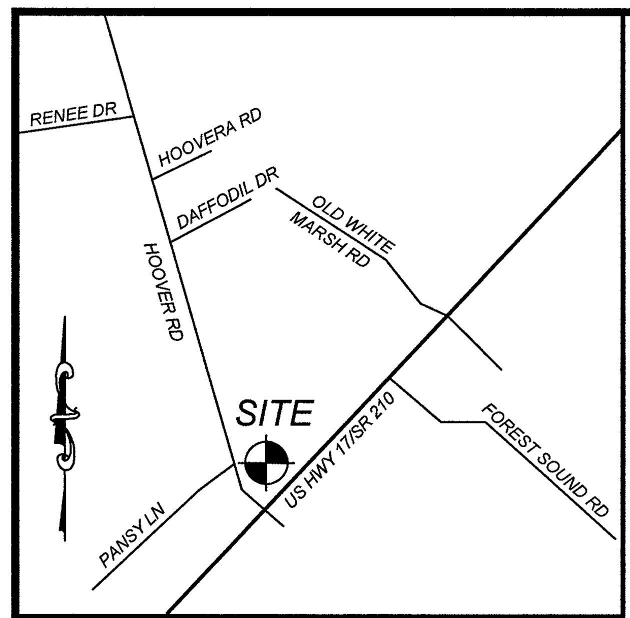


VICINITY MAP

1" = 1000'

LANDSCAPE CALCULATIONS:

STREET YARD REQUIREMENTS:
BUFFER "A" - 15 LF
3 CANOPY TREES AND 2 UNDERSTORY TREES PER 100 LF

US HIGHWAY 17—200 LF
REQUIRED TREES = 6 CANOPY AND 4 UNDERSTORY
PROVIDED TREES = 6 GINKOS AND 4 EASTERN REDBUDS

HOOVER ROAD—312 LF
REQUIRED TREES = 9 CANOPY AND 6 UNDERSTORY
PROVIDED TREES = 7 RED MAPLES, 2 GINKOS, 5 SERVICEBERRYS AND 1 EASTERN REDBUD

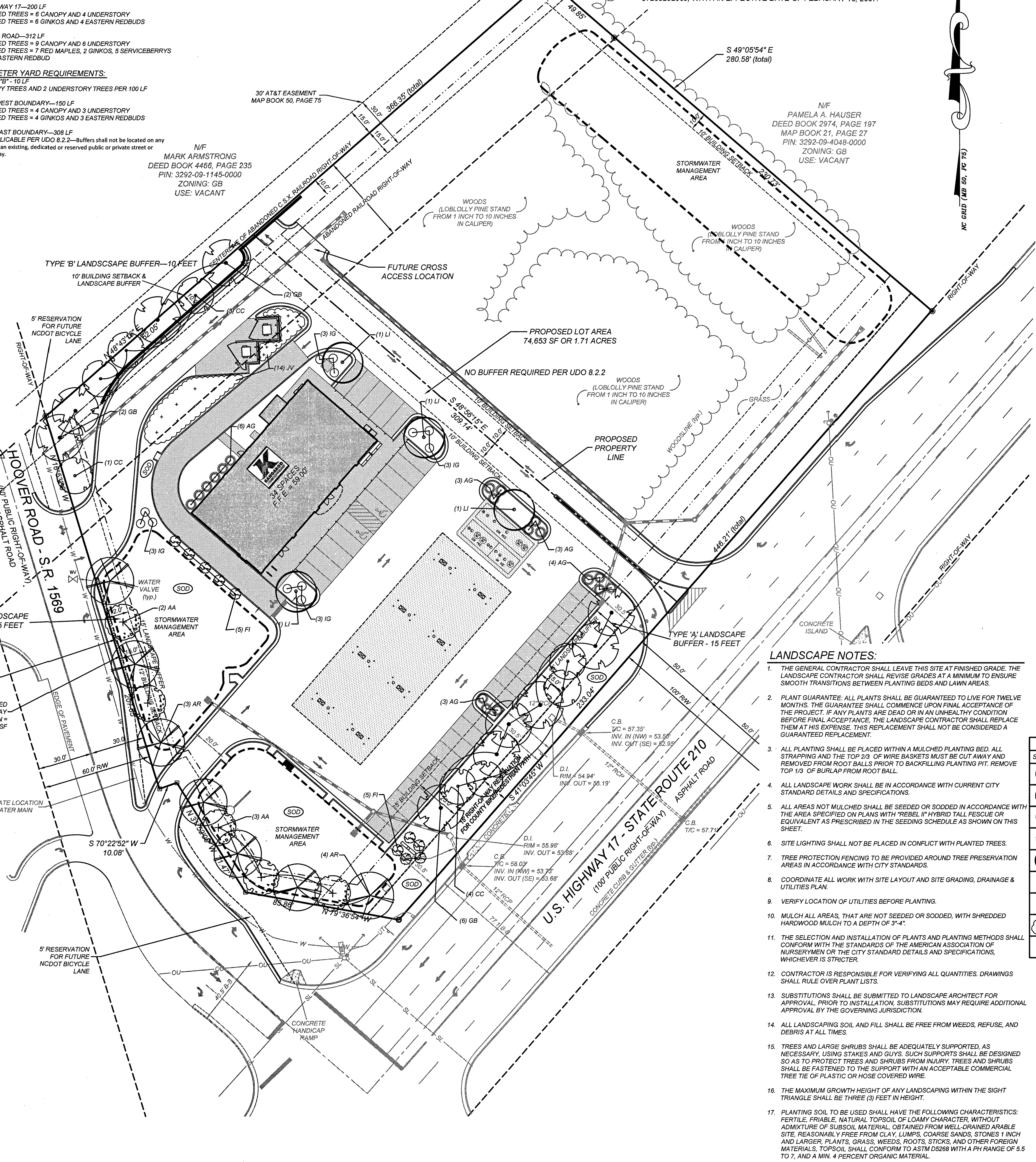
PERIMETER YARD REQUIREMENTS:
BUFFER "B" - 10 LF
3 CANOPY TREES AND 2 UNDERSTORY TREES PER 100 LF

NORTHWEST BOUNDARY—150 LF
REQUIRED TREES = 4 CANOPY AND 3 UNDERSTORY
PROVIDED TREES = 4 GINKOS AND 3 EASTERN REDBUDS

NORTHEAST BOUNDARY—308 LF
NOT APPLICABLE PER UDO 8.2.2—Buffers shall not be located on any portion of an existing, dedicated or reserved public or private street or right-of-way.

FLOOD INFORMATION

SUBJECT PROPERTY IS NOT LOCATED WITHIN A SPECIAL FLOOD HAZARD ZONE. IT IS LOCATED IN ZONE "X" AS DEFINED BY FEMA F.I.R.M. MAP NUMBER 3720329200J, WITH AN EFFECTIVE DATE OF FEBRUARY 16, 2007.



TURF NOTES:

1. CHISEL COMPACTED AREAS AND SPREAD TOPSOIL 3 INCHES DEEP OVER ADVERSE SOIL CONDITIONS, IF AVAILABLE.
2. RIP ENTIRE AREA TO 6 INCHES IN DEPTH.
3. REMOVE ALL LOOSE ROCK, ROOTS, AND OTHER OBSTRUCTIONS LEAVING SURFACE REASONABLY SMOOTH AND UNIFORM.
4. APPLY AGRICULTURAL LIME, FERTILIZER, AND SUPERPHOSPHATE UNIFORMLY AND MIX WITH SOIL (SEE BELOW*).
5. CONTINUE TILLAGE UNTIL A WELL-PULVERIZED, FIRM, REASONABLY UNIFORM SEEDBED IS PREPARED 4 TO 6 INCHES DEEP.
6. SEED ON A FRESHLY PREPARED SEEDBED AND COVER SEED LIGHTLY WITH SEEDING EQUIPMENT OR CULTIPACK AFTER SEEDING.
7. MULCH IMMEDIATELY AFTER SEEDING AND ANCHOR MULCH.
8. INSPECT ALL SEEDED AREAS AND MAKE NECESSARY REPAIRS OR RESEEDINGS WITHIN THE PLANTING SEASON, IF POSSIBLE. IF STAND SHOULD BE OVER 60% DAMAGED, RE-ESTABLISH FOLLOWING ORIGINAL LIME, FERTILIZER AND SEEDING RATES.
9. CONSULT CONSERVATION INSPECTOR ON MAINTENANCE TREATMENT AND FERTILIZATION AFTER PERMANENT COVER IS ESTABLISHED.

   *APPLY: AGRICULTURAL LIMESTONE - 2 TONS/ACRE (3 TONS/ACRE IN CLAY SOILS) FERTILIZER - 1,000 LBS/ACRE - 10-10-10 SUPERPHOSPHATE - 500 LBS/ACRE 20% ANALYSIS MULCH - 2 TONS/ACRE - SMALL GRAIN STRAW ANCHOR - ASPHALT EMULSION @ 300 GALS/ACRE

   SOD PREPARATION:
   FOLLOW PREPARATION AS DIRECTED FOR STEPS 1-5 ABOVE. IMMEDIATELY WATER SOD UPON INSTALLATION AND CONTINUE UNTIL ROOTS ARE ESTABLISHED.

10. CONTRACTOR SHALL WATER AND MAINTAIN ALL LAWN AREAS UNTIL AN ACCEPTABLE STAND OF GRASS HAS BEEN ESTABLISHED.
11. ONCE AN ACCEPTABLE STAND OF GRASS HAS BEEN ESTABLISHED, THE CONTRACTOR SHALL REPAIR ALL DAMAGED AREAS AND MONITOR THE LAWN AREAS UNTIL THE GRASS REACHES A HEIGHT OF 4 INCHES TALL.
12. AT THE TIME THE GRASS REACHES A HEIGHT OF 4 INCHES TALL, THE CONTRACTOR SHALL MOW THE GRASS TO THE HEIGHT OF 3 INCHES AND TURN OVER THE LAWN MAINTENANCE TO THE OWNER.
13. AN ACCEPTABLE STAND OF GRASS SHALL BE 92% COVERAGE OR BETTER.

PERMANENT SODDING IN NORTH CAROLINA

SPECIES:
HYBRID BERMUDAGRASS

SOIL PREPARATION:
APPLY LIME AT A RATE OF 100 LB PER 1,000 SF. APPLY FERTILIZER AT A RATE OF 25 LB PER 1,000 SF OF 10-10-10 IN FALL OR 5-10-10 IN SPRING.

SOD INSTALLATION:
1. PRIOR TO LAYING SOD, CLEAR SURFACE OF SOIL OF ALL TRASH AND DEBRIS. FILL ALL LOW SPOTS TO AVOID STANDING WATER.
2. PRIOR TO INSTALLATION, STORE ALL SOD IN SHADE AND MOISTEN TO MAINTAIN VIABILITY. DELIVERY AND INSTALLATION OF SOD SHOULD TAKE PLACE WITHIN A PERIOD OF 36 HOURS.
3. DURING SUMMER, LIGHTLY IRRIGATE SOIL IMMEDIATELY BEFORE LAYING SOD.
4. LAY FIRST ROW OF SOD IN A STRAIGHT LINE WITH SUBSEQUENT ROWS PLACED PARALLEL TO AND BUTTING TIGHTLY AGAINST EACH OTHER. STAGGER STRIPS IN A BRICK-LIKE PATTERN. ENSURE THAT THE SOD IS NOT STRETCHED OR OVERLAPPED. TRIM AND FIT IRREGULARY AREAS WITH A KNIFE OR SHARP SPADE.
5. INSTALL STRIPS OF SOD WITH THEIR LONGEST DIMENSION PERPENDICULAR TO THE SLOPE. ON SLOPES 3:1 OR GREATER, OR WHEREVER EROSION MAY BE A PROBLEM, SECURE SOD WITH PEGS OR STAPLES.
6. AFTER SODDING OF AREAS IS COMPLETE, ROLL SOD TO PROVIDE FIRM CONTACT BETWEEN ROOTS AND SOIL.
7. IRRIGATE UNTIL THE SOIL IS WET 4 INCHES BELOW THE SOD. KEEP SODDED AREAS MOIST TO A DEPTH OF 4 INCHES UNTIL GRASS TAKES ROOT.
8. NO MOWING SHOULD OCCUR UNTIL THE SOD IS FIRMLY ROOTED, USUALLY 2-3 WEEKS.

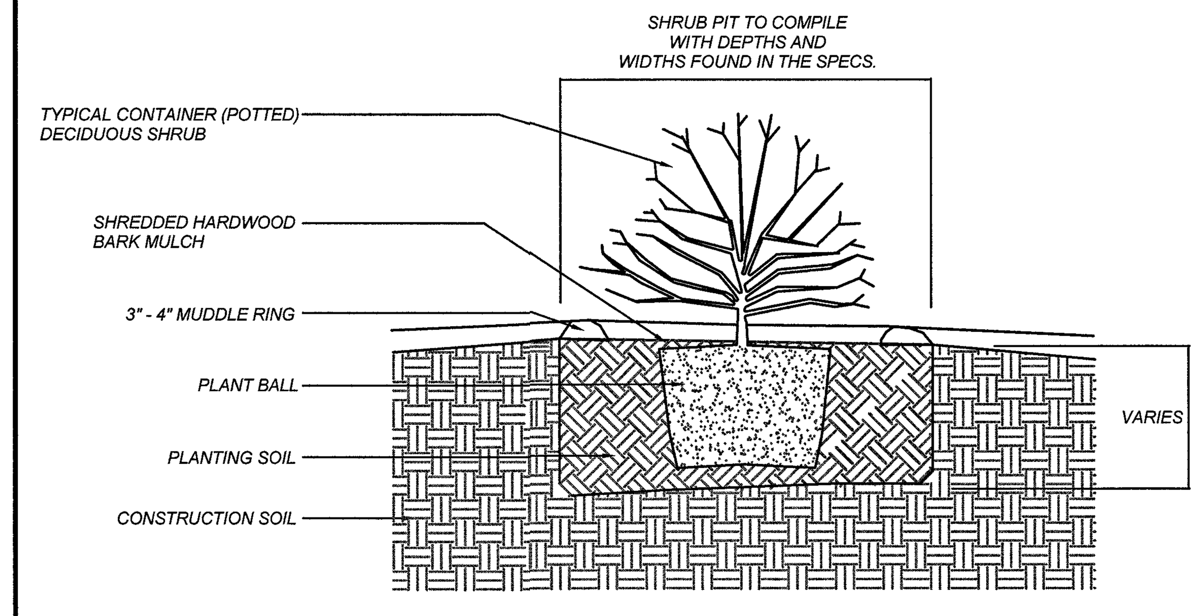
MAINTENANCE:
WATER AS NECESSARY TO MAINTAIN ADEQUATE MOISTURE. GRASS HEIGHT SHOULD BE MAINTAINED BETWEEN 1 AND 2 INCHES. APPLY FERTILIZER ANNUALY AT A RATE OF 5-6 LB NITROGEN PER 1,000 SF.

LANDSCAPE NOTES:

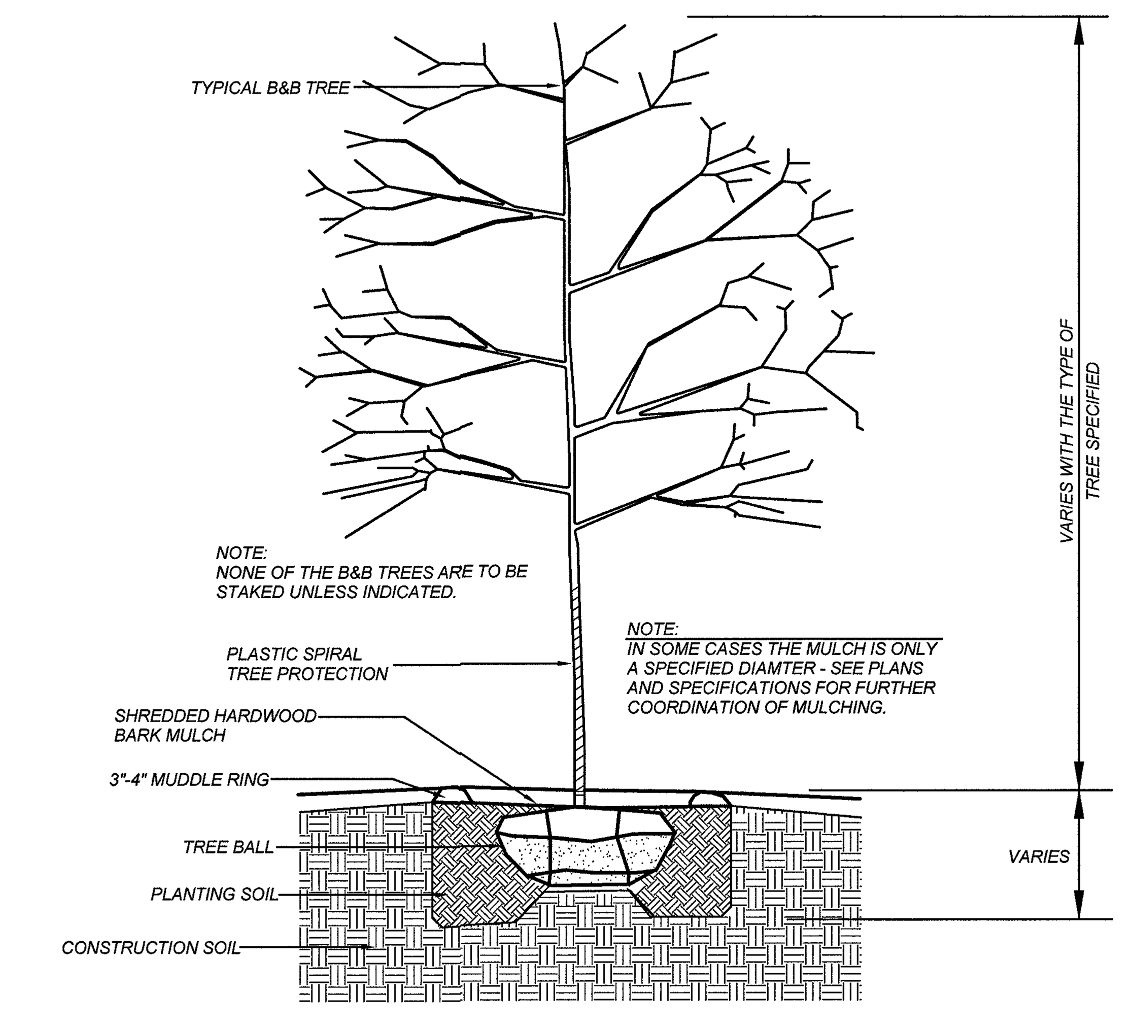
1. THE GENERAL CONTRACTOR SHALL LEAVE THIS SITE AT FINISHED GRADE. THE LANDSCAPE CONTRACTOR SHALL REVISE GRADES AT A MINIMUM TO ENSURE SMOOTH TRANSITIONS BETWEEN PLANTING BEDS AND LAWN AREAS.
2. PLANT GUARANTEE: ALL PLANTS SHALL BE GUARANTEED TO LIVE FOR TWELVE MONTHS. THE GUARANTEE SHALL COMMENCE UPON FINAL ACCEPTANCE OF THE PROJECT. IF ANY PLANTS ARE DEAD OR IN AN UNHEALTHY CONDITION BEFORE FINAL ACCEPTANCE, THE LANDSCAPE CONTRACTOR SHALL REPLACE THEM AT HIS EXPENSE. THIS REPLACEMENT SHALL NOT BE CONSIDERED A GUARANTEED REPLACEMENT.
3. ALL PLANTING SHALL BE PLACED WITHIN A MULCHED PLANTING BED. ALL STRAPPING AND THE TOP 2/3 OF WIRE BASKETS MUST BE CUT AWAY AND REMOVED FROM ROOT BALLS PRIOR TO BACKFILLING PLANTING PIT. REMOVE TOP 1/3 OF BURLAP FROM ROOT BALL.
4. ALL LANDSCAPE WORK SHALL BE IN ACCORDANCE WITH CURRENT CITY STANDARD DETAILS AND SPECIFICATIONS.
5. ALL AREAS NOT MULCHED SHALL BE SEEDED OR SODDED IN ACCORDANCE WITH THE AREA SPECIFIED ON PLANS WITH "REBEL II" HYBRID TALL FESCUE OR EQUIVALENT AS PRESCRIBED IN THE SEEDING SCHEDULE AS SHOWN ON THIS SHEET.
6. SITE LIGHTING SHALL NOT BE PLACED IN CONFLICT WITH PLANTED TREES.
7. TREE PROTECTION FENCING TO BE PROVIDED AROUND TREE PRESERVATION AREAS IN ACCORDANCE WITH CITY STANDARDS.
8. COORDINATE ALL WORK WITH SITE LAYOUT AND SITE GRADING, DRAINAGE & UTILITIES PLAN.
9. VERIFY LOCATION OF UTILITIES BEFORE PLANTING.
10. MULCH ALL AREAS, THAT ARE NOT SEEDED OR SODDED, WITH SHREDDED HARDWOOD MULCH TO A DEPTH OF 3"-4".
11. THE SELECTION AND INSTALLATION OF PLANTS AND PLANTING METHODS SHALL CONFORM WITH THE STANDARDS OF THE AMERICAN ASSOCIATION OF NURSERYMEN OR THE CITY STANDARD DETAILS AND SPECIFICATIONS, WHICHEVER IS STRICTER.
12. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES. DRAWINGS SHALL RULE OVER PLANT LISTS.
13. SUBSTITUTIONS SHALL BE SUBMITTED TO LANDSCAPE ARCHITECT FOR APPROVAL, PRIOR TO INSTALLATION, SUBSTITUTIONS MAY REQUIRE ADDITIONAL APPROVAL BY THE GOVERNING JURISDICTION.
14. ALL LANDSCAPING SOIL AND FILL SHALL BE FREE FROM WEEDS, REFUSE, AND DEBRIS AT ALL TIMES.
15. TREES AND LARGE SHRUBS SHALL BE ADEQUATELY SUPPORTED, AS NECESSARY, USING STAKES AND GUYS. SUCH SUPPORTS SHALL BE DESIGNED SO AS TO PROTECT TREES AND SHRUBS FROM INJURY. TREES AND SHRUBS SHALL BE FASTENED TO THE SUPPORT WITH AN ACCEPTABLE COMMERCIAL TREE TIE OF PLASTIC OR HOSE COVERED WIRE.
16. THE MAXIMUM GROWTH HEIGHT OF ANY LANDSCAPING WITHIN THE SIGHT TRIANGLE SHALL BE THREE (3) FEET IN HEIGHT.
17. PLANTING SOIL TO BE USED SHALL HAVE THE FOLLOWING CHARACTERISTICS: FERTILE, FRIABLE, NATURAL TOPSOIL OF LOAMY CHARACTER, WITHOUT ADMIXTURE OF SUBSOIL MATERIAL, OBTAINED FROM WELL-DRAINED ARABLE SITE, REASONABLY FREE FROM CLAY, LUMPS, COARSE SANDS, STONES 1 INCH AND LARGER, PLANTS, GRASS, WEEDS, ROOTS, STICKS, AND OTHER FOREIGN MATERIALS, TOPSOIL SHALL CONFORM TO ASTM D5268 WITH A PH RANGE OF 5.5 TO 7, AND A MIN. 4 PERCENT ORGANIC MATERIAL.

NOTE:
IN SOME CASES THE MULCH IS ONLY A SPECIFIED DIAMETER. SEE PLANS AND SPECIFICATIONS FOR FURTHER COORDINATION OF MULCHING.

NOTE:
PRUNE SHRUB AS RECOMMENDED BY GROWER ONLY AFTER THE PLANT HAS BEEN WATERED INTO THE PLANTING SOIL.



SHRUB PLANTING DETAIL



NOTE:
1. ALL TREES SHOULD BE PRUNED ONLY AFTER INSTALLATION AND WATERING IN THE TREE. PRUNE TO GROWERS SPECIFICATIONS.
2. ALL TREES SHALL COMPLY WITH THE AMERICAN STANDARDS FOR NURSERY STOCK - INCLUDING TREE PIT DEPTH AND WIDTH.

TREE PLANTING DETAIL

PLANTING SCHEDULE (SEE LANDSCAPING NOTE #12)

SYMBOL	KEY	NO.	BOTANICAL NAME	COMMON NAME	CALIPER	HEIGHT	ROOT	COMMENTS
	GB	10	GINKO BILOBA	GINKO	2 1/2"	10' MIN.	B & B	MALE STRAIN ONLY 'AUTUMN GOLD' VAR.
	AR	7	ACER RUBRUM	RED MAPLE	2 1/2"	10' MIN.	B & B	-
	CC	8	CERCIS CANADENSIS	EASTERN REDBUD	2 1/2"	8' MIN.	B & B	-
	AA	5	AMELANCHIER ARBOREA	SERVICE BERRY	2 1/2"	8' MIN.	B & B	-
	LI	4	LAGERSTROEMIA INDICA	CRAPE MYRTLE	2 1/2"	8' MIN.	B & B	-
	FI	10	FORSYTHIA X INTERMEDIA	FORSYTHIA	-	18" - 24"	3 GAL.	-
	AG	19	ABELIA GRANDIFLORA	GLOSSY ABELIA	-	18" - 24"	3 GAL.	-
	JV	14	JUNIPERUS VIRGINIANA 'GREY OWL'	GREY OWL JUNIPER	-	18" - 24"	3 GAL.	SHRUB VARIETY
	IG	12	ILEX GLABRA 'COMPACTA'	INKBERRY	-	18" - 24"	3 GAL.	-

GRAPHIC SCALE
30 0 15 30 60
1 inch = 30 ft.

REVISIONS

NO.	DATE	DESCRIPTION	BY
1	11/17/2014	REVISE PER COUNTY	JDF

COMMERCIAL SITE DESIGN
8312 CREEDMOOR ROAD
RALEIGH, NORTH CAROLINA 27613
(919) 848-6121, FAX: (919) 848-3741
WWW.CSITEDESIGN.COM

CLIENT:
THE PANTRY, INC.
305 GREGSON DRIVE
CARY, NORTH CAROLINA 27511
PHONE: (919) 774-6700

68 HOOVER ROAD
HAMPSTEAD, NORTH CAROLINA

LANDSCAPE PLAN

PROJECT NO.	PAN-1403
FILENAME:	PAN1403-LS
DRAWN BY:	JDF
SCALE:	1" = 30'
DATE:	10-10-2014
SHEET NO.	LA-100

X:\PAN - The Pantry, Inc\1403 - Hampstead, NC\CAD\PAN1403-LS.DWG, 11/19/2014 3:58:46 PM, dougs, KIP7170S.pc3