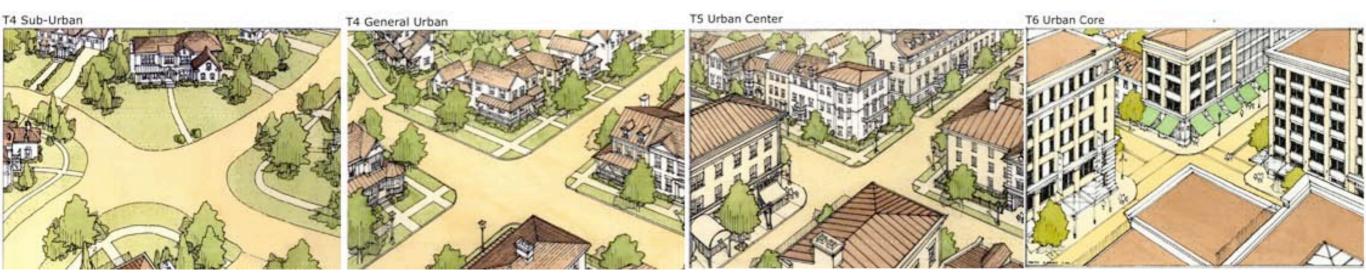


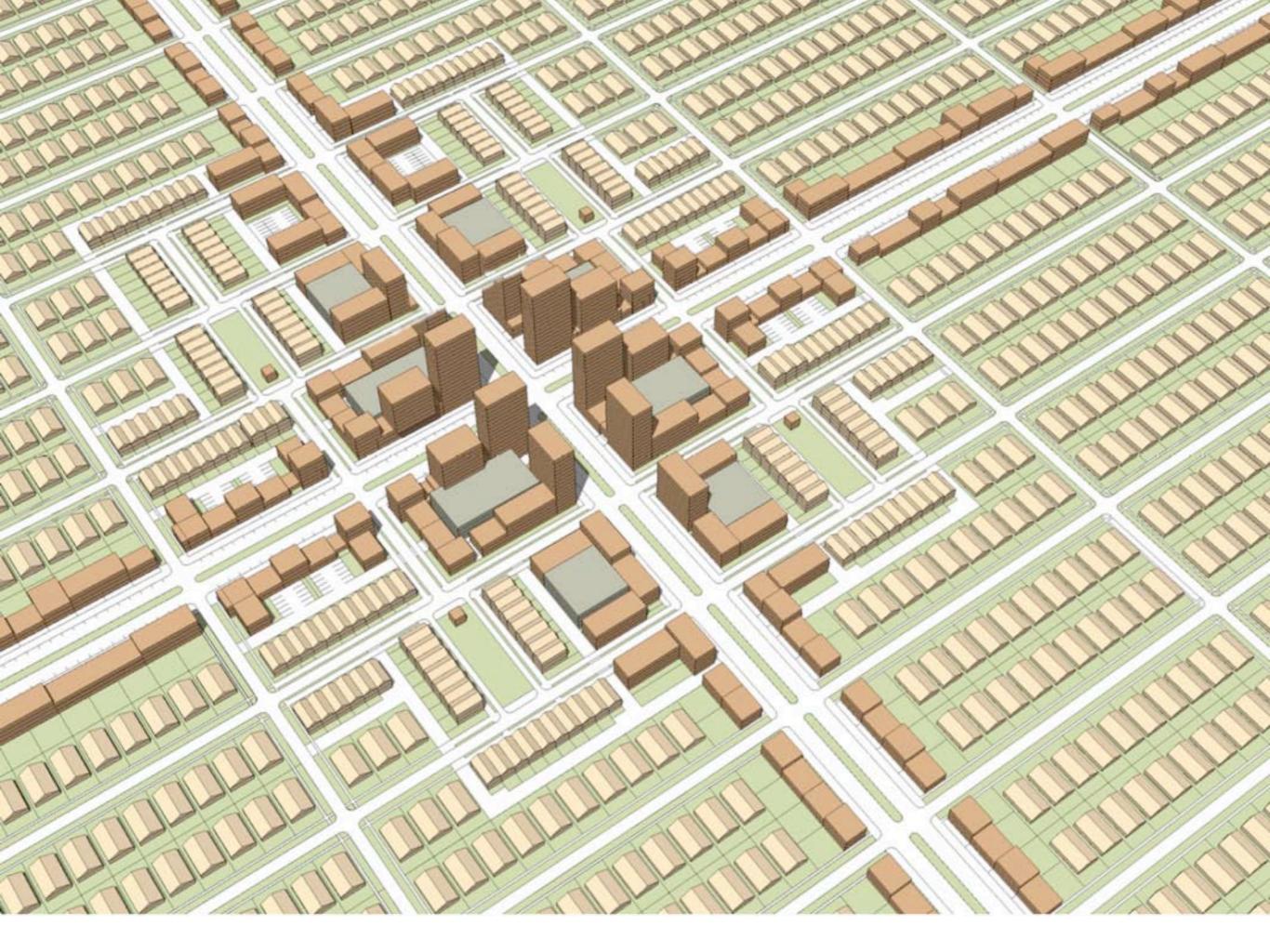










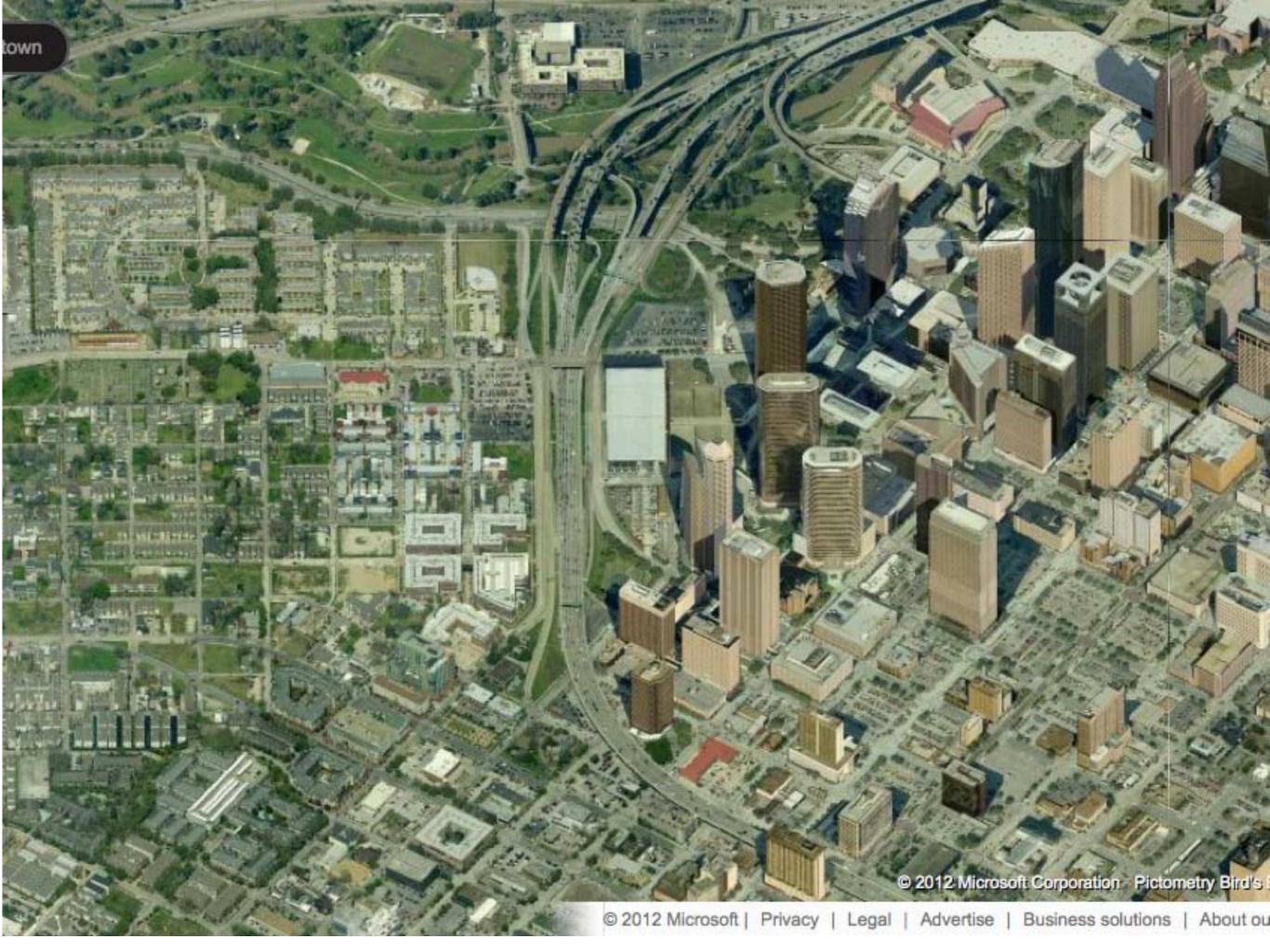


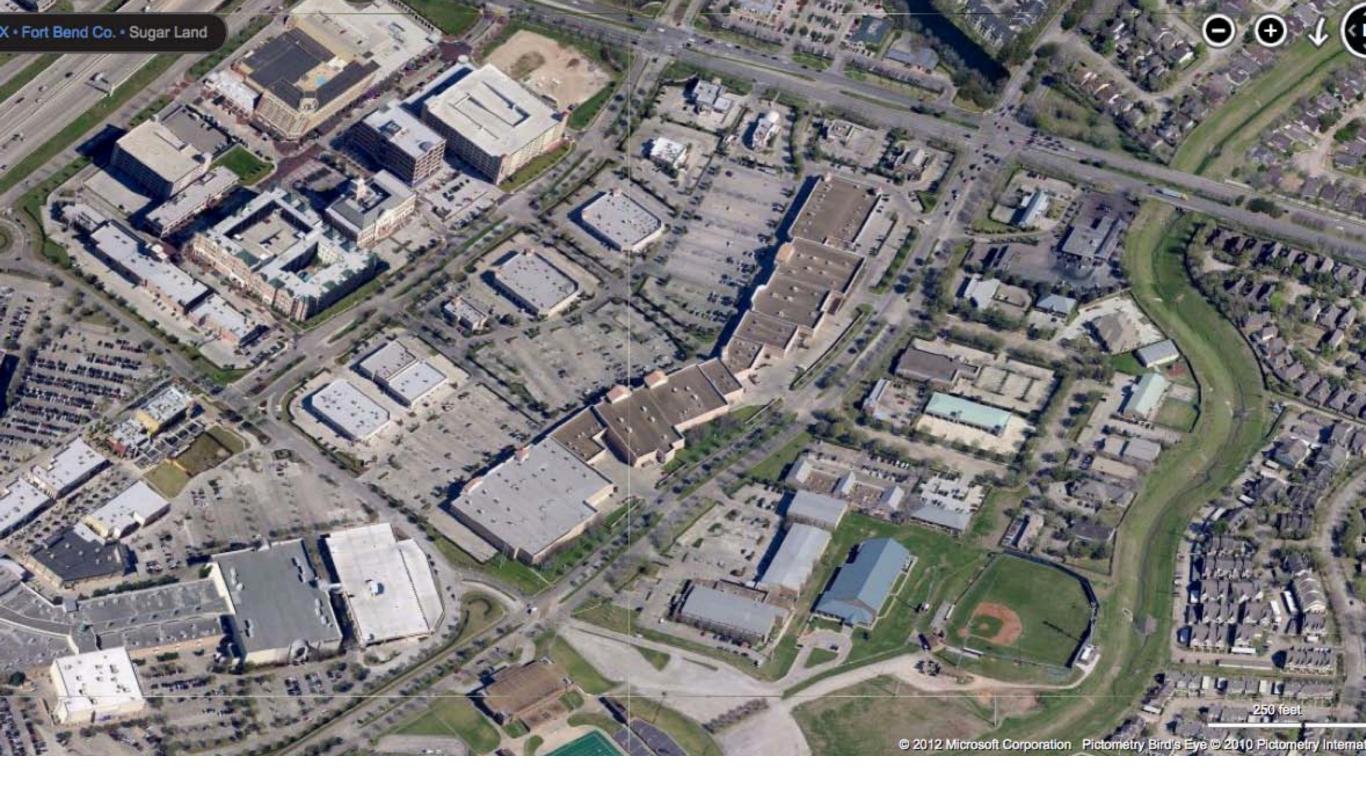


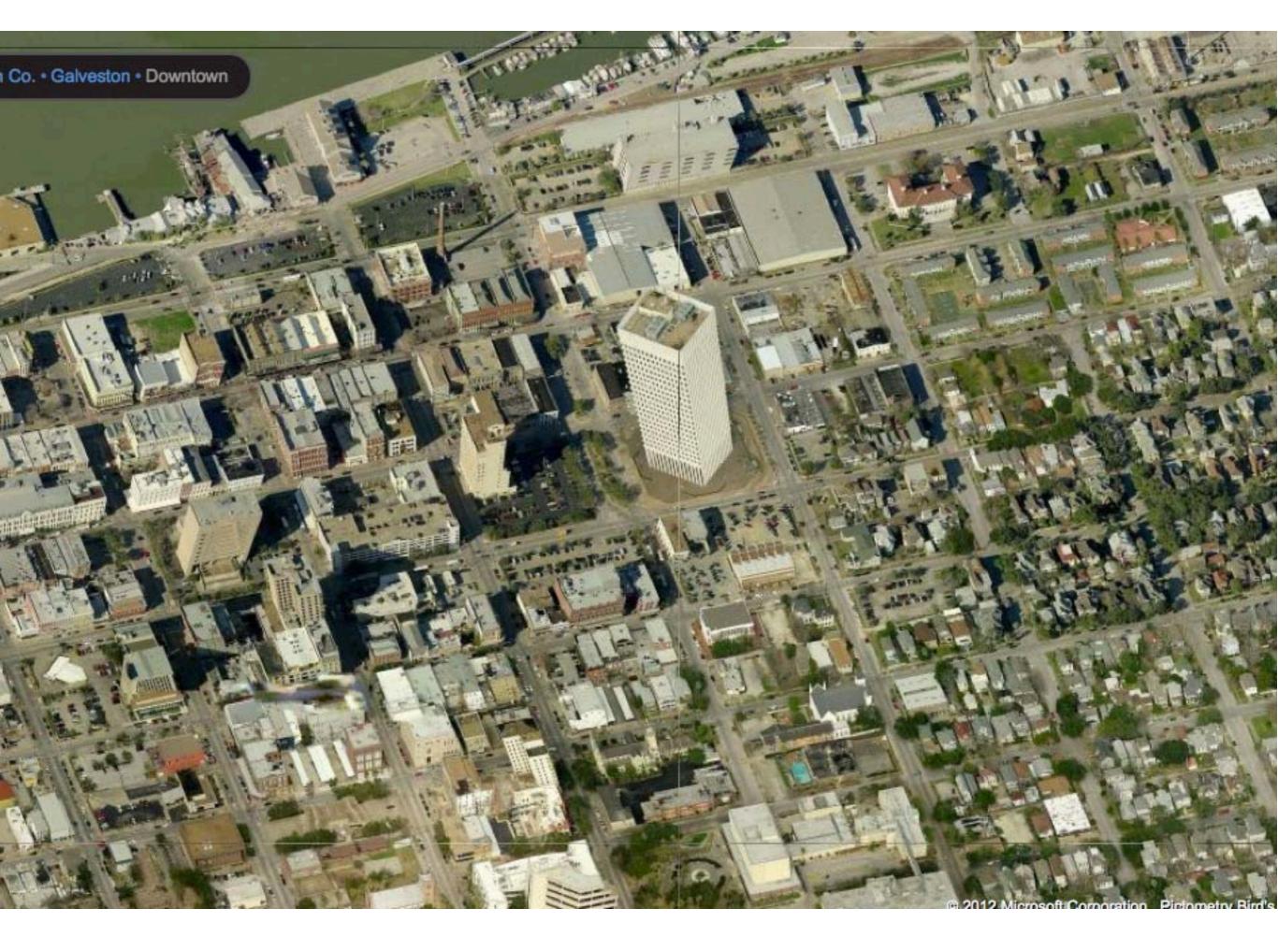












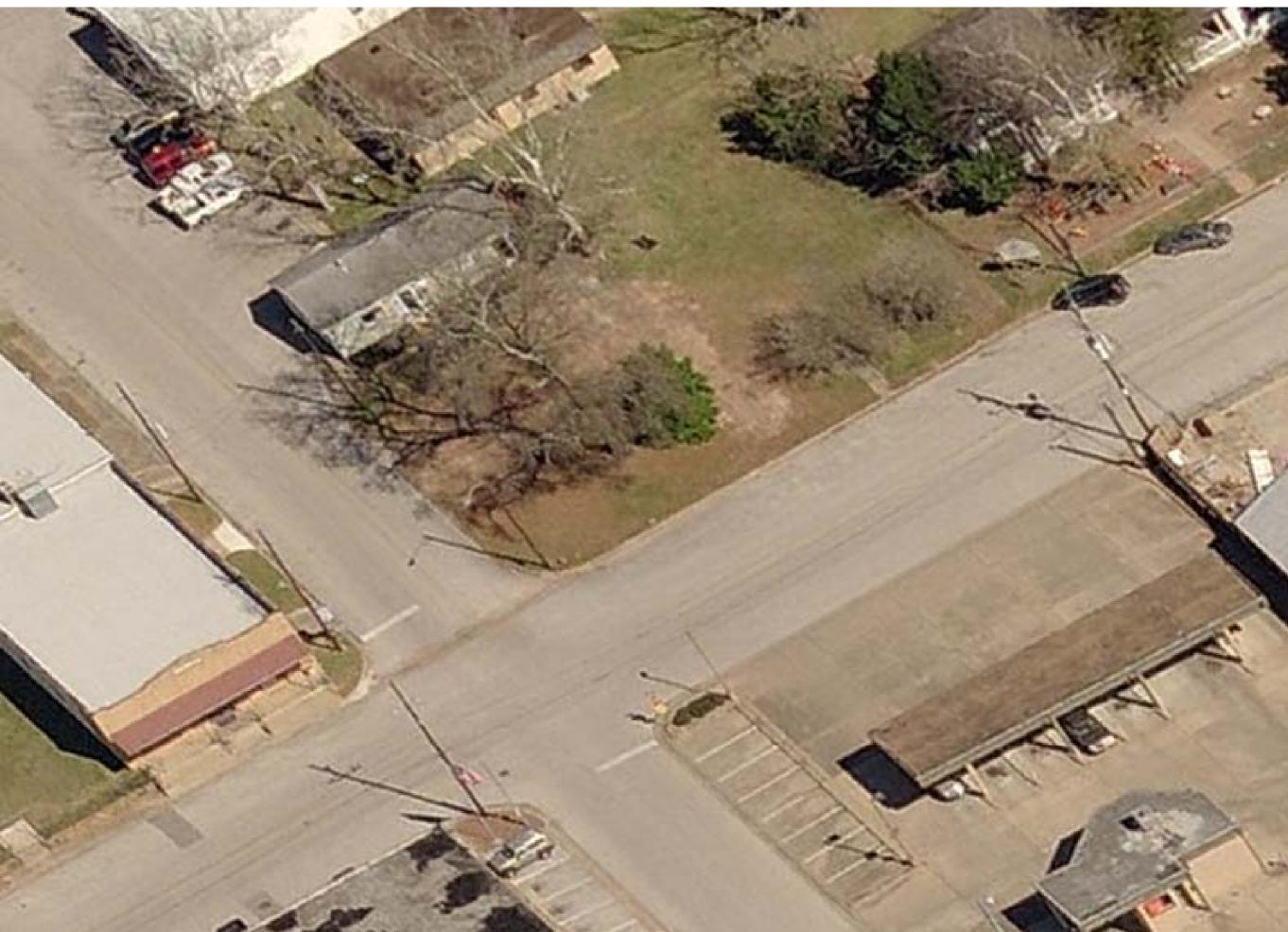
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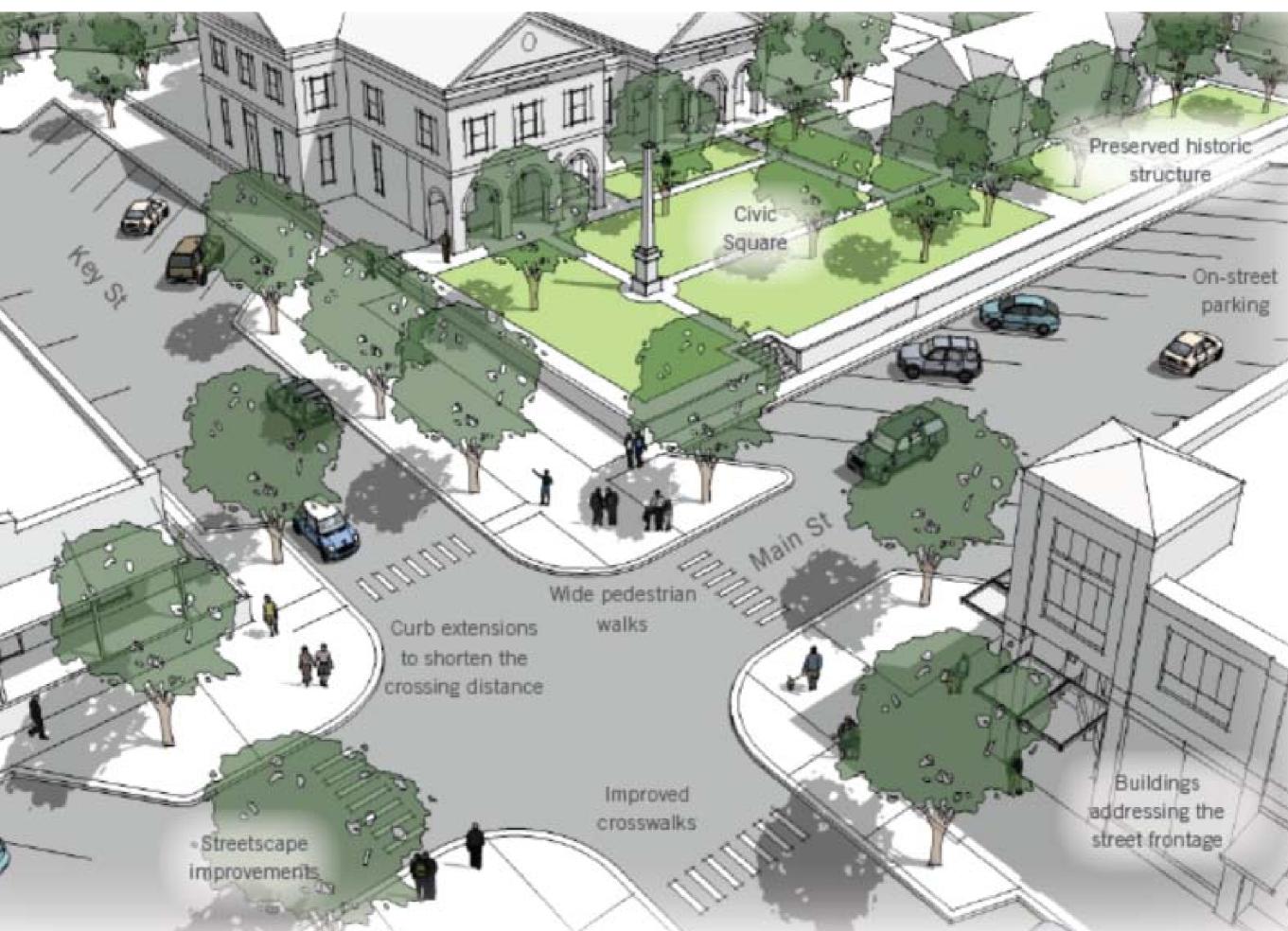
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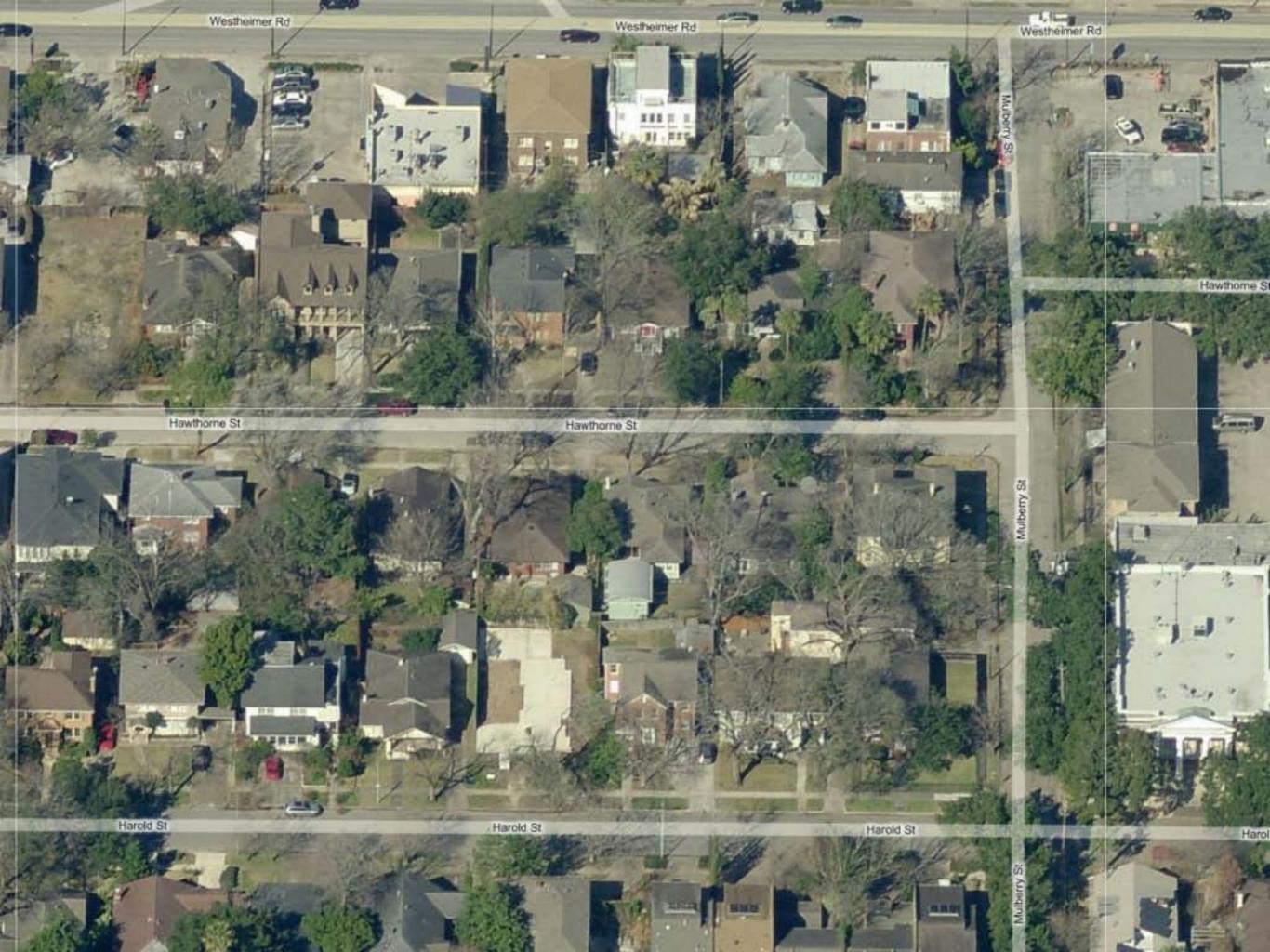


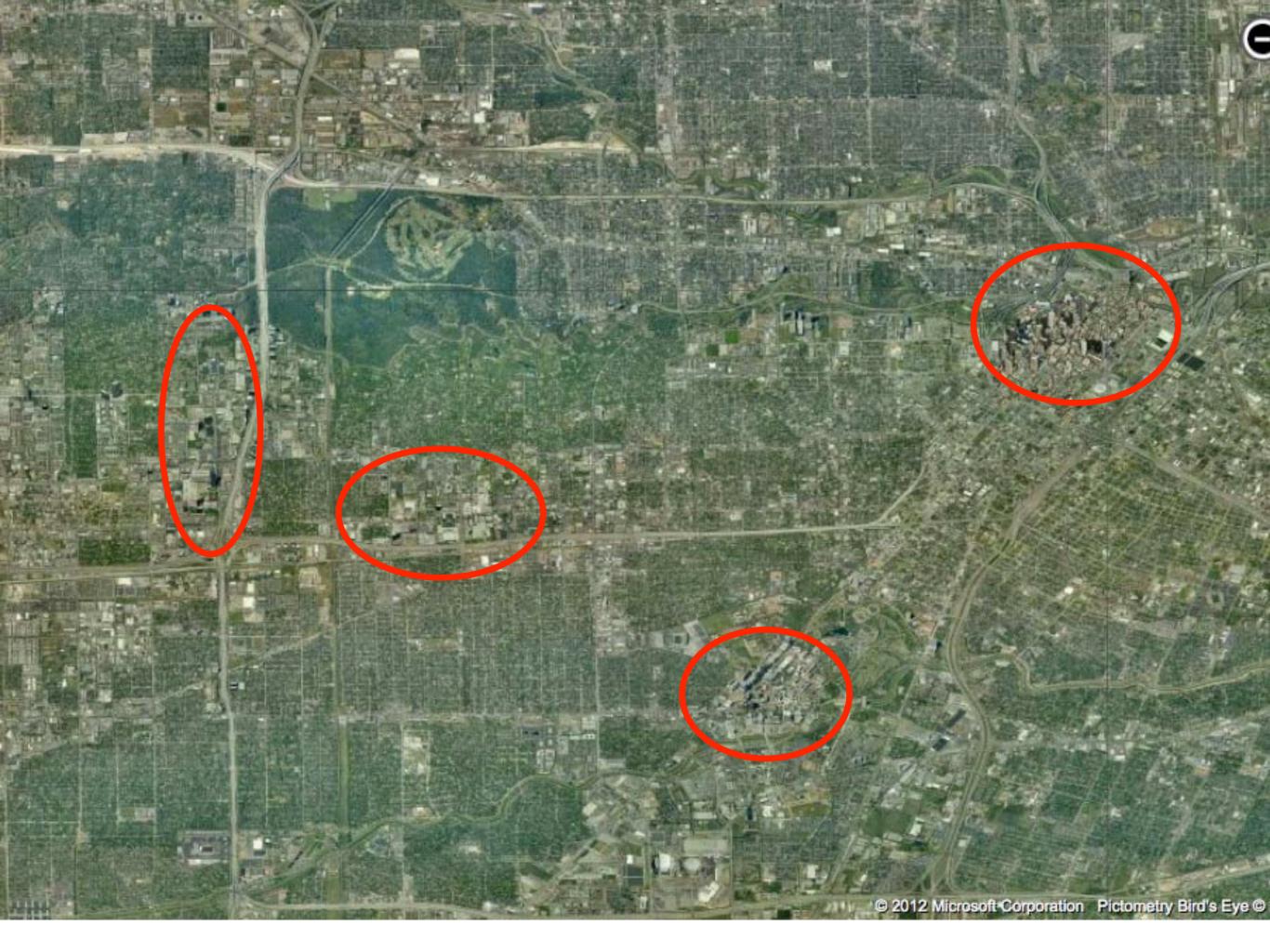
#### **Downtown Waller now**

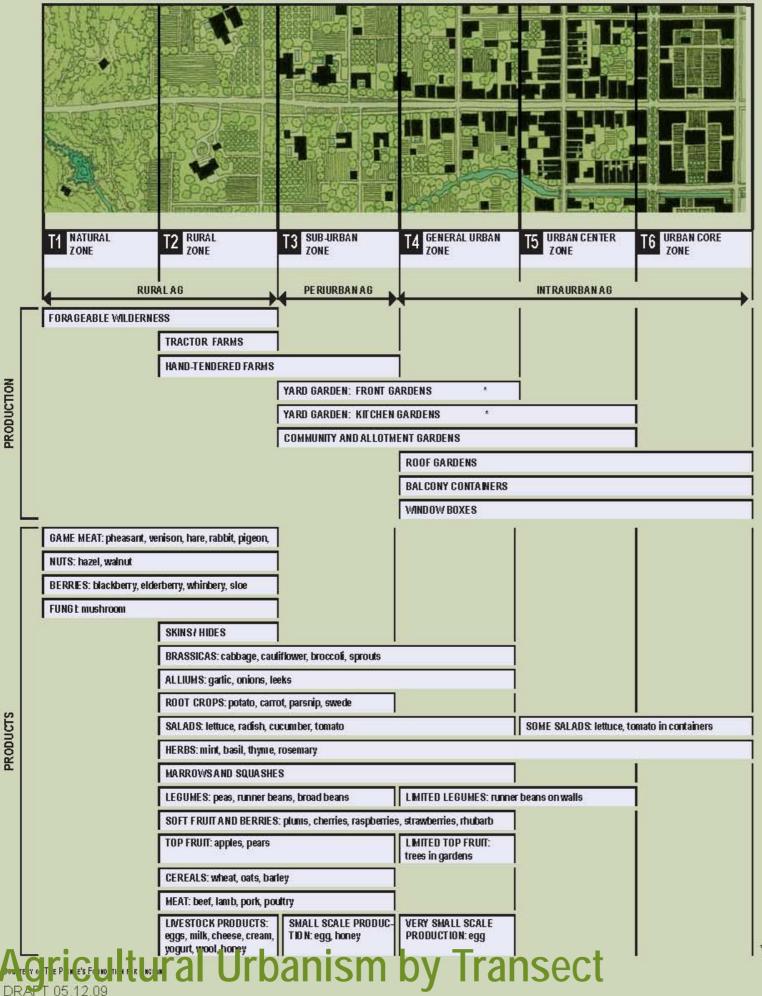


#### **Downtown Waller tomorrow**







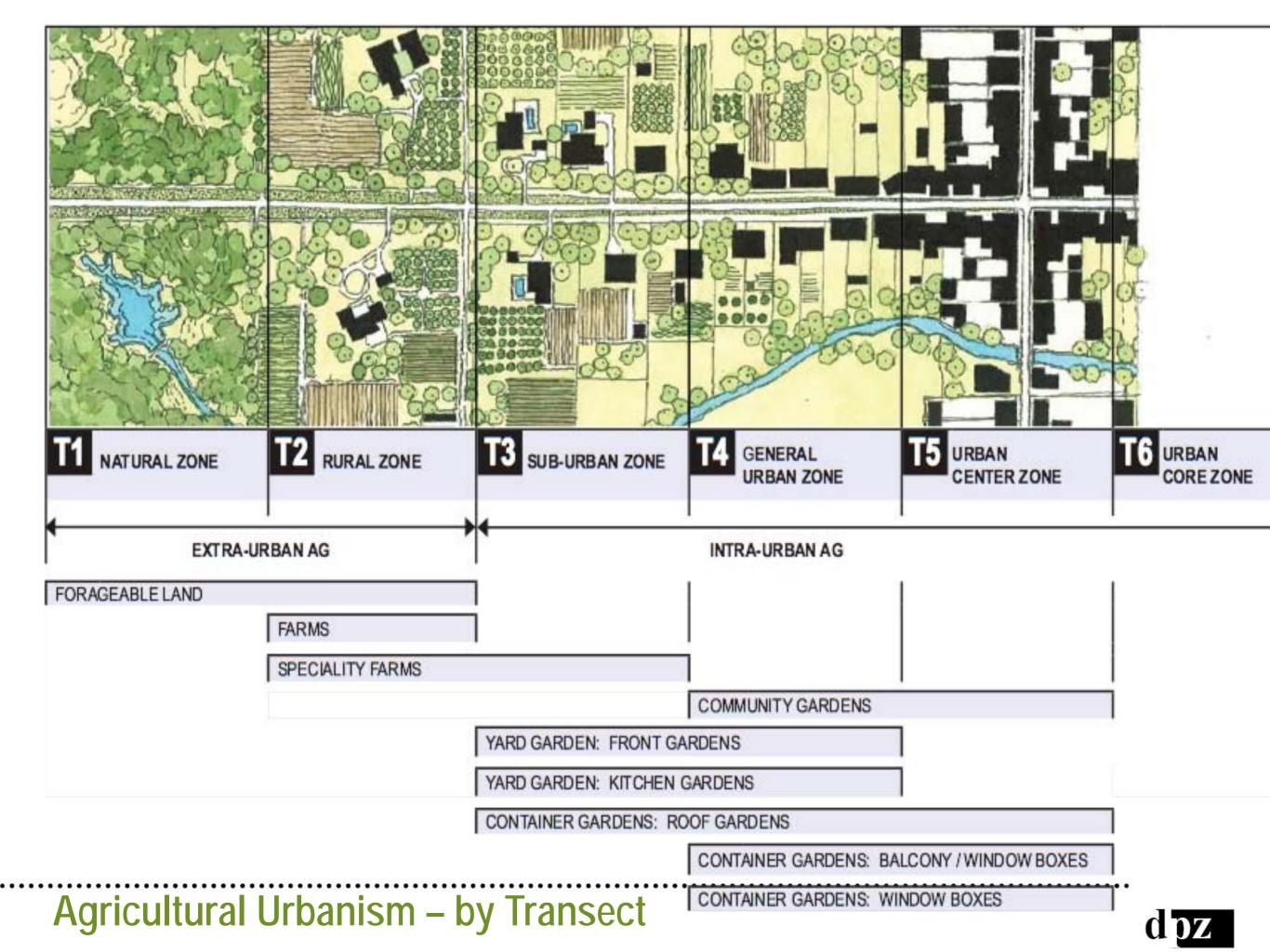


## Food Production Along the Transect

Every dwelling along the transect will contribute in some measure to food production, either by labor or by wages. Owner's association agreements regarding dedicating the funding which is normally allocated to landscape will be for agriculture subsidies. Producing food on-site allows:

- Greater independence from mass-produced food, buffering from petroleum shortages, less pressure on government
- Control over food processing, including: pesticides and other additives to food, humane treatment of animals
- Social Benefits of including nondriving members of society in economy
- Economic Self-Sustainability: food is a reliable commodity, particularly when the means to preserve it through with *Value Added Agriculture* is considered

\* Allowed by Warrant





Agricultural Urbanism Project - Hertfordshire, UK





Agricultural Urbanism Project – Southlands, B.C. Canada



