

Planting Plan Checklist

Obtain a Land Owner's Access Permit (LAP)

- Provide the Lake Blalock Warden's Office with a copy of the property deed and plat.
- Fill out the appropriate application and obtain the signatures of all those listed on the deed.
- Pay the \$5.00 processing fee.
- The above steps do not apply if you are currently in possession of a valid LAP.

Submit a Tree and Vegetation Application

- Provide a detailed written description of the proposed planting project and impacts on Spartanburg Water property.
- Develop a list of native, noninvasive species using Appendix C or by contacting local experts (contact information is listed in Appendix A). Refer to Appendix B for examples of invasive species to avoid. Factors to consider include the slope, moisture content of the soil, soil fertility and sun exposure (south facing slopes generally receive more sun than north facing slopes).
- Vary the native, noninvasive species to form diverse layers of vegetation within the buffer; no one species should compose more than 25 percent of the total planting list.
- Include the number and gallon size of each plant listed and the number, gallon size and caliper of each tree listed (trees should have a caliper at the base of at least 0.5 inches).
- Create a drawing of the area, indicating the location of each proposed individual plant and/or tree. Use the following recommended spacing: 10-25 feet on-center for trees, 3-6 feet on-center for small-growing shrubs and 5-8 feet on center for large-growing shrubs.
- On the plan intermix proposed trees and shrubs in a random pattern with herbaceous species being used to fill in the spaces between the trees and shrubs.
- Ensure that the drawings and application specify that mulches will be applied around the base of the plantings in accordance with the Lake Blalock Buffer Management Plan.
- Include photographs of the current site conditions.
- Submit the application and all supporting materials to the Lake Blalock Warden's Office.

Steps Following the Tree and Vegetation Application

- Flags will be provided to the applicant to mark the exact location and name of each plant species.
- A Spartanburg Water Warden will perform a site visit to reference locations and gather information for the Approval Committee. The Warden also will be surveying for the existence of *Hexastylis naniflora*, a federally protected plant species that is treated with more stringent requirements as specified in the Lake Blalock Buffer Management Plan.
- The Committee typically approves or denies the request within two (2) weeks and notifies the property owner.

**Native Plants Pre-Approved for SWS-owned Buffer Planting &
Suggested Planting Zone Locations**

Native Plants for the Shoreline Zone Area (continuous inundation)		
Plant Species	Common Name	Vegetation Type
<i>Cephalanthus occidentalis</i>	buttonbush	shrub
<i>Justicia americana</i>	water willow	herb
<i>Nyssa aquatica</i>	water tupelo	tree
<i>Panicum hemitomon</i>	maidencane	grass
<i>Quercus lyrata</i>	overcup oak	tree
<i>Taxodium distichum</i>	bald cypress	tree
Native Plants that can be Seasonally Inundated		
Plant Species	Common Name	Vegetation Type
<i>Acer rubrum</i>	red maple	tree
<i>Alnus serrulata</i>	tag alder	shrub/tree
<i>Betula nigra</i>	river birch	tree
<i>Clethra alnifolia</i>	summersweet	shrub
<i>Cornus amomum</i>	silky dogwood	shrub/tree
<i>Cyrilla racemiflora</i>	titi	shrub
<i>Diospyros virginiana</i>	persimmon	tree
<i>Hibiscus coccineus</i>	scarlet mallow	shrub
<i>Hibiscus lasiocarpus</i>	rose mallow	shrub
<i>Hibiscus militaris</i>	Halberd-leaf mallow	shrub
<i>Hibiscus moscheutos</i>	swamp rose mallow	shrub
<i>Itea virginica</i>	Virginia willow	shrub
<i>Juncus effusus</i>	common rush	grass-like
<i>Panicum hemitomon</i>	maidencane	grass
<i>Panicum virgatum</i>	switchgrass	grass
<i>Salix nigra</i>	black willow	tree
<i>Spartina patens</i>	cordgrass	grass-like
<i>Spartina pectinata</i>	prairie cordgrass	grass-like

**Native Plants Pre-Approved for SWS-owned Buffer Planting &
Suggested Planting Zone Locations**

Native plants for the Splash Zone (moist soil; usually not eroded)		
Plant Species	Common Name	Vegetation Type
<i>Acer leucoderme</i>	chalk maple	tree
<i>Acer negundo</i>	boxelder	tree
<i>Acer rubrum</i>	red maple	tree
<i>Alnus serrulata</i>	tag alder	tree/shrub
<i>Betula nigra</i>	river birch	tree
<i>Cephalanthus occidentalis</i>	buttonbush	shrub
<i>Chamaecyparis thyoides</i>	Atlantic white cedar	tree
<i>Clethra alnifolia</i>	summersweet	shrub
<i>Cornus amomum</i>	silky dogwood	tree/shrub
<i>Diospyros virginiana</i>	persimmon	tree
<i>Eupatorium fistulosum</i>	joe-pye-weed	perennial
<i>Halesia tetraptera</i>	Carolina silverbell	tree/shrub
<i>Helianthus angustifolius</i>	swamp sunflower	perennial
<i>Hibiscus</i> species	native mallows	shrub
<i>Juncus effusus</i>	common rush	grass-like
<i>Myrica cerifera</i>	wax myrtle	shrub
<i>Osmunda cinnamomea</i>	cinnamon fern	fern
<i>Osmunda regalis</i>	royal fern	fern
<i>Panicum hemitomon</i>	maidencane	grass
<i>Panicum virgatum</i>	switchgrass	grass
<i>Platanus occidentalis</i>	American sycamore	tree
<i>Quercus lyrata</i>	overcup oak	tree
<i>Quercus nigra</i>	water oak	tree
<i>Quercus phellos</i>	willow oak	tree
<i>Salix nigra</i>	black willow	tree
<i>Sambucus canadensis</i>	elderberry	shrub
<i>Spartina patens</i>	cordgrass	grass-like
<i>Spartina pectinata</i>	prairie cordgrass	grass-like
<i>Taxodium distichum</i>	bald cypress	tree

**Native Plants Pre-Approved for SWS-owned Buffer Planting &
Suggested Planting Zone Locations**

Native Canopy Trees for Upland Areas (soils not influenced by lake level)		
Plant Species	Common Name	Vegetation Type
<i>Acer barbatum</i>	Southern sugar maple	deciduous canopy tree
<i>Acer rubrum</i>	red maple	deciduous canopy tree
<i>Betula nigra</i>	river birch	deciduous canopy tree
<i>Carya ovata</i>	shagbark hickory	deciduous canopy tree
<i>Fagus grandifolia</i>	American beech	deciduous canopy tree
<i>Fraxinus americana</i>	white ash	deciduous canopy tree
<i>Gordonia lasianthus</i>	loblolly bay	evergreen canopy tree
<i>Ilex opaca</i>	American holly	evergreen canopy tree
<i>Juniperus virginiana</i>	Eastern red cedar	evergreen canopy tree
<i>Liquidambar styraciflua</i>	sweetgum	deciduous canopy tree
<i>Liriodendron tulipifera</i>	tulip poplar	deciduous canopy tree
<i>Magnolia acuminata</i>	cucumbertree	deciduous canopy tree
<i>Magnolia grandiflora</i>	Southern magnolia	evergreen canopy tree
<i>Magnolia virginiana</i>	sweet swampbay	deciduous canopy tree
<i>Nyssa sylvatica var sylvatica</i>	blackgum	deciduous canopy tree
<i>Pinus echinata</i>	shortleaf pine	evergreen canopy tree
<i>Pinus taeda</i>	loblolly pine	evergreen canopy tree
<i>Pinus virginiana</i>	Virginia pine	evergreen canopy tree
<i>Quercus alba</i>	white oak	deciduous canopy tree
<i>Quercus falcata</i>	Southern red oak	deciduous canopy tree
<i>Quercus michauxii</i>	swamp chestnut oak	deciduous canopy tree
<i>Quercus montana</i>	mountain chestnut oak	deciduous canopy tree
<i>Quercus phellos</i>	willow oak	deciduous canopy tree
<i>Quercus shumardii</i>	Shumard red oak	deciduous canopy tree
<i>Quercus stellata</i>	post oak	deciduous canopy tree
<i>Quercus velutina</i>	black oak	deciduous canopy tree
<i>Taxodium distichum</i>	bald cypress	deciduous canopy tree
<i>Tilia americana</i>	basswood	deciduous canopy tree
<i>Tsuga canadensis</i>	Eastern hemlock	evergreen canopy tree

**Native Plants Pre-Approved for SWS-owned Buffer Planting &
Suggested Planting Zone Locations**

Native Understory Plants for Upland Areas (soils not influenced by lake level)		
Plant Species	Common Name	Vegetation Type
<i>Acer leucoderme</i>	chalk maple	tree about 15 feet
<i>Aesculus parviflora</i>	bottlebrush buckeye	shrub less than 15 feet
<i>Aesculus pavia</i>	red buckeye	shrub less than 15 feet
<i>Alnus serrulata</i>	tag alder	tree/shrub about 15 feet
<i>Amelanchier arborea</i>	serviceberry	tree about 15 feet
<i>Aralia spinosa</i>	devil's walkingstick	shrub less than 15 feet
<i>Asimina triloba</i>	pawpaw	tree about 15 feet
<i>Callicarpa americana</i>	American beautyberry	shrub less than 15 feet
<i>Calycanthus floridus</i>	sweetshrub	shrub less than 15 feet
<i>Carpinus caroliniana</i>	musclewood	tree about 15 feet
<i>Cercis canadensis</i>	redbud	tree about 15 feet
<i>Chionanthus virginicus</i>	fringetree	tree about 15 feet
<i>Clethra alnifolia</i>	summersweet	shrub less than 15 feet
<i>Cornus florida</i>	flowering dogwood	tree about 15 feet
<i>Crataegus marshallii</i>	parsley hawthorn	tree/shrub about 15 feet
<i>Diospyros virginiana</i>	persimmon	tree about 15 feet
<i>Euonymus americanus</i>	strawberrybush	shrub less than 15 feet
<i>Fothergilla major</i>	fothergilla	shrub less than 15 feet
<i>Gaylussacia dumosa</i>	dwarf huckleberry	low shrubs less than 5 feet
<i>Halesia diptera</i>	two-winged silverbell	tree about 15 feet
<i>Hamamelis virginiana</i>	witchhazel	shrub about 15 feet
<i>Hydrangea arborescens</i>	wild hydrangea	low shrubs less than 5 feet
<i>Hydrangea quercifolia</i>	oakleaf hydrangea	shrub less than 15 feet
<i>Hypericum</i> species	St. John's-wort	low shrubs less than 5 feet
<i>Ilex decidua</i>	possumhaw	shrub about 15 feet
<i>Ilex vomitoria</i>	Yaupon holly	shrub about 15 feet
<i>Illicium floridanum</i>	Florida anise	shrub about 15 feet
<i>Itea virginica</i>	Virginia willow	low shrubs less than 5 feet
<i>Kalmia latifolia</i>	mountain laurel	shrub less than 15 feet
<i>Leucothoe axillaris</i>	dog-hobble	low shrubs less than 5 feet
<i>Lindera benzoin</i>	spicebush	shrub less than 15 feet
<i>Myrica cerifera</i>	wax myrtle	shrub about 15 feet
<i>Osmanthus americana</i>	wild olive (devilwood)	shrub about 15 feet
<i>Ostrya virginiana</i>	ironwood	tree about 15 feet
<i>Oxydendrum arboreum</i>	sourwood	tree about 15 feet

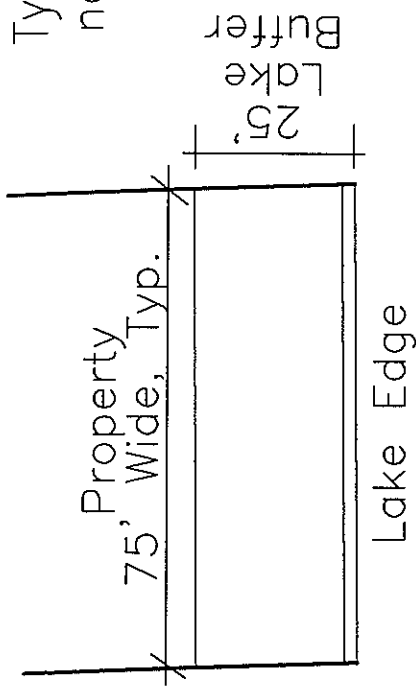
**Native Plants Pre-Approved for SWS-owned Buffer Planting &
Suggested Planting Zone Locations**

Native Understory Plants for Upland Areas (soils not influenced by lake level)		
Plant Species	Common Name	Vegetation Type
<i>Persea borbonia</i>	red bay	tree about 15 feet
<i>Rhododendron austrinum</i>	yellow azalea	shrub less than 15 feet
<i>Rhododendron bakeri</i>	Baker's azalea	shrub less than 15 feet
<i>Rhododendron calendulaceum</i>	flame azalea	shrub less than 15 feet
<i>Rhododendron canescens</i>	Piedmont azalea	shrub less than 15 feet
<i>Rhododendron flammeum</i>	Oconee azalea	shrub less than 15 feet
<i>Rhododendron maximum</i>	rosebay rhododendron	shrub less than 15 feet
<i>Rhododendron minus</i>	dwarf rhododendron	low shrubs less than 5 feet
<i>Rhododendron prunifolium</i>	plumleaf azalea	shrub less than 15 feet
<i>Rhododendron viscosum</i>	swamp azalea	shrub less than 15 feet
<i>Rhus copallina</i>	winged sumac	shrub about 15 feet
<i>Sassafras albidum</i>	sassafras	tree/shrub about 15 feet
<i>Styrax americana</i>	American snowbell	shrub less than 15 feet
<i>Symplocos tinctoria</i>	horsesugar	tree about 15 feet
<i>Vaccinium arboreum</i>	sparkleberry	shrub about 15 feet
<i>Vaccinium stamineum</i>	deerberry	shrub less than 15 feet
<i>Viburnum acerifolium</i>	mapleleaf viburnum	low shrubs less than 5 feet
<i>Viburnum dentatum</i>	arrowwood	shrub less than 15 feet
Native Grasses for Upland Areas		
Plant Species	Common Name	Vegetation Type
<i>Andropogon gerardii</i>	big bluestem	native grass
<i>Andropogon virginicus</i>	broomsedge	native grass
<i>Chasmanthium latifolium</i>	river oats	native grass
<i>Muhlenbergia capillaries</i>	pink muhly	native grass
<i>Panicum clandestinum</i>	deertongue grass	native grass
<i>Panicum virgatum</i>	switchgrass	native grass
<i>Saccharum contortus</i>	plumegrass	native grass
<i>Schizachyrium scoparium</i>	little bluestem	native grass
<i>Sorghastrum nutans</i>	Indian grass	native grass
<i>Tridens flavus</i>	purpletop	native grass

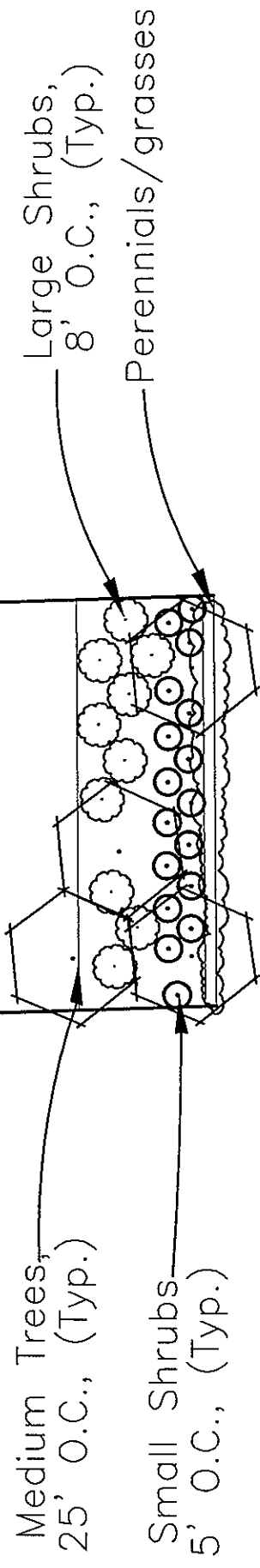
**Native Plants Pre-Approved for SWS-owned Buffer Planting &
Suggested Planting Zone Locations**

Miscellaneous Perennials, Ferns & Vines		
Plant Species	Common Name	Vegetation Type
<i>Asclepias tuberosa</i>	butterfly weed	perennial
<i>Athyrium filix-femina</i>	Southern lady fern	fern
<i>Dryopteris marginalis</i>	marginal shield fern	fern
<i>Echinacea pallida</i>	pale cone flower	perennial
<i>Echinacea purpurea</i>	purple cone flower	perennial
<i>Eupatorium coelestinum</i> or <i>Conoclinium coelestinum</i>	wild ageratum, mistflower	perennial
<i>Galax urceolata</i>	beetleweed	perennial
<i>Gelsemium sempervirens</i>	yellow jasmine	vine
<i>Iris cristata</i>	crested dwarf iris	perennial
<i>Iris verna</i>	dwarf iris	perennial
<i>Liatris</i> species	blazing stars	perennial
<i>Lonicera sempervirens</i>	coral honeysuckle	vine
<i>Mondarda fistulosa</i>	beebalm, wild bergamont	perennial
<i>Phlox divaricata</i>	blue phlox	perennial
<i>Polystichum acrostichoides</i>	Christmas fern	fern
<i>Rudbeckia fulgida</i>	orange rudbeckia, perennial black-eyed Susan	perennial
<i>Rudbeckia hirta</i>	black-eyed Susan	perennial
<i>Solidago</i> species	goldenrod	perennial
<i>Thelypteris kunthii</i>	normal shield fern	fern

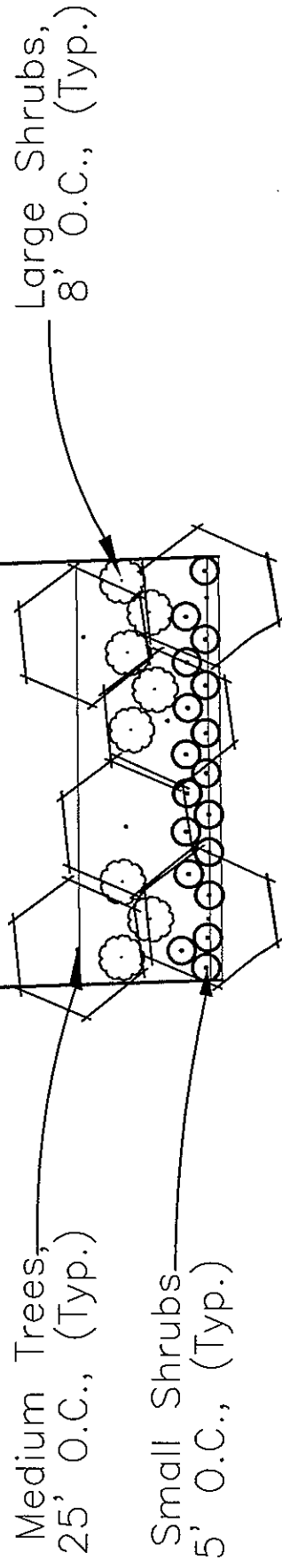
Typical Existing Lot w/
no trees



Planting Concept 1

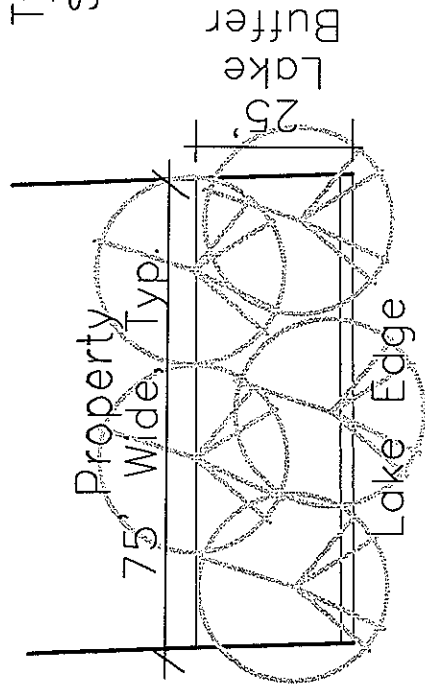


Planting Concept 2

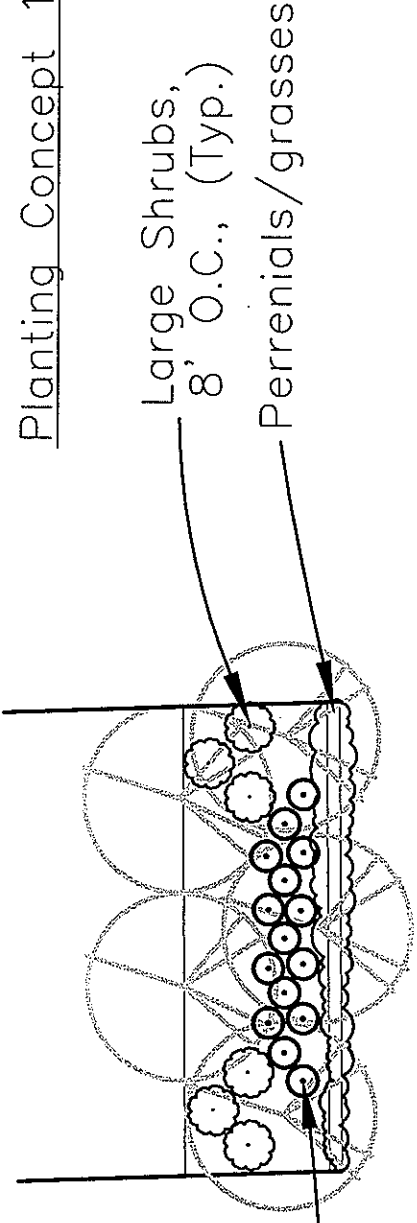


BUFFER PLANTING CONCEPT A NOT TO SCALE

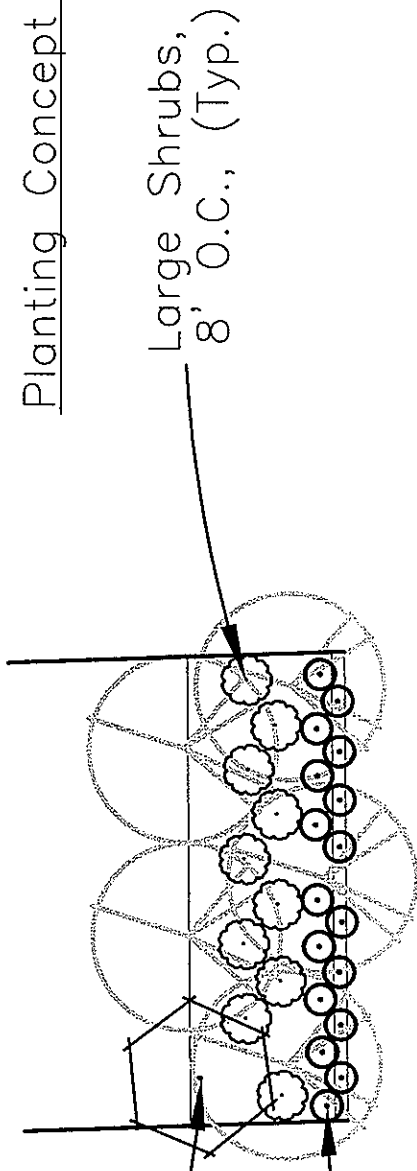
Typical Existing Lot w/
several trees



Planting Concept 1

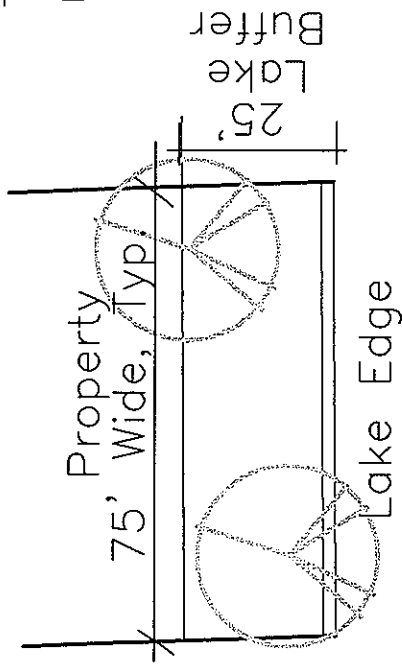


Planting Concept 2



BUFFER PLANTING CONCEPT B NOT TO SCALE

Typical Existing Lot w/
minimal trees

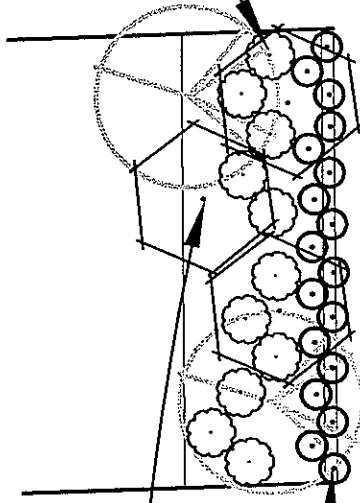


Planting Concept 1

Medium Trees,
25' O.C., (Typ.)

Small Shrubs
5' O.C., (Typ.)

Large Shrubs,
8' O.C., (Typ.)



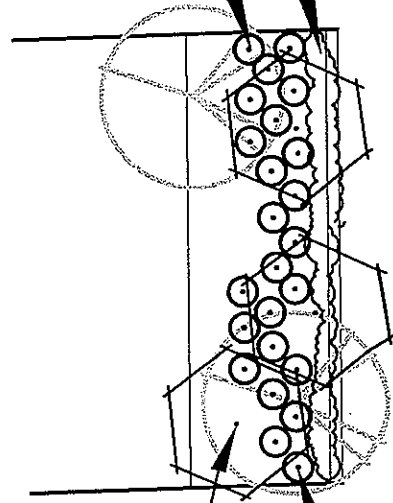
Planting Concept 2

Medium Trees,
25' O.C., (Typ.)

Small Shrubs
5' O.C., (Typ.)

Large Shrubs,
8' O.C., (Typ.)

Perennials/grasses



BUFFER PLANTING CONCEPT C NOT TO SCALE