

REQUIRED LANDSCAPE PLANT LIST

CAT. #	KEY	QTY	PLANT AND SPECIFICATION
TREES AND PALMS			
2	N IC	9	Ilex Cassine (Dahoon Holly) 8' ht., 2'-3' spr., 1.5" cal., columnar form
1	N PE	10	Pinus Elliottii (Slash Pine) 12' ht., 5' spr., 2" cal., full, 15" o.c.
1	N QV	8	Quercus virginiana (Live Oak) 12' ht., 5' spr., 2" cal., full canopy
KEY QTY PLANT AND SPECIFICATION			
SHRUBS, GROUNDCOVERS AND ACCENTS			
N CHR	448	Chrysobalanus icaco (Cocoplum) 20" ht., 20" spr., full, 24" o.c.	
FGI	170	Ficus microcarpa 'Green Island' 12" ht., 14" spr., full, 18" o.c.	
** N HAM	100	Hamelia patens (Firebush) 24" ht., 24" spr., full, 24" o.c.	
N IVS	166	Ilex vomitoria 'Nana Schillings' (Yaupon Holly) 12" ht., 12" spr., full, 18" o.c.	
N MUH	48	Muhlenbergia capillaris (Muhly Grass) 12" ht., 12" spr., full, 24" o.c.	
SOD			
St. Augustine 'Floritam' - contractor to determine quantity			
MULCH			
Non-cypress mulch. Mulch not to be red in color. contractor to determine quantity			
N DENOTES NATIVE SPECIES			

TREE REPLACEMENT/MITIGATION PLANT LIST

UNIT REPLACEMENT AREA S.F.	TOTAL REPLACEMENT AREA S.F.	KEY	QTY	PLANT AND SPECIFICATION
300 sf	1	9,600	N AR	32 Acer rubrum (Red Maple) 12' ht., 5' spr., 2" cal., full canopy
150 sf	2	600	N CE	4 Conocarpus erectus 'sericus' (Silver Buttonwood) 8' ht., 2'-3' spr., 1.5" cal., full single trunk,
150 sf	2	3,600	N IC	24 Ilex Cassine (Dahoon Holly) 8' ht., 2'-3' spr., 1.5" cal., columnar form
300 sf	1	20,400	N PE	68 Pinus Elliottii (Slash Pine) 12' ht., 5' spr., 2" cal., full, 15" o.c.
300 sf	1	20,400	N QV	68 Quercus virginiana (Live Oak) 12' ht., 5' spr., 2" cal., full canopy
300 sf	1	6,600	N LO	22 Quercus laurifolia (Laurel Oak) 12' ht., 5' spr., 2" cal., full canopy
300 sf	1	20,400	N TD	68 Taxodium distichum (Bald Cypress) 12' ht., 5' spr., 2" cal., full canopy
GRAND TOTAL 81,600 S.F. IN TREE REPLACEMENT VALUE				
N DENOTES NATIVE SPECIES				

TREE CATEGORY

REPLACEMENT TREE CATEGORY	EQUIVALENT REPLACEMENT CANOPY AREA IN S.F.
CATEGORY 1	300 SF
CATEGORY 2	150 SF
CATEGORY 3	100 SF
CATEGORY 4	50 SF

TREE REPLACEMENT SPECIES REQUIREMENTS

REPLACEMENT	SPECIES UTILIZED
1-5 trees	1
6-10 trees	2
11-20 trees	3
21-50 trees	4
51+	5

SPECIES DIVERSIFICATION

THERE ARE 272 TREES TO BE REPLACED ON SITE, THEREFORE, 5 SPECIES MUST BE UTILIZED IN THE PROPOSED TREES. THERE ARE 7 SPECIES OF TREES/PALMS USED ON THE PLAN INCLUDING 7 SPECIES OF TREES AND 0 SPECIES OF PALMS.

SEE SHEET TR-1 AND TR-2 FOR EXISTING TREE PLAN, DATA AND DISPOSITION

SEE LANDSCAPE PLANS SHEETS LP-1 THRU LP-2 FOR PROPOSED PLANT SPECIES, QUANTITIES AND LOCATIONS.

TREE REPLACEMENT PERCENTAGE OF CATEGORY 1 TREES

50% OF REPLACEMENT TREES NEED TO BE CATEGORY 1 TREES.
PROVIDED IS 90% CATEGORY 1 REPLACEMENT TREES

NATIVE CALCULATIONS

TREES: THERE ARE 206 TREES ON PLAN. 206 ARE NATIVE = 100% OF TREES ARE NATIVE
SHRUBS: THERE ARE 932 SHRUBS ON PLAN. 762 ARE NATIVE = 81% ARE NATIVE..

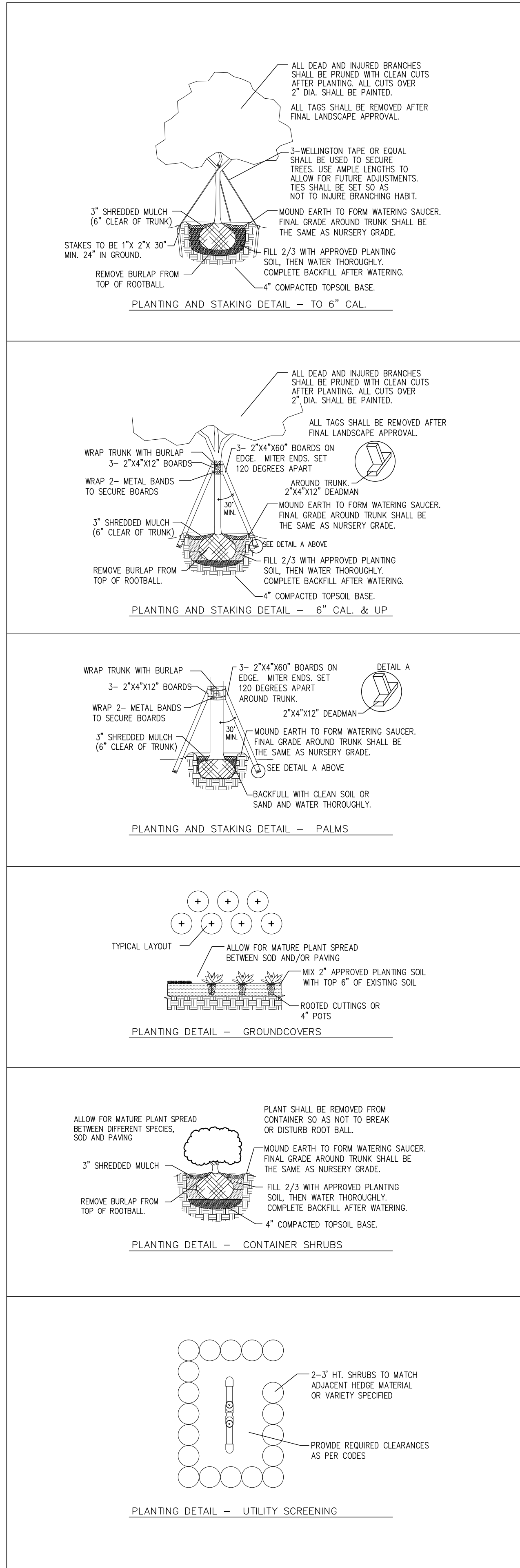
LANDSCAPE TABULAR DATA

NON-RESIDENTIAL LANDSCAPE REQUIREMENTS			
CATEGORY	REQUIREMENT	VEGETATION REQUIRED	VEGETATION PROVIDED
INTERIOR VEGETATION AREA	16,600 S.F.		
INTERIOR TREES	1/1,000 S.F.	17 TREES	17 TREES
INTERIOR SHRUBS	5/1,000 S.F.	83 SHRUBS	83 SHRUBS
PERIMETER VEGETATION			
VEHICULAR USE AREA	REQUIREMENT	VEGETATION REQUIRED	VEGETATION PROVIDED
TREES	1 TREE PER 40 LF	10 TREES	10 TREES
SHRUBS	20 SHRUBS PER 40 LF	195 SHRUBS	195 SHRUBS
INTERIOR SHRUBS	30 GROUNDCOVERS PER 40 LF	293 GROUNDCOVERS	293 GROUNDCOVERS

STREET FRONTAGE	NO STREET FRONTAGE-INTERIOR SITE
-----------------	----------------------------------

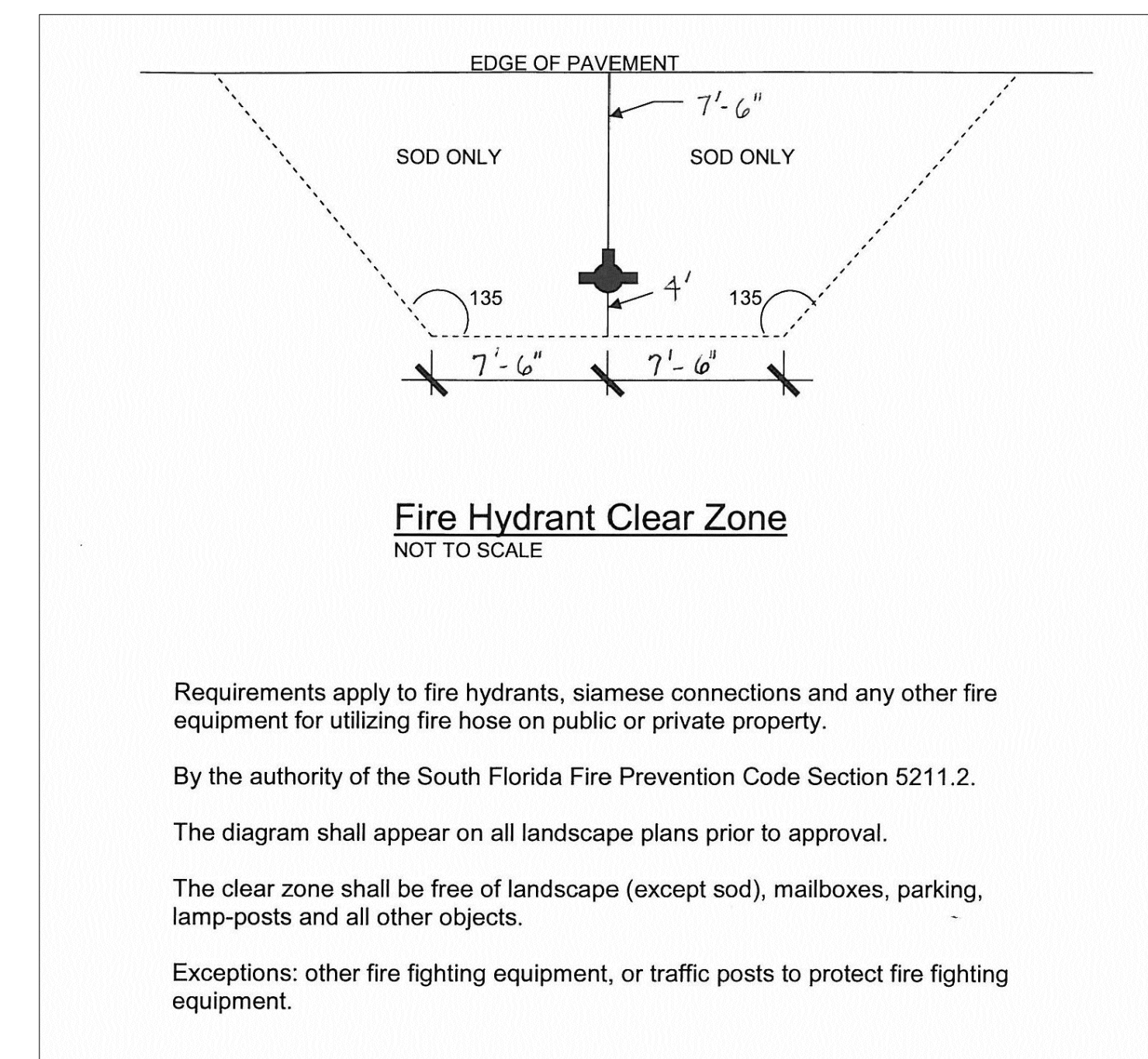
LANDSCAPING BETWEEN BUILDING AND PARKING			
NO NEW PARKING FOR SITE			
TOTALS	27 TREES REQUIRED	27 TREES PROVIDED**	
	278 SHRUBS	596 SHRUBS/GC	
	293 GROUNDCOVER	336 SHRUBS/GC	

** MIN. 30% OF THE REQUIRED TREES ARE CAT. 2 CANOPY TREES
9 OF THE REQUIRED TREES ARE CAT. 2 INTERMEDIATE SIZE TREES



IRRIGATION NOTE:

EXISTING IRRIGATION SYSTEM TO BE MODIFIED TO PROVIDE 100% COVERAGE FOR ALL PLANT MATERIAL. BUBBLERS TO BE INSTALLED AT ALL TREES USED FOR MITIGATION. WATER SOURCE IS THE EXISTING LAKE. IRRIGATION SYSTEM TO PROVIDE A RAIN SENSOR -REQUIRED PER CODE.



Requirements apply to fire hydrants, siamese connections and any other fire equipment for utilizing fire hose on public or private property.

By the authority of the South Florida Fire Prevention Code Section 5211.2.

The diagram shall appear on all landscape plans prior to approval.

The clear zone shall be free of landscape (except sod), mailboxes, parking, lamp-posts and all other objects.

Exceptions: other fire fighting equipment, or traffic posts to protect fire fighting equipment.

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/staking 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.
- Burlap material, wire cages, plastic/canvas straps, etc., must be cut and removed for the top one-half (1/2) depth of the root ball. Trees and shrubs grown in grow bags or grow bag type material must have such material REMOVED ENTIRELY prior to planting the tree or shrub.
- All plant material shall be free of pests, insects, disease, weeds, etc.
- All required landscape material shall be installed using a planting soil mix comprised of a type appropriate to the individual proposed plant material and the native soil found on the site.
- All plant material shall be planted at the proper depth, as originally grown and/or so the top of the root ball is flush or slightly above finished grade immediately after planting. All trees should provide trunk taper when properly planted at the correct planting depth.
- All plant material shall be watered in at time of planting to eliminate air pockets in the root zone area.
- Color-treated or dyed mulch will not be accepted.
- Upon completion of work, the site shall be cleared of all debris, superfluous materials, and equipment caused by this permit to the satisfaction of the inspector.
- Refer to Coconut Creek Fire Equipment Clear Zone diagram to maintain a safe zone fronting fire hydrants.
- 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% overlap (minimum) using rust 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'.

TREE PROTECTION NOTES:

Protection from construction work. During any construction, land development or lot clearing, the contractor and the owner of the property subject to this section shall adhere to the requirements which follow.

- Place and maintain protective barriers around the drip line of all trees to be retained on the site to prevent their destruction or damage. The protective barriers shall be at least four (4) feet in height and conspicuously colored to be seen easily by operators of trucks and other equipment. Protective barriers shall be constructed of sturdy material (not flapping or ribbons) and shall be installed prior to and during construction and/or land development.
- Not store or use materials or equipment within the drip line of any tree to be retained on site unless the activity is being done to protect trees;
- Not discharge or contaminate the soil within the drip line of any tree to be retained on site with any construction materials such as paint, oil, solvents, petroleum products, asphalt, concrete, mortar, or other materials that may cause adverse impacts;
- Clearing of vegetation within the dripline of trees designated for preservation shall only be by hand or light rubber wheeled equipment that will not damage tree roots; said equipment shall be a maximum of forty-eight (48) inches wide, tire to tire, with a maximum weight of three thousand five hundred (3,500) pounds;
- Utilize retaining walls and drywells where needed to protect trees to be preserved from severe grade changes;
- Pruning of trees to be preserved shall be in accordance with the standards for pruning established by ANSI A-300.
- Make no attachments, other than those of a protective and nondamaging nature, to any tree to be retained on the site;
- Not change the natural grade above the root system within the drip line of any tree to be retained on site unless it can be demonstrated to the city that it will not damage any tree;
- Avoid any encroachments, excavations or severe grade changes within the drip line of preserved trees unless it can be demonstrated to the city that it will not impact any tree; and
- Not cause soil compaction within the dripline of any tree to be retained on site; and
- Any trees designated to be preserved which are damaged during construction shall promptly be repaired.

DRC SITE PLAN MODIFICATION



OWNER
NORTH BROWARD PREP SCHOOL
7600 LYONS ROAD
COCONUT CREEK, FL 33073
[T] 954.247.0011
[F] 954.247.0012

ARCHITECT
PGAL
791 PARK OF COMMERCE BLVD
SUITE 400
BOCA RATON, FLORIDA 33487
[T] 561.988.4002
[F] 561.988.3002
AA 000337

CONSULTANT
A. GRANT THORNBROUGH AND ASSOCIATES
132 North Swinton Avenue
Delray Beach, FL 33444
(561) 276-5050
FAX (561) 276-8777

PROJECT TITLE
TEMPORARY RESIDENTIAL MODULARS & ROAD WIDENING

PROJECT NUMBER
R1001944.00
PROJECT LOCATION
7600 LYONS ROAD
COCONUT CREEK, FLORIDA

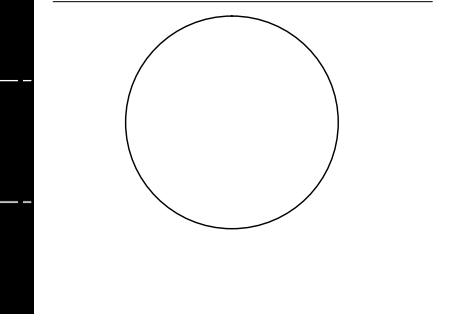
DATE OF ISSUE
MARCH 28, 2013

REVISIONS
DRC COMMENTS #1 5/1/13
DRC COMMENTS #2 5/24/13

DESIGNER
AGT/CBP
CHECKED BY **DRAWN BY**

SUBMITTAL PHASE / SET DESCRIPTION
DRC SITE PLAN MODIFICATION

APPROVED



To the best of my knowledge, the plans and specifications comply with the applicable minimum building codes and applicable minimum life safety standards
COPYRIGHT © 2013

SHEET TITLE
LANDSCAPE SPECIFICATIONS

SHEET NUMBER
LP-3