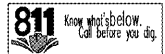


GENERAL LANDSCAPE NOTES

- All plant material to be Florida #1 or better quality, as specified in the current edition of the FDACS 'Grades and Standards for Nursery Stock'.
- Tree caliper measurements shall be taken at six (6") inches above natural grade. Measurements for trees over four (4") inches of caliper shall be taken at twelve (12") above natural grade. Diameter breast height (DBH) measurements to be taken at 4.5 feet above natural grade.
- The Plant Material Schedule included with the Plans is provided only for the landscape contractor's convenience; it shall not be construed as to conflict or predominate over the Plans.
- In the event of discrepancies in the quantities shown on the Plant Material Schedule/Bid Form and those shown on the Plans, the landscape contractor shall bid the quantity shown on the Plant Material Schedule/Bid Form and provide a note as to the quantity shown on the Plans.
- If a conflict between the Plans and the Specifications exists, the Plans shall predominate and be considered the controlling document.
- Landscape contractor shall provide documentation of plant variety when specified. Plants specified by Genus and Species alone shall not require documentation.
- All materials shall be installed as specified on the Plans. If material and labor do not adhere to the Details and Specifications, they will be rejected by the Landscape Architect. Rejected materials will be replaced by the landscape contractor at no additional cost.
- All necessary permits are to be provided by the installing contractor for work shown on the Plans (unless otherwise specifically stated in the Specifications or Bid Documents).
- The landscape contractor shall be responsible for verification and protection of all underground and overhead utilities. Plant material shown on the Plans that conflict with the utilities shall be brought to the attention of the Landscape Architect prior to installation.
- The General Contractor shall provide site grading to within 0.1 foot of finish grade. The landscape contractor shall provide fine grading to produce a good drainage condition on the site. Surface water shall be directed to engineered drainage structures/slopes with appropriate grading variances. Debris layers of 1.5 inches shall be removed from surface of landscape beds and paved areas.
- All plant material shall be installed and maintained in the field at a standard workmanship and in accordance with the Details and Specifications. Plant material shall be maintained by the landscape contractor until final Acceptance is granted by the Owner.
- All B&B trees shall have stem wire or rope removed from the trunk of the basket. All tagging tags, identification tags, and other tags shall be removed from the plant material prior to call for a Substantial Completion inspection.
- Mulch shall be Pine Bark nuggets. Sod shall be Argentine Bahia.
- The landscape contractor shall remove existing vegetation necessary to complete the site work. The application of herbicide shall be in accordance with manufacturer's recommendations and supervised by licensed applicators. The landscape contractor is solely responsible for the means to remove existing vegetation and responsible to ensure that re-growth does not occur.
- The landscape contractor shall keep a neat and orderly job site. Paved surfaces necessary for access shall be kept clear of debris. Debris generated by the work shown on the Plans shall be removed from the site.
- The landscape contractor shall provide a replacement warranty for trees of one (1) year duration and shrub/groundcover for three months duration from Final Acceptance.
- Sod shall be laid with tight joints. Sodded areas shall be rolled within three days after installation. Landscape contractor shall apply proper irrigation water quantities prior to rolling to insure proper soil/foot contact but not produce indentations from pedestrians.
- All questions concerning the Plans, Details, or Specifications shall be directed to the Landscape Architect. (727-343-1809)



FERTILIZATION SCHEDULE

- All plant material shall be fertilized upon installation but prior to mulching. Plant material adjacent to open bodies of water shall be mulched immediately following fertilization to reduce translocation of the granules.
- Fertilizer shall be Scotts Osmocote Classic 19-6-12 in the twelve (12) month release formulation. Contractor may use the Standard or Lo-Start mixes depending on the level of existing fertilizer from plant nursery applications.
- Each containerized plant shall receive fertilization at the rates shown for each container size. One (1) cup equals two hundred eighty (280) grams of Scotts Osmocote Classic 19-6-12.
 

1 Gallon Container	1 1/2 cups
3 Gallon Container	1/2 cup
7 Gallon Container	1/4 cup
15 Gallon Container	3/4 cup
25 Gallon Container	1 1/2 cups
45 Gallon Container	2 1/4 cups
65 Gallon Container	2 1/4 cups
100 Gallon Container	3 cups
- Sodded and banded plant shall receive one half (0.5) cup of Scotts Osmocote Classic 19-6-12 in the twelve (12) month release formulation for every caliper inch of trunk. One (1) cup equals two hundred eighty (280) grams of Osmocote Classic 19-6-12 fertilizer.
- Scotts Osmocote Classic 19-6-12 in the twelve (12) month release formulation shall be applied to sodded or seeded areas at a rate of ten (10) pounds per one thousand (1000) square feet.
- Scotts Osmocote Plus 15-9-12 in the twelve (12) month release formulation shall be applied to palms at a rate of five (5) cups per one hundred (100) square feet of palm canopy. One (1) cup equals two hundred fifty (250) grams of Osmocote Plus 15-9-12 fertilizer. If dripline of palm extends into lawn or other shrub/groundcover areas, the palm fertilizer shall be the only fertilizer applied to the area under the dripline of the palm.

OPTIONAL FERTILIZATION TECHNIQUES

- The Contractor may substitute Scotts Agriform 20-10-5 Planting Tablets Plus Mirrors for fertilization of trees, and large containers. The application rate shall be three (3) twenty-one (21) gram tablets per inch of caliper. Use Manufacturer's recommendations for palm fertilizer tablet application rate. Contractor shall notify Landscape Architect of the election to use fertilizer tablets prior to substantial completion inspection.
- Sodded or seeded areas over one half (0.5) acre may be fertilized (at contractor's choice) with a quick release granular fertilizer with the formulation that delivers three and one half (3.5) pounds of nitrogen, one half (0.5) pound of phosphate and one and one half (1.5) pounds of potash per one thousand (1000) square feet.
- Palms may be fertilized (at contractor's choice) with Florikan 8-2-12 Plus Magnesium under entire drip line of palm. The application rate to be fifteen (15) pounds per one thousand (1000) square feet.

LANDSCAPE CODE REQUIREMENTS

**MINIMUM TREE DENSITY**  
 1" LARGE TYPE A TREE REQUIRED / 5445 SQ. FT. OF PROPERTY AREA  
 94,908 SQ. FT. OF PROPERTY AREA = 18 TREES REQUIRED  
 TREES PROVIDED: (18) PROPOSED TREES - INCLUDES TREES THAT SATISFY OTHER REQUIREMENTS OF LANDSCAPE CODE

**BUILDING FOUNDATION**  
 FOUNDATION LENGTH EXPOSED TO GRIFFIN ROAD AND HIGHLAND FAIRWAYS BLVD. = 74'  
 SHRUBS REQUIRED: 25  
 SHRUBS RELOCATED TO VUA ISLANDS  
 SMALL (TYPE 'C') TREES REQUIRED: 3  
 (3) CRAPE MYRTLE TREES RELOCATED TO VUA ISLANDS

**FRONTAGE BUFFER TO VEHICULAR USE AREA**  
 GRIFFIN ROAD BUFFER LENGTH = 166'  
 7.5' BUFFER PROPOSED (OPTION 2)  
 MEDIUM TREES REQUIRED = 7 MEDIUM TREES (4 TREES/100 LINEAR FT.)  
 MEDIUM TREES PROVIDED: (8) ALLEE ELM, (1) CRAPE MYRTLE  
 TYPE 'A' HEDGE REQUIRED AND WALTER'S VIBURNUM HEDGE PROVIDED

**INTERIOR VEHICULAR USE AREA**  
 ONE TYPE 'B' TREE PER TERMINAL ISLAND  
 TREES PROVIDED: (6) EAGLESTON HOLLY, (7) SYCAMORE

**ADJACENT USE (PERIMETER) BUFFER**  
 EAST BUFFER LENGTH (ADJACENT TO M.F. RESIDENTIAL ZONING) = 367'  
 TYPE 'C' BUFFER WIDTH: MIN. 12' WIDTH - 6' HT SOLID FENCE PROPOSED @ V.U.A.  
 TREES REQUIRED: 6 MEDIUM TREE / 100 LINEAR FT. = 23 MEDIUM (8) TREES  
 MEDIUM TREES PROVIDED: (17) RED CEDAR, (6) MAGNOLIA  
 SHRUBS REQUIRED: 118 SHRUBS (32/100 LINEAR FT.)  
 SHRUBS PROVIDED: (123) SIMPSON STOPPER

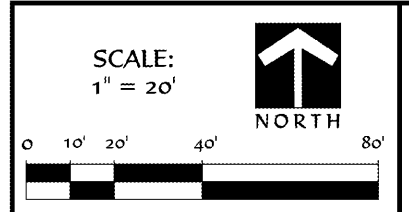
**PONDS**  
 ONE MEDIUM TREE REQUIRED PER 50 LINEAR FT. OF POND EDGE + 25% SHRUB COVERAGE  
 (6) BALD CYPRESS PROVIDED AND WAX MYRTLE SHRUBS PROVIDED

**TREE REMOVAL MITIGATION**  
 PROPOSED TREES THAT SATISFY THE LDC REQUIREMENTS ABOVE: 52 TREES  
 52 TREES PROVIDED @ 2' D.B.H. = 104' D.B.H. OF MITIGATION PROVIDED  
 338' OF TREE DIAMETER REMOVED FROM SITE LESS 6' OF TREE DIAMETER RETAINED = 332' D.B.H. MITIGATION REQUIRED  
 332' REQUIRED LESS 308' PROVIDED ON LANDSCAPE PLAN = 24' OF TREE DIAMETER PAID INTO THE TREE TRUST FUND  
 TREE TRUST FUND PAYMENT: 24" x \$250/INCH = \$6,000.00

Order Plans @ WALKER DOWLING

CODE	QTY	BOTANICAL NAME	COMMON NAME	SPECIFICATION	SPACING	NATIVE
IAE	13	LEX A ATTENUATA	EAGLESTON HOLLY	4" D.B.H. 12' HT x 4' SPD.	AS SHOWN	YES
IS	27	JUNIPERUS SUECICOLA	SOUTHERN RED CEDAR	4" D.B.H. 12' HT x 4' SPD.	AS SHOWN	YES
LAM	95	LANTANA MONTEVIDENSIS	TRAILING LAVENDER LANTANA	1 GAL, 12-14" SPD.	18" O.C.	NO
LN	12	LAGERSTROEMIA INDICA NATCHIEZ	GRAPE MYRTLE WHITE	2" D.B.H. 12' HT x 4' SPD.	AS SHOWN	NO
MC	46	MYRTICA CERIFERA	WAX MYRTLE	7 GAL, 30-38" HT x 24" SPR.	4" O.C.	YES
MF	123	MYRSINANTHES FRAGRANS	SIMPSONS STOPPER	3 GAL, 18" HT x 20" SPD.	3" O.C.	YES
MG	6	MAGNOLIA GRANDIFLORA	SOUTHERN MAGNOLIA	4" D.B.H. 12' HT x 4' SPD.	AS SHOWN	YES
PE	16	PINUS ELLIOTI DENSATA	SLASH PINE	2" D.B.H. 12' HT x 4' SPD.	AS SHOWN	YES
PO	11	PLATANUS OCCIDENTALIS	SYCAMORE	4" D.B.H. 12' HT x 4' SPD.	AS SHOWN	YES
SR	10	STRELTZIA REGINAE	BIRD OF PARADISE	3 GAL, 30" HT, FULL	4" O.C.	NO
UP	8	ULMUS PARVIFOLIA ALLEE	ALLEE ELM	4" D.B.H. 12' HT x 4' SPD.	AS SHOWN	NO
VOB	76	VIBURNUM OBOVATUM	WALTERS VIBURNUM DWARF VARIETY	3 GAL, 18" HT x 18" SPD.	3" O.C.	YES
ZP	87	ZAMIA PUMILA	COONTIE	3 GAL, 16-18" SPD.	2.5" O.C.	YES

NO MODIFICATIONS OF PLANT SPECIES ARE ALLOWED WITHOUT WRITTEN PERMISSION FROM THE CITY OF LAKELAND



JACOB ZIMMERMAN, RLA  
 REG. NO. FL LA 0001653  
 LANDSCAPE ARCHITECT

REVISIONS:

- 9/21/20 CITY REVIEW COMMENTS
- 

NO FOR CONSTRUCTION OR BIDDING PURPOSES ONLY

9/28/2020

DRAWN BY: IAZ  
 DATE: 7/15/20

20010

LANDSCAPE PLAN

LS2

HEARTWOOD AND BARK P.C.  
 LANDSCAPE ARCHITECTURE - URBAN DESIGN  
 200 2nd St. S. #433 St. Petersburg, FL 33701  
 (727) 343-1809 Web: www.heartwoodandbark.com  
 License Number: LC26000325

CALIBER COLLISION  
 SWC GRIFFIN ROAD (C.R. 582) &  
 HIGHLAND FAIRWAYS BLVD.  
 LAKELAND, FLORIDA