

JOHNSON TECHNOLOGY PARK PHASE II NATIVE AND DIVERSITY PLANT CALCULATIONS 3/23/2016				
	NATIVE	QUANTITY	NATIVE QUANTITY	PERCENTILE
TREES				
100% NATIVE				
RED MAPLE	NATIVE	37	37	10.5%
GUMBO LIMBO	NATIVE	32	32	8.0%
PIGEON PLUM	NATIVE	21	21	6.0%
SILVER BUTTWOOD	NATIVE	30	30	8.5%
ORANGE GEIGER	NATIVE	18	18	5.1%
DAHOOON HOLLY	NATIVE	15	15	4.3%
SIMPSON'S STOPPER	NATIVE	50	50	14.3%
SLASH PINE	NATIVE	21	21	6.0%
LIVE OAKS	NATIVE	56	56	16.0%
BALD CYPRESS	NATIVE	70	70	20.0%
	100 PERCENT NATIVE	350	350	
PLANT DIVERSIFICATION (NO TREE MORE THAN 25% OF REQUIRED) 338 TREES (25% MAXIMUM = 84 MAXIMUM OF ANY TREE SPECIES)				
SHRUBS				
96% NATIVE				
BEAUTYBERRY	NATIVE	100	100	5.1%
JAMAICA CAPER	NATIVE	460	460	23.6%
COCOPLUM	NATIVE	480	480	24.6%
PITCH APPLE	NATIVE	60	60	3.1%
GREEN BUTTWOOD	NATIVE	465	465	23.9%
CROTON	NATIVE	72	72	3.6%
FIREBUSH	NATIVE	310	310	16.0%
	96 PERCENT NATIVE	1,847	1,875	
ACCENTS AND GROUNDCOVERS				
97% NATIVE				
CAT PALMS	NATIVE	126		3.1%
GOLDEN CREEPER	NATIVE	600	600	14.8%
SPIDER LILY	NATIVE	780	780	19.2%
MUHLI GRASS	NATIVE	870	870	21.5%
BOSTON FERN	NATIVE	980	980	24.1%
FAKAHATCHEE GRASS	NATIVE	195	195	4.8%
FLORIDA GAMA GRASS	NATIVE	500	500	12.3%
	97 PERCENT NATIVE	4,051	3,925	

JOHNSON TECHNOLOGY PARK PHASE II LANDSCAPE REQUIREMENTS 3/23/2016					
	TREES	SHRUBS			
	REQUIRED	PROVIDED	REQUIRED	PROVIDED	
ZONING CATEGORY:		PCD			
TOTAL AREA:		17.23 AC.			
OPEN SPACE PROVIDED:		285,715 S.F.			38.06%
PHASE I (BUILDING "A") EXISTING					
AREA:		3.38 AC.			
OPEN SPACE PROVIDED:		147,253 S.F.			38.43%
PHASE II (BLDG'S "B" AND FUTURE DEVELOPMENT "C") PROPOSED					
AREA:		13.85 AC.			
OPEN SPACE PROVIDED:		603,403 S.F.			227,844 S.F.
TOTAL AREA:					
PHASE I AND ENTRANCE ROAD		750,656			
PROPOSED LAKE		185,517			
PROPOSED BLDG C FOOTPRINT		23,836			
PHASE II		100,963			
		435,340			
PHASE II					
BUILDING		435,340			
VEHICULAR USE AREA (V.U.A.)		164,648			
SIDEWALKS AND DUMPSTER (CONC.)		91,195			
OPEN SPACE		31,391			
		148,106			
13-443 (2) PLOT - 1 TREE, 5 shrubs/1000 S.F. OPEN SPACE					
	149	149	605	1,441	
148,106 S.F. / 1,000 = 148 TREES					
30 CET+23 IC+10 TL+8 LB					
33 MF+5 OV+21 PEL+183 VM					
13-443 (7) d-Building Perimeters					
1 tree, 20 shrubs 30 groundcovers/40 l.f.					
BUILDING "B": 1,208'40" x 31'	31	32	620	810	
18 CS+14 PALMS (42RE3)					
groundcovers					
930					
1,325					
FUTURE DEVELOPMENT "C": NOT INCLUDED					
13-443 (10) a-Perimeter Landscaping					
NORTH: 610' @ 1/30 L.F. = 21					
21					
21 TD					
SOUTH: 325' + 330' (JOHNSON RD) @ 1/30 L.F. = 22					
22					
11 EXIST+					
6 LB+5 PEL					
EAST: 630' + 620' @ 1/30 L.F. = 42					
42					
23 BS+19 MF					
WEST: 249' + 620' @ 1/30 L.F. = 29					
29					
8 BS+EXIST 21 OV					
13-443 (12) a-Vehicular Use Areas					
1 tree / 10 parking spaces					
12					
15					
112 parking spaces					
15 OV					
13-443 (12) b-Vehicular Use Areas					
91,195					
112 piking spaces x 300= 33,600					
91,195 - 33,600= 57,595 s.f.					
1 s.f./ 100 s.f. vua = 576 s.f.					
perimeter buffers: 12,806 s.f. measured					
9,456 (w & s) -7,336 (w & s buffers) = 2,120 s.f.					
2,120 s.f.					
13-443 (13) Street Trees					
1 TREE/40 L.F.					
8					
10					
JOHNSON ROAD.					
330' - 30' (driveway)= 300/40' =					
EXISTING					
N.W. 51st TERRACE.					
630' - 60' (driveway)= 570/40' =					
15					
19					
19 OV					
N.W. 68th STREET					
610' /40' =					
16					
16					
12 OV+2 TD+2 AR					
TOTAL					
345					
355					
1,225					
2,056					
Palm Calculations					
CANNOT BE OVER 50% OF REQUIRED TREES					
351 trees x 50%= maximum					
MAX. 60 PALMS/3					
13-444 (6) TREE SPECIFICATIONS					
1. Shade/Canopy Tree 40% of Required Trees					
141					
182					
31 BS+6 LB+21 PEL+56 OV+66 TD					
351 X .4 = 141					
2. Intermediate Tree 30% of Required Trees					
106					
106					
37 AR+21 CD+30 CET+18 CS					
351 X .3 = 106					
NATIVE REQUIREMENT					
50% OF REQUIRED TREES					
176					
338					
SHRUBS					
50% OF REQUIRED SHRUBS=					
50% OF 1225= 613					
1,984					

**CITY OF COCONUT CREEK
STANDARD LANDSCAPE NOTES**

- All landscape and specifications shall meet or exceed the minimum requirements as provided in the City of Coconut Creek Land Development Code. Plans are incomplete without written notes and specifications.
- All planting material shall meet or exceed Florida Grade #1 as specified in Grades and Standards for Nursery Plants, current edition. Trees shall not be tipped, topped, or shaped prior to installation.
- Landscape shall be placed to edge of abutting streets, canals, lakes or other lands.
- All mechanical equipment, air conditioning, irrigation pump stations and equipment, FPL transformers, pool pumps, etc., must be screened on three (3) sides by landscape shrubs.
NOTE: The quantity of screening shrubs is in addition to the required number of shrubs as provided in the code calculation table. All screening shrubs shall be planted for proper operation of equipment being screened and/or per the requirements of the utility as necessary. All hedge material required for screening purposes shall be planted with branches touching. Adjust on-center spacing as necessary and/or provide additional plants to provide an adequate screen.
- Sight distance concerns must be maintained for clear sight visibility from thirty (30) inches to seventy-two inches, tree trunks excluded. Measurement shall be made from top of root ball planted at proper elevation.
Guying/taking practices shall not permit nails, screws, wires, etc., to penetrate outer surfaces of trees, palms or other plant material. Trees, palms and plant material rejected due to this practice shall be replaced with the inspector on site.
- Plant material shall be watered in at time of planting to eliminate air pockets in the root zone area.
- Do not plant trees, shrubs or groundcover within Electric Meter Clear Zone. Provide a safe zone as described by the Electrical Inspector.
- All landscaped areas shall be provided with an underground fully automatic irrigation system using pop-up sprinklers. System shall provide 100% coverage with 50% overtop (minimum) using soft free water, except preserved areas remaining in natural state. A rain sensor device or switch shall be installed that will override the irrigation system when adequate rainfall has occurred. Water shall not be directed and/or provided onto impervious surfaces and/or be designed or installed to throw water over an impervious surface such as a sidewalk, etc. Hours of operation for all irrigation systems shall be limited to 5:00 p.m. to 8:00 a.m. only or as may be further restricted by South Florida Water Management District or other jurisdictional agency.
Irrigation permits and plans shall be submitted for approval at time of building permits.
- All non-single family or duplex irrigation systems other than City water systems shall require a South Florida Water Management District water use permit prior to issuance of an irrigation permit and installation of the irrigation system as required.
- All site amenities to include site street lights, landscape common open space, irrigation common open space, buffers, berms, landscape entry features, etc. leading up to and including the model center and/or first certificate of occupancy must be completed and functional prior to issuance of the first requested certificate of occupancy.
- The height of all required, designed and installed berms shall be from the highest adjacent point whether it is the sidewalk, parking area, vehicular use area, surrounding ground, etc. Where a berm abuts a sidewalk, there shall be a one (1) foot level sod area adjacent to the sidewalk prior to the start of incline for the berm.
- An inspection is required prior to the backfilling of trees/palms in all parking medians and islands.

NOTE: THIS COMMENT SHEET IS TO BE PLACED ON ALL LANDSCAPE PLANS "AS IS"

JOHNSON TECHNOLOGY CTR. PHASE II PLANTLIST				
SYM.	NATIVE	NAME	BOTANICAL NAME	SPECIFICATION
PROPOSED TREES				
AR	YES	31 RED MAPLE	Acer rubrum	25 gal. 10' x 5' spr., 2 1/2 cal.
BS	YES	32 GUMBO LIMBO	Bursera elmaruba	12' x 6' spr., 2 1/2' cal.
CD	YES	21 PIGEON PLUM	Coccoloba diversifolia	12' x 6' spr., 2 1/2' cal.
CET	YES	30 SILVER BUTTWOOD	Conocarpus erect. 'Sericeus'	10' x 6', STANDARD
CS	YES	18 ORANGE GEIGER	Cordia sebestena	FG, 8' x 5', 2' cal.
IC	YES	15 DAHOON HOLLY	Ilex cassine	10' x 5' spr., 2' cal.
MF	YES	56 SIMPSON'S STOPPER	Myrsine fragrans	10' x 6', max. 5 tks. # o.a. ht.
PEL	YES	5 SLASH PINE	Pinus elliotii	FG, RFG, 12' o.a., 3' cal.
QV6	YES	11 LIVE OAKS	Quercus virginiana	16' x 7' spr., 4' cal. 6' c.t.
TD	YES	10 BALD CYPRESS	Taxodium distichum	12' x 6' spr., 2 1/2' cal.
PALMS				
RE	YES	42 ROYAL PALMS	Roystonea elata	8' GW, 30' o.a. full head
VM3	18	MONTGOMERY PALMS	Veitchia montgomeryana	TPL, TK, FG, 14' o.a., full hcd.
SHRUBS				
CAM	YES	100 BEAUTYBERRY	Callicarpa americana	18' x 18', 24' o.c., full, 3 gal.
CCT	YES	460 JAMAICA CAPER	Capparis cynophallophora	1 gal., 30' x 24', 24' o.c. full
CIT	YES	480 COCOPLUM	Chyobalanus icaco	1 GAL., 30' x 24' full, 24' o.c.
CRT	YES	60 PITCH APPLE	Clusia rosea	1 GAL., 36' ht., 30' o.c., FTB.
CEH	YES	465 GREEN BUTTWOOD	Conocarpus erectus	3 gal., 24' x 24', 24' o.c., full
CRO	12	CROTON 'PETRA'	Codiaeum variegatum	3 gal., 18' x 18', 18' o.c., full
HPD	109	DWARF FIREBUSH	Hamelia nodosa	3 gal., 18' x 18', 18' o.c.
HP	YES	310 FIREBUSH	Hamelia patens	3 gal., 24' x 24', 24' o.c., full
ACCENTS AND GROUNDCOVER PLANTS				
CAT	126	CAT PALMS	Chamaedorea cataractarum	15 gal., 3' x 3', 30' o.c.
EL	YES	600 GOLDEN CREEPER	Ernodea littoralis	1 gal., 12' x 8', full, 12' o.c.
HYM	YES	780 SPIDER LILY	Hymenocallis latifolia	3 gal., 12' x 12' full, 14' o.c.
MUH	YES	870 MUHLI GRASS	Muhlenbergia capillaris	12' x 12', 18' o.c., full, 1 gal.
NEP	YES	980 BOSTON FERN	Nephrolepis exaltata	1 gal., 12' x 12' full, 15' o.c.
FAK	YES	195 FAKAHATCHEE GRASS	Tripsacum dactyloides	3 gal., 24' x 24', 30' o.c., full
FGG	YES	500 FLORIDA GAMA GRASS	Tripsacum floridana	12' x 12', 18' o.c., full, 1 gal.
SOD:				
FLO	138,925 SF.	'FLORATAM' ST. AUGUSTINE	Stenotaphrum secundatum	SOLID SOD, price per s.f.
BAH	136,925 SF.	'ARGENTINE' BAHIA SOD	Paspalum notatum	SOLID SOD, price per s.f.
TOPSOIL:				
175 C.Y. TREES, PALMS, SHRUBS AND GROUNDCOVERS				
900 C.Y. AREA TO BE SODDED WITH A 2' DEPTH OF TOPSOIL SPREAD IN PLACE				
MULCHING:				
300 C.Y.-/-' PINE BARK' MULCH				
3' DEPTH, SPREAD IN PLACE, ATLAS FEAT AND SOIL				
PROVIDE SAMPLE FOR APPROVAL PRIOR TO INSTALLATION				
--- TOPSOIL, SOD AND MULCH QUANTITIES SHOWN ARE APPROXIMATE, CONTRACTOR TO PROVIDE A UNIT PRICE PER UNIT AND WILL BE PAID ON THAT UNIT PRICE BASIS UPON FINAL INSPECTION AND APPROVAL.				

SEE CONTIGUOUS LANDSCAPE PLANS, SHEETS L-2 THROUGH L-1 FOR SECTOR LANDSCAPE PLANS (L-2 TO L-5), PROJECT AREA CALCULATIONS (L-6), LANDSCAPE DETAILS (L-7).

SEE IRRIGATION PLANS FOR IRRIGATION LAYOUT, DETAILS, SPECIFICATIONS, ETC.

**PROJECT AREA CALCS.,
PLANTLIST, ETC.**

NO.	DATE	DESCRIPTION
1	02/09/15	For DRG comments dated 02/09/15
2	02/11/16	For DRG comments Review 2 dated 02/11/16

JOHNSON TECHNOLOGY PARK II
FLORIDA
CITY OF COCONUT CREEK

DATE:
Apr. 2016

SCALE:
1"=50'

DESIGNED BY:
M.G.

DRAWN BY:
M.A.S.

JOB NUMBER
13-3581

SHEET No.
L-6

SEAL
JAMES F. SOGASH
R.L.A. # 000192