- THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND BASE INFORMATION PRIOR TO INITIATING PLANTING INSTALLATION. ALL EXISTING PLANTING SHALL REMAIN INTACT AND UNDISTURBED UNLESS OTHERWISE NOTED ON THE PLANS.
- 2. 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. DRAWINGS ARE PREPARED ACCORDING TO THE BEST INFORMATION AVAILABLE AT THE TIME OF PREPARING THESE DOCUMENTS.
- 3. CONTRACTOR SHALL FAMILIARIZE HIMSELF/HERSELF WITH EXISTING SITE CONDITIONS PRIOR TO INITIATING PLANTING. ALL EXISTING SITE FURNISHINGS, PAVING, LANDSCAPE AND OTHER ELEMENTS TO REMAIN SHALL BE PROTECTED FROM ANY DAMAGE UNLESS OTHERWISE NOTED.
- I. UNLESS OTHERWISE NOTED, THE LIMITS OF CONSTRUCTION ARE THE CLEARING LIMITS NOTED ON THE DRAWINGS. (REFER TO CIVIL ENGINEERING DRAWINGS).
- 5. REPORT ANY DISCREPANCIES BETWEEN THE CONSTRUCTION DRAWINGS AND FIELD CONDITIONS TO THE OWNER'S REPRESENTATIVE IMMEDIATELY.
- 6. LANDSCAPE CONTRACTOR SHALL COORDINATE ALL WORK WITH RELATED CONTRACTORS AND WITH THE GENERAL CONSTRUCTION OF THE PROJECT IN ORDER NOT TO IMPEDE THE PROGRESS OF THE WORK OF OTHERS OR THE CONTRACTOR'S OWN WORK.
- 7. CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE EXISTING GROUND COVER FOR ALL PLANTING BEDS AS SPECIFIED PRIOR TO PLANTING INSTALLATION. CONTRACTOR SHALL BE RESPONSIBLE TO REPLACE ALL PORTIONS OF EXISTING LAWN AREAS DAMAGED WHILE COMPLETING PLANTING INSTALLATION WITH THE SAME GRASS SPECIES TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE.
- 3. CONTRACTOR SHALL PERFORM SOIL TESTING PRIOR TO INSTALLATION TO DETERMINE NUTRIENTS PRESENT IN SOIL, PH OF SOIL, AND SOIL TEXTURE OF TOP 12" OF SOIL. BASED ON THE RESULTS OF THE TESTS THE CONTRACT SHALL MAKE THE NECESSARY AMENDMENTS TO SUPPORT THE HEALTH OF THE NEWLY INSTALLED PLANTS.
- ALL PLANT MATERIAL SHALL BE IN FULL AND STRICT ACCORDANCE WITH THE "AMERICAN STANDARD FOR NURSERY STOCK" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN (AAN) AND THE PROJECT MANUAL AND SPECIFICATIONS. PLANT MATERIALS SHALL EXCEED IN SOME INSTANCES SOME SPECIFICATIONS IF NECESSARY TO MEET THE MINIMUM REQUIREMENTS OF OTHERS.
- 10. ALL PLANT MATERIAL SHALL BE IN FULL AND STRICT ACCORDANCE WITH THE FLORIDA GRADES AND STANDARDS FOR NURSERY PLANTS AS PUBLISHED BY THE STATE OF FLORIDA DEPARTMENT OF AGRICULTURE. ALL PLANT MATERIAL SHALL MEET FLORIDA #1 OR BETTER.
- 11. ALL TREES SHALL HAVE SIX FEET (6') CLEAR TRUNK UNLESS OTHERWISE SPECIFIED.
- 12. ALL CONTAINER SIZES NOTED ON PLANT LIST ARE MINIMUM. INCREASE SIZE IF NECESSARY TO CONFORM TO PLANT SIZE AND SPECIFICATIONS. ANY MATERIAL NOT MEETING THE SPECIFIED SIZE SHALL BE REMOVED AND REPLACED AT CONTRACTOR'S EXPENSE.
- 13. ALL TREE CALIPER SIZES NOTED ON PLANT LIST ARE MINIMUM. INCREASE SIZE IF NECESSARY TO CONFORM TO PLANT SIZE AND SPECIFICATIONS.ANY MATERIAL NOT MEETING THE SPECIFIED SIZE SHALL BE REMOVED AND REPLACED AT CONTRACTOR'S EXPENSE.
- 14. ANY TREES WITH A TRUNK FORMED "V" SHAPE CROTCH WILL BE REJECTED.
- 15. EROSION CONTROL FABRIC SHALL BE INSTALLED IN ALL SHRUB AND GROUND COVER PLANTING AREAS AS PER SPECIFICATIONS FOR ALL SLOPES THAT EXCEED 3:1 . SEE GRADING PLANS FOR LOCATION OF SLOPES GREATER THAN 3:1 AND ADJACENT TO ANY WETLAND AREAS.
- 16. TYPICALLY, 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 UNDER "SPACING" ON THE PLANT LIST.
- 17. 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/OR LANDSCAPE ARCHITECT. ANY MATERIAL INSTALLED WITHOUT APPROVAL IS SUBJECT TO BEING RELOCATED AT THE CONTRACTOR'S EXPENSE.
- 18. 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.
- 19. CONTRACTOR SHALL MULCH ALL NEW PLANT MATERIAL THROUGHOUT AND COMPLETELY TO DEPTH OF 3" UTILIZING HARDWOOD MULCH UNLESS OTHERWISE SPECIFIED.
- 20. ANY SUBSTITUTIONS IN SIZE AND/OR PLANT MATERIAL MUST BE APPROVED BY LANDSCAPE ARCHITECT AND/OR OWNER'S REPRESENTATIVE BEFORE PLANTING CAN REGIN
- 21. CONTRACTOR SHALL REFER TO THE LANDSCAPE PLANTING DETAILS, PLANT LIST, GENERAL NOTES AND THE PROJECT MANUAL (IF AVAILABLE) AND SPECIFICATIONS FOR FURTHER AND COMPLETE LANDSCAPE PLANTING INSTRUCTIONS.
- 22. LANDSCAPE CONTRACTOR SHALL COORDINATE ALL LANDSCAPE PLANTING WORK WITH IRRIGATION WORK. LANDSCAPE WATERING AS REQUIRED BY OWNER'S REPRESENTATIVE TO SUPPLEMENT IRRIGATION WATERING AND RAINFALL. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR HAND WATERING IN ALL PLANTING AREAS, REGARDLESS OF THE STATUS OF EXISTING OR PROPOSED IRRIGATION.
- 23. 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 AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
- 24. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR FINE GRADING OF ALL AREAS INCLUDING CREATING POSITIVE DRAINAGE AWAY FROM BUILDINGS.
- 25. LANDSCAPE CONTRACTOR SHALL RE-GRADE ALL AREAS DISTURBED BY PLANT REMOVAL, RELOCATION AND/OR INSTALLATION WORK. 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.
- 26. CONTRACTORS SHALL COMPLY WITH ALL NPDES REQUIREMENTS.

CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE/ SPECIFICATION	SPACI
TREES		Acer rubrum	Dad Manla	011 OAL 40 44 LIT	Λ.Ο
AR	80		Red Maple	3" CAL., 12-14` HT.	A.S.
MG	76	Magnolia grandiflora	Southern Magnolia	3" CAL. 10'-12' HT.	A.S.
QV	101	Quercus virginiana	Southern Live Oak	3" CAL. 14'-16' HT.	A.S.
UA	80	Ulmus alata	Winged Elm	3`` CAL. 10`-12` HT MIN.	A.S.
PALMS					
SP	75	Sabal palmetto	Cabbage Palmetto	8'-10' HT. CT, MIN.,	
CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE/ SPECIFICATION	SPACIN
SHRUB cs vo	136 1,014	Conocarpus erectus sericeus Viburnum odoratissimum	Silver Buttonwood Sweet Viburnum	24" HT. X 24" SPD. 24" HT. X 24" SPD.	36" o.c.
			Sweet visamani	Στ ΤΠ. Χ Στ ΟΙ Β.	00 0.0.
SHRUB CV	B AREAS	Codiaeum variegatum	Croton	18" HT. X 18" SPD.	30" o.c.
DE	55	Duranta erecta 'Gold Mound'	Gold Mound Dewdrops	16" HT. X 16" SPD.	30" o.c.
HP	45	Hamelia patens `Compacta`	Dwarf Firebush	16" HT. X 16" SPD.	36" o.c.
	53	Ixora x 'Maui'	Maui Ixora	16" HT. X 16" SPD.	30" o.c.
IM					
IM JM		Jasminum multiflorum	Downey Jasmine	18" HT. X 18" SPD.	36" o.c.
JM	43	Jasminum multiflorum Leucophyllum frutescens	Downey Jasmine Texas Sage	18" HT. X 18" SPD.	36" o.c.
JM LF	43 30	Leucophyllum frutescens	Texas Sage	16" HT. X 18" SPD.	30" o.c.
JM LF LC	43 30 114	Leucophyllum frutescens Loropetalum chinense `Ruby`	Texas Sage Ruby Loropetalum	16" HT. X 18" SPD. 16" HT. X 16" SPD.	30" o.c.
JM LF LC PV	43 30 114 18	Leucophyllum frutescens Loropetalum chinense `Ruby` Pittosporum tobira `Variegata`	Texas Sage Ruby Loropetalum Variegated Japanese Pittosporum	16" HT. X 18" SPD. 16" HT. X 16" SPD. 16" HT. X 16" SPD.	30" o.c. 30" o.c. 30" o.c.
JM LF LC	43 30 114	Leucophyllum frutescens Loropetalum chinense `Ruby`	Texas Sage Ruby Loropetalum	16" HT. X 18" SPD. 16" HT. X 16" SPD.	30" o.c.
JM LF LC PV RI	43 30 114 18 177	Leucophyllum frutescens Loropetalum chinense `Ruby` Pittosporum tobira `Variegata` Rhaphiolepis indica	Texas Sage Ruby Loropetalum Variegated Japanese Pittosporum Indian Hawthorn	16" HT. X 18" SPD. 16" HT. X 16" SPD. 16" HT. X 16" SPD. 12" HT. X 14" SPD.	30" o.c. 30" o.c. 30" o.c. 24" o.c.
JM LF LC PV RI ST	43 30 114 18 177 88	Leucophyllum frutescens Loropetalum chinense `Ruby` Pittosporum tobira `Variegata` Rhaphiolepis indica Schefflera arboricola 'Trinette' ERS	Texas Sage Ruby Loropetalum Variegated Japanese Pittosporum Indian Hawthorn Trinette Variegated Schefflera	16" HT. X 18" SPD. 16" HT. X 16" SPD. 16" HT. X 16" SPD. 12" HT. X 14" SPD. 12" HT. X 18" SPD.	30" o.c. 30" o.c. 30" o.c. 24" o.c. 30" o.c.
JM LF LC PV RI ST	43 30 114 18 177 88 ND COV	Leucophyllum frutescens Loropetalum chinense `Ruby` Pittosporum tobira `Variegata` Rhaphiolepis indica Schefflera arboricola 'Trinette' ERS Agapanthus x `Africanus`	Texas Sage Ruby Loropetalum Variegated Japanese Pittosporum Indian Hawthorn Trinette Variegated Schefflera African Lily	16" HT. X 18" SPD. 16" HT. X 16" SPD. 16" HT. X 16" SPD. 12" HT. X 14" SPD. 12" HT. X 18" SPD.	30" o.c. 30" o.c. 30" o.c. 24" o.c. 30" o.c.
JM LF LC PV RI ST	43 30 114 18 177 88	Leucophyllum frutescens Loropetalum chinense `Ruby` Pittosporum tobira `Variegata` Rhaphiolepis indica Schefflera arboricola 'Trinette' ERS	Texas Sage Ruby Loropetalum Variegated Japanese Pittosporum Indian Hawthorn Trinette Variegated Schefflera	16" HT. X 18" SPD. 16" HT. X 16" SPD. 16" HT. X 16" SPD. 12" HT. X 14" SPD. 12" HT. X 18" SPD.	30" o.c. 30" o.c. 30" o.c. 24" o.c. 30" o.c.

TREE REPLACEMENT/ MITIGATION OVERALL DEVELOPMENT TREE REMOVAL 82.21 AC. (410" REMOVED) PROPORTIONATE SHARE REPLACEMENT 118" INCHES THIS PROJECT PROJECT AREA: 23.78 AC. 954" REQUIRED MITIGATION INCHES (40"/AC.) TOTAL REQUIRED REPLACMENT/ 1, 072" MITIGATION INCHES TOTAL PROPOSED TREE REPLACEMENT INCHES (3" REPLACEMENT PER TREE/ 2.5" 1073.5" PER THREE (3) PALMS) SURPLUS:TOTAL REPLACEMENT/ +1.5" MITIGATION INCHES

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VENICE AT HAMLET CROSSING
VENICE, FLORIDA
PERMIT
GENERAL LANDSCAPE NOTES

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IRRIGATION NOTES

782

All required landscaping areas shall be irrigated by a permanent irrigation system that meets the following requirements, consistent with Strategy IN 1.4.6 of the City's Comprehensive Plan:

Trachelospermum asiaticum 'Minima'

***Contractor shall adhere to species and size specifications as shown in schedule.

Trachelospermum jasminoides 'Confederate' | Confederate Jasmine

1. Irrigation systems shall be water efficient with WaterSense (as administered by the United States Environmental Protection Agency) labeled irrigation controllers, to meet watering needs of a landscape without overwatering.

2. Irrigation systems shall not be connected to both potable and non-potable sources to avoid contaminating potable water supplies.

3. Irrigation system piping shall be underground.

4.All required irrigation systems must be designed to minimize the application of water to impervious areas.

5. Irrigation systems shall be operated by an automatic irrigation controller and/or timer, and with a rain sensor.

6. The design of the irrigation system shall include sprinkler heads and devices appropriate for the landscape material to be irrigated.

7.The developer/owner is responsible for maintenance of the required irrigation system consistent with the development order, the provisions of this section, and F.S. § 373.62, as may be amended.

8. Reclaimed water shall be used for irrigation where available.

PARKING LOT LANDSCAPE COVERAGE

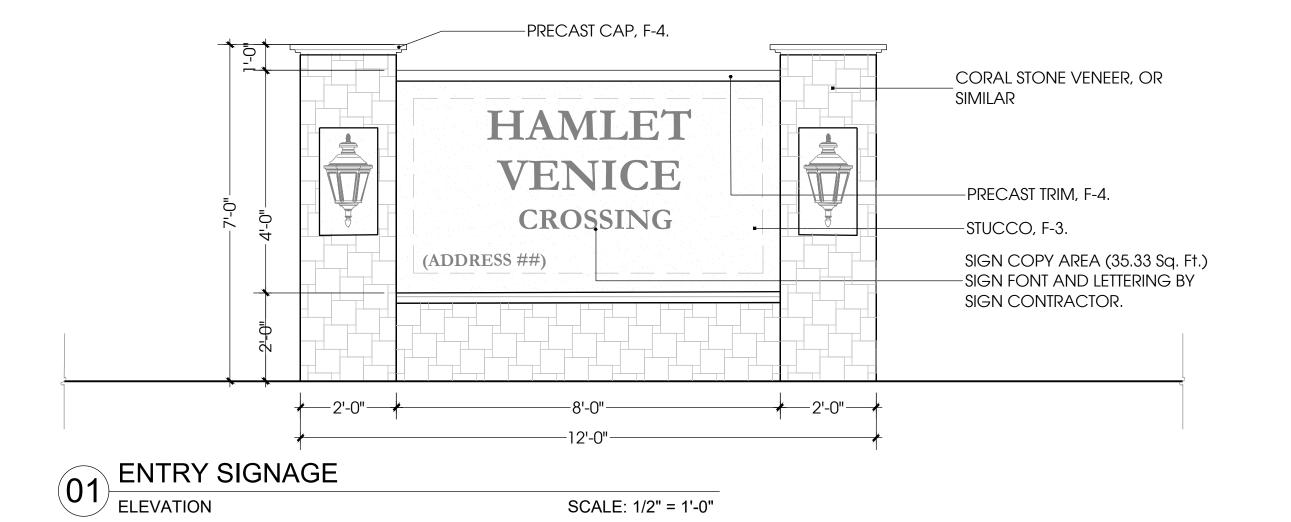
(PER CH. 87, SEC. 3.7.5.3.1)

VEHICULAR PARKING LOT AREA	<u>227, 096</u> S.F.
PARKING LOT LANDSCAPE AREA	<u>22, 908</u> S.F.
LANDSCAPE AREA COVERAGE	10.09%

LANDSCAPE NOTES

Minima Jasmine

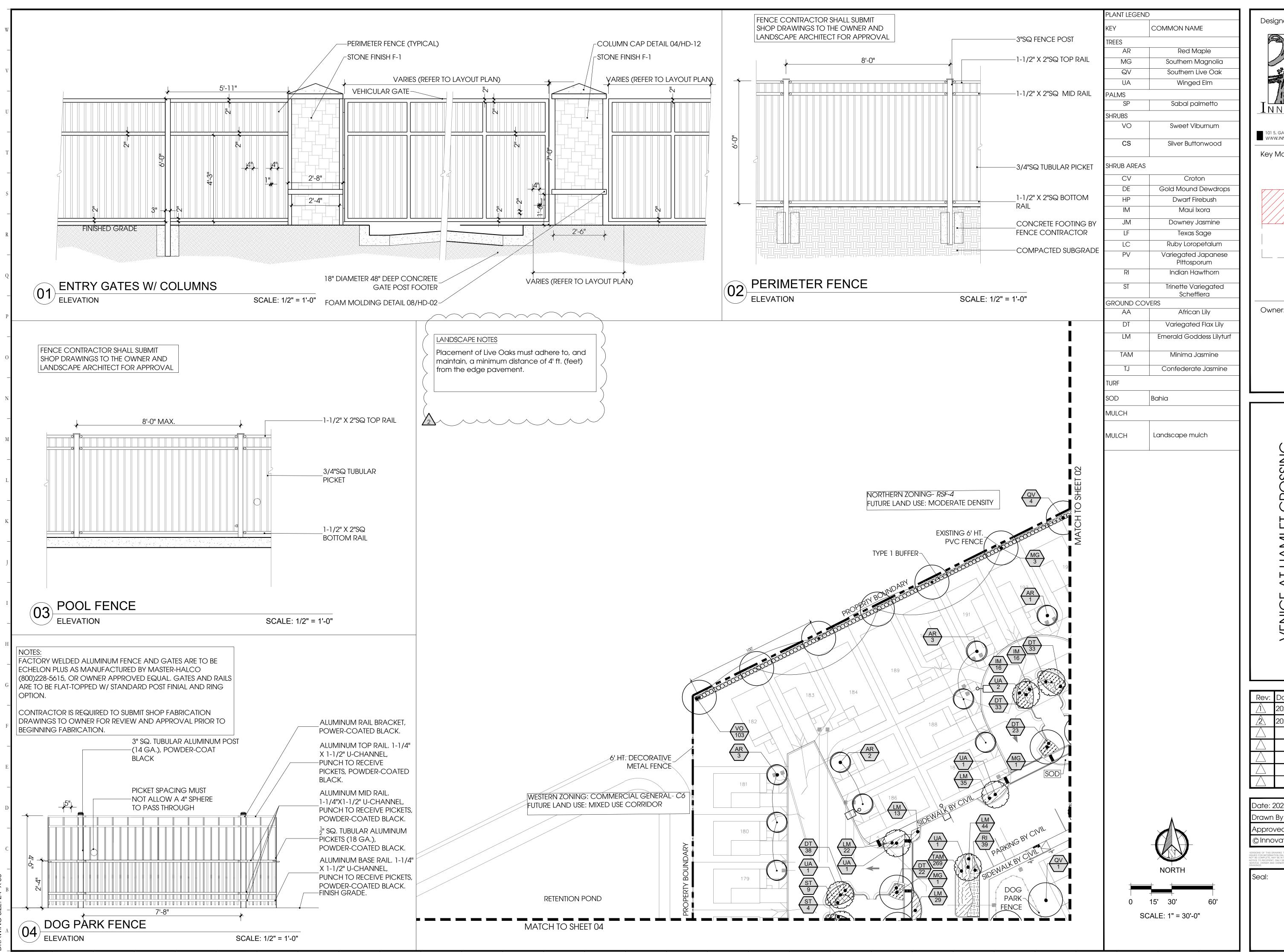
All required material must be Native Florida and/or Florida Friendly (as identified in the Florida—Friendly Plant Database administered by the IFAS Extension). Existing Florida—native plant material shall be given priority for preservation in development.



12" o.c.

24" o.c.

1 GAL., Full Pot 1 GAL. FULL POT



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VENICE AT HAMLET CROSSING
VENICE, FLORIDA
PERMIT
LANDSCAPE PLAN

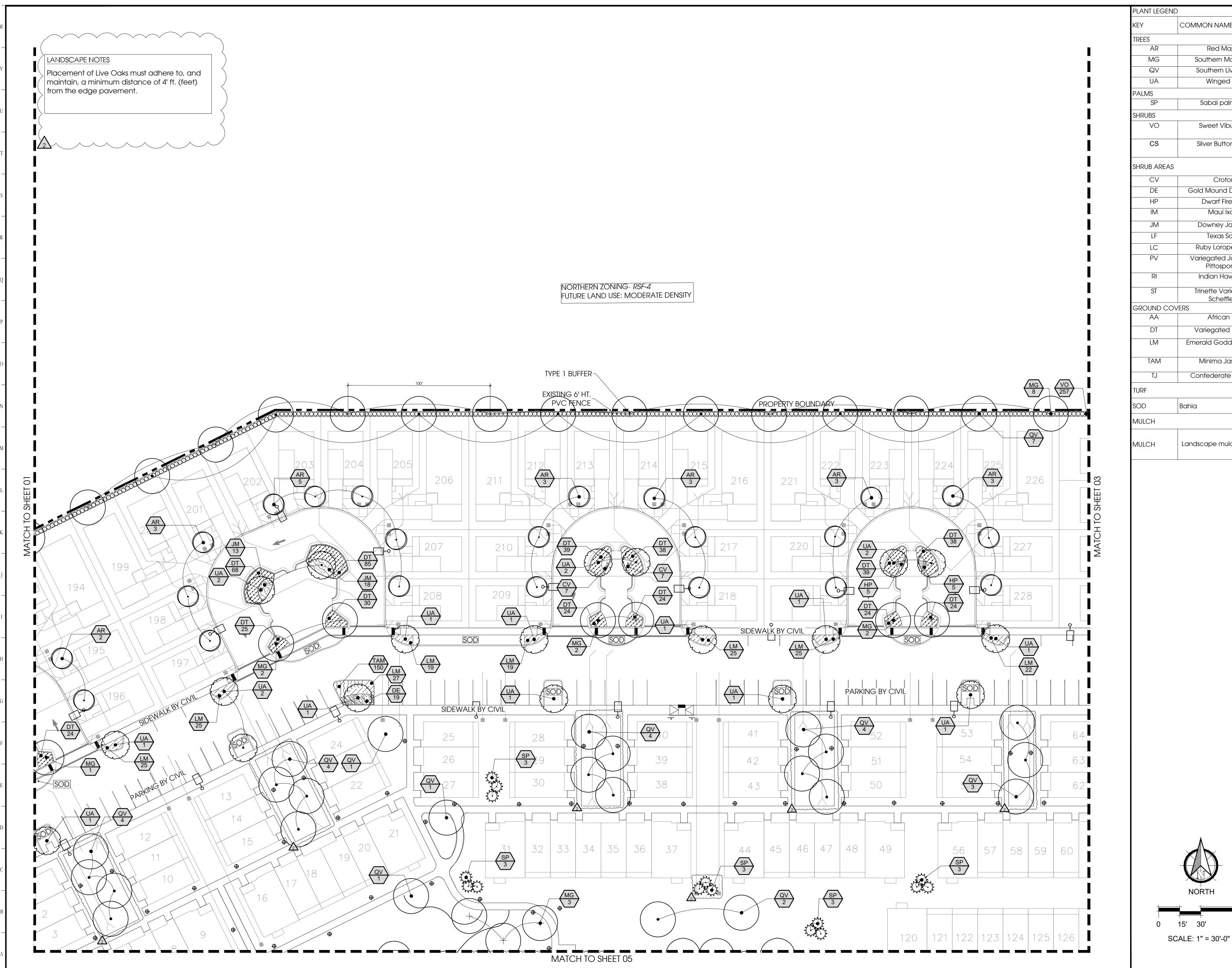
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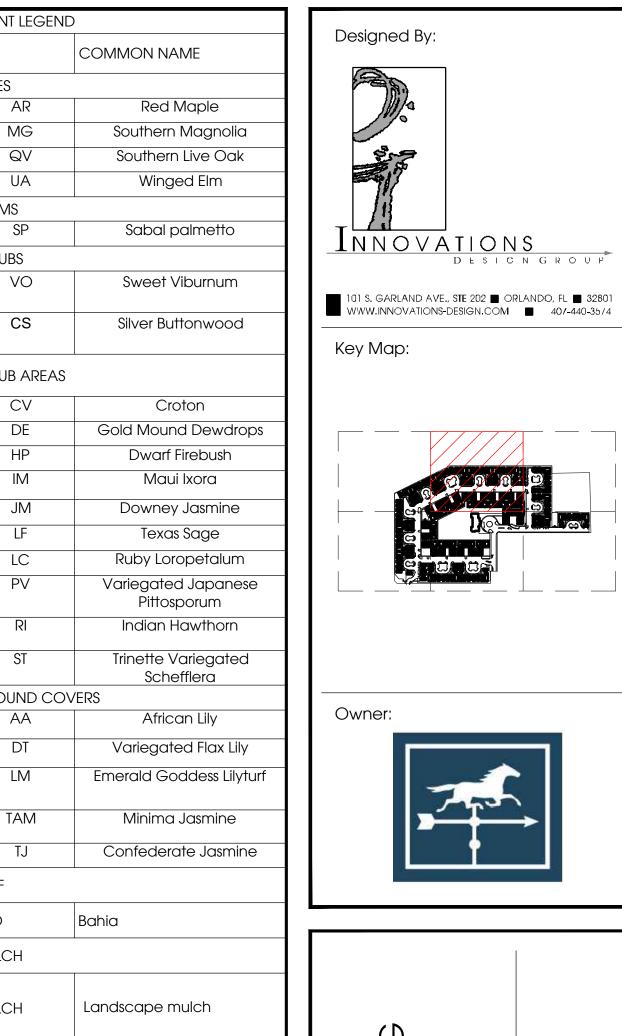
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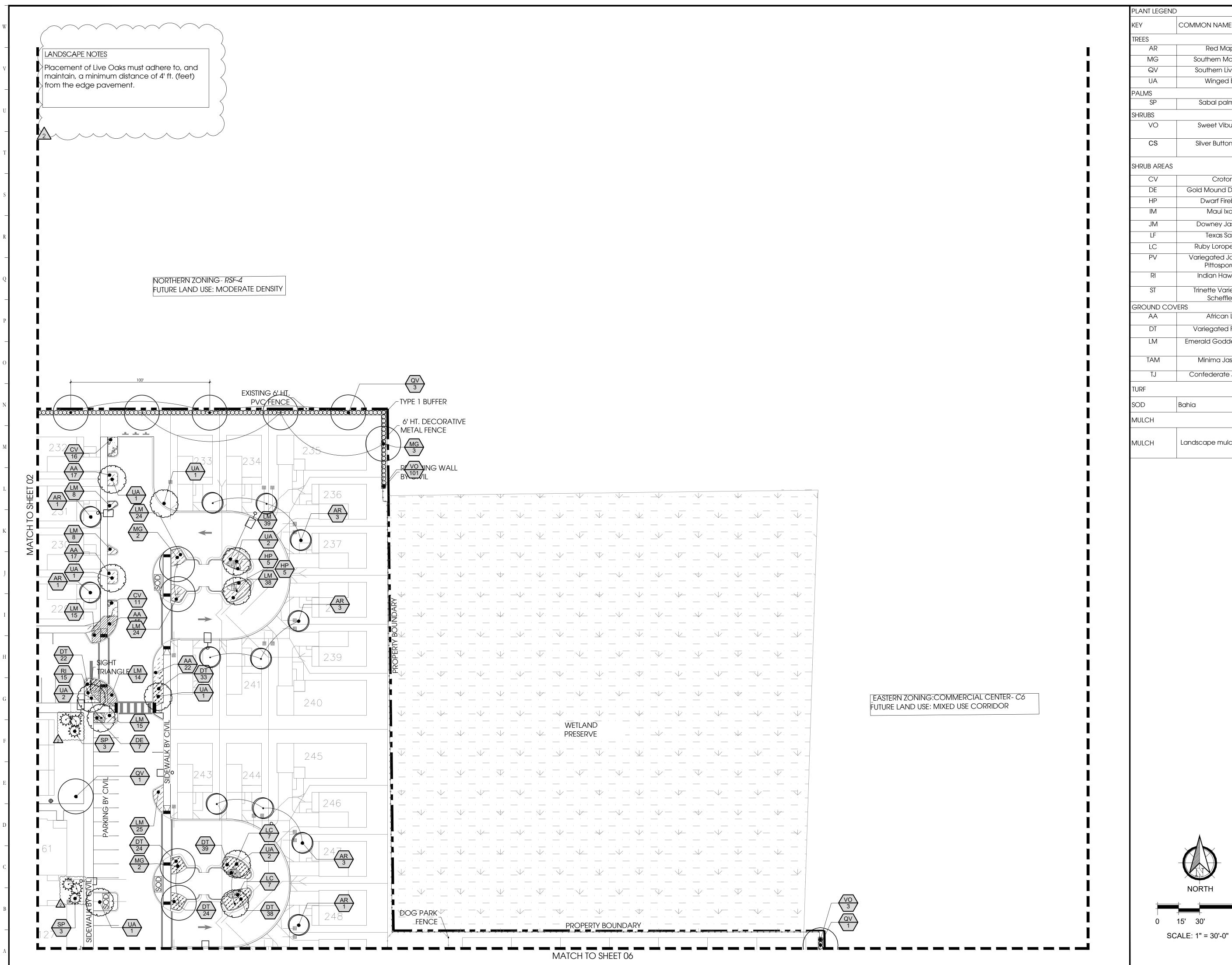


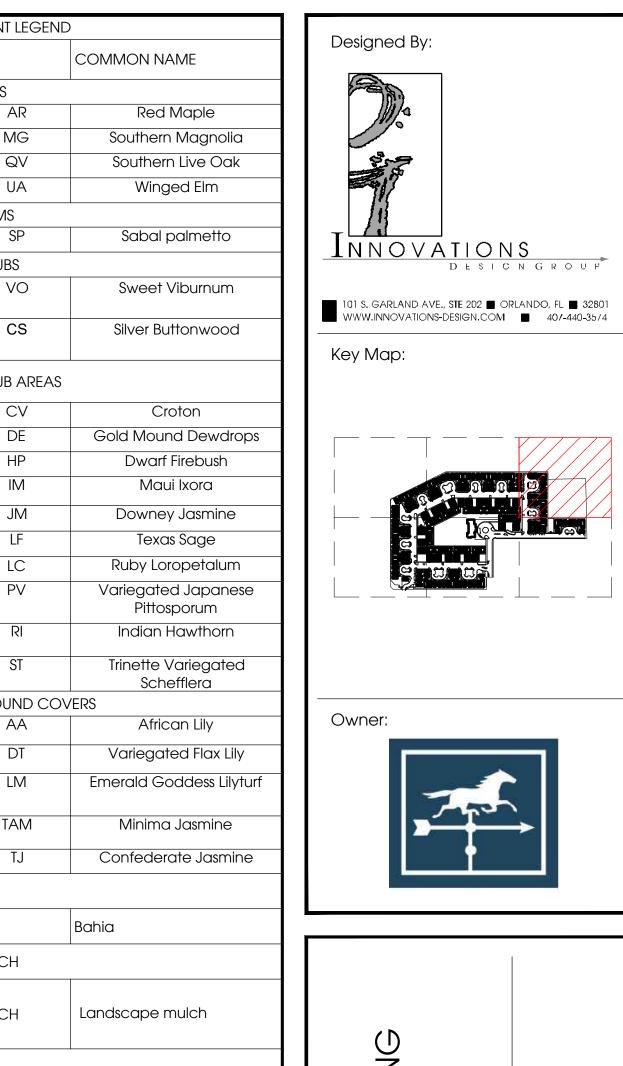
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VENICE, FLORIDA

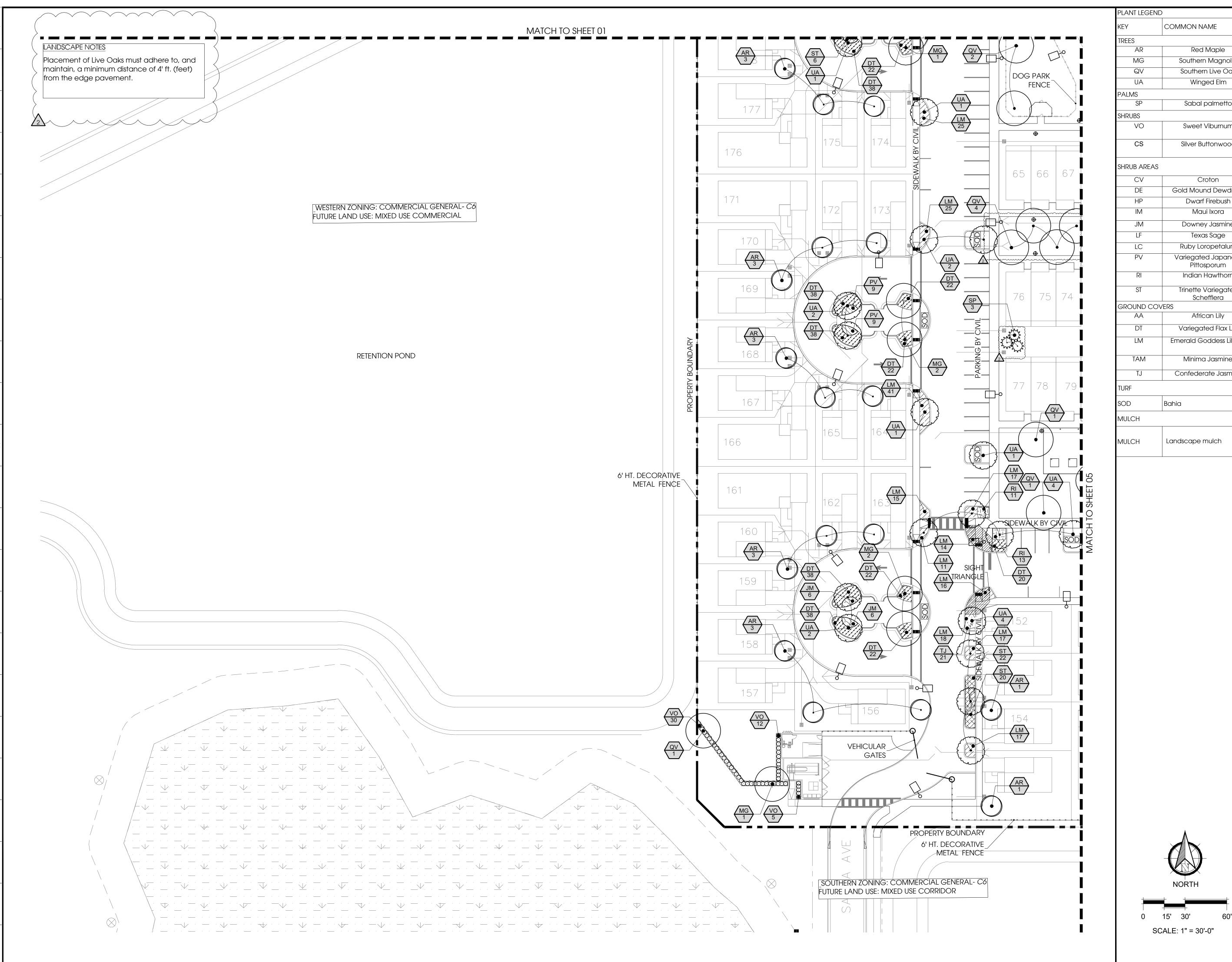
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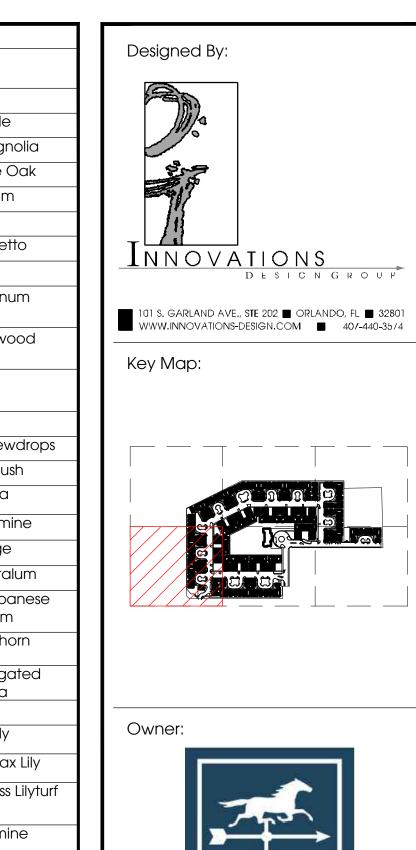
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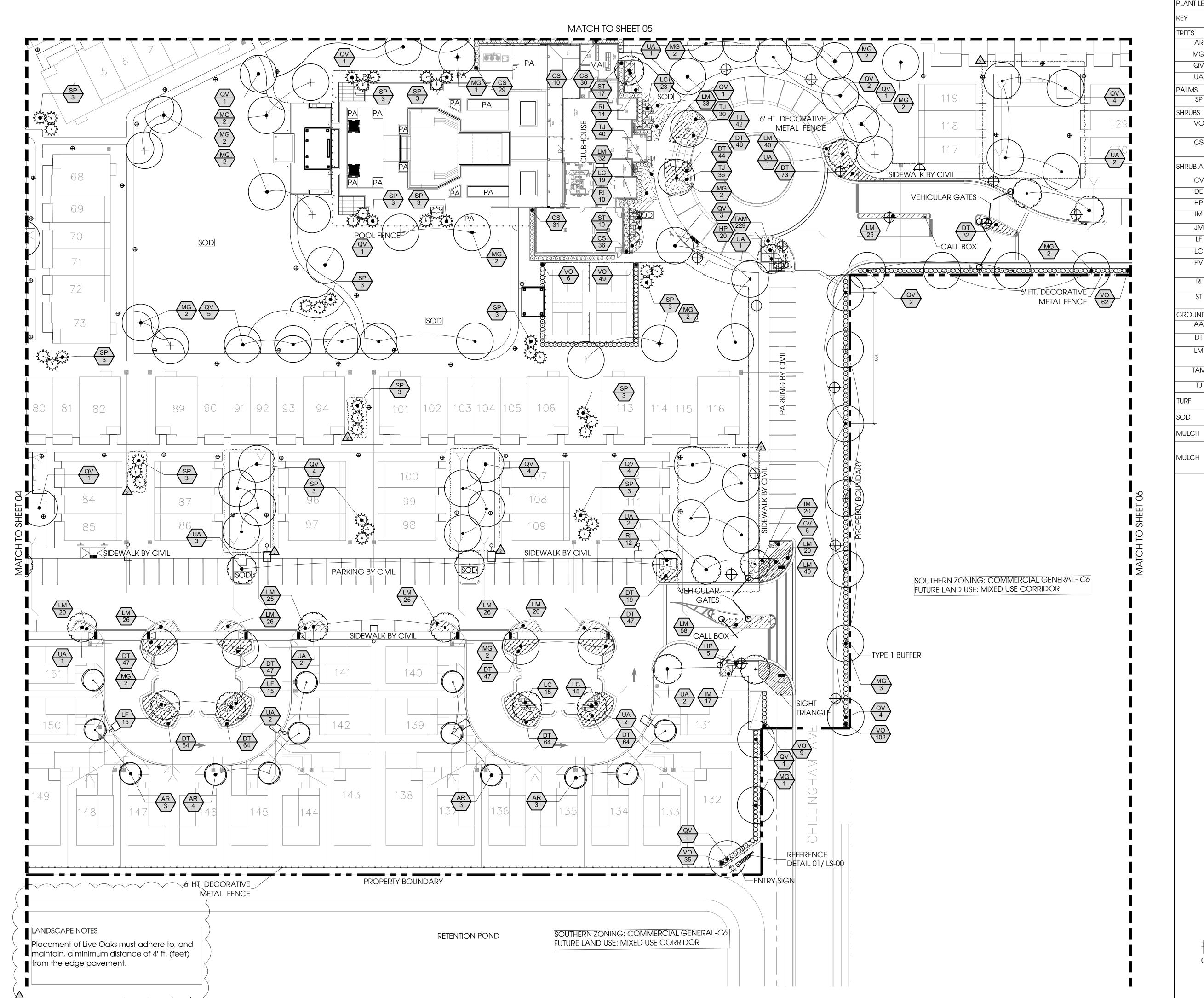


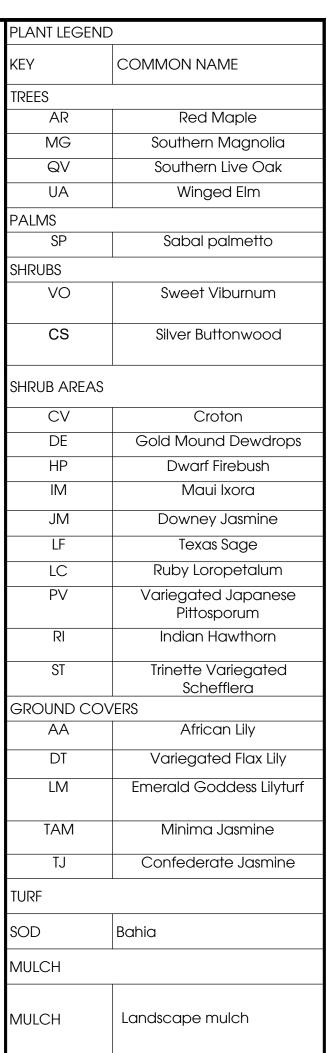
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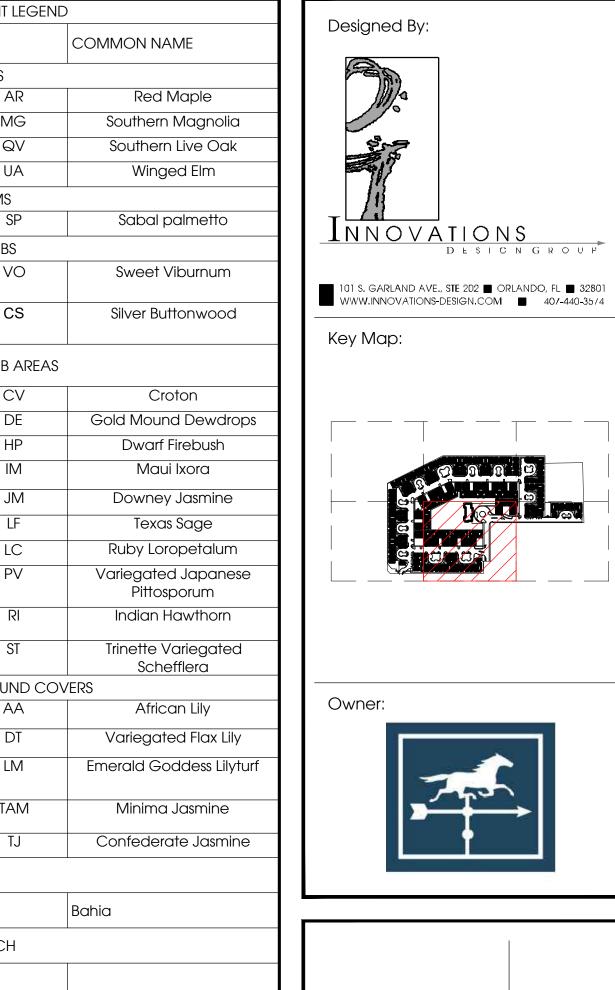
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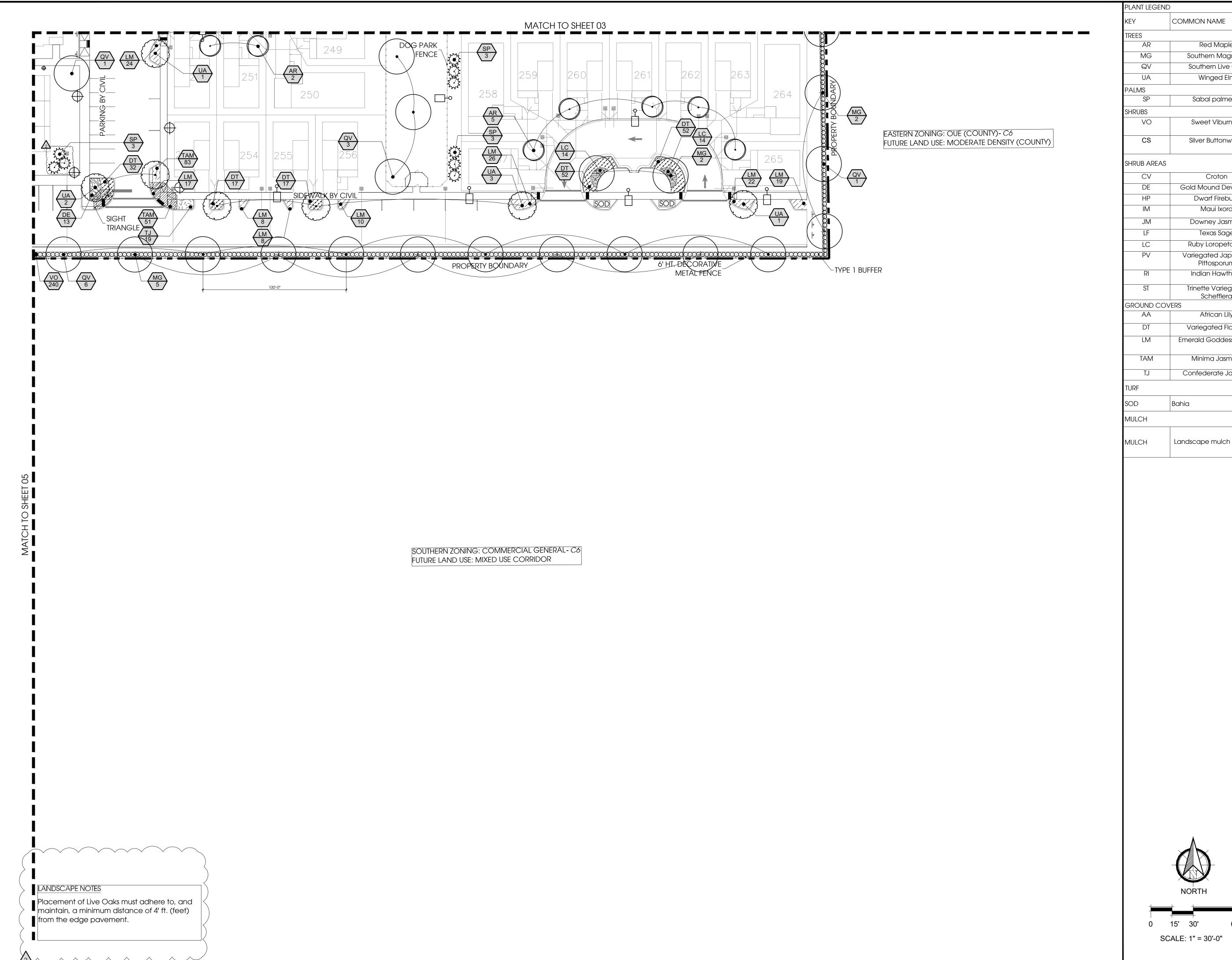




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Designed By: Red Maple Southern Magnolia Southern Live Oak Winged Elm Sabal palmetto INNOVATIONS

DESIGN GROUP Sweet Viburnum 101 S, GARLAND AVE., STE 202 ■ ORLANDO, FL ■ 32801 WWW.INNOVATIONS-DESIGN.COM ■ 407-440-35/4 Silver Buttonwood Key Map: Gold Mound Dewdrops Dwarf Firebush Maui Ixora Downey Jasmine Texas Sage Ruby Loropetalum Variegated Japanese Pittosporum Indian Hawthorn Trinette Variegated Schefflera Owner: African Lily Variegated Flax Lily Emerald Goddess Lilyturf Minima Jasmine Confederate Jasmine

> VENICE AT HAMLET CROSSING VENICE, FLORIDA

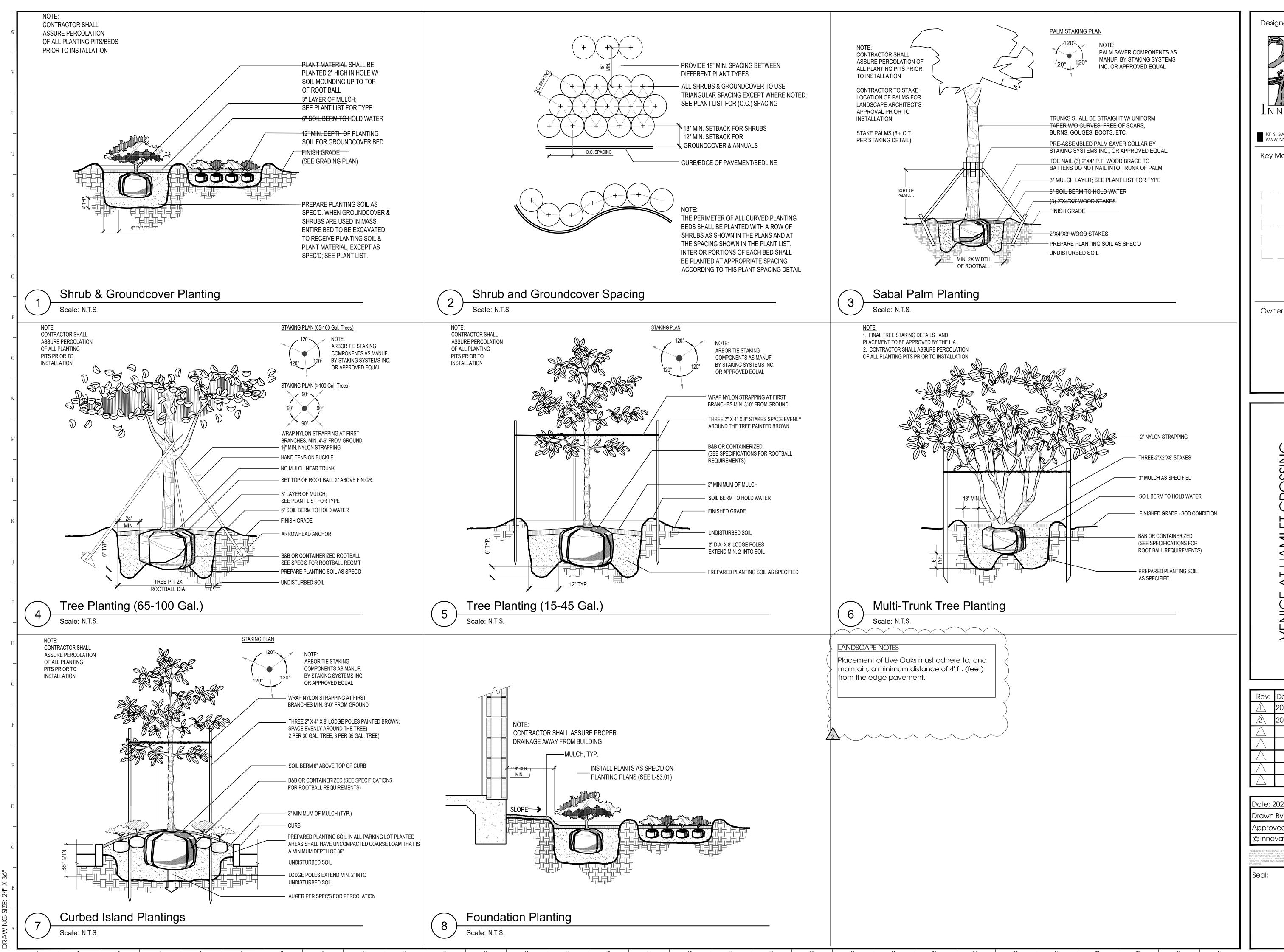
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VENICE AT HAMLET CROSSING
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LANDSCAPE INSTILLATION DETAILS

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Sheet Number:

1.01 WORK INCLUDED

PART 1 - GENERAL

- A. THE WORK INCLUDED IN THIS SECTION CONSISTS OF FURNISHING, PLANTING, WATERING, FERTILIZING AND MULCHING ALL PLANTS AND LAWN AREAS OF THE SPECIES, SIZE AND QUALITY IN THE LOCATIONS INDICATED ON THE DRAWINGS.
- 1.02 DELIVERY, STORAGE AND HANDLING
- A. TRANSPORTATION AND INSPECTION: PLANT TRANSPORTATION SHALL COMPLY WITH ALL FEDERAL AND STATE REGULATIONS
- 1.03 GUARANTEE
- A. THE LANDSCAPE CONTRACTOR SHALL GUARANTEE ALL PLANTING AND SOD WORK FOR A PERIOD OF ONE YEAR AFTER THE DATE OF FINAL ACCEPTANCE. DURING THIS PERIOD, THE LANDSCAPE CONTRACTOR SHALL CONTINUE THE OBSERVATION OF PLANTS AND GUARANTEED WORK. THE LANDSCAPE CONTRACTOR SHALL SUBMIT MONTHLY OBSERVATION REPORTS TO THE OWNER DURING THE GUARANTEE PERIOD. THE PURPOSE OF THESE REPORTS IS TO STATE ANY MAINTENANCE DEFICIENCIES OBSERVED. IT IS THE LANDSCAPE CONTRACTOR'S RESPONSIBILITY TO REPORT THESE TO PROTECT HIS GUARANTEE. FAILURE TO SUBMIT REPORTS ELIMINATES ANY CLAIMS THAT THE GUARANTEE IS NOT VALID DUE TO IMPROPER MAINTENANCE BY THE OWNER.
- B. REPLACEMENT OF DEFECTIVE PLANTS: ANY DEAD PLANTS OR PLANTS SHOWING INDICATION OF PROBABLE NO-SURVIVAL OR LACK OF HEALTH AND VIGOR, OR WHICH DO NOT EXHIBIT THE CHARACTERISTICS TO MEET SPECIFICATIONS, SHALL BE REPLACED WITHIN TWO WEEKS OF NOTICE FROM OWNER OR OWNER'S REP. ALL REPLACEMENT PLANTS SHALL BE FURNISHED & INSTALLED AT NO ADDITIONAL COST TO THE OWNER AND SHALL BE GUARANTEED FOR SIX MONTHS. ALL REPLACEMENTS SHALL MEET
- C. THE LANDSCAPE CONTRACTOR SHALL NOTIFY THE OWNER TEN DAYS PRIOR TO THE END OF THE GUARANTEE PERIOD AND SUCH GUARANTEE SHALL BE EXTENDED UNTIL NOTIFICATION IS RECEIVED.
- D. AT THE END OF THE GUARANTEE PERIOD, ALL PLANTS AND TREES THAT ARE DEAD OR UNSATISFACTORY SHALL BE REPLACED WITHIN TWO WEEKS, WITH PLANTS OR TREES THAT MEET OR EXCEED THE ORIGINAL SPECIFICATION.
- 1.04 JOB CONDITIONS
- A. PROTECTION: THE LANDSCAPE CONTRACTOR SHALL PROTECT ALL MATERIALS AND WORK AGAINST INJURY FROM ANY CAUSES AND SHALL PROVIDE AND MAINTAIN ALL NECESSARY SAFEGUARDS FOR THE PROTECTION OF THE PUBLIC. HE SHALL BE HELD RESPONSIBLE FOR ANY DAMAGE OR INJURY TO PERSON OR PROPERTY THAT MAY OCCUR AS A RESULT OF THE NEGLIGENCE IN THE PROSECUTION OF THE WORK.
- B. EXISTING CONDITIONS:
- 1. THE LANDSCAPE CONTRACTOR AND THEIR SUBCONTRACTORS SHALL EXERCISE CARE IN DIGGING AND OTHER WORK SO AS NOT TO DAMAGE EXISTING WORK, INCLUDING UNDERGROUND PIPES AND CABLES, AND THE PIPES AND HYDRANTS OF WATERING SYSTEMS. SHOULD SUCH OVERHEAD OR UNDERGROUND OBSTRUCTIONS BE ENCOUNTERED WHICH INTERFERE WITH PLANTING, THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR THE IMMEDIATE REPAIR OF ANY DAMAGE CAUSED BY HIS WORK. (SEE SECTION 3.01)
- 2. SHOULD ANY OBJECTIONABLE MATERIAL SUCH AS OLD CONCRETE, BRICKS OR OTHER DEBRIS BE ENCOUNTERED DURING PLANTING OPERATIONS, THEY SHALL BE REMOVED FROM THE SITE BY THE LANDSCAPE CONTRACTOR.
- 3. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER PLANT GROWTH IN EXISTING ON-SITE SOILS. PRIOR TO COMMITMENT OF PLANT SHIPMENTS, THE LANDSCAPE CONTRACTOR SHALL EXAMINE THE SOILS IN ALL AREAS OF WORK BY CONDUCTING SOIL TESTS AND FILLING TEST HOLES WITH WATER TO DETERMINE IF SOIL CHEMISTRY AND DRAINAGE ARE SATISFACTORY. ANY UNSATISFACTORY CONDITIONS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE OWNER OR OWNER'S REP. FOR POSSIBLE CORRECTIVE ACTION OR PLANT MATERIAL SUBSTITUTIONS. THE OWNER & OWNER'S REP. RESERVES THE RIGHT TO MAKE CHANGES OR SUBSTITUTIONS IN PLANT TYPE OR QUANTITIES FOR THE PURPOSES OF INSURING PROPER PLANT GROWTH, HEALTH AND VIGOR.
- 4. PRIOR TO WORK, LANDSCAPE CONTRACTOR SHALL BECOME FULLY FAMILIAR WITH THE SITE AND THE WORK OF ALL OTHER TRADES, INCLUDING HARDSCAPE AND GRADING, IN ORDER TO UNDERSTAND THE FULL EXTENT AND SCHEDULE OF THE WORK.
- 1.05 QUALITY CONTROL
- A. THE OWNER AND OWNER'S REP. SHALL HAVE THE RIGHT, AT ANY STAGE OF CONSTRUCTION, TO REJECT ANY AND ALL WORK AND MATERIAL THAT, IN HIS/HER OPINION, DO NOT MEET THE REQUIREMENTS OF THESE SPECIFICATIONS OR THE CONTRACT DRAWINGS.
- B. ALL PLANTING SHALL BE PERFORMED BY PERSONNEL FAMILIAR WITH PLANTING PROCEDURE AND UNDER THE SUPERVISION OF A QUALIFIED PLANTING FOREMAN.
- C. ALL WORK SHALL COMPLY WITH APPLICABLE CODES AND REGULATIONS.
- D. THE WORK SHALL BE COORDINATED WITH OTHER TRADES TO PREVENT CONFLICTS.
- 1.06 QUANTITIES
- A. IN THE EVENT OF A CONFLICT BETWEEN QUANTITIES SHOWN ON THE PLANT LIST AND PLANS, THE PLANS SHALL CONTROL

PART 2 - PRODUCTS

- 2.01 MATERIALS
- A. GENERAL:
- 1. NOMENCLATURE: ALL TREES. SHRUBS AND PLANTS SHALL BE TRUE TO NAME AS ESTABLISHED BY THE AMERICAN JOINT COMMITTEE ON HORTICULTURAL NOMENCLATURE PUBLICATION "STANDARD PLANTS NAMES". THE DESIGNATED AUTHORITY FOR THE IDENTIFICATION OF ALL MATERIAL SHALL BE THE TWO PUBLICATIONS OF L.H. BAILY. "HORTUS III" AND "MANUAL OF CULTIVATED PLANTS". AND ALL SPECIMENS SHALL BE TRUE TO TYPE. NAME. ETC.. AS DESCRIBED THEREIN.
- 2. GRADE STANDARDS AND QUALITY: ALL PLANTS SHALL BE NURSERY GROWN, AND SHALL COMPLY WITH ALL REQUIRED INSPECTION, GRADING STANDARDS AND PLANT REGULATIONS AS SET FORTH IN THE FLORIDA DEPARTMENT OF AGRICULTURE. "GRADES AND STANDARDS FOR NURSERY PLANTS," PARTS 1 AND 2 INCLUDING REVISIONS.
- a. THE MINIMUM GRADE FOR ALL TREES AND SHRUBS SHALL BE FLORIDA NO. 1 UNLESS OTHERWISE INDICATED AND ALL PLANTS SHALL BE SOUND, HEALTHY AND VIGOROUS, WELL BRANCHED AND DENSELY FOLIATED WHEN IN LEAF. THEY SHALL HAVE HEALTHY, WELL-DEVELOPED ROOT SYSTEMS AND SHALL BE FREE OF DISEASE AND INSECT PESTS,
- 3. MEASUREMENTS: THE MINIMUM ACCEPTABLE SIZE OF PLANTS, MEASURED AFTER PRUNING, WITH BRANCHES IN NORMAL POSITIONS, SHALL CONFORM TO THE SPECIFIED SIZES AS SHOWN ON THE PLANS. SIZES SPECIFIED ARE MINIMUM STANDARDS. PLANTS SHALL BE EQUAL TO OR LARGER THAN ALL CATEGORIES (HEIGHT, SPREAD, CALIPER) OF SIZE SPECIFICATION. SUBSTANTIAL DEVIATIONS FROM THESE MEASUREMENTS MUST BE APPROVED BY THE OWNER OR OWNER'S REP. CALIPER OF TREE TRUNKS SHALL BE MEASURED ONE FOOT ABOVE ROOTBALL FOR TREES OVER 6 INCHES IN CALIPER, AND SHALL BE MEASURED 6 INCHES ABOVE THE ROOT BALL FOR TREES UNDER 6 INCHES IN CALIPER.
- 4. PLANT PROTECTION: PLANTS SHALL BE PROTECTED UPON ARRIVAL AT THE SITE, BY BEING THOROUGHLY WATERED, KEPT MOIST, AND PROPERLY MAINTAINED UNTIL
- B. PLANT MATERIALS: WITH REFERENCE TO METHOD OF CULTIVATION, ROOT SYSTEM STATUS, ETC., PLANTS FOR LANDSCAPING SHALL BE CLASSIFIED UNDER THE FOLLOWING DESIGNATIONS:
- 1. BALLED AND BURLAPPED: PLANTS SO CLASSIFIED SHALL BE DUG WITH FIRM NATURAL ROOT BALLS OF EARTH COMING FROM SINGULAR CLIMATIC AND SOIL CONDITIONS AS THOSE ON PROJECT SITE AND OF SUFFICIENT DIAMETER AND DEPTH TO INCLUDE MOST OF THE FIBROUS ROOTS. THE ROOT BALL OF THESE PLANTS SHALL BE PROPERLY WRAPPED WITH BURLAP SACK MATERIAL AND REMAIN PROTECTED AND WET UNTIL THEY ARE PLANTED. THE PLANTS SHALL BE HANDLED ONLY BY THE EARTH BALL AND NOT BY THE PLANT ITSELF. ALL BALLED AND BURPED PLANTS WHICH CANNOT BE PLANTED IMMEDIATELY UPON DELIVERY SHALL BE SET ON THE GROUND AND SHALL BE WELL PROTECTED WITH SOIL, WET SOIL, WET MOSS, OR OTHER ACCEPTABLE MATERIAL. THE PLANTS SHALL BE SET WITH THE BURLAP COVER INTACT AND WITH THE BURLAP SHOWING, UNTIL INSPECTION. AT FINAL INSPECTION THE BURLAP SHALL BE CUT AWAY TO GROUND LEVEL AND THEN COMPLETELY COVERED WITH SOIL. BURLAP: SHALL BE PURE BURLAP, ORGANIC FIBER WITH THE ABILITY TO DECOMPOSE.
- 2. CONTAINER-GROWN PLANTS:
- a. CONTAINER GROWN PLANTS SHALL HAVE BEEN GROWN IN CONTAINERS LARGE ENOUGH AND FOR SUFFICIENT TIME FOR THE ROOT SYSTEM TO HAVE DEVELOPED WELL ENOUGH TO HOLD ITS SOIL TOGETHER FIRM AND WHOLE. NO PLANTS SHALL BE LOOSE IN THE CONTAINER. PLANTS THAT HAVE BECOME ROOT BOUND OR FOR WHICH THE TOP SYSTEM IS TOO LARGE FOR THE SIZE OF THE CONTAINER, WILL NOT BE ACCEPTABLE.
- b. ALL CONTAINERS SHALL BE CUT AND OPENED FULLY, IN A MANNER SUCH AS WILL NOT DAMAGE THE ROOT SYSTEM. CONTAINER GROWN PLANTS SHALL NOT BE REMOVED FROM THE CONTAINER UNTIL IMMEDIATELY BEFORE PLANTING, WHEN ALL DUE CARE SHALL BE TAKEN TO PREVENT DAMAGE TO THE ROOT SYSTEM.
- 3. BARE ROOT PLANTS: NO BARE ROOT PLANTS SHALL BE USED, UNLESS SPECIFIED.
- 4. GROW BAG PLANTS: GROW-BAG PLANTS SHALL ONLY BE USED UPON RECEIVING APPROVAL FROM THE OWNER OR OWNER'S REP.
- C. PLANTING MATERIALS:
- 1. PLANTING SOIL:
- a. SOIL CHARACTERISTICS: THE PLANTING SOIL SHALL BE A READILY-AVAILABLE LOCAL "LANDSCAPE MIX" PRODUCT, COMPRISED OF $\frac{1}{3}$ PINE BARK AND WOOD, $\frac{1}{2}$ PEAT, AND $\frac{1}{3}$ COARSE SAND. IT SHALL BE FREE OF WEEDS, WEED SEEDS, STONES, CLODS, STICKS, ROOTS OR OTHER OBJECTIONABLE EXTRANEOUS MATTER OR DEBRIS. IT SHALL NOT CONTAIN TOXIC MATERIALS AND SHALL HAVE ACIDITY RANGE OF pH 6.0 TO 7.0.

- b. DESIRED PARTICLE SIZE DISTRIBUTION IN TOP 6"-12" OF SOIL:
 - 1.1. COARSE SAND (0.5-2mm)IMEDIUM SAND (0.25-0.5mm): MINIMUM OF 60% (BY WEIGHT) OF PARTICLES SHALL FALL WITHIN THIS RANGE (#60 SIEVE).
 - 1.2. FINE SAND (0.15-0.25mm): MAXIMUM OF 20% (BY WEIGHT) OF PARTICLES SHALL FALL WITHIN THIS RANGE (#100 SIEVE).
 - 1.3. VERY FINE SAND (0.075-0.15mm): MAXIMUM OF 5% (BY WEIGHT) OF PARTICLES SHALL FALL WITHIN THIS RANGE (#200 SIEVE).
 - 1.4. SILT (0.037-<1.075mm): MAXIMUM OF 5% (BY WEIGHT) OF PARTICLES SHALL FALL WITHIN THIS RANGE (#400 SIEVE).
 - 1.5. CLAY (LESS THAN 0.037mml: MAXIMUM 3% OF PARTICLES (BY WEIGHT) SHALL FALL WITHIN THIS RANGE (PAN).
- c. INFILTRATION OR PERCOLATION RATE OF SOIL: GENERALLY, THE DESIRED LEVEL OVER THE SITE IS 2" PER HOUR. HOWEVER PERCOLATION TESTS ARE REQUIRED FOR ONE OUT OF EVERY FIVE TREES PLANTED ON SITE. TREE PITS FROM EACH PLANTING AREA OF THE PROJECT SHALL BE TESTED FOR PERCOLATION. HOWEVER, IN AREAS WHERE OVER-EXCAVATION OF A BUILDING FOUNDATION HAS OCCURRED, OR ANY OTHER CONSTRUCTION PRACTICE TYPICALLY RESULTING IN EXTREMELY COMPACTED SUBSOIL CONDITIONS, ALL TREE PITS MUST BE TESTED FOR PERCOLATION. TREE PITS SHALL BE FILLED WITH WATER AND THE DRAINAGE RATE OBSERVED. PERCOLATION RATE SHALL 3.04 SODDING BE A MINIMUM OF HALF THE DEPTH OF THE TREE PIT WITHIN 24 HOURS. THE TREE PIT MUST BE FULLY DRAINED WITHIN 36 HOURS. IF PERCOLATION RATE IS LESS THAN THAT, MITIGATION MEASURES SHALL BE IMPLEMENTED.
- 2. FERTILIZER: FERTILIZER SHALL BE A COMPLETE BALANCED BLEND FORMULA, OF WHICH PART OF THE ELEMENTS SHALL BE DERIVED FROM ORGANIC SOURCES. IT SHALL CONTAIN NITROGEN, PHOSPHORUS AND POTASSIUM AS WELL AS RECOMMENDED MICRONUTRIENTS SUCH AS MAGNESIUM, IRON, COPPER, ZINC, BORON, AND MANGANESE IN SULFATE FORM. NITROGEN SHALL BE APPLIED OVER ALL TURF, SHRUB AND TREE AREAS AT A RATE OF 1 1/2 POUNDS PER 1,000 SQUARE FEET. THE COMPLETE FERTILIZER ANALYSIS SHALL BE APPROVED BY THE OWNER OR OWNER'S REP.
- 3. MULCH: MULCH SHALL BE CLEAN, BRIGHT AND FREE OF WEEDS, MOSS, STICKS AND OTHER DEBRIS. SEE PLANT SCHEDULE FOR MULCH TYPE, LAYOUT AND DEPTH TO BE USED. ACCEPTABLE MULCH TYPES INCLUDE THE FOLLOWING:
- a. SHREDDED HARDWOOD WITH NO CYPRESS CONTENT, "ENVIROMULCH" FROM FLORIDA MULCH OR EQUAL
- b. PINE STRAW, FOR SLOPED AREAS ONLY
- c. PINE FINES, FOR SPREADING GROUNDCOVER AND ANNUAL BEDS
- 4. WATER: SUITABLE WATER FOR THE IRRIGATION OF THE NEW PLANTINGS DURING THE PROGRESS OF CONSTRUCTION SHALL BE PROVIDED AND PAID FOR BY THE LANDSCAPE CONTRACTOR, WHO SHALL ALSO FURNISH ADEQUATE WATERING EQUIPMENT.
- STAKES AND TIES: STAKES AND TREE TIES SHALL BE PROVIDED IN ACCORDANCE WITH THE LANDSCAPE DETAILS.

PART 3 - EXECUTION

- 3.01 PREPARATION
- A. UNDERGROUND OBSTRUCTIONS:
- PRIOR TO CONSTRUCTION, THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL PUBLIC AND PRIVATE UTILITIES.
- 2. THE LANDSCAPE CONTRACTOR SHALL NOTIFY THE OWNER OF POTENTIAL CONFLICTS WITH UTILITIES PRIOR TO COMMENCING WORK, IN AN EFFORT TO COORDINATE ANY NECESSARY ADJUSTMENTS IN ADVANCE OF THE WORK BEING SCHEDULED.
- 3. IN THE EVENT THAT ROCK, UNDERGROUND CONSTRUCTION WORK, UTILITY LINES OR OBSTRUCTION OUT OF THE ORDINARY ARE ENCOUNTERED IN ANY PLANT PIT EXCAVATION, ALTERNATIVE LOCATIONS SHALL BE SELECTED BY THE OWNER'S REP. WHERE LOCATIONS CANNOT BE CHANGED AND THE OBSTRUCTIONS MAY BE REMOVED, THE OBSTRUCTIONS SHALL BE REMOVED TO A DEPTH OF NOT LESS THAN 3' BELOW GRADE AND NO LESS THAN 6" BELOW BOTTOM OF BALLS OR ROOTS WHEN PLANT IS PROPERLY SET AT THE REQUIRED GRADE.
- B. SOIL TESTING: LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR PLANT HEALTH AND SURVIVAL IN PLANTED CONDITION. LANDSCAPE CONTRACTOR SHALL COLLECT SOIL SAMPLES FROM THE SITE AND SUPPLY SAMPLES OF THE PLANTING SOIL PRODUCT BEING USED FOR pH, FERTILITY, AND PERCOLATION TESTING. ENGAGE A STATE-REGISTERED TESTING FACILITY TO TEST THE SOILS ,GENERATE RESULTS, AND MAKE SOIL AMENDMENT AND/OR FERTILIZATION RECOMMENDATIONS.
- 1. SOIL pH AND FERTILITY TESTING: SOIL TESTING SHALL BE PERFORMED AND ANALYZED BY A STATE-REGISTERED TESTING FACILITY (e.g. THE UNIVERSITY OF FLORIDA'S INSTITUTE OF FOOD AND AGRICULTURAL SCIENCES, IFAS). THE RESULTS OF THE TESTS SHALL BE FORWARDED TO THE OWNER OR OWNER'S REP. FOR REVIEW. THE RECOMMENDATIONS FROM THE TESTING FACILITY FOR FERTILIZER AND SOIL AMENDMENTS SHALL TAKE PRECEDENCE OVER THE FERTILIZER RATES AND ANALYSES ELSEWHERE IN THE CONTRACT DOCUMENTS. SOIL TESTING IS THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR AND SHALL BE PERFORMED PRIOR TO LANDSCAPE
- 2. SOIL DRAINAGE EVALUATIONS: WELL-DRAINED SOILS ARE REQUIRED FOR NEW LANDSCAPES TO SURVIVE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO EVALUATE THE ON-SITE SOILS TO DETERMINE THE ABILITY TO DRAIN PROPERLY. SOILS WITH TOO MUCH CLAY HOLD WATER AND CAUSE PROBLEMS FOR PLANT SURVIVAL. CONTRACTOR SHALL VISUALLY INSPECT THE SITE FOR SIGNS OF POORLY DRAINED SOILS (STANDING WATER, SURFACE CRACKING, HARD TO THE TOUCH, ETC.) AND DIG TEST HOLES. CONTRACTOR SHALL WRITE A REPORT DEMONSTRATING THEIR FINDINGS AND ALERT THE OWNER OR OWNER'S REP. IF ANY EVIDENCE OF POORLY-DRAINED SOILS ARE
- C. SOIL PREPARATION: PRIOR TO PLACING PLANTING SOIL AND BACKFILL, OR COMMENCING WITH PLANTING, ROTOTILL ANY OR ALL AREAS THAT HAVE BEEN PREVIOUSLY COMPACTED OVER 90% FOR OTHER CONSTRUCTION PURPOSES.
- D. EXCAVATION OF PLANTING BEDS AND/OR PLANT HOLES:
- 1. WHERE EXCAVATION ENCOUNTERS MATERIAL WHICH ARE SUITABLE FOR PLANT GROWTH, THE PLANT HOLE EXCAVATIONS SHALL BE ROUGHLY CYLINDRICAL IN SHAPE, WITH THE SIDES APPROXIMATELY VERTICAL. PLANTS SHALL BE CENTERED IN THE HOLE, WITH THE TRUNK AND ROOTBALL LOCATION AS SHOWN IN THE DRAWINGS. BOTTOMS OF THE HOLES SHALL BE UNDISTURBED NATURAL SUBGRADE PREVENTING THE TREE FROM SETTLING.
- E. PROTECTION OF EXISTING TREES: THE LANDSCAPE CONTRACTOR SHALL PROTECT EXISTING TREES FROM DAMAGE, WHERE DAMAGE DOES OCCUR, THE LANDSCAPE CONTRACTOR SHALL REMOVE THE DAMAGED TREE, THEN REPLACE IT IN KIND AND SIZE IN ACCORDANCE WITH THE INSTRUCTION OF THE LANDSCAPE ARCHITECT AND THE APPROPRIATE SPECIFICATIONS, ALL AT NO ADDITIONAL COST TO THE OWNER.
- F. GRADES: IT SHALL BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR TO FINISH (FINE) GRADE ALL LANDSCAPE AREAS ELIMINATING ALL SURFACE IRREGULARITIES, DEPRESSIONS, STICKS, STONES AND OTHER DEBRIS AS INDICATED IN THE DRAWINGS TO THE SATISFACTION OF THE OWNER OR OWNER'S REP. NO PLANT MATERIAL SHALL BE PLANTED UNTIL FINAL GRADE HAS BEEN ESTABLISHED, ENSURING POSITIVE DRAINAGE, COMPACTED TO THE REQUIRED DEPTH, AND APPROVED BY THE OWNER'S REP.

3.02 INSTALLATION

- A. GENERAL:
- 1. EXCEPT WHERE JURISDICTIONAL REQUIREMENTS APPLY, THE CONTRACTOR SHALL UTILIZE THE LAKE NONA STANDARD LANDSCAPE AND DETAILS.

B. PLANTING MATERIALS:

- 1. WHEN LOWERING INTO THE HOLE, THE PLANT SHALL REST ON A PREPARED HOLE BOTTOM SUCH THAT THE TOP OF THE ROOTBALL IS SITUATED PER THE APPLICABLE LANDSCAPE DETAIL (TREE OR SHRUB AND GROUNDCOVER) AND SO ORIENTED SUCH AS TO PRESENT THE BEST APPEARANCE. THE LANDSCAPE CONTRACTOR, WHEN SETTING PLANTS IN HOLES, SHALL MAKE ALLOWANCES OF ANY ANTICIPATED SETTLING OF THE PLANTS. IF WET CONDITIONS ARE ANTICIPATED, PLANTS SHALL BE SET 2 INCHES TO 3 INCHES HIGHER THAN THE DETAIL INDICATES.
- 2. THE BACKFILL SHALL BE MADE WITH PLANTING SOIL AS DESCRIBED IN PART 2, AND SHALL BE FIRMLY RODDED AND WATERED-IN, SO THAT NO AIR POCKETS REMAIN. THE QUANTITY OF WATER APPLIED IMMEDIATELY UPON PLANTING SHALL BE SUFFICIENT TO THOROUGHLY MOISTEN ALL OF THE BACKFILL MATERIAL. PLANTS SHALL BE KEPT IN A MOISTENED, BUT NOT SATURATED, CONDITION FOR THE DURATION OF THE ESTABLISHMENT PERIOD.
- C. SECURING THE PLANT MATERIAL: IT IS THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR TO MAINTAIN ALL PLANTS IN A PLUMB, UPRIGHT POSITION UNTIL THE END OF THE GUARANTEE PERIOD. SECURING SHALL BE EXECUTED ACCORDING TO THE APPLICABLE LANDSCAPE DETAIL IN THE DRAWINGS. ALL DAMAGED PLANTS RESULTING FROM THE LACK OF PROPER SECURING SHALL BE REPLACED BY THE LANDSCAPE CONTRACTOR AT NO EXPENSE TO THE OWNER.
- D. PRUNING:
- 1. ALL BROKEN OR DAMAGED ROOTS SHALL BE CUT OFF SMOOTHLY IN A MANNER COMPLYING WITH STANDARD HORTICULTURAL PRACTICE. AT THE TIME PRUNING IS COMPLETED, ALL REMAINING WOOD SHALL BE ALIVE.
- 2. FINE PRUNING FOR TREE SHAPE AND APPEARANCE SHALL BE DONE ONLY AT THE DIRECTION OF THE OWNER'S REP. ON A PLANT-BY-PLANT BASIS, AND TYPICALLY SHALL NOT BE UNDERTAKEN UNTIL AFTER THE SUBSTANTIAL COMPLETION REVIEW.
- 3. AT THE END OF THE GUARANTEE PERIOD, AT LEAST 80% OF THE REMAINING WOOD SHALL BE ALIVE.

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- 4. CRAPE MYRTLE PRUNING SHALL NOT INCLUDE THE REMOVAL OF ANY BRANCHING LARGER THAN PENCIL THICKNESS UNLESS DISEASED, DEAD OR DYING.
- E. MULCHING: WITHIN ONE WEEK AFTER THE PLANTING, MULCH MATERIAL SHALL BE UNIFORMLY APPLIED TO A LOOSE THICKNESS OF 3" OVER THE ENTIRE AREA OF THE BACKFILLED HOLE OR BED. THE MULCH SHALL BE MAINTAINED CONTINUOUSLY IN PLACE UNTIL THE TIME OF FINAL INSPECTION. ENSURE MULCH IS NOT PLACED AGAINST THE ROOT FLARE OF TREES AND SHRUBS.
- F. WATERING: THE LANDSCAPE CONTRACTOR SHALL CONTINUE WATERING FOR AS LONG AS IS NECESSARY TO PROPERLY ESTABLISH THE NEW PLANTINGS, WHILE ALSO ENSURING OVER-WATERING DOES NOT OCCUR. CARE SHALL BE TAKEN TO PREVENT STAINING OF NEW CONSTRUCTION WHERE TEMPORARY WELL WATER IS USED.

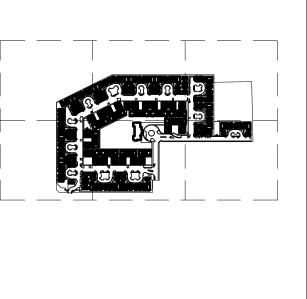
- G. PEST CONTROL: PRIOR TO FINAL ACCEPTANCE, OCCURRENCE OF SCALES, BORERS, FOLIAR FEEDERS, APHIDS, MITES, LEAF-SPOT AND DIEBACK, NEMATODES AND CANKER-PRODUCING FUNGI, SHALL BE TREATED WITH APPROPRIATE PESTICIDE.
- H. ALL PLANTS SHALL RECEIVE THE SPECIFIED FERTILIZER PRIOR TO FINAL ACCEPTANCE

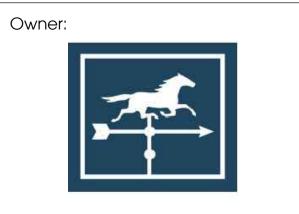
3.03 BERMING

- A. FILL DIRT SHALL BE LOCALLY OBTAINED MATERIAL FROM NATURALLY DRAINED SOURCES, FREE FROM DRY, ORGANIC DEBRIS, STONES LARGER THAN 1-INCH DIAMETER AND OTHER MATERIALS HARMFUL TO SUCCESSFUL DRAINAGE AND PLANT GROWTH. SOIL SHALL BE WELL MIXED AND CONTAIN NO MORE THAN 25% MUCK.
- B. GRADE AREAS INDICATED WITH UNIFORM LEVELS OR SLOPES WITH NO MORE THAN 4:1 MAXIMUM SLOPE. BERMS SHALL BE GENTLY ROLLING AND PARABOLIC.
- C. REPAIR AND RE-ESTABLISH GRADES, PLANTING AND MULCH IN SETTLED, ERODED, RUTTED, OR OTHERWISE DAMAGED AREAS.

- A. THE SOD SHALL BE OF FIRM, TOUGH TEXTURE HAVING A COMPACT GROWTH OF GRASS WITH GOOD ROOT DEVELOPMENT. IT SHALL CONTAIN NO BERMUDA GRASS, WEEDS OR ANY OTHER OBJECTIONABLE VEGETATION. THE SOIL EMBEDDED IN THE SOD SHALL BE GOOD CLEAN EARTH, FREE FROM STONES AND DEBRIS. THE SOD SHALL BE FREE FROM FUNGUS, VERMIN AND OTHER DISEASES. FINAL TURF SHALL HAVE NO AREA GREATER THAN 6 SQUARE INCHES OF UNSODDED AREA
- B. SOLID SOD SHALL BE LAID WITH CLOSELY ABUTTING JOINTS WITH A ROLLED EVEN SURFACE. IT SHALL BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR TO BRING THE SOD EDGE IN A NEAT, CLEAN MANNER TO THE EDGE OF ALL PAVING AND SHRUB AREAS. TOP OF SOD SOIL SHALL BE LEVEL WITH ABUTTING HARDSCAPE PAVING SURFACES. AFTER THE SOD IS LAID, A TOP DRESSING OF CLEAN SAND WILL BE EVENLY APPLIED OVER THE ENTIRE SURFACE AND THOROUGHLY WASHED IN. PEG SOD ON SLOPES AS REQUIRED TO PREVENT SLIPPAGE. FERTILIZE ALL SOD: 1 POUND NITROGEN PER 1,000 SQUARE FEET.
- 3.05 FIELD QUALITY CONTROL
- A. MAINTENANCE PRIOR TO ACCEPTANCE OF WORK:
- 1. MAINTENANCE SHALL BEGIN IMMEDIATELY AFTER EACH PLANT IS PLANTED AND SHALL CONTINUE UNTIL FINAL ACCEPTANCE. PLANTS SHALL BE WATERED, MULCHED, WEEDED, PRUNED, SPRAYED, FERTILIZED, CULTIVATED AND OTHERWISE MAINTAINED AND PROTECTED FOR THE PERIOD OF TIME STATED ABOVE. SOD SHALL BE MOWED, IF REQUIRED.
- 2. SETTLED PLANTS SHALL BE RESET TO PROPER GRADE POSITION AND DEAD MATERIAL REMOVED. TREE ROOTBALL SECURING SYSTEMS SHALL BE TIGHTENED, OR REPAIRED IF NECESSARY.
- 3. DEFECTIVE WORK SHALL BE CORRECTED AS SOON AS POSSIBLE AFTER IT BECOMES APPARENT AND WEATHER AND SEASON PERMIT. UPON COMPLETION OF PLANTING, THE LANDSCAPE CONTRACTOR SHALL REMOVE FROM THE SITE EXCESS SOIL AND DEBRIS, AND REPAIR ANY DAMAGE TO STRUCTURES, ETC., RESULTING FROM PLANTING
- 4. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR PROTECTION AGAINST MECHANICAL DAMAGE. THIS SHALL INCLUDE PROVIDING PROTECTION FROM VEHICLES, INCLUDING THE POSTING OF APPROVED WARNING SIGNS AND BARRICADES, AS NEEDED. THE LANDSCAPE CONTRACTOR SHALL REPAIR, RESTORE OR REPLACE ANY PLANTS OR PLANTING AREAS WHICH MIGHT BECOME DAMAGED AS A RESULT OF ANY NEGLIGENCE BY THE LANDSCAPE CONTRACTOR OR THEIR SUBCONTRACTORS IN COMPLYING WITH THESE REQUIREMENTS. AS A SPECIFIC REQUIREMENT OF THESE CONDITIONS, THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR ASSURING THAT ALL PLANTS AT THE TIME OF FINAL ACCEPTANCE, EXHIBIT THE CHARACTERISTICS AND QUALIFICATIONS REQUIRED FOR THE GRADE OF PLANT AS ORIGINALLY
- 5. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ADDITIONAL WATERING REQUIRED IF IRRIGATION PROVES TO BE INADEQUATE FOR FRESHLY PLANTED MATERIAL, AS WELL AS PERMANENT RESOLUTION OF ANY SUCH INADEQUACIES. CONTRACTOR IS RESPONSIBLE FOR WATERING REGARDLESS OF STATUS OF IRRIGATION
- 6. THE LANDSCAPE CONTRACTOR SHALL FOLLOW THE OWNER'S LANDSCAPE MAINTENANCE STANDARDS. EXCEPT AS OTHERWISE SPECIFIED THEREIN, MAINTENANCE WORK SHALL CONFORM TO ACCEPTED HORTICULTURAL PRACTICES USED IN THE TRADE.
- B. SUBSTANTIAL ACCEPTANCE:
- 1. UPON SUBSTANTIAL COMPLETION OF ALL WORK, THE LANDSCAPE CONTRACTOR SHALL ARRANGE FOR A SUBSTANTIAL COMPLETION REVIEW. THE LANDSCAPE WORK MAY NOT BE REVIEWED FOR PHASED SUBSTANTIAL ACCEPTANCE UNLESS APPROVED BY THE OWNER OR OWNER'S REP., AND IN SUCH CASES, ONLY WHEN THE WORK IS COMPRISED OF ONE FULL UNIT OR AREA OF SUBSTANTIAL SIZE.
- C. FINAL ACCEPTANCE:
- 1. UPON COMPLETION OF ALL WORK, INCLUDING MAINTENANCE, THE LANDSCAPE CONTRACTOR SHALL ARRANGE FOR A FINAL REVIEW. THE LANDSCAPE WORK MAY BE REVIEWED FOR ACCEPTANCE IN PARTS, PROVIDED THE WORK COMPRISES OF ONE FULL UNIT OR AREA OF SUBSTANTIAL SIZE.
- DATE OF FINAL ACCEPTANCE DETERMINED BY THE OWNER OR OWNER'S REP. SHALL MARK THE BEGINNING OF THE GUARANTEE PERIOD.
- D. GUARANTEE PERIOD REVIEW: TWICE DURING THE GUARANTEE PERIOD. AT 5 AND 11 MONTHS. REVIEW OF PLANTS WILL BE MADE BY THE OWNER AND OWNER'S REP. UPON WRITTEN NOTICE REQUESTING SUCH REVIEW, SUBMITTED BY THE LANDSCAPE CONTRACTOR AT LEAST TEN DAYS PRIOR TO THE ANTICIPATED DATE OF REVIEW. ALL DEFECTS DISCOVERED SHALL BE REPAIRED OR REPLACED BY THE LANDSCAPE CONTRACTOR.
- 3.06 ADJUSTMENT AND CLEANING
- A. CLEANING UP THE SITE: UPON COMPLETION OF ANY LANDSCAPE PROJECT, THE LANDSCAPE CONTRACTOR MUST THOROUGHLY CLEAN UP THE PROJECT SITE. IN ADDITION TO REMOVING ALL EQUIPMENT, UNUSED MATERIALS, DELETERIOUS MATERIAL, AND SURPLUS EXCAVATED MATERIAL, THE LANDSCAPE CONTRACTOR SHALL FINE GRADE ALL DISTURBED AREAS AND THE AREAS ADJACENT TO THE NEW PLANTINGS TO PROVIDE A NEAT AND UNIFORM SITE. ALL DAMAGED OR ALTERED EXISTING STRUCTURES. AS A RESULT OF THE LANDSCAPE WORK, SHALL BE CORRECTED.







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Description: City Comments DG 2024-05-21 City Comments DG

Date: 2024-05-21 Scale: SEE PLAN Drawn Bv: DG Designed By:MM/A Approved By: MM Project No: 23100 © Innovations Design Group, Inc.

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