



PLANTING NOTES

- NO SUBSTITUTIONS SHALL BE ALLOWED WITHOUT OWNER'S APPROVAL.
- QUANTITIES IN THE PLANT LIST ARE FOR INFORMATION ONLY. CONTRACTOR SHALL VERIFY.
- ALL PLANT LOCATIONS ARE APPROXIMATE, ADJUST AS NECESSARY TO AVOID CONFLICTS.
- EDGING SHALL BE STEEL PER SPEC, OR OWNER APPROVED EQUAL. INSTALL STAKES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION.
- THE PLANTING BEDS RECEIVING MULCH SHALL BE TREATED WITH A PRE-EMERGENT HERBICIDE PRIOR TO PLANTING AND MULCH PLACEMENT. APPLY IN ACCORDANCE WITH STANDARD TRADE PRACTICE.
- WEED BARRIER FABRIC, AS NOTED IN THE SPECIFICATIONS, SHALL BE INSTALLED IN ALL SHRUB PLANTING BEDS TO RECEIVE GRAVEL MULCH.
- TURF SHALL BE LOCALLY HARDY BLUEGRASS / FESCUE MIX SOD.
- WHEN CLAY SOIL IS ENCOUNTERED IN THE ESTABLISHMENT OF THE LAWN OR THE INSTALLATION OF PLANT MATERIAL, SOIL SHALL BE IMPROVED IN ACCORDANCE WITH STANDARD TRADE PRACTICE. I.E. ADDITION OF LIME, GYPSUM, ETC.
- ANY PLANTING BED ADJACENT TO WALKS OR CURBING SHALL HAVE THE GRADE LOWERED TO A SUFFICIENT DEPTH TO ALLOW THE TOP OF THE MULCH TO MATCH THE TOP OF WALK OR CURBING. EDGING SHALL BE INSTALLED BETWEEN PLANTING BEDS AND CURBS OR SIDEWALK EDGES.
- DO NOT GRADE PLANTING BEDS WITH STEEP, ABRUPT SLOPES DOWN TO EDGING OR CONCRETE EDGES. ALL PLANTING BEDS SHALL HAVE EVEN SMOOTH SLOPES.
- GRAVEL MULCH SHALL BE 1" TO 3" DIA. WASHED NATIVE RIVER ROCK (SUBMIT SAMPLE TO OWNER FOR APPROVAL)

CHARLOTTE URBAN FORESTRY  
TREE PLANTING AND PRESERVATION REQUIREMENTS (UPDATED 10/10/14)

- PLANT MATERIAL
- MINIMUM TREE SIZE AT PLANTING IS 2" CALIPER AND 8' TALL FOR SINGLE-STEM TREES. ALL MULTI-STEM PLANTS MUST BE TREE FORM, MAXIMUM 5 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 12' TALL.
  - ALL NEW TREES MUST HAVE STRAIGHT TRUNKS WITH STRONG CENTRAL LEADERS INTACT TO THE TOP OF THE CROWN UNLESS MULTIPLE TRUNK TREES ARE SPECIFIED. ALL REQUIRED TREES SHALL BE TYPICAL OF THEIR SPECIES AND VARIETY. HAVE NORMAL GROWTH HABITS, WELLS DEVELOPED BRANCHES, BE VIGOROUS AND HAVE FIBROUS ROOT SYSTEMS. TREES WITH MAJOR CODLING ROOTS WILL NOT BE ACCEPTED. TREES WITH CE-DOMINANT BRANCHING WILL NOT BE ACCEPTED. TREES THAT HAVE BEEN SHEARED, TOPPED OR CUT BACK TO MULTIPLY THE BRANCHING STRUCTURE WILL NOT BE ACCEPTED. TRUNKS SHALL BE FREE OF ABRASIONS, DAMAGE, BARK PEEL, PESTS AND CRACKS. ALL PRUNING CUTS GREATER THAN 1/2" 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).
  - 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.
  - ALL REQUIRED TREES OF A PARTICULAR SPECIES AND VARIETY SHALL BE UNIFORM IN SIZE AND CONFIGURATION.
  - PERIMETER TREES IN URBAN ZONES SHALL BE 3" IN CALIPER AND BE FREE OF BRANCHES UP TO 6' FROM THE TOP OF ROOT CROWN (BALL).
  - 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.
  - 75% OF REQUIRED TREES MUST BE LARGE MATURE SPECIES EXCEPT IN SITUATIONS WITH OVERHEAD POWER LINE CONFLICTS.

- PLANTING REQUIREMENTS
- SEE CLDS 40.01 & 40.09 (ON PLAN) FOR DETAILED TREE PLANTING REQUIREMENTS.
  - PLASTIC HOSE PARTS WILL NOT BE ACCEPTED FOR TREE STAKING. SEE CLDS 40.01 FOR APPROVED STAKING METHOD/MATERIALS.
  - ALL STRAPPING, AND TOP 1/3 OF WIRE BASKET AND BURLAP MUST BE CUT AWAY AND REMOVED FROM ROOT BALL WHEN PLANTING.
  - FOR NEW PLANTING AREAS, REMOVE ALL PAVEMENT, GRAVEL, SUB-BASE AND CONSTRUCTION DEBRIS; REMOVE COMPACTED SOIL AND ADD 18" NEW TOPSOIL, OR TILL AND AMEND THE TOP 18" OF EXISTING SOIL TO MEET TOPSOIL/PLANTING MIX STANDARDS FOR TREES (WITHIN ENTIRE MINIMUM AREA OF 274 SQUARE FEET).
  - TREES PLANTED ON PUBLIC PROPERTY WILL NEED APPROVAL FROM THE CITY ARBORIST AND/OR NCDOT.
  - REVIEW SOIL REQUIREMENTS IN THE TREE ORDINANCE GUIDELINES AT: [HTTP://CHARLOTTENC.GOV/LD](http://charlottenc.gov/LD) THEN CLICK TREES.

- UTILITY ISSUES
- IF ANY UTILITY IS BEING INSTALLED IN OR NEAR ANY REQUIRED TREE(S) OR TREE SAVE AREA(S), CALL URBAN FORESTRY SPECIALIST TO RESOLVE PRIOR TO UTILITY INSTALLATION.
  - LARGE MATURING TREES MAY NOT BE PLANTED WITHIN 25' OF OVERHEAD POWER DISTRIBUTION OR TRANSMISSION LINES.
  - IF TREES CONFLICT WITH ANY UTILITIES OR SIGNS, CALL URBAN FORESTER TO RESOLVE BEFORE PLANTING.
  - ADJUST TREE PLANTING LOCATIONS TO AVOID EXISTING UNDERGROUND UTILITIES. PLANT 15' FROM ALL UNDERGROUND UTILITIES.
  - NO LIGHT POLES, UTILITIES OR TRANSFORMERS CAN BE INSTALLED IN TREE ISLANDS.
  - 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
- TREE PROTECTION MUST BE INSTALLED AND VERIFIED BY URBAN FORESTRY PRIOR TO STARTING ANY CONSTRUCTION ACTIVITY.
  - SHOW TREE PROTECTION AND TREES SAVE AREAS ON EROSION CONTROL, GRADING AND LANDSCAPE PLAN SHEETS.
  - COMMERCIAL TREE SAVE AREAS MUST BE RECORDED ON A FINAL PLAT WITH THE MCKLENBURG 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.
  - 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.
  - THE AREA OF ANY EASEMENTS (WATER, SEWER, UTILITY, ETC.) CAN NOT BE COUNTED TOWARD THE TREE SAVE REQUIREMENT.
  - ANY ALTERATIONS TO TREE SAVE AREAS MUST BE ACCOMPLISHED WITHOUT MECHANIZED EQUIPMENT.
  - NO STRUCTURE WILL BE ALLOWED WITHIN 10' OF TREE SAVE AREAS UNLESS APPROVED BY URBAN FORESTRY.
  - ALL TREES ON PUBLIC PROPERTY ARE PROTECTED AND REMOVAL MUST BE PERMITTED BY THE CITY ARBORIST (704)336-4262.
  - CONTACT URBAN FORESTRY SPECIALIST PRIOR TO ANY CRANE SET-UP, MACHINERY OPERATION OR TEMPORARY BUILDING ERECTION THAT MAY IMPACT CHARLOTTE TREE ORDINANCE PROTECTED TREES OR TREE SAVE AREAS, INCLUDING TREES LOCATED IN STREET RIGHT OF WAY. IMPACTS MAY INCLUDE BUT ARE NOT LIMITED TO: ENCRoACHING WITHIN TREE DRIP-LINES, EXCAVATION, SOIL COMPACTION, TREE TRIMMING, ERECTING AND DISMANTLING OF CONSTRUCTION CRANES.

- GENERAL
- SUBMIT REQUIRED CO/HOLD RELEASE FORM AT [HTTP://CHARLOTTENC.GOV/LD](http://charlottenc.gov/LD) FOR AN INSPECTION OF TREE PROTECTION/PLANTING AREAS, A MINIMUM OF 5 DAYS BEFORE THE CO/HOLD RELEASE IS NEEDED.
  - VISIT CITY OF CHARLOTTE'S LAND DEVELOPMENT WEBSITE FOR ADDITIONAL INFORMATION AND URBAN FORESTRY REQUIREMENTS: [HTTP://CHARLOTTENC.GOV/LD](http://charlottenc.gov/LD) THEN CLICK TREES.

PLANTING LIST

KEY	QTY.	COMMON NAME	BOTANICAL NAME	SIZE	COND.
<b>TREES:</b>					
BG	2	BLACK GUM	NYSSA SYLVATICA	2.0" MIN. CAL.	B & B
CP	1	CHINESE PISTACHE	PISTACIA CHINENSIS	2.0" MIN. CAL.	B
SM	4	SUGAR MAPLE	ACER SACCHARUM	2.0" MIN. CAL.	B & B
RB	1	EASTERN REDBUD	CERCIS CANADENSIS	2.0" MIN. CAL.	B & B
<b>SHRUBS/GRASSES:</b>					
FC	21	FLOWERING QUINCE	CHAENOMELES SPECIOSA	5 GAL.	CONT.
CB	12	CRIMSON PYGMY BARBERRY	BERBERIS THUNBERGII 'CRIMSON PYGMY'	5 GAL.	CONT.
SB	8	SPRING BOUQUET VIBURNUM	VIBURNUM TINUS 'COMPACTUM'	5 GAL.	CONT.
MS	10	MISCANTHUS	MISCANTHUS SPP.	5 GAL.	CONT.
GA	19	GLOSSY ABELIA	ABELIA X GRANDIFLORA	5 GAL.	CONT.
SP	7	SKY PENCIL HOLLY	ILEX CRENATA 'HEAVENLY BROTHERS'	5 GAL.	CONT.
MC	13	MONKEY GRASS	LIRIOPE MURRAYI	1 GAL.	CONT.
SD	46	STELLA DE' ORO DAYLILY	HELIOPOLLOIDES 'STELLA DE' ORO'	1 GAL.	CONT.
RY	11	ADAM'S NEEDLE	YUCCA FLACCA	5 GAL.	CONT.
IH	20	INDIAN HAWTHORN	RAPHANOCARPIS INDIANA	5 GAL.	CONT.

TREE ORDINANCE CALCULATIONS

PERIMETER TREE REQUIREMENTS =  
TOTAL ROAD FRONTAGE / 40' = 171 LINEAR FT / 40' = 4.28 TREES

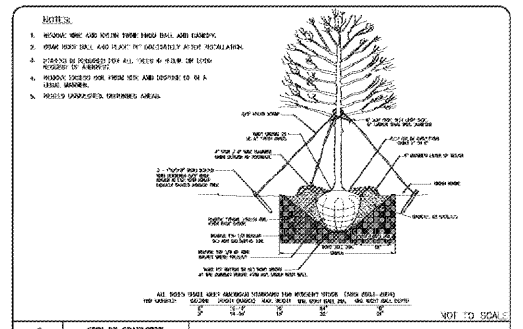
\*\*RIVERBEND SUBDIVISION HAS PROVIDED 4 STREET TREES ALONG MT. HOLLY AT THE PROPERTY LINE.

INTERNAL TREE REQUIREMENTS = TOTAL IMPERVIOUS AREA / 10,000 SF =  
26938 / 10,000 = 2.7 TREES

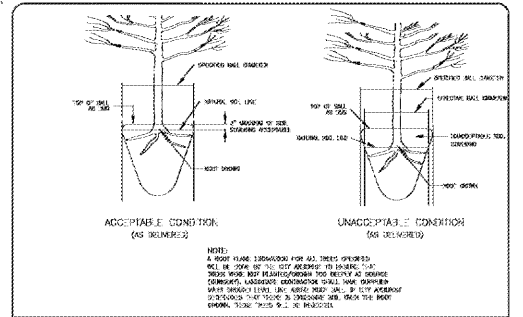
MINIMUM 10% LANDSCAPE AREA = PERVIOUS AREA / IMPERVIOUS AREA =  
10,894 SF / 26,938 SF = 40% LANDSCAPE AREAS

TOTAL TREES REQUIRED 7 TREES; 8 TREES PROVIDED

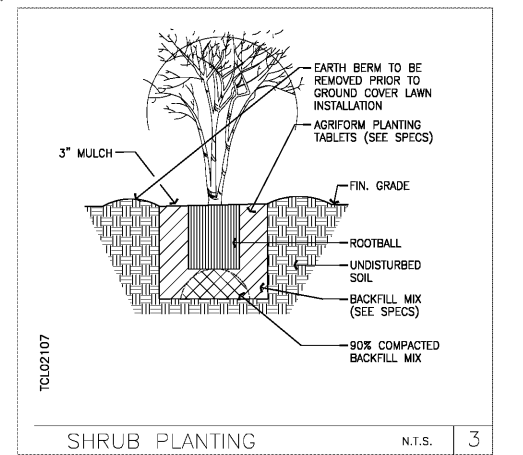
\*\* 15% TREE SAVE REQUIREMENT FOR SITE IS MET THROUGH THE RIVERBEND SUBDIVISION PLANS.



CITY OF CHARLOTTE LAND DEVELOPMENT DEPARTMENT TREE PLANTING (FOR SINGLE AND MULTI-STEM TREES) (REV. 05.14) (40.01)



CITY OF CHARLOTTE LAND DEVELOPMENT DEPARTMENT ROOT FLARE DEPTHS (FOR ROOT BALL CONDITION ON TREES FROM SUPPLIERS) (REV. 05.14) (40.01)



SHRUB PLANTING N.T.S. 3

LEGEND

- PROPOSED TREE
- UNITS OF SOD (LOCALLY GROWN FESCUE MIX)
- 3" LAYER OF 1"-3" DIA. WASHED NATIVE RIVER ROCK MULCH WITH LANDSCAPE FABRIC UNDERLAYMENT.
- 4" STEEL LANDSCAPE EDGING (SEE PLANTING NOTES)
- PROPOSED SHRUBS AND GRASSES
- ±24" - 36" BOULDERS (SIMILAR TO GRAVEL MULCH)



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- 12144.400
- ELECTRICAL COMMENTS 11/17/17
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CONTRACT DATE: 10.2.17  
BUILDING TYPE: EXP. LITE MED40  
PLAN VERSION: DECEMBER 2016  
SITE NUMBER: 311687  
STORE NUMBER: 436563

TACO BELL  
3923 SHAKEDOWN ST.  
CHARLOTTE, NC

EXPLORER LITE  
MEDIUM 54

PLANTING PLAN AND DETAILS

LP101