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User: KEES1810 \\FLUmb01000.civil\PROJECTS\100060192 - CF - Micco Rd & US-1\10 CAD\CF08.1 LANDSCAPE.dwg

LANDSCAPE CODE REQUIREMENTS		
	REQUIRED	PROVIDED
Minimum large/medium/small trees per acre of area of alteration:		
5 trees per acre @ 1.3 acres	7	37
Minimum of 50% to be large sized trees	4	13
Minimum of 25% to be medium sized trees	2	24
Minimum number of shrubs per acre of area of alteration:		
125 shrubs per acre @ 1.3 acres	163	1928
Minimum 50% of trees are to be native	4	31
Minimum 50% of shrubs are to be native or "Waterwise" recommended	82	1379
Heat Island effect mitigation & vehicular use areas:		
1 tree per 10 spaces @ 35 parking spaces	4	5
Minimum of 25% to be large sized trees	1	3
Minimum of 25% to be medium sized trees	1	2
10 SF of landscape area per 400 SF of vehicular use area @ 22,315 SF	568	714
Maximum 25% of required trees may be palms	2	0
Type B Vegetative Buffer		
4 trees per 100 LF @ 549 LF	22	22
Mitigation Requirements		
50% Mitigation at 4" DBH replacement	20.325" (6 trees)	24" (6 trees)
Protected: 57" DBH x .25 = 14.25" x .5 = 7.125"		
Specimen: 80" DBH x .33 = 26.4" x .5 = 13.2"		
50% Mitigation at 2.5" DBH replacement ((14.25" + 26.54") - 24" = 16.65")	16.65" (7 trees)	17.5" (7 trees)

PLANT SCHEDULE							
KEY	SCIENTIFIC NAME	COMMON NAME	QTY.	SIZE	REMARKS	NATIVE	WATERWISE
TREES							
CD	COCCOLOBA DIVERSIFOLIA	PIGEON PLUM	2	10' HT., 1.5" CAL.		YES	YES
MC	MYRICA CERIFERA	WAX MYRTLE	15	10' HT., 1.5" CAL.	MULTI TRUNKED CLEAR	YES	YES
PR	PLUMERIA RUBRA	FRANGIPANI	7	10' HT., 1.5" CAL.		NO	YES
QV	QUERCUS VIRGINIANA	LIVE OAK	8	22' HT., 6" CAL. (4" DBH)		YES	YES
AR	ACER RUBRUM	RED MAPLE	7	16' HT., 3" CAL. (2.5" DBH)		YES	YES
SHRUBS/GROUNDCOVERS							
CEB	CARISSA MACROCARPA 'EMERALD BLANKET'	NATAL PLUM	263	2" HT. x 12" SPR.	24" O.C.	NO	YES
CI	CHRYSOBALANUS ICACO 'RED TIP'	COCOPLUM	55	10" HT., 7 CAL.	36" O.C.	YES	YES
HL	HYMENOCALLIS LATIFOLIA	SPIDER LILY	279	10" HT. x 12" SPR.	24" O.C.	YES	YES
JC	JUNIPERUS CHINENSIS 'PARSONII'	PARSON'S JUNIPER	286	10" HT. x 12" SPR.	24" O.C.	NO	YES
LM	LIRIOPE MUSCARI 'BIG BLUE'	LIRIOPE	191	12" HT. x 12" SPR.	24" O.C.	NO	YES
PS	PHYMATOSORUS SCOLOPENDRIA	WART FERN	626	10" HT. x 10" SPR.	10" O.C.	NO	NO
PM	PODOCARPUS MACROPHYLLUS	YEW PODOCARPUS	69	36" HT., 7 GAL.	36" O.C.	NO	YES
ZP	ZAMIA PUMILA	COONTIE	69	16" HT. x 12" SPR.	30" O.C.	YES	YES
TURF							
SOD	STENOTAPHRUM SECUNDATUM	ST. AUGUSTINE FLOPPY GRASS	180	SQ/YD		NO	NO

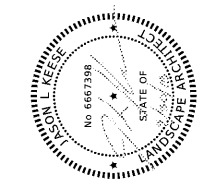
BREVARD COUNTY NATURAL RESOURCES MANAGEMENT OFFICE NOTES

- THIS SITE PLAN/SUBDIVISION PLAN WILL COMPLY WITH SEC. 62-4333 OF THE BREVARD COUNTY LANDSCAPING, LAND CLEARING, AND TREE PROTECTION ORDINANCE REGARDING THE REMOVAL AND CONTROL IN PERPETUITY OF ALL NON-NATIVE INVASIVE PLANT SPECIES.
- THIS SITE PLAN/SUBDIVISION PLAN WILL COMPLY WITH SEC. 62-4341 (14) OF THE BREVARD COUNTY LANDSCAPING, LAND CLEARING, AND TREE PROTECTION ORDINANCE REGARDING SITE AND SOIL PREPARATION AND WILL COMPLY WITH SEC. 62-4342 REGARDING MAINTENANCE IN PERPETUITY FOR ALL REQUIRED PLANTED AND PRESERVED LANDSCAPE MATERIALS.
- THE METHOD OF IRRIGATION FOR PLANTS ON THIS SITE WILL BE RECLAIMED WATER.
- PER SEC. 62-4339 (2)(E) OF THE BREVARD COUNTY LANDSCAPING, LAND CLEARING, AND TREE PROTECTION ORDINANCE, CANOPY PRESERVATION AREAS NEW SUBDIVISIONS, INDUSTRIAL, INSTITUTIONAL, PUBLIC, OR COMMERCIAL DEVELOPMENTS SHALL BE WITHIN SEPARATE TRACTS, DECLARATION OF COVENANTS, RECORDED PLAT CONDITION, OR WITH SUFFICIENT PROTECTIVE LANGUAGE, NOTED ON THE APPROVED LANDSCAPE PLAN, TO PROHIBIT ACTIVITIES THAT ARE DETRIMENTAL TO THE PERPETUAL PRESERVATION OF THE AREA.
- PER SEC. 62-4338 (4) OF THE BREVARD COUNTY LANDSCAPING, LAND CLEARING, AND TREE PROTECTION ORDINANCE, VEGETATIVE BUFFERS OR OTHER GROUND COVERS THAT RETARD EROSION MUST BE ESTABLISHED WITHIN SEVEN (7) DAYS AFTER FINAL GRADE HAS BEEN ESTABLISHED OR WITHIN FOURTEEN (14) DAYS AFTER LAST CONSTRUCTION ACTIVITY HAS OCCURRED.
- ANY STATE AND FEDERAL PERMITS THAT MAY BE REQUIRED AS A RESULT OF LAND CLEARING AND LANDSCAPING ACTIVITIES ARE THE RESPONSIBILITY OF THE OWNER OR DESIGNEE.
- ANY CHANGES TO THE APPROVED LANDSCAPE AND/OR CLEARING PLAN WILL BE CONFIRMED IN WRITING THROUGH THE BREVARD COUNTY NATURAL RESOURCES MANAGEMENT OFFICE PRIOR TO PLANTING. FAILURE TO OBTAIN WRITTEN APPROVAL TO THE APPROVED LANDSCAPE AND/OR CLEARING PLAN BY THE BREVARD COUNTY NATURAL RESOURCES MANAGEMENT OFFICE MAY DELAY THE ISSUANCE OF THE CERTIFICATE OF OCCUPANCY AND/OR CERTIFICATE OF COMPLETION.
- PER SEC. 62-4341 (3) OF THE BREVARD COUNTY LANDSCAPING, LAND CLEARING, AND TREE PROTECTION ORDINANCE, PLANTS SHALL BE AT LEAST FLORIDA NO. 1 GRADE AS DEFINED BY ORDINANCE STANDARDS FOR NURSERY PLANTS, 1998, DIVISION OF PLANT INDUSTRY, FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES, AS MAY BE AMENDED.
- PER SEC. 62-4339 (2)(C) OF THE BREVARD COUNTY LANDSCAPING, LAND CLEARING, AND TREE PROTECTION ORDINANCE, PRESERVED TREES SHALL HAVE PROTECTIVE BARRIERS DURING CONSTRUCTION WHICH ENCOMPASS THE ROOT PROTECTION ZONE...IT SHALL BE THE RESPONSIBILITY OF THE APPLICANT/OWNER TO SCHEDULE AN INSPECTION WITH NRMCO OR PROVIDE A NOTARIZED STATEMENT FROM A NOTARIZED KNOWLEDGEABLE PERSON, PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE OF FLORIDA, PROFESSIONAL CIVIL ENGINEER, OR PROFESSIONAL ARCHITECT, REGISTERED IN THE STATE OF FLORIDA AND PROFICIENT IN SITE DESIGN THAT PROTECTIVE BARRIERS HAVE BEEN CORRECTLY INSTALLED. FAILURE TO SCHEDULE AN INSPECTION OR PROVIDE THE NOTARIZED STATEMENT PRIOR TO ANY LAND CLEARING, ALTERATION, OR COMMENCEMENT OF CONSTRUCTION INCLUDING GRADING AND FILLING, SHALL CONSTITUTE A VIOLATION...AND MAY BE SUBJECT TO STOP WORK ORDER AND OTHER PENALTIES AND REMEDIES PURSUANT TO SECTION 62-4336. THE ONLY ALLOWABLE ACTIVITIES PRIOR TO FILING THE NOTARIZED STATEMENT WITH NRMCO SHALL BE THOSE ACTIVITIES NECESSARY FOR COMPLIANCE WITH STORMWATER POLLUTION PREVENTION PLANS (SWPPP) AND FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES).

LANDSCAPE NOTES

- ALL PLANTING TO CONFORM TO ALL APPLICABLE LAWS OF THE CITY OF VIERA AND BREVARD COUNTY.
- ALL PLANTED AREAS, INCLUDING SOD, ARE TO RECEIVE 100% COVERAGE WITH 75% MINIMUM OVERLAP BY AN UNDERGROUND, AUTOMATIC IRRIGATION SYSTEM.
- ABOVE AND BELOW GRADE UTILITY LOCATIONS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCING WORK. IF UTILITY CONFLICTS BECOME EVIDENT, THE CONTRACTOR SHALL CONTACT THE OWNER'S REPRESENTATIVE FOR ANY NECESSARY ADJUSTMENTS. WHEN WORKING IN AREAS WHERE UTILITIES ARE KNOWN TO EXIST, UTILITY LOCATIONS MAY NEED TO STAKED BY A SURVEYOR OR UTILITY COMPANY. THE CONTRACTOR HAS THE OPTION TO CALL 'SUNSHINE ONE CALL' AT 1-800-432-4770 TO SCHEDULE LOCATION OF UTILITIES THAT SUBSCRIBE TO THEIR SERVICE.
- ALL PLANT MATERIAL SHALL BE IN OPTIMUM CONDITION, FREE OF ALL INSECTS AND DISEASE, AND SHALL BE EQUAL OR SUPERIOR TO FLORIDA #1 PER THE STATE OF FLORIDA GRADES AND STANDARDS FOR NURSERY PLANTS.
- PLANT MATERIAL SHALL MEET OR EXCEED ALL SPECIFICATIONS REGARDING SIZING. IT MAY BE NECESSARY TO EXCEED SOME OF THE SPECIFICATIONS TO MEET THE MINIMUM REQUIREMENTS OF OTHERS.
- FINAL PLANT MATERIAL LOCATIONS MAY BE FIELD ADJUSTED AT TIME OF INSTALLATION TO AVOID GROWTH INTERFERENCE WITH NEARBY UTILITIES.
- CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER OF ANY QUANTITY DISCREPANCIES BETWEEN SCHEDULE AND PLAN PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL REMOVE ALL LIMEROCK, LOOSEN COMPACTED SUBGRADE, AND BACKFILL WITH TOPSOIL, IN ALL PARKING LOT ISLANDS BEFORE INSTALLING ANY PLANT MATERIAL. TOPSOIL MUST BE APPROVED PRIOR TO BACKFILLING.
- PLACEMENT OF ALL PLANT MATERIAL SHALL BE APPROVED BY THE OWNER BEFORE INSTALLATION. ANY PLANT MATERIAL INSTALLED BEFORE APPROVAL WILL BE SUBJECT TO RELOCATION AT THE CONTRACTOR'S EXPENSE.
- ALL TREE PITS SHALL BE FREE OF ROCKS OVER 3/4" IN DIAMETER, STICKS, AND OTHER DEBRIS. CONTRACTOR MUST VERIFY THAT TREE PITS DRAIN PROPERLY. IF WATER IN THE TREE PIT DOES NOT COMPLETELY PERCOLATE INTO THE SOIL WITHIN ONE HOUR, A REMEDY TO MEET REQUIRED PERCOLATION MUST BE PROVIDED.
- PLANTING BACKFILL MIX SHALL BE 4 PARTS NATIVE SOIL FROM EXCAVATION AND 1 PART PEAT OR OTHER APPROVED COMPOST MIX.
- APPLY AN 8-2-12 FERTILIZER WITH MINOR ELEMENTS TO ALL NEW PLANTING AT THE RATE RECOMMENDED BY THE MANUFACTURER. SUBMIT PROPOSED FERTILIZER FOR APPROVAL BEFORE APPLICATION.
- IT WILL BE THE SOLE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR TO INSURE THAT ALL NEW PLANTING RECEIVE ADEQUATE WATER DURING INSTALLATION AND THROUGHOUT THE PLANT WARRANTY PERIODS. DEEP WATERING OF ALL NEW PLANTS AND ANY SUPPLEMENTARY WATERING THAT MAY BE REQUIRED TO AUGMENT NATURAL RAINFALL OR SITE IRRIGATION IS MANDATORY TO INSURE PROPER PLANT DEVELOPMENT AND SHALL BE PROVIDED AS PART OF THIS CONTRACT.
- MULCH SHALL BE CRIMSON LAVA ROCK, 1" - 2.5" GRADATION, AND PLACED AT A TOTAL THICKNESS OF 2" UNLESS OTHERWISE NOTED. CONTRACTOR SHALL SUBMIT FOR APPROVAL.
- THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR HOLDING THE FINE GRADING OF PLANTING AREAS TO INSURE AT LEAST 3% POSITIVE DRAINAGE AWAY FROM BUILDINGS AND INTO TURF AREAS, PONDS, STREETS OR OTHER DRAINAGE WAYS. TURF AND PLANTING BEDS SHALL MEET SIDEWALKS AND FLATWORK AT 2" BELOW THE FLATWORK.
- IF REQUIRED, PRUNING OF EXISTING TREES AS FIELD DIRECTED BY OWNER'S REPRESENTATIVE SHALL BE CONDUCTED UNDER THE DIRECT SUPERVISION OF A CERTIFIED ARBORIST IN THE FIELD.
- LANDSCAPE CONTRACTOR SHALL REPAIR, RELOCATE AND/OR REPLACE ANY DAMAGED OR REMOVED LANDSCAPE AFFECTED BY CONSTRUCTION NOT DELINEATED FOR ACTION ON THE DEMOLITION PLANS. CONTRACTOR SHALL OBTAIN APPROVAL FROM OWNER'S REPRESENTATIVE PRIOR TO ANY REMEDIATION LANDSCAPE EFFORTS.
- SODDING IS REQUIRED FOR ALL AREAS DISTURBED THAT ARE NOT TO RECEIVE LANDSCAPE OR HARDSCAPE. CONTRACTOR SHALL CONFIRM SOD QUANTITY PRIOR TO BID.
- DURING THE WARRANTY PERIOD, THE CONTRACTOR SHALL REPLACE AT HIS OWN EXPENSE ANY PLANT THAT DIES OR FALLS BELOW CONTRACT SPECIFICATION REQUIREMENTS AND IN THE OPINION OF THE OWNER WILL NOT FULLY RECOVER BEFORE THE END OF THE WARRANTY PERIOD. THE CONTRACTOR MUST REPLACE DEFECTIVE MATERIAL WITHIN 30 DAYS OF NOTIFICATION.
- THE LANDSCAPING INSTALLED WILL ADHERE TO THE CLEAR SIGHT DISTANCE SPELLED OUT IN THE FDM 212.11, CLEAR SIGHT TRIANGLES, AND ASSURE THAT ANY NEW LANDSCAPING PROPOSED ON THE SITE IS NOT WITHIN THE LIMITS OF CLEAR SIGHT AND MEETS REQUIREMENTS SPELLED OUT. IF NOT, THE LANDSCAPING WILL NEED TO BE RELOCATED.

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1	11/7/18	BREVARD COUNTY COMMENTS	CP	PK
2	12/10/18	BREVARD COUNTY COMMENTS	CP	PK
3	03/04/19	BREVARD COUNTY COMMENTS	CP	LA
4	03/24/19	BREVARD COUNTY COMMENTS	CP	LA
5	09/13/19	PER CLIENT COMMENTS	CP	LA

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FOR PERMITTING	NO

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BREVARD COUNTY, FL
100060192**

Drawing Title
**LANDSCAPE NOTES
& SCHEDULE**

Scale	Designed	Drawn	Checked	Authorized
	JL	DF		
Original Size	Date	Date	Date	Date
ARCH D				
Drawing Number				Revision
CFG08.2				