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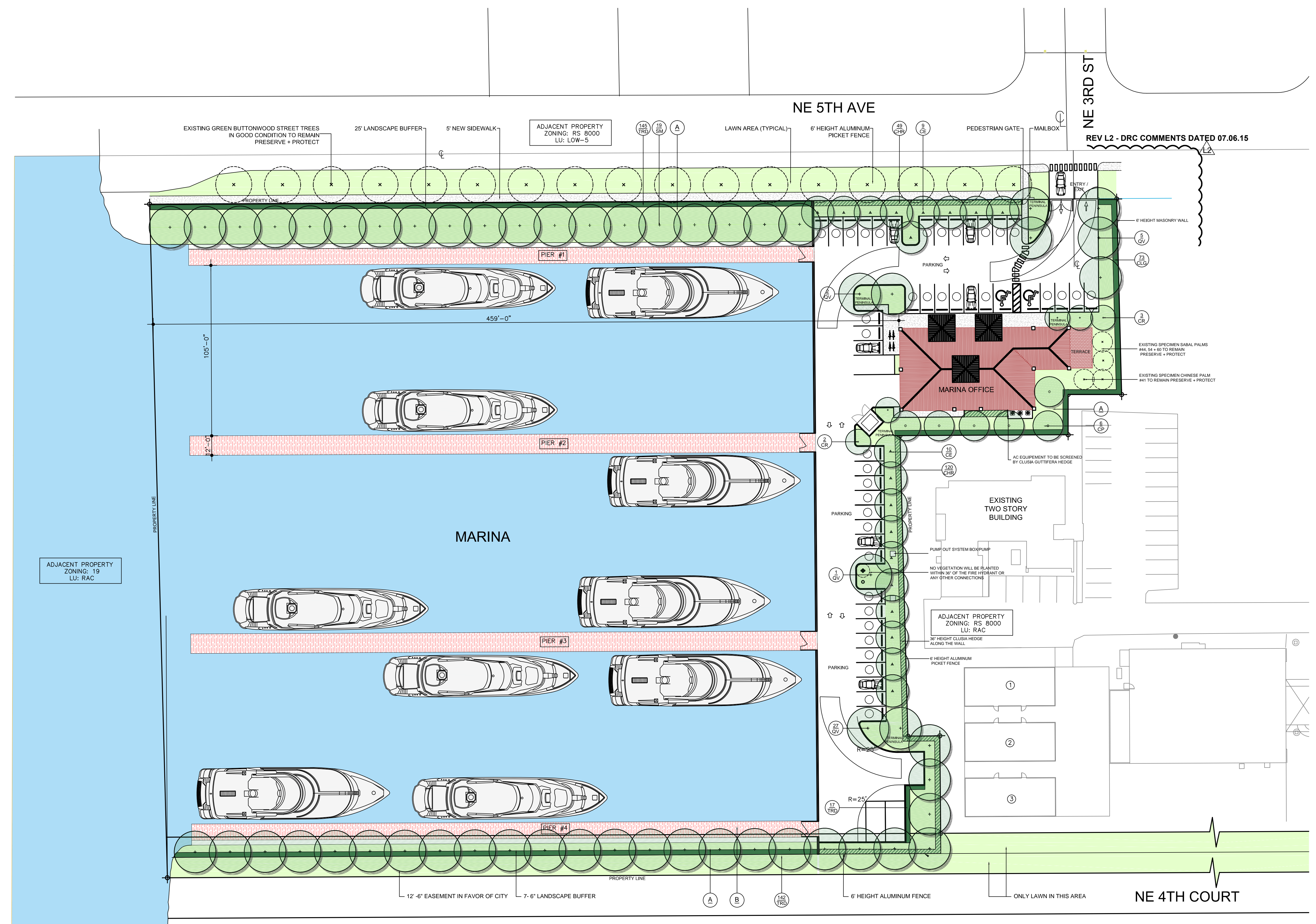
**DANIA BEACH MEGAPORT**  
 441 NE 2ND STREET, DANIA BEACH 33004

No.	Date	Description
▲	06.04.15	DRC COMMENTS
▲	07.06.15	DRC COMMENTS

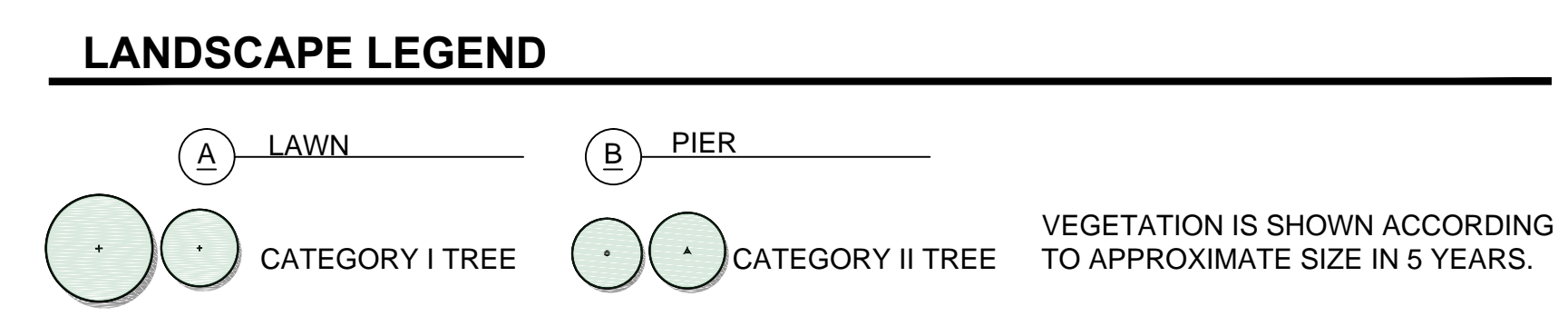
Professional Seal

CHRISTOPHER CAWLEY, RLA  
 Florida License LA 666786  
 Title: Landscape Plan  
 Scale: As Noted  
 Date: APRIL 9, 2015  
 Drawing:

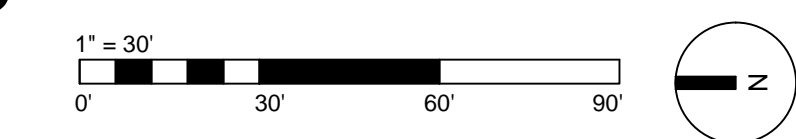
**L-1**



- REV L2 - DRC COMMENTS DATED 07.06.15**
1. Specimen trees no. 41, 44, 54 and 60 are to be relocated on site, no mitigation is required. (See Sheet L-4)
  2. Specimen trees no. 41, 44, 54 and 60 are to be relocated on site. (See Sheet L-1)
  3. All terminal peninsulas have (2) category I trees, including the two terminal islands on the SE and NW corners of the Marina Office. (See Sheet L-1)
  4. Provided a landscape area of at least 10' in depth with a 6 foot masonry wall and a minimum of 1 tree per every 40 linear feet of the abutted residential property and one shrub per every 3 feet of the abutted residential property. (See Sheet L-3)
  5. No vegetation is provided within 36" of the fire hydrant or any other connections. (See Sheet L-1)
  6. As per Sec. 825-100, an additional 50% tree replacement has been calculated into the mitigation requirements. The total mitigation required is 33,764 SF. The trees along the NE 5th Avenue sidewalk are not in conflict with the proposed design and will be preserved and protected during construction. (See Sheet L-1)



**CITY OF DANIA BEACH DRC SUBMITTAL 07.06.15 LANDSCAPE PLAN**





## LANDSCAPE NOTES

- ALL PLANT MATERIAL SHALL BE FLORIDA GRADE NO. 1 OR BETTER.
- CONTRACTOR SHALL BECOME FAMILIAR WITH THE LOCATION OF, AVOID, AND PROTECT ALL UTILITY LINES, BURIED CABLES, AND OTHER UTILITIES.
- TREE, PALM, ACCENT AND BED LINES ARE TO BE LOCATED IN THE FIELD AND APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
- ANY CHANGES TO R.O.W. (RIGHT OF WAY) MATERIAL IN REGARDS TO PLACEMENT OF SPECIES SHALL REQUIRE THE APPROVAL AND CONSULTATION OF THE CITY URBAN FORESTER AND OR CITY STAFF.**
- ALL PLANTING SOIL SHALL BE 50:50 TOPSOIL:SAND MIX, FREE OF CLAY, STONES, ROCKS, OR OTHER FOREIGN MATTER. THIS SPECIFICATION INCLUDES ALL BACKFILL FOR BERMS AND OTHER LANDSCAPE AREAS.
- CARE SHALL BE TAKEN TO AVOID PLACEMENT OF CONSTRUCTION FILL, GRAVEL, AND OR DEBRIS OVER THE ROOTBALLS OF INSTALLED OR EXISTING TREES AND OR PALMS ON SITE.**

**SODDED-LAWN AREAS**  
2" DEPTH PLANTING SOIL SPREAD IN PLACE- THROUGHOUT.

**GROUNDCOVER PLANTING BEDS:**  
6" DEPTH PLANTING SOIL SPREAD IN PLACE- THROUGHOUT.

**SHRUB AND HEDGE PLANTING AREAS:**  
24" DEPTH PLANTING SOIL SPREAD IN PLACE- THROUGHOUT.

**TREES, PALMS, SPECIMEN PLANT MATERIAL LOCATIONS:**  
REMOVE ALL LIMEROCK PRESENT TO A DEPTH OF AT LEAST 30" BEFORE PLACING NEW PLANTING SOIL. APPLY NEW CLEAN PLANTING SOIL IN PLANTING AREA AS REQUIRED

**LANDSCAPE ISLANDS AND BUILDING FOUNDATIONS:**  
EXCAVATE AND REMOVE ALL LIMEROCK, ROCKS, DEBRIS, ETC. TO A DEPTH OF 24" AND BACKFILL W/ 50:50 TOPSOIL:SAND MIX. BUILDING FOUNDATIONS SHALL BE THE SAME DEPTH TO A WIDTH OF 36" FROM THE BUILDING BASE.

- THE SITE CONTRACTOR SHALL BE RESPONSIBLE TO BRING ALL GRADES TO WITHIN 2" OF FINAL GRADES. THIS SHALL INCLUDE A 3" APPLICATION OF 50:50 TOPSOIL:SAND MIX FOR ALL LANDSCAPE AND AREAS TO BE SODDED.
- THE LANDSCAPE CONTRACTOR SHALL CALCULATE AND SUBMIT AN ITEMIZED PRICE FOR THE 3" APPLICATION OF 50:50 MIX FOR ALL SOD AREAS AS A REFERENCE IN THE CASE THAT THERE WOULD BE A DISCREPANCY BETWEEN SITE AND LANDSCAPE CONTRACTORS AND NOTIFY THE SITE CONTRACTOR OR PROJECT SUPERINTENDENT AS TO THIS DISCREPANCY. IT WILL THEN BE DETERMINED WHICH PARTY WILL PROVIDE THIS 3" TOPSOIL:SAND APPLICATION AND SUBSEQUENT PAYMENT. OTHER PLANTING SOIL MIXES TO BE ADDED, I.E. FOR TREES, PALMS, SPECIMEN PLANTS, SHRUBS AND GROUNDCOVERS SHALL BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR AND BE INCLUSIVE WITH THE LANDSCAPE BID.
- ALL TREES AND PALMS SHALL BE STAKED PER ACCEPTED STANDARDS BY THE FLORIDA NURSERYMEN & GROWERS LANDSCAPE ASSOCIATION (FNGLA) AND ANSI A-300 (PART 6)-2012 TREE, SHRUB, AND OTHER WOODY PLANT MANAGEMENT STANDARD PRACTICES (PLANTING AND TRANSPLANTING). CONTRACTOR SHALL ENSURE THAT THE PLANS, DETAILS, SPECIFICATIONS AND NOTES HAVE BEEN ADHERED TO AND THAT THE LANDSCAPE AND IRRIGATION INSTALLATION IS COMPLIANT TO ALL ITEMS AS DIRECTED ON THE PLANS PRIOR TO SCHEDULING OF THE FINAL INSPECTION.

**CONTRACTOR SHALL REMOVE ALL STAKES, POLES, WELLINGTON TAPE AND OR BRACING MATERIALS FROM ALL PALMS, TREES AND SHRUBS WITHIN 1 YEAR OF INSTALLATION.**

- ALL TREES, PALMS, SHRUBS AND GROUNDCOVERS, AND SOD / LAWN SHALL CARRY A ONE-YEAR WARRANTY FROM THE DATE OF FINAL ACCEPTANCE.
- THE PLANT LIST IS INTENDED ONLY AS AN AID TO BIDDING. ANY DISCREPANCIES FOUND BETWEEN THE QUANTITIES ON THE PLAN AND PLANT LIST, THE QUANTITIES ON THE PLAN SHALL BE HELD VALID.
- IF NECESSARY, CONTRACTOR SHALL PROVIDE A WATER TRUCK DURING PLANTING TO ENSURE PROPER WATERING-IN DURING INSTALLATION AND CONTRACTOR WILL BE RESPONSIBLE FOR CONTINUAL WATERING UNTIL FINAL ACCEPTANCE BY THE OWNER.

**A MINIMUM OF 6 MONTHS OF SUPPLEMENTAL HAND OR AUTOMATIC IRRIGATION SYSTEM WATERING SHALL BE REQUIRED TO AID IN NEW TREE OR PALM ESTABLISHMENT.**

## IRRIGATION NOTES

- IRRIGATION CONTRACTOR SHALL PROVIDE, FURNISH, AND INSTALL A FULLY AUTOMATIC IRRIGATION SYSTEM WHICH WILL COMPLY WITH ALL LOCAL CODE, STATE CODE, & WATER MANAGEMENT DISTRICT (SWFMD) REQUIREMENTS.
- THE IRRIGATION CONTRACTOR SHALL SCHEDULE AN ON-SITE PRE-CONSTRUCTION CONFERENCE WITH THE OWNER AND THE OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO COMMENCEMENT OF INSTALLATION OF THE IRRIGATION SYSTEM.
- CONTRACTOR SHALL INSTALL POP-UP TYPE HEADS. SPRAY TYPE SHALL BE ROTOR, IMPACT, SPRAY, OR BUBBLER AND SHALL BE INSTALLED SO AS NOT TO CAUSE ANY OVERSPRAY ONTO ANY PAVED SURFACES, I.E. ROADS, SIDEWALKS, ETC. ALL FIXTURES SHALL BE "TORQY", "RAINBIRD" OR AN APPROVED EQUAL. ALL WORK SHALL BE DONE IN A PROFESSIONAL MANNER AS PER MANUFACTURER'S SPECIFICATIONS.
- ALL MAIN SUPPLY LINE SHALL BE PVC SCHEDULE 40 PIPE. ALL PVC FITTINGS SHALL BE SCHEDULE 40. THE MAINLINE IS SHOWN SCHEMATICALLY. LOCATE MAIN LINES IN LANDSCAPE AREAS WHERE POSSIBLE AND SLEEVE UNDER PAVEMENT WHERE NECESSARY. MAINLINES SHALL BE IN THE SAME TRENCH WITH THE LATERAL LINES WHERE POSSIBLE.
- CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE LOCATION OF AND AVOID & PROTECT ALL UTILITY LINES, DUCTS, BURIED CABLES AND OTHER UTILITIES IN THE AREA. CONTRACTOR WILL BE RESPONSIBLE FOR THE REPAIR, LIABILITY, AND COSTS INCURRED IN THE DAMAGE OR DESTRUCTION OF SAID UTILITIES. CALL SUNSHINE STATE ONE CALLS 811, 48 HOURS PRIOR TO COMMENCEMENT OF ANY WORK FOR PROPER UTILITY LOCATION AND CLEARANCES.
- THE CONTRACTOR SHALL SECURE ALL WORK WITH THE PROJECT MANAGER, LANDSCAPE CONTRACTOR AND ALL OTHER CONTRACTORS TO INSURE PROPER INSTALLATION, SCHEDULING, AND PROCEDURE.
- THE CONTRACTOR SHALL COORDINATE WITH THE PROJECT MANAGER TO PROVIDE ELECTRICAL SUPPLY TO THE CONTROLLER, PUMP, ETC. AS NEEDED.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO SECURE ALL PERMITS AS MAY BE DEEMED NECESSARY TO PERFORM THE WORK. ENTIRE SYSTEM SHALL BE INSTALLED IN COMPLIANCE WITH ALL LOCAL AND STATE CODES.
- ALL SLEEVES UNDER PAVEMENT SHALL BE BURIED PER FLORIDA BUILDING CODE, APPENDIX "F". ALL LATERAL SLEEVES UNDER SIDEWALKS SHALL BE BURIED BELOW WALKWAYS AND SHALL BE SCHEDULE 40 PVC. ALL SLEEVING SHALL BE SCHEDULE 40 PVC PIPE AND SHALL BE 2 TIMES THE MAIN OR LATERAL PIPE SIZE.
- THE CONTRACTOR SHALL CONNECT THE MASTER VALVE (WHEN APPLICABLE) AND ALL ELECTRIC VALVES TO THE CONTROLLER AND PROVIDE PROPER SYNCHRONIZATION.
- ALL LOW VOLTAGE ELECTRIC VALVES SHALL BE #14 DIRECT BURIAL. ALL WIRES UNDER ROADS TO BE PLACED IN A SEPARATE 1" SLEEVE. CONTRACTOR SHALL PROVIDE A MINIMUM OF TWO EXTRA WIRES FOR EMERGENCY POST INSTALLATION WIRING.
- ALL LINE LOCATIONS ARE APPROXIMATE. THE CONTRACTOR SHALL ADJUST TRENCHING AND LOCATION OF SPRAY HEADS IN THE FIELD FOR EXISTING CONDITIONS, WALKS, UTILITIES, STRUCTURES, AND PLANTINGS TO PROVIDE AND INSURE 100% COVERAGE AND 100% OVERLAP.
- CONTRACTOR SHALL PROVIDE A ONE-YEAR GUARANTEE ON ALL PARTS AND A 90 DAY GUARANTEE ON LABOR FROM THE DATE OF FINAL ACCEPTANCE.
- THE IRRIGATION CONTRACTOR SHALL RECORD ALL CHANGES MADE TO THE IRRIGATION SYSTEM DURING INSTALLATION, AND PROVIDE AN AS-BUILT DRAWING TO THE OWNER'S REPRESENTATIVE UPON COMPLETION AND ACCEPTANCE OF THE WORK.
- THE IRRIGATION CONTRACTOR SHALL INSTRUCT THE OWNER OR THE OWNER'S REPRESENTATIVE IN THE COMPLETE OPERATION AND MAINTENANCE OF THE SYSTEM. THE CONTRACTOR SHALL FURNISH TWO COPIES OF AN IRRIGATION SYSTEM MANAGEMENT MANUAL PREPARED BY THE MANUFACTURER AND THE SYSTEM INSTALLER.

## PIPE INSTALLATION + SLEEVE NOTES

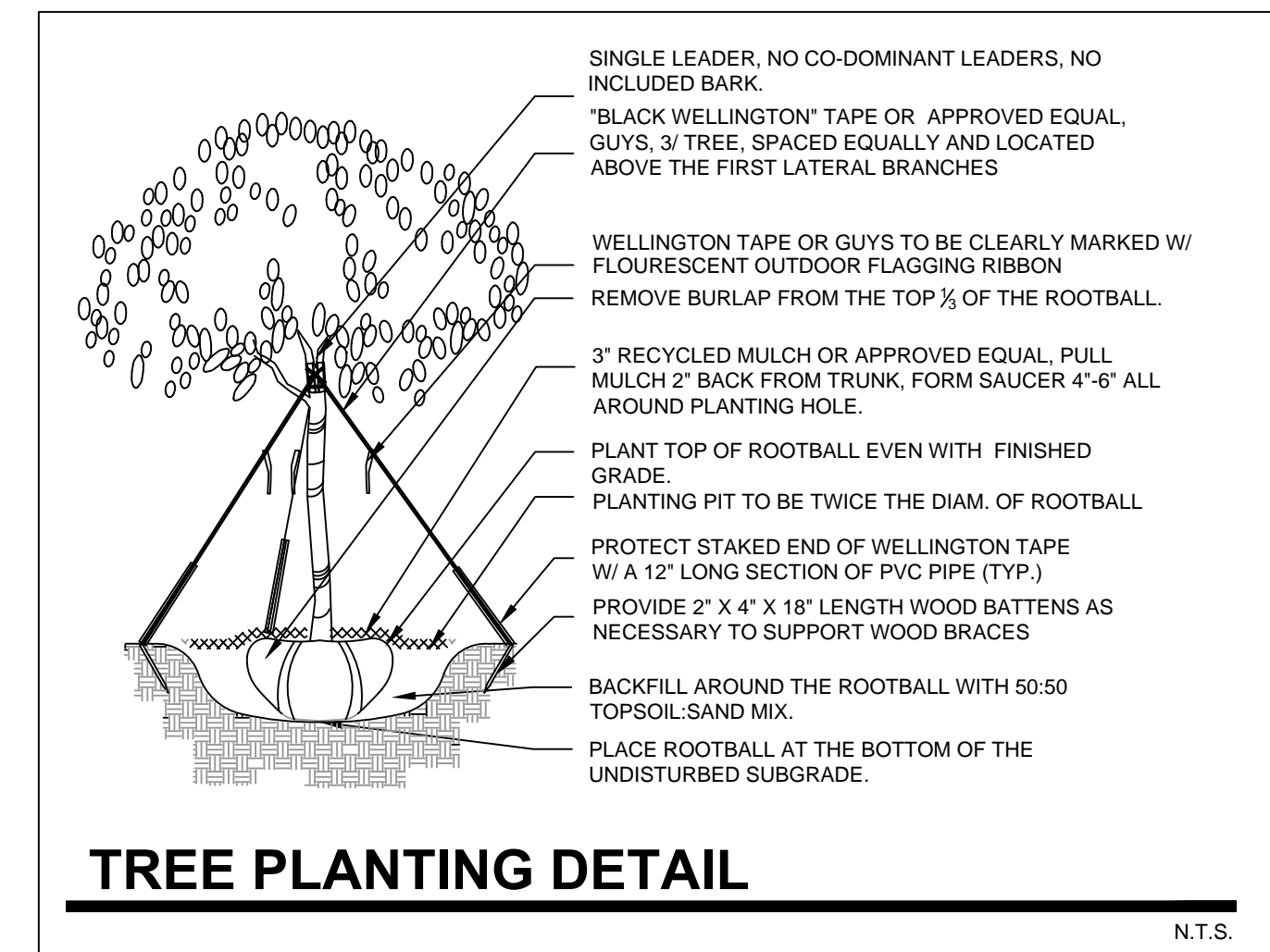
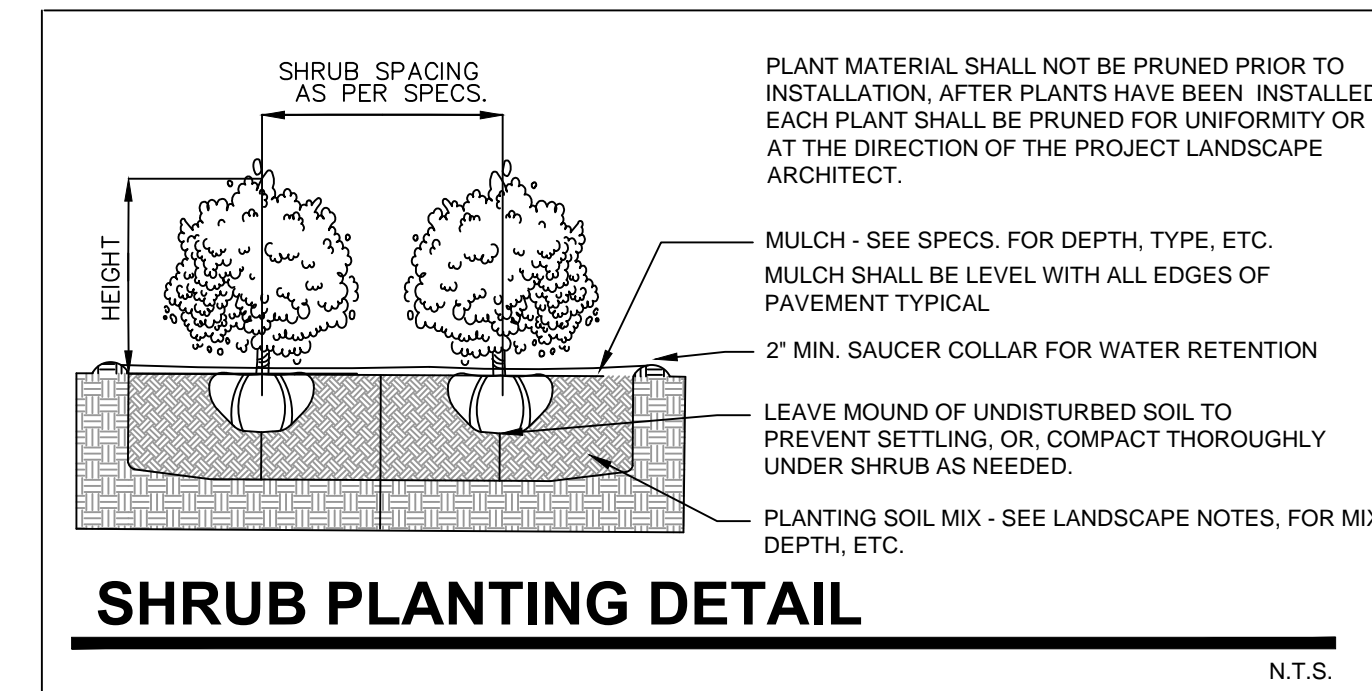
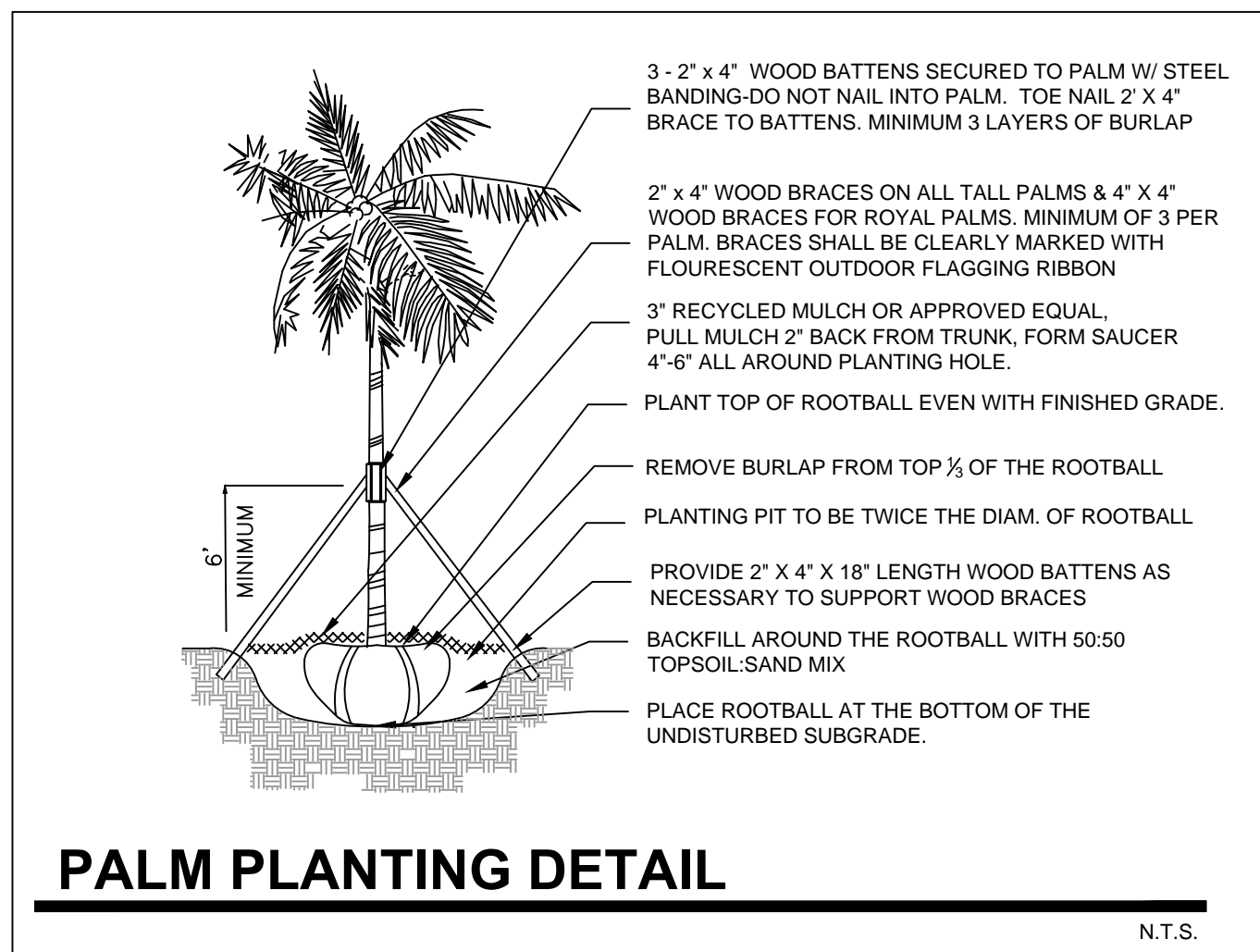
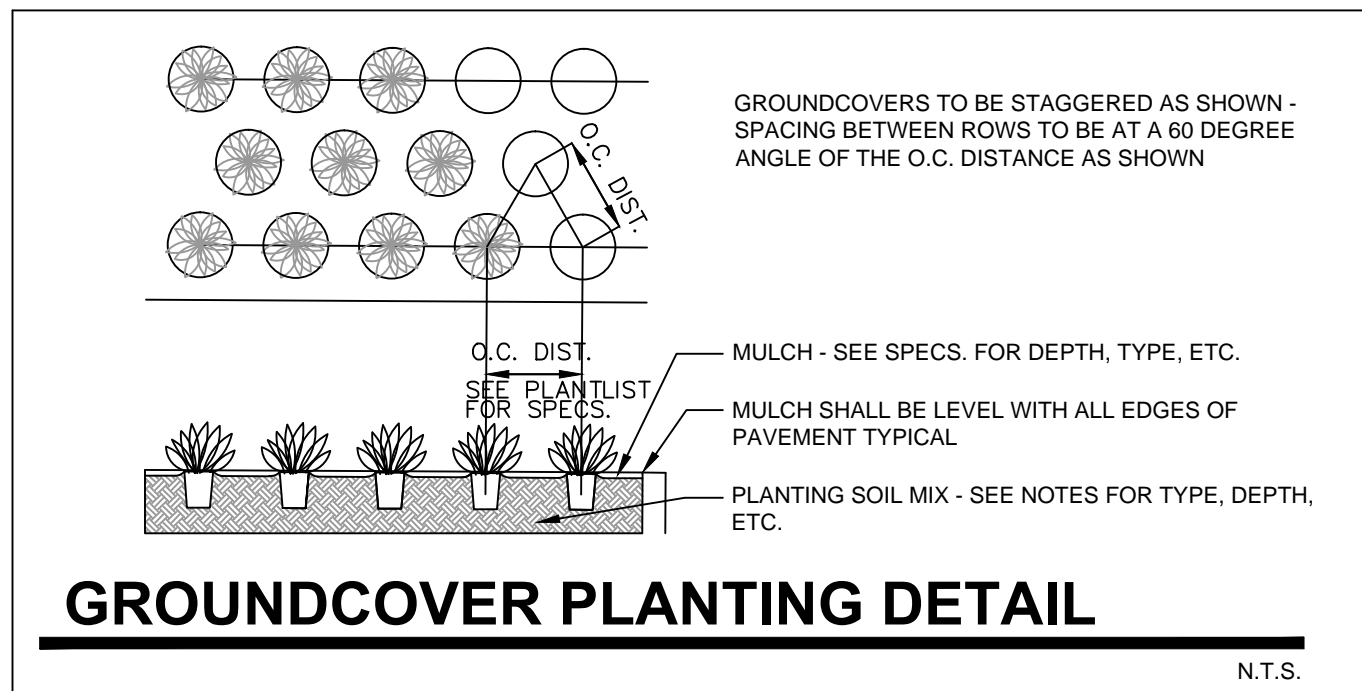
VEHICLE TRAFFIC AREAS		WATER PIPE SIZE		SLEEVE SIZE	
PIPE SIZE (INCHES)	DEPTH OF COVER (INCHES)				
1/2" TO 2 1/2"	18" TO 24"	3/4"	1 1/2"		
3" TO 5"	24" TO 30"	1"	2"		
6" OR GREATER	30 TO 36"	1 1/2"	2 1/2"		
NON-TRAFFIC AND NON-CULTIVATED AREAS		WATER PIPE SIZE		SLEEVE SIZE	
PIPE SIZE (INCHES)	DEPTH OF COVER (INCHES)				
1/2" TO 1 1/4"	6" TO 12"	3"	4"		
1 1/2" TO 2"	12" TO 18"	4"	6"		
2 1/2" TO 3"	18" TO 24"				
4" OR LARGER	24" TO 36"				

### LANDSCAPE DETAILS NOTES

- CONTRACTOR SHALL REMOVE ALL STAKES, POLES, WELLINGTON TAPE AND / OR BRACING MATERIALS FROM ALL PALMS, TREES, AND SHRUBS, WITHIN (1) YEAR OF INSTALLATION. THIS NOTE IS APPLICABLE TO ALL PLANTING DETAILS ON THIS SHEET.
- EXISTING SITE CONDITIONS HAVE BEEN FIELD VERIFIED BY LANDSCAPE ARCHITECT.
- ALL LANDSCAPE AREAS TO BE 100% COVERED BY A FULLY AUTOMATIC IRRIGATION SYSTEM WITH RAIN SENSOR. CONTRACTOR TO PROVIDE SHOP DRAWING OF MODIFIED IRRIGATION SYSTEM TO LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL.
- SHEETS L-1 thru L-3 TO BE UTILIZED FOR LANDSCAPE AND IRRIGATION PURPOSES ONLY. ALL SITE IMPROVEMENTS INCLUDING GRADING AND DRAINAGE TO BE BY OTHERS. REFER TO ARCHITECTURE AND ENGINEERING PLANS FOR ALL ADDITIONAL INFORMATION.

Code Section	Items	Requirements	Provided
Sec. 275-90 (C) - Perimeter Buffer for VIAs	a) Strip of land 5' depth b) 1 tree/40 linear feet c) continuous hedge	Required strip of land 5' depth 842 linear feet/40= 22 required trees Required continuous hedge	PROVIDED 22 TREES PROVIDED PROVIDED
Sec. 275-100 (C) - Intermediate Landscape Peninsulas	2 category 2 or 3 trees or 1 category 1/peninsula	2 peninsulas = 4 category 2 or 3 - or 2 category 1 trees/peninsula	(2) CATEGORY II TREES, (1) CATEGORY I TREE PROVIDED
Sec. 275-100 (D) - Terminal Landscape Peninsulas Sec. 275-110 (D) - Perimeter Buffer from Residential Property	2 category 1 trees/peninsula a) 10' depth landscaped area b) 6' wall 5' from residential zone c) 1 tree/40 linear feet d) 1 shrub/3' residential zone	6 peninsulas = 12 category 1 trees/peninsula Required 10' depth landscaped area Required 6' wall 5' from residential area 427 linear feet/40= 11 required trees 427 linear feet/3= 142 required shrubs	(12) CATEGORY I TREES PROVIDED PROVIDED 11 TREES PROVIDED 160 SHRUBS PROVIDED
Sec. 275-140 - Other non-VIA Open Space	It applies to open spaces in excess of required by Sec. 275-90, and includes all pervious areas and green spaces (except water bodies)	% of Nonvehicular open spaces = 0 % - See specific requirements under Sec. 275-140 (C)	NO OTHER VUA OPEN SPACE PROVIDED
Sec. 825-100 - Tree Replacement	150% of sq.ft. of canopy removed	Total Mitigation Required: 33,764 SF	PROVIDED CANOPY CREDIT: 12,466 REMAINING 21,298 SF WILL BE CONTRIBUTED TO THE DANIA BEACH TREE TRUST FUND

Note that the perimeter buffer for the Residential Property and the perimeter buffer for the VUA coincide in some areas. Therefore, the tree and shrub count may be overlapping in these areas. All additional trees proposed for this project, excluding the trees on the Landscape Peninsulas count towards the canopy credit.



## CITY OF DANIA BEACH STANDARD LANDSCAPE PLAN NOTES

- A PRE-CONSTRUCTION MEETING WITH THE DANIA BEACH CITY ARBORIST IS REQUIRED PRIOR TO LANDSCAPING ACTIVITIES INCLUDING REMOVAL OF TREES AND/OR INSTALLATION OF PLANT MATERIAL. CALL 954-924-0423 A MINIMUM OF 5 DAYS PRIOR TO DESIRED START DATE TO SCHEDULE PRE-CONSTRUCTION MEETING.
- ALL EXISTING TREES PROPOSED TO REMAIN ARE TO BE SEPARATED FROM THE LIMITS OF DISTURBANCE OF THE CONSTRUCTION AREA BY TREE PROTECTION FENCING AND SIGNAGE. THE TREE PROTECTION FENCING SHALL BE LOCATED AT THE EDGE OF THE TREE PROTECTION ZONE AS DEPICTED ON THE PLAN OR AT THE EDGE OF THE DRIVELINE(S) IF A TREE PROTECTION ZONE IS NOT DESIGNATED. NO MATERIAL STORAGE OR CONSTRUCTION ACCESS IS PERMITTED WITHIN THE TREE PROTECTION ZONE.
- ALL EXISTING TREES SHALL BE PRUNED TO ANSI A-300 STANDARDS TO CORRECT POTENTIAL HAZARDS.
- A TREE REMOVAL PERMIT IS REQUIRED PRIOR TO REMOVAL OR RELOCATION OF ANY TREE OR PALM. CONTACT THE DANIA BEACH CITY ARBORIST AT 954-924-6805 TO OBTAIN PERMIT INFORMATION.
- LANDSCAPE CONTRACTOR SHALL NOTIFY SUNSHINE ONE CALL OF FLORIDA, INC. AT 1-800-432-4770 A MINIMUM OF 2 FULL BUSINESS DAYS PRIOR TO DIGGING. LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR AVOIDING DAMAGE TO UTILITIES FROM PLANT INSTALLATION.
- TREE RELOCATIONS:
  - EXISTING TREES TO BE RELOCATED SHALL BE ROOT PRUNED A MINIMUM OF 120 DAYS PRIOR TO RELOCATION
  - MINIMUM ROOT BALL SIZES SHALL BE IN ACCORDANCE WITH ANSI STANDARDS. TRANSPLANTED TREES WITH UNDERSIZED ROOT BALLS MAY BE REJECTED BY THE CITY ARBORIST AND REPLACEMENT TREES MAY BE REQUIRED.
  - A TEMPORARY IRRIGATION SYSTEM SHALL BE PROVIDED DURING AND FOR THE FIRST 40 DAYS AFTER ROOT PRUNING.
- ALL PLANTING MUST FOLLOW PLANTING SPECIFICATIONS AND DETAILS SHOWN ON THE PLAN.
- SUBSTITUTIONS OF PLANT SPECIES OR SPECIFICATIONS MUST BE APPROVED IN WRITING BY THE DANIA BEACH CITY ARBORIST PRIOR TO USE.
- ALL PLANT MATERIAL PLANTED PER THIS LANDSCAPE PLAN SHALL BE FLORIDA GRADE#1 OR BETTER. AS SPECIFIED IN THE CURRENT EDITION OF THE FLORIDA DEPARTMENT OF AGRICULTURE'S GRADES AND STANDARDS FOR NURSERY PLANTS. DAMAGED PLANT MATERIAL SHALL BE REJECTED AND REPLACED PRIOR TO INSTALLATION.
- ALL SIZES SHOWN FOR PLANT MATERIAL ARE TO BE CONSIDERED MINIMUMS.
- WHERE QUANTITIES AND/OR SPECIES DIFFER BETWEEN THE PLANTING PLANS AND PLANT LISTS, THE PLANS SHALL TAKE PRECEDENCE
- ALL NEW PLANT MATERIAL SHALL BE WARRANTED BY THE LANDSCAPE CONTRACTOR FOR A MINIMUM PERIOD OF ONE YEAR. THE WARRANTY PERIOD SHALL BEGIN AFTER ACCEPTANCE OF THE PLANTS BY THE CITY ARBORIST.
- PLANT BEDS TO BE TREATED WITH PRE-EMERGENT HERBICIDE PRIOR TO PLANTING.
- ALL TREE AND PALM STAKING AND SUPPORT SHALL BE REMOVED ONE YEAR AFTER INSTALLATION.
- NO FERTILIZER SHALL BE APPLIED TO NEWLY PLANTED TREES AND PALMS.
- ALL LANDSCAPE MATERIAL SHALL BE THOROUGHLY WATERED AT THE TIME OF PLANTING. NO DRY PLANTING PERMITTED.
- LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TEMPORARY WATER PROVISIONS UNTIL SUCH TIME AS THE IRRIGATION SYSTEM IS OPERATIONAL.
- ALL WIRE GUYS AND/OR FABRIC STRAPS SHALL BE FLAGGED WITH FLORESCENT COLORED TAPE.
- MULCHING:
  - ALL LANDSCAPE AREAS NOT COVERED BY SOD SHALL BE COVERED BY A MINIMUM 3-INCH LAYER OF MULCH.
  - A MULCH RING WITH A MINIMUM RADIUS OF 24 INCHES (48 INCH DIAMETER), IS REQUIRED AROUND ALL NEWLY INSTALLED TREES AND PALMS.
  - CYPRESS MULCH SHALL NOT BE USED.
  - NO MULCH SHALL BE PLACED TOUCHING OR WITHIN SIX INCHES OF THE TRUNK OF A TREE OR PALM.
- ALL NEWLY LANDSCAPED AREAS SHALL BE EXCAVATED DOWN TO A DEPTH OF 24 INCHES BELOW FINAL GRADE AND BACK FILLED WITH CLEAN DEBRIS-FREE SOIL. EXISTING SOIL MAY BE RE-USED FOR BACKFILLING IF DEBRIS IS REMOVED AND ORGANIC CONTENT IS SUFFICIENT OR SOIL IS AUGMENTED WITH TOPSOIL. CONSTRUCTION ACCESS SHALL BE RESTRICTED FROM THE LANDSCAPE AREA AFTER EXCAVATION AND BACKFILL IS COMPLETE.
- ALL LANDSCAPE AREAS SHALL BE FINISH GRADED SUCH THAT THEY ARE A MINIMUM OF 3.5 INCHES BELOW SURROUNDING PAVED SURFACES SO AS NOT TO IMPEDE THE FLOW OF DRAINAGE INTO LANDSCAPED AREAS AND TO ALLOW FOR A 3-INCH MULCH LAYER.

## PLANTLIST - DANIA BEACH MARINA

SYM.	NATIVE	QTY.	COMMON NAME	BOTANICAL NAME	HT. X SPR. & SPECIFICATION
<b>TREES</b>					
CE	YES	19	SILVER BUTTWOOD	Conocarpus erectus 'Sericeus'	14' height, 7' spread, 3" dbh, 5' c.t. min., standard, matched
CR	YES	5	PITCH APPLE	Clusia rosea	45 gallon, 12 height, standard
SM	YES	19	MAHOGANY	Swietenia mahagoni	16' height, 8' spread, 3" dbh, 5' c.t. min., standard, matched
QV	YES	35	LIVE OAK TREE	Quercus virginia	16' height, 8' spread, 3" dbh, 5' c.t. min., standard, matched
<b>PALMS</b>					
CB	YES	9	SABAL PALM	Cabbage palmetto	16' grey wood, matched, straight trunks
<b>SHRUBS + GROUNDCOVERS</b>					
ARG	NO	-	PERENNIAL PEANUT	Arachis glabrata	1 gallon, 8" x 8", full, space to create a consistent groundcover bed
CLG	NO	73	SMALL LEAF CLUSIA	Clusia rosea	7 gallon, 36" height x 36" spread, space 48" o.c.
CHR	YES	120	COCOPLUM RED TIP	Chrysobalanus icaco 'Red Tip'	7 gallon, 36" height x 36" spread, space 36" o.c.
TRD	YES	304	FAKAHATCHEE GRASS	Tripsacum dactyloides	3 gallon, 36" height x 36" spread, full, 36" o.c
<b>SOD, AGGREGATE, &amp; MULCH</b>					
LAWN	ST. AUGUSTINE FLORITAN - OVER 2" TOPSOIL BED, SEE PLANTING SPECS.				
MLC	ORGANIC MULCH TO BE SELECTED, NO DYED OR RED MULCH, FREE FROM WEEDS AND PEST, 3" MIN DEPTH				

C1 - CATEGORY 1 TREE (59) TOTAL PROVIDED.

C2 - CATEGORY 2 TREE (28) TOTAL PROVIDED.

### REV L2 - DRC COMMENTS DATED 07.06.15

- Specimen trees no. 41, 44, 54 and 60 are to be relocated on site, no mitigation is required. (See Sheet L-4)
- Specimen trees no. 41, 44, 54 and 60 are to be relocated on site. (See Sheet L-1)
- All terminal peninsulas have (2) category I trees, including the two terminal islands on the SE and NW corners of the Marina Office. (See Sheet L-1)
- Provided a landscape area of at least 10' in depth with a 6 foot masonry wall and a minimum of 1 tree per every 40 linear foot of the abutted residential property and one shrub per every 3 feet of the abutted residential property. (See Sheet L-3)
- No vegetation is provided within 36" of the fire hydrant or any other connections. (See Sheet L-1)
- As per Sec. 825-100, an additional 50% tree replacement has been calculated into the mitigation requirements. The total mitigation required is 33,764 SF. The trees along the NE 5th Avenue sidewalk are not in conflict with the proposed design and will be preserved and protected during construction. (See Sheet L-1)

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**DANIA BEACH MEGAPORT**  
441 NE 2ND STREET, DANIA BEACH 33004

No.	Date	Description
1	06.04.15	DRC COMMENTS
2	07.06.15	DRC COMMENTS

Professional Seal

CHRISTOPHER CAWLEY, RLA  
Florida License LA 666786

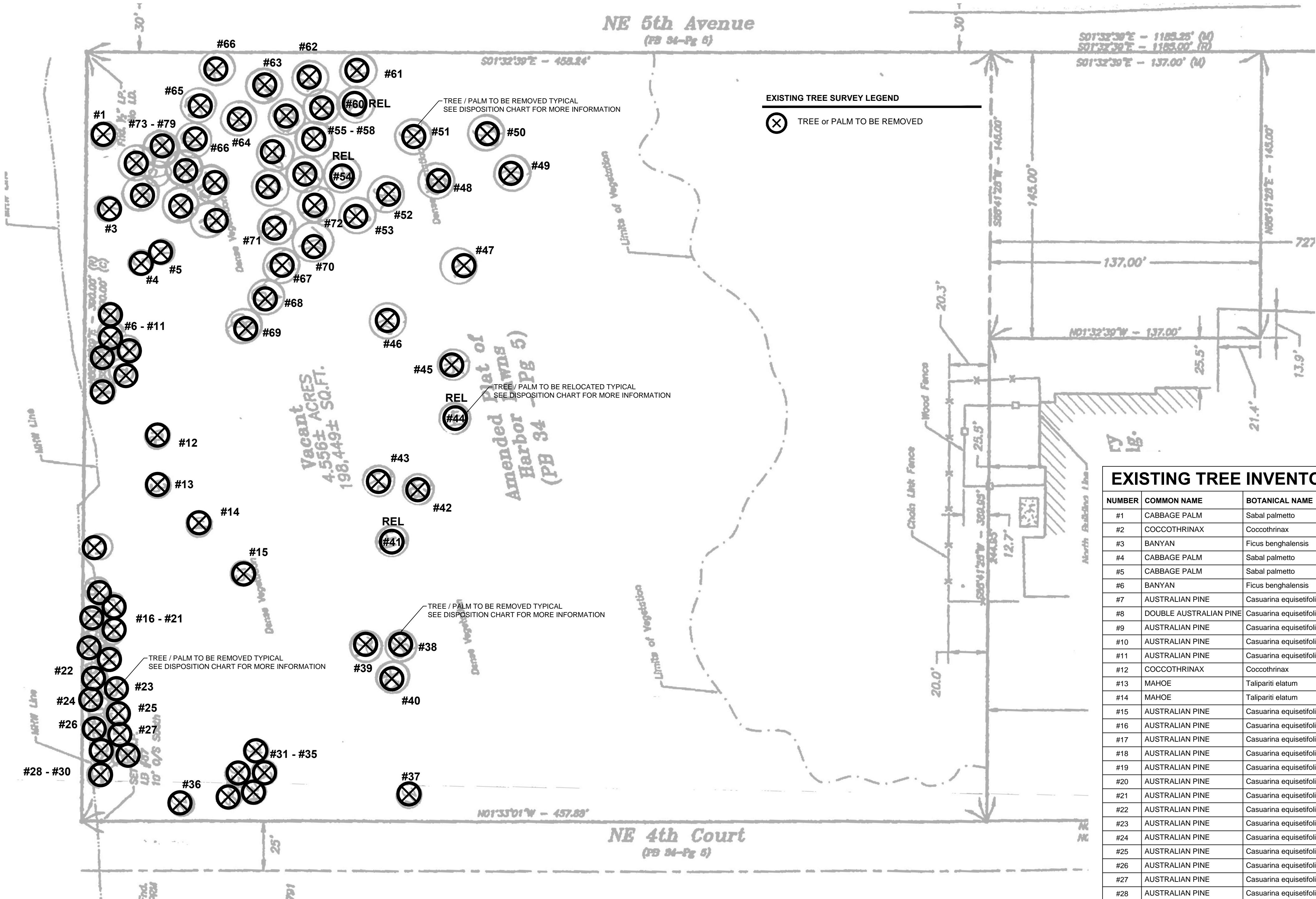
Title: Notes + Details

Scale: As Noted

Date: APRIL 9, 2015

Drawing:

L-3



**REV L2 - DRC COMMENTS DATED 07.06.15**

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**TREE INVENTORY + DISPOSITION PLAN NOTES**

- EXISTING TREE, PALM, AND VEGETATION INFORMATION AS INDICATED HAS BEEN PREPARED AS AN OVERLAY ON THE SURVEY PREPARED BY SCHWEBKE - SHISKIN + ASSOCIATES.
- A WRITTEN TREE REMOVAL PERMIT IS REQUIRED BY THE CITY OF DANIA BEACH PRIOR TO REMOVING ANY TREES OR PALMS AS NOTED IN THESE PLANS.
- EXISTING TREE + PALM INFORMATION HAS BEEN PREPARED BY ISA CERTIFIED ARBORIST, BENJAMIN ESSID DATED SEPTEMBER 5, 2014. CONTACT PHONE NUMBER IS 305.370.8176

**EXISTING TREE INVENTORY & DISPOSITION CHART**

NUMBER	COMMON NAME	BOTANICAL NAME	HT. X SPREAD	D.B.H.	CONDITION	ACTION	CANOPY LOSS	COMMENTS
#1	CABBAGE PALM	Sabal palmetto	13' x 10'	10"	GOOD	REMOVE	79 SF	TO BE REMOVED, SITE CONFLICT
#2	COCCOTHRINAX	Coccothrinax	5' x 7'	7"	GOOD	REMOVE	39 SF	TO BE REMOVED, SITE CONFLICT
#3	BANYAN	Ficus benghalensis	35' x 26'	21"	GOOD	REMOVE	530 SF	TO BE REMOVED, SITE CONFLICT
#4	CABBAGE PALM	Sabal palmetto	6' x 12'	8"	GOOD	REMOVE	113 SF	TO BE REMOVED, SITE CONFLICT
#5	CABBAGE PALM	Sabal palmetto	4' x 6'	5"	GOOD	REMOVE	29 SF	TO BE REMOVED, SITE CONFLICT
#6	BANYAN	Ficus benghalensis	45' x 40'	56"	GOOD	REMOVE	1256 SF	TO BE REMOVED, SITE CONFLICT
#7	AUSTRALIAN PINE	Casuarina equisetifolia	35' x 6'	4"	GOOD	REMOVE	29 SF	TO BE REMOVED, SITE CONFLICT
#8	DOUBLE AUSTRALIAN PINE	Casuarina equisetifolia	30' x 6'	4"	GOOD	REMOVE	29 SF	TO BE REMOVED, SITE CONFLICT
#9	AUSTRALIAN PINE	Casuarina equisetifolia	45' x 12'	9"	GOOD	REMOVE	113 SF	TO BE REMOVED, SITE CONFLICT
#10	AUSTRALIAN PINE	Casuarina equisetifolia	35' x 8'	6"	GOOD	REMOVE	50 SF	TO BE REMOVED, SITE CONFLICT
#11	AUSTRALIAN PINE	Casuarina equisetifolia	35' x 6'	4"	GOOD	REMOVE	28 SF	TO BE REMOVED, SITE CONFLICT
#12	COCCOTHRINAX	Coccothrinax	4' x 5'	10"	OK	REMOVE	20 SF	TO BE REMOVED, SITE CONFLICT
#13	MAHOE	Talipariti elatum	4' x 10'	4"	GOOD	REMOVE	79 SF	TO BE REMOVED, SITE CONFLICT
#14	MAHOE	Talipariti elatum	30' x 8'	14"	GOOD	REMOVE	50 SF	TO BE REMOVED, SITE CONFLICT
#15	AUSTRALIAN PINE	Casuarina equisetifolia	40' x 6'	6"	GOOD	REMOVE	29 SF	TO BE REMOVED, SITE CONFLICT
#16	AUSTRALIAN PINE	Casuarina equisetifolia	55' x 28'	20"	GOOD	REMOVE	616 SF	TO BE REMOVED, SITE CONFLICT
#17	AUSTRALIAN PINE	Casuarina equisetifolia	80' x 50'	30"	GOOD	REMOVE	1964 SF	TO BE REMOVED, SITE CONFLICT
#18	AUSTRALIAN PINE	Casuarina equisetifolia	60' x 45'	9"	GOOD	REMOVE	1590 SF	TO BE REMOVED, SITE CONFLICT
#19	AUSTRALIAN PINE	Casuarina equisetifolia	40' x 6'	6"	GOOD	REMOVE	29 SF	TO BE REMOVED, SITE CONFLICT
#20	AUSTRALIAN PINE	Casuarina equisetifolia	40' x 12'	13"	GOOD	REMOVE	113 SF	TO BE REMOVED, SITE CONFLICT
#21	AUSTRALIAN PINE	Casuarina equisetifolia	40' x 10'	10"	GOOD	REMOVE	79 SF	TO BE REMOVED, SITE CONFLICT
#22	AUSTRALIAN PINE	Casuarina equisetifolia	50' x 8'	13"	GOOD	REMOVE	50 SF	TO BE REMOVED, SITE CONFLICT
#23	AUSTRALIAN PINE	Casuarina equisetifolia	50' x 8'	13"	GOOD	REMOVE	50 SF	TO BE REMOVED, SITE CONFLICT
#24	AUSTRALIAN PINE	Casuarina equisetifolia	25' x 8'	5"	GOOD	REMOVE	50 SF	TO BE REMOVED, SITE CONFLICT
#25	AUSTRALIAN PINE	Casuarina equisetifolia	25' x 8'	9"	GOOD	REMOVE	50 SF	TO BE REMOVED, SITE CONFLICT
#26	AUSTRALIAN PINE	Casuarina equisetifolia	30' x 8'	22"	GOOD	REMOVE	50 SF	TO BE REMOVED, SITE CONFLICT
#27	AUSTRALIAN PINE	Casuarina equisetifolia	80' x 8'	14"	GOOD	REMOVE	50 SF	TO BE REMOVED, SITE CONFLICT
#28	AUSTRALIAN PINE	Casuarina equisetifolia	100' x 8'	37"	GOOD	REMOVE	50 SF	TO BE REMOVED, SITE CONFLICT

**EXISTING TREE INVENTORY & DISPOSITION CHART**

NUMBER	COMMON NAME	BOTANICAL NAME	HT. X SPREAD	D.B.H.	CONDITION	ACTION	CANOPY LOSS	COMMENTS
#29	AUSTRALIAN PINE	Casuarina equisetifolia	65' x 40'	10"	GOOD	REMOVE	1256 SF	TO BE REMOVED, SITE CONFLICT
#30	AUSTRALIAN PINE	Casuarina equisetifolia	80' x 60'	13"	GOOD	REMOVE	2827 SF	TO BE REMOVED, SITE CONFLICT
#31	AUSTRALIAN PINE	Casuarina equisetifolia	75' x 60'	21"	GOOD	REMOVE	2827 SF	TO BE REMOVED, SITE CONFLICT
#32	AUSTRALIAN PINE	Casuarina equisetifolia	N/A	18"	DEAD	REMOVE	N/A	TO BE REMOVED, SITE CONFLICT
#33	AUSTRALIAN PINE	Casuarina equisetifolia	70' x N/A	20"	DEAD	REMOVE	N/A	TO BE REMOVED, SITE CONFLICT
#34	AUSTRALIAN PINE	Casuarina equisetifolia	N/A	24"	DEAD	REMOVE	N/A	TO BE REMOVED, SITE CONFLICT
#35	AUSTRALIAN PINE	Casuarina equisetifolia	45' x 20'	18"	GOOD	REMOVE	314 SF	TO BE REMOVED, SITE CONFLICT
#36	BANYAN	Ficus benghalensis	40' x 35'	26"	GOOD	REMOVE	962 SF	TO BE REMOVED, SITE CONFLICT
#37	ALEXANDER PALM	Pythosperma elegans	88' x 50'	26"	GOOD	REMOVE	1964 SF	TO BE REMOVED, SITE CONFLICT
#38	WASHINGTON PALM	Washingtonia robusta	35' x 15'	22"	GOOD	REMOVE	177 SF	TO BE REMOVED, SITE CONFLICT
#39	WASHINGTON PALM	Washingtonia robusta	35' x 15'	22"	GOOD	REMOVE	177 SF	TO BE REMOVED, SITE CONFLICT
#40	CASSIA	Cinnamomum cassia	35' x 24'	6"	GOOD	REMOVE	452 SF	TO BE REMOVED, SITE CONFLICT
* #41	CHINESE FAN PALM	Livistona chinensis	30' x 12'	18"	GOOD	RELOCATE	0 SF	TO BE REMOVED, SITE CONFLICT
#42	CABBAGE PALM	Sabal palmetto	N/A	24"	DEAD	REMOVE	N/A	TO BE REMOVED, SITE CONFLICT
#43	CABBAGE PALM	Sabal palmetto	N/A	N/A	DEAD	REMOVE	N/A	TO BE REMOVED, SITE CONFLICT
* #44	CABBAGE PALM	Sabal palmetto	45' x 12'	20"	GOOD	RELOCATE	0 SF	TO BE REMOVED, SITE CONFLICT
#45	WASHINGTON PALM	Washingtonia robusta	20' x 6'	22"	GOOD	REMOVE	29 SF	TO BE REMOVED, SITE CONFLICT
#46	ALEXANDER PALM	Pythosperma elegans	25' x 6'	8"	GOOD	REMOVE	29 SF	TO BE REMOVED, SITE CONFLICT
#47	ALEXANDER PALM	Pythosperma elegans	25' x 6'	6"	GOOD	REMOVE	29 SF	TO BE REMOVED, SITE CONFLICT
#48	ALEXANDER PALM	Pythosperma elegans	25' x 6'	6"	GOOD	REMOVE	29 SF	TO BE REMOVED, SITE CONFLICT

**EXISTING TREE INVENTORY & DISPOSITION CHART**

NUMBER	COMMON NAME	BOTANICAL NAME	HT. X SPREAD	D.B.H.	CONDITION	ACTION	CANOPY LOSS	COMMENTS
#49	ALEXANDER PALM	Pythosperma elegans	25' x 6'	6"	GOOD	REMOVE	29 SF	TO BE REMOVED, SITE CONFLICT
#50	ALEXANDER PALM	Pythosperma elegans	25' x 6'	6"	GOOD	REMOVE	29 SF	TO BE REMOVED, SITE CONFLICT
#51	ALEXANDER PALM	Pythosperma elegans	25' x 6'	6"	GOOD	REMOVE	29 SF	TO BE REMOVED, SITE CONFLICT
#52	ALEXANDER PALM	Pythosperma elegans	25' x 6'	6"	GOOD	REMOVE	29 SF	TO BE REMOVED, SITE CONFLICT
#53	ALEXANDER PALM	Pythosperma elegans	25' x 6'	6"	GOOD	REMOVE	29 SF	TO BE REMOVED, SITE CONFLICT
* #54	CABBAGE PALM	Sabal palmetto	50' x 12'	15"	GOOD	RELOCATE	0 SF	TO BE REMOVED, SITE CONFLICT
#55	ALEXANDER PALM	Pythosperma elegans	25' x 6'	8"	GOOD	REMOVE	29 SF	TO BE REMOVED, SITE CONFLICT
#56	ALEXANDER PALM	Pythosperma elegans	25' x 6'	8"	GOOD	REMOVE	29 SF	TO BE REMOVED, SITE CONFLICT
#57	ARECA PALM	Chrysalidocarpus lutescens	25' x 20'	60"	GOOD	REMOVE	314 SF	TO BE REMOVED, SITE CONFLICT
#58	AUSTRALIAN PINE	Casuarina equisetifolia	25' x 6'	4"	GOOD	REMOVE	29 SF	TO BE REMOVED, SITE CONFLICT
#59	AUSTRALIAN PINE	Casuarina equisetifolia	25' x 6'	4"	GOOD	REMOVE	29 SF	TO BE REMOVED, SITE CONFLICT
* #60	CABBAGE PALM	Sabal palmetto	60' x 10'	19"	GOOD	RELOCATE	0 SF	TO BE REMOVED, SITE CONFLICT
#61	BANYAN	Ficus benghalensis	45' x 30'	20"	GOOD	REMOVE	706 SF	TO BE REMOVED, SITE CONFLICT
#62	AUSTRALIAN PINE	Casuarina equisetifolia	70' x 40'	21"	GOOD	REMOVE	1256 SF	TO BE REMOVED, SITE CONFLICT
#63	AUSTRALIAN PINE	Casuarina equisetifolia	70' x 40'	16"	GOOD	REMOVE	1256 SF	TO BE REMOVED, SITE CONFLICT
#64	AUSTRALIAN PINE	Casuarina equisetifolia	70' x 35'	18"	GOOD	REMOVE	962 SF	TO BE REMOVED, SITE CONFLICT
#65	ALEXANDER PALM	Pythosperma elegans	25' x 12'	5"	GOOD	REMOVE	114 SF	TO BE REMOVED, SITE CONFLICT
#66	AUSTRALIAN PINE	Casuarina equisetifolia	60' x 25'	12"	GOOD	REMOVE	491 SF	TO BE REMOVED, SITE CONFLICT
#67	AUSTRALIAN PINE	Casuarina equisetifolia	80' x 25'	18"	GOOD	REMOVE	491 SF	TO BE REMOVED, SITE CONFLICT
#68	AUSTRALIAN PINE	Casuarina equisetifolia	80' x 25'	11"	GOOD	REMOVE	491 SF	TO BE REMOVED, SITE CONFLICT

**EXISTING TREE INVENTORY & DISPOSITION CHART**

NUMBER	COMMON NAME	BOTANICAL NAME	HT. X SPREAD	D.B.H.	CONDITION	ACTION	CANOPY LOSS	COMMENTS
#69	AUSTRALIAN PINE	Casuarina equisetifolia	80' x 25'	16"	GOOD	REMOVE	491 SF	TO BE REMOVED, SITE CONFLICT
#70	AUSTRALIAN PINE	Casuarina equisetifolia	30' x 12'	9"	POOR	REMOVE	114 SF	TO BE REMOVED, SITE CONFLICT
#71	AUSTRALIAN PINE	Casuarina equisetifolia	80' x 19'	14"	POOR AND FALLEN	REMOVE	284 SF	TO BE REMOVED, SITE CONFLICT
#72	ALEXANDER PALM	Pythosperma elegans	25' x 8'	3"	GOOD	REMOVE	51 SF	TO BE REMOVED, SITE CONFLICT
#73	ALEXANDER PALM	Pythosperma elegans	25' x 8'	3"	GOOD	REMOVE	51 SF	TO BE REMOVED, SITE CONFLICT
#74	ALEXANDER PALM	Pythosperma elegans	25' x 8'	3"	GOOD	REMOVE	51 SF	TO BE REMOVED, SITE CONFLICT
#75	ALEXANDER PALM	Pythosperma elegans	25' x 8'	3"	GOOD	REMOVE	51 SF	TO BE REMOVED, SITE CONFLICT
#76	ALEXANDER PALM	Pythosperma elegans	25' x 8'	3"	GOOD	REMOVE	51 SF	TO BE REMOVED, SITE CONFLICT
#77	ALEXANDER PALM	Pythosperma elegans	25' x 8'	3"	GOOD	REMOVE	51 SF	TO BE REMOVED, SITE CONFLICT
#78	ALEXANDER PALM	Pythosperma elegans	10' x 6'	3"	GOOD	REMOVE	29 SF	TO BE REMOVED, SITE CONFLICT
#79	ALEXANDER PALM	Pythosperma elegans	25' x 8'	3"	GOOD	REMOVE	51 SF	TO BE REMOVED, SITE CONFLICT

\* SPECIMEN TREE - TREE VALUE AND CANOPY LOSS IS CALCULATED AS PER THE MOST RECENT VERSION OF THE GUIDE FOR PLANT APPRAISAL

**TREE REMOVAL MITIGATION**

TOTAL CANOPY LOSS: 33,764  
 TOTAL CATEGORY I TREES PROVIDED: 35 TREES or 10,500 SF OF CANOPY CREDIT.  
 TOTAL CATEGORY II TREES PROVIDED: 14 TREES or 2,100 SF OF CANOPY CREDIT.  
 TOTAL CANOPY CREDIT: (10,500 + 2,100 = 12,600)  
 ON SITE MITIGATION FOR THE REMAINING CANOPY LOSS IS NOT FEASIBLE DUE TO THE PROPOSED SITE PLAN. A CONTRIBUTION TO THE CITY OF DANIA BEACH TREE TRUST FUND WILL BE MADE TO MITIGATE FOR THE 21,164 SF OF THE REMAINING CANOPY LOSS : (33,764 - 12,600 = 21,164 SF)

