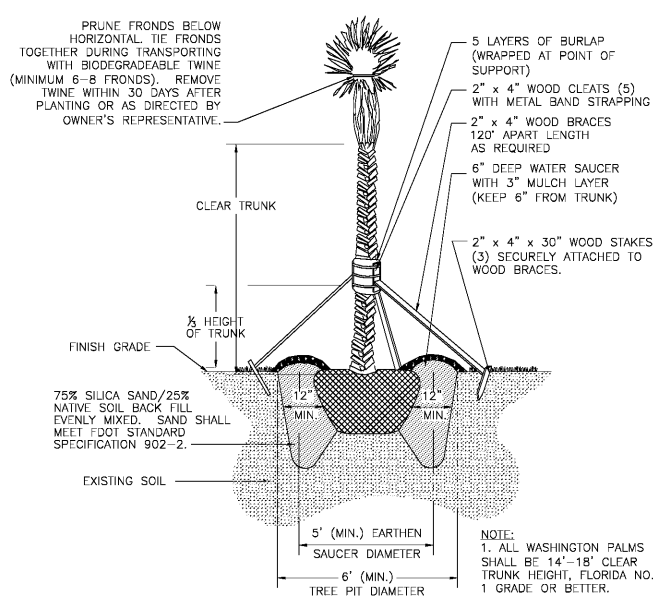
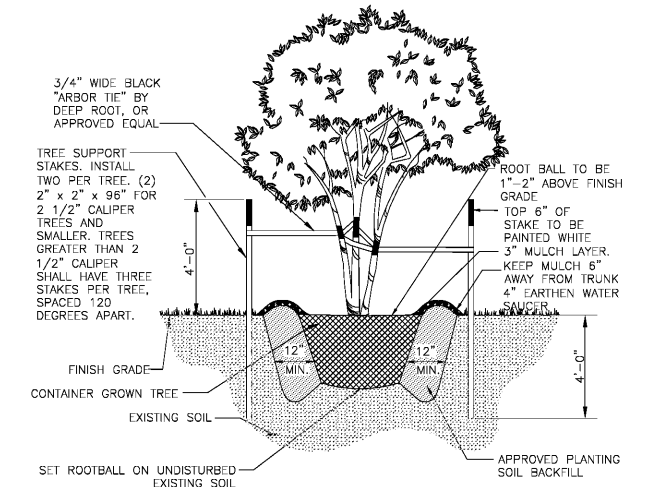


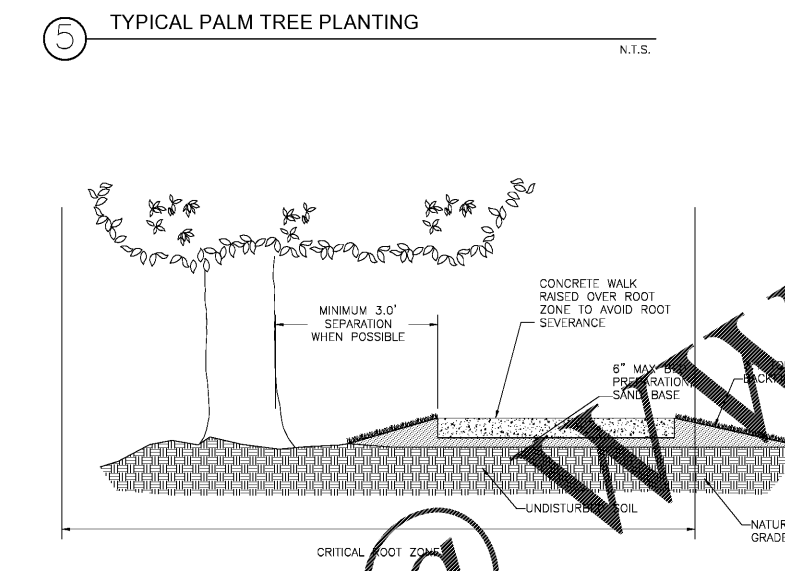
4 TYPICAL SINGLE TRUNK TREE PLANTING N.T.S.



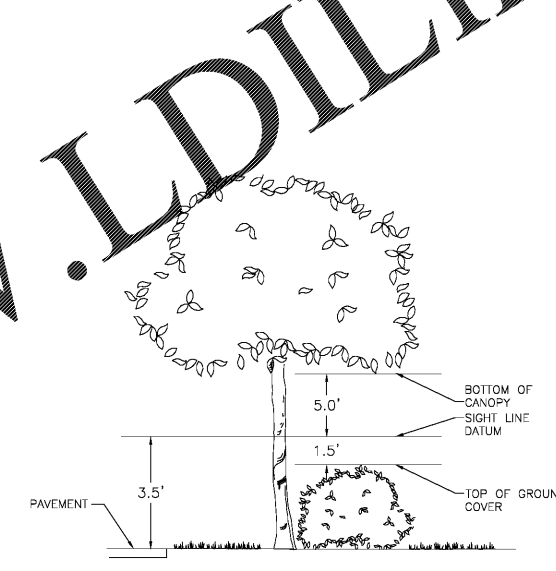
5 TYPICAL PALM TREE PLANTING N.T.S.



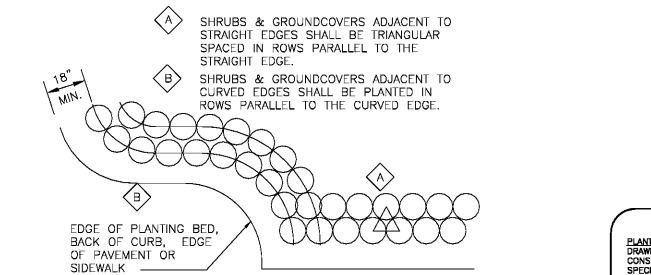
3 TYPICAL MULTI-TRUNK TREE PLANTING N.T.S.



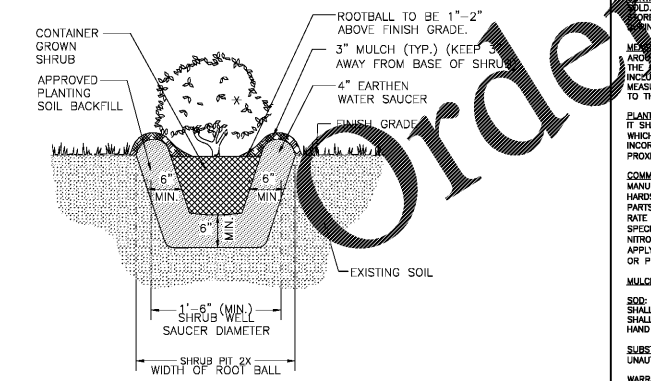
6 CONCRETE WALK OVER CRITICAL ROOT ZONE DETAIL N.T.S.



7 SIGHTLINE TRIANGLE N.T.S.



2 TYPICAL SHRUB BED PLANTING N.T.S.



1 TYPICAL SHRUB PIT PLANTING N.T.S.

6 CONCRETE WALK OVER CRITICAL ROOT ZONE DETAIL N.T.S.

7 SIGHTLINE TRIANGLE N.T.S.

SPECIFICATIONS

PLANT MATERIALS: ALL TREES, SHRUBS, GROUNDCOVERS, VIOLETAS, WATER PLANTS, SOO AND VINES SHALL CONFORM TO THOSE SPECIES AND SIZES INDICATED ON THE DRAWINGS. ALL NURSERY STOCK SHALL BE ACCORDANCE WITH THE STANDARDS FOR NURSERY PLANTS AS DETERMINED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES, UNLESS SPECIFIED OTHERWISE. ALL PLANTS SHALL BE THE FLORIDA GRADE NUMBER 1 OR BETTER AS DETERMINED BY THE FLORIDA DIVISION OF PLANT INDUSTRY. SPECIMEN MEANS LARGEST SPECIES THAT IS AVAILABLE UNLESS OTHERWISE SPECIFIED. BRANCHES, UNDESIRABLES AND STAMENARY TREES FOR PLANTING SHALL BE UNIFORM IN SIZE AND SHAPE. SINGLE TRUNK TREES SHALL HAVE A STRAIGHT, CENTRAL LEADER. MULTI-TRUNK TREES ARE TO HAVE 3-5 EQUAL SIZED TRUNKS UNLESS OTHERWISE SPECIFIED. BRANCHES WITH WOUNDS OR BURNED TRUNKS SHALL NOT BE ACCEPTED. PLANTS SHALL BE PRUNED PRIOR TO DELIVERY ONLY IF ACCORDANCE WITH INTERNATIONAL SOCIETY OF AMERICAN ARBORISTS TO INSURE PROPER HEALTH AND WOODROW GROWTH. ALL MATERIALS SHALL BE SUBJECT TO NATIVE ENGINEERING PLLC'S APPROVAL.

BALLED & BURLAPPED: ALL BALLED & BURLAPPED STOCK SHALL BE FRESHLY CUT, SOUND, HEALTHY, VIGOROUS, WELL-BRANCHED, FREE FROM DISEASE AND INSECTS, SECURE IN THE ROOTBALL, AND PROVIDED WITH ADEQUATE ROOT SYSTEMS. ALL BURLAP SHALL BE REMOVED FROM THE TOP ONE-THIRD OF THE BALL TO PREVENT MOISTURE. ANY BURLAP THAT IS NOT BIODEGRADABLE SHALL BE CAREFULLY REMOVED TO PREVENT DAMAGE TO FEEDER ROOTS. GROW BAGS SHALL BE REMOVED IN THEIR ENTIRETY. ALL BALLED & BURLAPPED STOCK THAT IS NOT IMMEDIATELY PLANTED, SHALL BE HELED IN AND THOROUGHLY WATERED UNTIL PLANTING. LIFTING, MOVING, OR ADJUSTING THE PLANT MATERIAL BY THE TRUNK IS PROHIBITED.

CONTAINER GROWN STOCK: CONTAINER GROWN STOCK SHALL BE HEALTHY, VIGOROUS, WELL-ROOTED (NOT ROOT BOUND), AND ESTABLISHED IN THE CONTAINER IN WHICH THEY ARE PLANTED. THE PLANTS SHALL HAVE TOPS OF GOOD QUALITY AND BE IN A HEALTHY GROWING CONDITION. ALL CONTAINER GROWN STOCK THAT IS NOT IMMEDIATELY PLANTED, SHALL BE HELED IN A MANNER TO SHADE THE CONTAINERS FROM DIRECT SUNLIGHT TO MINIMIZE ROOT DAMAGE. ALL CONTAINER STOCK SHALL BE THOROUGHLY WATERED PRIOR TO PLANTING AND STORED IN STORAGE UNTIL PLANTING. LIFTING AND MOVING OF THE PLANT MATERIAL SHALL BE BY THE CONTAINER ONLY.

MEASUREMENTS: TREES' HEIGHTS SHALL BE MEASURED FROM GROUND TO THE AVERAGE BRANCH HEIGHT OF CANOPY. SPREAD SHALL BE MEASURED TO THE END OF BRANCHING EQUALLY AROUND THE CENTER OF THE TRUNK. MEASUREMENTS SHALL NOT INCLUDE ANY TERMINAL GROWTH. SHRUBS' HEIGHT SHALL BE MEASURED FROM THE GROUND TO THE AVERAGE BRANCH HEIGHT OF CANOPY. SPREAD SHALL BE MEASURED TO THE END OF BRANCHING EQUALLY AROUND THE SHRUB MASS. MEASUREMENT SHALL NOT INCLUDE ANY TERMINAL GROWTH. PALMS SHALL BE MEASURED BY THREE HEIGHT CLASSIFICATIONS: OVERALL HEIGHT, CLEAR WOOD, AND GRAY WOOD. OVERALL HEIGHT SHALL BE MEASURED FROM THE GROUND TO THE AVERAGE FROND HEIGHT AT TIME OF INSTALLATION. CLEAR WOOD SHALL BE MEASURED FROM THE GROUND AT TIME OF INSTALLATION TO THE BOTTOM OF THE FROND SHEATH. GRAY WOOD SHALL BE MEASURED FROM THE GROUND AT TIME OF INSTALLATION TO THE TOP OF HARDENED WOOD.

PLANTING SOIL AND BACKFILL: PLANTING SOIL FOR USE IN PREPARING BACKFILL FOR PLANT PITS SHALL BE A FERTILE, FRAGILE, NATIVE SOIL WITHOUT MIXTURE OF SUBSOIL MATERIALS. IT SHALL BE FREE FROM HEAVY CLAY, STONES, LIME LUMPS, PLANTS, ROOTS OR OTHER FOREIGN MATERIALS, NOODUS GRASSES OR WEEDS. IT SHALL NOT CONTAIN TOXIC SUBSTANCES WHICH MAY BE HARMFUL TO PLANT GROWTH. AMEND BEDS WITH 3\"/>

COMMERCIAL FERTILIZER: FERTILIZERS SHALL BE UNIFORM IN COMPOSITION, DRY, AND FREE FLOWING AND DELIVERED TO THE SITE IN ORIGINAL UNOPENED BAGS BEARING ALL THE MANUFACTURER'S LABELS. ALL FERTILIZER IS TO BE SLOW RELEASE AND COMPLETE WITH NECESSARY MICRONUTRIENTS. AFTER INSTALLATION, FERTILIZER SHALL BE CLEANED FROM ALL HARDSCAPE SURFACES AND WATERED IN THOROUGHLY PER MANUFACTURER'S SPECIFICATIONS. TREES AND SHRUBS MIXTURE SHALL CONSIST OF A SLOW RELEASE THE FORMULATION OF 3 PARTS NITROGEN TO 1 PART PHOSPHORUS TO 2 PARTS POTASSIUM (3-1-2 RATIO). ALL TREES AND SHRUBS SHALL BE FERTILIZED BY MONTHLY DURING THE GROWING SEASON AT A RATE OF 4-8 LBS. OF A WATERED IN 100 SQ. FT. OF BEDS / TREE CANOPY (3\"/>

MULCH: MULCH MATERIAL SHALL BE PINE BARK MULCH OR APPROVED EQUAL, FREE FROM WEED SEEDS, AND APPLIED TO A MINIMUM 3\"/>

SOO: ALL SOO SHALL MEET FLORIDA STATE PLANT BOARD SPECIFICATIONS, ABSOLUTELY TRUE TO VARIETY TYPE, AND FREE FROM WEEDS, INSECTS, AND DISEASES OF ANY KIND. JOINTS SHALL BE STAGGERED AND BUTT TOGETH TO MINIMIZE AIR GAPS. THE GRADE SHALL BE SMOOTH, FREE OF DEBRIS, POSITIVELY DRAINED, AND MOST TO SOO INSTALLATION. THE SOO SHALL BE ROLLED IN TWO DIRECTIONS PERPENDICULAR FROM ONE ANOTHER AFTER INSTALLATION TO ENSURE PROPER CONTACT. IN AREAS WHERE A ROLLER CANNOT BE USED, HAND TAMPING SHALL BE REQUIRED. SOO SHALL BE INSTALLED AND WATERED WITHIN 24 HOURS AFTER HARVESTING.

SUBSTITUTIONS: NO SUBSTITUTION OF ANY MATERIALS, VARIETIES, GRADES, OR SIZES SHALL BE ALLOWED WITHOUT WRITTEN AUTHORIZATION FROM NATIVE ENGINEERING, INC. ANY/ALL UNAUTHORIZED SUBSTITUTIONS MAY REQUIRE REPAIRING/REPLACING AT THE CONTRACTOR'S EXPENSE AT NATIVE ENGINEERING, PLLC'S DISCRETION.

WARRANTY: THE CONTRACTOR SHALL WARRANT ALL WORKMANSHIP FOR THE PERIOD OF ONE YEAR AFTER FINAL ACCEPTANCE FROM THE OWNER AND NATIVE ENGINEERING, INC. ANY DEAD, UNHEALTHY, NON-CONFORMING PLANT MATERIAL SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE WITHIN 7 DAYS OF NOTICE FROM THE OWNER OR JOHNSON ENGINEERING, INC. THE CONTRACTOR SHALL NOT BE LIABLE FOR "ACTS OF GOD" AND VANDALISM, NEGLIGENCE AND THEFT BY OTHERS.

QUALITY ASSURANCE: THE CONTRACTOR SHALL PROVIDE SUBSTANTIAL PROOF THAT HE / SHE HAS A MINIMUM OF 5 YEARS EXPERIENCE IN THE FIELD OF LANDSCAPE CONTRACTING WITH PROJECTS OF SIMILAR SCOPE. THE CONTRACTOR MUST SUPPLY AT ALL TIMES ON SITE WHEN WORK IS BEING PERFORMED A QUALIFIED SUPERVISOR WITH A MINIMUM OF 18 MONTHS FIELD EXPERIENCE.

LANDSCAPE CONSTRUCTION NOTES

- ALL EXOTIC SPECIES, IE. BRAZILIAN PEPPER (SCHINUS MOLLE), PLUM TREES (MELALEUCA QUINQUELOEVA), AND CHINESE TALLOW (SAPINDUS MIFIDIFERUM), MUST BE REMOVED AS A CONDITION OF SITE DEVELOPMENT. WHERE NECESSARY DUE TO THEIR PROXIMITY TO PROTECTED PLANT MATERIAL, HAND REMOVAL WILL BE REQUIRED. SHOULD THIS REMOVAL BE TO A DEGREE THAT A POTENTIAL FOR EROSION IS CREATED, THE AREA MUST BE REHABILITATED WITH SUITABLE MATERIAL.
- ALL TRIMMING UNDERTAKEN ON A TREE, PROTECTED BY THE PROVISIONS OF THE LAND DEVELOPMENT CODE SHALL BE IN ACCORDANCE WITH THE AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) A-300 PRUNING STANDARDS.
- DURING LAND ALTERATION AND CONSTRUCTION ACTIVITIES, IT SHALL BE UNLAWFUL TO REMOVE VEGETATION BY GRUBBING OR TO PLACE SOIL DEPOSITS, DEBRIS, SOLVENTS, CONSTRUCTION MATERIAL, MACHINERY OR OTHER EQUIPMENT OF ANY KIND WITHIN THE DRIPLINE OF A TREE UNLESS OTHERWISE APPROVED BY THE COUNTY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF ALL UTILITIES AND SERVICES BOTH UNDERGROUND AND OVERHEAD PRIOR TO THE COMMENCEMENT OF WORK. PROTECTION OF ALL UTILITIES AND SERVICES THROUGHOUT THE COURSE OF WORK IS EXPECTED.
- ALL LANDSCAPE AREAS (EXCEPT FOR PLANTING BEDS) SHALL BE SLOTTED UNLESS OTHERWISE INDICATED ON THE DRAWINGS. CONTRACTOR SHALL GET APPROVAL OF FINE GRADING FROM LANDSCAPE ARCHITECT PRIOR TO THE INSTALLATION OF TURF. GRADING FOR LANDSCAPE SERVING SHOWN ON PLANS AND DETAILS IS APPROXIMATE ONLY. CONTRACTOR SHALL COVER WITH LANDSCAPE ARCHITECT PRIOR TO COMMENCING THIS WORK TO CONFIRM ACTUAL SHAPES AND ELEVATIONS OF THE LANDSCAPE BERMING. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO FINISH GRADE ALL LANDSCAPE AREAS ELIMINATING ALL BUMPS, DEPRESSIONS, ROCKS, STICK, OR OTHER DEBRIS PRIOR TO THE INSTALLATION OF PLANT MATERIAL. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR MAINTAINING POSITIVE SHEET FLOW DRAINAGE AWAY FROM ALL STRUCTURES AND TO ALL DRAINAGE WAYS SHOWN OR IMPLIED ON THE DRAWINGS.
- THE CONTRACTOR SHALL COORDINATE ALL WORK WITH ALL TRADES SO AS TO AVOID ANY CONFLICT WITH THE EXECUTION OF WORK BY OTHERS. OWNER SHALL NOT BE RESPONSIBLE FOR THE DAMAGE TO PLANT MATERIALS CAUSED BY OTHER TRADES OR SUBCONTRACTORS. THE CONDITION OF PLANT MATERIAL SHALL BE IN ACCORDANCE TO THE COUNTY CODE.
- INSTALLATION OF INTERLOCKING PAVERS SHALL HAVE A BASE USING ROAD-BASE CRUSHED STONE OR ASTM D2940, COMPACTED TO 90% DENSITY FOR PEDESTRIAN & LIGHT VEHICULAR TRAFFIC. SOO FOR HEAVY VEHICULAR TRAFFIC. PROVIDE PITCH FOR DRAINAGE. ONE INCH PER TEN FEET OF PAVING SURFACE. TO BE DONE DURING SUB-GRADE PREPARATION. BEDDING SAND SHOULD BE 1\"/>
- ALL LANDSCAPE AREAS SHALL BE PROTECTED FROM VEHICULAR ENCRoACHMENT BY WHEELSTOPS AND/OR CURBING WHERE IMMEDIATELY ADJACENT TO PAVEMENT.
- THE CONTRACTOR SHALL VERIFY ALL QUANTITIES ON THE DRAWINGS PRIOR TO BIDDING. ALL QUANTITIES ON THE DRAWINGS ARE PROVIDED FOR CONVENIENCE ONLY.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL APPLICABLE PERMITS.

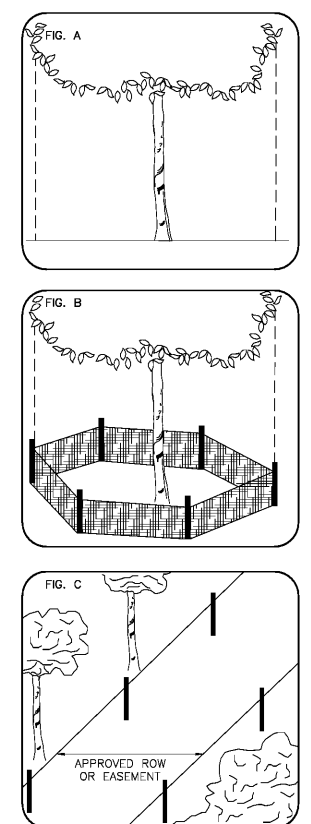
PROTECTIVE BARRIER NOTES

PROTECTIVE BARRIERS MUST BE ERRECTED AROUND TREES TO BE RETAINED WITHIN AN AREA WHERE LAND ALTERATION AND CONSTRUCTION ACTIVITIES WILL OCCUR AS WELL AS ALONG NATURAL AREAS WHERE SUCH AREAS ARE ADJACENT TO PERMITTED LAND ALTERATION OR CONSTRUCTION ACTIVITIES. A PROTECTIVE BARRIER MUST REMAIN IN PLACE UNTIL THE LAND ALTERATION AND CONSTRUCTION ACTIVITIES ARE COMPLETED OR UNTIL COMMENCEMENT OF GRADE FINISHING AND SOOING. NO GROUND DISTURBANCE MUST OCCUR WITHIN THE BARRICADED AREA. THE FOLLOWING REPRESENTS THE COUNTY'S MINIMUM PROTECTIVE BARRIER SPECIFICATIONS.

- TREES TO RESTRICT ACCESS INTO THE AREA WITHIN THE CANOPY DRIPLINE OF A TREE, A PHYSICAL STRUCTURE NOT LESS THAN 3 FEET IN HEIGHT, COMPRISED OF WOOD OR OTHER SUITABLE MATERIAL, IS PLACED AROUND THE TREE AT THE CANOPY DRIPLINE, EXCEPT WHERE LAND ALTERATION OR CONSTRUCTION ACTIVITIES ARE APPROVED WITHIN THE CANOPY DRIPLINE. THE CANOPY DRIPLINE OF A TREE IS THE MAGNARY, VERTICAL LINE THAT EXTENDS DOWNWARD FROM THE OUTERMOST TIPS OF THE TREE'S BRANCHES TO THE GROUND. FIG. A
- BARRIER SPECIFICATIONS FOR TREES**
 - FOUR CORNER UPRIGHT STAKES OF NO LESS THAN 2\"/>
 - NO LESS THAN 2\"/>
 - NO LESS THAN 2\"/>
- NATURAL AREAS** - TO RESTRICT ACCESS INTO AREAS WHERE LAND ALTERATION AND CONSTRUCTION ACTIVITIES ARE NOT AUTHORIZED A PHYSICAL STRUCTURE NOT LESS THAN 3 FEET IN HEIGHT IS PLACED ALONG THE PERIMETER OF SUCH AREAS.
 - BARRIER SPECIFICATIONS FOR NATURAL AREAS**
 - UPRIGHT STAKES OF NO LESS THAN 2\"/>
 - FLAGGED WITH PLASTIC SURVEYING TAPE AT REGULAR INTERVALS OF 5'-10'. FIG. C. OTHER METHODS OF DEMARCATION WILL BE CONSIDERED DEPENDING UPON THE CHARACTERISTICS OF THE SITE.

WHY A BARRIER

- TO PROTECT ALL ABOVE GROUND PORTIONS OF TREES AND OTHER SIGNIFICANT VEGETATION FROM MECHANICAL DAMAGE.
- TO PROTECT ROOT SYSTEMS FROM COMPACTION.
- TO PROVIDE AWARENESS OF PROTECTED AREAS TO EQUIPMENT OPERATORS.



REVISIONS

NO.	DATE	DESCRIPTION

NATIVE engineering,plc
 P.O. BOX 2905
 LAND O' LAKES, FL 34639
 (813) 536-2539
 CERTIFICATE OF AUTHORIZATION NUMBER: 28799

AUTO REPAIR @ GOLDENROD MARKETPLACE
 FOR
AMPROP ENTERPRISES GOLDENROD, LLC
 4201 WEST CYPRESS STREET, TAMPA, FL 33607

LANDSCAPE DETAILS

JOSHUA S. BRADLEY
 State of Florida,
 Professional Engineer,
 License No. 60020

THIS DRAWING HAS BEEN DIGITALLY SIGNED AND SEALED BY: JOSHUA S. BRADLEY ON THE DATE INDICATED HEREIN. PRINTED AND SEALED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

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