

GENERAL NOTES:

- CONTRACTOR SHALL COORDINATE WITH LA ONE CALL "CALL BEFORE YOU DIG" AND ANY OTHER LOCAL CITY OR UTILITY SERVICES FOR THE LOCATION OF ALL UNDERGROUND UTILITIES, PRIOR TO BEGINNING ANY WORK. ANY DISRUPTION OF UNDERGROUND UTILITIES SHALL BE REPAIRED AT NO EXPENSE TO OWNER OR THE LANDSCAPE ARCHITECT.
- CONTRACTOR SHALL COORDINATE WITH UNIVERSITY OFFICIALS ON ALL CONSTRUCTION ACTIVITIES INCLUDING MATERIAL STAGING AND SITE ACCESS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ANY EXISTING STRUCTURES OR PAVING NOT NOTED FOR REMOVAL. ANY DAMAGE TO REMAINING STRUCTURES OR PAVING SHALL BE REPAIRED BY CONTRACTOR AT NO EXPENSE TO OWNER. ANY REPAIRS SHALL MEET OR EXCEED THE ORIGINAL CONDITIONS OF THE DAMAGED AREA(S) AND SHALL BE SUBJECT TO THE APPROVAL OF THE OWNER OR THE OWNER'S REPRESENTATIVE.
- CONTRACTOR SHALL PROVIDE MATS OR OTHER PROTECTION FOR EXISTING CONCRETE PAVING OR ASPHALT.
- CONTRACTOR SHALL VERIFY WITH LANDSCAPE ARCHITECT AND OWNER ALL EXISTING TREES WITHIN THE LIMIT OF WORK TO BE PROTECTED.
- REMOVE EXISTING VEGETATION AND TREES AS NOTED ON THE DRAWINGS. VERIFY WITH LANDSCAPE ARCHITECT PRIOR TO DEMOLITION OF ALL TREES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ANY SUBSURFACE OBSTRUCTIONS THAT MAY INTERFERE WITH PROPOSED IMPROVEMENTS, AND ANY UNFORESEEN ITEMS ENCOUNTERED DURING EXCAVATION SHALL BE REPORTED TO THE LANDSCAPE ARCHITECT AND OWNER PRIOR TO ANY ACTION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND PURCHASING ALL NECESSARY PERMITS.
- THE FINISHED WORK OF THE PROJECT IS EXPECTED TO CONFORM TO ALL APPLICABLE CODES AND STANDARDS.

DEMOLITION NOTES:

- CONTRACTOR RESPONSIBLE FOR THE PROTECTION OF ANY REMAINING STRUCTURES OR PAVING. ANY DAMAGE TO REMAINING STRUCTURES OR PAVING SHALL BE REPAIRED BY CONTRACTOR AT NO EXPENSE TO OWNER. ANY REPAIRS SHALL MEET OR EXCEED THE ORIGINAL CONDITIONS OF THE DAMAGED AREA(S) AND SHALL BE SUBJECT TO THE APPROVAL OF THE OWNER OR THE OWNER'S REPRESENTATIVE.
- CONTRACTOR SHALL PROVIDE MATS OR OTHER PROTECTION FOR EXISTING CONCRETE PAVING OR ASPHALT.
- CONTRACTOR SHALL VERIFY WITH LANDSCAPE ARCHITECT AND OWNER ALL EXISTING CONCRETE PATHWAYS WITHIN THE LIMIT OF WORK TO BE REMOVED.
- CONTRACTOR SHALL VERIFY WITH LANDSCAPE ARCHITECT AND OWNER ALL EXISTING TREES WITHIN THE LIMIT OF WORK TO BE REMOVED.
- ALL EXISTING VEGETATION AND TREES SHALL BE REMOVED AS INDICATED. ANY MISCELLANEOUS VEGETATION NOT INDICATED ON DEMOLITION PLAN SHALL BE DOCUMENTED AND REMOVED AFTER RECEIVING APPROVAL BY LANDSCAPE ARCHITECT.
- THE LIVE OAK SHALL RECEIVE TREE PROTECTION FENCING THROUGHOUT CONSTRUCTION. SEE SPECIFICATIONS AND TREE PROTECTION DETAIL FOR INFORMATION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ANY SUBSURFACE OBSTRUCTIONS THAT MAY INTERFERE WITH PROPOSED IMPROVEMENTS, AND ANY UNFORESEEN ITEMS ENCOUNTERED DURING EXCAVATION SHALL BE REPORTED TO THE LANDSCAPE ARCHITECT AND OWNER PRIOR TO ANY ACTION.

TREE PROTECTION NOTES:

- SEE PLAN FOR APPROXIMATE LOCATION OF TREE PROTECTION FENCING
- EXISTING TREES SHALL BE PROTECTED AT ALL TIMES WITH 6' MIN. HT FENCING. LOCATION OF TREE PROTECTION FENCING SHALL BE SUBMITTED AS PART OF THE TREE PROTECTION PLAN AND APPROVED PRIOR TO INSTALLATION. CONSTRUCTION FENCE SHALL BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION ACTIVITIES.
- MIN. 2'x2' WEATHERPROOF WARNING SIGN SHALL BE PLACED ON TREE PROTECTION FENCING. SIGNS SHALL BE VISIBLE ON ALL SIDES OF FENCED AREA AND SHALL BE SPACED NO MORE THAN 200' O.C. LANDSCAPE ARCHITECT RESERVES THE RIGHT TO REQUIRE ADDITIONAL WARNING SIGNS BASED UPON ACTUAL FIELD CONDITIONS.
- TEXT ON WARNING SIGNS SHALL BE 3" HIGH MIN. AND SHALL BE CLEARLY LEGIBLE IN BOTH ENGLISH AND SPANISH.
- FOR TREE PROTECTION AREAS WITH LESS THAN 200' PERIMETER, CONTRACTOR SHALL PROVIDE ONE (1) SIGN MIN.
- WARNING SIGNS SHALL BE SECURELY FASTENED TO POSTS.
- CONTRACTOR SHALL NOT STORE EQUIPMENT OR OTHER MATERIALS WITHIN THE DRIPLINE OF EXISTING TREES. CONTRACTOR SHALL COORDINATE MATERIAL STAGING THE OWNER AND LANDSCAPE ARCHITECT.
- ANY WORK THAT OCCURS WITHIN THE DRIPLINE OF ANY TREE SHALL BE DONE WITH THE DIRECTION OF A LICENSED ARBORIST. NO MECHANICAL TRENCHING WITHIN EXISTING TREE CANOPIES SHALL BE PERMITTED. ONLY HAND DIGGING SHALL BE PERMITTED IN THESE AREAS. AVOID SIGNIFICANT ROOTS.
- CONTRACTOR SHALL PHOTOGRAPH PROTECTED TREES FROM ALL SIDES AFTER INSTALLING TREE PROTECTION FENCING, AND SHALL SUBMIT THE PHOTOGRAPHS TO THE LANDSCAPE ARCHITECT PRIOR TO OTHER CONSTRUCTION ACTIVITIES.
- ANY ADDITIONAL PRUNING NECESSARY TO COMPLETE CONSTRUCTION ACTIVITIES SHALL BE PERFORMED BY A LICENSED ARBORIST. ALL PRUNING SHALL BE APPROVED AND COORDINATED WITH LHS AND LANDSCAPE ARCHITECT WHILE ON SITE. CONTRACTOR SHALL HAVE WRITTEN APPROVAL PRIOR TO ANY PRUNING ACTIVITIES.

TREE REMOVAL NOTES:

- ALL TREES DESIGNATED FOR REMOVAL SHALL HAVE THEIR TRUNKS CUT AS FLUSH WITH THE GROUND AS POSSIBLE.
- STANDARD REMOVAL: ALL STUMPS, AT A MINIMUM, SHALL BE GRINDED INTO MULCH TO A DEPTH OF 12" BELOW THE EXISTING GRADE. MULCH SHALL BE REMOVED AND TOPSOIL SHALL BE ADDED TO FILL RESULTING VOID.
- AMENDED REMOVAL: STUMPS WHICH CONFLICT WITH PROPOSED TREE PLANTINGS (AS INDICATED ON PLAN) SHALL COMPLY WITH THE FOLLOWING REMOVAL SPECIFICATIONS, IN ADDITION TO THE STANDARD REMOVAL AS DETAILED ABOVE:
  - FLAG THE PROPOSED TREE LOCATION.
  - EXCAVATE AND REMOVE ALL EXISTING ROOTS WITHIN A 5' RADIUS OF THE CENTER OF THE PROPOSED TREE LOCATION AND TO A DEPTH OF 4'.
  - THE FINAL EXCAVATION SHALL PROVIDE A "ROOT-FREE" ZONE THAT IS 3' CLEAR OF ALL SIDES OF THE PROPOSED TREE'S CONTAINER AND 2' CLEAR OF THE BOTTOM OF THE PROPOSED TREE'S CONTAINER.
  - CONTRACTOR IS RESPONSIBLE, AT NO COST TO OWNER OR LANDSCAPE ARCHITECT, FOR VERIFYING THE SIZE OF THE PROPOSED TREE'S CONTAINER AND ADJUSTING THE ROOT EXCAVATION AND REMOVAL LIMITS TO ACHIEVE THE SPECIFIED CLEARANCES.
  - CONTRACTOR IS RESPONSIBLE, AT NO COST TO THE OWNER OR LANDSCAPE ARCHITECT, FOR ANY ADDITIONAL EXISTING TREE ROOT REMOVAL AS NEEDED TO PROPERLY INSTALL THE PROPOSED TREES.

LAYOUT AND SLEEVING NOTES:

- CONTRACTOR SHALL REPORT ANY PLAN DISCREPANCIES TO LANDSCAPE ARCHITECT FOR CLARIFICATION PRIOR TO PROCEEDING.
- CONTRACTOR SHALL CALL LOUISIANA 811 PRIOR TO DIGGING TO IDENTIFY ANY EXISTING UNDERGROUND UTILITY SERVICE. ANY DISRUPTION TO ANY EXISTING UTILITY SERVICE SHALL BE REPAIRED AT NO EXPENSE TO THE OWNER OR THE LANDSCAPE ARCHITECT.
- CONTRACTOR SHALL STAKE OUT ALL PAVING WITH GRADE STAKES FOR LANDSCAPE ARCHITECT APPROVAL PRIOR TO FORMING.
- GRADES AND SLOPES OF SIDEWALK FORMING SHALL BE APPROVED IN FIELD BY LANDSCAPE ARCHITECT PRIOR TO CONCRETE POUR.
- LAYOUT AND GRADING OF PAVED AREAS SHALL BE SUBJECT TO APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO ANY POURING.
- CONTRACTOR SHALL BE RESPONSIBLE FOR POSITIVE DRAINAGE OF ALL PAVED AREAS. ANY "BIRD BATHS" OR WATER PONDING ON ANY CONCRETE SURFACE TO BE REPAIRED AT NO EXPENSE TO OWNER OR LANDSCAPE ARCHITECT.
- GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION AND INSTALLATION OF SLEEVES AT LOCATIONS SHOWN ON THIS SHEET.
- ALL SLEEVE LOCATIONS SHALL CONTAIN (2) 4" SCHEDULE 40 PVC PIPES SLEEVES (UNLESS OTHERWISE NOTED) AND SHALL BE LOCATED DIRECTLY UNDER PAVEMENT. SEE STRUCTURAL PLANS WHEN SLEEVING THROUGH WALLS.
- ALL SLEEVES FOR ELECTRICAL LINES SHALL COMPLY WITH LOCAL ELECTRICAL CODE IN REGARDS TO DEPTH AND SPACING FROM OTHER UTILITIES.
- ENDS OF SLEEVES SHALL BE CAPPED WITH PVC CAPS AND MARKED WITH A FLAG. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING FLAG LOCATION.
- COORDINATE AND VERIFY ALL SLEEVE LOCATIONS WITH ELECTRICAL AND IRRIGATION PLANS.

GRADING NOTES:

- CONTRACTOR SHALL BE RESPONSIBLE FOR POSITIVE DRAINAGE OF ALL LANDSCAPED AND PAVED AREAS. ANY "BIRD BATHS" TO BE REPAIRED AT NO EXPENSE TO OWNER OR LANDSCAPE ARCHITECT.
- LANDSCAPE ARCHITECT WILL NOT BE RESPONSIBLE FOR DRAINAGE OF SITE COMPONENTS THAT ARE NOT WITHIN THE DESIGN SCOPE OF WORK (I.E. EXISTING PAVED AREAS; ROADWAY).
- CONTRACTOR SHALL DIRECT WATER AS INDICATED BY CONTOURS, SPOT ELEVATIONS, AND SLOPE ARROWS. ALL LAYOUT & GRADING IS SUBJECT TO APPROVAL BY LANDSCAPE ARCHITECT & OWNER PRIOR TO PROCEEDING.
- ANY DAMAGE TO PROPOSED DRAINAGE SYSTEM DURING CONSTRUCTION SHALL BE REPAIRED AT NO ADDITIONAL EXPENSE TO THE OWNER OR LANDSCAPE ARCHITECT.
- CONTRACTOR SHALL REPORT ANY PLAN DISCREPANCIES TO ARCHITECT OR LANDSCAPE ARCHITECT FOR CLARIFICATION PRIOR TO PROCEEDING.
- ALL PAVING SHALL HAVE A MINIMUM SLOPE OF 1% AND A MAXIMUM CROSS SLOPE OF 2%. ALL UNPAVED AREAS SHALL HAVE A MINIMUM SLOPE OF 2% UNLESS OTHERWISE NOTED ON THE PLANS.
- ALL PIPE AND FITTINGS SHALL BE AS NOTED IN THE SPECIFICATIONS.

HARDSCAPE NOTES:

- CONTRACTOR SHALL STAKE ALL PROPOSED IMPROVEMENTS, INCLUDING CENTERLINES OF SIDEWALKS W/ GRADE STAKES, FOR LANDSCAPE ARCHITECT'S & OWNER'S APPROVAL PRIOR TO FORMING.
- CONTRACTOR SHALL PROVIDE SAMPLE OF ALL BRICK, WOOD, GRANITE, CAST STONE, PAVERS, AGGREGATE PAVING, AND CONCRETE FINISHES FOR APPROVAL BY LANDSCAPE ARCHITECT & OWNER PRIOR TO INSTALLATION.
- CONTRACTOR SHALL PROVIDE MOCK-UPS OF EACH TYPE OF PAVING TO DEPICT COLOR, TEXTURE, AND PATTERN PRIOR TO INSTALLATION.
- GRADES AND SLOPES OF SIDEWALK FORMING TO BE APPROVED IN FIELD BY LANDSCAPE ARCHITECT & OWNER PRIOR TO ALL CONCRETE POURS.
- CONTRACTOR IS RESPONSIBLE FOR THE STRUCTURAL INTEGRITY OF ALL CONCRETE WORK. 3000 PSI MINIMUM STRENGTH CONCRETE
- COMPACT ALL SOIL SUBGRADES TO 95% STANDARD PROCTOR DENSITY UNLESS OTHERWISE NOTED.
- VERIFY PAVING SLOPES ON SITE WITH LANDSCAPE ARCHITECT, CIVIL ENGINEER, & OWNER.
- REFER TO DETAILS AND SPECIFICATIONS ON LANDSCAPE ARCHITECT'S PLANS FOR GREATER DETAIL.

GENERAL LANDSCAPE NOTES:

- CONTRACTOR SHALL BE RESPONSIBLE FOR POSITIVE DRAINAGE OF ALL NEWLY BUILT BED AND LAWN AREAS AND SHALL TURTLE-BACK OR SLOPE BED AREAS AS DIRECTED OR NOTED ON PLANS AND / OR DETAILS. CONTRACTOR SHALL ALSO PROVIDE DRAINAGE SWALES THROUGH NEW BED AREAS AS NEEDED TO PROMOTE POSITIVE DRAINAGE OF ADJACENT AREAS. COORDINATE WITH LANDSCAPE ARCHITECT.
- LANDSCAPE ARCHITECT WILL NOT BE RESPONSIBLE FOR DRAINAGE OF SITE COMPONENTS THAT ARE NOT WITHIN THE DESIGN SCOPE OF WORK. I.E. EXISTING PAVED AREAS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE TO EXISTING, SIDEWALKS, STRUCTURES, OR LANDSCAPING TO REMAIN AS A RESULT OF HIS WORK. REPAIRS SHALL BE MADE AT NO EXPENSE TO OWNER OR LANDSCAPE ARCHITECT. ANY REPAIRS SHALL MEET OR EXCEED THE ORIGINAL CONDITIONS OF THE DAMAGED AREA(S) AND SHALL BE SUBJECT TO THE APPROVAL OF THE OWNER OR THEIR REPRESENTATIVE.
- WRITTEN QUANTITIES SHALL TAKE PRECEDENCE OVER DRAWN QUANTITIES.
- CONTRACTOR TO SUBMIT PRICE WITH UNIT COSTS FOR EACH ITEM ON THE MATERIAL LIST.
- CONTRACTOR SHALL COORDINATE ALL ACTIVITIES WITH GENERAL CONTRACTOR AND IRRIGATION CONTRACTOR.
- ALL TREE LOCATIONS AND BED LINES SHALL BE FLAGGED BY LANDSCAPE CONTRACTOR FOR APPROVAL BY THE LANDSCAPE ARCHITECT, PRIOR TO PROCEEDING. UPON COMPLETION OF BEDS, ALL SHRUBS SHALL BE PLACED IN CONTAINERS FOR APPROVAL BY LANDSCAPE ARCHITECT.
- CONTRACTOR IS RESPONSIBLE FOR DEMOLITION AND DISPOSAL OF EXISTING LANDSCAPE MATERIAL WITHIN PROPOSED PLANTING AREAS PER LANDSCAPE PLANS. CARE SHALL BE TAKEN SO AS NOT TO DISTURB ROOT STRUCTURE OF ANY EXISTING TREES WITH TRENCHING OR FILL.
- LANDSCAPE CONTRACTOR SHALL GUARANTEE ALL NEW PLANT MATERIAL FOR A PERIOD OF ONE (1) YEAR, BEGINNING AT THE DATE OF SUBSTANTIAL COMPLETION.
- LANDSCAPE CONTRACTOR SHALL REPORT ANY PLAN DISCREPANCIES TO LANDSCAPE ARCHITECT FOR CLARIFICATION PRIOR TO PROCEEDING. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS.
- EXISTING SOIL CONDITIONS MAY REQUIRE EXCAVATION TO A MINIMUM DEPTH OF 6". EXACT DEPTH TO BE DETERMINED ON SITE W/ LANDSCAPE ARCHITECT. NEW SOIL MIX SHALL BE ADDED TO REPLACE DISPLACED SOIL AND BUILD UP AN ADDITIONAL 6"-9" TO ACCOUNT FOR EXCAVATION AND AID DRAINAGE.
- SOIL PREPARATION DEPTHS FOR BED AND LAWN AREAS SHALL BE MODIFIED UNDER EXISTING TREE CANOPIES. COORDINATE WORK W/ LANDSCAPE ARCHITECT.
- CONTRACTOR TO NOTIFY OWNER TO HAVE PEST CONTROL COMPANY RE-CHECK ALL AREAS WHERE SOIL HAS BEEN DISTURBED ADJACENT TO BUILDING SLAB.
- ALL TREES ON THE PROJECT SHALL BE SPECIMEN QUALITY AND MATCHING. IF ANY TREE OR TREES DELIVERED TO THE SITE ARE NOT OF SUPERIOR QUALITY OR ARE DAMAGED IN THE OPINION OF THE LANDSCAPE ARCHITECT, THE TREE OR TREES WILL BE REJECTED.
- ALL WORK SHALL BE SEQUENCED AND PERFORMED TO MINIMIZE THE DISRUPTION OF PEDESTRIAN OR VEHICULAR CIRCULATION THROUGH THE SITE.

PLANTING NOTES:

- TOPSOIL. TOPSOIL SHALL BE FERTILE, FRIABLE SOIL OBTAINED FROM WELL DRAINED ARABLE LAND. IT SHALL BE FREE DRAINING, NON-TOXIC AND CAPABLE OF SUSTAINING HEALTHY PLANT GROWTH. TOPSOIL SHALL BE REASONABLY FREE OF CALCIUM CARBONATE, SUBSOIL, REFUSE, ROOTS, AND OTHER DELETERIOUS SUBSTANCES. THE CONTRACTOR SHALL FURNISH A WRITTEN SOIL ANALYSIS PREPARED BY AN ACCREDITED SOIL ANALYST. THE ANALYSIS SHALL INDICATE PH, TOTAL SOLUBLE SALTS, AND PLASTICITY INDEX AND PARTICLE SIZE GRADATION.
- SAND. SAND SHALL BE LOOSE, GRANULAR SOIL CONTAINING PARTICLES SMALLER THAN GRAVEL, BUT COARSER THAN SILT. SANDY SOIL SHALL OBTAIN A MINIMUM OF 90% SAND AND NO GREATER THAN 5% CLAY.
- PEAT MOSS. PEAT MOSS SHALL BE IMPORTED CANADIAN SPHAGNUM PEAT MOSS, BROWN, LOW IN CONTENT OF WOODY MATERIAL AND FREE OF ANY MINERAL MATTER HARMFUL TO PLANT LIFE. PEAT MOSS SHALL HAVE AN ACID RATING OF APPROXIMATELY 4.5 PH AND HAVE A WATER ABSORBING CAPACITY OF 1100 TO 1200 % BY WEIGHT. PEAT MOSS SHALL BE THOROUGHLY PULVERIZED BEFORE USE EXCEPT WHEN USED AS A TOP-DRESSING. NO NATIVE OR SEDGE PEATS SHALL BE APPROVED.
- ORGANIC SOIL CONDITIONER. ORGANIC SOIL CONDITIONER SHALL BE PARTIALLY DECOMPOSED GROUND PINE BARK. SAWDUST WILL NOT BE ACCEPTED. PARTICLE SIZE AND SURFACE AREA SHALL BE SUCH AS TO RESIST DISPLACEMENT BY WIND OR BY SURFACE STORM WATER OR IRRIGATION RUNOFF FOR TWO GROWING SEASONS.
- COMMERCIAL FERTILIZER. FERTILIZER SHALL BE A COMPLETE, SLOW RELEASE, 12-6-6 FERTILIZER OR APPROVED ALTERNATE DELIVERED IN ORIGINAL UNOPENED CONTAINERS BEARING THE MANUFACTURER'S GUARANTEED ANALYSIS. TO BE APPLIED AT MANUFACTURERS RECOMMENDED RATE.
- HERBICIDE. SNAPSHOT PRE-EMERGENT HERBICIDE MANUFACTURED BY DOW AGRA OR APPROVED EQUAL - APPLIED AT MANUFACTURER'S RECOMMENDATIONS.
- TOPDRESSING. TOPDRESSING SHALL BE PINESTRAW (UNLESS OTHERWISE SPECIFIED ON PLANS) OF SUFFICIENT CHARACTER TO RESIST DISPLACEMENT BY WIND OR STORM WATER OR BY IRRIGATION RUNOFF. PINESTRAW SHALL BE APPLIED AT A MIN. DEPTH OF 3" AND SPREAD EVENLY OVER THE ENTIRE BED AREA TO RETAIN MOISTURE AND PROTECT ROOT SYSTEMS. PINESTRAW TO BE FRESHLY HARVESTED, UNIFORM IN COLOR, AND FREE OF DELETERIOUS MATERIALS. CONTRACTOR IS REQUIRED TO SUBMIT A SAMPLE TO LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO PLACING.
- COMPOSTED COW MANURE. COMPOSTED COW MANURE SHALL BE A MINIMUM OF 50% COW MANURE BY WEIGHT. CONTRACTOR TO PROVIDE SAMPLE AND ANALYSIS FOR APPROVAL BY LANDSCAPE ARCHITECT.
- STANDARD PLANTING MIX (FULL BED PREPARATION), THE PLANTING MIX FOR ALL NORMAL BED AREAS AND PITS SHALL CONSIST OF:
  - 1 CY ORGANIC SOIL CONDITIONER PER 50 SF OF BED AREA
  - 1 CY COMPOSTED COW MANURE PER 150 SF OF BED AREA
  - 3.8 CF BALE OF PEAT MOSS OR COFFEE CHAFF PER 50 SF OF BED AREA
- SANDY TOPSOIL MAY BE ADDED TO THE PLANTING MIX IF THE EXISTING SOIL IS OF POOR QUALITY. THE LANDSCAPE ARCHITECT WILL MAKE THIS DETERMINATION PRIOR TO THE BEGINNING OF WORK.
- COMMERCIAL FERTILIZER AND PRE-EMERGENT HERBICIDE PER MANUFACTURER'S RECOMMENDATIONS.
- SUBSTITUTIONS MAY BE MADE ON THE ADVICE OF THE LANDSCAPE ARCHITECT.
- MODIFIED BED PREPARATION
  - MODIFIED BED PREPARATION SHALL BE UTILIZED WITHIN THE DRIP LINE OF EXISTING TREES.
  - BEGIN BY CLEARING UNDERBRUSH AND DEBRIS. EXISTING MULCH SHALL ALSO BE RAKED BACK AND STOCKPILED FOR REUSE.
  - APPLY HERBICIDE APPROVED BY LANDSCAPE ARCHITECT FOR USE UNDER LIVE OAKS TO ELIMINATE EXISTING GRASS AND WEEDS. ALLOW TWO WEEKS FOR COMPLETE KILL.
  - PLANTING MIX. THE PLANTING MIX FOR ALL BED AREAS AND PITS SHALL CONSIST OF:
    - (1) CY ORGANIC SOIL CONDITIONER / 100 SF OF BED AREA
    - (1)  $\frac{3}{4}$  CF BALE OF COFFEE CHAFF OR PEAT MOSS / 100 SF OF BED AREA
    - ADD ORGANIC SOIL CONDITIONER AND PEAT MOSS TO A MAXIMUM OF 2" DEPTH. TILLING SHALL BE PROHIBITED WITHIN DRIP LINE.
    - PLANT MATERIAL SHALL BE PIT PLANTED IN THESE AREAS
    - HERBICIDE, FERTILIZER, AND TOP DRESSING AS LISTED IN FULL BED PREPARATION.
- PIT PLANTING. MULCH SURROUNDING, PREPARE PIT FOR NEW PLANT MATERIAL, AND AMEND SOIL WITHIN HOLE WITH NEW PLANTING MIX. ENTIRE AREA SHALL BE TOPDRESSED WITH A 3" MIN. LAYER OF PINESTRAW OR DECOMPOSED SHREDDED HARDWOOD MULCH. SEE PLAN FOR MULCH TYPE.

GENERAL IRRIGATION NOTES:

- CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO ILLUSTRATE MAINLINE LAYOUT, HEAD LAYOUT, & LAYOUT OF OTHER MAJOR IRRIGATION SYSTEM COMPONENTS.
- A FULLY AUTOMATED SPRINKLER IRRIGATION SYSTEM, CONSISTING OF POP UP SPRAYS AND ROTOR SPRINKLERS, WILL IRRIGATE TURF AND PLANTING BEDS. POP-UP BUBBLERS IRRIGATE TREES.
- POTABLE WATER WILL BE USED FOR IRRIGATION FROM EXISTING IRRIGATION MAINLINE.
- A STAND ALONE, PEDESTAL MOUNTED, TWO WIRE IRRIGATION CONTROLLER WILL BE INSTALLED UNDER THIS CONTRACT. THE CONTROLLER WILL UTILIZE A RAIN SENSOR.
- A MASTER VALVE AND FLOW SENSOR WILL BE INSTALLED TO SHUT DOWN THE IRRIGATION SYSTEM IN CASE OF MAINLINE PIPE FAILURE.
- ISOLATION GATE VALVES PERMIT THE ISOLATION OF SECTIONS OF THE SYSTEM FOR REPAIRS OR MAINTENANCE. QUICK COUPLING VALVES HAVE BEEN PROVIDED THROUGHOUT THE SITE FOR INCIDENTAL WATERING.
- TURF AREAS, BED AREAS, AND TREE BUBBLERS SHALL BE ON SEPARATE ZONES.

IRRIGATION NOTES:

- READ THOROUGHLY AND BECOME FAMILIAR WITH THE SPECIFICATIONS AND INSTALLATION DETAILS FOR THIS AND RELATED WORK PRIOR TO CONSTRUCTION.
- COORDINATE UTILITY LOCATES ("CALL BEFORE YOU DIG") OF UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.
- DO NOT PROCEED WITH THE INSTALLATION OF THE IRRIGATION SYSTEM WHEN IT IS OBVIOUS IN THE FIELD THAT OBSTRUCTIONS OR GRADE DIFFERENCES EXIST THAT MIGHT NOT HAVE BEEN CONSIDERED IN THE ENGINEERING, OR IF DISCREPANCIES IN CONSTRUCTION DETAILS, LEGEND, NOTES, OR SPECIFICATIONS ARE DISCOVERED. BRING ALL SUCH OBSTRUCTIONS OR DISCREPANCIES TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE.
- THE DRAWINGS ARE DIAGRAMMATIC. THEREFORE, THE FOLLOWING SHOULD BE NOTED:
  - IRRIGATION COMPONENTS MAY BE SHOWN OUTSIDE PLANTING AREAS FOR CLARITY. AVOID CONFLICTS BETWEEN THE IRRIGATION SYSTEM, PLANTING MATERIALS, AND ARCHITECTURAL FEATURES. INSTALL IRRIGATION PIPE AND WIRING IN LANDSCAPED AREAS WHENEVER POSSIBLE.
  - USE ONLY STANDARD TEES AND ELBOW FITTINGS. USE OF CROSS TYPE FITTINGS IS NOT PERMITTED.
- PROVIDE THE FOLLOWING COMPONENTS TO THE OWNER PRIOR TO THE COMPLETION OF THE PROJECT:
  - TWO OPERATING KEYS FOR EACH TYPE OF MANUALLY OPERATED VALVE.
  - TWO OF EACH SERVICING WRENCH OR TOOL NEEDED FOR COMPLETE ACCESS, ADJUSTMENT, AND REPAIR OF ALL SPRAY SPRINKLERS.
  - TWO QUICK COUPLING KEYS. EACH WITH ATTACHED SWIVEL HOSE EL FOR OPERATION OF THE QUICK COUPLING VALVES
- SELECT NOZZLES FOR SPRAY SPRINKLERS WITH ARCS WHICH PROVIDE COMPLETE AND ADEQUATE COVERAGE WITH MINIMUM OVERSPRAY FOR THE SITE CONDITIONS.
- THE IRRIGATION CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF IRRIGATION SLEEVING. SLEEVES ARE TO BE INSTALLED FOR BOTH PIPING AND ELECTRICAL WIRING AT EACH HARDSCAPE CROSSING. COORDINATE INSTALLATION OF SLEEVING WITH OTHER TRADES. ANY PIPE OR WIRE WHICH PASSES BENEATH EXISTING HARDSCAPE REQUIRES HORIZONTAL BORING BY THE IRRIGATION CONTRACTOR.
- CONNECT ELECTRICAL POWER TO THE IRRIGATION CONTROL SYSTEM IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE AND ALL APPLICABLE LOCAL ELECTRIC UTILITY CODES.
- WITH REGARD TO PIPE SIZING, THE FOLLOWING SHOULD BE NOTED: IF A SECTION OF UNSIZED PIPE IS LOCATED BETWEEN TWO IDENTICALLY SIZED SECTIONS, THE UNSIZED PIPE IS THE SAME NOMINAL SIZE AS THE TWO SIZED SECTIONS. THE UNSIZED PIPE SHOULD NOT BE CONFUSED WITH THE DEFAULT PIPE SIZE NOTED IN THE LEGEND.
- INSTALL VAN NOZZLES WHERE SPRAY ANGLES ARE LESS OR GREATER THAN WHAT A FIXED SPRAY NOZZLE CAN IRRIGATE WITHOUT EXCESSIVE OVERSPRAY.
- CONTRACTOR TO INSTALL SPRINKLERS PERPENDICULAR TO GRADE AND FINE GRADING TECHNIQUES EMPLOYED TO REDUCE SEDIMENT, HEAD DAMAGE, AND RUNOFF TO HARD SURFACES.
- CONTRACTOR MUST USE CYCLE/SOAK PROGRAMMING TECHNIQUES TO MINIMIZE RUN OFF.

NO.	REVISION	DATE



KEYPLAN