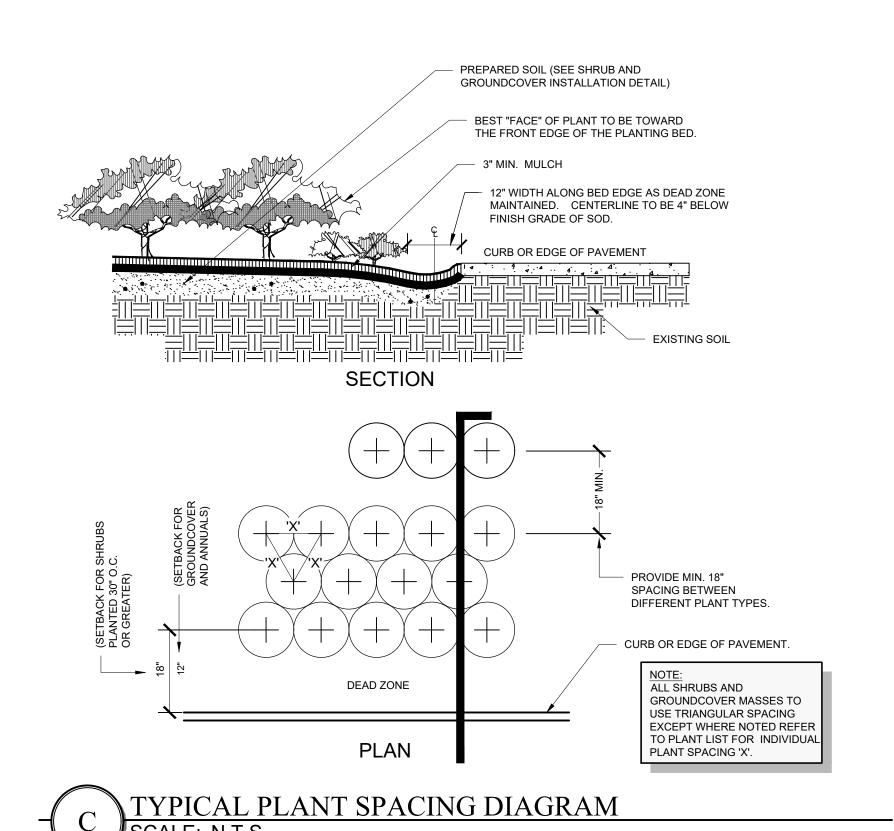
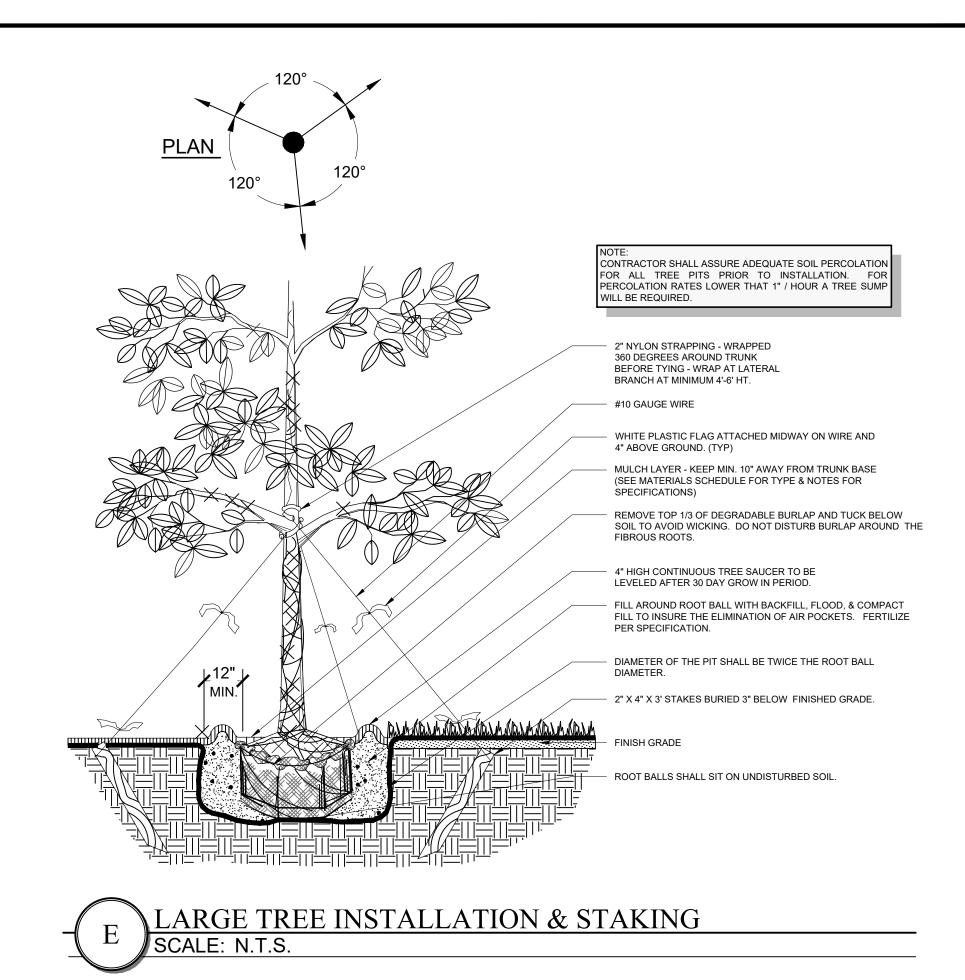
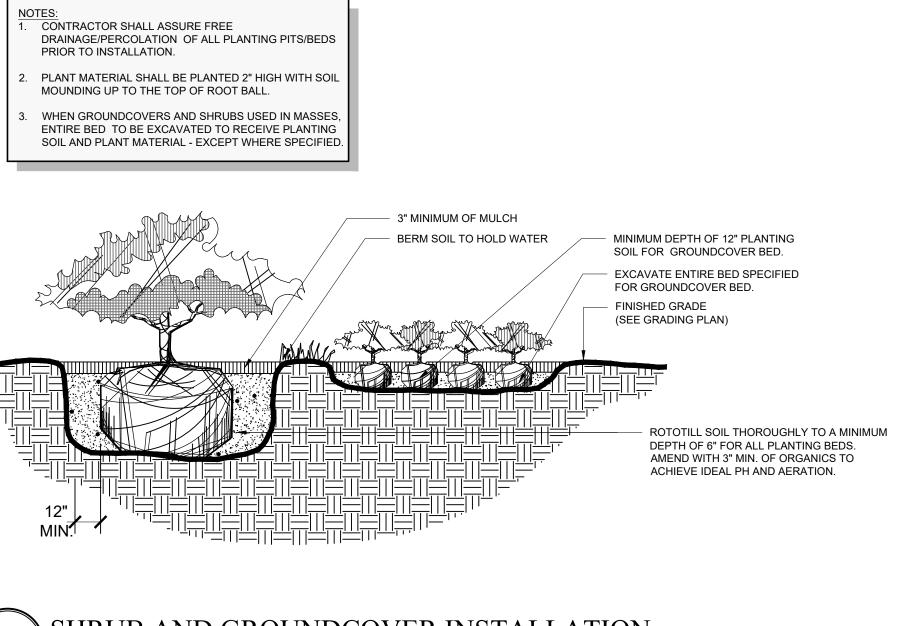


MULCH APPLICATION ~ TYPE 1

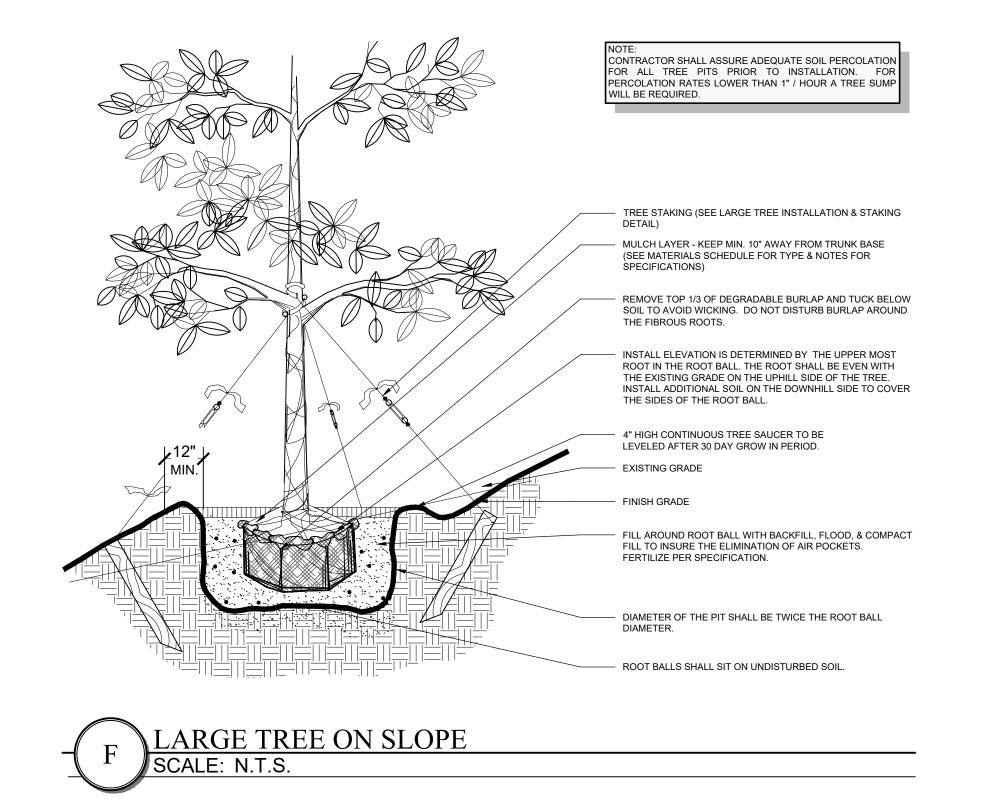


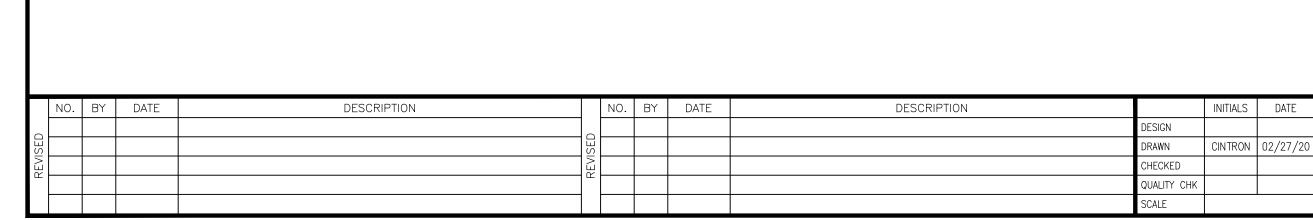






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ENGINEERING CERTIFICATE OF AUTHORIZATION NUMBER 21
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GAINESVILLE = LAKEWOOD RANCH = ORLANDO = ST. PETERSBURG = TAMPA

WILLIAM J RICHMOND RLA No. 1556

CITY OF VENICE BOOSTER PUMP STATION

19003300L0 SHEET NO.

LANDSCAPE DETAILS SECTION 22, TOWNSHIP 38S., RANGE 19E.

### **GENERAL LANDSCAPE:**

- TREES AND SHRUBS SHALL NOT BE PLACED WITHIN THE MIDDLE TWO-THIRDS  $(\frac{2}{3})$  OF ANY DRAINAGE SWALE OR WITHIN THREE (3) FEET MEASURED HORIZONTALLY FROM THE CENTERLINE OF THE DRAINAGE SWALE +/- WHICHEVER IS GREATER. SWALES MUST ALLOW FOR THE POSITIVE FLOW OF WATER WITHOUT OBSTRUCTION.
- ACTIVITIES HAVE BEEN SHIFTED AWAY FROM EXISTING TREES WHERE POSSIBLE. ADDITIONAL TREES ARE NOT BEING SHOWN FOR REMOVAL. ANY TREES SHOWN NEAR LAKE CONSTRUCTION OR UTILITIES WILL BE AVOIDED AS POSSIBLE THROUGH THE USE OF RETAINING WALLS AND JACK AND BORING PROCEDURES. IF DURING INSTALLATION OF THESE ELEMENTS TREES ARE LOST THEY WILL BE REPLACED PER ALL APPLICABLE ORDINANCES AND CODE REQUIREMENTS.
- LANDSCAPE PRACTICES FOR THIS PROJECT SHALL CONFORM TO ALL LANDSCAPE AND LAND DEVELOPMENT CODES PER LOCAL MUNICIPALITY OR GOVERNMENT AGENCY.
- THE CONTRACTOR SHALL NOTIFY ALL NECESSARY UTILITY COMPANIES 48 HOURS MINIMUM PRIOR TO DIGGING FOR VERIFICATION OF ALL UNDERGROUND UTILITIES, IRRIGATION AND ALL OTHER OBSTRUCTIONS AND COORDINATE WITH OWNER'S REPRESENTATIVE PRIOR TO INITIATING OPERATIONS. SHOULD THE LANDSCAPE CONTRACTOR CAUSE DAMAGE TO ANY UTILITIES, NECESSARY REPAIRS SHALL BE MADE AS QUICKLY AS PRACTICABLE, AT CONTRACTORS EXPENSE "INVESTIGATE BEFORE YOU EXCAVATE" CALL SUNSHINE STATE ONE
- 1-800-432-4770 TOLL FREE FL STATUTE 553.851 (1979) REQUIRES MIN. 2 DAYS NOTICE AND MAX. OF 5 DAYS NOTICE BEFORE YOU EXCAVATE
- THE LIMITS OF CONSTRUCTION ARE DEFINED BY THE 'PROJECT BOUNDARY' (LIMITS, ETC...) NOTED ON THE DRAWINGS. THE CONTRACTOR SHALL FIELD VERIFY ALL INFORMATION PRIOR TO INITIATING PLANTING INSTALLATION. ALL EXISTING PLANTING SHALL REMAIN INTACT AND UNDISTURBED UNLESS OTHERWISE NOTED ON THE PLANS. ALL EXISTING SITE FURNISHINGS, PAVING, LANDSCAPE AND OTHER ELEMENTS TO REMAIN SHALL BE PROTECTED FROM ANY DAMAGE UNLESS
- SEE ALL GRADING PLANS, PAVEMENT, WALLS, AND SITE FURNISHINGS PLANS FOR ADDITIONAL NOTES, SITE PREPARATION, AND OTHER PERTINENT INFORMATION. LANDSCAPE CONTRACTOR SHALL FIELD STAKE THE LOCATION OF ALL PLANT MATERIAL PRIOR TO INITIATING INSTALLATION FOR THE REVIEW AND APPROVAL OF THE LANDSCAPE ARCHITECT.
- REPORT ANY DISCREPANCIES BETWEEN THE CONSTRUCTION DRAWINGS AND FIELD CONDITIONS TO THE OWNER'S
- THE LANDSCAPE CONTRACTOR SHALL CLEAN THE WORK AREAS AT THE END OF EACH WORKING DAY. RUBBISH AND DEBRIS SHALL BE COLLECTED AND DEPOSITED OFF SITE DAILY. ALL MATERIALS, PRODUCTS, AND EQUIPMENT SHALL BE STORED IN AN ORGANIZED FASHION IN THE AREA DIRECTED BY THE OWNER'S REPRESENTATIVE. THE LOCATION OF THE LANDSCAPE HOLDING AREA WILL BE IDENTIFIED BY THE OWNER'S REPRESENTATIVE. THE CONTRACTOR SHALL ADHERE TO THE ACCESS ROUTES TO AND FROM THE HOLDING AREA WITHOUT DISRUPTING OR IMPEDING ACCESS TO THE SITE BY OTHERS.
- IN ORDER TO EXPEDITE THE PROGRESS OF THE WORK, THE LANDSCAPE CONTRACTOR SHALL COORDINATE ALL WORK WITH RELATED CONTRACTORS AND WITH THE GENERAL CONSTRUCTION OF THE PROJECT.
- THE ATTACHED PLANTING PLANS ARE A GRAPHIC REPRESENTATION FOR THE AESTHETIC TREATMENT OF THE DESIGNATED SITE. ACTUAL PLANT MATERIAL LOCATIONS WILL VARY TO COMPLIMENT EXISTING VEGETATION, SITE CONDITION FEATURES, AND TO PROVIDE SAFETY. PLANT MATERIAL SELECTIONS MAY CHANGE BASED UPON AVAILABILITY; ON SITE SPECIFIC AS DICTATED BY THE ABOVE ITEMS. NO SUBSTITUTIONS WILL BE ALLOWED WITHOUT PRIOR WRITTEN PERMISSION OF THE LANDSCAPE ARCHITECT
- PROJECT SUBMITTALS:

  1. THE PROJECT SUBMITTALS LIST WILL BE GENERATED BY THE LANDSCAPE ARCHITECT AND MUST BE COMPLETED BY THE CONTRACTOR AND APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO PROJECT COMMENCEMENT.
- ALL PROJECT SUBMITTALS MUST BE COMPLETED AND COMPLIED IN AN EASILY REPRODUCIBLE FORM. SUBMITTAL SHEETS THAT ARE NOT LEGIBLE AND REPRODUCIBLE WILL BE REJECTED. SUBMITTALS SHEETS THAT DO NOT CLEARLY IDENTIFY THE PRODUCTS OR MATERIALS SELECTED WILL BE REJECTED.
- PRODUCTS INSTALLED ON THE PROJECT SITE THAT ARE NOT CONSISTENT WITH THE PROJECT SUBMITTALS WILL BE REMOVED AND REPLACED WITH THE PRODUCTS IDENTIFIED IN THE PROJECT SUBMITTAL PACKAGE AT THE CONTRACTORS EXPENSE

#### REQUIRED SUBMITTAL FORM:



# PROJECT SCHEDULE: 1. ALL WORK SHALL BE COMPLETED WITHIN THE TIME ALLOTTED IN THE PROJECT SCHEDULE.

- WITHIN SEVEN (7) DAYS OF RECEIPT OF "NOTICE TO PROCEED" THE SUCCESSFUL BIDDER WILL FURNISH A CRITICAL PATH SCHEDULE REFLECTING THE ABOVE DATES. THIS SCHEDULE WILL INCLUDE VERIFIABLE MILESTONES TO ENABLE MONITORING OF THE PROJEC SCHEDULE DURING THE CONSTRUCTION PERIOD.
- LIQUIDATED DAMAGES:

  1. THE SUCCESSFUL BIDDER SHALL HAVE ITS WORK SUBSTANTIALLY COMPLETED BY THE RESPECTIVE TIMEFRAME. THE ESTABLISHED IN THE VARIOUS PHASES OF THE SCHEDULE
- BY SUBMITTING THE BID, THE BIDDER AGREES THAT THE PERIODS FOR PERFORMING THE WORK ARE REASONABLE, AND THAT THE BIDDERS WORK CAN BE SUBSTANTIALLY COMPLETE BY ITS APPLICABLE DATE(S) FOR SUBSTANTIAL COMPLETION.
- IF THE SUCCESSFUL BIDDER DOES NOT HAVE THE WORK ON THE PROJECT SUBSTANTIALLY COMPLETE BY THE DATE(S) IDENTIFIED FOR SUBSTANTIAL COMPLETION AS ESTABLISHED IN THE PROJECT TIME SCHEDULE. THE SUCCESSFUL BIDDER WILL PAY THE OWNER (AND THE OWNER MAY SETOFF FROM SUMS COMING DUE THE SUCCESSFUL BIDDER) LIQUIDATED DAMAGES AT THE RATE OF \$0.00 PER CALENDAR DAY BEYOND THE DATE OF SUBSTANTIAL COMPLETION.
- THE BIDDER ACKNOWLEDGES BY SUBMITTING THE BID AND ENTERING INTO A CONTRACT WITH THE OWNER THAT SUCH AMOUNTS OF LIQUIDATED DAMAGES REPRESENT A REASONABLE ESTIMATE OF THE ACTUAL DAMAGES THAT THE OWNER WOULD INCUR IF THE WORK IS NOT SUBSTANTIALLY COMPLETE BY THE FOREGOING DATES. THESE LIQUIDATED DAMAGES ARE DAMAGES FOR LOSS OF USE OF THE PROJECT.AND THE SUCCESSFUL BIDDER IN ADDITION TO THE LIQUIDATED DAMAGES WILL BE OBLIGATED TO INDEMNIFY AND HOLD THE OWNER HARMLESS FROM ANY CLAIMS IF THE WORK ON THE PROJECT IS ACCELERATED BECAUSE OF DELAY.
- ALL CONTRACTORS AND SUBCONTRACTORS SHALL HAVE A SET OF APPROVED CONSTRUCTION DOCUMENTS ON SITE AT ALL TIMES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATIONS AND PROTECTION OF ALL EXISTING UTILITIES SHOWN, ALL EXISTING
- UTILITIES NOT SHOWN, AND ALL PROPOSED UTILITIES ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ADJACENT IMPROVEMENTS FROM DAMAGE AND EROSION, ANY ADJACENT IMPROVEMENT DAMAGED DURING CONSTRUCTION SHALL, AT A MINIMUM, BE RESTORED TO A STATE EQUAL TO ITS
- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS TO COMPLETE WORK, AND SHALL COMPLY WITH ALL LOCAL, STATE, AND
- CONTRACTOR SHALL AGREE TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIEY AND HOLD THE OWNER, HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN THE CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER.
- DURING CONSTRUCTION, CREWS ARE REQUIRED TO HAVE AT LEASE ONE (1) ENGLISH SPEAKING PERSON ON SITE.

# **EXISTING TREE CARE:**

- FLAG ALL TREES AND PALMS TO BE SAVED IN PLACE. PROVIDE BARRICADING IN ACCORDANCE WITH LOCAL STANDARDS AROUND
- ALL WORK SHALL BE UNDERTAKEN IN THE PRESENCE OF A REGISTERED ARBORIST EMPLOYED BY THE LANDSCAPE CONTRACTOR. A TREES AND PALMS TO BE SAVED SHALL BE EXAMINED FOR DAMAGE, DISEASE AND INSECT INFESTATION. PARTS OF THE TREE SHOWING THESE CONDITIONS SHALL BE TREATED OR PRUNED IN ACCORDANCE WITH THE ARBORISTS RECOMMENDATIONS. REMOVE
- ROOT PRUNE ALL TREES TO BE SAVED PRIOR TO GRADING AROUND TREES. CUT ALONG LINES OFFSET FROM LINES OF DEVELOPMENT SURROUNDING THE TREE, IE. AT BUILDING FOUNDATIONS, PARKING LOTS, ETC.
- TREAT ALL CUTS WITH A FUNGICIDAL BARRIER. BACKFILL THE TRENCH, WITHIN 4 HOURS OF DIGGING, WITH A 1:1 MIXTURE OF SITE SOIL AND SAWDUST OR OTHER FINE ORGANIC MATERIAL. DO NOT COMPACT.
- FERTILIZE THE PLANT AS DIRECTED BY THE CONSULTING ARBORIST.
- THE ARBORIST SHALL VISIT THE SITE PERIODICALLY TO ASSESS THE HEALTH OF THE TREES AND ISSUE REPORTS ON THE RELATIVE HEALTH OF THE TREES AND MAKE RECOMMENDATIONS FOR FURTHER TREATMENTS IF NECESSARY.

# SUBSTANTIAL COMPLETION

- CONTRACTOR TO REQUEST INSPECTION OF PROJECT IN WRITING. IF ALL WORK IS SATISFACTORY AND COMPLETE IN ACCORDANCE WITH CONDITIONS OF CONTRACT DOCUMENTS, THEN THE OWNER AND LANDSCAPE ARCHITECT SHALL DECLARE SUBSTANTIALLY COMPLETE. SUBSTANTIAL COMPLETION CONSTITUTES THE BEGINNING OF THE GUARANTEE PERIOD AND THE 90 DAY ESTABLISHMENT PERIOD OF MAINTENANCE.
- LANDSCAPE CONTRACTOR TO GUARANTEE PLANT MATERIAL FOR A ONE (1) YEAR PERIOD FOLLOWING DATE OF SUBSTANTIAL COMPLETION. PRIOR TO ISSUING SUBSTANTIAL COMPLETION NOTICE THE CONTRACTOR SHALL SUBMIT TO THE OWNER THREE (3) COPIES OF AS BUILT PLANS/DOCUMENTS AND THREE (3) COPIES OF AN ANNUALIZED MAINTENANCE AND OPERATION MANUAL DETAILING ALL SCHEDULES, NURSERY PRACTICES, WATERING REQUIREMENTS, FERTILIZATION, TRIMMING, ETC., FOR ALL PLANT MATERIALS AND PLANT AREAS OF THE PROJECT.
- MAINTENANCE PERIOD THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR COMPLETE MAINTENANCE OF ALL PLANTING AREAS (INCLUDING WATERING, SPRAYING, MULCHING, MOWING, FERTILIZING, ETC.) THROUGH THE COURSE OF THE PROJECT AND THROUGHOUT A 90 DAY ESTABLISHMENT PERIOD AFTER SUBSTANTIAL COMPLETION NOTICE BY THE OWNER. THE PROJECT WILL NOT BE ACCEPTED OR DEEMED SUBSTANTIALLY COMPLETE BY ZONES OR PHASES UNLESS OTHERWISE NOTED ON THE PLANS.

#### **INSTALLATION:**

- LANTING LAYOUT:

  THE LANDSCAPE CONTRACTOR SHALL FIELD STAKE THE LOCATION OF ALL PLANT MATERIAL PRIOR TO INITIATING INSTALLATION FOR THE
  REVIEW AND APPROVAL OF THE OWNER'S REPRESENTATIVE AND LANDSCAPE ARCHITECT.
- THE LANDSCAPE CONTRACTOR SHALL FIELD ADJUST LOCATION OF PLANT MATERIAL AS NECESSARY TO AVOID DAMAGE TO ALL EXISTING UNDERGROUND UTILITIES AND/OR EXISTING ABOVE GROUND ELEMENTS. ALL CHANGES REQUIRED SHALL BE COMPLETED AT THE CONTRACTOR'S EXPENSE AND SHALL BE COORDINATED WITH THE OWNER'S REPRESENTATIVE AND THE LANDSCAPE ARCHITECT.
- SHRUB AND GROUND COVER PLANTINGS ARE SHOWN AS MASS PLANTING BEDS. PLANTS SHALL BE PLACED ON A TRIANGULAR SPACING CONFIGURATION (STAGGERED SPACING). PLANT CENTER-TO-CENTER DIMENSIONS (O.C.) ARE LISTED ON THE PLANT LIST. PROVIDE A MINIMUM VERTICAL CLEARANCE ON ALL TREES OF 8.5' ABOVE THE SIDEWALK/CART PATHS.
- PROVIDE A MINIMUM HORIZONTAL OFFSET DISTANCE OF 2.5' FROM THE BACK OF CURB TO THE FUTURE MAXIMUM TRUNK DIAMETER OF
- ALL SHRUB BEDLINE AREA DEFINITIONS TO BE DETAILED IN THE FIELD WITH THE LANDSCAPE ARCHITECT. UNAPPROVED BEDLINES WILL BE REJECTED AND IS THE RESPONSIBILITY OF THE CONTRACTOR TO REMEDY ALL DAMAGES AND MODIFICATIONS REQUIRED TO BRING
- RANSPLANTING:
  APPROPRIATE CARE MUST BE TAKEN DURING TRANSPLANTING TO PREVENT CHAIN MARKS, GIRDLING OR BARK SLIPPAGE. TREES THAT
- ALL PLANT MATERIAL SHALL BE INSTALLED IN A SOUND, WORKMANLIKE MANNER AND ACCORDING TO ACCEPTED GOOD PLANTING PROCEDURES WITH THE QUALITY OF PLANT MATERIALS AS HEREIN DESCRIBED. ALL ELEMENTS OF LANDSCAPING SHALL BE INSTALLED SO AS TO MEET ALL APPLICABLE ORDINANCES AND CODE REQUIREMENTS.
- CONTRACTOR SHALL ENSURE DRAINAGE AND PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION OF PLANT MATERIAL. CONTRACTOR SHALL FILL ALL TREE PITS WITH WATER BEFORE PLANTING TO ASSURE THAT PROPER DRAINAGE AND PERCOLATION IS AVAILABLE. CORRECT IF REQUIRED TO ENSURE PERCOLATION. CONTRACTOR IS RESPONSIBLE FOR REPLACEMENT OF ALL PLANTS
- TREES GROWN IN GROW BAGS OR GROW BAG TYPE MATERIAL MUST HAVE THE GROW BAG REMOVED ENTIRELY PRIOR TO PLANTING. BALLED AND BURLAPPED OR ANY BASKETED MATERIAL SHALL HAVE THE TOP ONE HALF (1/2) OF THE BURLAP AROUND THE BASE OF THE TRUNK CUT AND PULLED BACK. DO NOT REMOVE BURLAP. WIRE CAGES, STRAPS, ETC. MUST BE CUT AND REMOVED PRIOR TO
- CONTRACTOR TO REPLACE REJECTED PLANT MATERIAL WITHIN ONE WEEK (5 BUSINESS DAYS) OF NOTICE. CONTRACTOR SHALL REFER TO THE LANDSCAPE PLANTING DETAILS, PLANT LIST, GENERAL NOTES AND THE PLANTING SPECIFICATIONS FOR COMPLETE LANDSCAPE PLANTING INSTRUCTIONS. NOTIFY LANDSCAPE ARCHITECT OF ANY AND ALL DISCREPANCIES PRIOR TO
- CONSTRUCTION OR INSTALLATION. THE CONTRACTOR SHALL REFER TO THE LANDSCAPE PLANTING DETAILS, PLANT LIST, GENERAL NOTES AND THE PROJECT MANUAL AND/OR SPECIFICATIONS FOR FURTHER AND COMPLETE LANDSCAPE PLANTING INSTRUCTIONS.
- THE LANDSCAPE CONTRACTOR SHALL COORDINATE ALL PLANTING WORK WITH IRRIGATION WORK. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL HAND WATERING AS REQUIRED BY OWNER'S REPRESENTATIVE TO SUPPLEMENT IRRIGATION WATERING AND/OR RAINFALL. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR HAND WATERING IN ALL PLANTING AREAS, REGARDLESS OF THE STATUS OF EXISTING OR PROPOSED IRRIGATION.
- THE LANDSCAPE CONTRACTOR SHALL RE-GRADE ALL AREAS DISTURBED BY PLANT REMOVAL, RELOCATION, AND/OR INSTALLATION WORK. THE LANDSCAPE CONTRACTOR SHALL REPLACE (BY EQUAL SIZE AND QUALITY) ANY AND ALL EXISTING PLANT MATERIAL DISTURBED OR DAMAGED BY PLANT REMOVAL, RELOCATION, AND/OR INSTALLATION WORK.
- . GUYING / STAKING PRACTICES SHALL NOT PERMIT NAILS, SCREWS, WIRES ETC. , TO PENETRATE OUTER SURFACE OF TREES, PINES, OR PALMS REJECTED DUE TO THIS PRACTICE SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.
- . ALL WOODEN STAKES, BOARDS, BRACES AND BATTENS SHALL BE PAINTED/SOLID STAINED DARK GREEN PRIOR TO THEIR USE. TOUCH UP ALL EXPOSED CUTS IN THE FIELD WITHOUT MARRING OR MARKING PLANT MATERIALS.
- . THE CONTRACTOR SHALL MULCH ALL NEW PLANT MATERIAL THROUGHOUT AND COMPLETELY TO A 3 INCH MINIMUM DEPTH WITH CLEAN, WEED FREE, CLASS A, MULCH, OR ROCK MULCH AS SPECIFIED IN THE PLANT LEGENI
- 3. THE CONTRACTOR IS RESPONSIBLE FOR COMPLETE MAINTENANCE OF ALL PLANTING AREAS (INCLUDING WATERING, SPRAYING, MULCHING, MOWING, FERTILIZING, ETC.) THROUGH THE COURSE OF THE PROJECT AND THROUGHOUT A 90 DAY ESTABLISHMENT PERIOD FOLLOWING NOTICE OF SUBSTANTIAL COMPLETION BY THE OWNER. THE PROJECT WILL NOT BE ACCEPTED OR DEEMED SUBSTANTIALLY COMPLETE BY ZONES OR PHASES (UNLESS OTHERWISE NOTED ON THE PLANS.)
- SOIL PREPARATION AND SOIL MIX:

  1. THE CONTRACTOR SHALL BEAR ALL COSTS OF TESTING OF SOILS, AMENDMENTS, ETC., ASSOCIATED WITH THE WORK AND INCLUDED IN THE SPECIFICATIONS. PRIOR TO COMMENCEMENT OF THE LANDSCAPE PLANTING WORK. THE CONTRACTOR SHALL PROVIDE COMPLETE SOIL TESTS FOR THE INSTALLATION AREA.
- A. APPLY ROUNDUP (MANUFACTURED BY MONSANTO CORP.) OR APPROVED HERBICIDE EQUAL ACCORDING TO MANUFACTURER'S RATE AND SPECIFICATION WITHIN LIMITS OF ALL AREAS TO BE PLANTED. PROTECT EXISTING PLANTS TO REMAIN FROM OVER SPRAY OR SPRAY WITHIN ROOT ZONE. CONTRACTOR TO ENSURE TOTAL WEED ERADICATION. BEFORE REPLACING TOPSOIL, RAKE SUBSOIL SURFACE CLEAR OF STONES (1 INCH DIAMETER AND LARGER), DEBRIS, RUBBISH, DELETERIOUS MATERIALS AND ALL REMAINING CONSTRUCTION DEBRIS TO A DEPTH OF 6". CONTAMINATED SOILS SHALL BE REMOVED AND REPLACED TO THEIR FULL DEPTHS AND EXTENTS.
- C. ESTABLISH OR REESTABLISH ROUGH GRADES INSURING POSITIVE FLOWS AND AESTHETIC LANDFORM SHAPES SHOWN IN THE
- GRADING PLANS. SCARIFY SUBSOIL TO A DEPTH OF 3 INCHES ONCE ROUGH GRADE HAS BEEN ESTABLISHED D. CONTRACTOR TO APPLY "RONSTAR" OR APPROVED PRE-EMERGENT HERBICIDE IN ACCORDANCE WITH MANUFACTURER'S RATE AND
- E. PLANTING SOIL MIX FOR TREES, SHRUBS, AND GROUND COVERS SHALL CONSIST OF A THOROUGHLY BLENDED MIXTURE OF:
- 30% APPROVED TOPSOIL MIX

20% APPROVED TOPSOIL MIX

- 2) PALMS 90% CLEAN D.O.T. SAND 10% APPROVED TOPSOIL MIX 3) SHRUBS AND GROUND COVERS 80% CLEAN D.O.T. SAND 10% APPROVED FLORIDA PEAT 60% APPROVED SAND
  - CONTRACTOR TO SUBMIT LABORATOR SOIL TESTS AND ANALYSIS LANDSCAPE USE OF ALL SOIL MIXTURE AND NO LESS THAN 4 TESTS OF EXISTING SOILS IN ANY ONE AREA FOR REVIEW AND APPROVAL BY LANDSCAP PEAT: FEDERAL SPECIFICATIONS Q-P-166 TYPE 1, CLASS B, SPHAGNUM MOSS. ARCHITECT.
- F. TOPSOIL MIX SHALL BE FREE OF DELETERIOUS MATERIALS THAT WOULD BE HARMFUL TO PLANT GROWTH, SHALL BE FREE NEMATODES, SHALL BE OF UNIFORM QUALITY AND SHALL HAVE A PH VALUE BETWEEN 5.5 AND 6.5 (AS DETERMINED IN ACCORDANCE WITH ASTM E70). PEAT SHALL BE STERILIZED TO MAKE FREE OF ALL VIABLE NUT GRASS AND OTHER UNDESIRABLE WEEDS. G. TOPSOIL SHALL BE NATURAL FERTILE AGRICULTURAL SOIL CAPABLE OF SUSTAINING VIGOROUS PLANT GROWTH. IT SHALL BE OF TOPSOIL SHALL BE NATURAL, PETTILE, ASHIOLI DIVAL SOIL CAPABLE OF SUSTAINING VIGOROUS PLANT SAWTH. IT SHALL BE OF UNIFORM COMPOSITION THROUGHOUT, WITH ADMIXTURE OF SUBSOIL. IT SHALL BE FREE OF STONES, LUMPS, LIVE PLANTS AND THEIR ROOTS, STICKS, CLAY, SILTS AND OTHER EXTRANEOUS MATTER. SPREAD TOPSOIL MIXTURE TO MINIMUM DEPTH OF 4 INCHES THROUGHOUT ALL AREAS AND 6 INCHES IN ALL SHRUB AND GROUND COVER BEDS. REMOVE ALL ROCKS AND OTHER OBJECTS
- TH ALL PREPARED SOIL MIXES TO WITHIN 4 INCHES BELOW TOP OF SURROUNDING PROVIDE SMOOTH AND UNIFORM DEPTH OF TOPSOIL MIXTURE TO A MINIMUM 12 INCHES BELOW GRADE IN AREAS TO BE SODDED. FINISH GRADE ALL PREPARED TOPSOIL AREAS TO A SMOOTH, EVEN SURFACE ENSURING A MINIMUM 3% POSITIVE DRAINAGE AWAY FROM STRUCTURES AND ELIMINATE ANY LOW AREAS WHICH MAY COLLECT WATER. TOPSOIL SHALL NOT BE EXTREMELY ACIDIC OR ALKALINE, NOR CONTAIN TOXIC SUBSTANCES WHICH MAY BE HARMFUL TO PLANT

GROWTH. THE PH SHALL BE CORRECTED PRIOR TO DELIVERY IN THE RANGE OF 6.5 TO 7.5. OR AS APPROVED BY LANDSCAPE ARCHITECT. IF NECESSARY AFTER PLACEMENT THE CONTRACTOR SHALL APPLY APPROPRIATE APPROVED SOIL ADDITIVES

- INITIAL INSTALLATION FERTILIZATION
  ALL SHRUB AND GROUND COVER PLANTINGS SHALL RECEIVE AN APPROVED SLOW RELEASE FERTILIZER. ALL TREE PLANTINGS SHALL
  RECEIVE AN APPROVED MYCORRHIZA ADDITIVE. (CONTRACTOR SHALL CONFIRM FERTILIZER REQUIREMENTS PER LOCAL MUNICIPALITY OR GOVERNMENT AGENCY)
- 13-3-13 PLUS MINOR ELEMENTS SLOW RELEASE 1/2 LB. FERTILIZER PER 1/2 INCH CALIPER
- 8-6-6 PLUS MINOR ELEMENTS SLOW RELEASE 1/2 LB. FERTILIZER PER 1/2 INCH CALIPER
- 10-10-10 PLUS MINOR ELEMENTS SLOW RELEASE
- 16-4-8 PLUS MINOR ELEMENTS SLOW RELEASE \*THE COST FOR LANDSCAPE FERTILIZER AS DESCRIBED ABOVE SHALL BE INCLUDED IN THE PER PLANT PRICE.

## PLANT MATERIAL

- CONTRACTOR IS TO SUBMIT TO THE LANDSCAPE ARCHITECT THE GROWER'S AND/OR STATE INSPECTION CERTIFICATE FOR PLANT MATERIAL TWO (2) WEEKS BEFORE COMMENCEMENT OF WORK, IF APPLICABLE (SEE SUBMITTAL FORM). ALL PLANT MATERIAL SHALL BE PROTECTED DURING TRANSPORT AND DELIVERY TO JOB SITE WITH SHADE CLOTH OR OTHER ACCEPTABLE MEANS OF WINDBURN PREVENTION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PLANTS MEETING SPECIFICATION AS NOTED PRIOR TO INSTALLATION. CONTRACTOR SHALL IMMEDIATELY REMOVE ALL PLANT MATERIAL FROM THE PROJECT THAT DOES NOT CONFORM TO SPECIFICATIONS.
- LANDSCAPE CONTRACTOR SHALL VERIFY ALL QUANTITIES OF PLANT MATERIAL FROM THE PLANT LEGEND TO THE DRAWINGS. QUANTITIES FROM DRAWINGS SHALL GOVERN UNLESS OTHERWISE NOTED. ALL PLANTS MUST BE HEALTHY VIGOROUS MATERIAL. FREE OF PESTS AND DISEASES, ALL PLANT MATERIAL SHALL BE IN FULL AND STRICT ACCORDANCE TO FLORIDA NO. 1 GRADE, ACCORDING TO THE "GRADES AND STANDARDS FOR NURSERY PLANTS", PUBLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES. PLANT MATERIALS IN SOME INSTANCES
- SHALL EXCEED NO. 1 GRADE, IN ORDER TO MEET THE MINIMUM REQUIREMENTS OF THIS PROJECT. ALL PALMS TO BE SUN GROWN. ALL SIZES SHOWN FOR PLANT MATERIAL ON THE PLAN ARE TO BE CONSIDERED MINIMUM. ALL PLANT MATERIAL MUST MEET OR EXCEED THESE MINIMUM REQUIREMENTS FOR BOTH HEIGHT AND SPREAD. ANY OTHER REQUIREMENTS FOR SPECIFIC SHAPE OR EFFECT AS NOTED ON THE PLAN SHALL ALSO BE REQUIRED FOR ACCEPTANCE. ALL TREES TO BE SINGLE TRUNKED, UNLESS
- ANY SUBSTITUTIONS IN SIZE, QUANTITY, AND/OR PLANT MATERIAL MUST BE APPROVED BY THE LANDSCAPE ARCHITECT. ALL PLANTS WILL BE SUBJECT TO APPROVAL BY LANDSCAPE ARCHITECT BEFORE PLANTING CAN BEGIN.
- ALL TREES MUST BE STRAIGHT TRUNKED, FULL HEADED, AND MEET ALL REQUIREMENTS SPECIFIED, UNLESS OTHERWISE NOTED. . ANY TREE WITH A TRUNK FORMED "V" SHAPE CROTCH WILL BE REJECTED.
- 0. CANOPY TREES OF ALL SIZES ARE TO BE SELECTIVELY PRUNED AFTER PLANTING TO REMOVE INNER TWIGGY GROWTH, OPEN-UP THE CENTER AND EXPOSE MAJOR BRANCHES.
- I. ALL ROOTBALLS SHALL CONFORM TO THE SIZE STANDARDS SET FORTH IN "AMERICAN STANDARDS FOR NURSERY STOCK". SUBSTITUTION OF FIELD GROWN TREES FOR TREES THAT ARE SPECIFIED AS CONTAINER GROWN WILL NOT BE PERMITTED UNLESS
- \* ALL SPECIFICATIONS WILL STILL APPLY TO APPROVED B&B MATERIAL ALL PLANT MATERIAL SHALL BE MAINTAINED AT OR ABOVE THE SPECIFIED CONDITIONS THROUGH SUBSTANTIAL COMPLETION AND THE END OF THE ESTABLISHMENT PERIOD. DECLINE IN CONDITION OF PLANT MATERIAL DURING INSTALLATION, AND THE MAINTENANCE PERIOD, SHALL BE GROUNDS FOR REJECTION AND REPLACEMENT AT CONTRACTOR'S EXPENSE.
- I. ALL SOD SHALL BE 100% SOLID SOD, 99% FREE OF NOXIOUS WEEDS, WITH A 2" THICKNESS OF ROOTS CAPABLE OF HOLDING SAND.
  SOD SHALL BE FRESHLY-CUT WITHIN TWENTY-FOUR (24) HOURS OF LAYING, LAID WITH TIGHTLY-BUTTED JOINTS, AND ROLLED. HAND
  RAKING SHALL BE DONE AS NECESSARY TO ENSURE PROPER EVEN GRADES AND CLEAR SURFACES FOR SOD.
- . MINIMUM THREE-INCH (3") THICK LAYER OF MULCH SHALL BE PLACED AROUND ALL NEW PLANT MATERIAL AND BARE GROUND THAT WILL NOT BE COVERED BY EXISTING VEGETATION, SOD, GRAVEL, PAVEMENT OR ANY OTHER GROUND COVER TREATMENT. 6. ALL PLANTING BED AREAS TO HAVE 6" OF DARK, FRIABLE TOP SOIL OR BED MIXED CHURNED INTO EXISTING SOIL
- NEW PLANT MATERIAL TO BE INSTALLED WILL BE FIELD ADJUSTED TO ACCOMMODATE EXISTING PLANT MATERIAL SUCH AS DVERHEAD CANOPY TREES, UNDERSTORY TREES AND SHRUBS OR GROUND COVER. THIS WILL INSURE EXISTING PLANT MATERIAL TO REMAIN IN ITS NATURAL STATE. THEREFORE, NO EXISTING PLANT MATERIAL WILL BE ALTERED BY REMOVING, CUTTING, TRIMMING OR DESTROYING IN ORDER TO INSTALL NEW PLANT MATERIAL.
- 18. ALL LANDSCAPED AREAS TO BE IRRIGATED WITH A FULLY AUTOMATED IRRIGATION SYSTEM (UNLESS OTHERWISE NOTED). 9. ALL TREES SHALL BE LOCATED AT LEAST SIX FEET AWAY FROM THE FLOWLINE OF PERIMETER PROPERTY SWALES AND PROPOSED

### **GENERAL NOTES:**

- NO REFERENCE TO ENGINEERING SHOULD BE MADE FROM THIS SHEET. FOR
- LANDSCAPE REFERENCE ONLY
- ANY DEVIATION FROM PLANT QUANTITY, SIZE OR GRADE MAY JEOPARDIZE THE CERTIFICATE OF OCCUPANCY.
- THE HEALTHY, NEAT, AND ORDERLY APPEARANCE OF ALL REQUIRED LANDSCAPING MATERIALS IS THE CONTINUAL RESPONSIBILITY OF THE PROPERTY OWNER.
- SLOPES 4:1 OR GREATER SHALL REQUIRE SODDING FOR STABILIZATION. 5. CONTRACTOR SHALL VERIFY ALL FINAL TREE LOCATIONS IN REGARD TO CONFLICTS SUCH AS UTILITIES, DRAINAGE, ETC.
- ANY AREAS SUBJECT TO EROSION MUST BE ADEQUATELY STABILIZED WITH VEGETATIVE MATERIAL THAT WILL, WITHIN A REASONABLE TIME FRAME, DETER SOIL DISTURBANCE, SODDING, PLUGGING, SPRIGGING OR SEEDING IS ACCEPTABLE FOR STABILIZATION; HOWEVER, SODDING MAY BE REQUIRED IN AREAS OF EROSION-PRONE SOILS OR WHERE SLOPES ARE GREATER THAN 5:1. VEGETATION OTHER THAN GRASS IS ACCEPTABLE UNLESS OTHERWISE SPECIFIED.
- FOR COMMERCIAL SITE DEVELOPMENT PROJECTS, NO MORE THAN 50% OF THE LANDSCAPED AREA MAY BE PLANTED WITH SHALLOW-ROOTED (I.E., ST. AUGUSTINE) TURF GRASS VARIETIES. THESE TURF GRASS VARIETIES SHALL BE CONSOLIDATED IN AND LIMITED TO AREAS THAT ARE PROVIDED WITH CENTRAL AUTOMATIC IRRIGATION SYSTEMS.

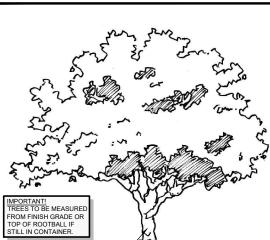
#### **GENERAL LANDSCAPE NOTES:**

- ALL PLANT MATERIAL TO BE FLORIDA GRADE # 1 OR BETTER, AS DEFINED IN 'GRADES AND STANDARDS FOR NURSERY PLANTS", STATE OF FLORIDA DEPT. OF AGRICULTURE.
- ALL SIZES SHOWN FOR PLANT MATERIAL ON THE PLAN ARE TO BE CONSIDERED MINIMUM. ALL PLANT MATERIAL MUST MEET OR EXCEED THESE MINIMUM REQUIREMENTS FOR BOTH HEIGHT AND SPREAD. ANY OTHER REQUIREMENTS FOR SPECIFIC SHAPE OR EFFECT AS NOTED ON THE PLAN SHALL ALSO BE REQUIRED FOR ACCEPTANCE. ALL TREES TO BE SINGLE TRUNKED, UNLESS OTHERWISE
- MINIMUM THREE-INCH (3") THICK LAYER OF MULCH SHALL BE PLACED AROUND ALL NEW PLANT MATERIAL AND BARE GROUND THAT WILL NOT BE COVERED BY EXISTING VEGETATION, SOD, GRAVEL, PAVEMENT OR ANY OTHER GROUND COVER
- ALL TREES TO BE HEALTHY, FULL SPECIMEN TYPES. ALL PALMS TO BE SUN
- ALL PLANTING BED AREAS TO HAVE 6" OF DARK, FRIABLE TOP SOIL OR BED MIXED CHURNED INTO EXISTING SOIL..
- NEW PLANT MATERIAL TO BE INSTALLED WILL BE FIELD ADJUSTED TO ACCOMMODATE EXISTING PLANT MATERIAL SUCH AS OVERHEAD CANOPY TREES. UNDERSTORY TREES AND SHRUBS OR GROUND COVER. THIS WILL INSURE EXISTING PLANT MATERIAL TO REMAIN IN ITS NATURAL STATE. THEREFORE, NO EXISTING PLANT MATERIAL WILL BE ALTERED BY REMOVING. CUTTING TRIMMING OR DESTROYING IN ORDER TO INSTALL NEW PLANT MATERIAL.
- ALL TREE STAKING TO BE DONE USING ARBOR TAPE AND THE DUCKBILL ANCHOR ALL LANDSCAPED AREAS TO BE IRRIGATED WITH A FULLY AUTOMATED IRRIGATION
- ALL TREES SHALL BE LOCATED AT LEAST SIX FEET AWAY FROM THE FLOWLINE OF PERIMETER PROPERTY SWALES AND PROPOSED STORMWATER INLETS

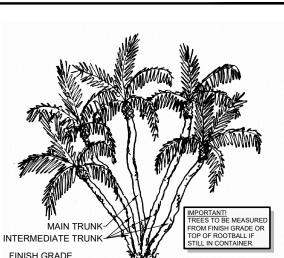
## TREE PLANTING NOTES:

- ALL TREES SHALL BE GUARANTEED FOR TWO YEARS FROM DATE OF OWNER ACCEPTANCE
- EACH TREE SHALL RECEIVE SIX "AGRIFORM" 21 GRAM TABLETS PER MANUFACTURER'S DIRECTIONS. FLEXIBILITY SHALL BE GIVEN TO THE PLACEMENT OF STREET TREES TO ACCOMMODATE IMPROVEMENTS SUCH AS
- DRIVEWAYS, UTILITIES, LIGHTING, ETC STREET TREE SHALL HAVE A MINIMUM CLEARANCE OF 15' FROM STREET LIGHTS, SHALL NOT BE INSTALLED WITHIN
- 10 FT. OF ANY ABOVE GROUND UTILITY OR WITHIN 30 FT. OF THE FACE OF A STOP SIGN
- STREET TREE PLANTINGS IN "COMMON TRACTS" TO BE INSTALLED PRIOR TO AS-BUILT INSPECTION TREE PLANTING SHALL INCLUDE ROOT BARRIER PROTECTION TO PREVENT ROOT GROWTH INTO UTILITIES,
- DRAINAGE, SIDEWALKS AND OTHER PAVED AREAS. APPLY A 3" LAYER OF MULCH LAYER TO ALL PROPOSED TREE. SHRUB. GROUND COVER AND VINE PLANTINGS
- ALL TRIMMING UNDERTAKEN ON A TREE PROTECTED BY THE PROVISIONS OF THE LAND DEVELOPMENT CODE SHALL BE IN ACCORDANCE WITH THE AMERICAN NATIONAL STANDARD INSTITUTE (ANSI) A-300 PRUNING STANDARDS

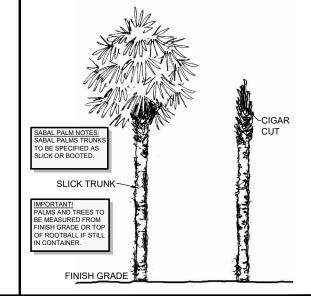
# TREE & PALM MEASURING GUIDELINES:

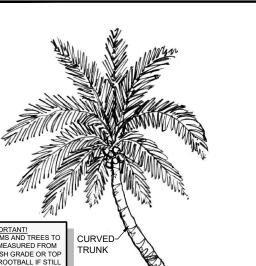


FINISH GRADE

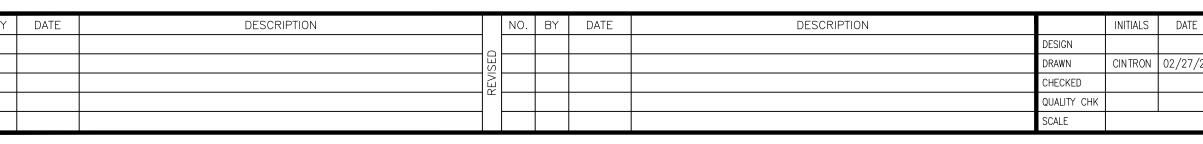












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WILLIAM J RICHMOND RLA No. 1556

CITY OF VENICE BOOSTER PUMP STATION LANDSCAPE NOTES

SHEET NO SECTION 22, TOWNSHIP 38S., RANGE 19E.

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