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## Subdividing in the Wildlands of Maine (1973)

Maine Land Use Regulation Commission

Bruce Hendler

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# Subdividing



In the Wildlands of Maine

Written and Illustrated
by
Bruce Hendler
Landscape Architect
for the

Maine Land Use Regulation Commission September, 1973

# Subdividing



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Cover illustration: Wood engraving (composite) by Thomas Bewick, c. 1790.

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#### Introduction

"The charming landscape which I saw this morning is indubitably made up of some twenty or thirty farms. Miller owns this field, Locke that, and Manning, the woodland beyond; but none of them owns the landscape. There is property in the horizon which no man has but he whose eyes can integrate all the parts...this is the best part of these men's farms, yet to this their warranty-deeds give no title."

Ralph Waldo Emerson 1836

**Subdividing in the Wildlands of Maine** is the second of a series of informational booklets being prepared by the Maine Land Use Regulation Commission.

This booklet is part of the commission's effort to help unravel some of the problems encountered when planning to create a subdivision on land already owned, or when planning to purchase land for the purpose of subdividing.

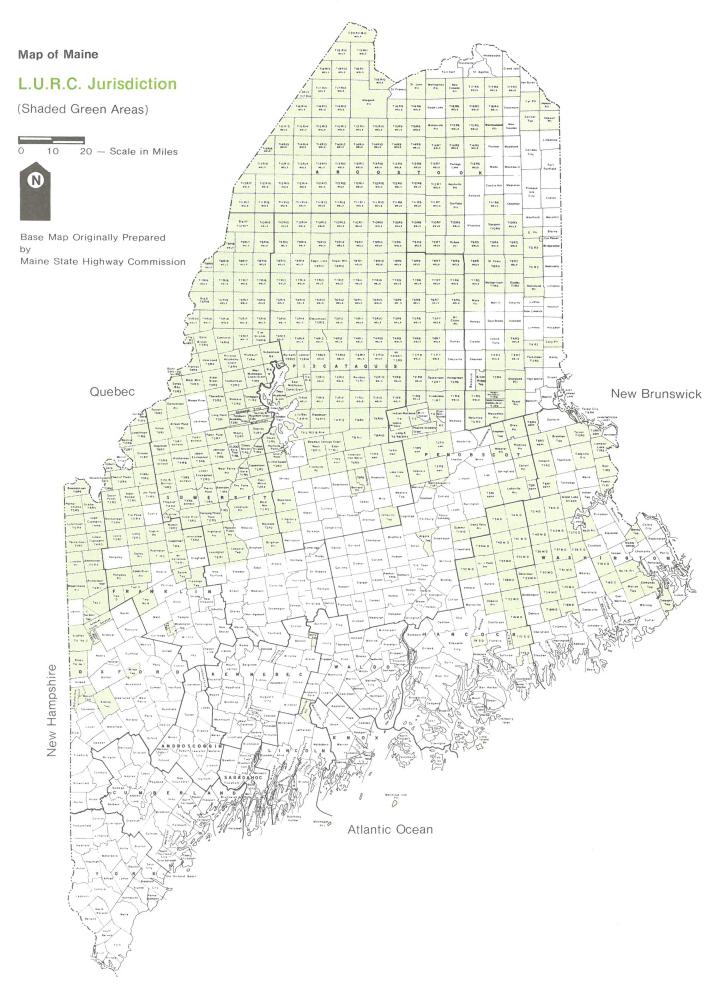
The primary objective behind the extensive research and planning which went into the preparation of this booklet was to present in a non-legal and relatively non-technical fashion, a pictorial discussion of the principles and techniques of subdivision site analysis and site planning. As such, it is intended to be a supplement to the commission's more specific land use standards and regulations relative to subdivisions.

It is an attempt to point out how to avoid the mistakes frequently made in choosing suitable land for subdividing, and in appropriately subdividing that land — mistakes which result in increased land use conflict and environmental degradation, and which cause problems and delays in applying for and receiving a subdivision permit — all of which results in a waste of time and money.

I hope that the content and enjoyably clear graphic format of this booklet will help towards a better understanding of what land use regulation is all about. I think you will find that it is a matter of common sense and for our common benefit.

James S. Haskell, Jr.
Executive Director
Maine Land Use Regulation Commission
Augusta, Maine
September, 1973

1 Map and Glossary



## Glossary of Terms Used in this Book

Subdividing in the Wildlands of Maine is not a legal document.

It is an informational publication, and as such, does not take pains to employ a legally defined vocabulary — hence, the following glossary:

#### Building Dwelling Structure Units

Are used interchangeably in reference to all buildings — including mobile homes and prefabricated structures — which are used part-time, seasonally, or year-round for human habitation, commercial, recreational, or vehicular activity.

#### Lot Parcel Property Site

Are used interchangeably in reference to the land — whether owned or leased — upon which subdivision activity is anticipated.

#### Development Development Activity Subdivision Subdivision Activity

Are used interchangeably to describe the subdivision — including all utilities, buildings, and access/circulation systems — during sale, construction, and in subsequent use.

#### Land

Is used to mean a subdivision, development, lot, parcel, site, or property; or in reference to the surrounding area or region in which the subdivision, development, lot, parcel, site, or property is located.

#### L.U.R.C.

The Maine Land Use Regulation Commission.

2 Before Buying Land

#### **Before Buying Land**

## What to Ask the Seller or Agent

These questions should be asked both for the protection of the seller or agent, and the buyer.

To be certain of what you are getting can prevent the buyer from getting "stuck", as much as it can prevent the seller or agent from being sued for an honest mistake.

The checklist below is by no means complete, but may, at least, serve as a jumping-off point for more specific questions the individual may have.

Is the land accessible?

- by public or private road?
- what kind of road? (gravel, tarred?)
- year-round or seasonal? (is it plowed in winter?)
  - is access by water?

What type of terrain is it?

- flat?
- hilly?
- steep?
- low-lying?
- swampy or marshy?

Is water available?

- spring?
- well? (drilled, driven, or dug?)
- lake?
- quantity?
- quality?

What types of soils are on the property?

- well-drained?
- poorly drained?
- deep or shallow?
- stony or non-stony?
- suitable for on-site waste disposal?

Is the lot forested?

- what kind of growth? (hardwood, softwood?)
- how mature is the growth?
- is it marketable or worth preserving simply because it is beautiful or unique.

Are there any views?

Is there any major development next to the property or near it which may affect it? (i.e., an existing or proposed highway, an existing or proposed quarry, existing or proposed commercial or industrial activity?)

What is the general trend of land values in the area?

What are the property taxes?

Are there any existing buildings on the land?

- what kind of buildings? (wood frame, barn, brick, etc.?)
- how old?
- what is the condition of the structure(s)?

Are public services available?

- electric service?
- waste disposal area?
- emergency services (doctor/ambulance, police, fire?)
- -schools?

## What to Ask the Seller or Agent

If you are not buying through a bank, have a title search done by a lawyer. If you are mortgaging through a bank, they will usually have a title search done for you. Even so, ask the bank's attorney to give you a title opinion.

A title search should reveal:

- if there are back taxes owed on the land.
- whether the seller really owns the land.
- if there are any liens or attachments on the land.
- if any easements or other restrictions would affect your use of the land.

It is important to have a *market* analysis done. A reputable marketing research firm or bank specialists can do this for you.

A competent market analysis won't guarantee investment, but will aid the prospective subdivider in determining the wisest economic course of action to take — whether to simply sell lots, or to undertake construction, as well... or to avoid a bad investment altogether.

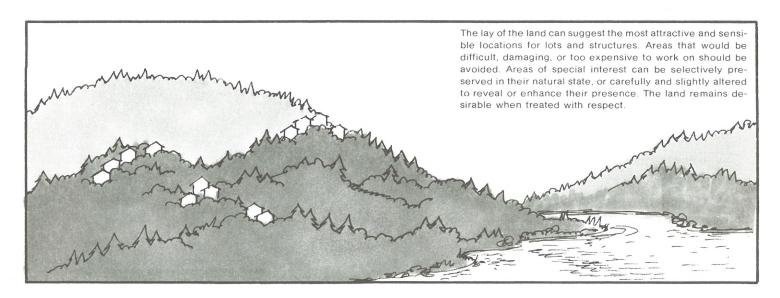
Don't put your money down unless you are relatively certain that the Maine Land Use Regulation Commission will permit you to subdivide as you visualize.

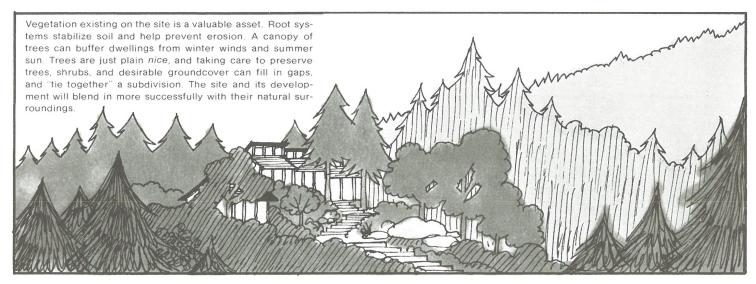


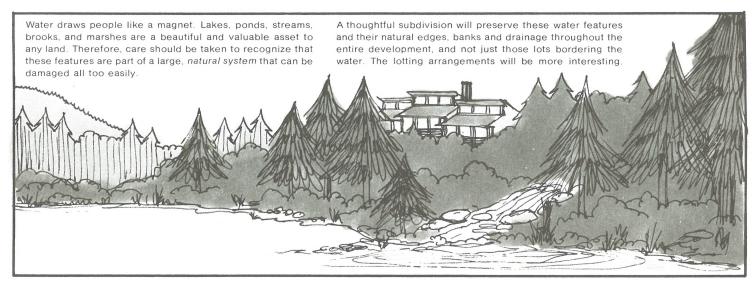
Anonymous - Brown Brothers Archive

To avoid later entanglements, be sure to inform prospective purchasers of lots on your subdivision, whether or not their lot meets the requirements of the Maine Land Use Regulation Commission — especially if they plan to construct a building themselves.

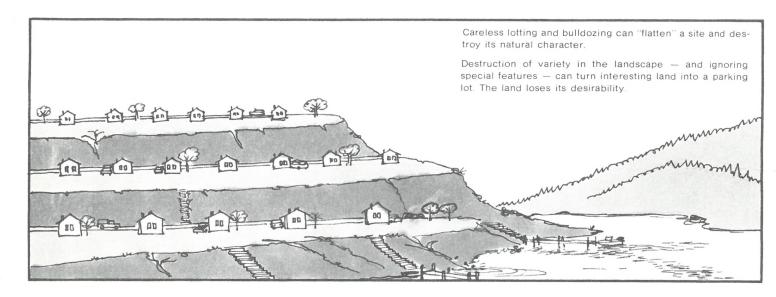
## Why Know the Land?

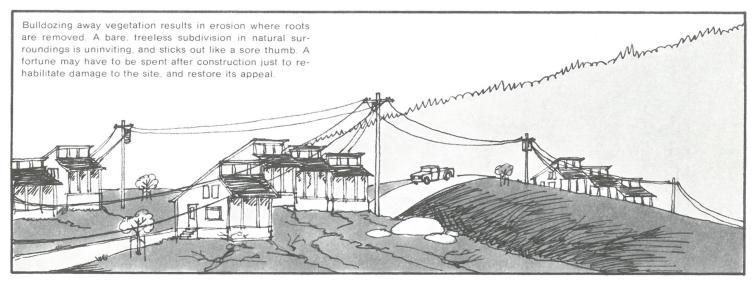


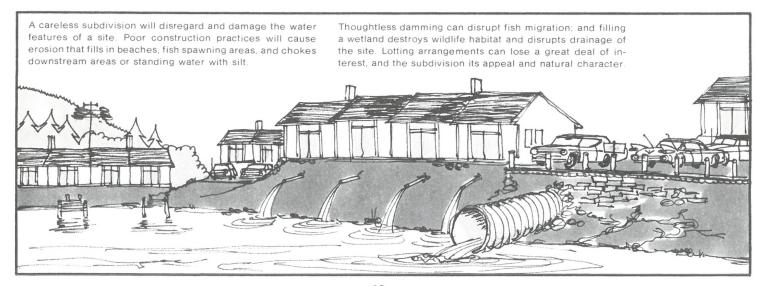


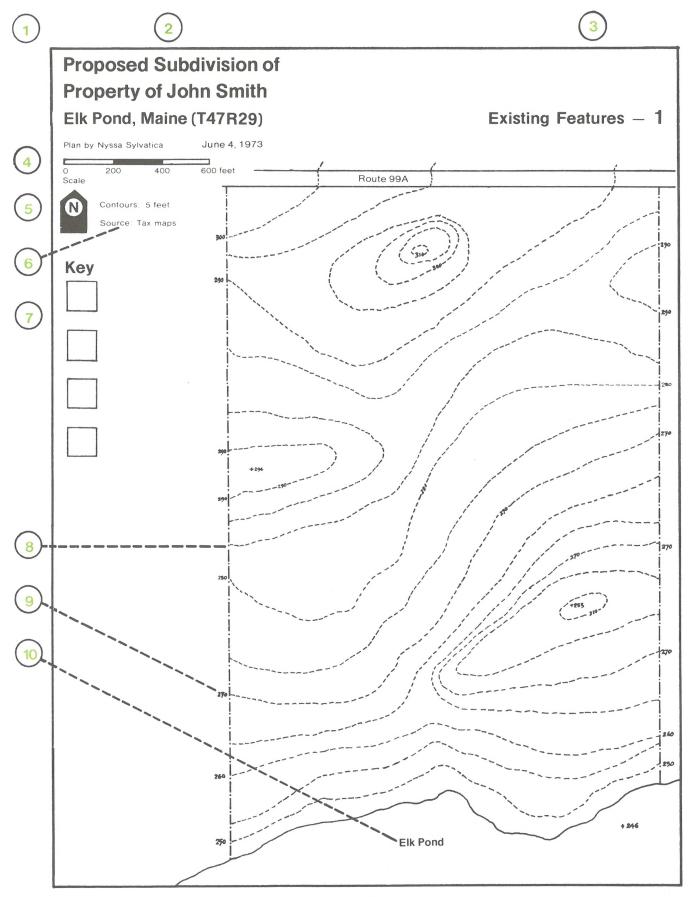


## Why Know the Land?









## 1 Map Size:

All maps should measure  $8\frac{1}{2}$ " x 11", or a multiple of  $8\frac{1}{2}$ " x 11" (17" x 22", or  $25\frac{1}{2}$ " x 33", etc.). This is a standard format which permits easier and less wasteful reproduction for records.

## 2 Title:

All maps should have a title indicating the *ownership* and *location* of the property, as well as the name of the person(s) who prepared the map.

## 3 Numbering and Label:

All maps should have a number and label to indicate that there is specific information on the map that is different from another map of the same property.

## 4 Scale:

All maps should include a simple graph indicating the scale of the map. This information shows the relationship of the map to the actual dimensions of the property (for example, 1 inch on the map represents 400 feet on the property). It is preferred - though not necessary - that all maps in a plan or permit application be the same scale. This helps speed understanding of the relationship between different maps of the same property. If any changes in scale do occur from map to map. then those changes should be noted on the map.

## 5 North Arrow:

All maps should include some indication of the relationship of the property to North on the compass. Furthermore, it helps understanding of a series of maps if *all* the maps in that series show the property in the *same relationship* to North.

#### 6 Sources:

Maps should indicate where the information on the map was obtained.

### **7**) Key:

All maps should contain some form of key. The key is a clear way to identify specific information on each map (see the following pages).

## 8 Property Line:

The boundaries of the property should be shown on the maps. The dimensions of the property should match the scale.

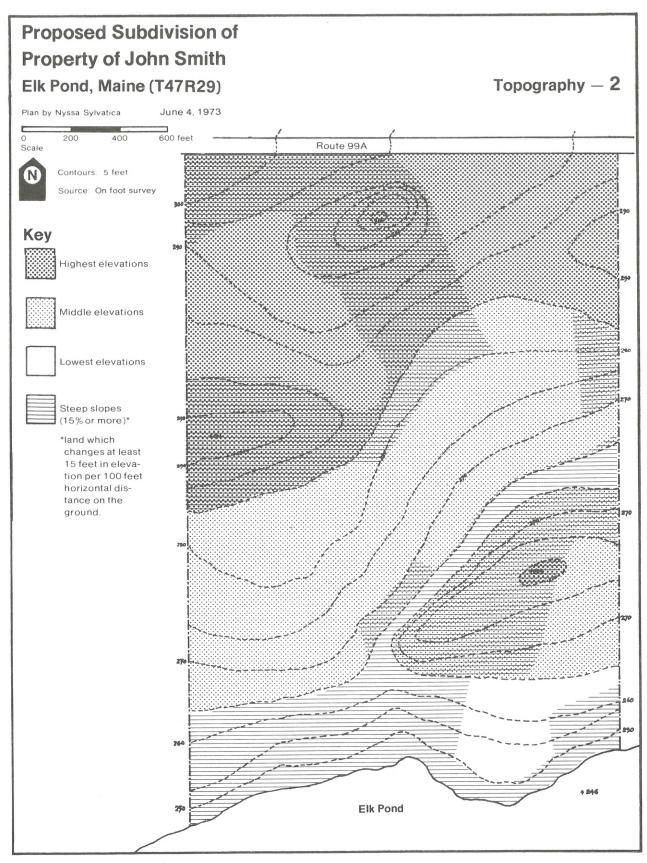
### 9 Contours:

Changes in elevation on the property are best indicated by contour lines which show the contour interval — that is, the changes in elevation which occur from contour line to contour line. The contour interval should be frequent enough to give an accurate and detailed description of the lay of the land. The contour interval on the map is 5 feet, that is, every 5 foot change in elevation on the property is shown.

## (10) Features:

All outstanding features on the property should be expressed and *labelled*. This includes all permanent natural and man-made features.

## Lay of the Land (Topography) Map



## Lay of the Land (Topography) Map

#### What to look for:

Level areas.

High elevations: crests

ridges hilltops

Low elevations: valleys

swales depressions wetlands floodplains Rocky areas: exposed ledge

stony surface

Surface water: lakes, ponds,

rivers, streams, springs, seeps, bogs, wetlands,

etc.

Steep slopes.

Good views: from high land

- from low land
- from site toward water
- from water toward site
- from site toward road or distance
- from road or distance toward site

#### How to find it:

On foot: the cheapest, most thorough and reliable source of information. Even though time-consuming on larger properties, it is worthwhile in the long run.

Aerial photographs: available from the nearest office of the Soil Conservation Service, or directly from the federal government. You can tell a lot from these photographs; but thorough, accurate interpretation of them is a process which may require the services of a professional.

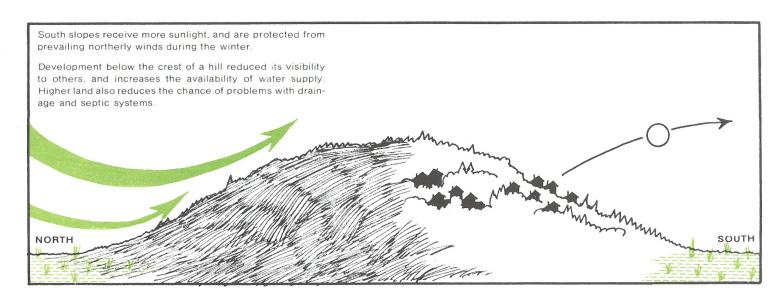
U.S.G.S. Maps (United States Geological Survey): available from realtors, sporting stores, etc., or you can get them yourself from Washington. U.S.G.S. maps are generally reliable as far as actual topography is concerned, but the scale and contour interval are usually too large for smaller properties and lots. Information about man's activities are usually out-of-date.

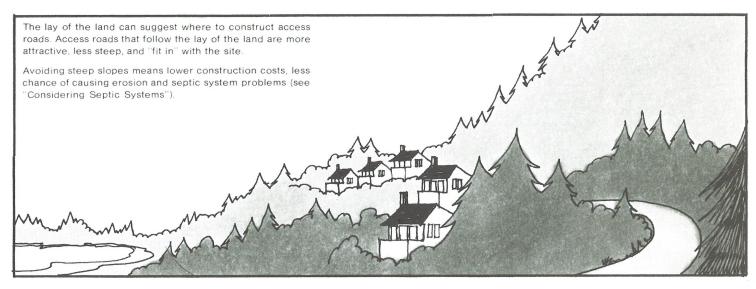
#### Why it is important:

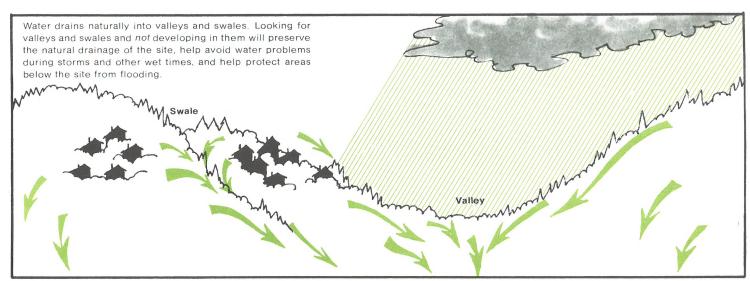
Topographic information gives a fast overview of the character of the site—whether it is hilly or flat; sloping gradually or steeply; where it is likely to find wet spots or good views. A quick look at the lay of the land can suggest the best site for buildings, access location, plumbing and activity areas.

' way

## Considering the Lay of the Land







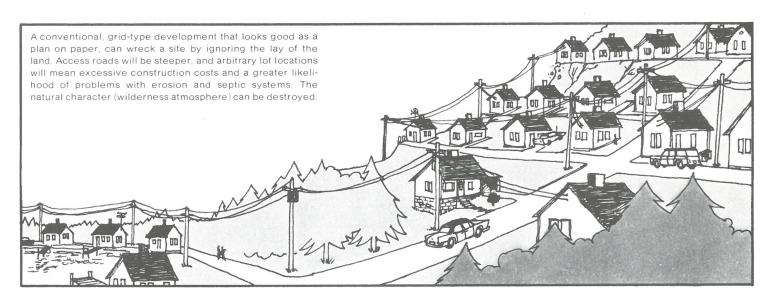
## Disregarding the Lay of the Land

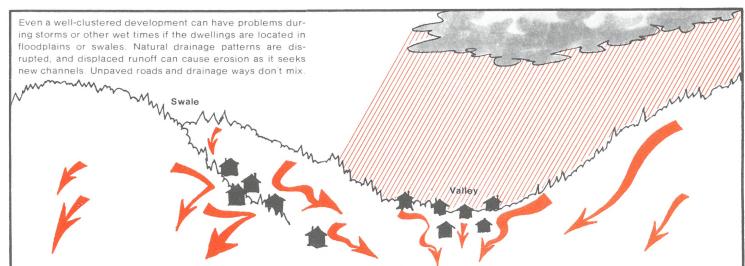
North slopes receive less sunlight than south slopes and are therefore colder and wetter. They are also exposed to the prevailing northerly winds of winter.

Development at the crest of a hill is exposed to wind from most directions. It is highly visible, and can thus destroy the natural character of the site and its surrounding area. Water sources may be unavailable or expensive to reach.

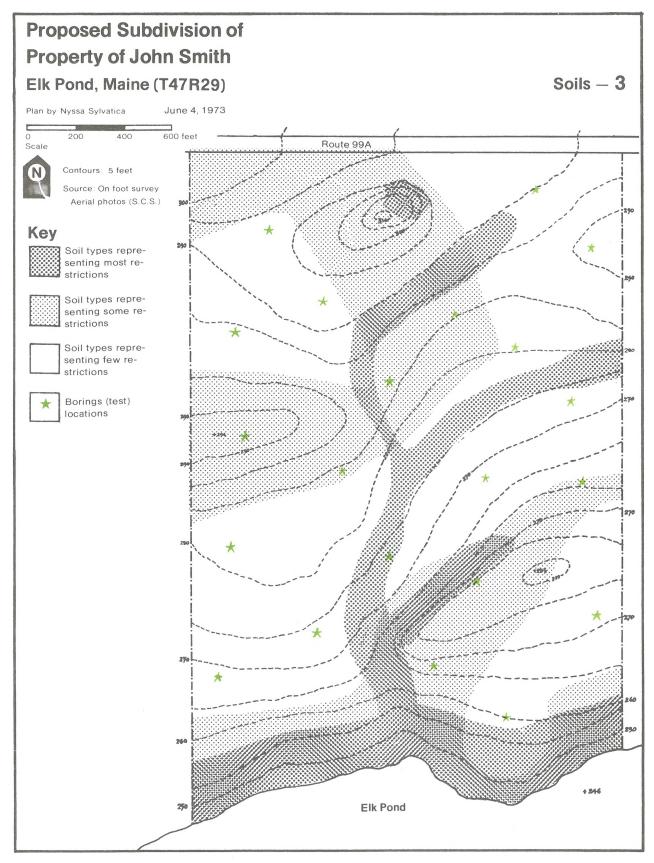
The lowest areas on the site may be coldest and wettest (a frost pocket or wetland). The chances of problems with heat, water supply, and septic systems increase.

NORTH





## Soils Map



## Soils Map

#### What to look for:

Steep slopes.

Obviously wet areas.

Vegetation that indicates wetness, such as cattails, alders, cedars, etc.

Rock outcroppings.

Depth to bedrock.

#### Where to find it:

An on-foot visual check.

S.C.S. maps (Soil Conservation Service); S.C.S. offices are located in every county seat in Maine.

Test borings and pits, preferably conducted by a soils scientist.

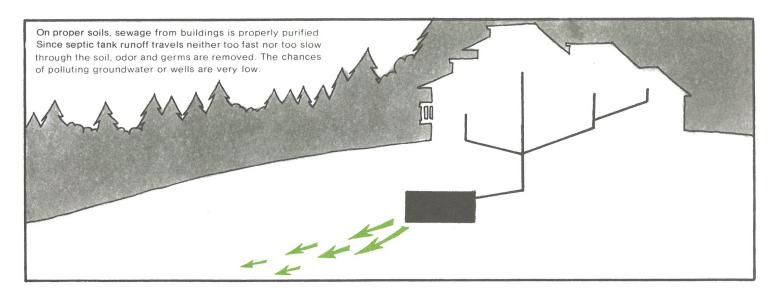
#### Why it is important:

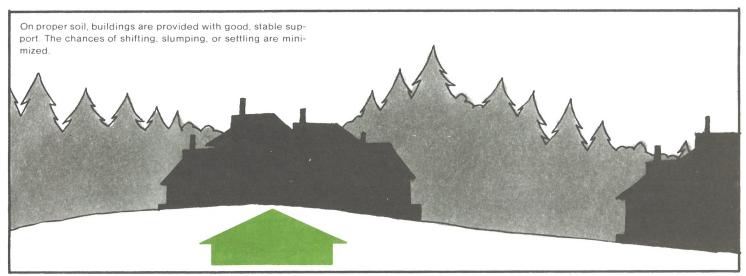
The suitability of soils for building sites depends, in part, on their capacity to drain water. Soil types are categorized by both wetness and degrees of slope, as well as the texture and size of particles involved — all of which affect the ability of the soil to permit water to pass through it, or to support the weight of buildings placed on it

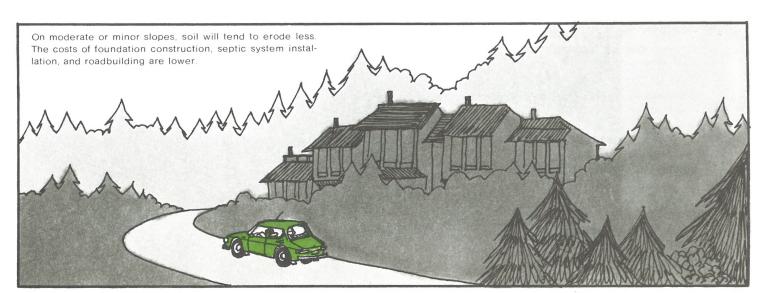
For example: Wetlands are found on soil types that have a low percolation rate — that is, the density of the soil particles dramatically slows the ability of water to seep through it (or it stops water from seeping through it altogether, as with clay). Water then remains close to, at, or above the surface. Wet soils thus require subdivision and building restrictions.

Dry, sandy soils with moderate to severe slopes also require building restrictions because such soils are highly susceptible to erosion. Erosion carries away topsoil, and deposits excessive amounts of this material in streams and river floodplains (siltation).

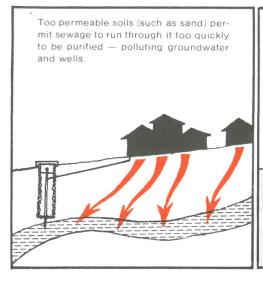
## **Considering Soils**







## **Ignoring Soils**



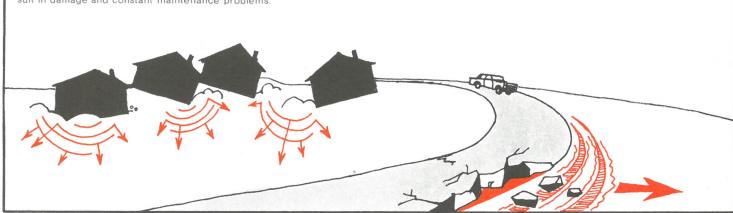
Soils not permeable enough (such as clay) will cause sewage to seep to the surface — creating wet, smelly, and unsanitary conditions.



Bedrock too close to the surface will cause sewage to be deflected back to the surface — also creating unsanitary conditions.

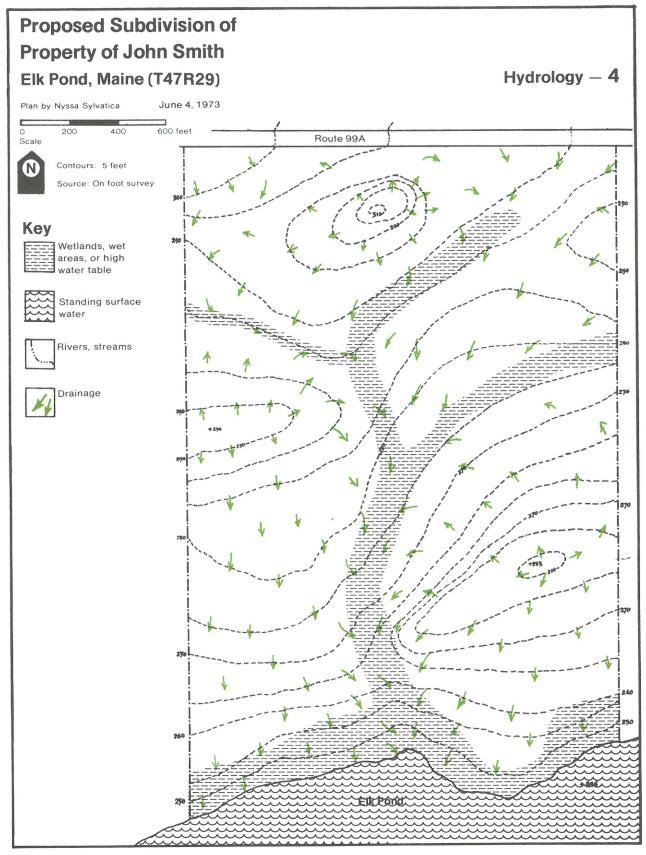


Improper soils — even on moderate or minor slopes — may be unable to bear the weight of construction equipment, buildings, or traffic. Settling, shifting, and slipping can result in damage and constant maintenance problems.



On steep slopes, soils present severe problems for buildings, roads, and septic systems: Septic runoff may be difficult or impossible to control; the tendency for soil to erode if disturbed is high, as is the danger of slumping (collapse) under weight. The costs of engineering foundations and installing septic systems skyrocket.

## Water Systems (Hydrology) Map



## Water Systems (Hydrology) Map

#### What to look for:

Seeps, springs, wells, and other sources of water supply.

Drainage patterns.

Wet areas, bogs, etc.

Surface water, such as lakes, ponds, and streams.

Water table level.

Vegetation typical of wet areas, such as cattails, alders, cedar, etc.

#### How to find it:

On foot.

Testing for location by boring test holes or digging pits.

Testing for quality of water once location is established.

Hydrologic maps (if available) from the U.S. Geological Survey, Water Resources Division.

Dowsing (but be careful; have a contract).

#### Why it is important:

Precipitation, in the form of rain and snow, seeps into the ground, moving through various permeable layers in a roughly vertical direction until it reaches bedrock or other impermeable strata. Water then begins to move in a roughly horizontal direction. This is called groundwater.

Sources of groundwater are important to dwellings with wells as the main source of drinking water.

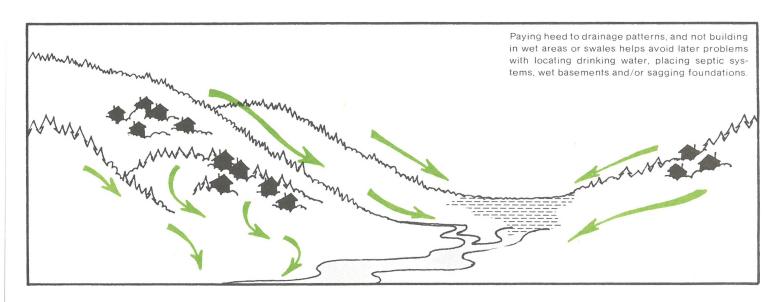
The depth to groundwater can determine if a site will allow septic facilities.

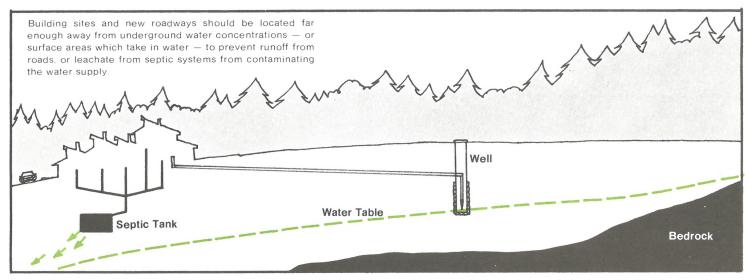
Precipitation which does not drain into the soil, but remains or appears above the ground is called surface water. Surface water includes lakes, ponds, rivers, seasonal and year-round streams, seeps, marshes, swamps, wetlands and floodplains.

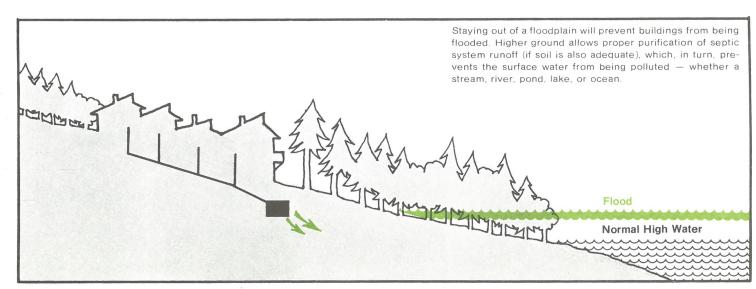
The disruption of drainage patterns can result in erosion siltation, and damage to the building. If large numbers of people are careless about water systems, then the soil and water resources of an entire region may become polluted or destroyed.

All of these elements of groundwater and surface water are linked to one another, and modifying any one element will result in modification of all the other elements.

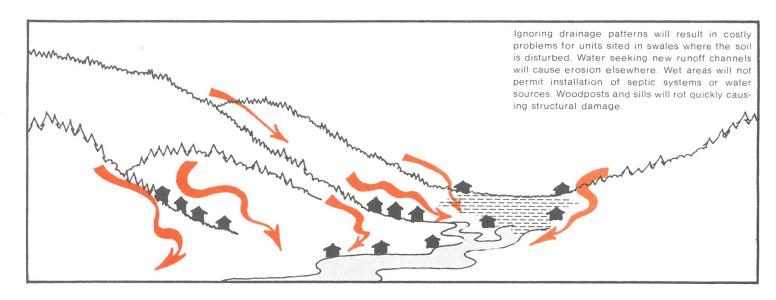
## **Considering Water Systems**

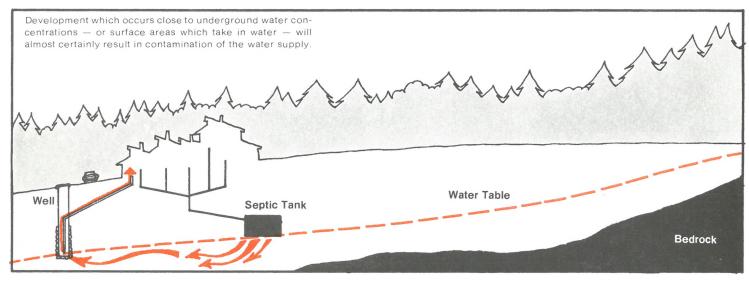


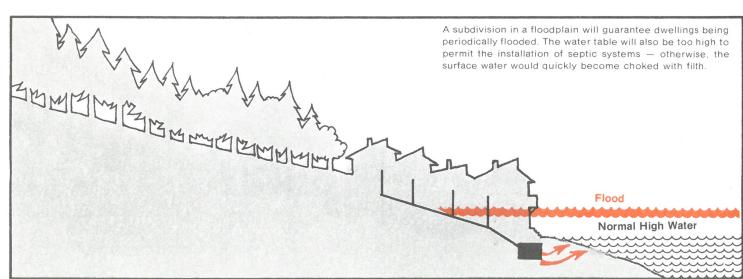




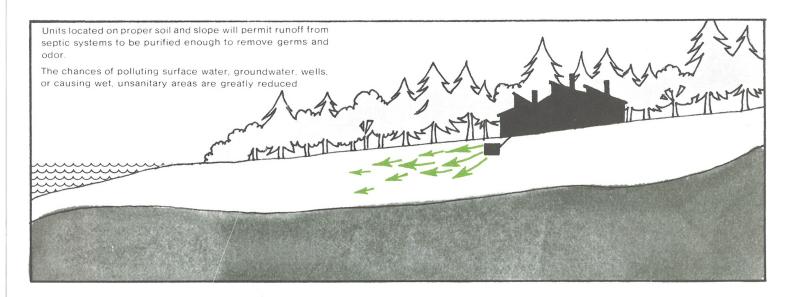
## **Disregarding Water Systems**

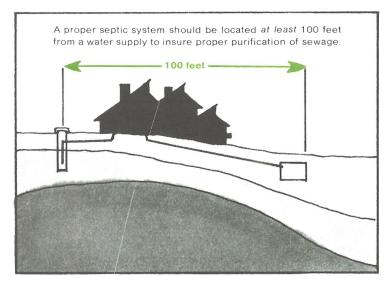


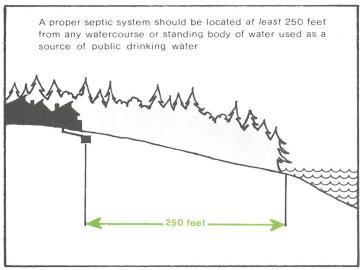


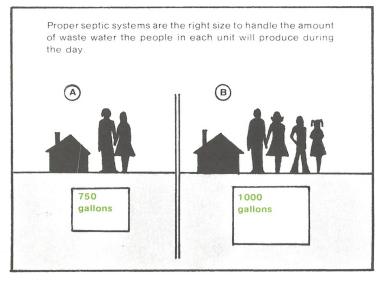


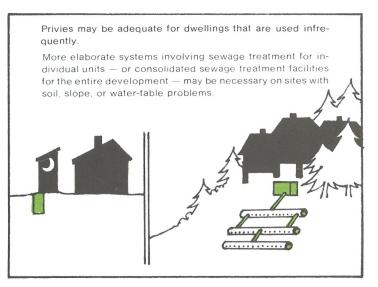
## **Considering Septic Systems**



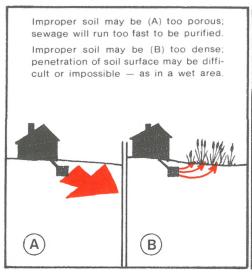




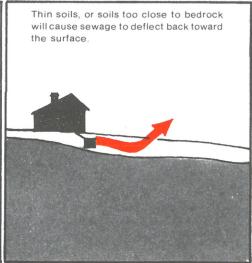


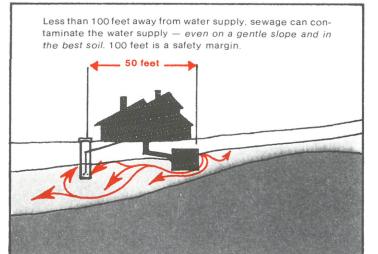


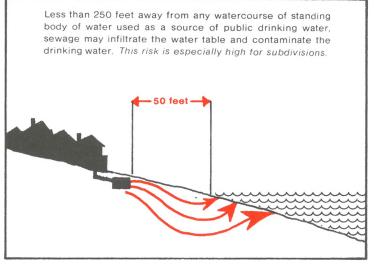
## **Septic System Problems**





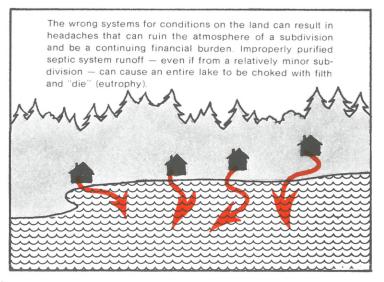




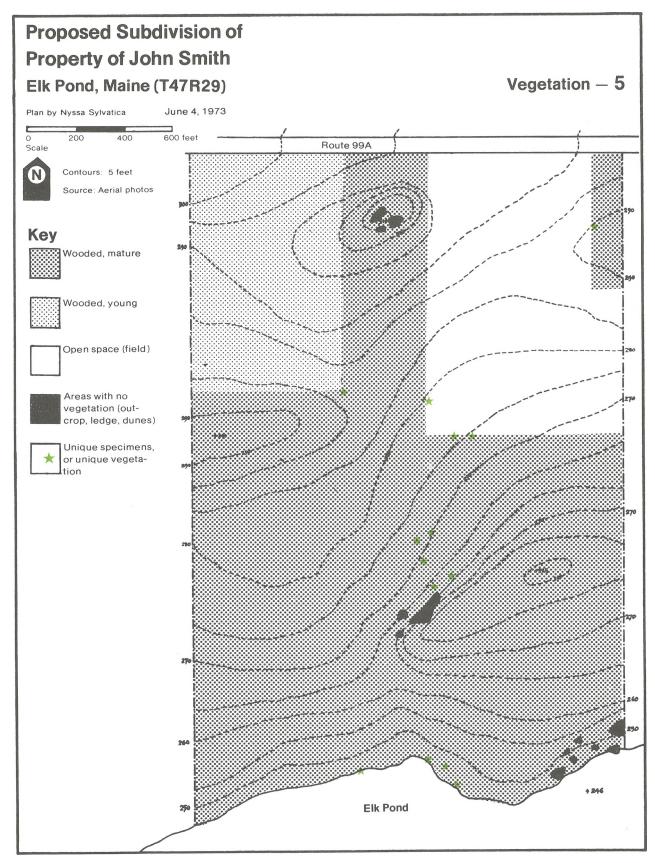


Poorly planned septic systems are too small to handle the amount of waste water produced in a unit during the day. Unsanitary conditions and wet, foul-smelling areas can result from overflow of the systems.

750
gallons



# **Vegetation Map**



## **Vegetation Map**

#### What to look for:

Areas made up primarily of mature trees.

Areas made up primarily of younger trees (thin trunks, dense growth).

Cut-over areas.

Open areas, such as fields.

Unusual or unique specimens (such as a very old white pine of immense size).

Areas with no vegetation, such as ledge or outcrop, and dunes.

#### How to find it:

On foot — the cheapest reliable way of getting information. It is the best way to spot details that aerial photography misses.

Aerial photography — a reliable means of gaining general information about vegetation on the site. A trained interpreter can determine species, age of the stand(s), and other information from the photographs.

U.S.G.S. maps (United States Geological Survey) are generally too large in scale for accurate information, and are usually outdated. The vegetated areas are indicated by a pale green color, and are meant only to show vegetation which is large enough to hide a man (military use).

#### Why it is important:

Aside from forests being harvestedfortimber and pulp, green areas are critical to our survival, since green plants are a source of oxygen, as well as the basic source of food for all living creatures.

Field, forest, and wetland alike provide both food and shelter for many different kinds of birds and animals. They are also useful to man for their educational, scientific, and recreational value. Indeed, indiscriminate alteration of vegetation will only result in destroying the principal natural resource which attracts people to the wildlands of Maine.

There is no way to place a dollar value on such a resource — it is priceless.

Forest values other than wood products include:

Maintenance and enhancement of visual character.

Ability to buffer noise.

Wildlife habitat, such as: wetlands, deer wintering areas, eagle nesting areas, heron rookeries, etc.

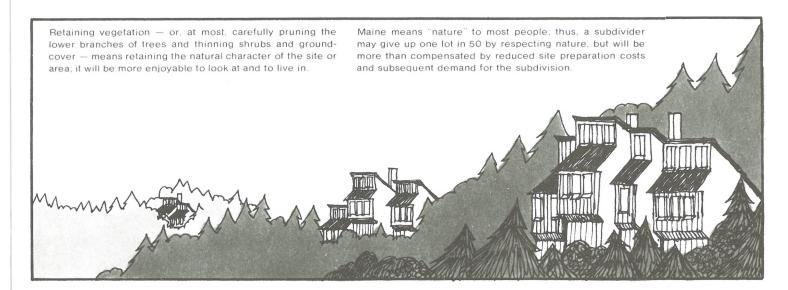
Recreation.

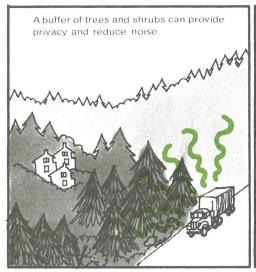
Soil stabilization.

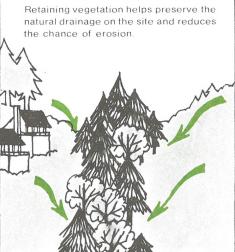
Watershed protection.

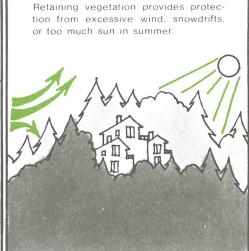
Ability to moderate climate by screening sun and wind (micro-climate).

# **Considering Vegetation**











## **Disregarding Vegetation**

Bulldozing the vegetation may make it easier for heavy equipment to move around, but the natural character of the site or area will be destroyed.

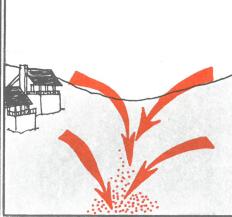
As a result, even the best architecture can look stark and uninviting. In the long run; the subdivider will spend a lot more trying to make the subdivision attractive again.



Stripped of vegetation, the site loses privacy and protection from excessive noise.



Stripping away vegetation — especially when coupled with regrading — disrupts natural drainage. Erosion is likely.



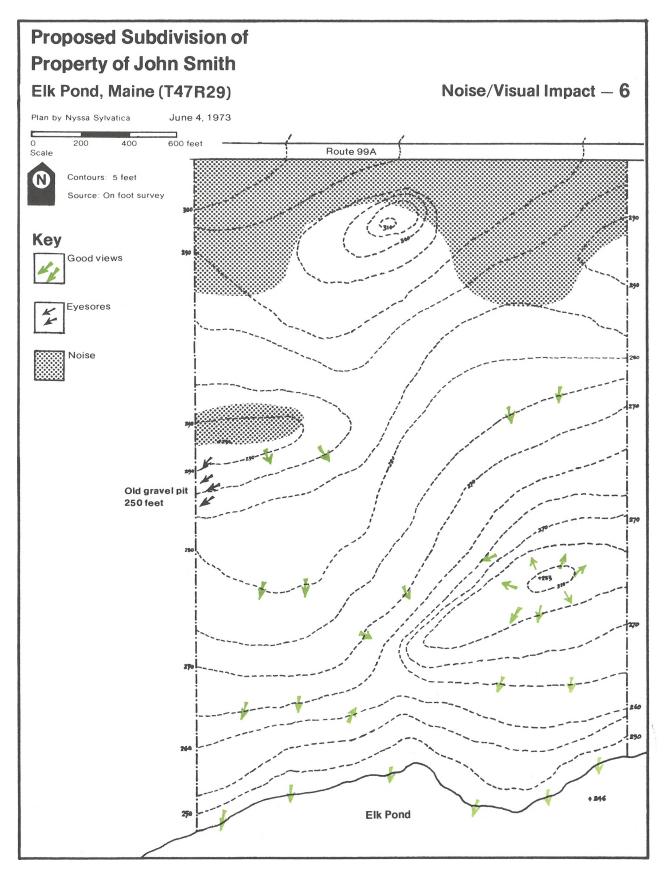
Stripping away vegetation results in a loss of protection from excessive winds, snowdrifts, or too much sun in summer.



Using inappropriate plants from other regions can cause a site to "stick out" from its surroundings. Plant materials from other regions may not be as hardy to Maine's weather as native species, and the plants may die. Moreover, new planting that is done ignoring the lay of the land — even with native species — looks bad.



# Noise/Visual Impact Map



## Noise / Visual Impact Map

#### What to look for:

Natural features that will have a positive effect on the subdivision, such as: Near and distant views of bodies of water and interesting or dramatic landform features.

Natural features that will have a negative effect on the subdivision, such as: Being in the shadow of a neighboring hill or mountain, etc.

Man-made features that will have a positive effect on the subdivision, such as: A view of a nicely clustered, old village, etc.

Man-made features that will have a negative effect on the subdivision, such as: A view of an abandoned gravel pit; a view of a clearcut area; a view of a commercial area/ brightly-lit signs; a view of a carelessly-done subdivision; noise from a highway or industrial operation.

#### How to find it:

On-foot exploration.

Asking area residents.

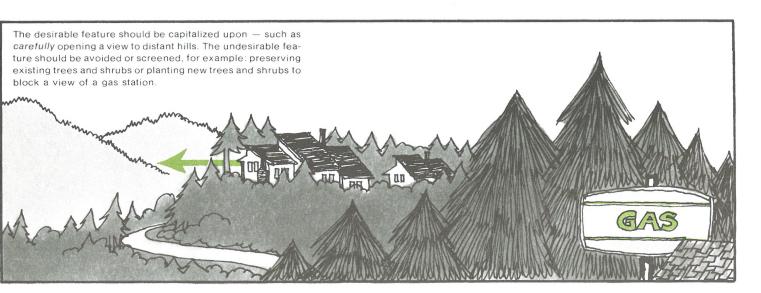
Checking on development plans for the area (i.e., roadway improvement usually leads to further development of an area).

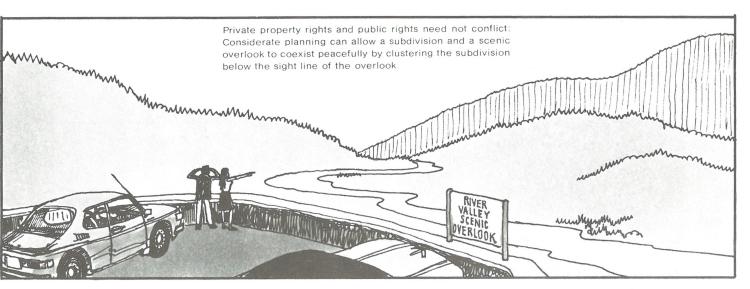
Again, U.S.G.S. maps (United States Geological Survey) are usually outdated as far as manmade changes are concerned.

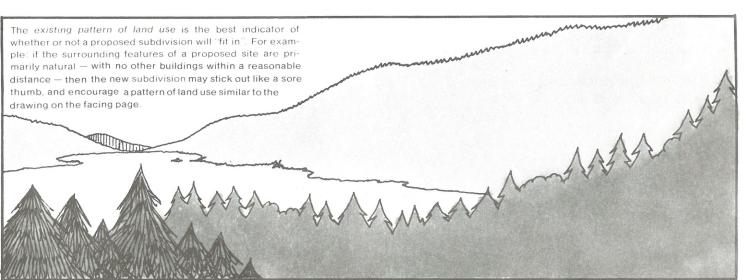
#### Why it is important:

Being aware of the neighboring features of a site — both natural and man-made — can help the subdivider take advantage of those features felt to be pleasant, and to avoid those features felt to be unpleasant.

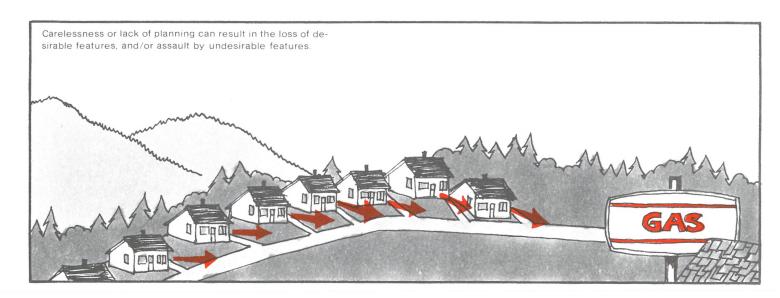
# Considering Surrounding Features (Visual Impact)

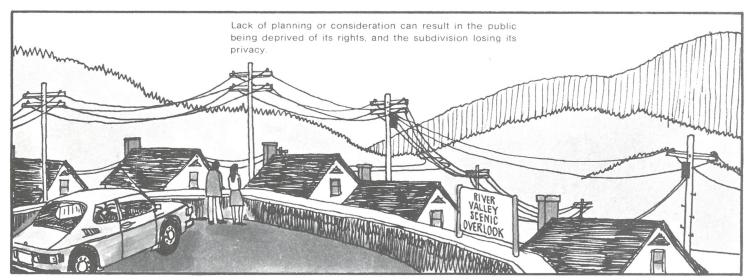


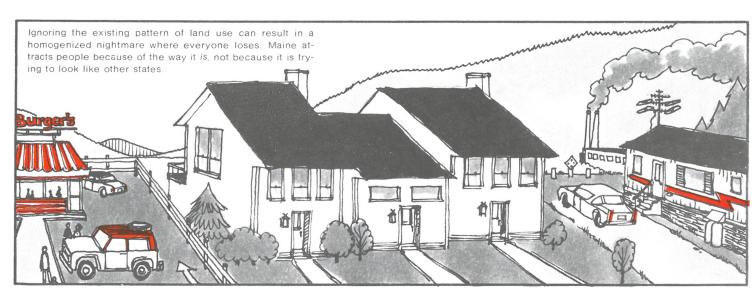




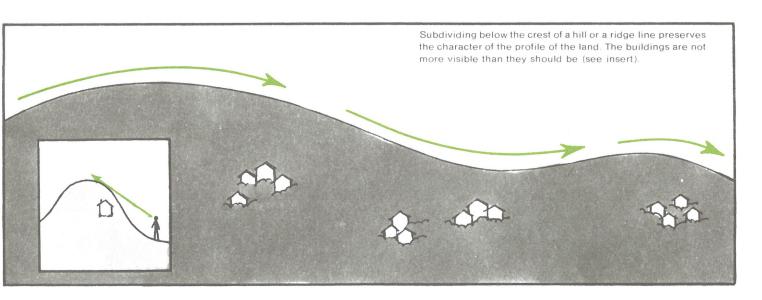
# **Disregarding Surrounding Features (Visual Impact)**

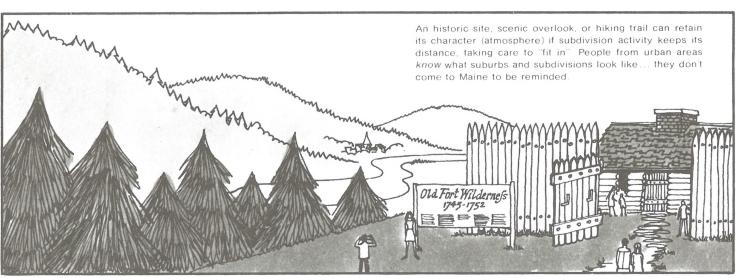


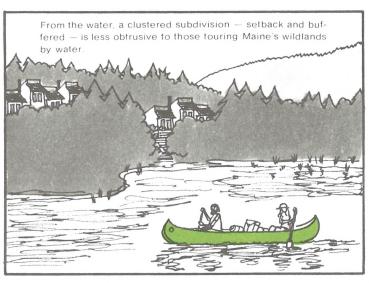


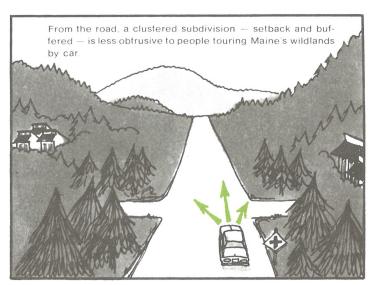


# **Considering What Others See (Visual Impact)**

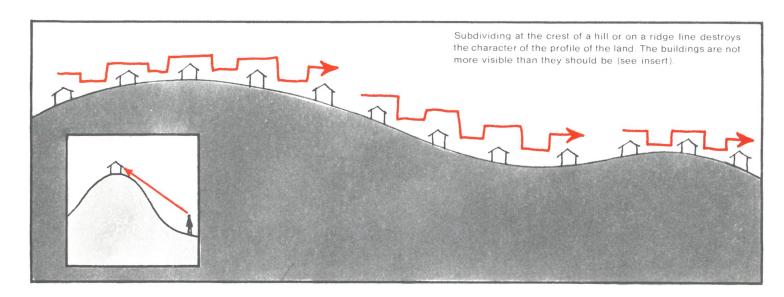


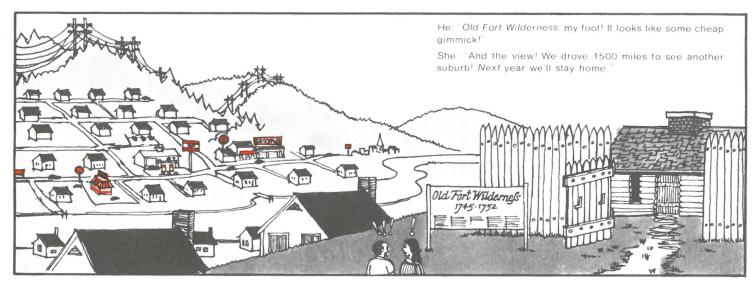


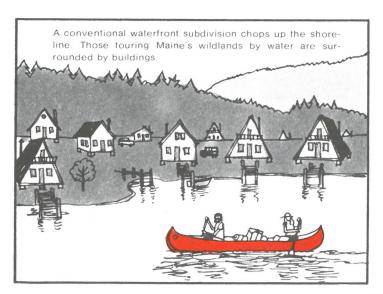


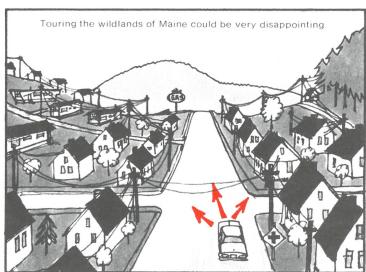


# **Disregarding What Others See (Visual Impact)**

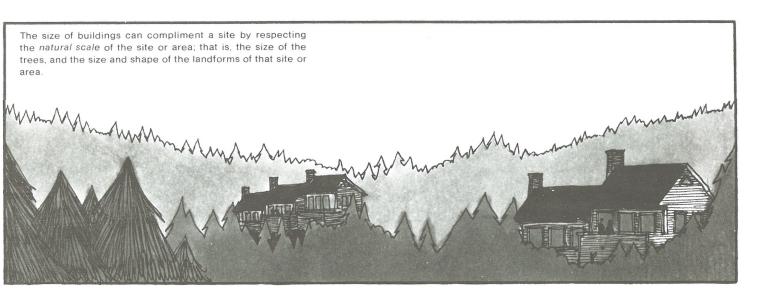


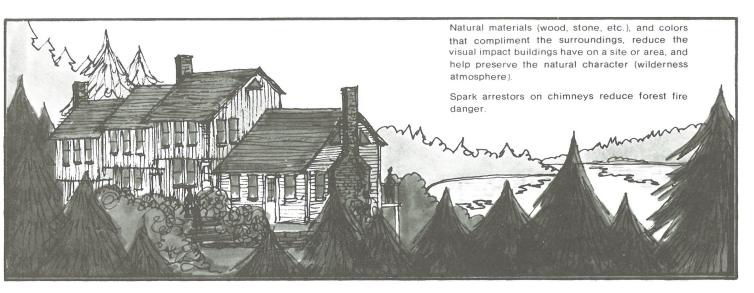


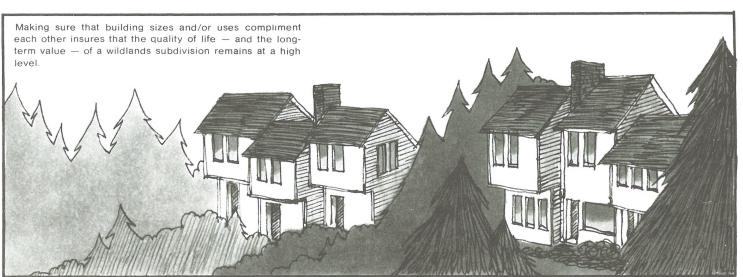




# Considering Buildings and Materials (Visual Impact)



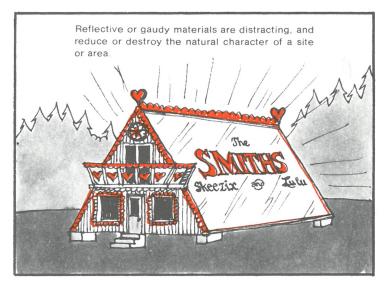


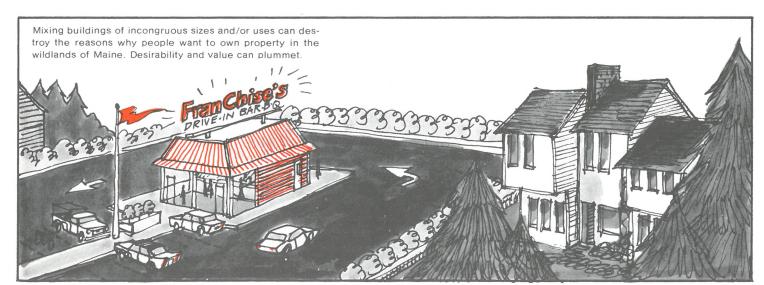


# **Disregarding Buildings and Materials (Visual Impact)**

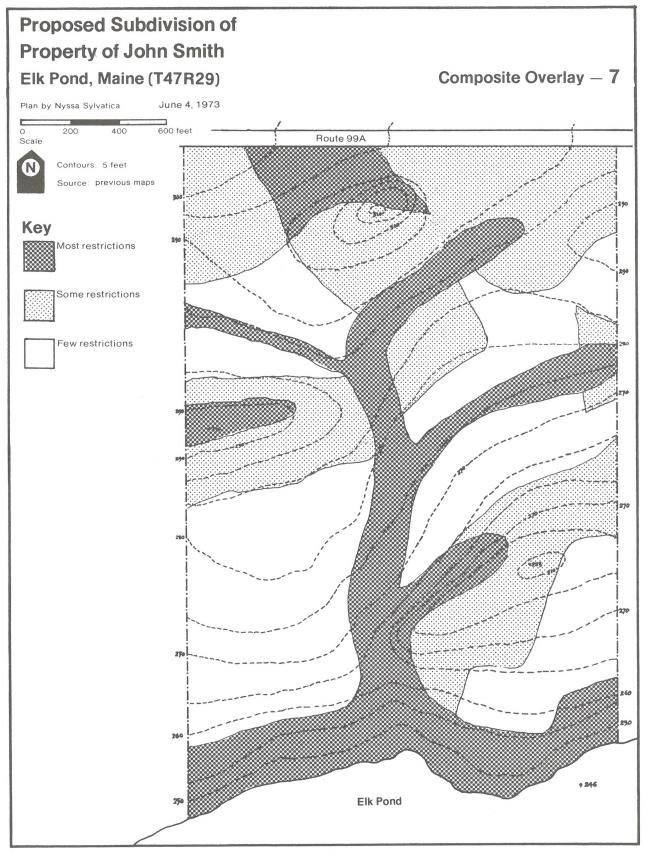








# The Map Overlay - Revealing Opportunities and Constraints



## The Map Overlay - Revealing Opportunities and Constraints

Providing all the prior maps had dark areas meaning restrictions on use of the land, and light areas meaning few or no restrictions on the use of the land, an overlay can be made — a composite of all the base information about the land — which can eliminate a lot of the guesswork involved in getting the subdivision started.

#### Making the Overlay

The water systems (hydrology) map, vegetation map, soils map, and noise/visual impact map are placed over each other, taking care to see that the features of each map overlay one another exactly, as in the first illustration.

The entire bundle is then placed over a strong light source, such as a window, as in the second illustration. Certain areas on the property will show through lighter than other areas. These lighter areas represent those portions of the property which have fewer restrictions on them.

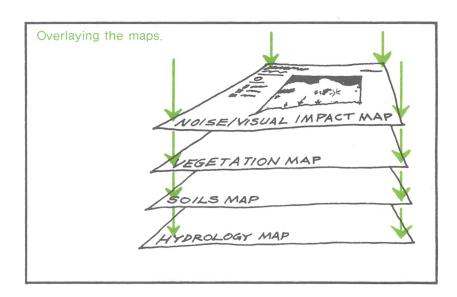
#### Tracing the Information

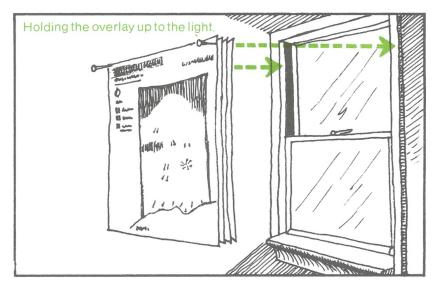
A tracing of the outlines of the light areas is then made. The darker areas are not traced, since they represent areas on the property which will present problems in subdividing or obtaining a permit to subdivide.

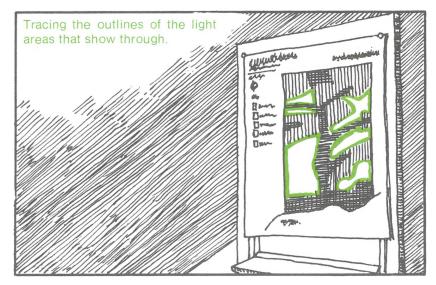
#### The Opportunities Map

This new map, then, represents a *very basic* process of elimination whereby a person may determine the best locations for subdivision activity.

The following pages will concentrate on what other factors should be considered before the final site plan is determined.

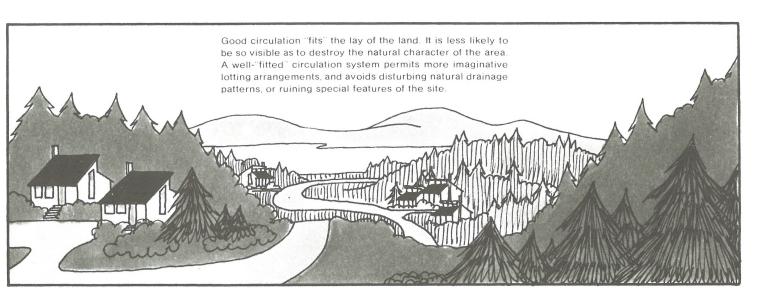


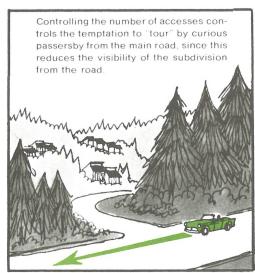


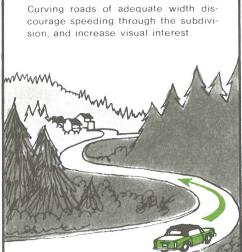


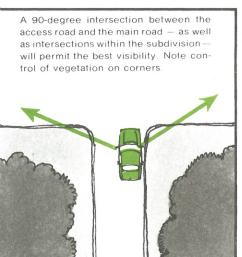
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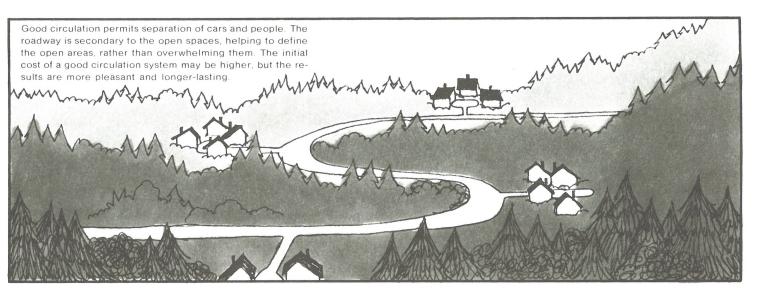
# **Considering Access and Circulation**



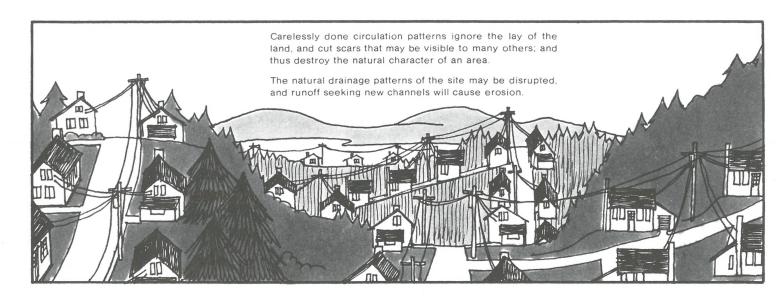


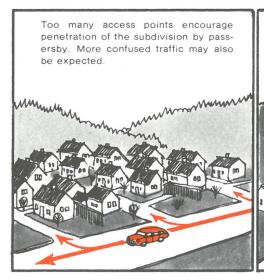


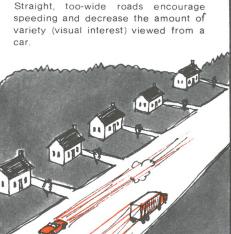


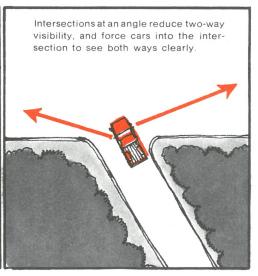


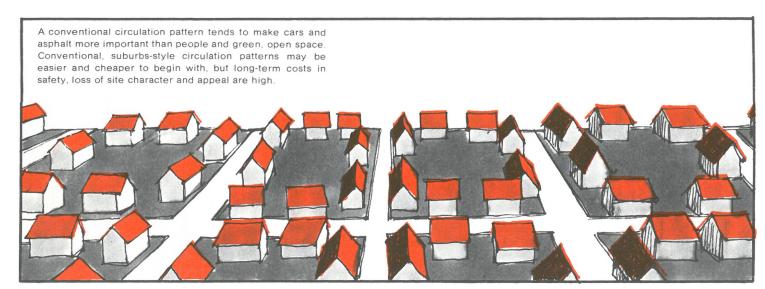
# **Disregarding Access and Circulation**



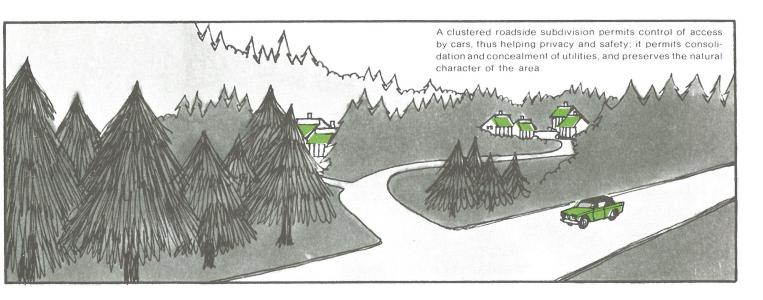


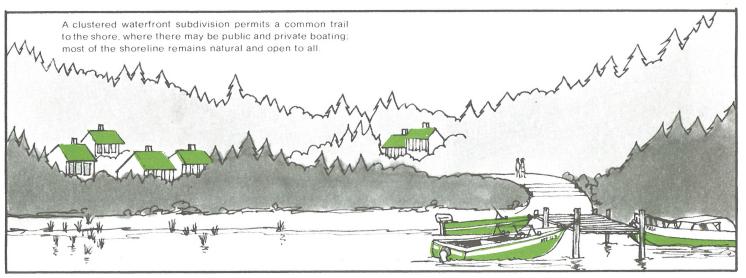


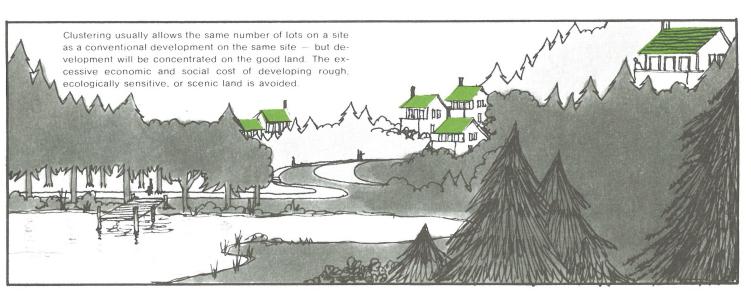




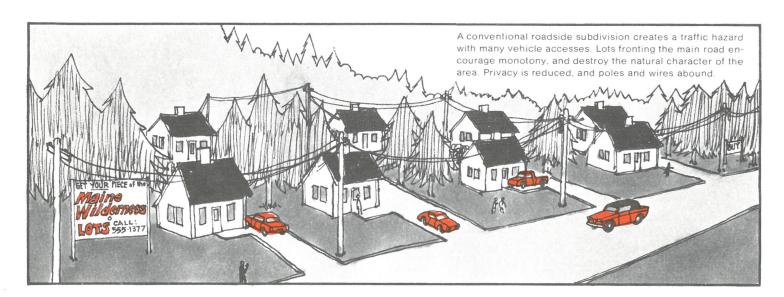
# **Good Lotting Arrangements**

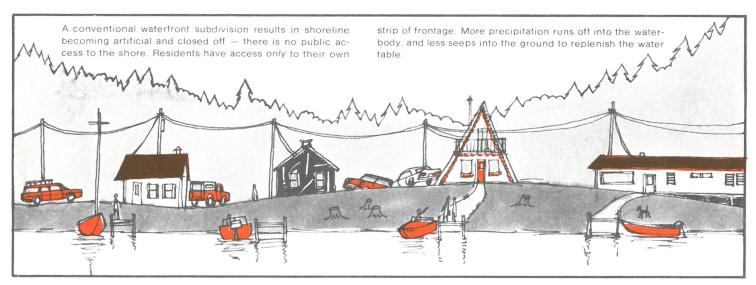


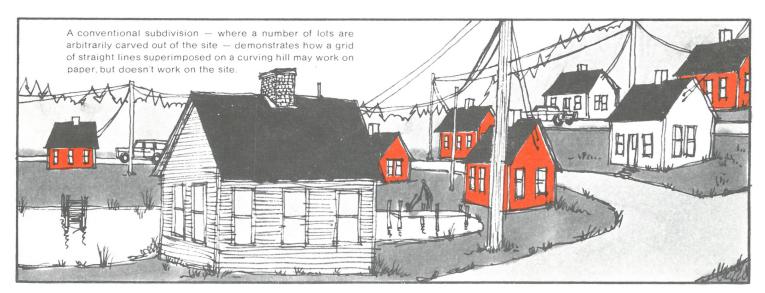




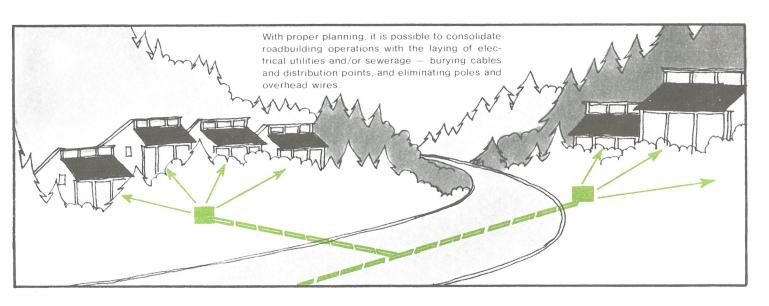
# **Conventional Lotting Arrangements**

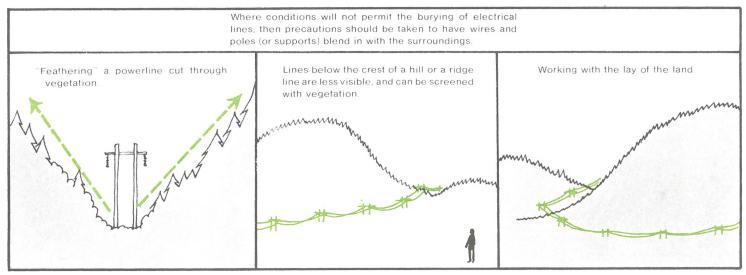


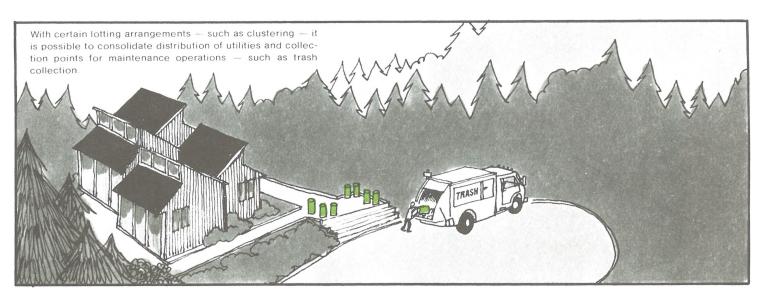




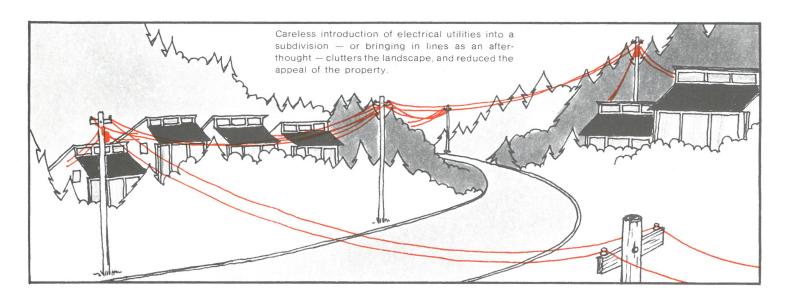
# **Considering the Presence of Utilities**

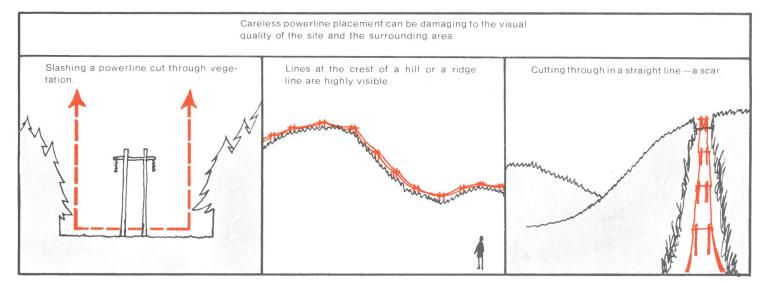


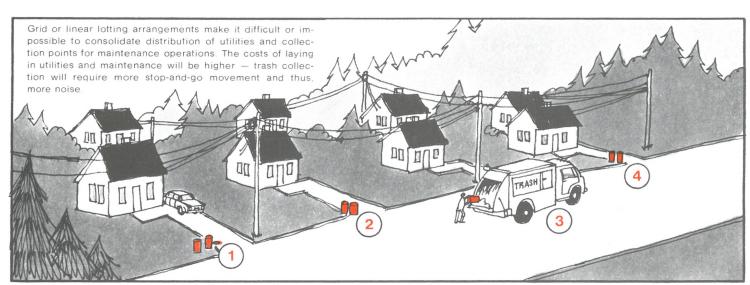




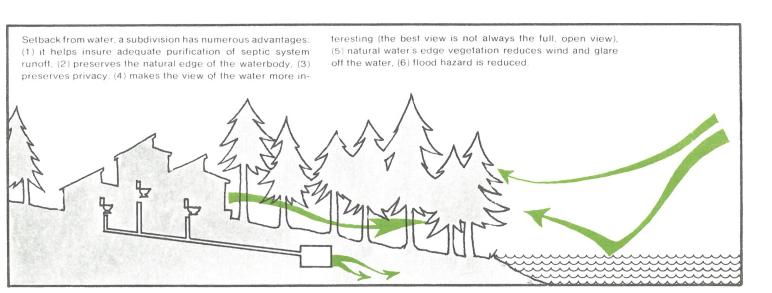
## Disregarding the Presence of Utilities

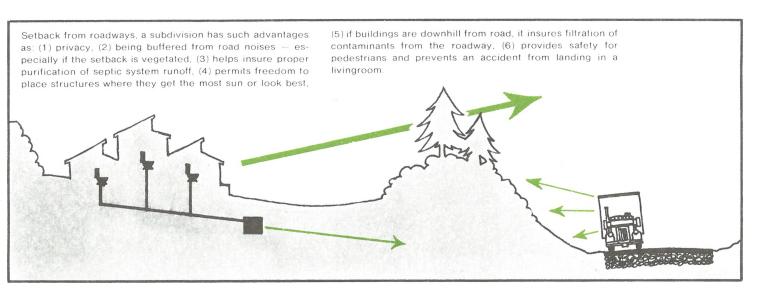


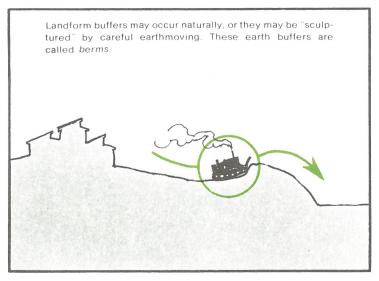


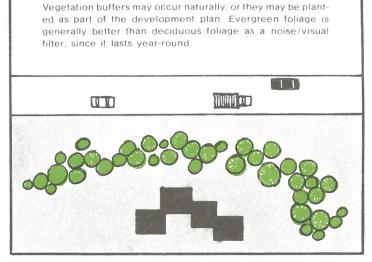


## **Considering Setbacks and Buffers**

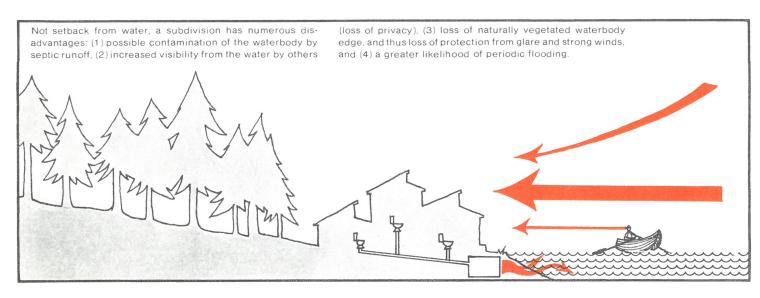


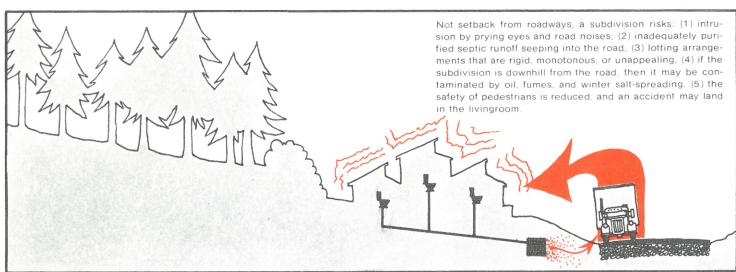




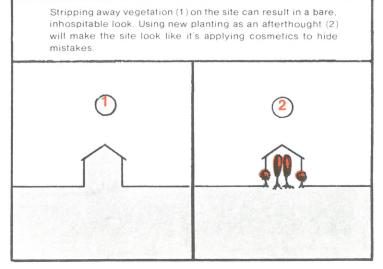


## **Disregarding Setbacks and Buffers**

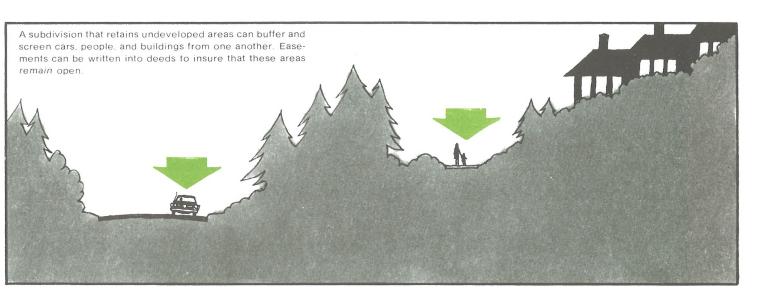


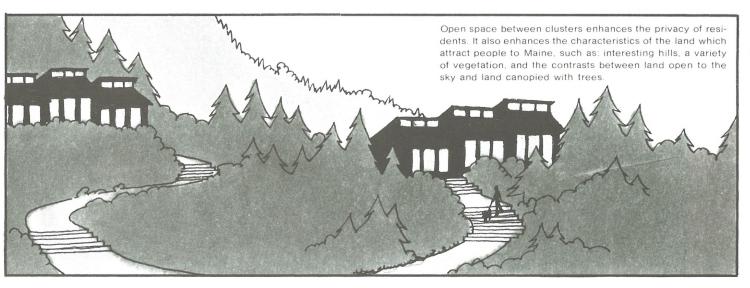


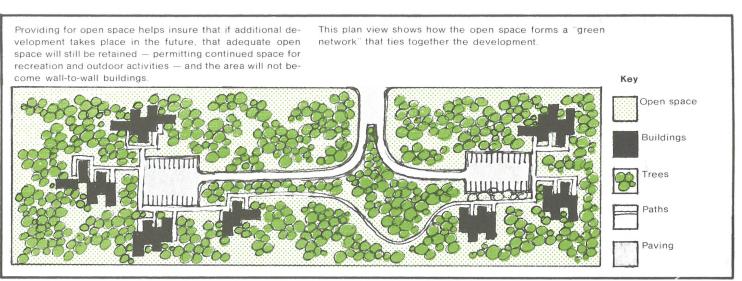
Excessive bulldozing, or bulldozing without planning can destroy naturally occurring landforms, which may have been used as buffers. It will leave problems on the site unresolved, and most likely destroy drainage patterns.



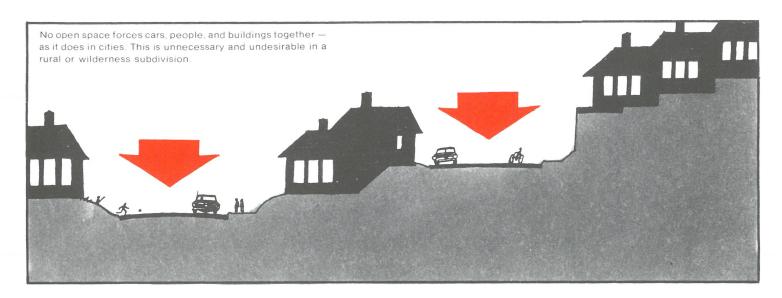
# **Considering Open Space / Common Areas**

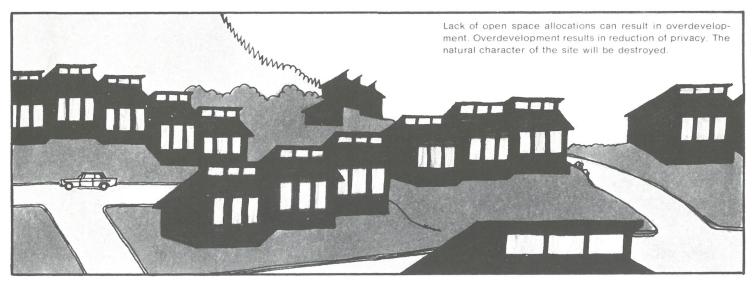


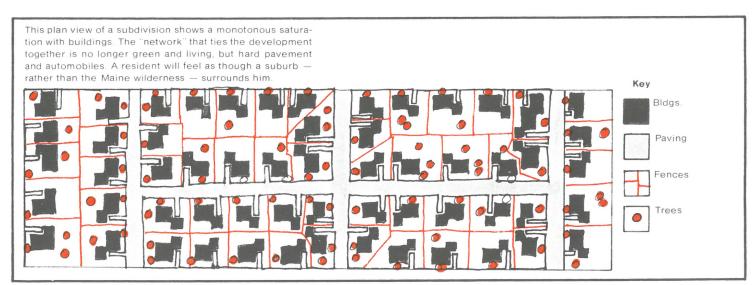




# **Disregarding Open Space / Common Areas**

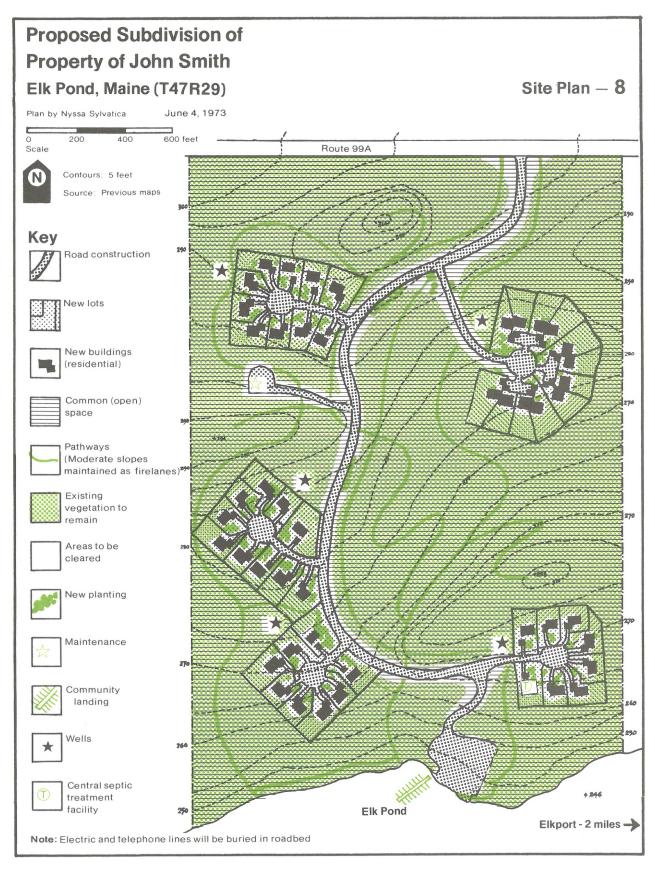






5 The Site Plan

## The Site Plan



### The Site Plan

The site plan should be attempted only after gaining thorough working knowledge of the land, and giving careful consideration to design factors, such as lotting arrangement, access, and setback — as outlined in the preceding pages.

This working knowledge, in addition to pre-filing conferences with the L.U.R.C. staff, can help avoid cause a subdivision permit application to be delayed or rejected.

Using a base map which depicts all of the existing features of the site (see "Preparing Maps"), a typical site plan should indicate all of the changes envisioned, including (but not limited to):

Building locations.

Water source locations (wells, springs, etc.)

Septic systems or septic treatment facility location(s).

Paving and roadbuilding—including bridges and culverts.

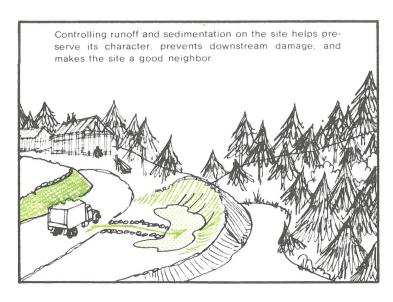
Changes in vegetation, including areas where extensive cutting and/or pruning will occur.

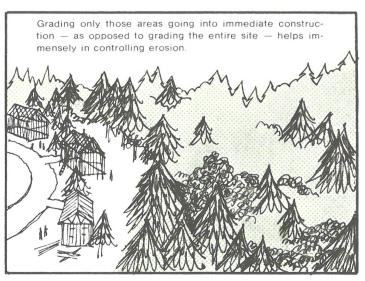
Pathway locations.

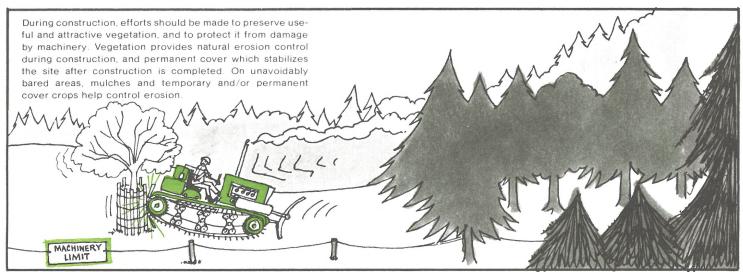
Type of structure(s), foundation(s), and building materials to be used.

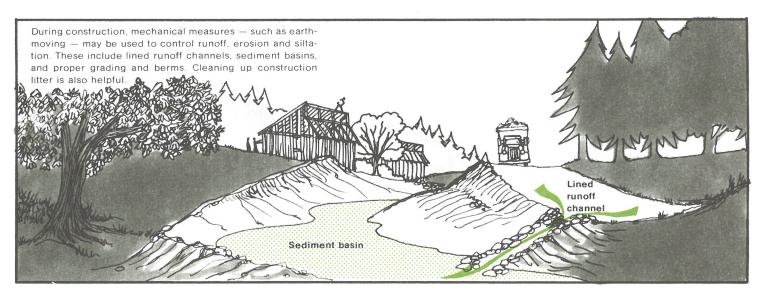
Relationship (distances) between construction activities and neighboring features.

# **Controlling Construction Damage to the Site**

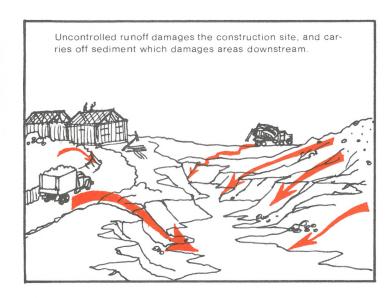


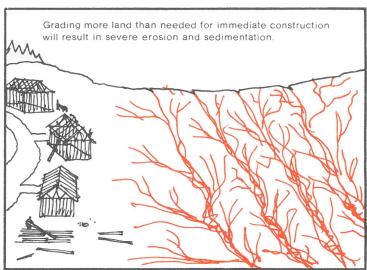




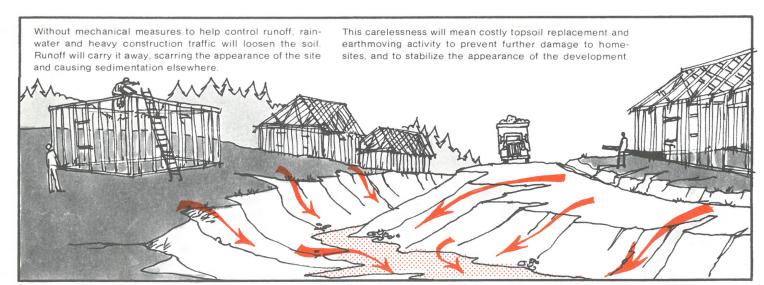


## Careless Construction on the Site







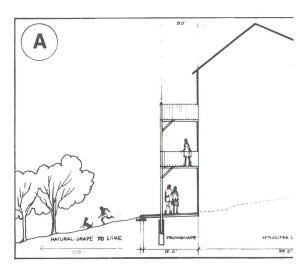


### **Covenants and Controls**

Covenants and controls may be written into purchase agreements or deeds. They may be used to insure that:

- -no further subdivision of the site take place by establishing *minimum lot size*.
- -proper screening and buffering of buildings from roads, waterfront, and each other occur by establishing setback requirements and open space easements.
- -common space is maintained by establishing *maintenance obligations*.
- -access to common space or recreational areas remain open by establishing *easements*.
- -water quality be maintained by establishing sewage and waste water disposal requirements.
- -visual character of the subdivision be maintained by establishing scenic easements and sign lighting controls.
- -site character be maintained by establishing standards of quality and quantity of materials used in the construction and finish of buildings (see pages 40-41).
- -site character and quality be maintained by *limiting* or prohibiting certain land uses such as commercial activity or open burning.
- -fire prevention measures be instituted by requiring spark arrestors on chimneys.
- -if a developer is subject to site development requirements such as a sewage treatment facility before he or she can sell lots or bring in utilities, then lot purchasers can be required to help maintain the facility.

Hence, one can see that covenants and controls are beneficial, since they provide a legally binding means of maintaining the desirable qualities of the subdivision long after the developer has completed construction, and sold the lots.



### Landowner's Associations

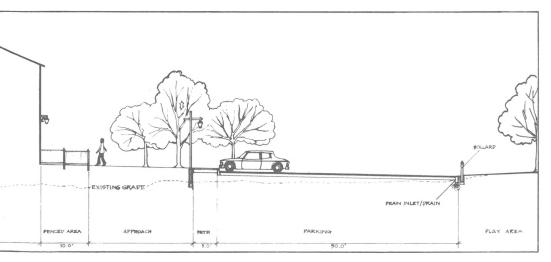
Once covenants and controls are established, a vehicle to administer and enforce them is urged. This vehicle is called a Landowner's Association, and its membership is comprised of residents of the subdivision.

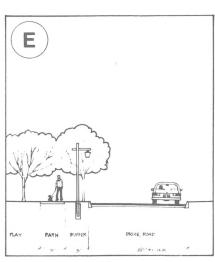
The developer can initiate the formation of a Landowner's Association by writing into the property deeds that the purchaser of a lot maintain membership in the Landowner's Association. The purchaser should be informed that all the owners of lots in the subdivision must maintain membership, as well.

It is preferable that the legal framework of the Landowner's Association be structured so that:

- -the Landowner's Association be incorporated as a non-profit organi ation.
- -the Landowner's Association be empowered not only to administer and enforce the covenants and controls, but to arbitrate disputes which may arise between individuals concerning the covenants and controls, as well.
- -a governing board serving limited terms may be elected from the membership to administer, enforce, and arbitrate the activities and disputes relative to the covenants and controls.
- -additionally, the Landowner's Association should be empowered to assess reasonable dues to administer areas of the subdivision requiring specialized or constant maintenance, such as: picking up litter in the common, open space; pulling out the dock in the fall from the common waterfront area; maintenance of water quality and cleaning of a common swimming pool; trash collection, etc.

The Landowner's Association can serve a further purpose by forming the nucleus for social and public events in the region. It can provide a vehicle for fostering a sense of community responsibility, and thus assist in establishing community stability. In this respect, a Landowner's Association may insure — or at least enhance — property values.





7 More Help

#### More Help

### **Individuals**

## **Agencies**

### Site Planning and Design:

Landscape Architects.

#### Soils:

Civil Engineers.

Local Plumbing Inspectors.

Sanitary Engineers: State and Private.

Soils Scientists: List is available from L.U.R.C. office in Augusta. Soils Scientists are the principal source of specific site information.

#### Water Resources:

Consulting Geologists.

Consulting Hydrologists.

Consulting Sanitary and/or Civil Engineers.

Local Plumbing Inspectors.

#### Timber Management:

Consulting Foresters.

#### Plant Materials:

Landscape Architects.

Nurserymen.

#### Septic Facilities / Plumbing Code:

Agricultural Extension Service, University of Maine

Local Planning Boards.

Maine Department of Health and Welfare: Water Supply Inspector, Health Engineering Department.

Maine Land Use Regulation Commission Staff, Augusta.

Maine Soil and Water Conservation Commission, Augusta and County Seats.

Soil and Water Conservation District Offices (United States Department of Agriculture, Soil Conservation Service); Located in county seats across Maine.

Town Conservation Commissions.

#### Soils:

Agricultural Extension Service, University of Maine.

Local Planning Boards.

Maine Land Use Regulation Commission Staff, Augusta. Maine Soil and Water Conservation Commission District Offices and U.S. Soil and Water Conservation District Offices—usually located in the same office space or building with each other in county seats across Maine. They are the principal sources of soils information.

Town Conservation Commissions.

#### Water Resources:

The agencies listed above under "Soils".

#### Wildlife Habitat:

Maine Department of Inland Fish and Game, Augusta.

#### More Help

## **Books and Pamphlets**

#### All Subjects:

Local libraries.

#### **Construction Practices:**

House and Home, McGraw-Hill (monthly magazine).

Controlling Erosion on Construction Sites, U.S.D.A. Soil Conservation Service, Information Bulletin 347, 1970.

Cluster Development, William H. White; American Conservation Association; New York, New York, 1964.

#### **Great Ponds Act:**

Protecting Your Lake, M. M. Smith, Maine Natural Resources Council, 1973.

#### Septic and Water Resources:

Is Your Water Safe?, prepared by the Division of Sanitary Engineering, Maine Department of Health and Welfare, 1972.

Wastewater Treatment Systems for Rural Communities, S. N. Goldstein and W. J. Moberg; Commission on Rural Water; 221 N. LaSalle St., Chicago, III., 60601 (\$12.50), 1973.

Private Sewage Disposal, Division of Sanitary Engineering, Maine Department of Health and Welfare, 1972.

Private Water Supplies, Division of Sanitary Engineering, Maine Department of Health and Welfare, 1964 (Reprint).

Soil Suitability Guide for Land Use Planning in Maine, U.S.D.A. Soil Conservation Service and U. of Maine (Misc. Pub. 667 - rev.), 1969.

#### Land Use Decision Making:

Soil Surveys in Making Land Use Decisions, Bartelli, Klingbiel, Baird, and Heddleson; Soil Science Society of America / American Society of Agronomy; Washington, D.C., 1966.

Looking at the Vineyard, Kevin Lynch, et al; Vineyard Open Land Foundation; West Tisbury, Massachusetts, 1973.

Making Rural and Urban Land Use Decisions, F. M. Schaller, D. H. Simms, R. L. Hine; Soil Conservation Society of America, 1968.

Site Planning, Kevin Lynch; M.I.T. Press, Cambridge, Mass., 1967.

#### **Utilities:**

Environmental Criteria for Electric Transmission Systems, U.S.-D.I./U.S.D.A.; U.S.G.P.O. #0-446-290, 1971. (Pamphlet/ -Booklet)



# Notes

# Notes





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