



Required Trees:	Perimeter	Internal	Total
Existing:	8	8	16
New Planted:	33	7	40
Total:	41	15	56
Tree Presrv. Fee:			
Tree Planting Fee:			
Total:			

Milestones Area: 43

CHARLOTTE URBAN FORESTRY - TREE PLANTING AND PRESERVATION REQUIREMENTS

PLANT MATERIAL

1. MINIMUM TREE SIZE AT PLANTING IS 2" CALIPER AND 8' TALL FOR SINGLE-STEM TREES. ALL MULTI-STEM PLANTS MUST BE TREE FORM. MAXIMUM 3 TO 5 TRUNKS, AND MINIMUM 10' TALL, WHERE 3" SINGLE-STEM CALIPER TREES ARE SPECIFIED/REQUIRED THE MINIMUM HEIGHT SHALL BE 10' TALL. IF MULTI-STEM TREES ARE SPECIFIED THEN THEY SHALL BE A MINIMUM OF 12' TALL.
2. ALL NEW TREES MUST HAVE STRAIGHT TRUNKS WITH STRONG CENTRAL LEADERS INTACT TO THE TOP OF THE CROWN UNLESS MULTI-STEM TREES ARE SPECIFIED. ALL REQUIRED TREES SHALL BE TYPICAL OF THEIR SPECIES AND VARIETY. HAVE NORMAL GROWTH HABITS, HAVE WELL-DEVELOPED BRANCHES, BE VIGOROUS AND HAVE FIBROUS ROOT SYSTEMS. TREES WITH CO-DOMINANT BRANCHING WILL NOT BE ACCEPTED. TREES THAT HAVE BEEN SHEARED, TOPPED OR CUT BACK TO MULTIPLY THE BRANCHING STRUCTURE WILL NOT BE ACCEPTED. TREES SHALL BE FREE OF ABRASIONS, DAMAGE, DISEASE, PESTS AND CRACKS. ALL PRUNING CUTS GREATER THAN 1/4 INCH DIAMETER SHALL HAVE CALLUS TISSUE FORMED PRIOR TO PLANTING. NO PRUNING CUT ON THE TRUNK SHALL BE MORE THAN ONE-HALF THE DIAMETER OF THE CENTRAL LEADER AT THE HEIGHT WHERE THE CUT WAS MADE. ROOT FLARES SHALL BE LOCATED AT GRADE. TREES WITH MORE THAN 2" OF SOIL COVERING THE ROOT BALL/FLARE FROM WILL NOT BE ACCEPTED (CLDS.40.09).
3. SIZE OF REQUIRED PLANTS, SPREAD OF ROOTS AND SIZE OF BALLS SHALL BE IN ACCORDANCE WITH ANSI Z60.1 (LATEST EDITION) AS PUBLISHED BY THE AMERICAN NURSERY & LANDSCAPE ASSOCIATION, EXCEPT WHERE SPECIFIED/AUTHORIZED BY URBAN FORESTRY.
4. ALL REQUIRED TREES OF A PARTICULAR SPECIES AND VARIETY SHALL BE UNIFORM IN SIZE AND CONFIGURATION.
5. PERIMETER TREES IN URBAN ZONES SHALL BE 3" IN CALIPER AND BE FREE OF BRANCHES UP TO 6' FROM THE TOP OF THE BALL.
6. A MINIMUM OF 50% OF NEW TREES MUST BE NATIVE SPECIES, AND SITES WITH MORE THAN 20 TREES REQUIRED WILL HAVE TO INSTALL MULTIPLE (3 OR MORE) SPECIES PURSUANT TO THE TREE ORDINANCE GUIDELINES.
7. 75% OF REQUIRED TREES MUST BE LARGE MATURE SPECIES EXCEPT IN SITUATIONS WITH OVERHEAD POWER LINE CONFLICTS.

PLANTING REQUIREMENTS

1. SEE CLDS 40.01 (ON PLAN) FOR DETAILED TREE PLANTING REQUIREMENTS.
2. PLASTIC HOSE PARTS WILL NOT BE ACCEPTED FOR TREE STAKING. SEE CLDS 40.01 FOR APPROVED STAKING METHOD/MATERIALS.
3. ALL STRAPPING, AND TOP 1/3 OF WIRE BASKET AND BURLAP MUST BE CUT AWAY AND REMOVED FROM ROOT BALL WHEN PLANTING.
4. FOR NEW PLANTING AREAS, REMOVE ALL PAVEMENT, GRAVEL SUB-BASE AND CONSTRUCTION DEBRIS; REMOVE COMPACTED SOIL AND ADD 24" NEW TOPSOIL, OR TILL AND AMEND THE TOP 24" OF EXISTING SOIL TO MEET TOPSOIL/PLANTING MIX STANDARDS FOR TREES (WITHIN ENTIRE MINIMUM AREA OF 274 SQUARE FEET PER LARGE MATURE TREE AND 200 SQUARE FEET PER SMALL MATURE TREE).
5. REVIEW SOIL REQUIREMENTS IN THE TREE ORDINANCE GUIDELINES AT: [HTTP://LANDPERMITS.CHARMECK.ORG](http://LANDPERMITS.CHARMECK.ORG) THEN CLICK TREES.

UTILITY ISSUES

1. LARGE MATURING TREES MAY NOT BE PLANTED WITHIN 25' OF OVERHEAD POWER DISTRIBUTION OR TRANSMISSION LINES. IF TREES CONFLICT WITH POWER LINES OR SIGNS, CALL URBAN FORESTRY TO RESOLVE BEFORE PLANTING.
2. ADJUST TREE PLANTING LOCATIONS TO AVOID UNDERGROUND UTILITIES. PLANT 15' FROM ALL UNDERGROUND UTILITIES.
3. NO LIGHT POLES, UTILITY POLES OR TRANSFORMERS CAN BE INSTALLED IN TREE ISLANDS.
4. COMMERCIAL SCALE LIGHTING (> 15' IN HEIGHT) MUST BE A MINIMUM DISTANCE OF 30' FROM A TREE. PEDESTRIAN SCALE LIGHTING (< 15' IN HEIGHT) MUST BE A MINIMUM DISTANCE OF 15' FROM A TREE. SHOW SITE LIGHTING ON LANDSCAPE PLAN.

TREE SAVE AND PRESERVATION

1. TREE PROTECTION MUST BE INSTALLED AND VERIFIED BY URBAN FORESTRY PRIOR TO STARTING ANY CONSTRUCTION ACTIVITY.
2. SHOW TREE PROTECTION AND TREES SAVE AREAS ON EROSION CONTROL, GRADING AND LANDSCAPE PLAN SHEETS.
3. COMMERCIAL TREE SAVE AREAS MUST BE RECORDED ON A FINAL PLAT WITH THE MECKLENBURG COUNTY REGISTER OF DEEDS BEFORE URBAN FORESTRY HOLDS CAN BE RELEASED. A 10' NO BUILD ZONE AROUND TREE SAVE AREAS MUST BE REFERENCED ON THE PLAT.
4. TREE SAVE AREAS SHALL BE FREE OF INVASIVE PLANT SPECIES. IF AN AREA PROPOSED FOR TREE SAVE CONTAINS INVASIVE PLANT SPECIES AT TIME OF PROPOSAL, SUCH INVASIVE PLANT SPECIES SHALL BE REMOVED PRIOR TO FINAL CO.
5. THE AREA OF ANY EASEMENTS (WATER, SEWER, UTILITY, ETC.) CAN NOT BE COUNTED TOWARD THE TREE SAVE REQUIREMENT.
6. ANY ALTERATIONS TO TREE SAVE AREAS MUST BE ACCOMPLISHED WITHOUT MECHANIZED EQUIPMENT.
7. NO STRUCTURE WILL BE ALLOWED WITHIN 10' OF TREE SAVE AREAS UNLESS APPROVED BY URBAN FORESTRY.
8. ALL TREES ON PUBLIC PROPERTY ARE PROTECTED AND REMOVAL MUST BE PERMITTED BY THE CITY ARBORIST (704)334-4262.
9. ADDITIONAL TREES MAY BE NEEDED IN OPEN AREAS OF EXISTING TREE SAVE AREAS PER URBAN FORESTER INSPECTION.

GENERAL

1. CALL (704) 334-4330 FOR AN INSPECTION OF TREE PROTECTION/PLANTING AREAS. A MINIMUM OF 5 DAYS BEFORE A CO IS NEEDED.
2. VISIT CITY OF CHARLOTTE'S LAND DEVELOPMENT WEBSITE FOR ADDITIONAL INFORMATION AND URBAN FORESTRY REQUIREMENTS: [HTTP://LANDPERMITS.CHARMECK.ORG](http://LANDPERMITS.CHARMECK.ORG) THEN CLICK TREES.

INTERNAL PLANTING REQUIREMENTS

TOTAL MINIMUM LANDSCAPED AREA SHALL BE EQUAL TO 10% OF THE TOTAL IMPERVIOUS AREA FOR THE ENTIRE SITE WITH NEW SITES AND 5% OF THE TOTAL IMPERVIOUS AREA FOR RENOVATED SITES.

- PROPOSED IMPERVIOUS AREA = 63,334.29 SF
- 10% OF IMPERVIOUS = 6,333.49 SF
- PROVIDED LANDSCAPE = 20,432.60 SF MIN.

PERIMETER PLANTING: 1-77: +/- 520' = 17 TREES (30" O.C.)
ARCHDALE DRIVE: +/- 640' = 16 TREES (40" O.C.)

TREE SAVE REQUIREMENT - THE SITE WILL NOT MEET REQUIRED ACREAGE FOR TREE SAVE - OWNER WILL REPLANT 43 TREES IN LIEU OF THIS REQUIREMENT

0.88 TOTAL ACREAGE REQUIRED FOR TREE SAVE ON SITE
0.10 TOTAL ACREAGE OF EXISTING TREE SAVE PRESERVED
REPLANTING REQUIRES 150% OF TREE SAVE AREA NOT PRESERVED
0.88 - 0.10 = 0.78 AC x 1.5 = 1.17 AC
REPLANTING REQUIRES 36 TREES/ACRE
1.17 x 36 = 43 TREES

PLANT LIST

QTY	COMMON NAME	SCIENTIFIC NAME	SIZE	HEIGHT	CONDITION	SPACING
TREES						
16	Common Hackberry	<i>Celtis occidentalis</i>	3" cal.	10' ht. min.	B&B	40' o.c.
26	Fosters Holly	<i>Ilex x attenuata 'Foster'</i>	2" cal.	8' ht. min.	B&B	30' o.c. / As Shown
19	Loblolly Pine	<i>Pinus taeda</i>	3" cal.	10' ht. min.	B&B	As Shown
12	Sweetgum, Fruitless	<i>Liquidambar styraciflua 'Rotundiloba'</i>	3" cal.	10' ht. min.	B&B	As Shown
12	Southern Red Oak	<i>Quercus falcata</i>	3" cal.	10' ht. min.	B&B	As Shown
5	Willow Oak	<i>Quercus phellos</i>	3" cal.	10' ht. min.	B&B	As Shown

SHRUBS

7	Chindo Viburnum	<i>Viburnum odoratissimum 'Chindo'</i>	5 gal.	6' ht. min.	Full	As Shown
101	Dwf. Burford Holly	<i>Ilex cornuta 'Dwarf Burford'</i>	5 gal.	30" ht. min.	cont.	5' o.c.
39	Dwf. Yaupon Holly	<i>Ilex vomitoria 'Nano'</i>	3 gal.	18" ht. min.	cont.	As Shown

ANNUALS/GRASSES/GROUNDCOVERS

CHARLOTTE TREE ORDINANCE
SITE/LANDSCAPE PLAN APPROVED
REVIEWER: G. TURNER
DATE: 6-15-16



1. CONTRACTOR IS FULLY RESPONSIBLE FOR CONTACTING APPROPRIATE PARTIES AND ASSURING THAT EXISTING UTILITIES ARE LOCATED PRIOR TO BEGINNING CONSTRUCTION.
2. CONTRACTOR IS RESPONSIBLE FOR PLACING BARRICADES USING FLAGMEN, ETC., AS NECESSARY TO INSURE SAFETY TO THE PUBLIC.
3. ALL PAVEMENT CUTS, CONCRETE OR ASPHALT, ARE TO BE REPLACED ACCORDING TO STANDARDS OF THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION.
4. SHORING WILL BE ACCORDING TO OSHA TRENCHING STANDARDS PART 1926 SUBPART P, OR AS AMENDED.

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North Arrow
GRAPHIC SCALE 1"=40 FT.

Professional Seal: G. Turner, State of North Carolina, Professional Engineer, License No. 13381, dated 07/09/2007.

PETSUITES ARCHDALE
TAX ID: 16918214, 16918210
219 ARCHDALE DRIVE CHARLOTTE, NC
LANDSCAPE PLAN

REVISIONS:

02/04/2016	- PER CITY OF CHARLOTTE
02/25/2016	- BUILDING STANDARDS
04/04/2016	- BUILDING STANDARDS
04/21/2016	- ZONING/TREE SAVE
05/19/2016	- TREE SAVE
06/02/2016	- TREE SAVE

FILE NAME: C09 - LANDSCAPE REVISION2.DWG
PROJECT NUMBER: 214123
DATE: 05/09/2016 DRAWN BY: JAH
SHEET **C09** OF **13**