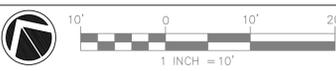
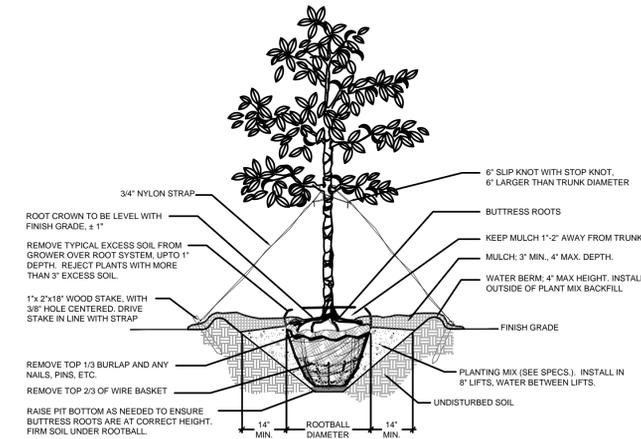


- REPLACEMENT NOTES:**
- Three (3) Trees to be removed:
 - (1) 10' Oak
 - (2) 5' Crape Myrtles
 - Replacement ratio:
 - 10' Oak x 100% = 3 = 3 trees (3 live oak high rise)
 - 5' x 5' x 100% = 3 = 3 trees (3 crape myrtles)
 - No parking space shall be greater than 120' from a landscape island.
 - Live Oak in center island shall be located to maintain a clear accessible route.
 - No parking space is more than 120' from a landscape island.

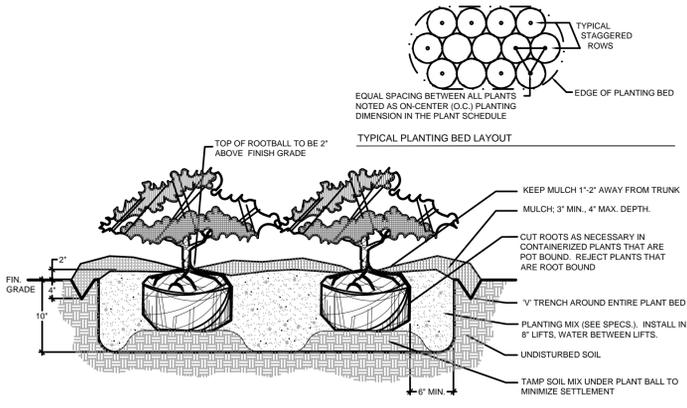
LANDSCAPE ISLAND REPLACEMENT TREES



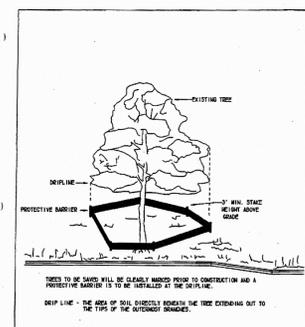
PLANTING ISLAND REPLACEMENT TREES



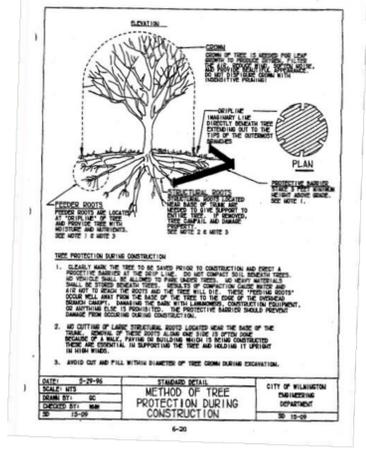
A SINGLE STEM TREE INSTALLATION DETAIL
SCALE: NTS



B SHRUB INSTALLATION DETAIL
SCALE: NTS



C CITY TREE PROTECTION FENCE DETAIL
SCALE: NTS



See engineers demolition plans for tree protection locations

For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.

CITY OF WILMINGTON
NORTH CAROLINA
Public Services Engineering Division
APPROVED DRAINAGE PLAN

Date: _____ Permit # _____
Signed: _____

CITY OF WILMINGTON
NORTH CAROLINA
Approved Construction Plan

Name: _____ Date: _____
Planning: _____
Traffic: _____
Fire: _____

PLANT MATERIAL NOTES

- ALL PLANT MATERIAL SHALL CONFORM TO THE MOST CURRENT STANDARDS ESTABLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMAN.
- CONTAINERIZED PLANTS SHALL HAVE A ROOT SYSTEM SUFFICIENT ENOUGH IN DEVELOPMENT TO HOLD THE SOIL INTACT WHEN REMOVED FROM THE CONTAINER. THE ROOT SYSTEM SHALL NOT BE ROOT BOUND, A CONDITION WHERE THE ROOT SYSTEM IS DENSE IN MASS, EXCESSIVELY INTERTWINED, AND HAS ESTABLISHED A CIRCULAR GROWTH PATTERN.
- ALL PLANTS SHALL BE FRESHLY DUG, SOUND, HEALTHY, VIGOROUS, WELL-ROOTED PLANTS AND ESTABLISHED IN THE CONTAINER IN WHICH THEY ARE SOLD. THE PLANTS SHALL HAVE TOPS WHICH ARE GOOD QUALITY AND ARE IN A HEALTHY GROWING CONDITION.
- PLANTS SHALL NOT BE PRUNED PRIOR TO DELIVERY UNLESS APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO SHIPMENT.
- ALL TREE PITS, SHRUB BEDS AND PREPARED PLANTING BEDS ARE TO BE COMPLETELY EXCAVATED IN ACCORDANCE WITH THE PLANTING DETAILS.
- TOPSOIL AMENDMENTS REQUIRED FOR SOIL MIXES SHALL BE PROVIDED BY CONTRACTOR AND APPROVED BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. CONTRACTOR MUST LOAD, HAUL, MIX AND SPREAD ALL TOPSOIL AND OTHER SOIL ADDITIVES AS REQUIRED ON SITE.
- CONTRACTOR SHALL VERIFY AND/ OR AMEND ALL PLANTING SOILS TO ENSURE PROPER SUITABILITY INCLUDING STATE RECOMMENDED QUANTITIES OF NITROGEN, PHOSPHORUS, AND POTASH NUTRIENTS AND SOIL AMENDMENTS TO BE ADDED TO PRODUCE QUALITY PLANTING SOIL FOR ALL PLANT MATERIAL TO SURVIVE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL PLANTING PITS PERCOLATE PROPERLY PRIOR TO PLANTING INSTALLATION.
- SHRUBS, BULBS, AND GROUNDCOVERS SHALL BE TRIANGULARLY SPACED AT SPACING SHOWN ON PLANTING PLANS AND/OR IN THE PLANT SCHEDULE.
- THE CONTRACTOR SHALL THE VERIFY EXTENT OF SEEDING OR SOD AREA WITH OWNER REPRESENTATIVE AND LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
- INSTALLATION OF PLANT MATERIAL TO BE COMPLETED BY CITY CREW AND WILL BEGIN UPON COMPLETION OF PARKING LOT AND HARDSCAPE.
- IRRIGATION LAYOUT AND PLAN BY OTHERS. NEW IRRIGATION LINES SHALL CONNECT TO THE EXISTING SYSTEM AND WATER SUPPLY AS INDICATED ON PLANS.
- CONTRACTOR TO DESIGN, PERMIT AND PROVIDE IRRIGATION SYSTEMS FOR CLAY COURTS AND LANDSCAPING IN ACCORDANCE WITH PROJECT SPECIFICATIONS.
- CONTRACTOR TO PROVIDE CONTINUOUS SUPPLY OF WATER FOR IRRIGATION SYSTEMS, TENNIS COURT AND LANDSCAPE AREAS, OUTSIDE OF THE PROJECT LIMITS AND COORDINATE ANY NECESSARY SLEEVES OR CONDUIT REQUIRED TO MAINTAIN THESE CONNECTIONS PRIOR TO INSTALLATION OF HARDSCAPE

TREE INSTALLATION NOTES

- ALL TREES SHALL MEET AMERICAN STANDARD FOR NURSERY STOCK (ANSI, 1990, PART 1, "SHADE AND FLOWERING TREES").
- TREES SUPPLIED MUST HAVE BEEN PROPERLY PLANTED AND GROWN IN THE NURSERY. THE ROOT CROWN (ALSO CALLED THE TRUNK FLARE) SHALL BE EVIDENT NEAR THE TOP OF THE GROUND. ANY EXCESS SOIL, UP TO 3 INCHES COVERING THE CROWN WILL HAVE TO BE REMOVED CAREFULLY BY HAND, IN ORDER TO PREVENT ROOT SCRAPES. THE TREE IS THEN TO BE PLANTED WITH THE ROOT CROWN IN PROPER RELATION TO THE SURROUNDING GRADE. ANY TREES WITH MORE THAN 3 INCHES OF SOIL ON TOP OF THE ROOT CROWN WILL BE REJECTED. THE NURSERY OWNERS MAY DIG OVERSIZE BALLS AND REMOVE THE SOIL IN ORDER FOR THE ROOT SYSTEM DIAMETER (WHICH IS THE REQUIRED ROOT BALL DIAMETER) TO MEET THE SPECIFICATION FOR THE TRUNK CALIPER REQUIRED.
- BALL AND BURLAPPED (B&B) PLANTS MUST HAVE FIRM, NATURAL BALLS OF EARTH, OF DIAMETER NOT LESS THAN RECOMMENDED IN THE "TREE AND SHRUB TRANSPLANTING MANUAL", AND BE OF SUFFICIENT DEPTH TO INCLUDE THE FIBROUS AND FEEDING ROOTS. PLANTS MOVED WITH A BALL WILL NOT BE ACCEPTED IF THE BALL IS DRY, CRACKED OR BROKEN BEFORE OR DURING PLANTING OPERATIONS.
- REMOVE ALL TREATED OR PLASTIC-COATED BURLAP, STRAPPING, WIRE OR NYLON TWINE FROM ROOT BALL. AFTER SETTING IN HOLE, CUT AWAY 2/3 OF WIRE BASKET, IF ANY, AND TOP 1/3 OF BURLAP.
- SOAK ROOT BALL AND PIT IMMEDIATELY AFTER INSTALLATION.
- CONSTRUCT 4" HIGH SAUCER (WATER BERM) OUTSIDE OF PLANT MIX BACK FILL.
- WHERE TREES ARE PLANTED IN ROWS, THEY SHALL BE UNIFORM IN SIZE AND SHAPE.
- NO EXISTING TREES SHALL BE REMOVED WITHOUT WRITTEN AUTHORIZATION FROM THE OWNER REPRESENTATIVE EXCEPT WHERE NOTED ON PLANS. NO GRUBBING SHALL OCCUR WITHIN EXISTING TREE AREAS.
- THE CONTRACTOR SHALL STAKE THE LOCATIONS OF ALL PROPOSED TREES AND OBTAIN APPROVAL FROM THE LANDSCAPE ARCHITECT AND OWNER REPRESENTATIVE PRIOR TO INSTALLATION.
- ALL TREES SHALL BE STAKED AT TIME OF INSTALLATION IN ACCORDANCE WITH PLANTING DETAILS.
- THE CONTRACTOR SHALL ENSURE THAT TREES REMAIN VERTICAL AND UPRIGHT FOR THE DURATION OF THE GUARANTEE PERIOD.
- STAKES FOR TREE SUPPORT SHALL BE CONSTRUCTED OF 2"x2" x18' UNTREATED PINE. GUYING FABRIC SHALL BE 'ARBOR TAPE', AS MANUFACTURED BY NEPTCO, PAWTUCKET, RI. (401) 722-5500 (OR APPROVED EQUAL). COLOR SHALL BE OLIVE DRAB.

SHRUB INSTALLATION NOTES

- CUT ROOTS AS NECESSARY IN CONTAINERIZED PLANTS THAT ARE POT BOUND. REJECT PLANTS THAT HAVE GIRDLED ROOT OR ARE BOUND.
- INSTALL TOP OF PLANT BALL 2" ABOVE ADJACENT GRADE.
- TAMP PLANT SOIL MIX FIRMLY IN 8" LIFTS AROUND PLANT BALL.
- SOAK PLANT BALL AND PIT IMMEDIATELY AFTER INSTALLATION.

ALL DESIGN SKETCHES, DRAWINGS, SPECIFICATIONS, MODELS AND SAMPLES ARE THE EXCLUSIVE PROPERTY OF THE H. CHAMBERS COMPANY. WHETHER THE JOB FOR WHICH THEY ARE MADE IS EXECUTED OR NOT UNAUTHORIZED USE OF THESE DESIGNS ETC. FOR ANY OTHER PURPOSE IS PROHIBITED.

CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND CONDITIONS ON THE JOB, INCLUDING BUILDING, ELEVATOR AND CORRIDOR CLEARANCES WHERE JOB CONDITIONS PREVENT OBTAINING DIMENSIONS OR RESULTS AS SHOWN OR SPECIFIED. CHECK WITH THE H. CHAMBERS COMPANY BEFORE PROCEEDING WITH THE WORK.

Issue

TYPE	DATE
SCHEMATIC DESIGN	12.18.13
DESIGN DEVELOPMENT	05.23.14
70% CD	-
PERMIT SET	7.25.14
FOR BID	7.25.14

Revisions

NO.	TYPE	DATE
1	TRC response edits	07.08.14
2	TRC - Move LA Island Tree	09.26.14



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FAMILY ACTIVITY CENTER - CAPE FEAR COUNTRY CLUB

Sheet Title

LANDSCAPE DETAILS

Scale: 1" = 10' - 0"

Date: 7.25.14

Drawn By: SLB

Checked By: SLB

Job No.:

Sheet Number 20150725.00.WL



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