

LANDSCAPE SPECIFICATIONS

1. GENERAL LANDSCAPE REQUIREMENTS

LANDSCAPE CONTRACT WORK INCLUDES, BUT IS NOT LIMITED TO, SOIL PREPARATION, FINE OR FINISH GRADING, FURNISHING AND INSTALLING PLANT MATERIAL, WATERING, STAKING, GUYING AND MULCHING.

PLANT SIZE AND QUALITY

TREES, PALMS, SHRUBS, GROUNDCOVERS:

PLANT SPECIES AND SIZES SHALL CONFORM TO THOSE INDICATED ON THE DRAWINGS. NOMENCLATURE SHALL CONFORM TO STANDARD PLANT NAMES, 1942 EDITION. ALL NURSERY STOCK SHALL BE IN ACCORDANCE WITH GRADES AND STANDARDS FOR NURSERY PLANTS, PARTS 1 & 11, LATEST EDITION PUBLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES. UNLESS SPECIFIED OTHERWISE, ALL PLANTS SHALL BE FLORIDA GRADE NUMBER 1 OR BETTER AS DETERMINED BY THE FLORIDA DIVISION OF PLANT INDUSTRY.

ALL CONTAINER GROWN MATERIAL SHALL BE HEALTHY, VIGOROUS, WELL-ROOTED PLANTS AND ESTABLISHED IN THE CONTAINER IN WHICH THEY ARE SOLD. THE PLANTS SHALL HAVE TOPS OF GOOD QUALITY AND BE IN A HEALTHY GROWING CONDITION.

AN ESTABLISHED CONTAINER GROWN PLANT SHALL BE TRANSPLANTED INTO A CONTAINER AND GROWN IN THAT CONTAINER SUFFICIENTLY LONG ENOUGH FOR THE NEW FIBRUS ROOTS TO HAVE DEVELOPED SO THAT THE ROOT MASS WILL RETAIN ITS SHAPE AND HOLD TOGETHER WHEN REMOVED FROM THE CONTAINER.

STANDARD PLANTING MIXTURE SHALL BE ONE (1) PART RECYCLED ORGANIC MATERIAL ADDED TO THREE (3) PARTS EXISTING NATIVE SOIL.

REPLACEMENT SOIL SHALL BE USED AS SPECIFIED TO REPLACE EXISTING SOILS THAT ARE DETERMINED BY THE LANDSCAPE ARCHITECT TO BE UNSUITABLE FOR PLANTING, IE. ROAD BASE, PAVEMENT, ETC. REPLACEMENT SOIL MIX SHALL CONTAIN 60% SAND AND 40% MUCK. SAND SHALL BE 100% CLEAN NATIVE SAND SCREENED TO 1/4" AND MUCK SHALL BE 100% CLEAN ORGANIC NATIVE MUCK SCREENED TO 1/2". ALL SOIL SHALL BE MIXED PRIOR TO DELIVERY ON SITE.

MULCH SHALL BE SHREDED MELALEUCA, EUCALYPTUS OR GRADE "A" RECYCLED. ALL MULCH IS TO BE APPLIED TO A DEPTH OF 3" EXCEPT AS OTHERWISE NOTED.

FERTILIZER IN BACKFILL MIXTURE FOR ALL PLANTS SHALL CONSIST OF MORGANITANE ACTIVATED SLUDGE MIXED WITH THE BACKFILL AT A RATE OF NOT LESS THAN 50 LBS. PER CUBIC YARD.

FERTILIZER FOR TREES AND SHRUBS MAY BE TABLET FORM OR GRANULAR. GRANULAR FERTILIZER SHALL BE UNIFORM IN COMPOSITION, DRY AND FREE-FLOWING. THIS FERTILIZER SHALL BE DELIVERED TO THE SITE IN THE ORIGINAL UNOPENED BAGS, EACH BEARING THE MANUFACTURER'S STATEMENT OF ANALYSIS, AND SHALL MEET THE FOLLOWING REQUIREMENTS: 16% NITROGEN, 7% PHOSPHORUS, 12% POTASSIUM. TABLET FERTILIZER (SUGARFORM OR EQUAL) IN 1/4" GRAM SIZE SHALL MEET THE FOLLOWING REQUIREMENTS: 20% NITROGEN, 16% PHOSPHORUS AND 5% POTASSIUM.

FERTILIZER WILL BE APPLIED AT THE FOLLOWING RATES:

PLANT SIZE	16-7-12	AGRIFORM TABLETS (21 GRAM)
1 GAL.	1/4 LB.	1
3 GAL.	1/2 LB.	3
7-15 GAL.	1 LB.	7
1'-6" CALIPER	2 LBS./1" CALIPER	2 PER 1" CALIPER
6" AND LARGER	3 LBS./1" CALIPER	3 PER 1" CALIPER

"FLORIDA EAST COAST PALM SPECIAL" SHALL BE APPLIED TO ALL PALMS AT INSTALLATION AT A RATE OF 1/4 LB. PER INCH OF TRUNK UNLESS OTHERWISE SPECIFIED.

FIELD GROWN TREES AND PALMS PREVIOUSLY ROOT PRUNED SHALL OBTAIN A ROOT BALL WITH SUFFICIENT ROOTS FOR CONTINUED GROWTH WITHOUT RESULTING SHOCK.

CONTRACTOR SHALL NOT MARK OR SCAR TRUNK IN ANY FASHION.

PLANTS SHALL BE WATERED AS NECESSARY OR WITHIN 24 HOURS AFTER NOTIFICATION BY THE LANDSCAPE ARCHITECT.

THE LOCATIONS OF PLANTS, AS SHOWN IN THESE PLANS, ARE APPROXIMATE. THE FINAL LOCATIONS MAY BE ADJUSTED TO ACCOMMODATE UNEXPECTED CONDITIONS. MAJOR ADJUSTMENTS TO THE LAYOUT ARE TO BE APPROVED BY THE LANDSCAPE ARCHITECT.

ALL PLASTIC FABRIC SHALL BE REMOVED FROM PLANT MATERIAL AT TIME OF INSTALLATION.

ALL TREES MUST BE STAKED AS SHOWN ON THE PLANTING DETAILS WITHIN 24 HOURS OF PLANTING. STAKES TO REMAIN FOR A MINIMUM OF 9 MONTHS, BUT NO LONGER THAN 18 MONTHS. CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE AND REMOVAL OF THE STAKES.

ALL TREES MUST BE PRUNED AS PER LANDSCAPE ARCHITECT'S DIRECTION. SABAL PALMS MAY BE HURRICANE CUT.

ALL SHRUBS, TREES AND GROUND COVER WILL HAVE IMPROVED SOIL AS PER PLANTING SOIL NOTES. THE SOILS SHALL BE PLACED IN THE HOLE DURING PLANTING. TOP DRESSING ONLY IS NOT ACCEPTABLE.

DO NOT ALLOW AIR POCKETS TO FORM WHEN BACKFILLING. ALL TREES SHALL BE SPIKED IN UTILIZING WATER AND A TREE BAR.

THE LANDSCAPE CONTRACTOR SHALL WATER, MULCH, WEED, PRUNE, AND OTHERWISE MAINTAIN ALL PLANTS, INCLUDING SOD, UNTIL COMPLETION OF CONTRACT OR ACCEPTANCE BY LANDSCAPE ARCHITECT. SETTLED PLANTS SHALL BE RESET TO PROPER GRADE, PLANTING SAUCERS RESTORED, AND DEFECTIVE WORK CORRECTED.

THE LANDSCAPE CONTRACTOR SHALL AT ALL TIMES KEEP THE PREMISES FREE FROM ACCUMULATION OF WASTE MATERIALS OR DEBRIS CAUSED BY HIS CREWS DURING THE PERFORMANCE OF THE WORK. UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL PROMPTLY REMOVE ALL WASTE MATERIALS, DEBRIS, UNUSED PLANT MATERIAL, EMPTY PLANT CONTAINERS AND ALL EQUIPMENT FROM THE PROJECT SITE.

UPON COMPLETION OF THE WORK, THE LANDSCAPE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT AND REQUEST A FINAL INSPECTION. ANY ITEMS THAT ARE DEEMED INCOMPLETE OR UNACCEPTABLE BY THE LANDSCAPE ARCHITECT OR OWNER'S REPRESENTATIVE SHALL BE CORRECTED BY THE LANDSCAPE CONTRACTOR WITHIN 14 DAYS.

ALL LABOR AND MATERIAL FOR SOIL AMENDMENTS AND FERTILIZER THAT IS REQUIRED TO INSURE THE SUCCESSFUL ESTABLISHMENT AND SURVIVAL OF THE PROPOSED VEGETATION, AS WELL AS ALL THE COST FOR THE REMOVAL OF UNSUITABLE OR EXCESS BACKFILL MATERIAL, SHALL BE INCLUDED IN THE CONTRACTOR'S BID TO PERFORM THE WORK REPRESENTED IN THIS PLAN SET.

PLANT LIST

TREES	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL	SIZE	NATIVE	REMARKS
BA	4	BULNESIA ARBOREA ^	VERAWOOD	65 gal	3" Cal	12'-14" HT, 6'-8" SPRD	NATIVE	SINGLE STRAIGHT TRUNK, FULL CANOPY.
LJ	2	LIGUSTRUM JAPONICUM ~ ^	JAPANESE PRIVET	25 gal	MULTI TRUNK	6' HT., 6' SPD.	NATIVE	FULL CANOPY, MULTI-STEM, LIMB UP
PE	4	PINUS ELLIOTTI 'DENSA'	N.A.	N.A.	N.A.	14'-16" HT., 6'-8" SPD.	Y	FULL & THICK
QV*	44	QUERCUS VIRGINIANA	LIVE OAK	65 GAL.	5-6" Cal	14'-15" O.A. X 7'-9" SPRD.	Y	FULL CANOPY, 5' C.T. MIN.
TAB	11	TABEBUJA CARAIBA ~	SILVER TRUMPET	N.A.	3" Cal	12'-14" HT., 6' SPD.	NATIVE	FULL CANOPY, CHARACTER
TIB	1	TIBOUCHINA GRANULOSA ~	PURPLE GLORY TREE	45 gal	2.5" Cal	8'-9" O.A.	N	FULL CANOPY, SYMMETRICAL
ACCENT	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL	SIZE	NATIVE	REMARKS
TR	2	THRINAX RADIATA ~ * ^	THATCH PALM	25 gal	N.A.	6' HT. X 5-6' SPRD.	NATIVE	FULL & THICK
MITIGATION TREES	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL	SIZE	NATIVE	REMARKS
PE-M	48	PINUS ELLIOTTI 'DENSA'	SLASH PINE	N.A.	N.A.	12'-14" HT, X 5' SPRD.	NATIVE	FULL & THICK
PALM TREES	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL	SIZE	NATIVE	REMARKS
BN	1	BISMARKIA NOBILIS 'SILVER SELECT'	SILVER BISMARK PALM	FIELD GROWN	N.A.	8' G.W.	NATIVE	FULL CANOPY, SUN GROWN, FLORIDA FANCY
PT	5	PTYCHOSPERMA ELEGANS	ALEXANDER PALM	N.A.	N.A.	14' C.T.	NATIVE	FULL CANOPY, DOUBLE TRUNK
SP	41	SABAL PALMETTO ~ * ^	CABBAGE PALM	B & B	N.A.	10', 14', 18', 24' C.T, STGG	NATIVE	STAGGERED HEIGHTS, SLICK TRUNK
SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACE	NATIVE	REMARKS
APN	8	AECHMEA x 'PINOT NOIR'	PINOT NOIR BROMELIAD	3 gal	2' X 2'	A.S.	N	FULL SUN, SYMMETRICAL
CLP	6	CRINUM AUGUSTUM 'QUEEN EMMA'	PURPLE CRINUM LILY	15 gal	3' X 3'	A.S.	N	FULL & THICK
SA	85	SCHIEFLERIA ARBORICOLA	GREEN ARBORICOLA	7 gal	2' X 2'	2.5' O.C.	N	FULL & THICK
ZF	7	ZAMIA PUMILA	COONTIE PALM	15 gal	2.5' X 2.5'	A.S.	Y	FULL & THICK
LARGE SHRUB	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACE	NATIVE	REMARKS
CL7	394	CHRYSOBALANUS ICACO 'RED TIP' *	COCCOPLUM	7 gal	3' HT, 3' SPRD	42" O.C.	Y	FULL & THICK
CL2	31	CLUSIA GUTTIFERA*	CLUSIA GUTTIFERA*	15 GAL.	5' HT X 3' SPD	A.S.	Y	FULL & THICK, FLORIDA FANCY
P07	51	PODOCARPUS MAKII	PODOCARPUS	7 gal	4' X 2.5'	2' O.C.	N	FULL & THICK
MEDIUM SHRUB	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACE	NATIVE	REMARKS
MF	149	MYRCIANTHES FRAGRANS	SIMPSON STOPPER	3 gal	2' X 2'	3' O.C.	Y	FULL & THICK
MEDIUM SHRUB	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACE	NATIVE	REMARKS
MF2	270	MYRCIANTHES FRAGRANS	SIMPSON STOPPER	3 gal	2' PLANTED X 2' SPRD.	2.5' O.C.	Y	FULL & THICK
SMALL SHRUB	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACE	NATIVE	REMARKS
HPC	385	HAMELIA PATENS COMPACTA	DWARF FIREBUSH	3 gal	1.5' X 1.5'	2' O.C.	Y	FULL & THICK
SB	440	SPARTINA BAKERI	SAND CORD GRASS	3 gal	1.5' X 1.5'	2' O.C.	Y	FULL & THICK
GROUND COVERS	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACE	NATIVE	REMARKS
BF	24	ASPARAGUS DENSIFLORUS	BOTTLE FERN	3 gal	1.5' X 1.5'	1.5' O.C.	N	FULL & THICK
FG	163	FICUS MACROPHYLLA 'GREEN ISLAND'	GREEN ISLAND FICUS	3 gal	1.5' X 1.5'	2' O.C.	N	FULL & THICK
IV	59	ILEX VOMITORIA 'STOKES DWARF'	DWARF YALPON HOLLY	3 gal	12" X 12"	2' O.C.	Y	FULL & THICK
JP	198	JUNIPERUS CHINENSIS 'PARSONII'	PARSONI JUNIPER	3 gal	12" X 18"	2' O.C.	N	FULL & THICK
SOD/SEED	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACE	NATIVE	REMARKS
SOD2	32,670 sf	PASPALUM NOTATUM	BAHIA GRASS	sod				CLEAN AND WEED FREE
SOD1	19,672 sf	STENOTAPHRUM SECUNDATUM	ST. AUGUSTINE GRASS	sod				CLEAN AND WEED FREE

LANDSCAPE NOTES

ALL PROPOSED PLANT MATERIAL SHALL BE FLORIDA NUMBER 1 OR BETTER AS DESCRIBED IN GRADES AND STANDARDS FOR NURSERY PLANTS, PARTS 1 AND 11, LATEST EDITION PUBLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICE.

ALL PLANTED AREAS SHALL RECEIVE A 3" LAYER OF SHREDDED MULCH.

ALL PLANT MATERIAL SHALL BE PRUNED, IF NEEDED, TO ACHIEVE THE SHAPE AND FORM CHARACTERISTIC TO THEIR DESIGN INTENT. PRUNING TO BE IN STRICT ACCORDANCE WITH ISA STANDARDS.

ALL SOD OR SEED SHALL BE CERTIFIED (IF APPLICABLE) AND WEED AND INSECT FREE.

CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING EXISTING UTILITIES OR OTHER OBSTRUCTIONS WHICH MAY INTERFERE WITH PLANT INSTALLATION.

CALL SUNSHINE ONE CALL SERVICE FOR UNDERGROUND UTILITY LOCATIONS 48 HOURS PRIOR TO ANY EXCAVATION OF DIGGING 1-800-432-4470.

LANDSCAPE AND/OR SOD SHALL BE PLACED TO THE EDGE OF PAVEMENT FROM VEHICULAR AREAS, ADJACENT TO CANAL BANKS, LAKES OR OTHER LANDSCAPE AREAS.

ALL MECHANICAL EQUIPMENT, IRRIGATION PUMPS, TRANSFORMERS, POOL PUMPS, ECT., SHALL BE SCREENED ON A MINIMUM OF THREE SIDES BY LANDSCAPE SHRUBS.

CORNER CLIP AND VISIBILITY TRIANGLES SHALL BE MAINTAINED FOR CLEAR SIGN VISIBILITY FROM THIRTY (30) INCHES TO EIGHT FEET HIGH (TREE AND PALM TRUNKS EXCLUDED).

ROOT BARRIERS SHALL BE INSTALLED WHERE REQUIRED BY LOCAL UTILITY COMPANY OR OTHER REGULATING AGENCIES.

WHERE FICUS SPECIES ARE USED, APPROPRIATE SETBACKS AND SAFEGUARDS (ROOT BARRIERS) SHALL BE REQUIRED.

ALL TREES AND PALMS SHALL BE STAKED/GUYED IN ACCORDANCE WITH THE SPECIFICATIONS AND PLANTING DETAILS.

ALL PLANTING BEDS SHALL BE SHAPED AND SLOPED TO PROVIDE PROPER DRAINAGE.

LOCAL UTILITY AND FIRE RESCUE CLEARANCE ZONES SHALL BE PROVIDED AROUND ALL ABOVE GROUND OR AT GRADE METERS AND EQUIPMENT.

STREET TREE LOCATIONS SHALL BE COORDINATED WITH DRIVEWAYS, STREET LIGHTS, UTILITIES AND FIRE HYDRANTS.

THERE SHALL BE A MINIMUM SIX FEET SEPARATION BETWEEN LANDSCAPE AND UTILITIES. LANDSCAPE PLANTING SHALL BE IN CONFORMANCE WITH FPL GUIDELINES FOR SETBACKS FROM OVERHEAD UTILITY LINES.

ALL PLANTING AREA SHALL BE EXCAVATED TO A DEPTH OF 30" MINIMUM AND BACKFILLED WITH A SOIL MIX CONSISTING OF 1/2 NATIVE SOIL, 1/2 CLEAN SAND AND 1/2 COMPOSED COW MANURE OR COMPARABLE COMPOSED ORGANIC MATERIAL.

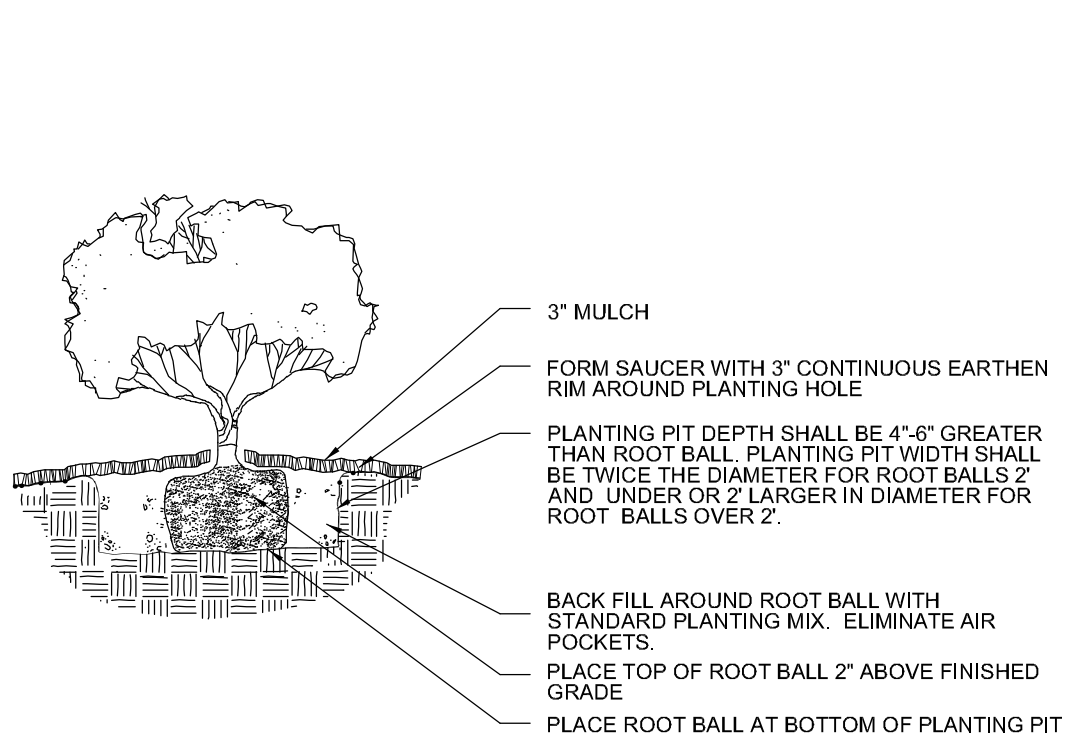
EASEMENTS SHALL NOT ENCRoACH LANDSCAPE BUFFERS MORE THAN FIVE FEET.

FOOT TYPE D OR F CURBS SHALL BE PROVIDED ALONG THE PERIMETER OF ALL LANDSCAPE, OPEN SPACE, ADJACENT AND GRADED AREAS ADJACENT TO PAVED VEHICULAR USE AREAS, EXCEPT WHERE WHEEL STOPS ARE PROVIDED.

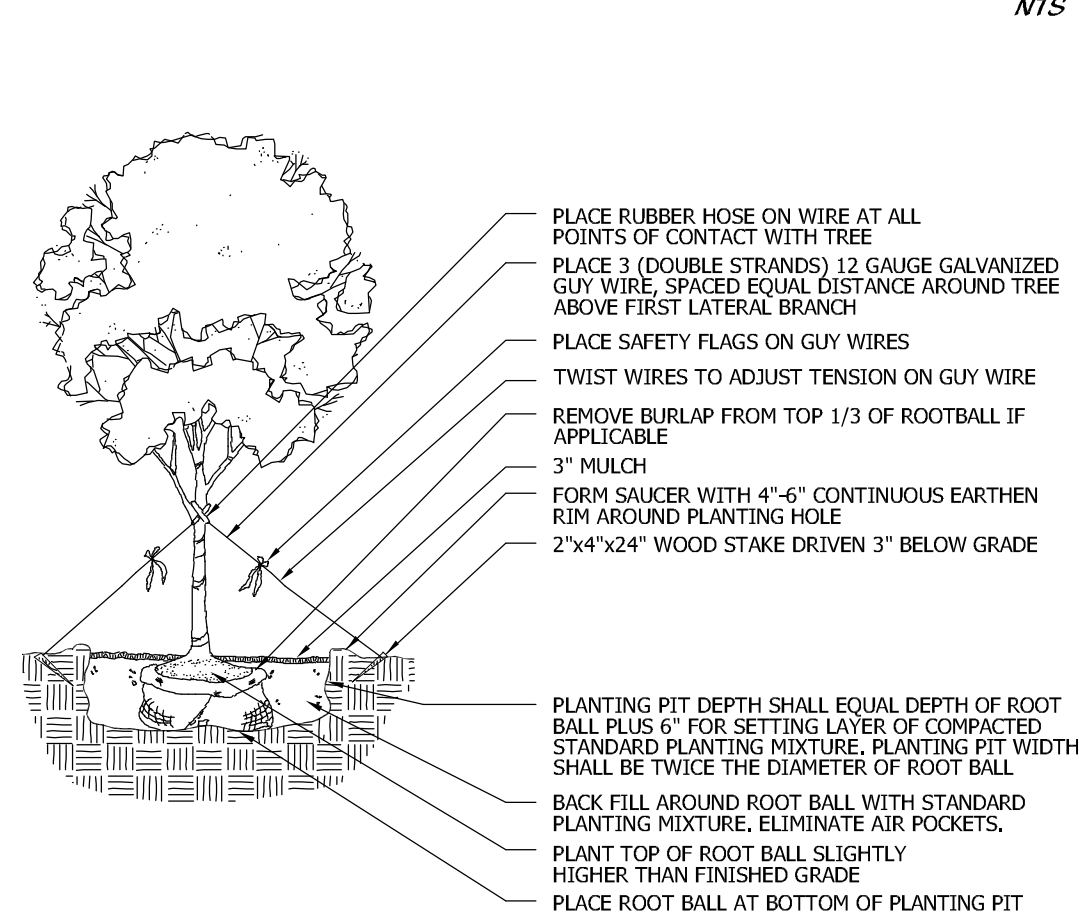
CORNER CLIPS AND VISIBILITY TRIANGLES SHALL BE MAINTAINED CLEAR OF VEGETATION TO PROVIDE UNOBSTRUCTED VISIBILITY BETWEEN 30" AND 8" ABOVE CROWN OF PAVEMENT.

LIGHT POLES, FIRE HYDRANTS, ELECTRICAL/MECHANICAL EQUIPMENT, SIGNS, DRAINAGE STRUCTURES, ECT., SHALL BE INTERFERED WITH LANDSCAPING IN TERMINAL ISLANDS, INTERIOR ISLANDS, MEDIANS, DIAMONDS, BUFFERS OR OTHER LANDSCAPE AREAS.

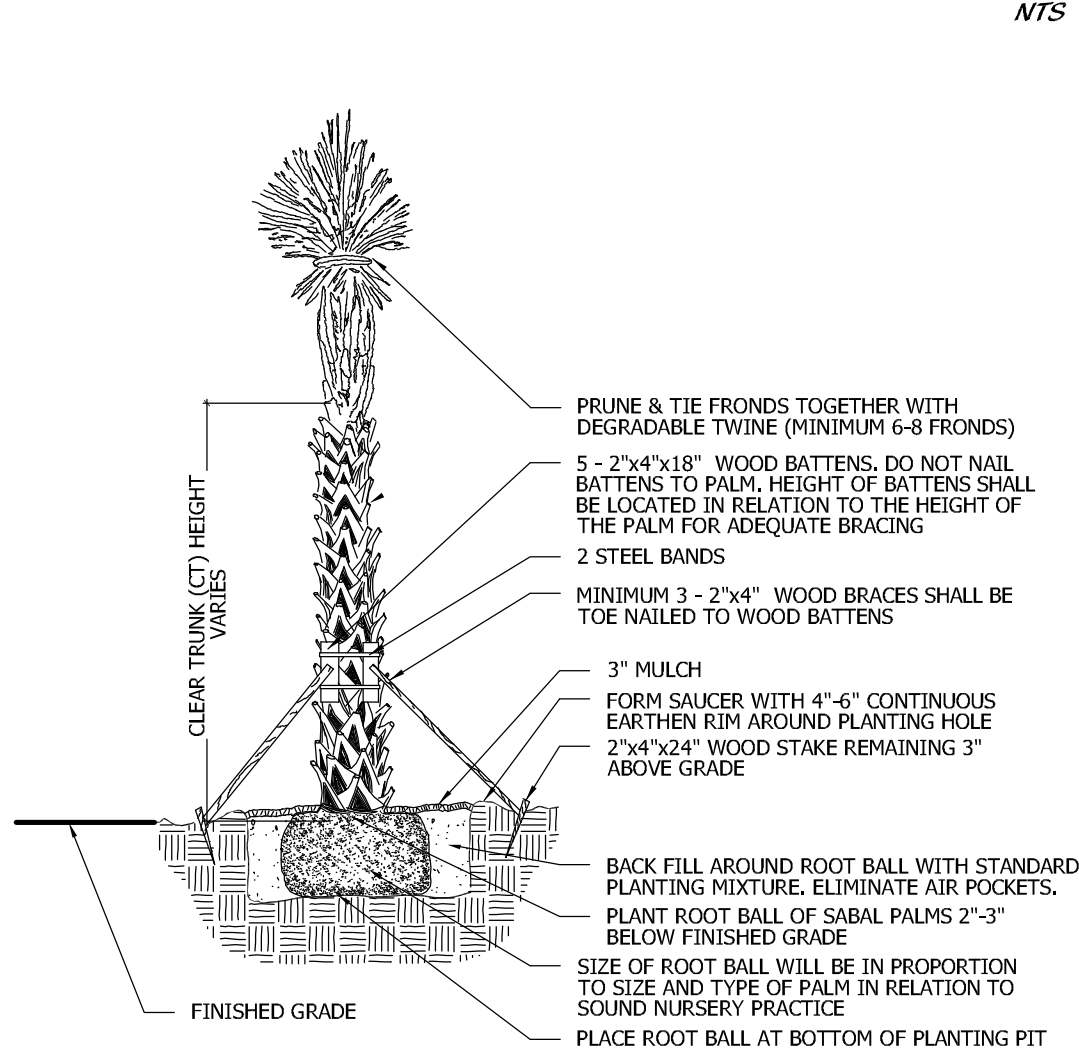
PLANTING DETAILS



SHRUB/GROUNDCOVER PLANTING DETAIL



LARGE TREE PLANTING DETAIL

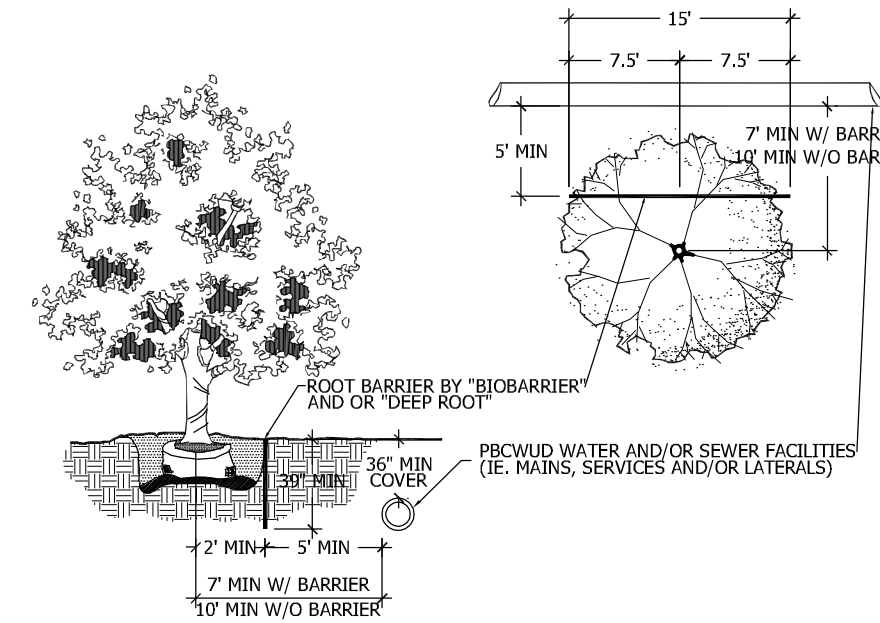


PALM PLANTING DETAIL



LANDSCAPE AND ROOT BARRIER NOTE:
TREES SHOWN ON THIS PLAN ARE FOR GRAPHIC REPRESENTATION ONLY. TREE SPACING IS BASED ON DESIGN REQUIREMENTS AND THE TREES SHOWN ON THESE PLANS ATTEMPT TO ACCOMPLISH THAT SPACING WHILE MAINTAINING THE REQUIRED SETBACKS FROM UTILITIES. TREES MAY BE FIELD ADJUSTED TO AVOID CONFLICTS WITH DRIVEWAYS AND UNDERGROUND UTILITIES. IN ANY CASE THE TREES SHALL BE LOCATED IN THE FIELD IN ACCORDANCE WITH THE PLANTING DETAILS SHOW HEREON.

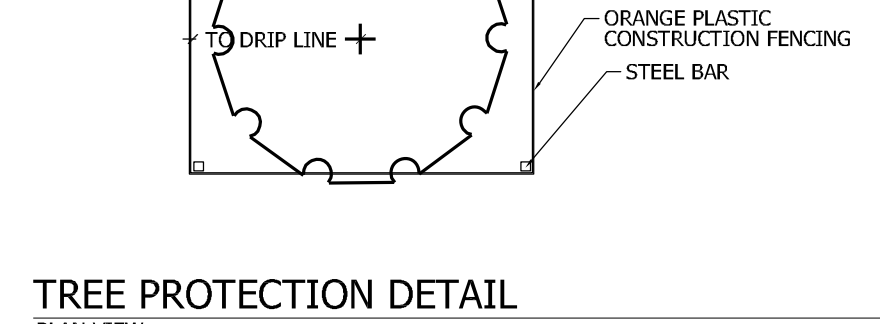
ADDITIONALLY, TREES ARE TO BE INSTALLED WITH A TEN FOOT (10') SEPARATION FROM ANY WATER OR SEWER MAIN AND/OR SERVICE, HYDRANTS, AND LIFT STATIONS. IF A TEN FOOT (10') SEPARATION CANNOT BE ACHIEVED, THE TREE CAN BE INSTALLED WITH A ROOT BARRIER SYSTEM. REFER TO THE "ROOT BARRIER" DETAIL FOR INSTALLATION REQUIREMENTS. HOWEVER, IN NO CASE SHALL A TREE ENCRoACH INTO A PROBE WITHOUT PRIOR PROVIDE APPROVAL AND ONLY SOD CAN BE INSTALLED WITHIN 7.5' OF A FIRE HYDRANT UNLESS OTHERWISE APPROVED BY THE FIRE DEPARTMENT.



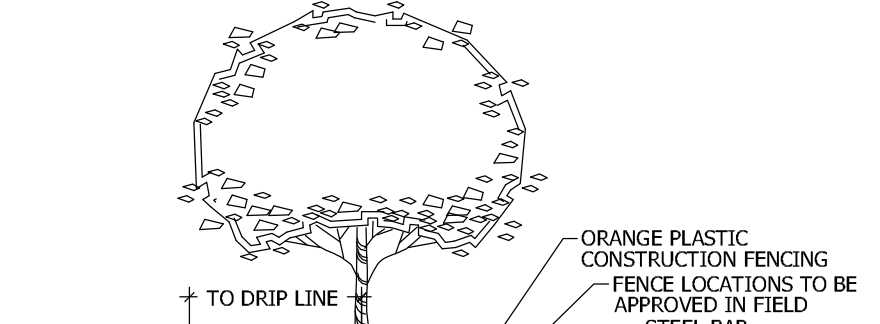
ROOT BARRIER DETAIL



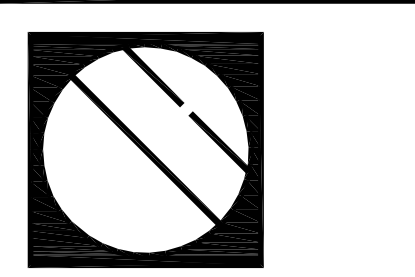
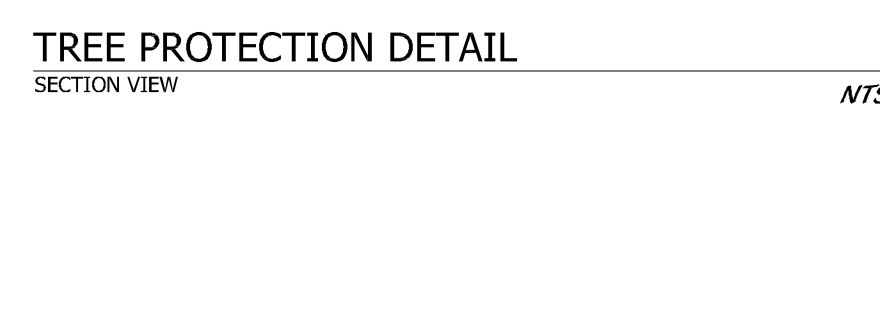
TREE PROTECTION DETAIL



TREE PROTECTION DETAIL



TREE PROTECTION DETAIL



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Florence Fuller Child Development Center
 Landscape Details
 Palm Beach County, Florida

DESIGNED	EP
DRAWN	EP
APPROVED	DEH
JOB NUMBER	12-0601
DATE	10-03-16
REVISIONS	

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