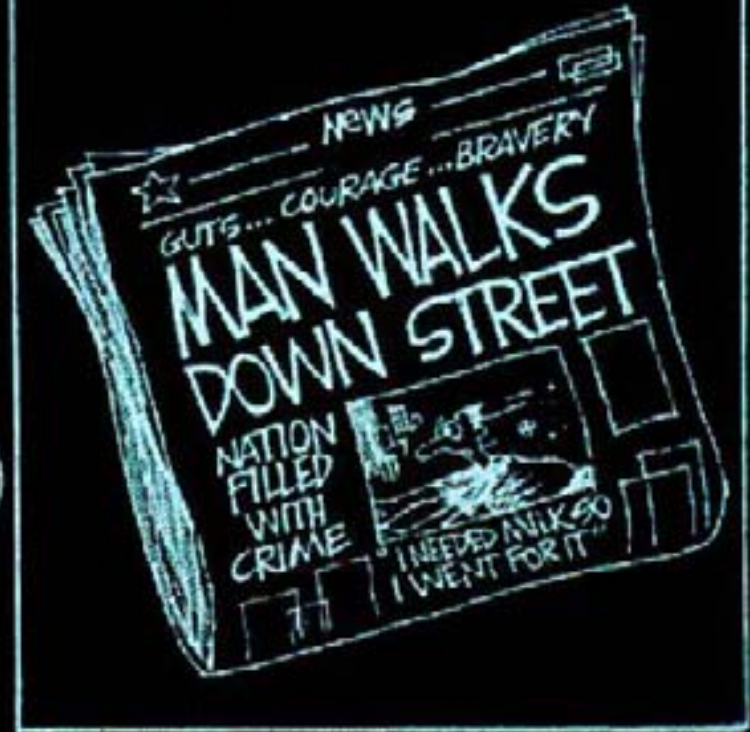


35th Anniversary of Walk

1969



2004













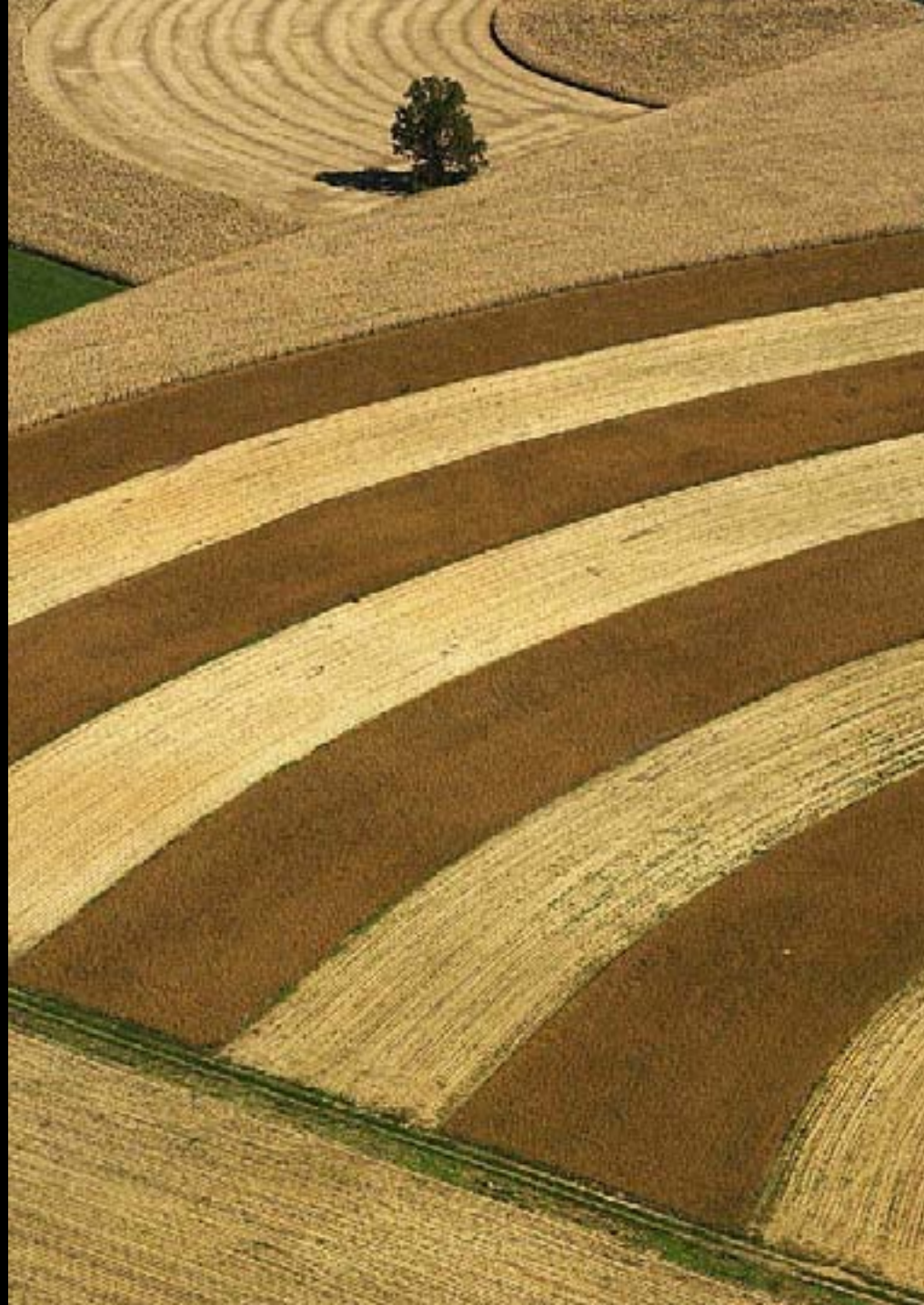




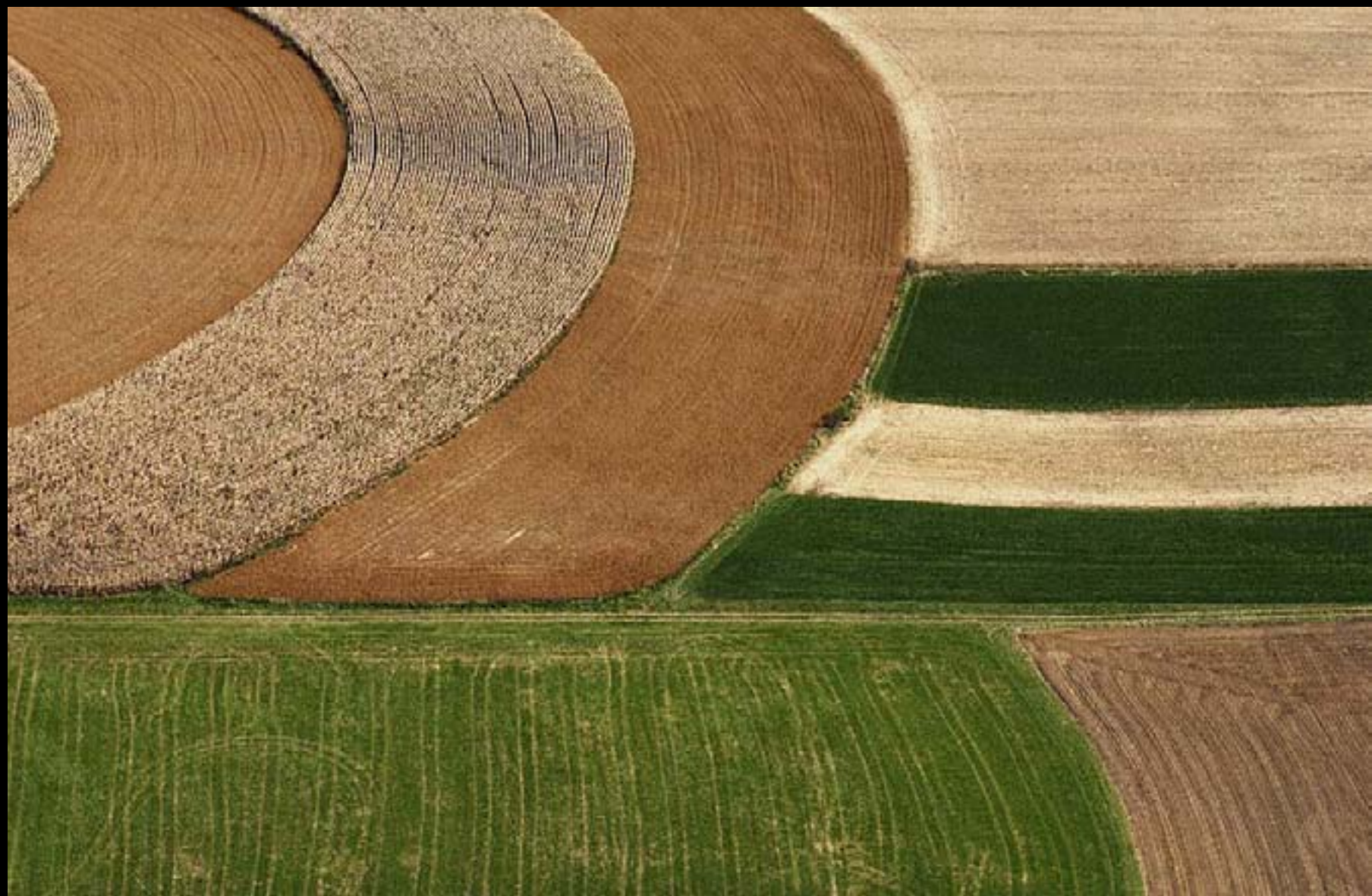






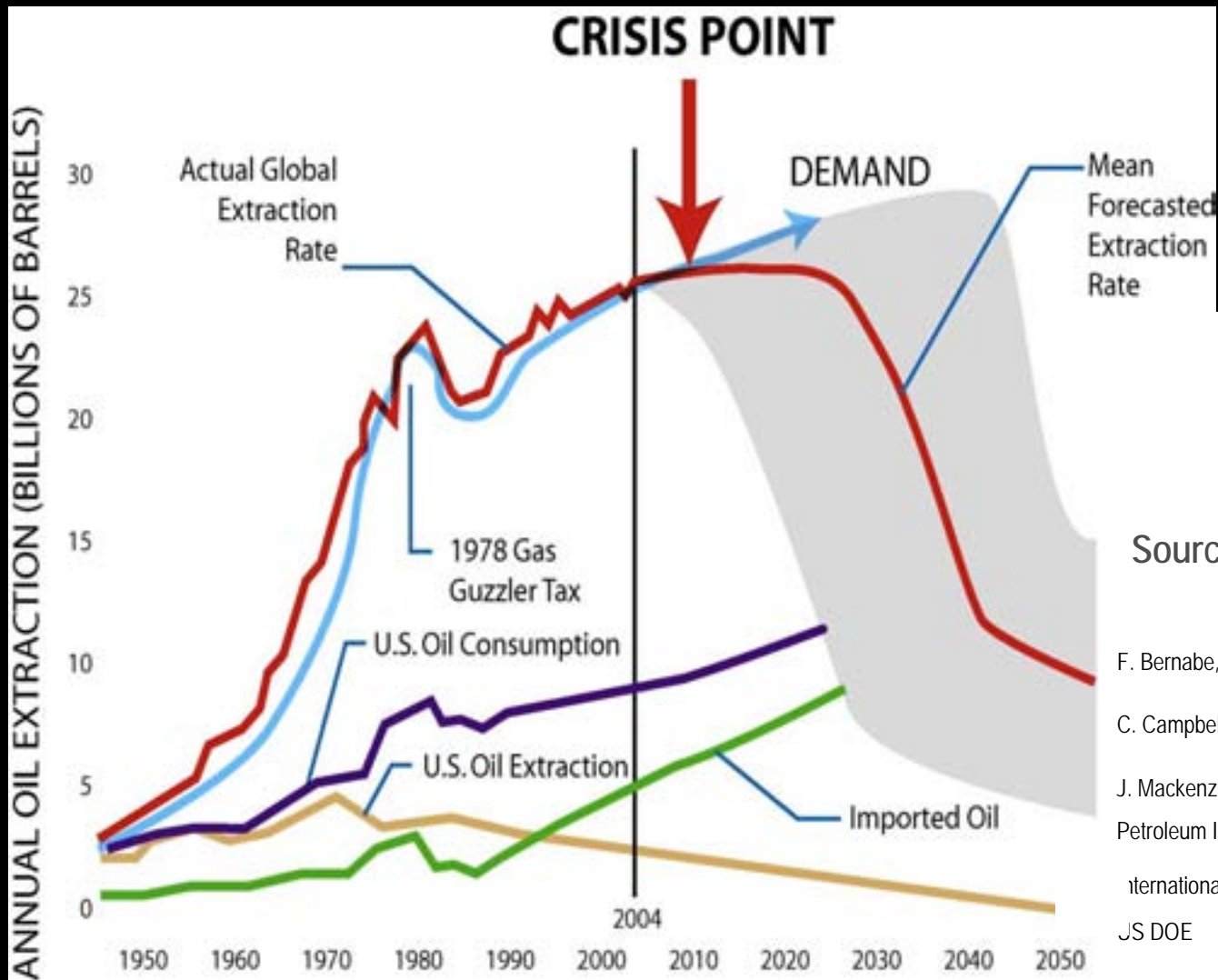






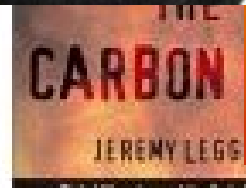
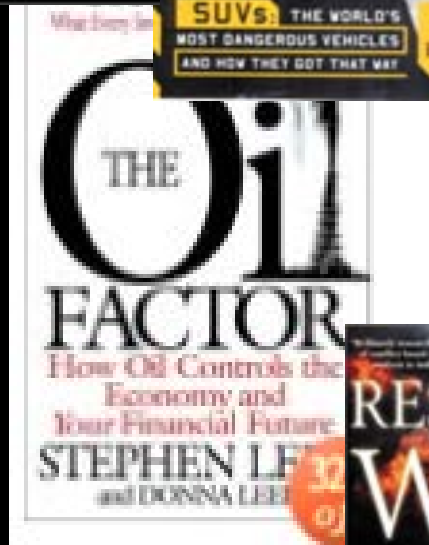
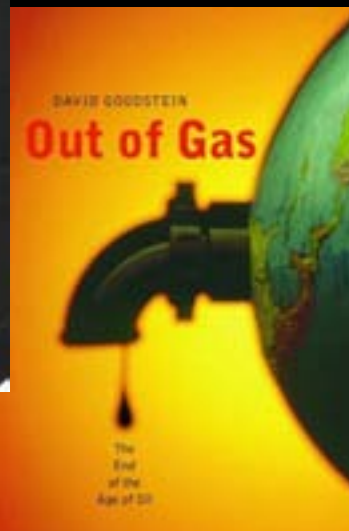
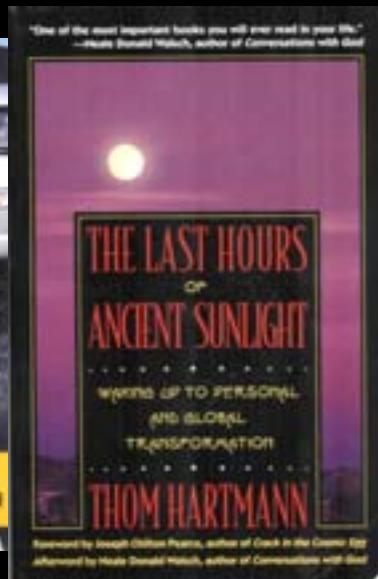
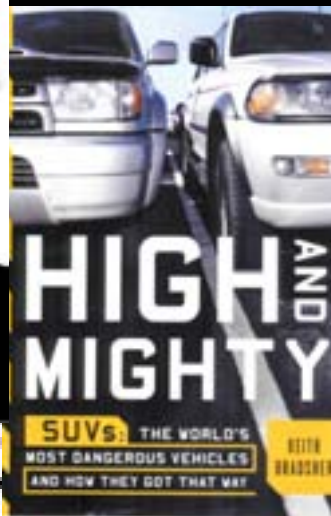
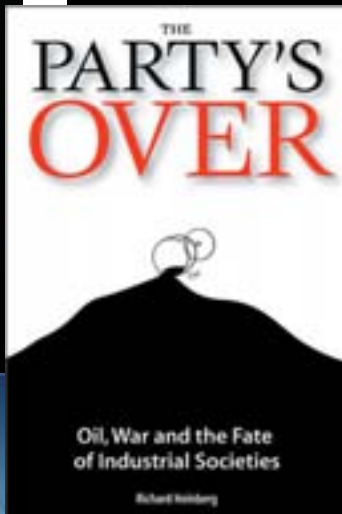




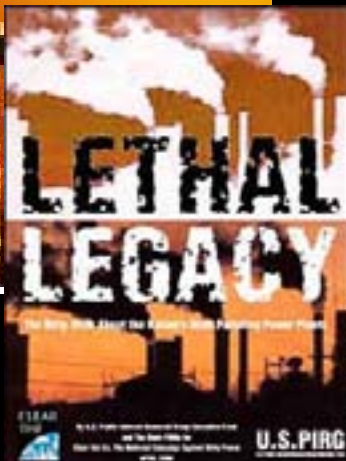
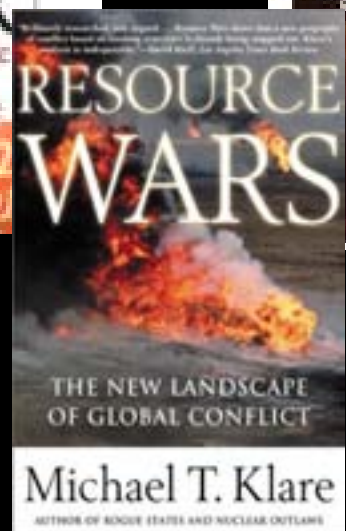
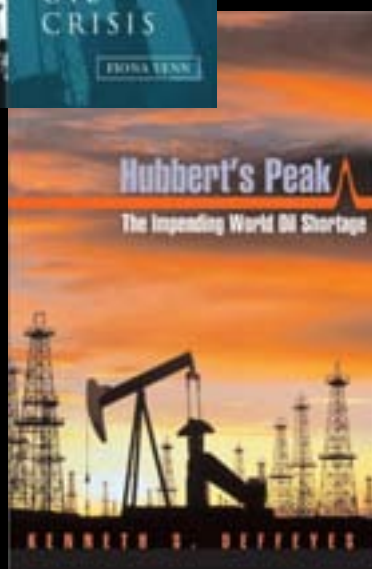


Peak Oil Reserve Forecasts

Source	Peak Date
F. Bernabe, ENI SpA	2005
C. Campbell, Petroconsultants	2005-2010
J. Mackenzie, WRI	2007-2014
Petroleum Industry	2020-2040
International Energy Agency	2010-2020
US DOE	< 2020



Global Warming and the End of the Oil Era







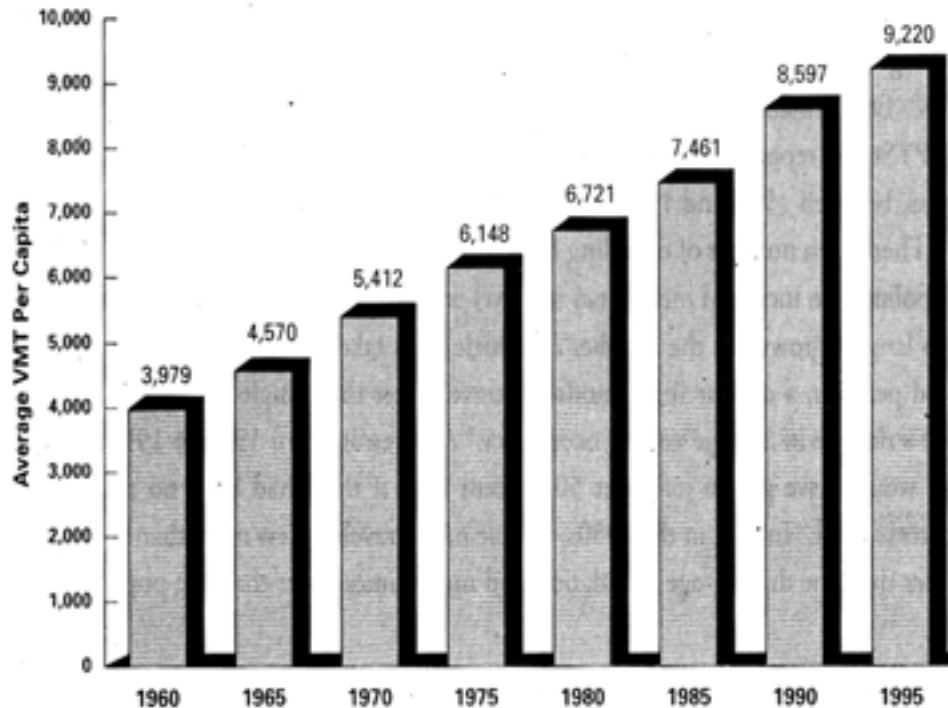


Vehicle Miles Traveled

Figure 2-2

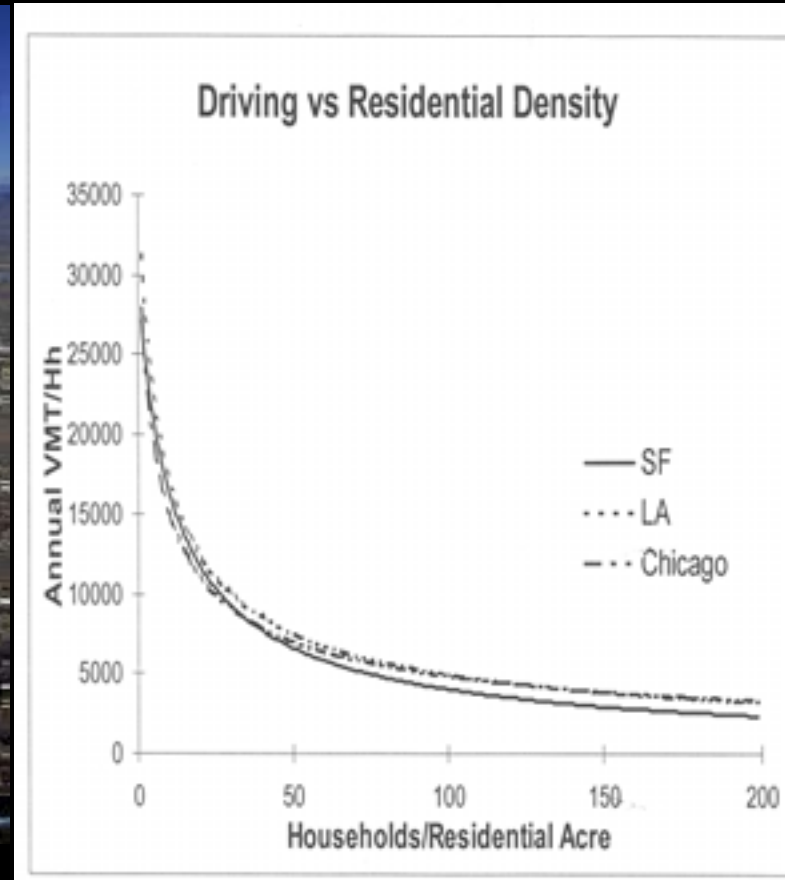
Vehicle Miles Traveled (VMT) Per Capita, 1960-1995

Source: Bureau of Transportation Statistics, U.S. Department of Transportation, *National Transportation Statistics 1998*, Washington, DC: 1998, Table 4-12; U.S. Bureau of the Census, "Historical National Population Estimates," Washington, DC: April 2, 1998.



VMT/Capita 1960-1995

Less Density = More Driving



THERE IS TOO MUCH TRAFFIC
FOR BILLY TO WALK TO SCHOOL;
SO WE DRIVE HIM.





DIABE

It Strikes
16 Million
Americans

Are You
at Risk?

Computer drawing of a human insulin molecule

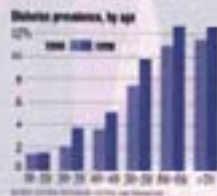
SOCIETY

An American Epidemic

Diabetes

The silent killer: Scientific research shows a 'persistent explosion' of cases—especially among those in their prime
BY JERRY ADLER AND CLAUDIA KALB

SOMETHING TERRIBLE WAS HAPPENING TO YOLANDA BENTIGER's eyes. They were being poisoned: the fragile capillaries of the retina attacked from within and were leaking blood. The first symptoms were red lines, appearing vertically across her field of vision; the lines multiplied and swirled into a haze that shut out light entirely. "Her blood vessels inside her eye were popping," says her daughter, Janette Roman, a Chicago college student. Bentiger, who was in her late 40s when the problem began four years ago, was a cleaning woman, but she had to stop working. After five surgeries, she has regained vision in one eye, but the other is completely useless. A few weeks ago, awakening one night in a hotel bedroom, she walked into a closet, setting off a paroxysm of pain and nausea that hasn't let up yet. And what caused this catastrophe was nothing as exotic as pesticides or eating too much. What was poisoning Bentiger was sugar.

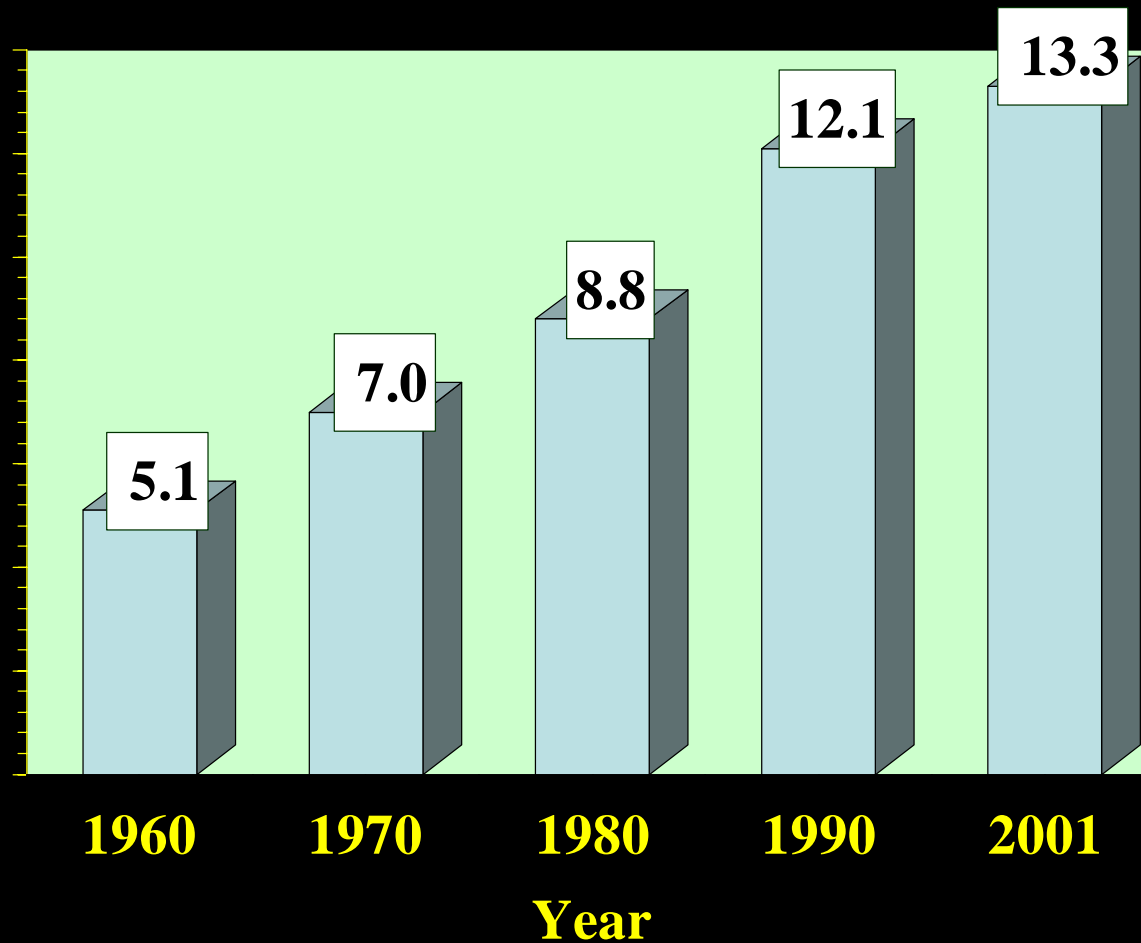


Heredity

Genes help determine whether you'll get diabetes. In many families, multiple generations are struck. But heredity is not destiny—especially if you eat well and exercise.

JERRY ADLER Bentiger's father and Roman, Bentiger's mother and her brother, died from complications of the disease.

Health Care Expenditures as % of GDP 1960-2001



Asthma outbreak hits kids
RISKS OF THE 'RED ZONE'



JOHN GETTISON / Staff
A young boy, 2, breathes fresh air Friday as his aunt Susan Thomas tends him at Atlanta's Hughes Spaulding Children's Hospital. High smog readings in metro Atlanta have produced a flare-up of asthma cases, especially among children.

al-Constitution SATURDAY, AUG. 19, 2000

The Atlanta Journal-Constitution

AUG. 19, 2000

SATURDAY

Smothered in smog



JOHN SPINK / Staff

Atlanta looked like Los Angeles on Friday, as heat hovered around 100 and smog hung in the air. This view is southwesterly, from DeKalb-Peachtree Airport.

Fatality proves sad truth: Heat can kill

Surgeon General's Report

21% US citizens
ages 9-17 have a
diagnosable
mental or addictive
disorder
associated with at
least minimum
impairment





Depressive Disorders

19 million American adults

- **Leading cause of disability in the USA**
- **Treatment:**
 - **Medication**
 - **Social Contact, including therapy**
 - **And.....**



One person walking
is exercise.



Millions of people walking
is a step toward keeping
healthcare affordable.

The illness and chronic disease resulting from inactive lifestyles cost as much as \$77 billion a year to treat. That's why Blue Cross and Blue Shield Plans across the nation are launching **WalkingWorks**SM, an unprecedented effort to work with employers to help Americans add physical activity to their daily routines. It's one of the many ways we're doing our part to control rising healthcare costs. For more information, visit our web site at www.bcbs.com.

Healthcare. Affordable. Now.



**BlueCross BlueShield
Association**

An Association of Independent
Blue Cross and Blue Shield Plans

Exercise Walk

AMERICA'S FATTEST CITIES - 4th Annual Report

WHEN PERFORMANCE COUNTS

FEBRUARY 2011

Men's Fitness

20 LBS IN 8 WEEKS

TORCH YOUR FAT!

**BIGGER
ARMS
FASTER**
Biceps
Tweak
Revealed

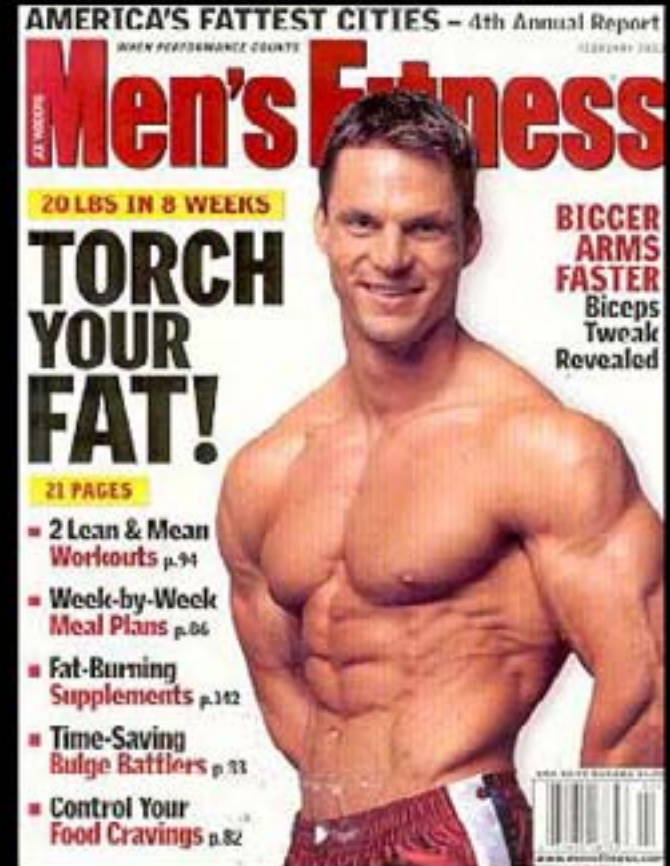
21 PAGES

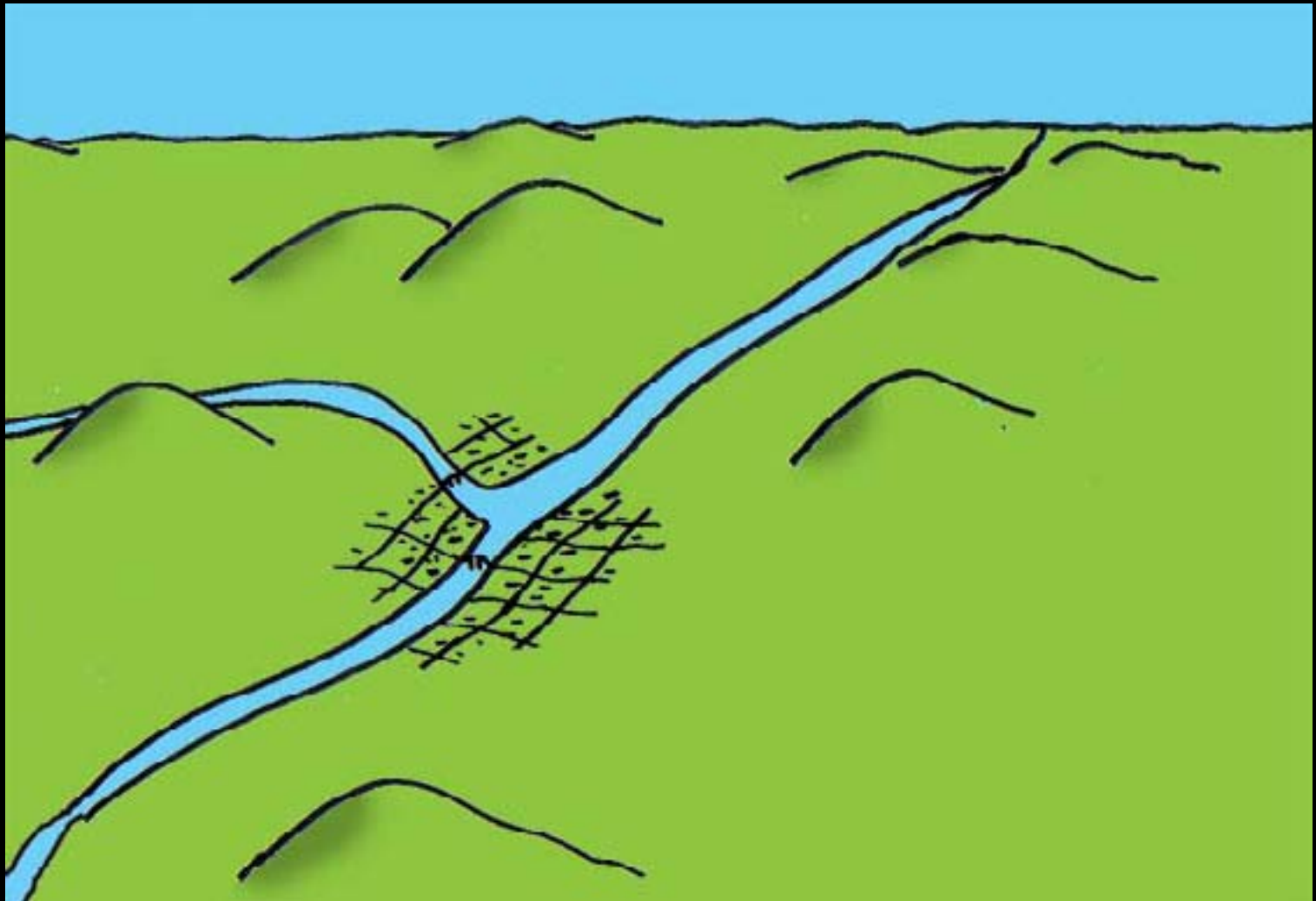
- 2 Lean & Mean Workouts p. 94
- Week-by-Week Meal Plans p. 66
- Fat-Burning Supplements p. 162
- Time-Saving Bulge Battlers p. 33
- Control Your Food Cravings p. 82

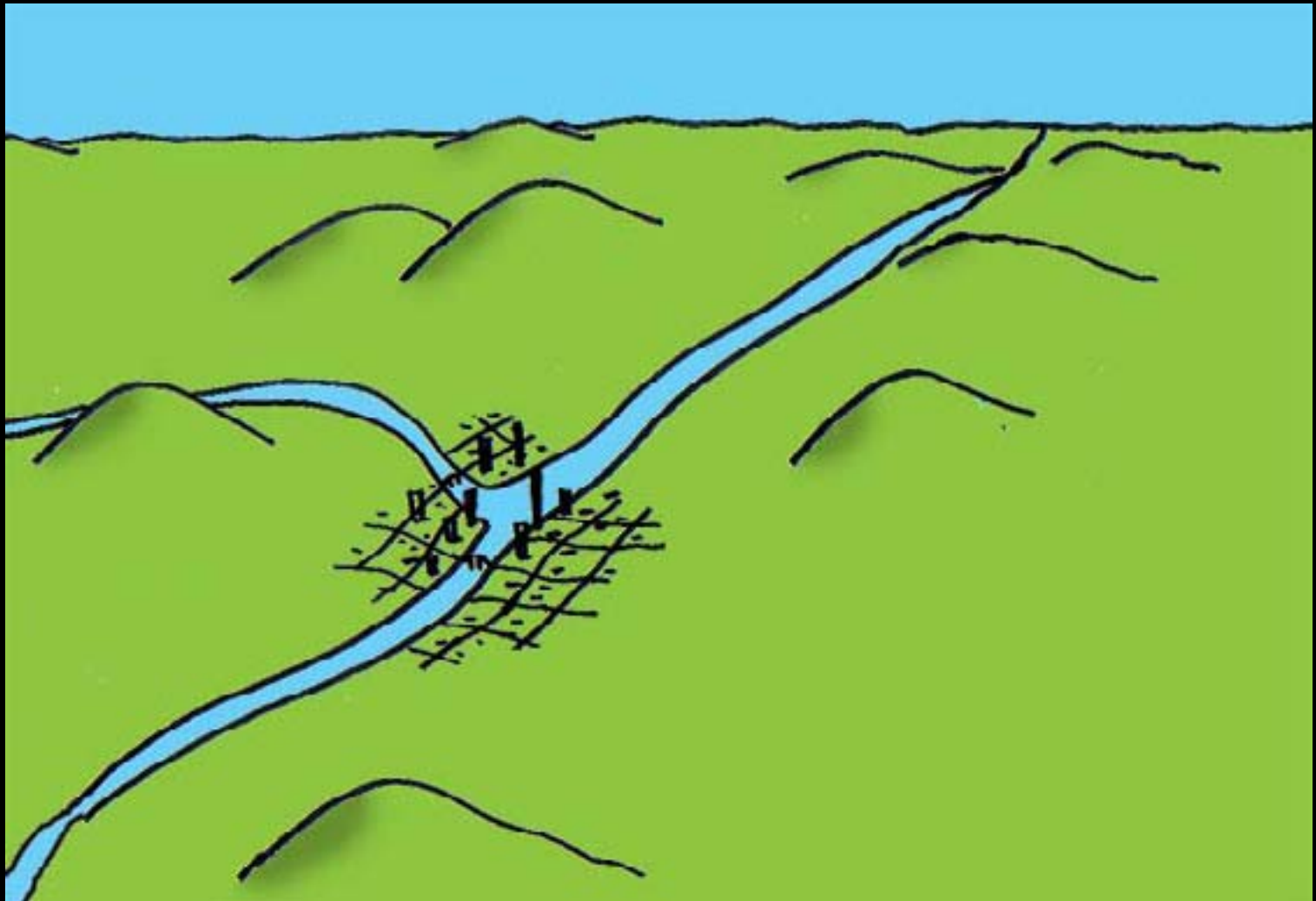


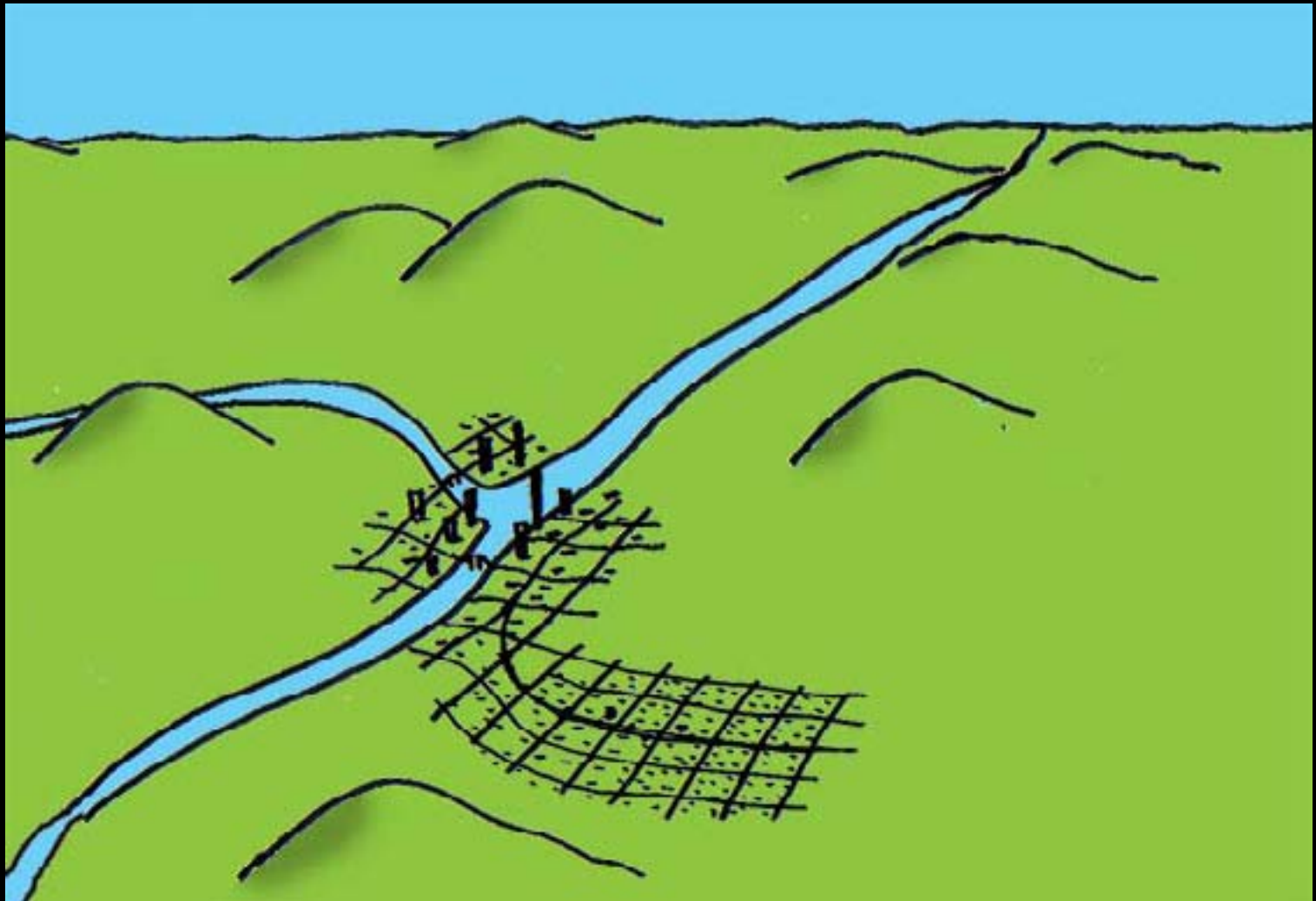
“It’s probably something to do with culture ... We’re not a walking city...” because Detroit is, “the automobile capital of the world.

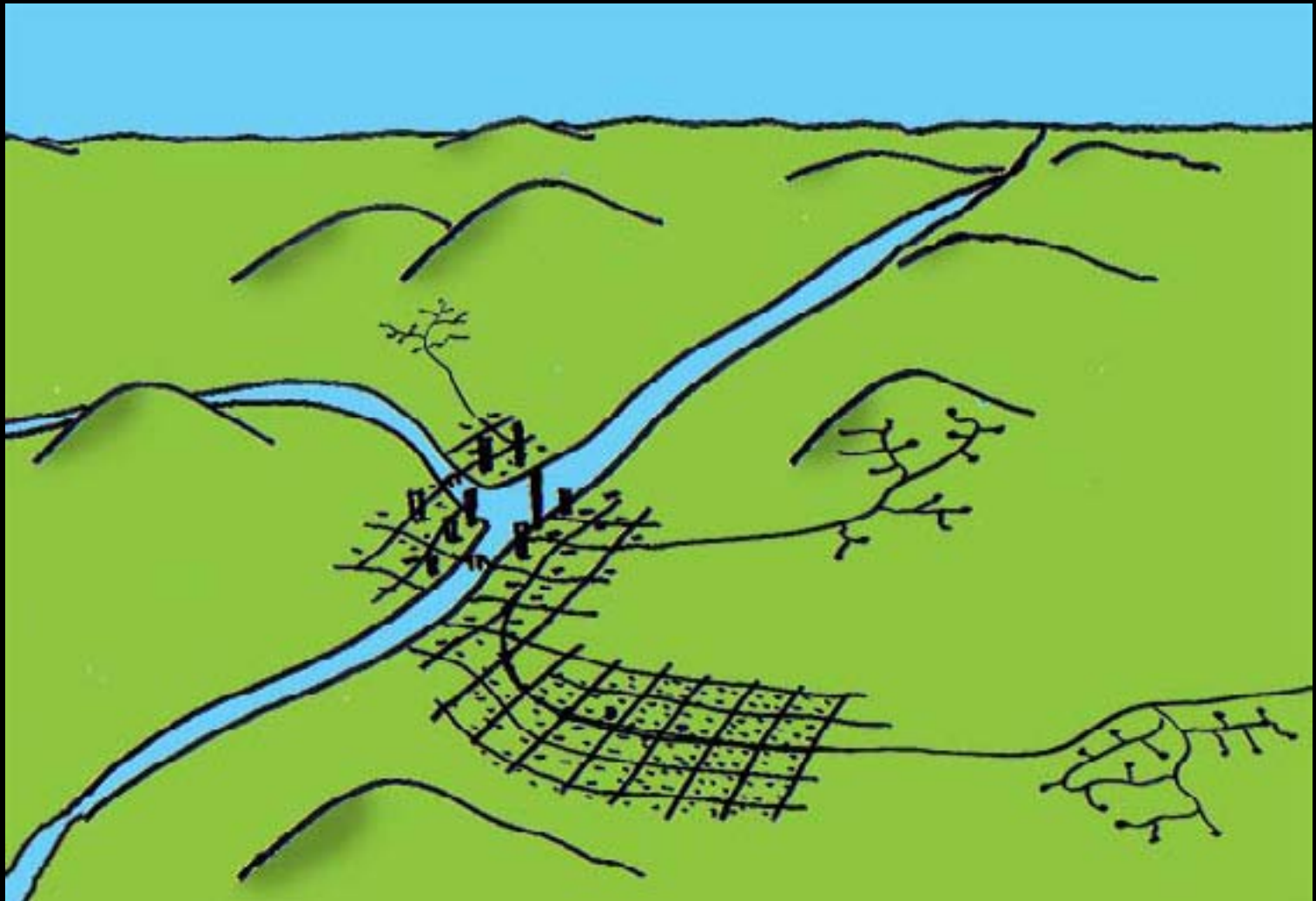
Detroit Mayor Kwame Kilpatric

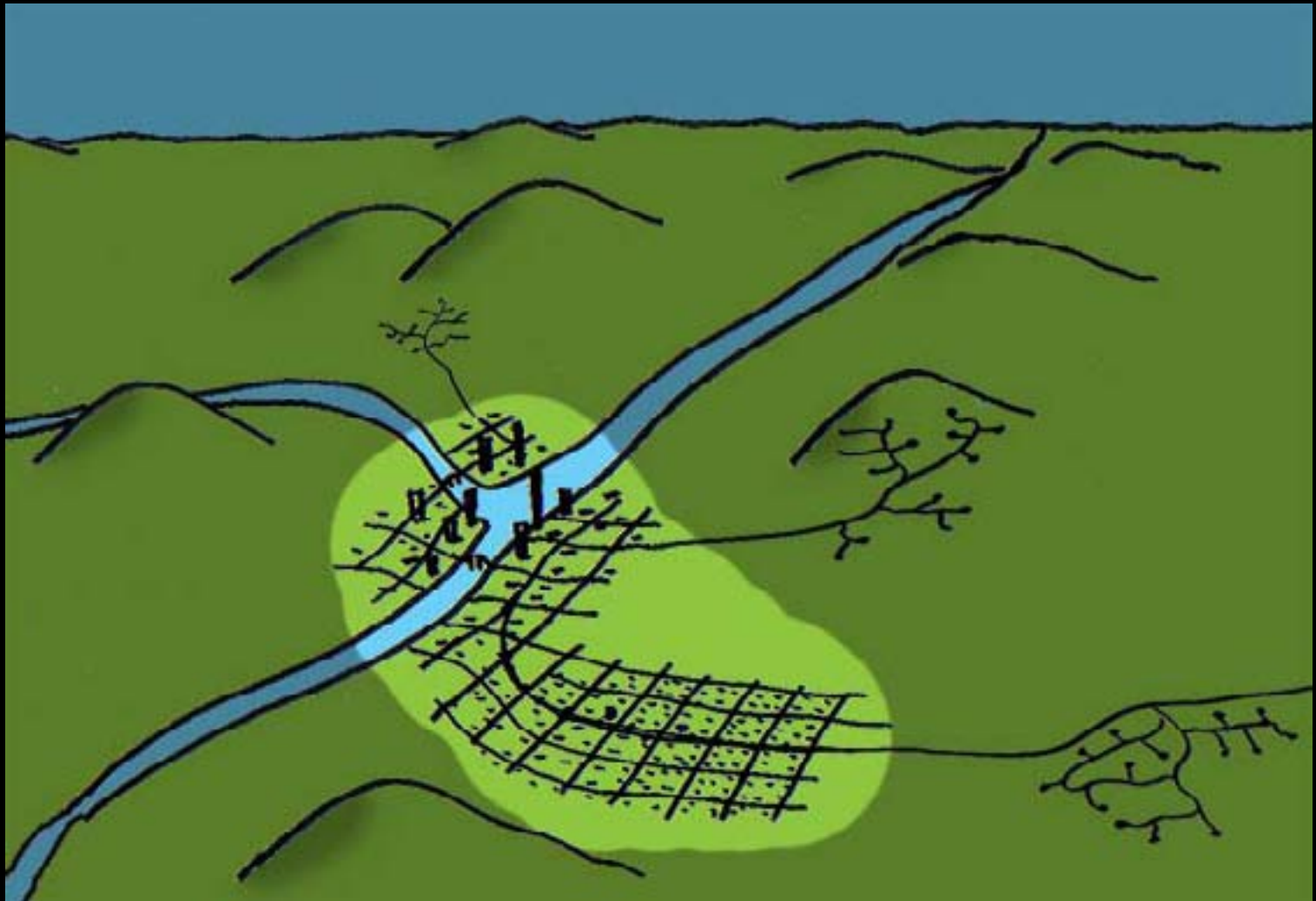












Le Corbusier

"Dawn of a new start"



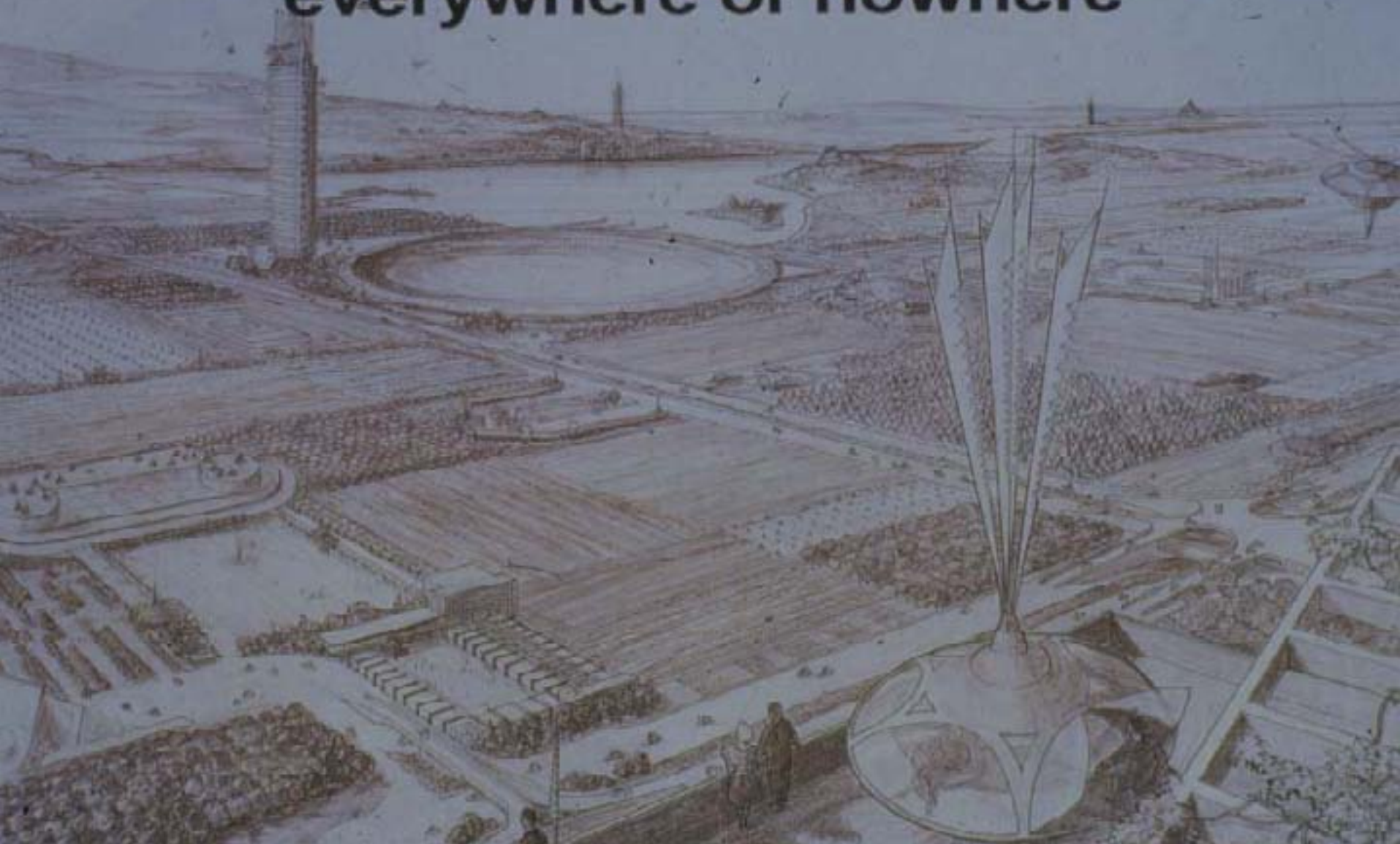
**"There is no longer any
place for the street with
it's traffic..."**



Frank Lloyd Wright



**"Broadacre City is
everywhere or nowhere"**



THE
GENERAL MOTORS
EXHIBIT BUILDING



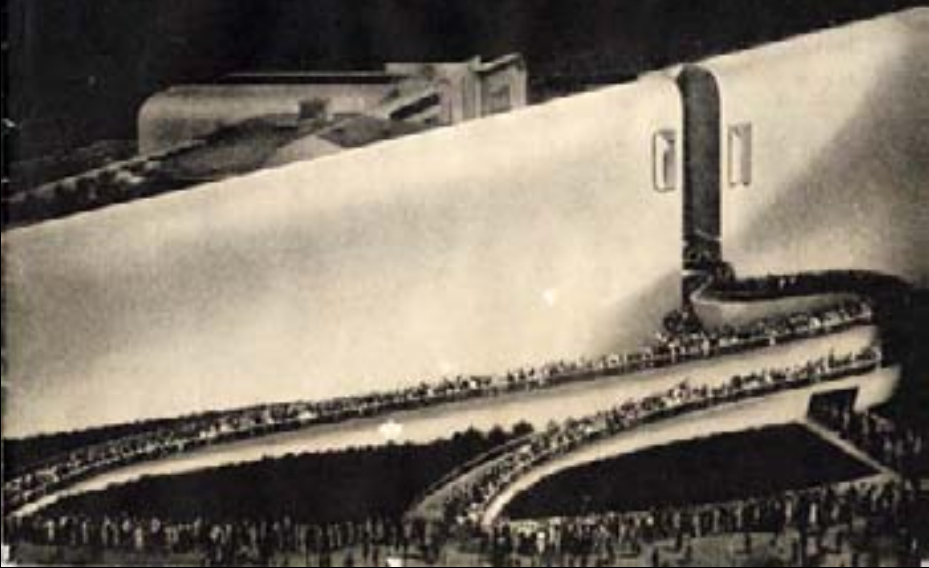
1939

New York World's Fair
HIGHWAYS AND HORIZONS

Norman Bel Geddes

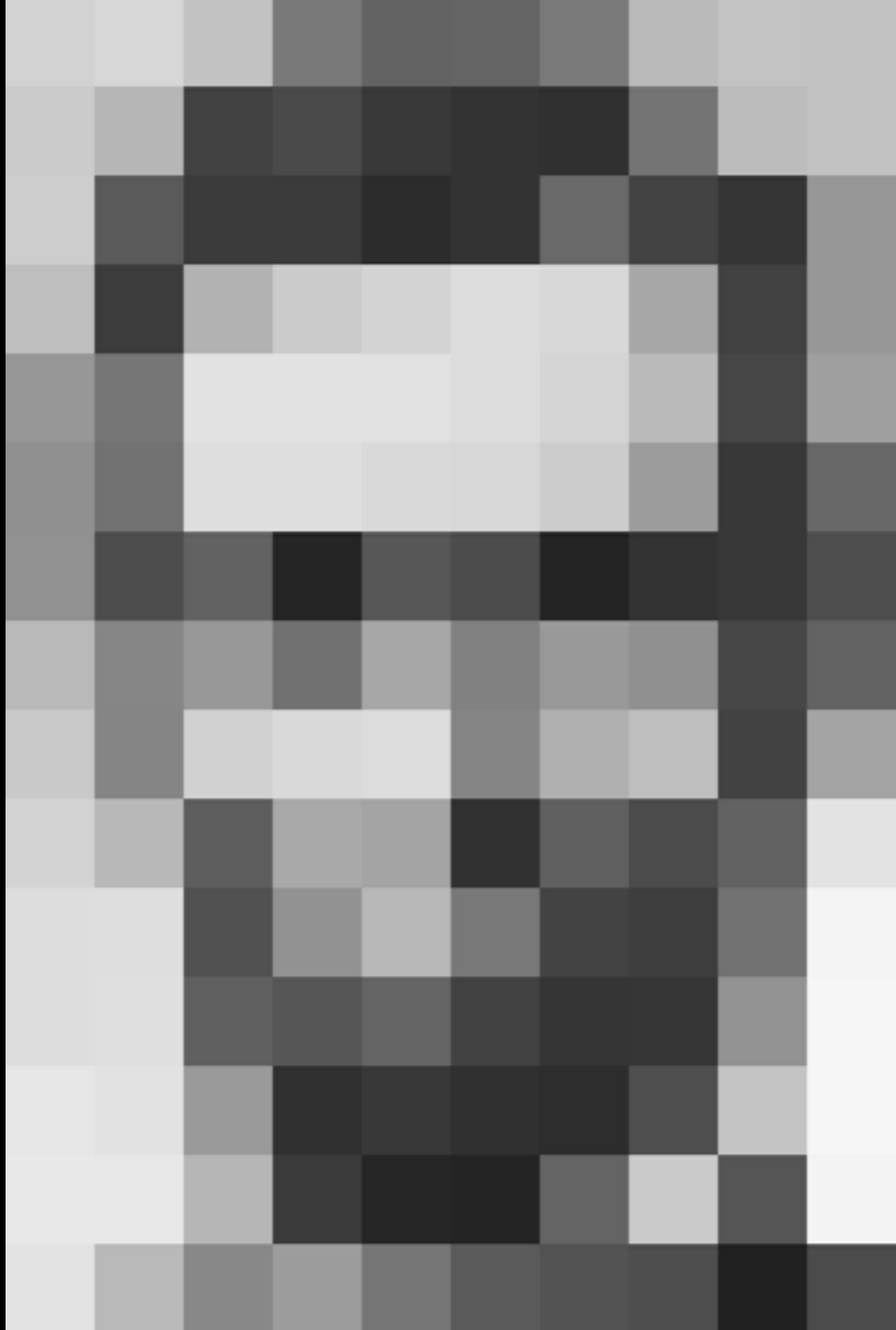


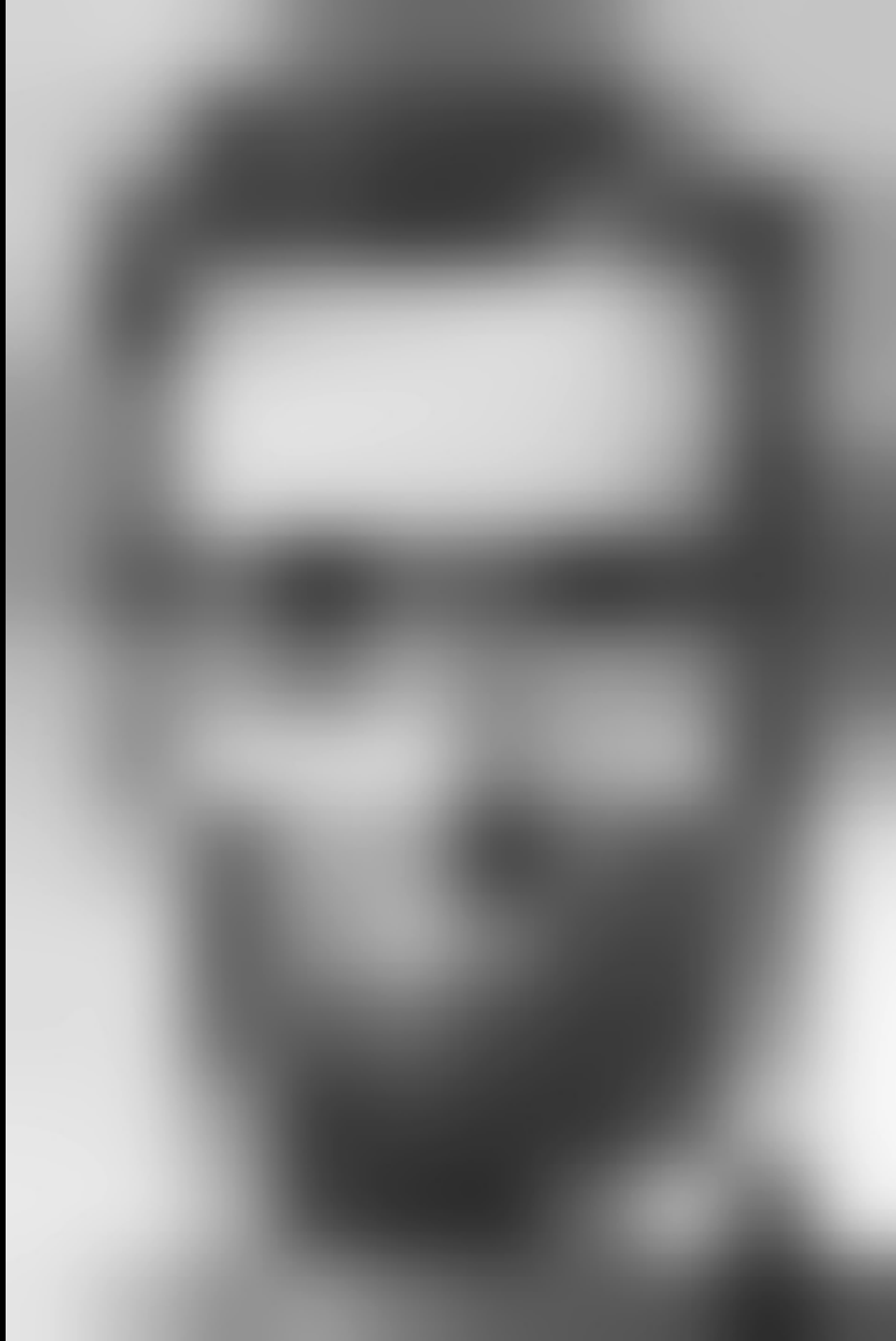
FUTURAMA





VISION





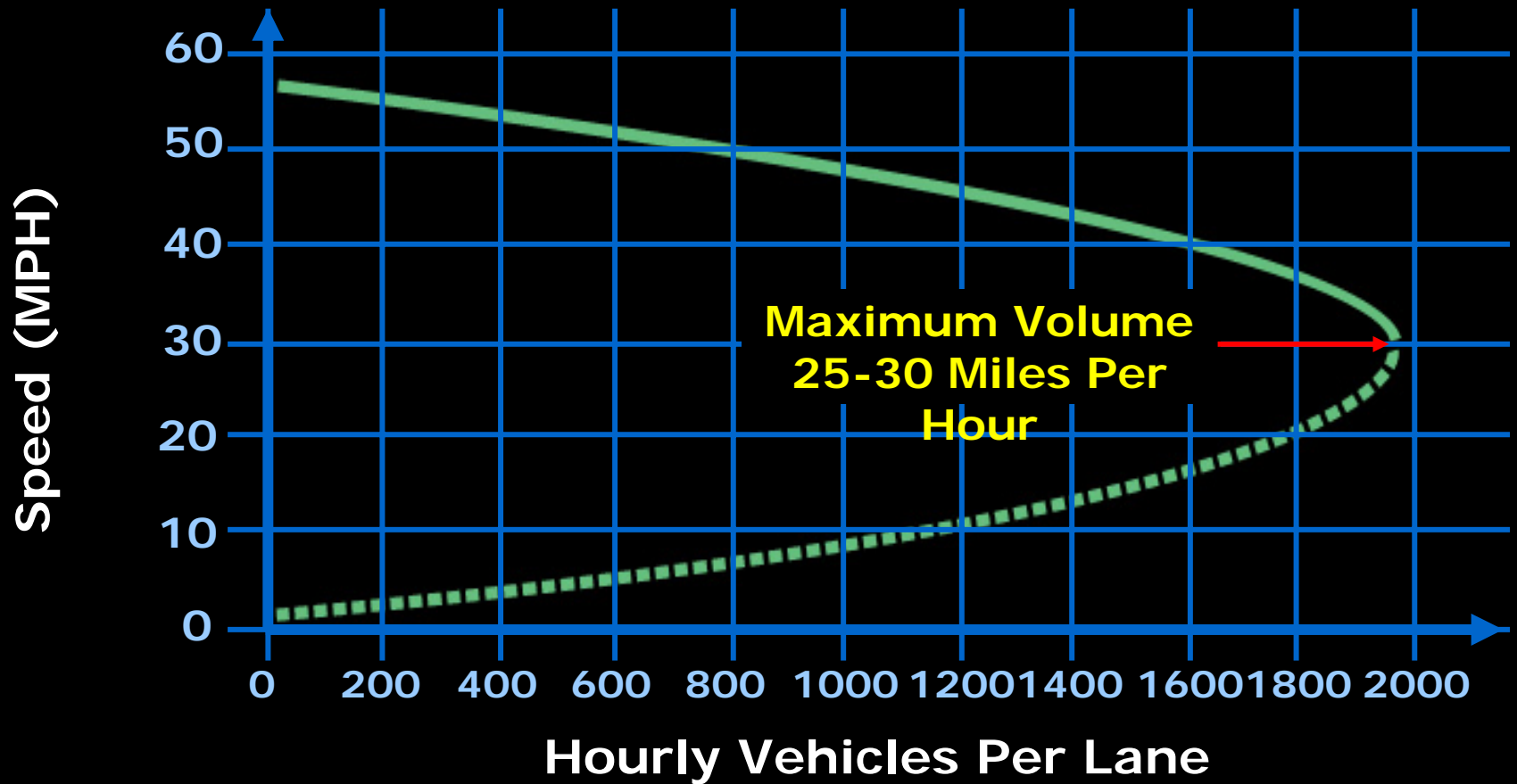
WHY DO CITIES EXIST?







Speed-Flow Relationship

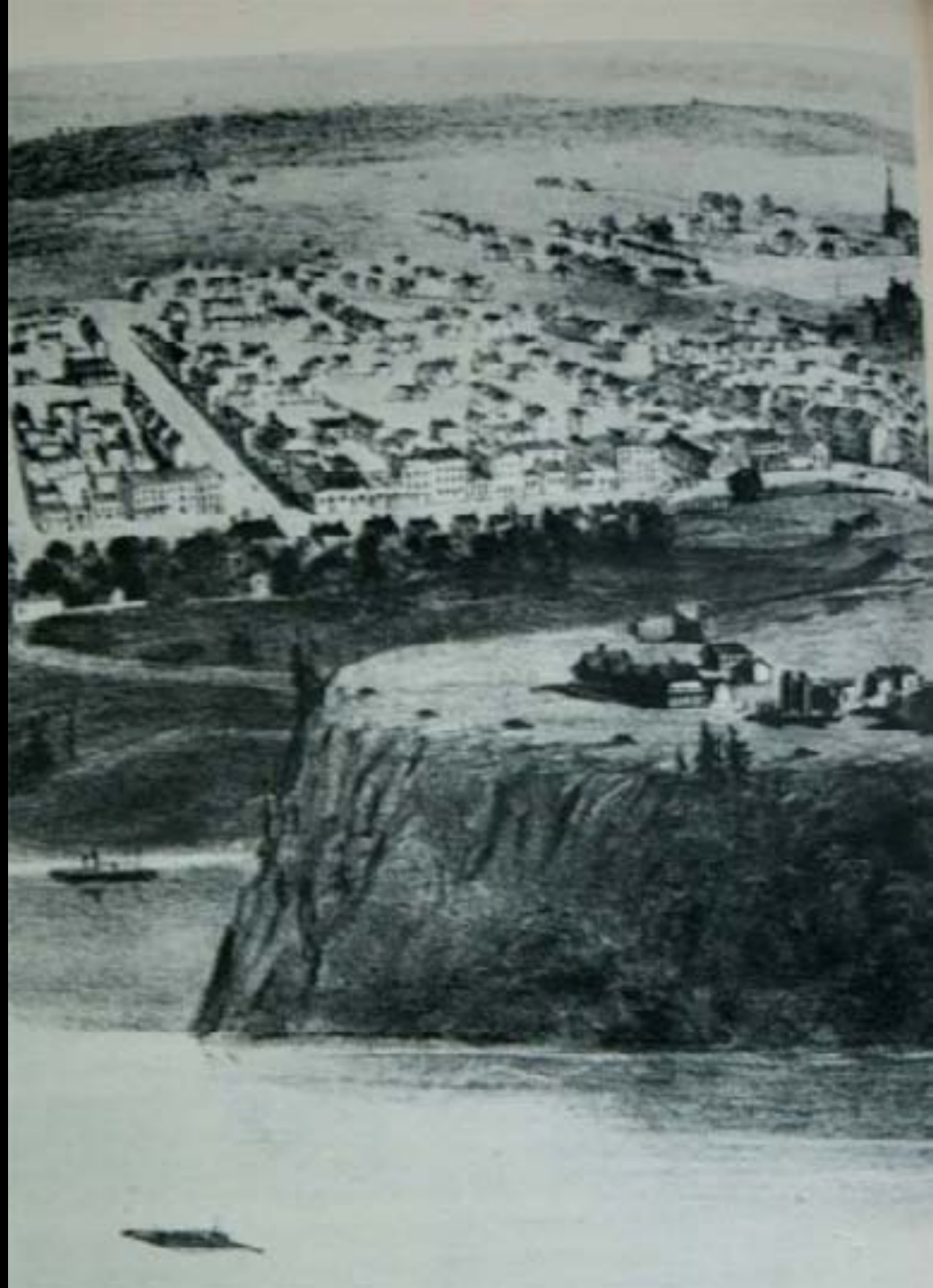


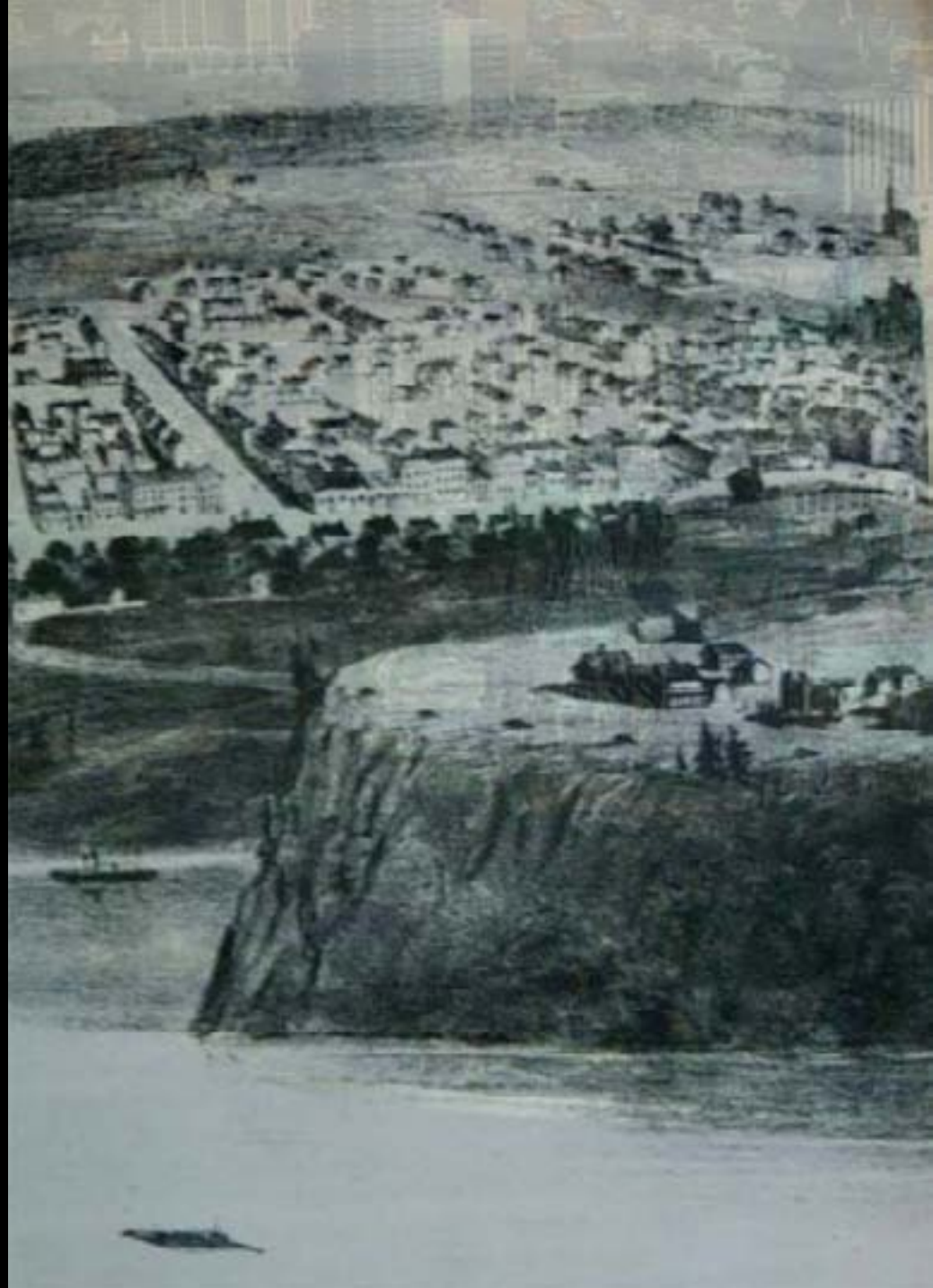


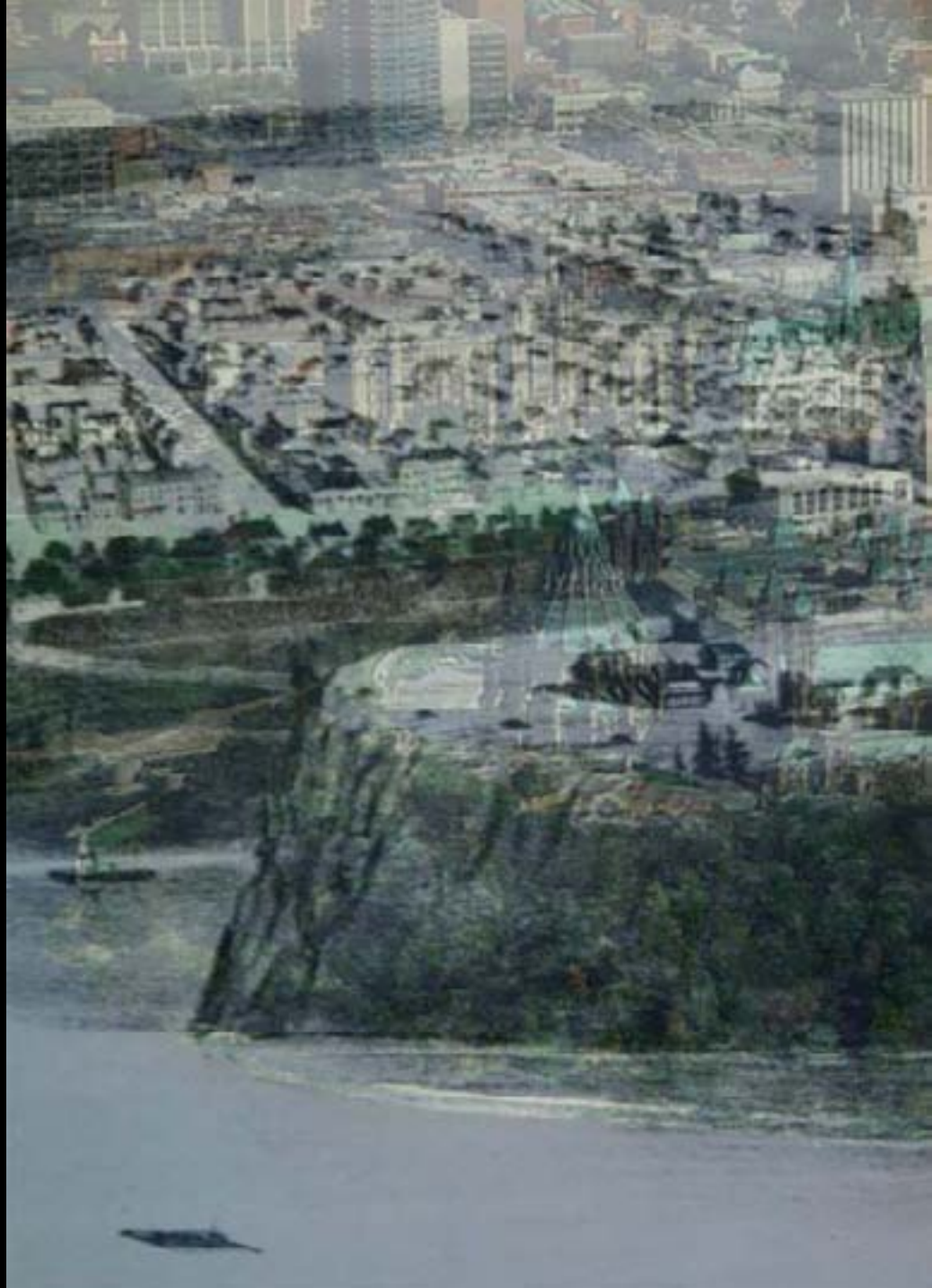


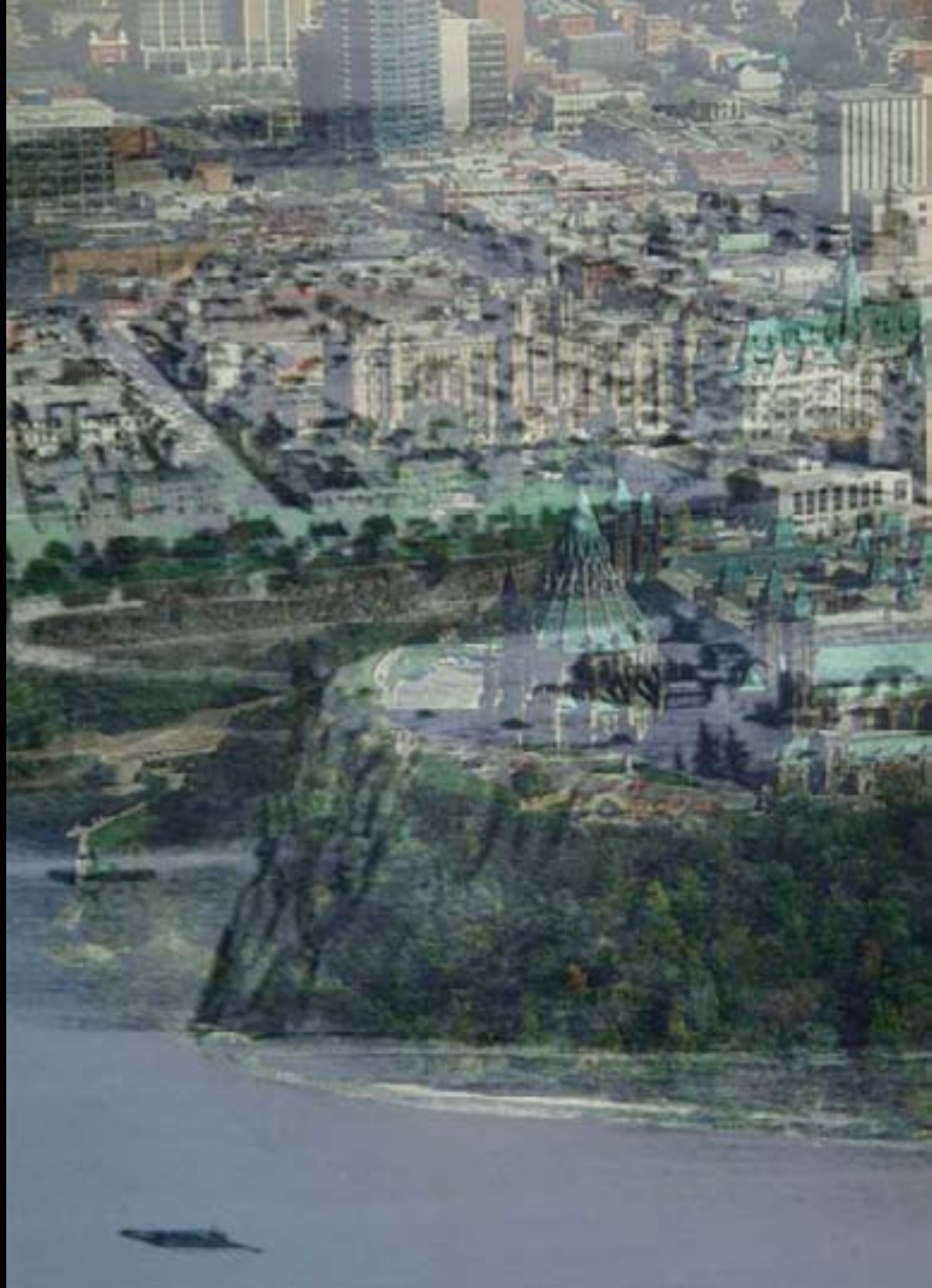
















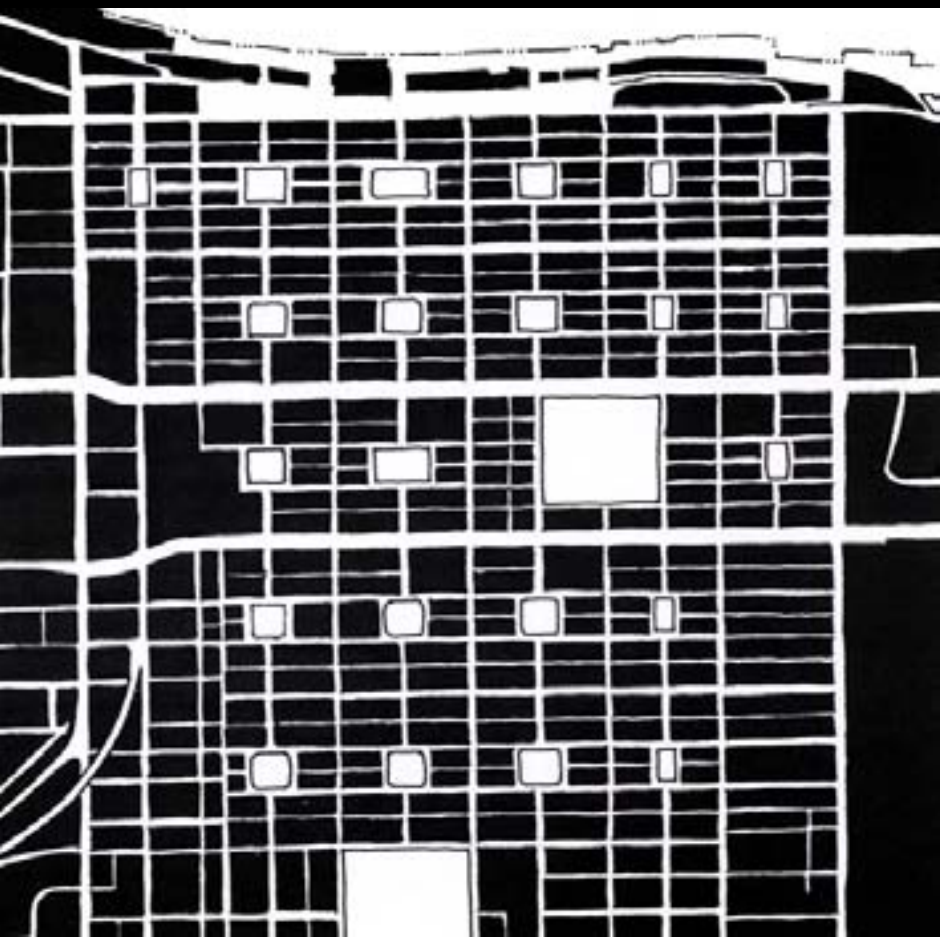














Connected Street Networks



Grid



Grid & Squares



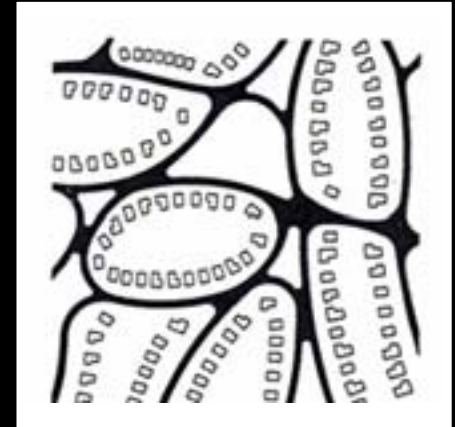
Web



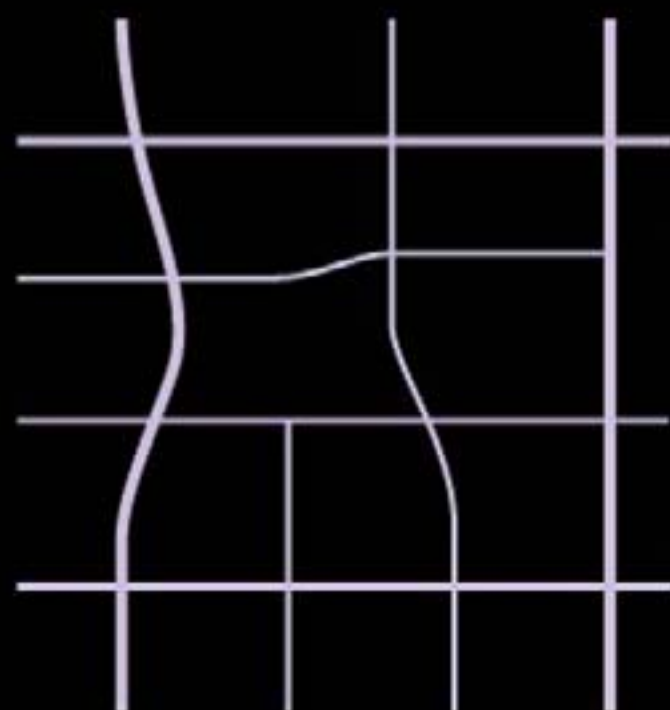
Radial



Irregular



Curvilinear

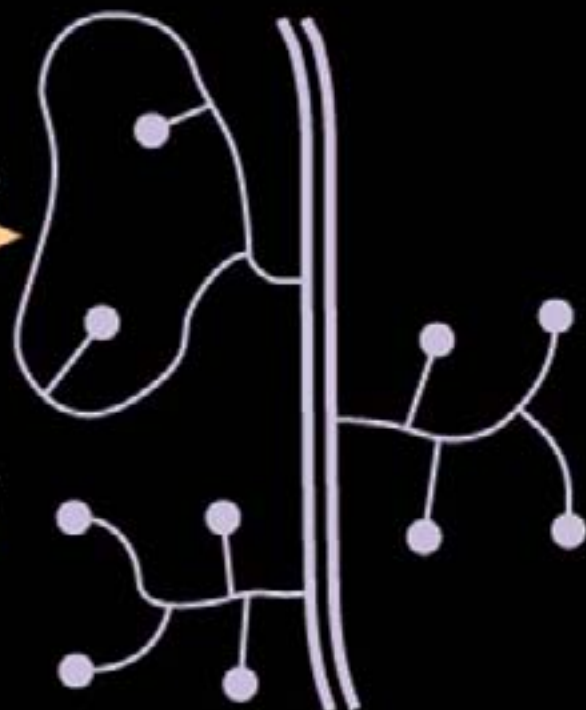


Network

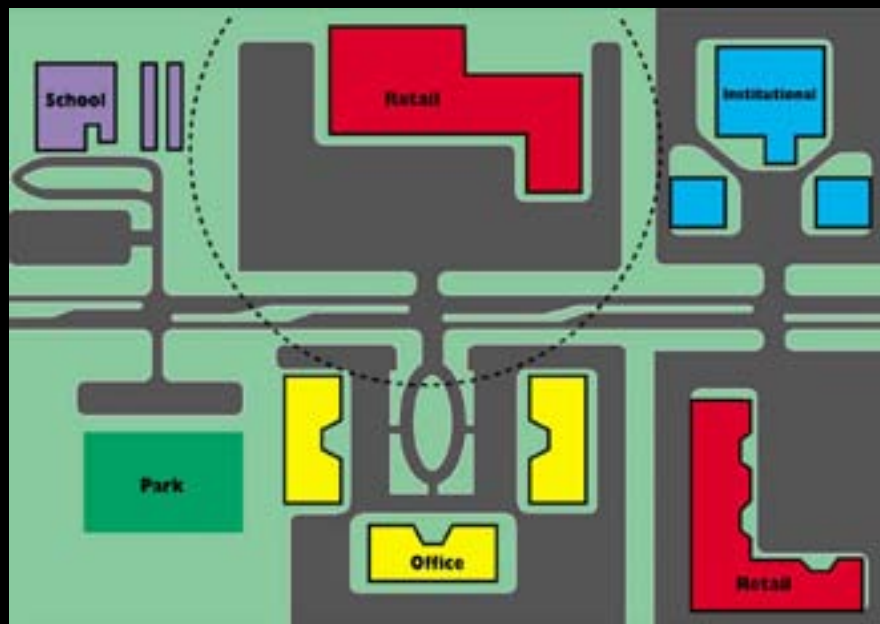
Same Lane-Miles

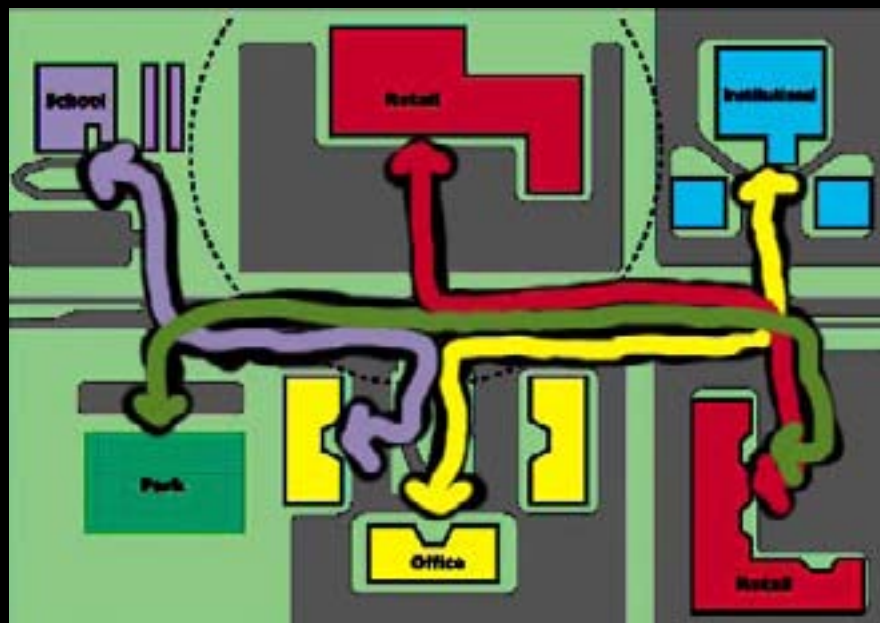


Greater Capacity



Sparse Hierarchy









ecake Factory
URANT BAKERY BAR

THE CHERRYCAKE FACTORY







Home & Moving Supplies

Self Storage Center

SHURGARD

Air Conditioned Spaces

Now Open 7 Days a Week



Kim J

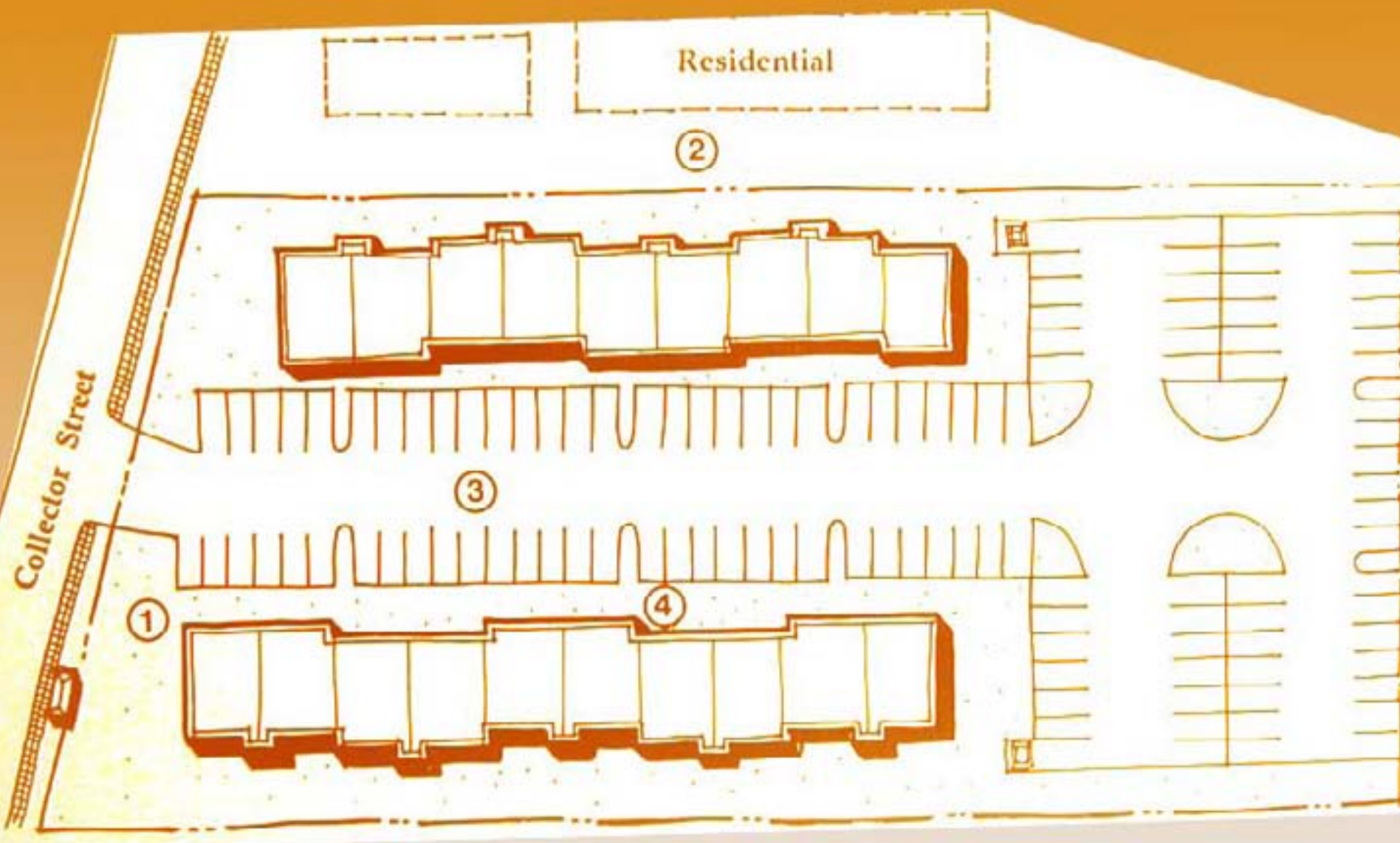






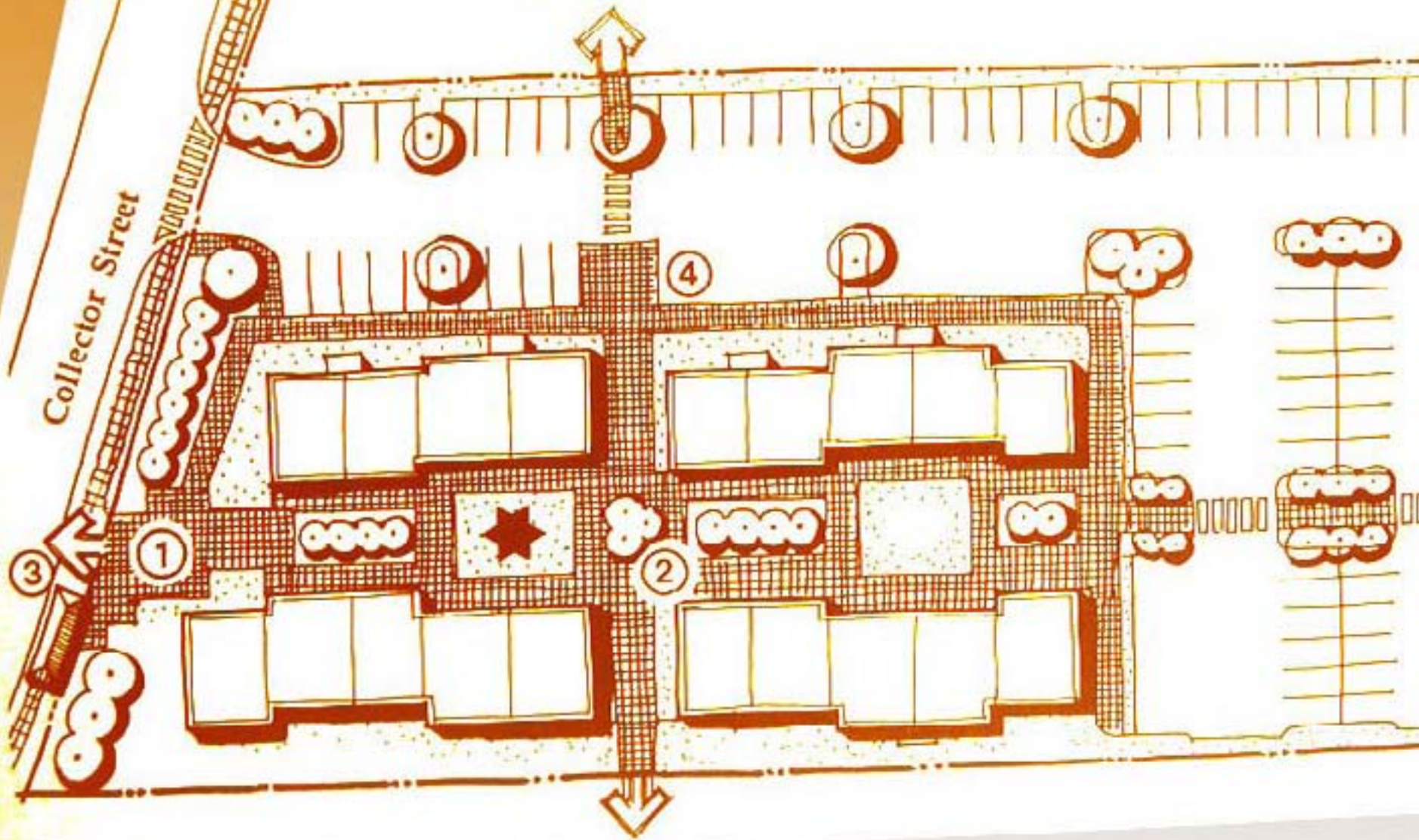


22 units/acre



Residential

Collector Street







75 units/acre

96 units/acre





Single-Use Commercial Buildings





Mixed-Use Office







High-Density Residential





Townhomes





Transitional Blocks

Single-Family to Multi-Family
Lower to Higher Intensities



Urban Infill





Streets, Parks, Open Space



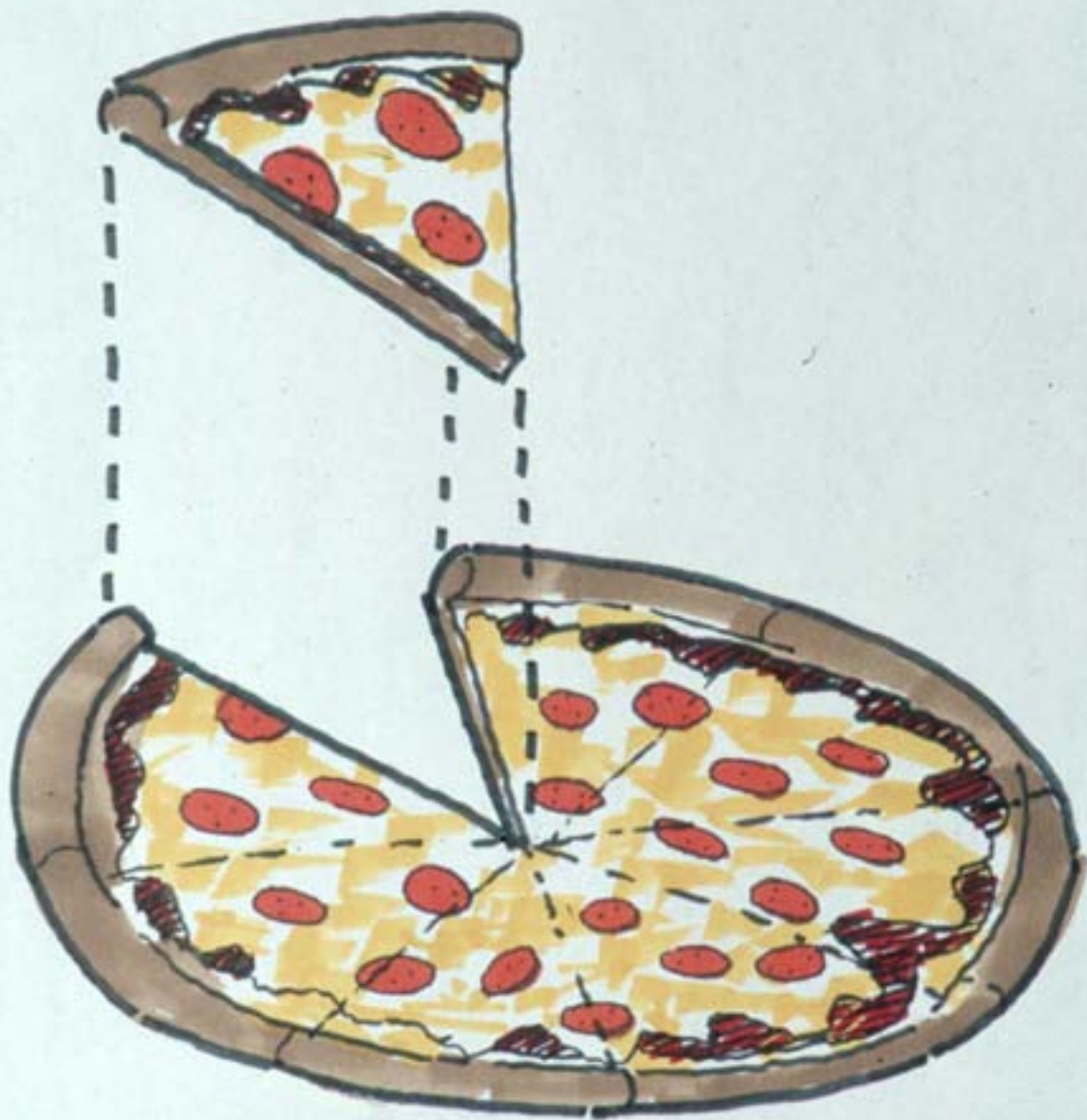
Retail, Office



Housing

Infrastructure



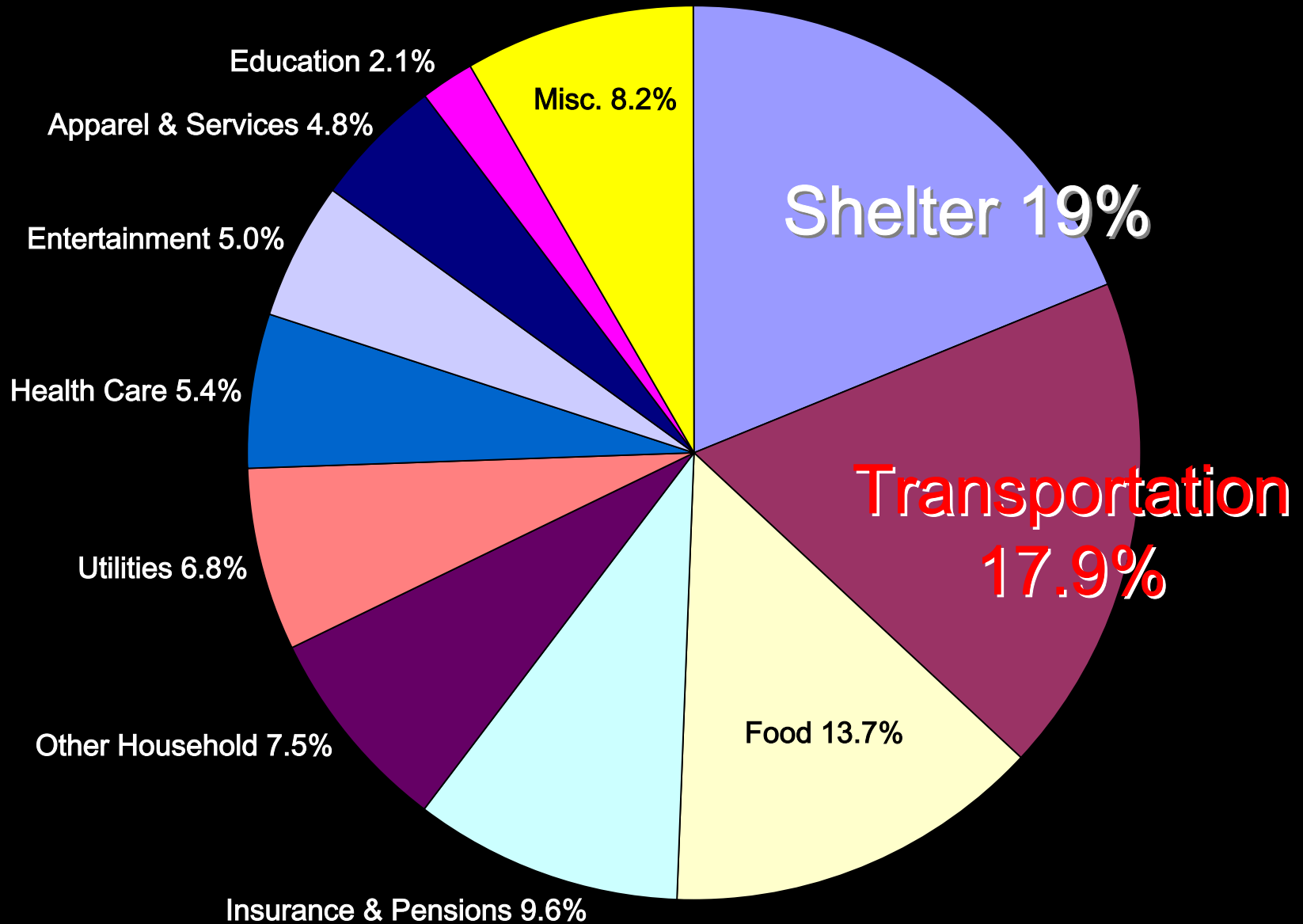






Mix Use?

Trip Purpose – Percentage of Total Trips

Trip Type	% By Trip Type
-----	-----
Work	18.0%
Work Related	2.6%
Shopping	20.2%
Doctors & Dentist	1.5%
Family & Personal	24.2%
Church & School	8.8%
Social Recreational	24.5%
Other	0.2%
	100.0%

Household Expenditures



	housing costs		transportation costs		total
New York City	37.1%		15.1%		52.2%
Tampa	31.1%		25.1%		56.4%



WINTER PARK MALL

PHOTOGRAPH BY HAROLD RYLE















K Mart

Lee Rd.

Orlando Avenue

Solana Ave.

Webster Ave.

Winter Park
Village

Winter Park
Vo Tech

Denning Dr.



SUPER BLOCK



K Mart

Lee Rd.

Orlando Avenue

Solana Ave.

Webster Ave.

Winter Park
Village

Winter Park
Vo Tech

Denning Dr.



K Mart

Lee Rd.

Orlando Avenue

Solana Ave.

Winter Park
Village

Webster Ave.

Winter Park
Vo Tech

Denning Dr.



K Mart

Winter Park
Village

Winter Park
Vo Tech

Solana Ave.

Lee Rd.

Webster Ave.

Denning Dr.



K Mart

Lee Rd.

Orlando Avenue

Solana Ave.

Winter Park
Village

Webster Ave.

Winter Park
Vo Tech

Denning Dr.



K Mart

Lee Rd.

Orlando Avenue

Solana Ave.

Webster Ave.

Winter Park
Village

Denning Dr.



Lee Road
Extension

Mixed Use
Redevelopment

K Mart

Lee Rd.

Orlando Avenue

Webster Ave.

Winter Park
Village

W.P.V.
Development

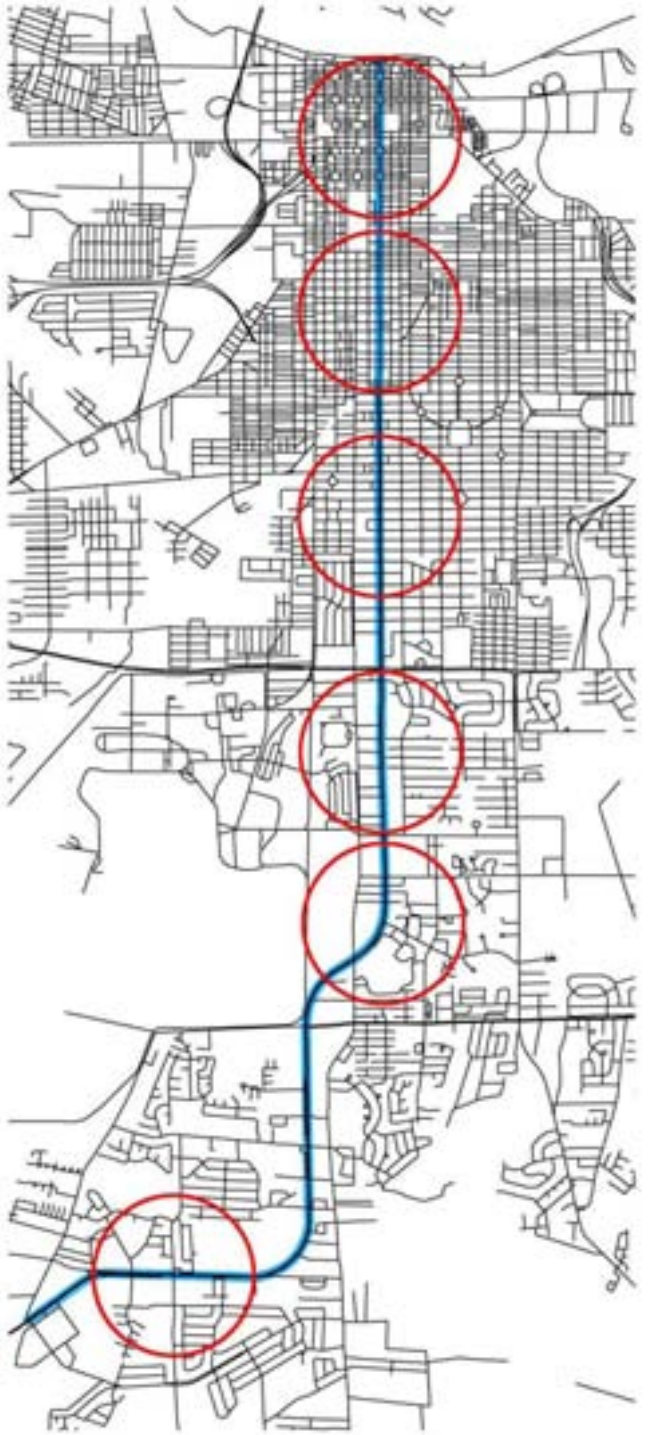
Denning Dr.

Residential
Redevelopment





City Expansion along Abercorn Street

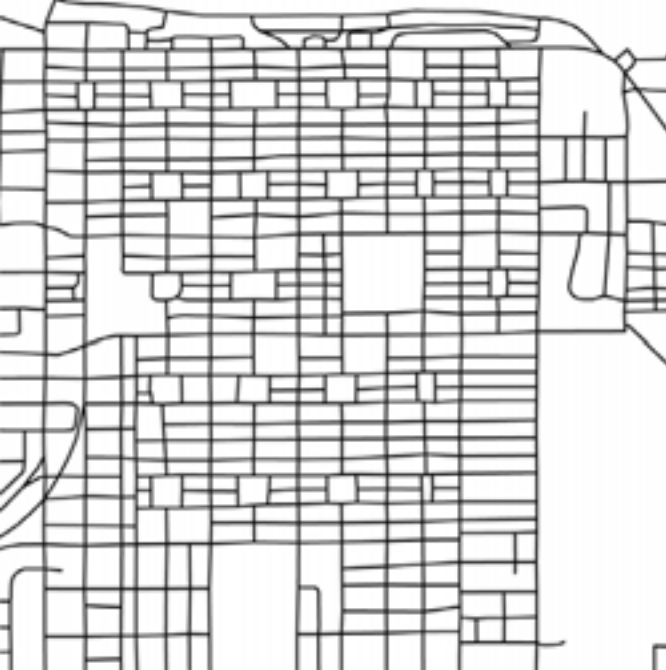


- 9 to 10 mile corridor spine that runs in the North South Direction
- Displays a range of urban conditions
- Chronicles the city's expansion over 200 years
- Helps identify a range of contexts for future work

The Abercorn Street Helps Analyze:

- Street Patterns and Connectivity
- Built Density in a given area
- Street Character and treatments
- Character of Built Form

Abercorn Street: Landmark Historic District



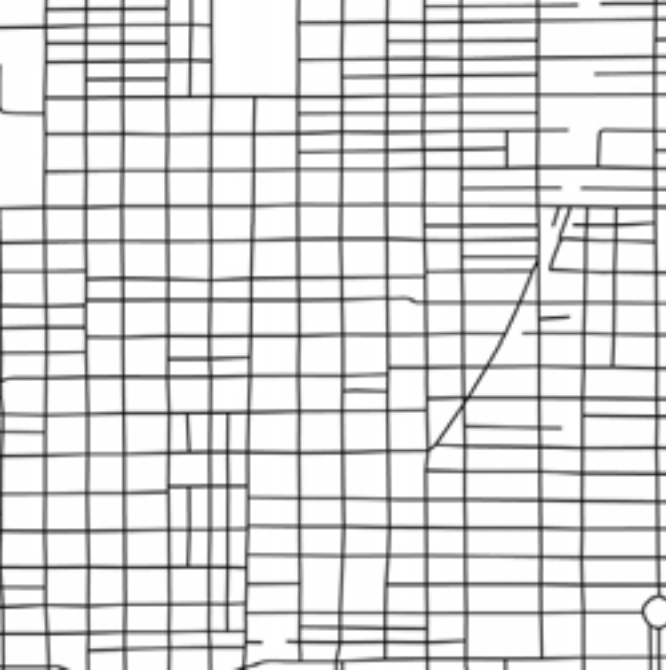
10.4
Miles of
Streets



10,000
Sq.Ft per
Acre
(Footprint
Density)



Abercorn Street: Historic District



8.76 Miles of
Streets



8,600 Sq.Ft
per Acre
(Footprint
Density)



Abercorn Street: Historic Neighborhoods



6.6 Miles
of Streets



7,200
Sq.Ft per
Acre
(Footprint
Density)



Abercorn Street: Retail Mall District



3.3 Miles
of Streets



6,700
Sq.Ft per
Acre
(Footprint
Density)



Abercorn Street: Suburban Pattern



4.3 Miles
of Streets



6,200 Sq.Ft
per Acre
(Footprint
Density)

Abercorn Street: Big Box Retail with Suburban Residential

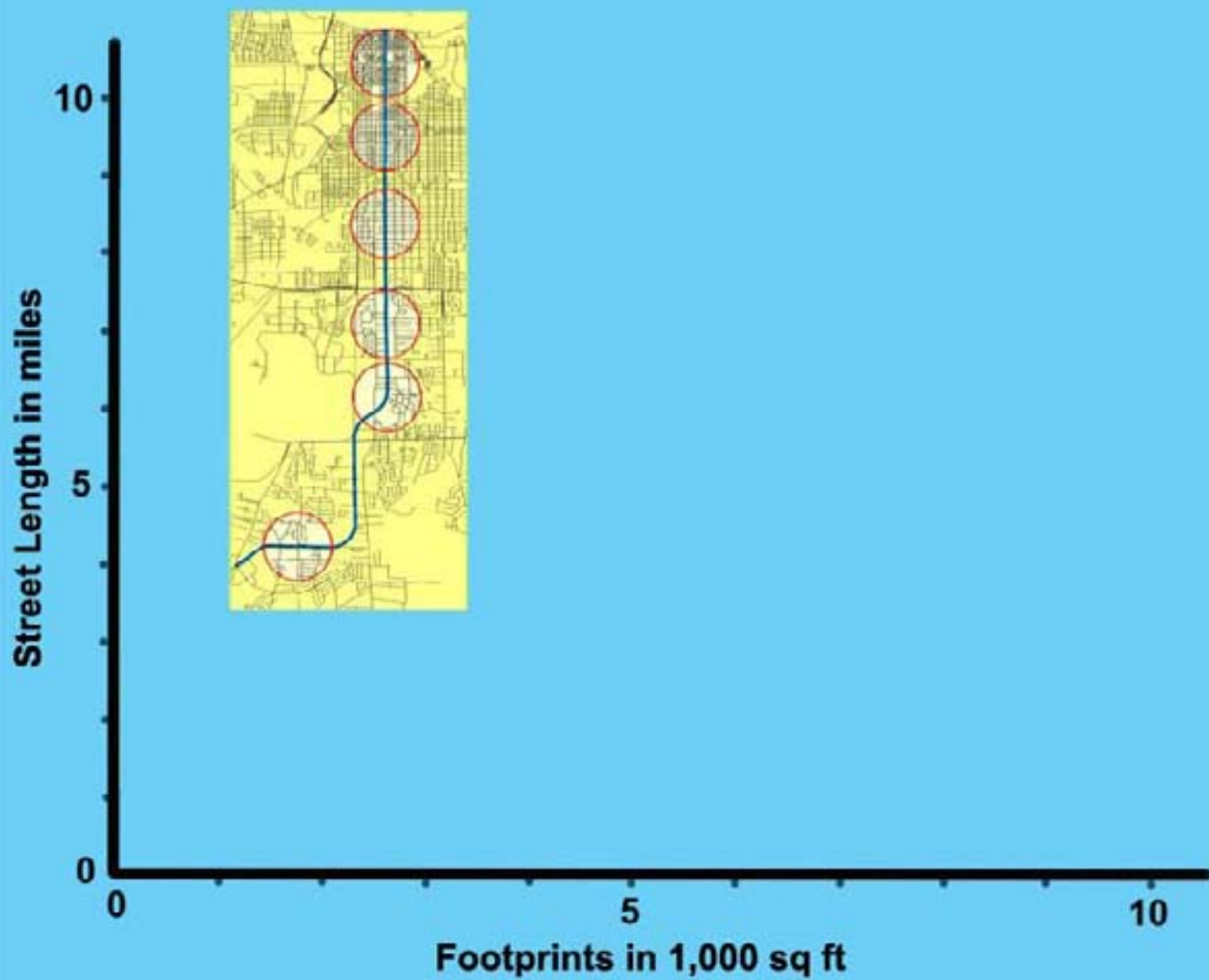


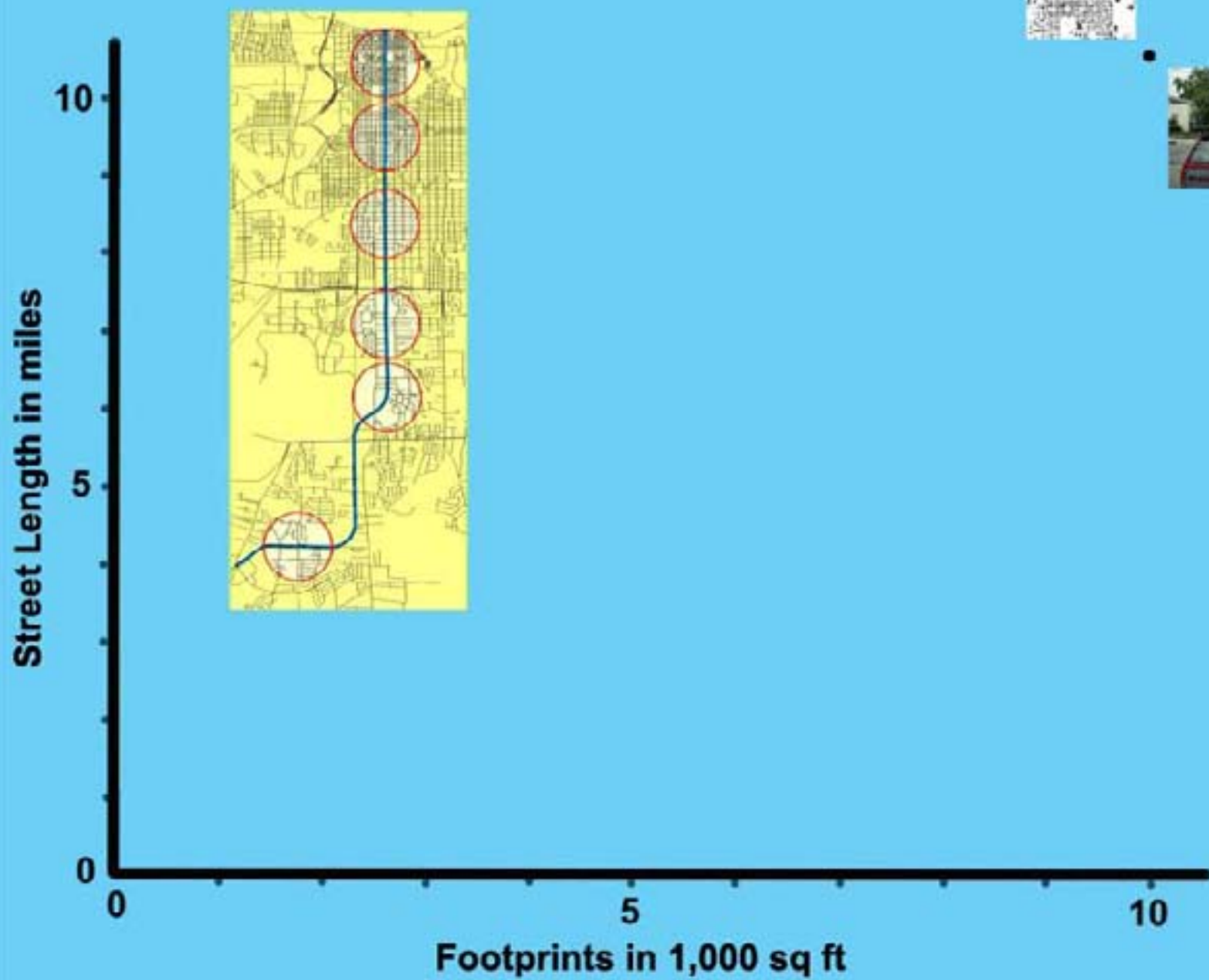
3.23
Miles
of
Streets



5,500
Sq.Ft per
Acre
(Footprint
Density)







Street Length in miles

10

5

0



Footprints in 1,000 sq ft

5

10



Street Length in miles

10

5

0



Footprints in 1,000 sq ft

5

10



Street Length in miles

10

5

0



Footprints in 1,000 sq ft

5

10

Street Length in miles

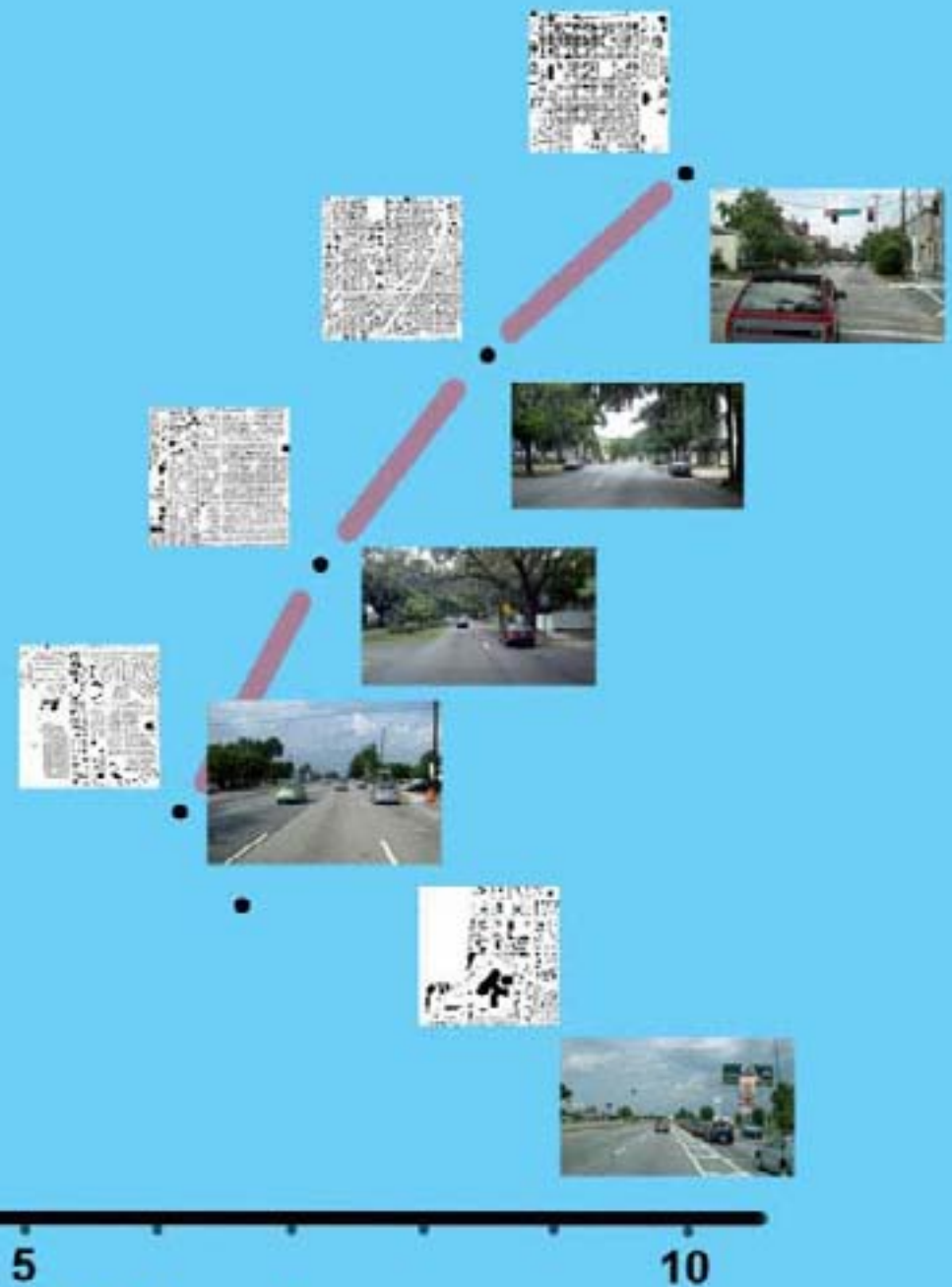
10

5

0



Footprints in 1,000 sq ft



Street Length in miles

10

5

0



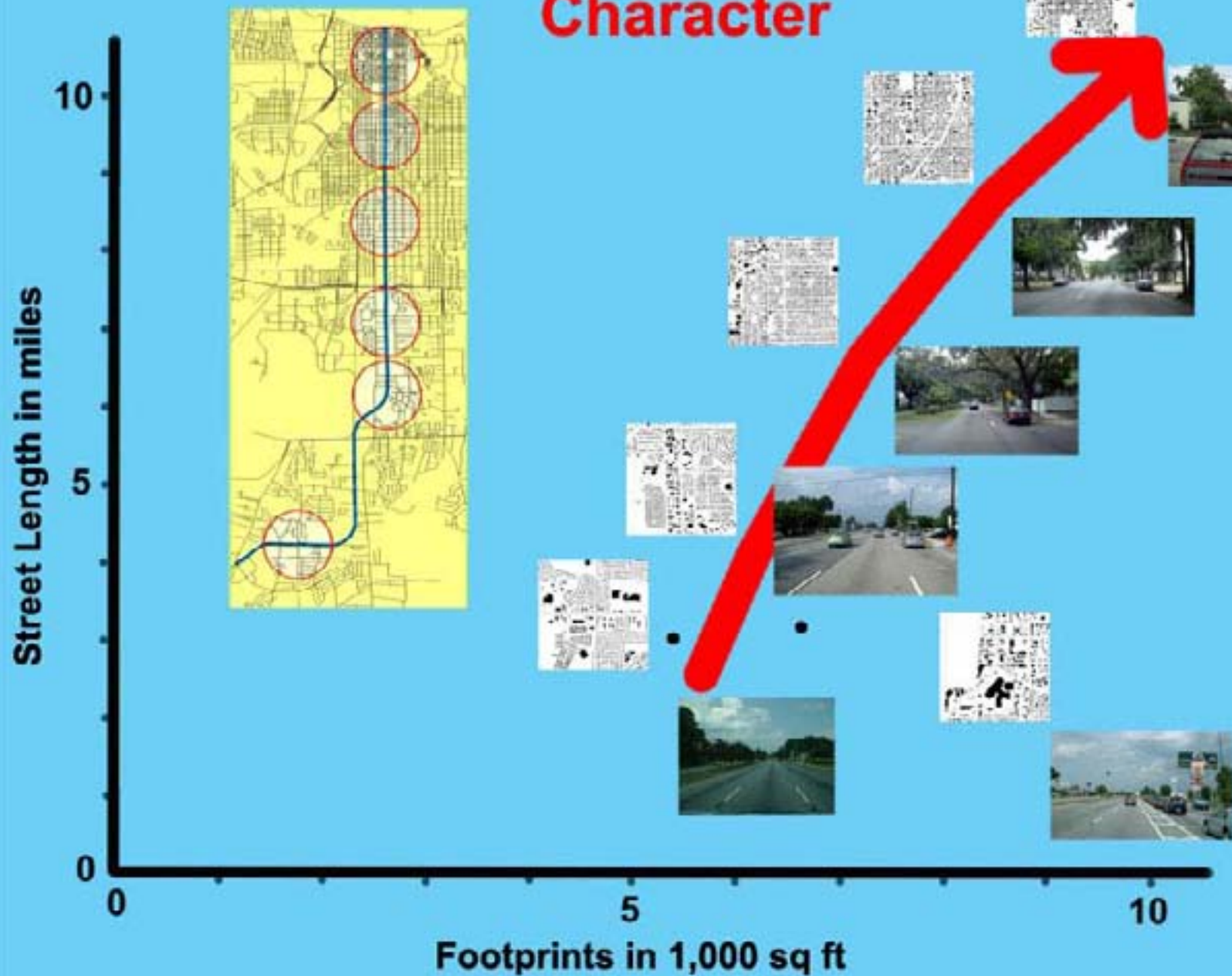
Footprints in 1,000 sq ft

5

10



Character



Quality of Life

Street Length in miles

10

5

0

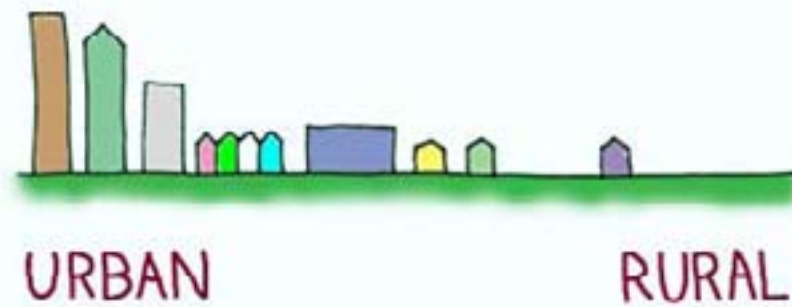


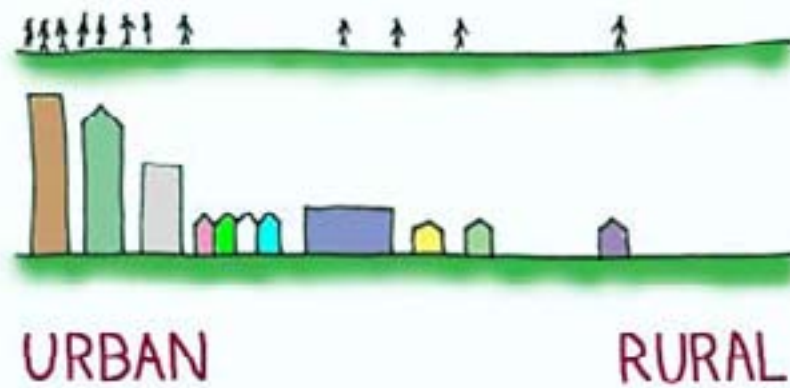
Footprints in 1,000 sq ft

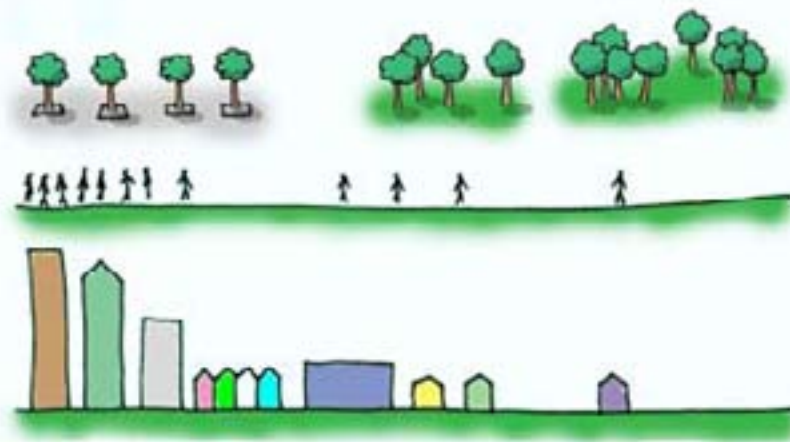
5

10



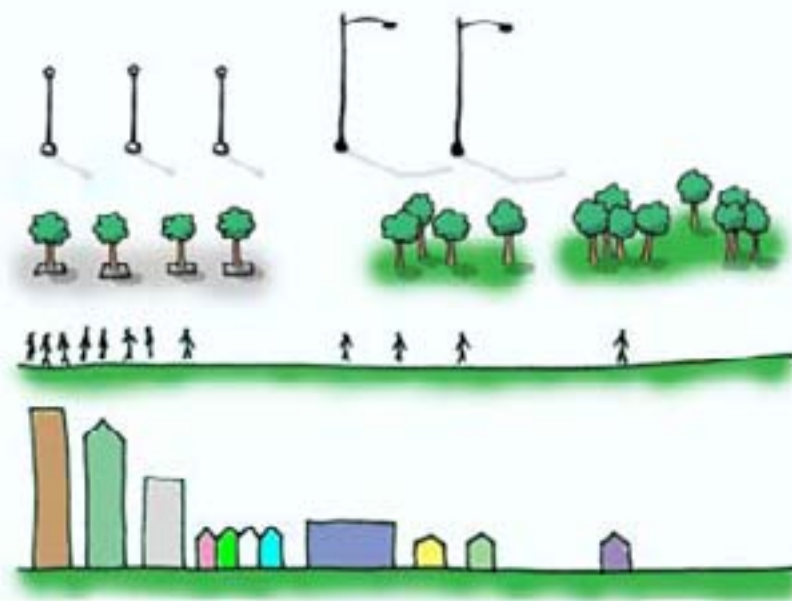






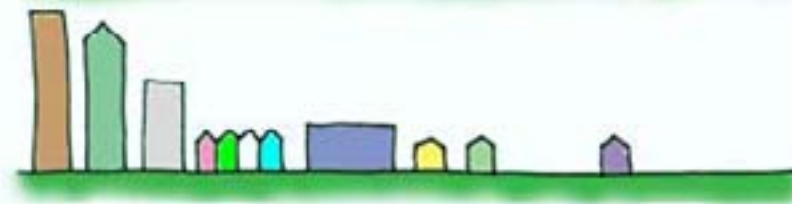
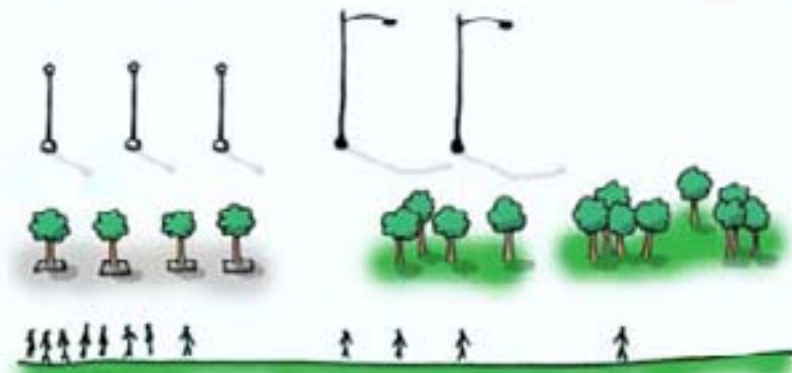
URBAN

RURAL



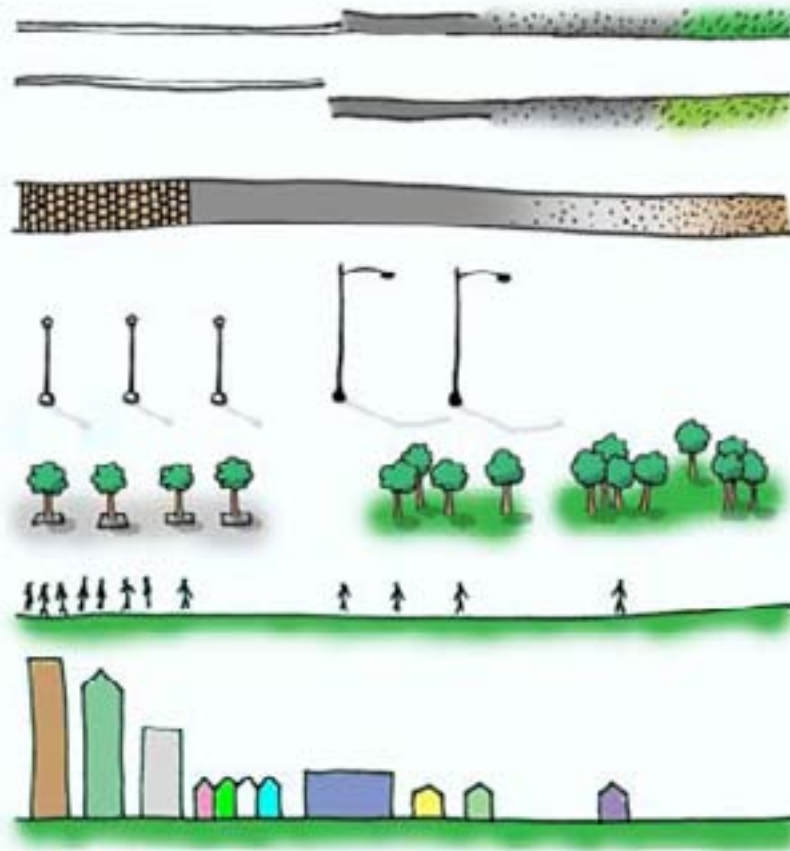
URBAN

RURAL



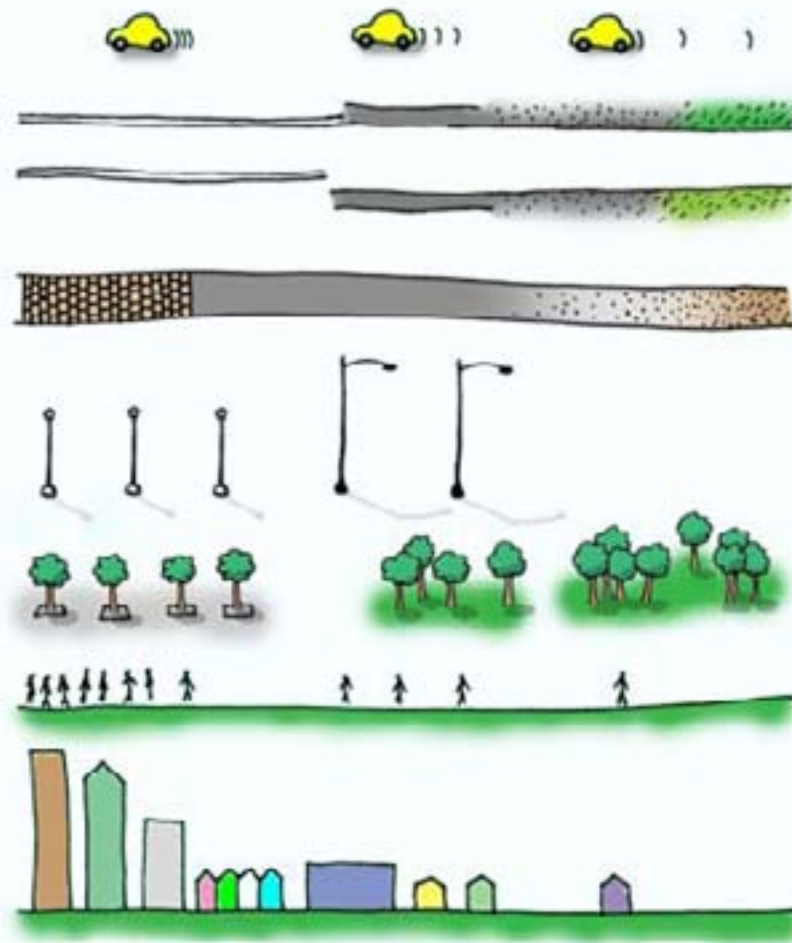
URBAN

RURAL



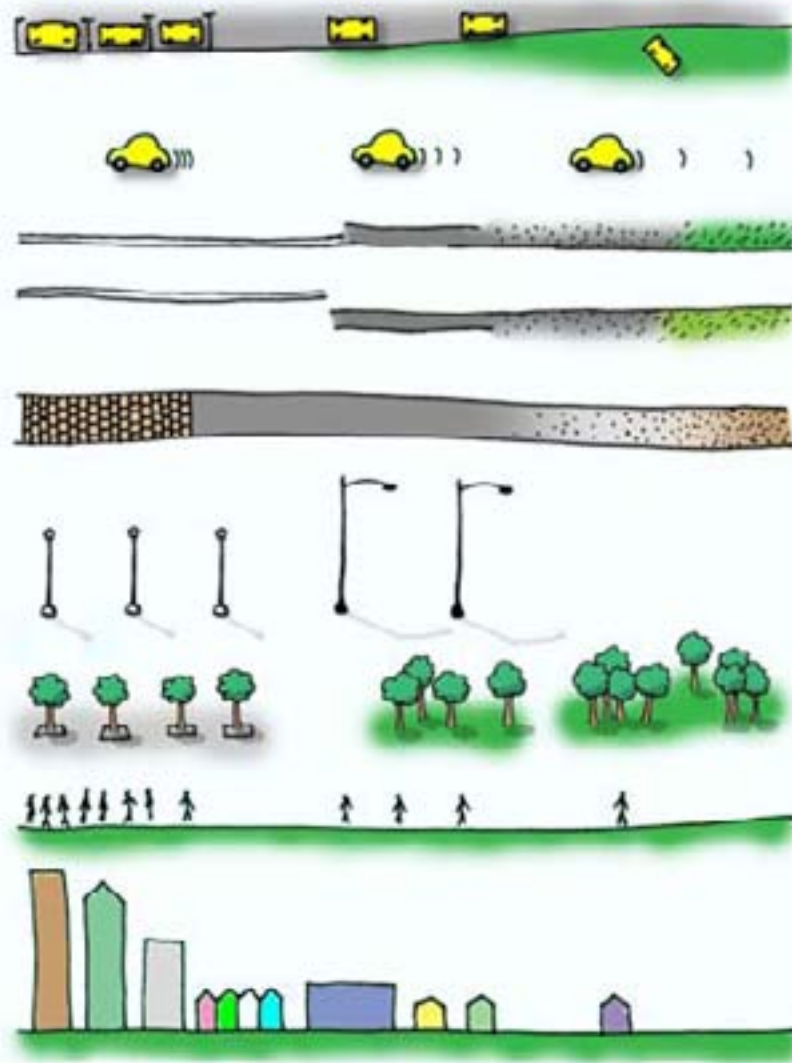
URBAN

RURAL



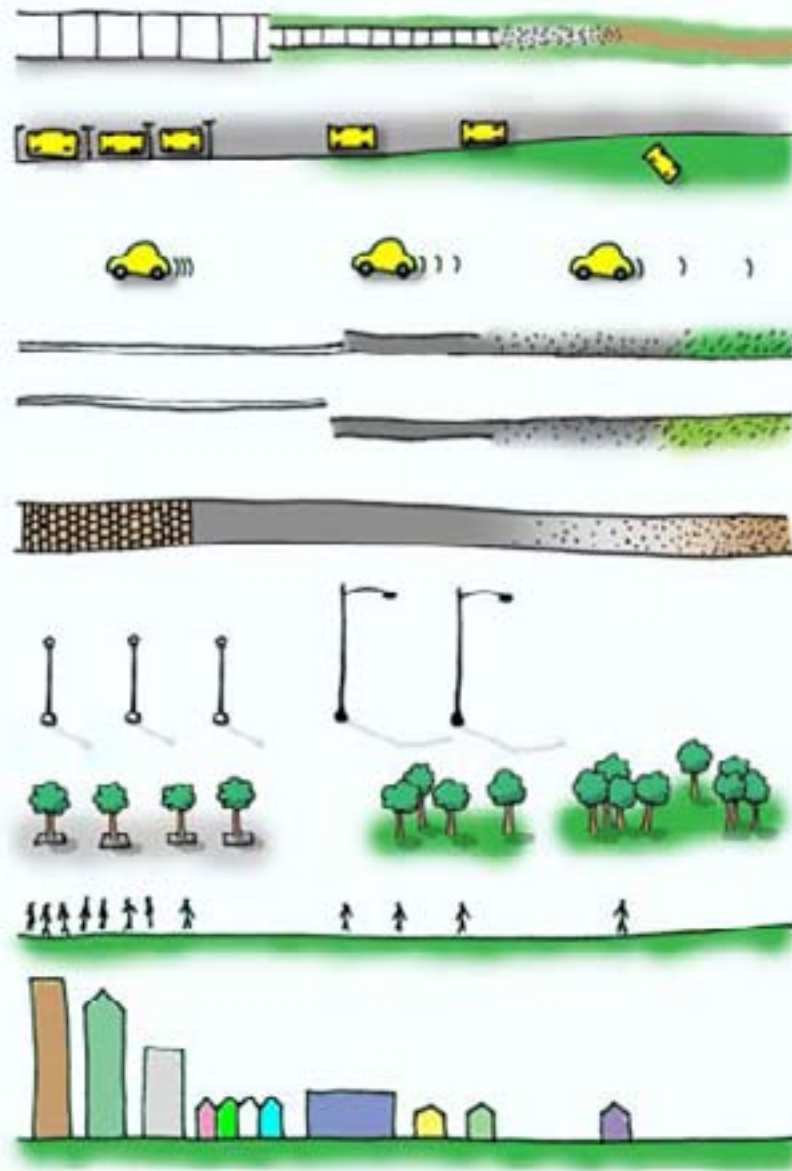
URBAN

RURAL



URBAN

RURAL



URBAN

RURAL



EAST SOUTH TO
90 1 95
Beaches

Performing Arts Center
Convention Center

JACKSONVILLE
SCHOOL ZONE
SCHOOL BUS STOP
SCHOOL BUS STOP
SCHOOL BUS STOP













On a Tear

By Lisa Schreihman

Looking for land? Try tearing down a highway



That's what San Francisco did.

If all goes according to schedule, Milwaukee will demolish its Park East Freeway later this year and replace it with housing, shops, and offices. Although unusual, Milwaukee's approach to creating valuable downtown real estate is not unique. San Francisco and Toronto are also building urban freeways. Way back in 1974 Portland, Oregon, tore up Harbor Drive to build a



\$7-a-

rent, are 1
wall.
As
high-
more
from
for de-
velop-
ment
rental
and, 60
to 100

Finally, highways affect business and residential circulation patterns. According to Milwaukee's Mayor John Norquist, "the Park East Freeway creates congestion by encouraging people to travel further and further between increasingly insignificant places." He expects the highway's removal to help reverse the population and business flight that accompanied its development.

Although these theories are solid in all the cities that are ripping up highways, the prospects for what will replace the structures vary. Milwaukee is encouraging the private sector to develop downtown buildings, whereas Toronto will build a publicly financed boulevard.



Then in 1991 the Mandel Group, a Milwaukee-based developer, opened luxury rental apartments and condominiums complex and supermarket on the land proposed for the ring road. Their success—the supermarket has the highest sales of any in Milwaukee and the condos sell for \$300,000—signaled the potential for upscale development. However, the central business district lacked large lots, and the Park East Freeway prevented expansion to the north where land was available.

At around this time, the Wisconsin Department of Transportation estimated that replacing the Park East Freeway would cost \$80 million. Mayor Norquist felt that the Park East "had become so inefficient it didn't make sense to rebuild."

The key to convincing people and businesses that Milwaukee would not be crippled by the Park East's demolition was a traffic study conducted in 1995 by the Southeastern Wisconsin Regional Planning Commission (SWRPC). Milwaukee's metropolitan planning organization. SWRPC found that "the central business district can accommodate [removal of the highway] without a significant increase in traffic congestion." The Park East



San Francisco dismantled the Embarcadero Freeway (opposite, bottom) and may dismantle the Central Freeway (opposite, top). Now other cities are following suit. One of them is Milwaukee (this page), which expects to replace its Park East Freeway with housing, shops, and offices.

And what Milwaukee is doing.

SUNDAY, APRIL 25, 1993

The Herald

PARADE



Across the nation, citizens with vision and a new community spirit are transforming once run-down urban areas—such as in Chattanooga, Tennessee—into exciting, people-friendly towns.

The Classy Chicks: Jacki Mason (top right) with some of the citizens who helped revive their city.

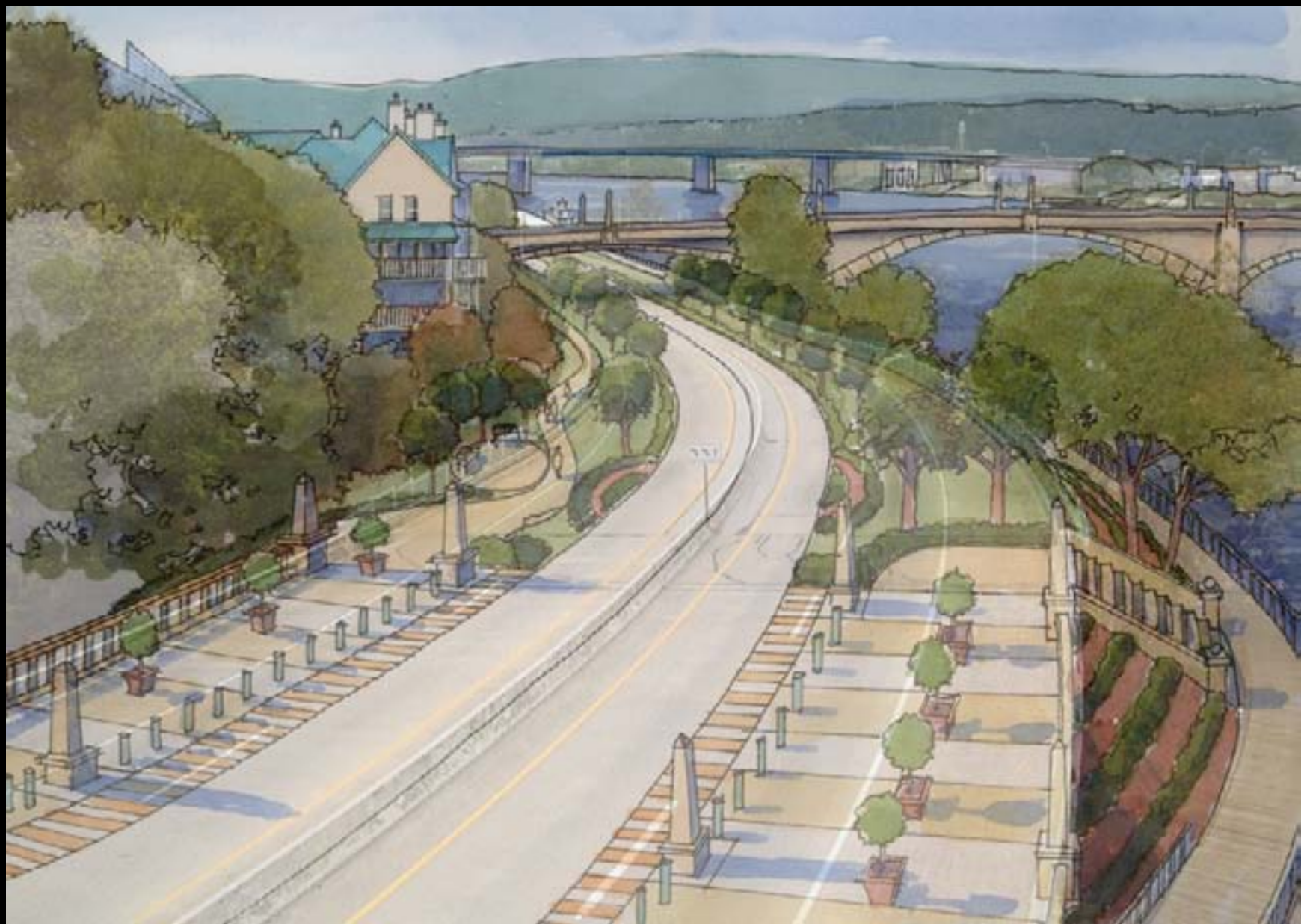
The Reborn American City

A Place You Might Want To Live

A Report By Lamar Graham

INSIDE: What Is "Deep Play"?...By Diane Ackerman































SAINT JULIAN
CATHOLIC SCHOOL







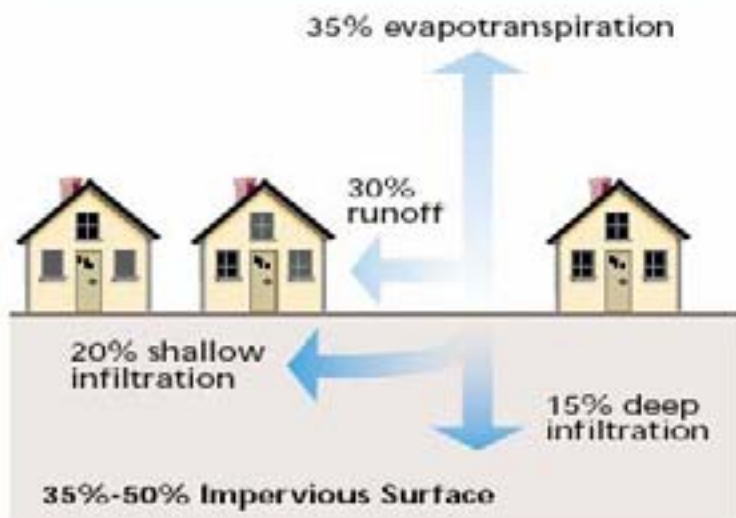


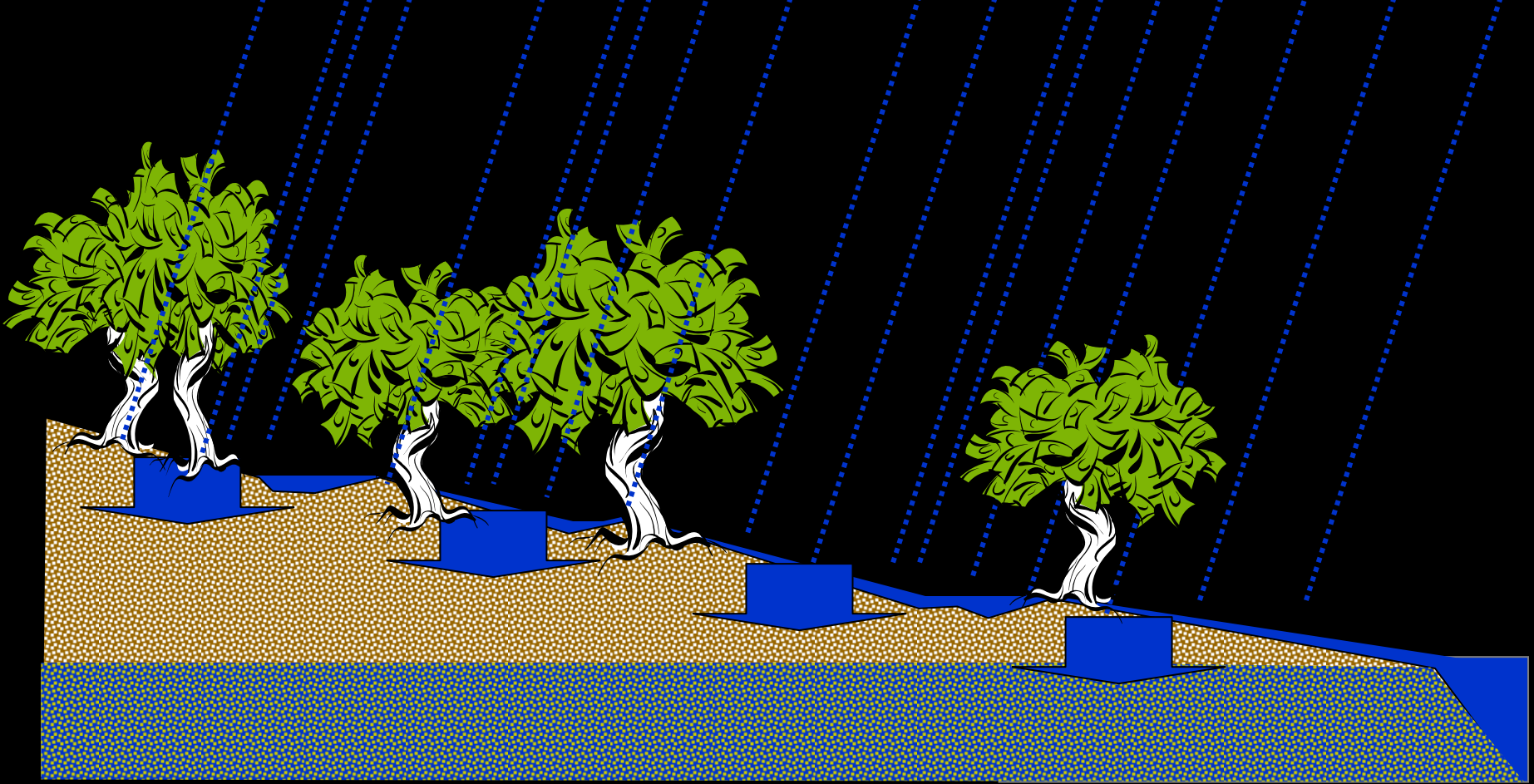




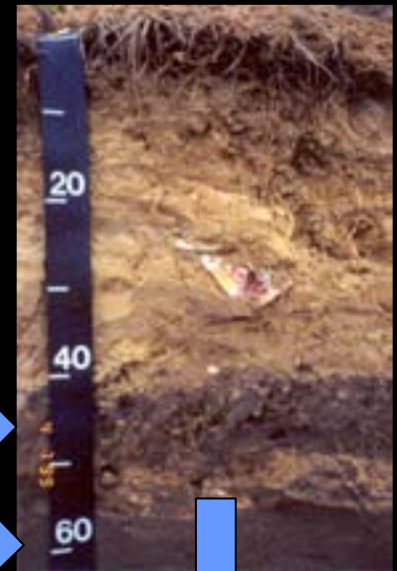
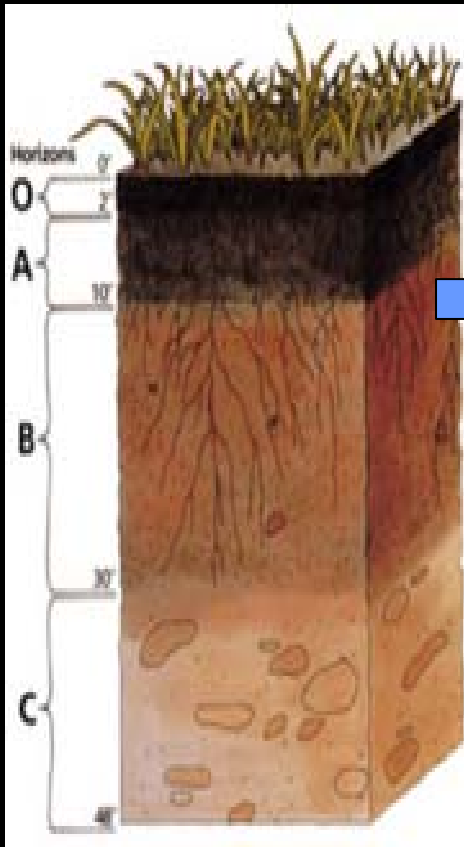








- Interception – rain that never hits the ground
- Infiltration – soil composition & compaction
- Storage – natural depressions in the landscape
- Runoff quantity – fn (rainfall rate, infiltration, & storage)
- Runoff rate – fn (slope & “roughness” path)





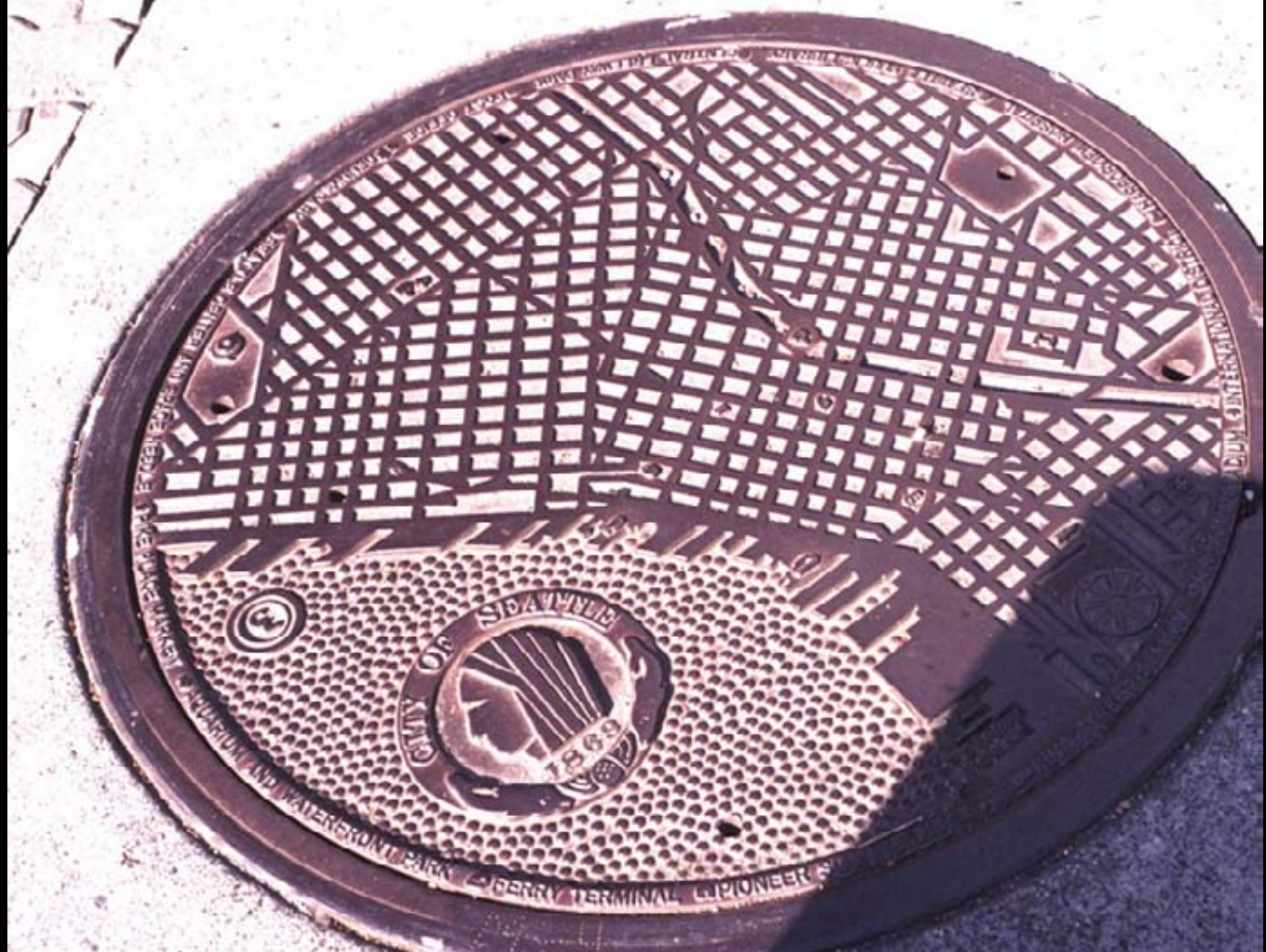












the MAMBO



slow · quick · quick · slow · quick · quick · slow

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City of Seattle Engineering, Urban Spaces Project
in cooperation with the Seattle Arts Commission.

Jack Mackie, Chuck Greening — Artists © '79





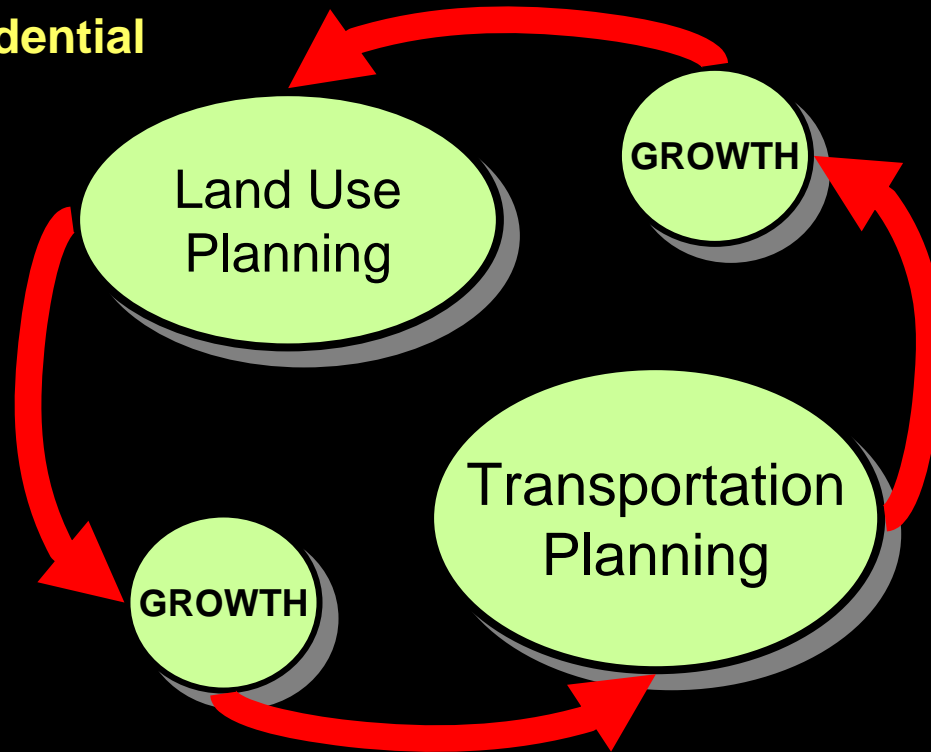
Conventional Development Cycle

INPUTS

- Auto Oriented Business
- Single Use Zoning
- Single Family Residential

OUTCOMES

- Wider Roads
- Induced Traffic
- More Traffic



OUTCOMES

- Isolated Neighborhoods
- Multiple Automobile Trips
- Poor Mobility
- Difficult Walking

INPUTS

- Traffic Demand Forecasting
- Congestion
- LOS

Healthy Development Cycle

INPUTS

- Diversity of Business
- Mixed Use Zoning
- Diversity of Residential Units
- Context Sensitive Design
- Community Involvement



OUTCOMES

- Healthy Neighborhoods
- Choices of Transportation
- More Open Space
- Sense of Place
- Sense of Community

**SMART
GROWTH**

OUTCOMES

- More Walking & Bicycling
- Increased Access



