

Sustainable Placemaking: How Zoning Can Help

ZAP Presentation

October 21, 2009

Erin Grayson

Tina Schneider

What would you rather eat?



What zoning standards
are more sustainable?



What bill would you rather pay?

AMHERST COUNTY SERVICE AUTHORITY MADISON HEIGHTS, VA. 24572-0100					SERVICE BILL	
ACCOUNT NO.	PAST DUE	THIS BILLING	TOTAL DUE			
123456	.00	81.00	81.00			
FROM	TO	DUE DATE	PENALTY DATE			
07/02/08	09/02/08	10/01/08	10/20/08			
PREVIOUS READING	PRESENT READING	USED	CODE	AMOUNT		
1500	2500	1000	SE	36.60		
1500	2500	1000	WA	44.40		
FOR : EXAMPLE RD 115						
TO JOHN & JILL DOE						
111 ABCD STREET MADISON HTS VA 24572						
PRESORTED FIRST-CLASS MAIL U.S. POSTAGE PAID Madison Heights, VA. PERMIT No. 75						
SHORT NAME DOE						
ACCOUNT NO. 123456						
DUE DATE 10/01/08						
CURRENT 81.00						
PREVIOUS .00						
TOTAL DUE 81.00						

2008
\$81.00

AMHERST COUNTY SERVICE AUTHORITY MADISON HEIGHTS, VA. 24572-0100					SERVICE BILL	
ACCOUNT NO.	PAST DUE	THIS BILLING	TOTAL DUE			
123456	.00	21.00	21.00			
FROM	TO	DUE DATE	PENALTY DATE			
07/02/08	09/02/08	10/01/08	10/20/08			
PREVIOUS READING	PRESENT READING	USED	CODE	AMOUNT		
1500	2500	1000	SE	36.60		
1500	2500	1000	WA	44.40		
FOR : EXAMPLE RD 115						
TO JOHN & JILL DOE						
111 ABCD STREET MADISON HTS VA 24572						
PRESORTED FIRST-CLASS MAIL U.S. POSTAGE PAID Madison Heights, VA. PERMIT No. 75						
SHORT NAME DOE						
ACCOUNT NO. 123456						
DUE DATE 10/01/09						
CURRENT 21.00						
PREVIOUS .00						
TOTAL DUE 21.00						

2009
\$21.00



Which would you rather buy?



Where would you rather park?



on a hot day?

on Any Day?

FOOD PRODUCTION



Reduce CO₂

Reduce waste

Reduce chemicals

Improve water quality & soil

FOOD PRODUCTION



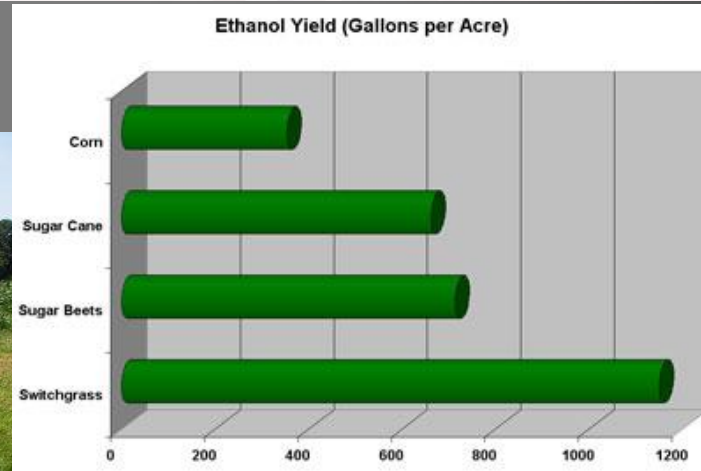
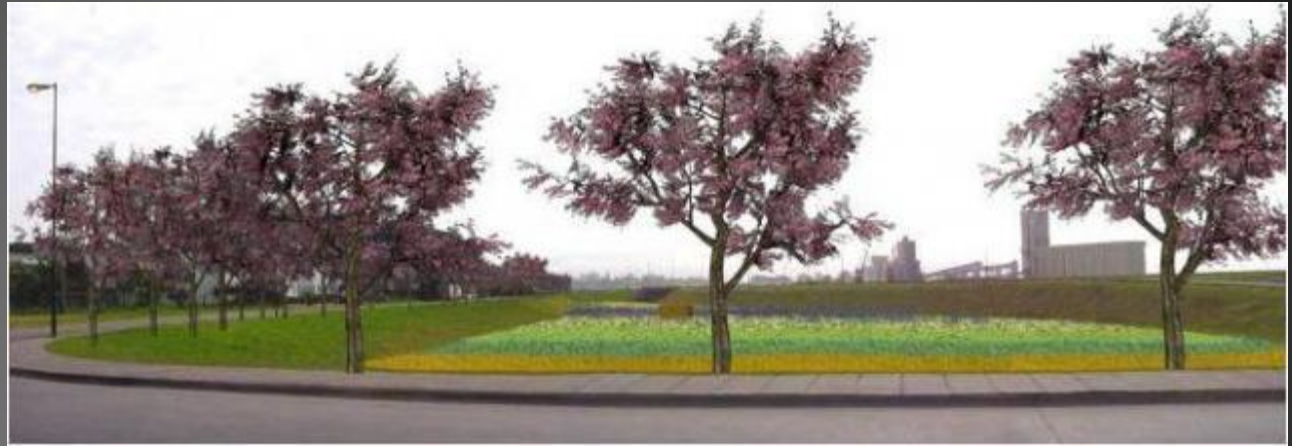
Improve nutrition
Reduce obesity, diseases

FOOD PRODUCTION



community, Peri-Agriculture
create local jobs & Businesses
Financial benefits are local

FOOD PRODUCTION..Ag Reserve



CSAs

Farmers Markets

Bio-fuels

WATER QUALITY



Expand resource protection

Maintain surface hydrology

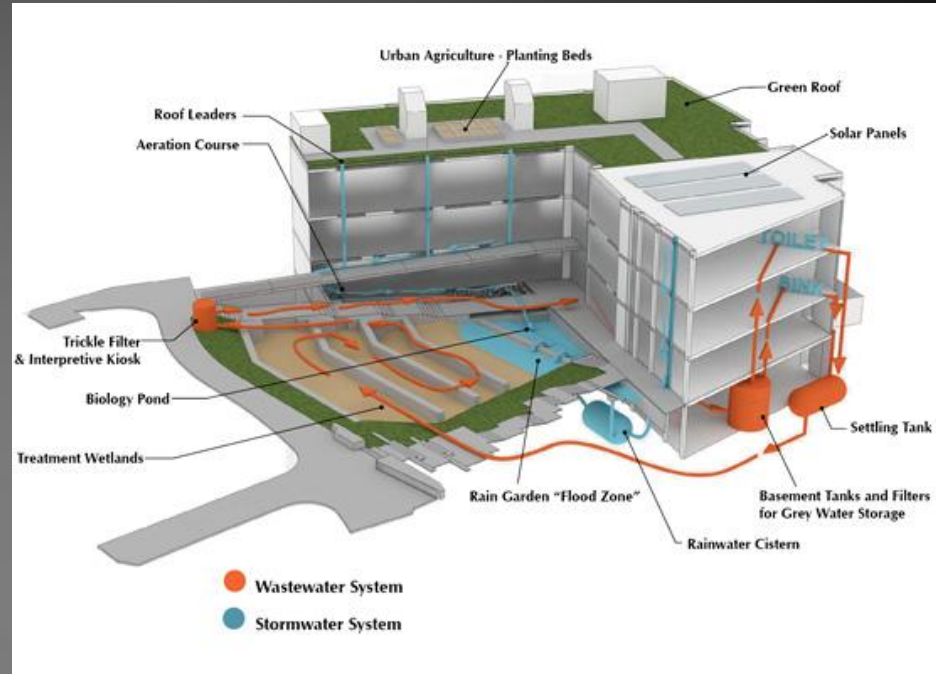
Reduce grading

WATER QUALITY



Reduce impervious cover
Permeable/porous pavement

WATER QUALITY



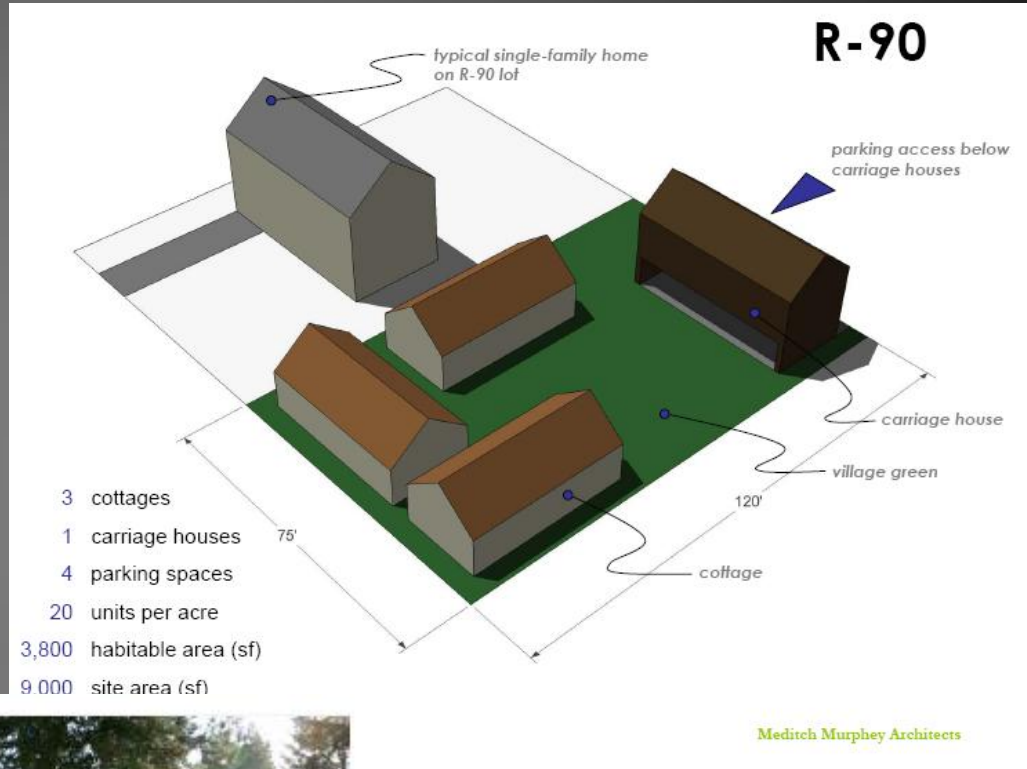
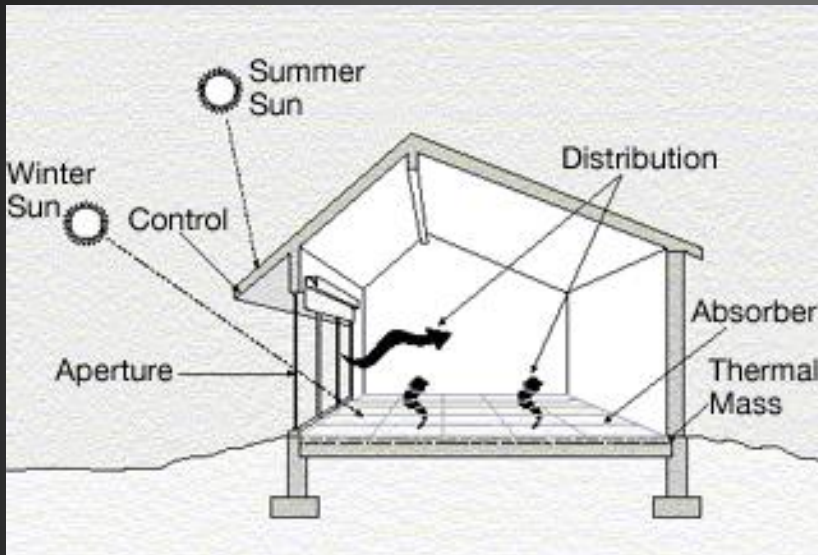
Water Harvesting/Reuse
Grey & blackwater treatments

ENERGY CONSERVATION



Heat Islands
on-site Energy

ENERGY CONSERVATION



Increase Efficiency
streamline typologies

WASTE REDUCTION



Reduce
REUSE
Recycle

TRANSPORT/MOBILITY



options

New technologies

TRANSPORT/MOBILITY



connections
Retrofit
Health

Sustainable Placemaking...

But It's a process of change...

can be aided by zoning...

in our thinking

in our everyday habits

in the technologies we use

And requires continuous...

monitoring

evaluating

revising