SUBDIVISION REGULATIONS & INFRASTRUCTURE

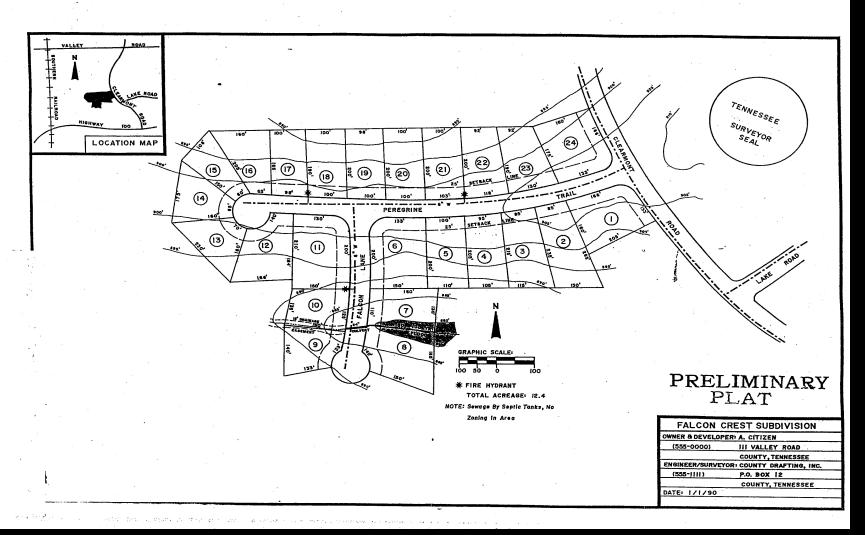
Local Planning Assistance Office

Planning Commissioner Training

SUBDIVISIONS

How many do you have?

THE PURPOSE OF SUBDIVISION REGULATIONS

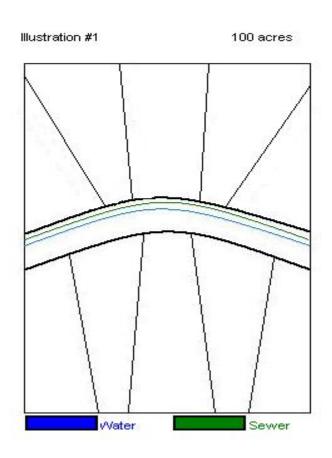


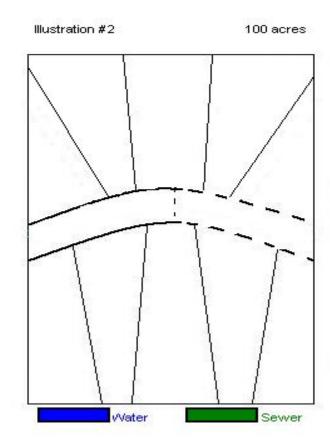
Subdivision Regulations in Tennessee History

- Tennessee enacted State version of SCPEA in 1935
- Planning authority organized into municipal and regional authority
- Subdivision Definition

"Subdivision" means the division of a tract or parcel of land into two (2) or more lots, sites, or other divisions requiring new street or utility construction or any division of less than five (5) acres for the purpose, whether immediate or future, of sale or building development, and includes re-subdivision and when appropriate to the context, relates to the process of re-subdividing or to the land or area subdivided.

EXERCISE #1





Subdivision Regulations: Adoption and Use

- Major Road Plan is a prerequisite
- Implementation of Comprehensive Plan
- Enforcement is critical

TCA Citations:

- ➤ 13-4-306: prohibit property sales based on unapproved plats
- ➤ 13-4-307: accepting unapproved roads
- ➤ 13-4-308: prohibits issuing building permits for lots with unapproved access

SUBDIVISION REGULATION DEVELOPMENT

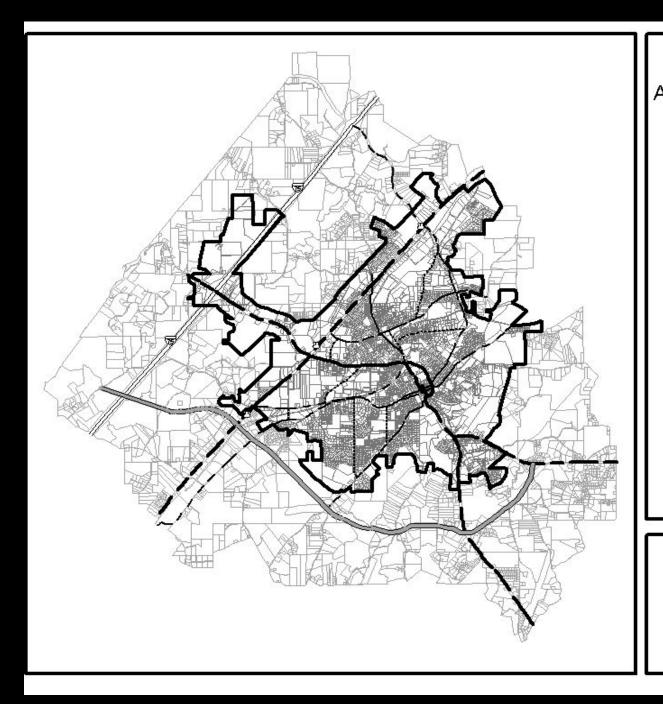
SUBDIVISION REGULATIONS: THE MAJOR ROAD PLAN

A Street Classification System

Arterial, collector, residential

Plans for Future Streets

Street Types=Right-of-Way Requirements

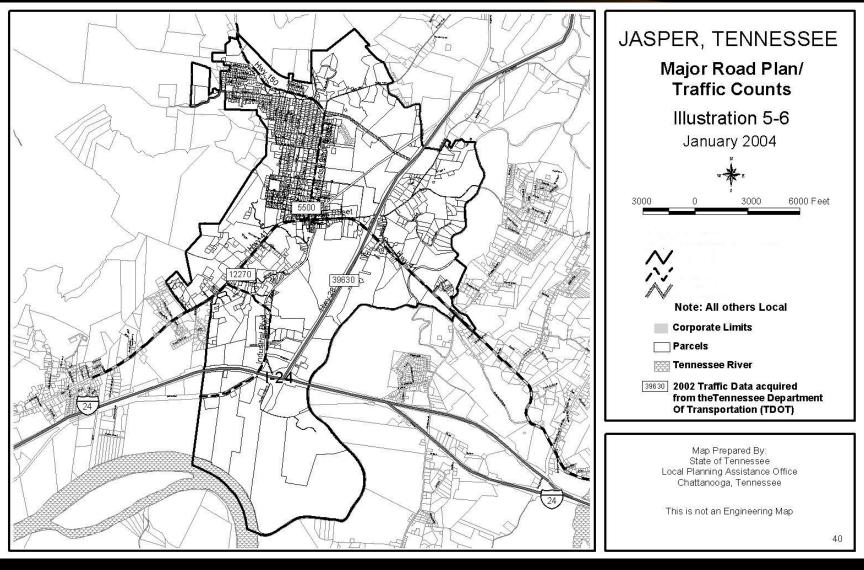


ATHENS, TENNESSEE Major Road Plan Illustration 5-8 January 2004 6000 12000 Feet 6000 V/Interstate **V**Major Arterial **,`,'**Minor Arterial Collector Proposed Bypass Parcels City Limits

Map Prepared By: State of Tennessee Local Planning Assistance Office Chattanooga, Tennessee

This is not an Engineering Map

EXERCISE #2



SUBDIVISION REGULATIONS: THE ADOPTION PROCESS

Planning Commission develops proposed standards

Input needed during preparation from street and utility providers

Public Notice posted: Public hearing held by the Planning Commission

Majority vote of the Planning Commissioners present needed for adoption

SUBDIVISION REGULATIONS: TECHNICAL STANDARDS

Street Standards: Design, Construction, Inspection

Water: Potable water, Fire Protection, Construction standards

Sewer: Expansion where possible, Connection requirements

Drainage: Design to limit runoff to pre-construction levels, Federal Phase II requirements

SUBDIVISION REGULATIONS: PLAYERS & THEIR ROLES

The Land Owner

-select a surveyor to develop a plan that meets the landowner's needs

The Surveyor & The Engineer

-surveyor establishes boundary lines; engineer designs infrastructure

Infrastructure Providers

-extension policies for water, sewer, electrical, telephone, gas, cable service; streets administered by the local government

Planning Commission

-develops subdivision regulations; reviews, then approves or denies subdivision plats

City Commission

-selects one member to serve on PC; sets streets standards and accepts conforming streets

Planning Staff

-works with all of the above to assure a smooth process

SUBDIVISION REGULATIONS: THE FINAL PRODUCT

- Legal Preambles
- Definitions
- Plat Requirements and Submittal Process
- Construction & Design Standards
- Enforcement, Penalties

SUBDIVISION REGULATIONS: PLAT SUBMITTAL & APPROVAL

Preliminary Plat

-also called Design Plat; shows general lot layouts, overall development uses and densities, locations of infrastructure elements

Construction Plat

-not always required; shows detailed engineering of infrastructure

Final Plat

-instrument used to record the final approved design; shows all lot lines and street locations; contains certificates to document approvals

EXERCISE #3

SUBDIVISION DEVELOPMENT & SITE DESIGN

SUBDIVISION DESIGN TECHNIQUES AND ISSUES

- Consider existing street and utility capacities
- Avoid problematic natural features
- Fit the development to the site, not vice versa
- Conserve trees, nature habitat, and wetlands as open space
- Adequately design for storm water
- Design issues involve short-term and long-term costs

SUBDIVISION DESIGN: USING ALTERNATIVE TECHNIQUES

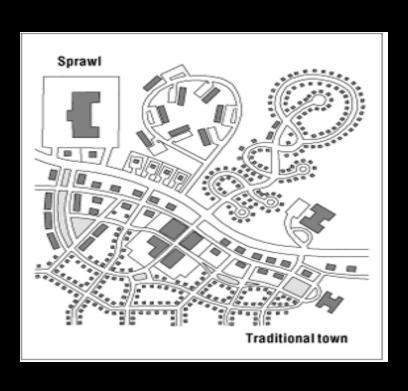
Before imposing a design, evaluate the site's features:

- soils
- geological features
- topographic features
- hydrological features
- plants and wildlife, if applicable

SUBDIVISION DESIGN: ALTERNATIVES TO TRADITION

- Cluster Design
- Conservation Design
- New Urbanism/TND

COMPARISON OF DESIGN PATTERNS



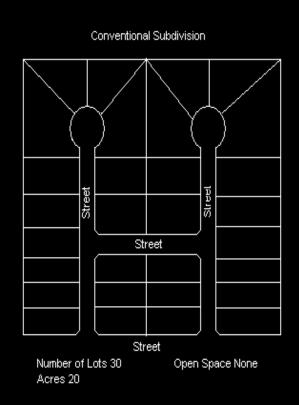
- Vehicular vs pedestrian
- Sprawl vs compact
- Large vs small lot
- Segregated vs mixed use
- Low vs high population density
- Big box vs main street

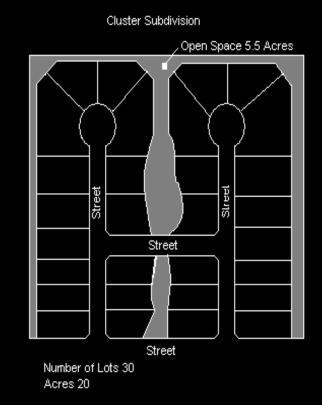
CONVENTIONAL DESIGN



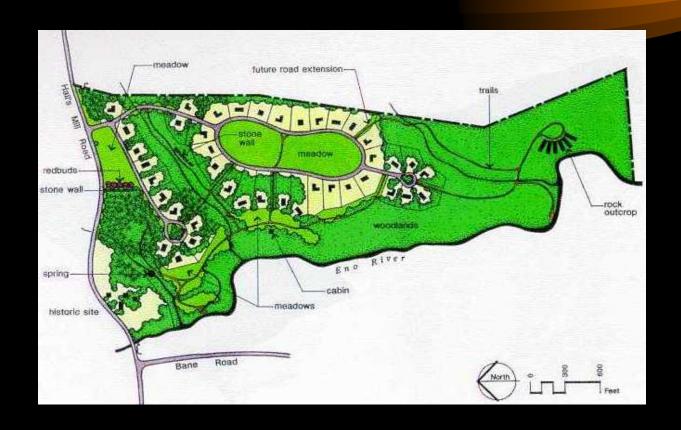
- Divides entire property into separate parcels
- Environmentally sensitive areas are deeded to individuals
- Streets and utilities may not be designed efficiently

CONVENTIONAL AND CLUSTER DESIGN





CONSERVATION DESIGN



NEW URBANIST AND TRADITIONAL NEIGHBORHOOD DESIGN



- Conservation Areas
- Public Open Space & Trails
- Use of Alleys for Utilities and Services
- Pedestrian Oriented
- Public Facilities Onsite
- Mixed Use Encouraged

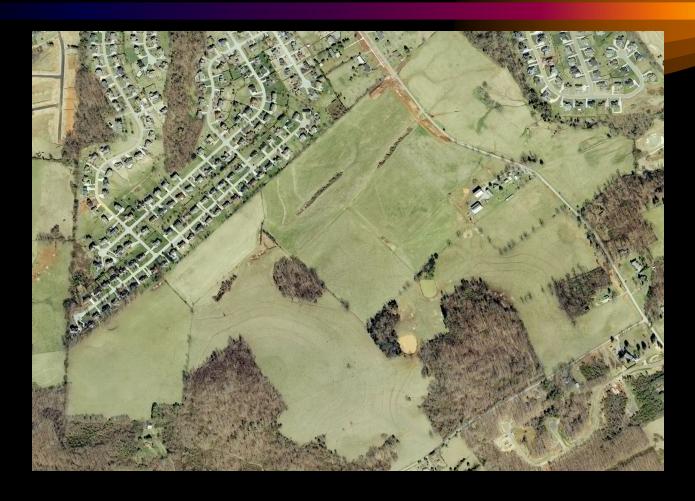
CONVERSION OF FARM TO SUBDIVISION



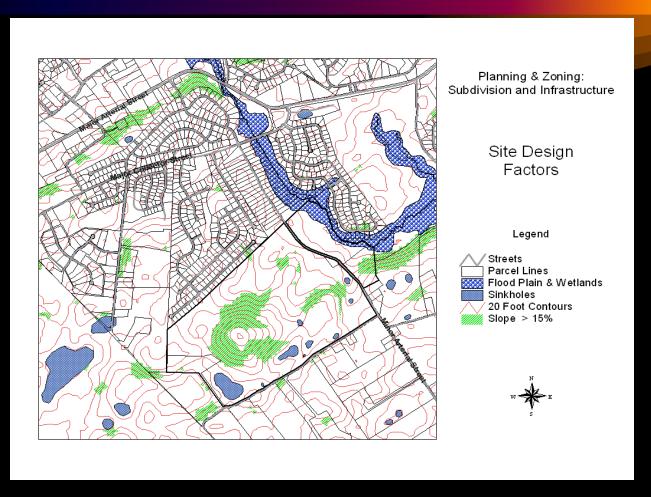




AERIAL PHOTOS ARE USEFUL IN SITE DESIGN



DESIGN WITH THE PHYSICAL ENVIRONMENT



CONSERVATION DESIGN EMPHASIZING OPEN SPACE WITH SLOPE, WETLANDS & TREE PRESERVATION



SUBDIVISION DESIGN WITHOUT ENVIRONMENTAL FEATURES



EXERCISE #4: DESIGN A CONSERVATION SUBDIVISION

- Keep out of the floodplain
- Protect Sinkholes
- Preserve forests where practical
- Keep street grade under 15%
- Cluster and mix lot sizes

SUBDIVISION REGULATION ADMINISTRATION, GUARANTEES & RELATED ISSUES

Instruments to Guarantee Infrastructure Performance

Infrastructure Bonds

- Surety Bond
- Escrow Account
- Irrevocable Letter of Credit
 - Maintenance Bonds lessens financial impact on taxpayers by serving as a "warranty" on improvements

Dedication & Acceptance: Streets and Other Public Ways

- Foley v. Hamilton Dedication ≠ Acceptance
- Formal Dedication Process includes a recommendation from the Planning Commission and a legal mechanism to perform the transfer to the public by the legislative body

Development Assessments

Impact Fees vs. Development Taxes and Exactions

IMPACT FEES

- Imposed as a condition for approval of development
- Finances public improvements directly impacted by development
- Fees assessed must not exceed proportionate share of costs incurred by local government in providing public facilities
- Fees must be used to the benefit of the development that pays the fee

DEVELOPMENT TAXES/PRIVILEGE TAXES

- Revenue-raising tool
- Can be added to the community's general fund
- Funds can be used for operation and maintenance of facilities
- Not subject to "rational nexus" or "rough proportionality" determinations

IN SUMMARY

Questions??