

Design Criteria for Type A Buffer

Length of property line to be buffered =	1567'
Number of trees required @ 20' minimum spacing (1567/20')= 78.35=	79 trees
Proposed number of trees =	140
Minimum exceeded by 77% (140 prop/79req'd)	
Proposed Evergreen trees=	92
Proportion of evergreen trees proposed 66% (92prop/140total)	
Proposed Deciduous trees=	48
Proportion of deciduous trees proposed 34% (48prop/140 total)	
Number of shrubs req'd @ 5' minimum spacing (1567/5') = 313.4=	314 shrubs
Proposed number of shrubs =	328
Minimum exceeded by 4.4% (328prop/314 req'd)	

Evergreen Trees

Code	Botanical Name	Installed size min.	Qty Shown
MG	Magnolia grandiflora	15/20gallon/6-7'	23
CA	Cedrus atlantica	15/20g/6-7'	17
MV	Magnolia virginiana	15/20g/6-7'	21
CJ	Cryptomeria japonica	15/20g/6-7'	31

Deciduous Trees

Code	Botanical Name	Installed size min.	Qty. Shown
CC	Cercis Canadensis	2" caliper	17
LN	Lagerstromia x 'Natchez'	2" cal.	10
BN	Betula nigra	2" cal.	21

Tree total = 140 proposed trees

Note: A tree survey taken January 20, 2012 found 203 existing deciduous trees >4" caliper in the proposed 20' buffer zone. These trees shall remain after development. The landscape installation shall be adjusted to accommodate these trees.

Length of Property line to be buffered = 1567

Number of existing deciduous trees > 4" to remain = ~203

Approximate average spacing of existing deciduous trees in buffer proposed = 7.7

Evergreen Shrubs

Note: Many species listed below require spacing greater than 5.0' o.c. to be properly maintained. Example- 10' eventual size should not be planted in a 5' space. Crowded plants are more prone to disease as a result of improper pruning to maintain an unnatural size. Planting large species too closely eventually results in an unsightly & cluttered appearance, therefore acting against the intent of the Design Guidelines.

Code	Botanical Name	Installed size min.	Qty. shown
AG	Abelia x grandiflora	5 gallon/ 24"hg.	156
VC	Viburnum x 'Canoy'	5g/24"hg.	36
MC	Myrica cerifera	7g/24"hg.	9
IG	Ilex glabra	5g/24"hg.	84
IP	Illicium parviflorum	7g/24"hg.	43

Shrub total = 328 proposed shrubs

Note: Installer to follow American Association of Nurseryman Guidelines for tree and shrub installation best practices.

Note: All plants to have 3" minimum mulch depth for a radius equal to ½ the plant height.

Note: All new plant beds & disturbed soil in buffer areas to be mulched to control erosion.

GROWING WILD DESIGN Landscape Architecture

To Those Concerned: Jan. 20, 2012

The attached landscape plan has been thoroughly reviewed and has been found to meet or exceed the Chatham County Design Guidelines for conformance to the Type A buffer characteristics.

The site conditions are typical of those found in the North Carolina Piedmont- existing mixed deciduous and pine forest growing upon red clay soils. The site under consideration is currently wooded with the growth estimated to be approximately 40-50 years old. The topography is gently rolling. The existing stem density is moderate.

The developer, Mr. Warren Mitchell, has taken into consideration many of the site conditions in developing his landscape plan. The plant material is all considered hardy to very hardy by the landscape contracting industry and I have found the same to be true in my 25+ years of experience. The plants specified should not require undue care or watering past the critical planting season. The plants are located in their proper sun/shade conditions, and are well suited to the existing soils. The arrangement of the plantings should more than satisfy the requirements of the design guidelines concerning transparency or lack thereof. The plant quantities meet or exceed the minimum requirements of the CDDG. The proposed size of the material at installation should more than satisfy the guideline minimums required as specified by the American Association of Nurserymen for noted container size & height.

Notable also is the developers desire to retain in the 20' buffer the existing deciduous trees that include species such as maple, oak, sourwood, dogwood, & redbud.

After careful consideration the developer has elected to remove from the buffer zone the existing pine trees. After site development, pine trees of this age are commonly found to fall over after storm events and possibly damage property in that process. Unfortunately pine trees of this type lend little to the aesthetic requirements of the Design Guidelines and amount to little more than a group of utility poles, visually speaking.

It is this author's professional opinion that the attached landscape buffer plan meets the intent of the Chatham County Design Guidelines and will harmonize well with the surrounding environment.

Best Regards,

Paul B. O'Connor

Professional Landscape Architect

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REVISIONS

IRONCLAD SELF STORAGE

Chatham County, North Carolina

Landscape Details

January 23, 2012

Scale: nts

Drawn By: WDM

C5