PLANTING SPECIFICATIONS

THE WORK INCLUDES FURNISHING ALL PLANS, MATERIALS, EQUIPMENT, AND LABOR NECESSARY FOR PLANTING OF PLANT MATERIALS INDICATED ON THE DRAWINGS AND IN

II. PLANT MATERIALS

A. PLANT LIST

A LIST OF PLANT MATERIALS IS INCLUDED WITHIN THESE DRAWINGS.

B. QUANTITIES

1. QUANTITIES NECESSARY TO COMPLETE THE PLANTING ARE INDICATED WITHIN 2. THE CONTRACTOR SHALL NOT BE RELIEVED OF THE RESPONSIBILITY OF OBTAINING SPECIFIED MATERIALS IN ADVANCE IF SPECIAL GROWING CONDITIONS OR OTHER ARRANGEMENTS MUST BE MADE IN ORDER TO SUPPLY SPECIFIED MATERIALS.

3. PLANT QUANTITIES ARE PROVIDED ONLY FOR THE CONVENIENCE OF LANDSCAPE CONTRACTOR. IN ALL CASES, THE PLANS SHALL HAVE PRECEDENCE OVER THE PLANT LIST IN QUANTITY AND AREA COVERAGE. ANY DICREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR CHECKING THE PLANS FOR PLANT QUANTITIES

C. QUALITY AND SIZE

1. PLANTS SHALL HAVE A HABIT OF GROWTH THAT IS NORMAL FOR THE SPECIES AND SHALL BE HEALTHY, VIGOROUS, AND EQUAL FOR EXCEED THE MEASUREMENTS SPECIFIED IN THE PLANT LIST, WHICH ARE MINIMUM ACCEPTABLE SIZES. THEY HALL BE MEASURED BEFORE PRUNING WITH BRANCHES IN NORMAL POSITION ANY NECESSARY PRUNING SHALL BE DONE AT THE PLACE OF GROWTH PRIOR TO TRANSPLANTING. REQUIREMENTS FOR MEASUREMENTS, BRANCHING, GRADING, QUALITY, BALLING AND BURLAPPING OR PLANTS IN THE PLANT LIST SHALL FOLLOW THE FLORIDA 'GRADES AND STANDARDS FOR NURSERY STOCK. FOR FLORIDA NO. 1 OR BETTER AS OUTLINED IN THE 'GRADES AND STANDARDS FOR NURSERY PLANTS", PUBLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES. PLANTS THAT MEET THE REQUIREMENTS SPECIFIED, BUT DO NOT HAVE THE NORMAL BALANCE OF HEIGHT AND SPREAD TYPICAL FOR THE RESPECTIVE PLANT, SHALL NOT BE ACCEPTED

2. ALL PLANT MATERIAL SHALL BE FLORIDA NO. 1 GRADE OR BETTER AS GIVEN IN THE CURRENT "GRADES AND STANDARDS FOR NURSERY PLANTS, PREPARED BY THE STATE OF FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES.

3. TREE CALIPER (TRUNK DIAMETER) SHALL BE MEASURED AT A POINT WHICH IS AT LEAST FOUR AND ONE-HALF (4 1/2) FEET (DBH) ABOVE EXISTING GRADE LEVEL OR AS DICTATED BY CITY/COUNTY/OR OTHER REGULATING AGENCY TO CONFORM WITH CODE REQUIREMENTS. THE MOST RESTRICTIVE CRITERIA FOR CALIPER MEASUREMENT SHAL APPLY. IF THEIR ARE ANY QUESTIONS OR CONFLICTS IN THE CODE, NOTIFY LANDSCAPE ARCHITECT IMMEDIATELY FOR RESOLUTION.

4. PALM CALIPER SHALL BE MEASURED AS REQUIRED BY APPLICABLE JURISDICTIONAL CODES (DBH OR OTHERWISE)

5. ALL PLANT MATERIALS SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE LANDSCAPE ARCHITECT AT PLACE OF GROWTH AND UPON DELIVERY FOR CONFORMITY TO SPECIFICATIONS.

6. ALL PLANTS SHALL BE TRUE TO SPECIES AND VARIETY AND SHALL CONFORM TO MEASUREMENTS SPECIFIED EXCEPT THAT PLANTS LARGER THAN SPECIFIED MAY BE USED IF APPROVED BY THE LANDSCAPE ARCHITECT. NO PLANTS SHALL BE ACCEPTED MEASURING LESS THAN ANY OF THE SPECIFIED REQUIREMENTS.

7. UNLESS OTHERWISE NOTED, ALL PLANTS SHALL BE EXCEPTIONALLY HEAVY, SYMMETRICAL, TIGHTLY KNIT, AND SO TRAINED OR FAVORED IN DEVELOPMENT AND APPEARANCE AS TO BE SUPERIOR TO FORM, NUMBER OF BRANCHES, COMPACTNESS, AND SYMMETRY.

D. SUBSTITUTIONS

SUBSTITUTIONS WILL BE PERMITTED ONLY UPON AUTHORIZATION BY THE LANDSCAPE ARCHITECT. REPLACEMENT SHALL BE OF THE NEAREST EQUIVALENT OBTAINABLE SIZE AND VARIETY OF THE PLANT HAVING THE SAME ESSENTIAL CHARACTERISTICS WITH AN EQUITABLE ADJUSTMENT OF CONTRACT PRICE. SHOULD THE LANDSCAPE ARCHITECT DEEM IT APPROPRIATE AND SUBSTITUTE PLANT MATERIAL OTHER THAN THAT SPECIFIED, IT SHALL BE ACCOMPLISHED AS LONG AS THE UNIT PRICE OF THE SUBSTITUTED ITEM DOES NOT EXCEED THE BID ITEM BEING REPLACED.

## III. PLANTING A. LAYOUT

1. LOCATION FOR PLANTS AND OUTLINES OF AREAS TO BE PLANTED AS INDICATED ON THE PLAN. WHERE CONSTRUCTION OR UTILITIES BELOW GROUND OR OVERHEAD ARE ENCOUNTERED OR WHERE CHANGES HAVE BEEN MADE IN THE CONSTRUCTION,

2. ALL TREE LOCATIONS SHALL BE STAKED BY THE CONTRACTOR AND APPROVED BY THE LANDSCAPE ARCHITECT BEFORE BEGINNING INSTALLATION OR WORK. ALL PLANTS AND PLANT LOCATIONS SHALL BE APPROVED IN FIELD BY THE LANDSCAPE

B. GRADING

ARCHITECT PRIOR TO PLANTING.

1. CONTRACTOR SHALL VERIFY EXISTING GRADES AND DRAINAGE PATTERNS AND SHALL COORDINATE ALL GRADING, PARTICULARLY MOUNDING, WITH THE LANDSCAPE ARCHITECT. ALL NEW GRADING SHALL HAVE SMOOTH TRANSITIONS INTO EXISTING

2. GENERAL CONTRACTOR TO BRING ROUGH FINISH GRADE TO WITHIN 3" OF THE TOP OF WALK OR CURB GRADE. LANDSCAPE CONTRACTOR SHALL BE REQUIRED TO FILL AND GRADE TO 2" BELOW TOP OF WALK OR CURB IN ALL PLANTING AREAS. FINISH GRADE IN PLANTING AND SOD AREAS IS THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR. CONTRACTOR SHALL BE RESPONSIBLE FOR CALCULATING FILL AND PLANTING SOIL QUANTITIES NECESSARY TO COMPLY WITH THIS NOTE.

3. THE CONTRACTOR WILL CONSTRUCT EARTH BERMS IN THE LOCATIONS AND CONFIGURATIONS INDICATED ON THE PLANTING PLANS WITH TOPSOIL SUPPLIED BY THE CONTRACTOR. EARTH BERMS SHALL BE COMPACTED TO SUCH A DEGREE THAT THEY SUPPLY A STABLE PLANTING SITE CAPABLE OF SUPPORTING TREES. SHRUBS, GROUND COVERS, VINES, AND LAWN. ALL ROUGH AND FINISH GRADING OF EARTH BERMS SHALL ALSO BE THE RESPONSIBILITY OF THE CONTRACTOR. IN THE VICINITY OF EACH EARTH BERM THE CONTRACTOR SHALL REGRADE AS NECESSARY TO BLEND EACH EARTH BERM INTO THE GENERAL CONTRACTOR'S SURROUNDING FINISH GRADE. THE CONTRACTOR SHALL INSURE THAT HIS WORK DOES NOT INTERRUPT ESTABLISHED DRAINAGE PATTERNS. FINAL GRADE OR EARTH BERMS SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO PLANTING, SODDING,

4. THE CONTRACTOR SHALL COMPACT TOPSOIL WITH A ROLLER IMPARTING NO MORE THAN 2.5 LBS. PER SQUARE INCH. THE TOPSOIL SHALL BE ROLLED TWICE; THE FIRST PASS IS TO BE PERPENDICULAR TO THE SECOND. ANY IRREGULARITIES IN THE SURFACE RESULTING FROM TOPSOILING OR OTHER OPERATIONS SHALL BE CORRECTED IN ORDER TO PREVENT THE FORMATION OF DEPRESSIONS OR WATER

5. IMMEDIATELY PRIOR TO ANY TURF OR GROUND COVER WORK, THE CONTRACTOR WILL FINE GRADE THE TOPSOIL TO A SMOOTH, EVEN SURFACE ASSURING POSITIVE DRAINAGE OF NO LESS THAN 1 %. TURF WILL BE FLUSH TO THE TOP OF ADJACENT SIDEWALKS OR CURBS.

C. SOIL PREPARATION

1. TOPSOIL TO BE USED FOR SOIL MIXTURE SHALL BE CLEAN, FERTILE, WELL-DRAINED AND OF UNIFORM QUALITY FREE OF CLAY, STONES, WEEDS, ROOTS AND FOREIGN DEBRIS. TOPSOIL TO BE APPROVED BY THE LANDSCAPE ARCHITECT. STANDARD PLANTING MIX SHALL BE COMPRISED OF A 60/40 MIX (SAND/FLORIDA MUCK).

AMENDMENTS SHALL BE ADDED TO PLANTING MIX PER SOIL TESTS. THE PH SHALL BE MAINTAINED AT 6.5 TO 7.5. THE SOIL SHALL BE IN A RELATIVELY DRY STATE AND MIXED THOROUGHLY BY HAND OR ROTARY MIXER. ALL PLANTING SHALL BE COATED WITH AN APPROVED WEED KILLER ACCORDING TO THE MANUFACTURER'S

2. ALL PLANTS TO RECEIVE 20-10-5 FORMULA 21 GRAMS AGRIFORM PLANTING TABLETS OR WOODACE 18 GRAM BRIQUETTES (14-3-3 FORMULA) AND SHALL BE EVENLY DISTRIBUTED IN PLANT PITS NO DEEPER THAN 4 INCHES. RATES OF APPLICATION AND DIRECTIONS SHALL BE IN ACCORDANCE TO MANUFACTURER'S

D. SETTING TREES

1. CONTRACTOR SHALL VERIFY ALL EXISTING FACILITIES AND UNDERGROUND CONDITIONS PRIOR TO BEGINNING EXCAVATIONS OF TREE PITS AND PLANT BEDS

2. UNLESS OTHERWISE SPECIFIED, ALL TREES SHALL BE PLANTED IN PITS, CENTERED, AND SET ON SIX INCHES (6") OF COMPACTED TOPSOIL TOPSOIL TO SUCH DEPTHS THAT THE FINISHED GRADE LEVEL OF THE PLANT AFTER SETTLEMENT SHALL BE THE SAME AS THAT AT WHICH THE PLANT WAS GROWN. THEY SHALL BE PLANTED UPRIGHT AND FACED TO GIVE THE BEST APPEARANCE OR RELATIONSHIP TO GRADING. PLANTING SOIL SHALL BE PLACED AND COMPACTED THOROUGHLY AND SHALL BE SETTLED BY WATERING. NO FILLING AROUND TRUNKS WILL BE PERMITTED. AFTER THE GROUND SETTLES, ADDITIONAL SOIL SHALL BE FILLED INTO THE LEVEL OF THE FINISHED GRADE, ALLOWING THREE INCHES (3") OF MULCH TO FORM A SHALLOW SAUCER AROUND EACH PLANT.

3. LANDSCAPE CONTRACTOR IS RESPONSIBLE TO TEST EACH TREE PLANTING PIT FOR DRAINAGE AND ASSURE GOOD PERCOLATION PRIOR TO PLANTING TREES AND PALMS. E. PRUNNING-NEW PLANT MATERIAL

REMOVE DEAD AND BROKEN BRANCHES FROM ALL PLANT MATERIAL. PRUNE TO RETAIN NATURAL GROWTH HABIT OR INDIVIDUAL PLANTS WITH AS MUCH HEIGHT AND SPREAD AS PRUNE TO NAA STANDARDS F. STAKING TREES

1. TREES SHALL BE STAKED WITHIN 24 HOURS AFTER EACH IS INSTALLED. AFTER 14 HOURS THE LANDSCAPE ARCHITECT WILL PROHIBIT ANY FURTHER PLANTING UNTIL ALL INSTALLED TREES ARE STAKED. SUCH STORAGE WILL NO WAY ALTER THE

2. STAKING OF TREES IS TO BE USED BY THE CONTRACTOR, WHO WILL BE RESPONSIBLE FOR MATERIAL REMAINING PLUMB AND STRAIGHT FOR ALL GIVEN CONDITIONS THROUGH THE GUARANTEE PERIOD.

3. STAKE ALL TREES UNDER THREE INCH (3") CALIPER WITH TWO (2) 8' STEEL T-POST TREE STAKES. LOCATE FIRST STAKE OPPOSITE FIRST. STAKES SHALL BE AS CLOSE TO MAIN TRUNK AS IS PRACTICAL, AVOIDING ROOT INJURY, AND DRIVEN AT LEAST EIGHTEEN INCHES (18") INTO FIRM GROUND.

4. TIE TREE TO STAKES USING APPROVED TREE TIES. TIES SHALL BE LOCATED MIDWAY WITHIN TREE CROWN OR AT A LOCATION APPROXIMATELY TWO-THIRDS (2/3) OF THE OVERALL HEIGHT OF THE TREE. LOCATE TIE JUST ABOVE MAJOR SIDE BRANCH IN ORDER TO DETER SLIPPAGE AND FASTEN TO STAKE. SECURE SECOND TIE OPPOSITE FIRST AT TREE AND FASTEN TO OPPOSITE STAKE.

G. GUYING TREE

1. GUY ALL TREES GREATER THAN THREE INCHES (3") IN CALIPER IN THREE (3) DIRECTIONS WITH TWO (2) STRANDS OF NO.12 GALVANIZED WIRE ATTACHED TO ANCHORS DRIVEN BELOW GRADE. WHEN SECURING WIRES TO TREES, COVER ALI WIRES WHICH MAY COME IN CONTACT WITH ANY PART OF THE TREE WITH NEW 3.4" DIAMETER BLACK RUBBER HOSE. PLACE GUYS NOT LESS THAN 1.3 HEIGHT OF TREE ABOVE GROUND. PLACE ANCHORS SO THAT GUYS ARE EQUALLY SPACED AND AT 45 DEGREE ANGLES TO HORIZON. KEEP GUYS TAUGHT UNTIL PROJECT COMPLETION. SECURE A RIBBON OF FLOURESCENT FLAGGING TAPE AT MIDPOINT OF EACH GUY WIRE.

2. NO NAILS OR ANY OTHER FASTENERS SHALL DIRECTLY PENETRATE THE BARK AND TRUNK OF THE TREE.

ALL INDIVIDUAL TREE, PALM AND SHRUB PITS AND BEDS SHALL BE MULCHED WITH A MINIMUM THREE INCH (3") LAYER OF GRADE A, SHREDDED CYPRESS MULCH.

1. SOD SHALL BE ST. AUGUSTINE "FLORATAM", UNLESS OTHERWISE SPECIFIED, SOLID AND FREE OF WEEDS, LAID WITH ALTERNATING AND ABUTTING JOINTS. ALL SODDED AREAS ARE TO BE HAND RAKED BEFORE SOD IS INSTALLED. ROCKS STICKS. DEBRIS, AND BUMPS ARE TO BE ELIMINATED. SOD SHALL BE LAID TO THE EDGE OF PAVEMENT IN RIGHT-OF-WAY AND INSTALLED WITHIN 48 HOURS OF BEING CUT.

2. ALL NEWLY SODDED AREAS SHALL BLEND AND MATCH WITH EXISTING SODDED AREAS SO AS TO PRODUCE A SMOOTH, UNIFIED LAWN. THE LANDSCAPE ARCHITECT SHALL APPROVE FINAL GRADES PRIOR TO INSTALLATION OF LAWN.

IV. MAINTENANCE

MAINTENANCE SHALL BEGIN IMMEDIATELY AFTER EACH PLANT IS PLANTED AND SHALL CONTINUE UNTIL ALL PLANTING HAS PASSED FINAL INSPECTION AND ACCEPTANCE. MAINTENANCE SHALL INCLUDE WATERING, WEEDING, CULTIVATING, REMOVAL OR DEAD MATERIAL. RESETTING PLANTS TO PROPER GRADES OR UPRIGHT POSITION AND RESTORATION OF THE PLANTING SAUCER AND ANY OTHER NECESSARY OPERATIONS. PROPER PROTECTION TO LAWN AREAS SHALL BE PROVIDED AND ANY DAMAGE RESULTING FROM PLANTING OPERATIONS SHALL BE REPAIRED PROMPTLY.

V. INSPECTION AND ACCEPTANCE

A. INSPECTION

INSPECTION OF WORK TO DETERMINE COMPLETION OF CONTRACT, EXCLUSIVE OF THE POSSIBLE REPLACEMENT OF PLANTS, WILL BE MADE BY THE OWNER AND/OR LANDSCAPE ARCHITECT AT THE CONCLUSION OF ALL PLANTING AND AT THE WRITTEN REQUEST OF THE CONTRACTOR.

B. ACCEPTANCE

AFTER INSPECTION, THE CONTRACTOR WILL BE NOTIFIED BY THE OWNER OF THE ACCEPTANCE OF ALL WORK OF PLANTING, EXCLUSIVE OF THE POSSIBLE REPLACEMENT OF PLANTS SUBJECT TO GUARANTEE OR IF THERE ARE ANY DEFICIENCIES OR THE REQUIREMENT FOR COMPLETION OF THE WORK.

A. GUARANTEE

1. ALL NEW PLANT MATERIALS SHALL BE GUARANTEED OF ACCEPTANCE AND SHALL BE ALIVE AND IN SATISFACTORY CONDITION AND GROWTH FOR EACH SPECIFIC KIND OF PLANT AT THE END OF THE GUARANTEE PERIOD.

2. ALL TREES AND PALMS PLANTED SHALL BE FULLY WARRANTED BY THE CONTRACTOR AND WILL BE HEALTHY AND IN A FLOURISHING CONDITION OF ACTIVE GROWTH ONE (1) YEAR (365 CALENDAR DAYS) FROM DATE OF FINAL ACCEPTANCE.

3. ALL SHRUBS, GROUND COVERS, VINES AND SOD SHALL BE FULLY WARRANTED FOR NINETY (90) CALENDER DAYS UNDER THE SAME CONDITIONS.

B. REPLACEMENT

1 AT THE END OF THE GUARANTEE PERIOD, ANDY PLANT REQUIRED UNDER THIS CONTRACT THAT IS DEAD OR NOT IN SATISFACTORY GROWTH, AS DETERMINED B THE LANDSCAPE ARCHITECT, SHALL BE REMOVED FROM THE SITE AND REPLACED WITHIN FIFTEEN (15) DAYS WITH NO EXTRA COST TO OWNER.

2. ALL REPLACEMENTS SHALL BE PLANTS OF THE SAME KIND AND SIZE AS SPECIFIED IN THE PLANT LIST. THEY SHALL BE FURNISHED AND PLANTED AS SPECIFIED HEREIN. THE COST SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

C. MATERIALS AND OPERATIONS

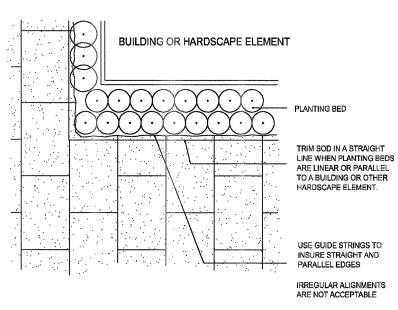
1. CONTRACTOR SHALL SCHEDULE AND ATTEND A PRE-CONSTRUCTION CONFERENCE WITH REPRESENTATIVES OF THE OWNER, THE LANDSCAPE ARCHITECT, AND THE ARCHITECT BEFORE COMMENCING WORK.

2. ALL LANDSCAPING SHALL BE INSTALLED IN A SOUND, WORKMANLIKE MANNER AND ACCORDING TO ACCEPTED GOOD PLANTING PROCEDURES AS PRESCRIBED BY THE AMERICAN SOCIETY OF LANDSCAPE ARCHITECTS.

VII. CARE AND MAINTENANCE SCHEDULE A. THE CONTRACTOR SHALL FURNISH THE OWNER WITH A WRITTEN AND DETAILED

DESCRIPTION FOR THE CARE AND MAINTENANCE OF ALL PLANT MATERIAL AT THE TIME OF FINAL INSPECTION. THE OWNER AGREES TO EXECUTE THE INSTRUCTIONS FOR SUCH CARE AND MAINTENANCE.

B. ALL LANDSCAPING SHALL BE MAINTAINED IN A HEALTHY GROWING CONDITION AND SHALL BE KEPT FREE FROM REFUSE AND DEBRIS. MAINTENANCE SHALL INCLUDE WATERING, WEEDING, MOWING, FERTILIZING, TREATING, MULCHING, PRUNING, REMOVAL/ REPLACEMENT OF DEAD OR DISEASED TREES AND REMOVAL OF REFUSE AND DEBRIS ON A REGULAR BASIS SO AS TO PRESENT A NEAT AND WELL-KEPT APPEARANCE AT

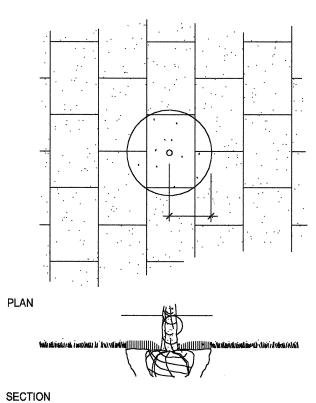


SOD TRIMMING - LINEAR SHRUB BEDS NOT TO SCALE

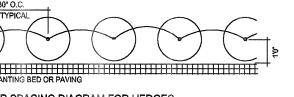
SINGLE ROW SPACING DIAGRAM FOR HEDGES TRIANGULAR SPACING DIAGRAM FOR HEDGES EDGE OF PLANTING BED OR PAVING DOUBLE ROW TRIANGULAR SPACING DIAGRAM

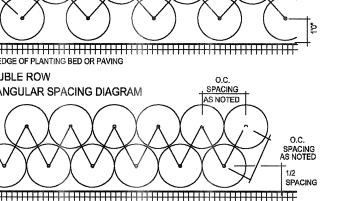
SHRUB/PLANT SPACING DIAGRAMS

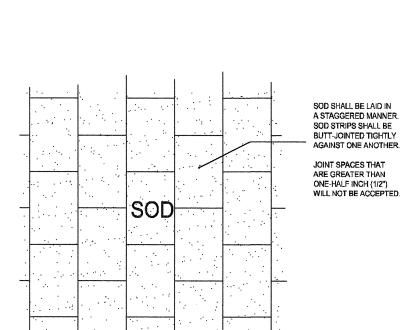
NOT TO SCALE



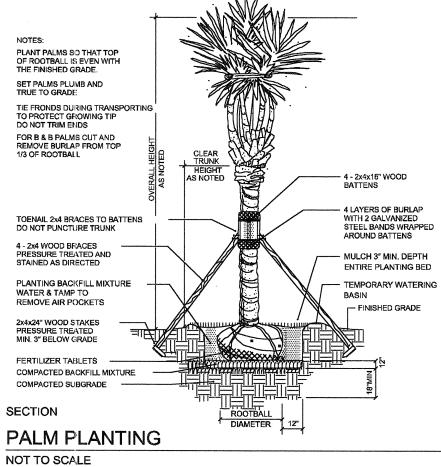
TREE RING NOT TO SCALE

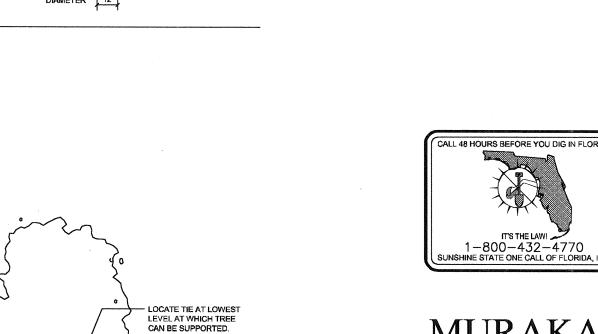






**SOD PLANTING** NOT TO SCALE





326 NE 1st Avenue Delray Beach, Florida 33444-3804 STAKES AT ROOTBALL EDGE FAX 561 276 0270 - MULCH 3" MIN. DEPTH ENTIRE PLANTING BED TO BACKFILLING. (3 PER TREE TEMPORARY WATERING PLANTING BACKFILL MIXTURE

3/4 HEIGHT OF TREE.)

SECTION TREE PLANTING/STAKING NOT TO SCALE [TO 3" CALIPER]

PLANT SO THAT TOP OF ROOT

BALL IS EVEN WITH THE

SET TREE PLUMB &

NYLON STRAPPING

DRIVEN (MIN 18") FIRMLY INTO SUBGRADE PRIOR

FINISHED GRADE ----

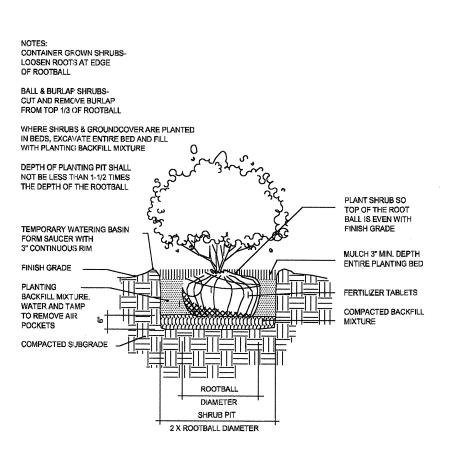
WATER & TAMP TO

REMOVE AIR POCKETS

COMPACTED SUBGRADE COMPACTED BACKFILL MIXTURE

WITH LASSO

2" X 4" POST



SECTION SHRUB PLANTING NOT TO SCALE



WINSTON

CHURCH

4001 NW 63rd ST

COCONUT CREEK

PARK

FL 33073

Job Number: Project Name: Drawing Name: Checked By: Date: August 16, 2011