

KEY	PLANT NAME	SPECIFICATION	QUANTITY
BS12	BURSERIA SIMARUBA GUMBO LIMBO	12" X 6" SPR. 4.5' CT MIN. 2" DBH. B&B NATIVE	11
CD14	COCCOLOBA DIVERSIFOLIA PIGEON PLUM TREE	14"-16" X 6" SPR., B&B 3" DBH. 6' CT. NATIVE	2
CES12	CONOCARPUS ERECTA SERICEUS SILVER BUTTWOOD TREE	12" X 6" SPR. 2" DBH. 4.5' CT MIN. STD. SINGLE TRUNK NATIVE	4
CSG12	CORDIA BOISSIERI WHITE GEIGER TREE	12" X 6" SPR. 4.5' CT. 2" DBH. NATIVE	4
LJ10	LIGUSTRUM JAPONICUM TREE LIGUSTRUM	10" X 6" SPR. B&B MULTI-STEM. MIN., MATCHED 3' C.T.	3
WB	WODYETIA BIFURCATA FOXTAIL PALM	14" OA 4' GW MIN. B&B MATCH HTS. IN ROWS STAGGER HTS. IN GROUPS	9

KEY	PLANT NAME	SPECIFICATION	QUANTITY
CAS3	CRINUM ASIATICUM CRINUM LILLY, QUEEN EMMA PURPLE	36" X 30" O.A. 3 PPP MIN.	7
CES3	CONOCARPUS ERECTUS SERICEUS SILVER BUTTWOOD	24" X 24" SPR. 24" O.C. FULL TO GROUND, NATIVE	54
CHC7	CHAMAEDOREA CATARTARUM, "CAT PALM"	36" OA. X 30" SPR. FULL	4
CIR	CHRYSOBALANUS ICACO COCOPLUM HEDGE	24" HT X 24" SPR. 24" O.C. NATIVE	46
CT4	CORDYLINE TERMINALIS HAWAIIAN TI PLANT RED	30" HT X 24" SPR. 24" O.C.	6
DE3	DURANTA ERECTA GOLDEN MOUND	15" X 12" 3 GAL 18" O.C. NATIVE	45
DV2	DIETES VEGATA WALKING IRIS BLUE BLOOM	12" FULL TO POT SUN/SHADE GROWN	24
FM3	FICUS MICROCARPA "GREEN ISLAND"	3 GAL. 18" X 18" FULL 18"-24" O.C.	48
HIB	HIBISCUS ROSA SINENSIS HIBISCUS HEDGE	24" X 24", 2" O.C. FULL TO DBL. RED	24
HST6	HIBISCUS ROSA SINENSIS TREE STANDARD RED FLOWER	5" HT. X 3" SPR., 3' CT STAKED TRUNK	4
JM3	JASMINE MULTIFLORUM DOWNY JAS.	18" X 18" SPR. 24" O.C.	21
JPW3	JASMINUM GRACILLIUM PINWHEEL JASMINE	24" X 24" 24" O.C.	20
LP7	RHAPIS EXCELSA LADY PALM SHADE GROWN	36" X 24" FULL TO BASE SUN/SHADE GROWN	4
MEV3	MANIHOT ESCULENTA "VARIEGATA" TAPIOCA PLANT	36" X 30" 7 GAL.	4
PSX	PHILODENDRON XANADU "XANADU"	3 GAL. FULL, 18" HT X 18" SPR 24" O.C.	71
SN6	STRELTZIA NICHOLAI WHITE BIRD OF PARADISE	6" HT. 3 HEADS MIN. WITH SUCKERS MIN.	4
SOD	ST. AUGUSTINE FLORITAM	CONTRACTOR TO VERIFY QUANTITY SHADESUN	
TIB3	TIBOUCHINA SEMIDECANDRA PRINCESS FLOWER	24" X 24" WELL FORMED SHRUB, FULL TO GROUND 24"-30" O.C.	41
WF	POLYPODIUM SCOLOPENDRIA WARTY FERN	12" X 12" FULL, 18" O.C.	105

PLANS SHALL TAKE PRECEDENCE OVER PLANT LIST

NOTE: TREES PLANTED IN THE SIGHT TRIANGLES SHALL HAVE A MIN. OF 6 FEET OF CLEAR TRUNK PROPERTY OWNER SHALL KEEP TREES MAINTAINED AT THIS LEVEL

(2) RELOCATED COCONUT PALMS SEE SHEET TD-1

N OCEAN DRIVE N STATE ROAD A-1-A  
TOTAL RIGHT OF WAY WIDTH VARIES (MINIMUM 60 FEET)

(4) RELOCATED ROYAL PALMS SEE SHEET TD-1

DE3 45  
JPW3 3  
PSX 13

BS12 8  
JPW3 5  
TIB3 7

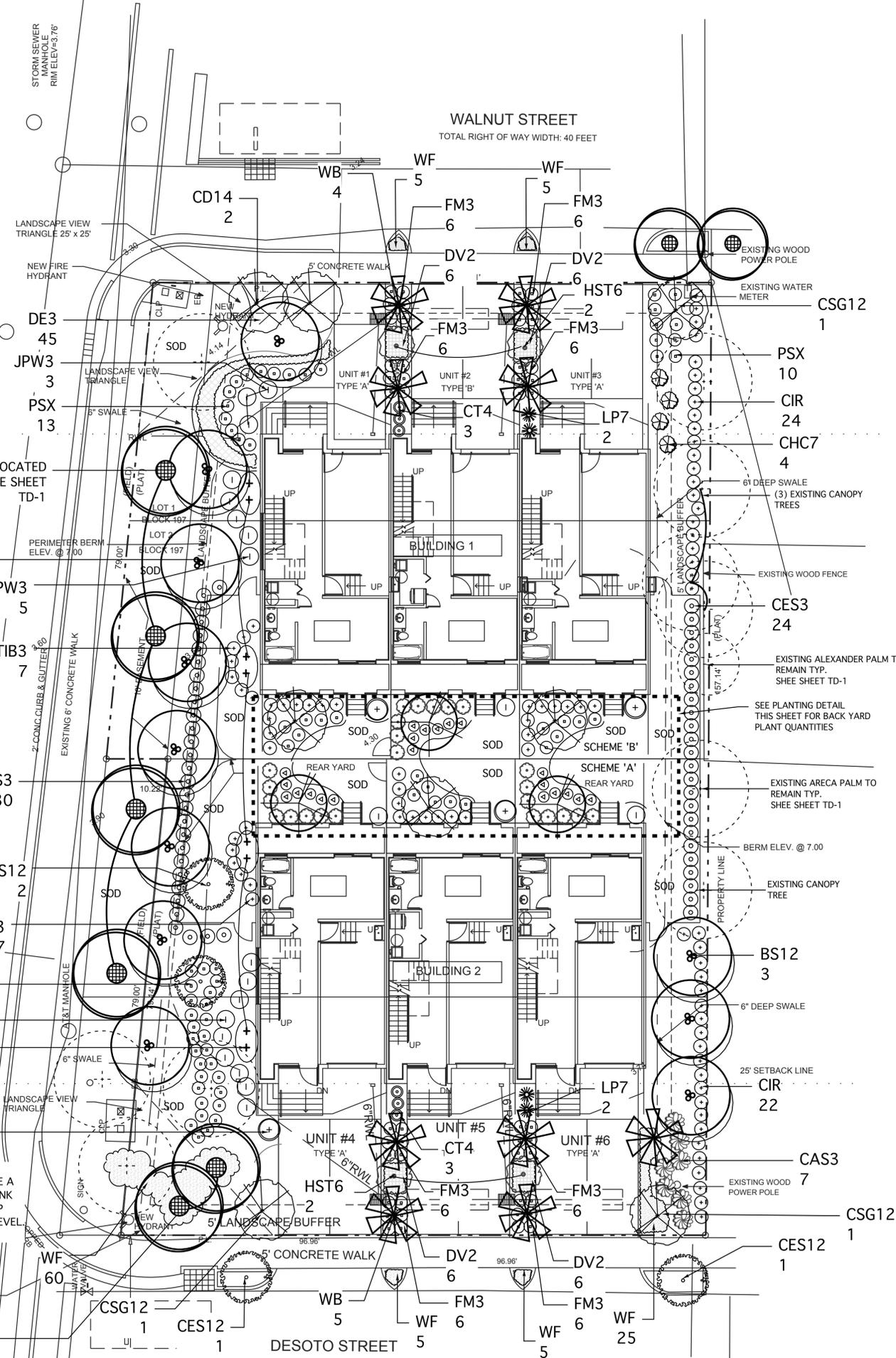
CES3 30  
CES12 2  
TIB3 7

PSX 30  
JPW3 9  
SN6 4

MEV3 1

NEW FIRE HYDRANT

LANDSCAPE VIEW TRIANGLE 25' X 25'



CITY OF HOLLYWOOD  
LANDSCAPE CALCULATIONS  
ZONING: NBDD-DZ (NORTH BEACH DEVELOPMENT DISTRICT)  
TOTAL SITE AREA (PHASE 1): 25,625 SF. 0.58 ACRES  
OPEN SPACE REQUIRED = 5,640 (40%)  
OPEN SPACE PROVIDED = 6,688 SF. (47.4%)  
VUA: 1,846

PERIMETER LANDSCAPE:  
(1) STREET TREE PER 50 LF. OF STREET FRONTAGE  
WALNUT STREET (NORTH)  
93 LF/50 = 2 TREES REQUIRED  
PROVIDED = (1) EXISTING (NO AVAIL SWALE SPACE FOR 2)  
TREE PROVIDED ON INTERIOR OF SITE  
OCEAN DRIVE (WEST)  
158 LF/50 = 3.16 TREES REQUIRED  
PROVIDED = 4 EXISTING ROYAL PALMS  
DE SOTO STREET 97 LF/50 = 2 TREES REQUIRED  
PROVIDED = 2 PROPOSED

BUFFERS: (1) TREE PER 20 LF.  
NORTH BUFFER 49 LF./20 = 2.45 TREES REQUIRED  
PROVIDED = 3 TREES PROPOSED  
WEST BUFFER 158 LF./20 = 8 TREES REQUIRED  
PROVIDED = 7 PROPOSED + 1 EXISTING  
SOUTH BUFFER 45 LF./20 = 2.25 TREES REQUIRED  
PROVIDED = 3 PROPOSED  
EAST BUFFER 157 LF./20 = 7.85 TREES REQUIRED  
PROVIDED = 3 PROPOSED + 5 EXISTING

25% OF VUA AREA SHALL BE LANDSCAPE OPEN SPACE:  
1,846 X 25 = 462  
REQUIRED = 462 SF.  
PROVIDED = 462 SF.

OPEN SPACE:  
OPEN SPACE REQUIRED = 40%  
PROVIDED = (47.4%)  
(1) TREE PER 1,000 SF. OF REQ. PVIOUS LOT AREA  
5,640 SF. /1,000 = 5.64 TREES REQUIRED  
PROVIDED = 6 PROPOSED

TOTAL TREES REQ. ON SITE = 36 + 1 MITIGATION TREE = 37  
EXISTING TREES / PALMS = 10  
PROPOSED TREES / PALMS = 27  
TOTAL TREES PROVIDED = 37  
NATIVE TREES REQUIRED 60% = 23  
PROVIDED = 21 PROPOSED + 7 EXISTING TREES  
NATIVE SHRUBS REQUIRED = 40%  
MIN. 40% PROVIDED

IRRIGATION SYSTEM REQUIREMENT:  
AUTOMATIC IRRIGATION WILL BE PROVIDED AT TIME OF PERMIT TO PROVIDE 100% IRRIGATION COVERAGE

NOTE: REFER TO SHEET TD-1 FOR EXISTING TREE/PALM SPECIFICATIONS. REFER TO SHEET L-3 FOR PLANTING SPECIFICATIONS AND DETAILS.

NOTES:  
1. SOIL ANALYSIS INFORMATION SHALL BE OBTAINED FROM A REPUTABLE SOIL TESTING LAB OR UNIVERSITY OF FLORIDA COOPERATIVE EXTENSION FACILITY THAT INDICATES TEXTURE (PERCENTAGE OF ORGANIC MATTER) PH, TOTAL SOLUBLE SALTS AND ESTIMATED SOIL INFILTRATION RATES.  
2. EXISTING HORTICULTURALLY SUITABLE TOPSOIL SHALL BE STOCKPILED AND RE-SPREAD DURING FINAL GRADING  
3. ANY NEW SOIL REQUIRED SHALL BE SIMILAR TO THE EXISTING SOIL IN PH, TEXTURE, PERMEABILITY AND OTHER CHARACTERISTICS

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REVISIONS:  
DRC. REV. 11-25-09  
DRC. REV. 12-16-09

SHEET TITLE:  
LANDSCAPE  
BLDG. PHASE I  
PLAN

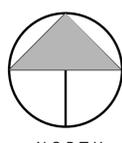
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NORTH BEACH TOWNHOMES  
5811 N. OCEAN DRIVE  
HOLLYWOOD, FL 33019

SCALE: 1"=10'

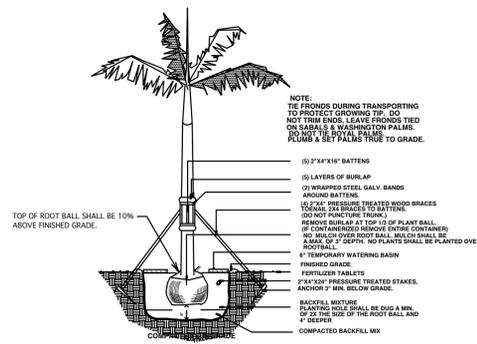
DATE DRAWN: 10-14-09

SHEET NO.  
**L-1**

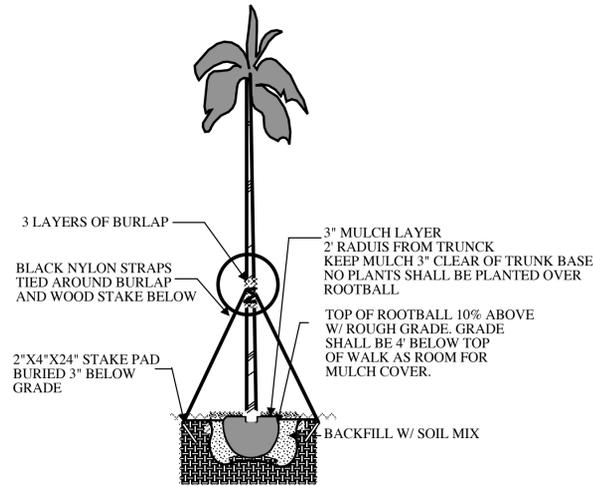
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**PALM PLANTING DETAIL**  
NOT TO SCALE



**SOLITAIR PALM PLANTING DETAIL**  
NOT TO SCALE

**RELOCATION / TRANSPLANTING NOTES**

All relocated trees less than 9" (measured 12" above grade) shall be relocated using a 90" tree spade by an operator experienced and trained in this area. The Landscape Architect will supply a list of local companies capable of this type of work upon request. Contractor is responsible to root prune trees a min. of 6 weeks prior to relocation.

Trees larger than 9" cal. (measured 12" above grade) shall be root pruned by hand by a certified arborist. Live Oaks shall be root pruned a min of 12 weeks in prior to relocation. Landscape Architect's approval and special relocation specifications shall be required if root pruning 12 weeks prior to relocation is not possible. No species of tree shall be moved with less than 6 weeks between root pruning and relocation.

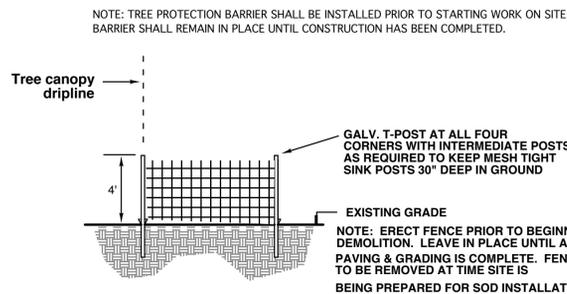
Trees larger than 9" (measured 12" above grade) shall be relocated by means of a crane by a company experienced and trained in this area. The Landscape Architect will supply a list of local companies capable of this type of work upon request.

It is the contractor's responsibility to install 2 temporary irrigation systems to cover each of the trees scheduled to be relocated. This includes the water and power sources. Each shade tree shall have two flood bubblers within a soil berm around the rootball. Each palm shall have one flood bubbler within a soil berm around the rootball.

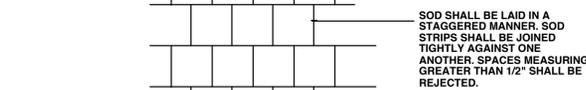
A. One system shall be installed prior to tree relocation. Each tree scheduled to be relocated shall be irrigated immediately following root pruning. Trees not scheduled for root pruning shall be irrigated at the same time and by the same method as root pruned trees.  
 B. A second system irrigating each relocated tree shall be installed immediately following relocation.

Both of these systems will irrigate on a schedule determined by those responsible for the relocation of the trees, and in consideration of tree species and soil type.

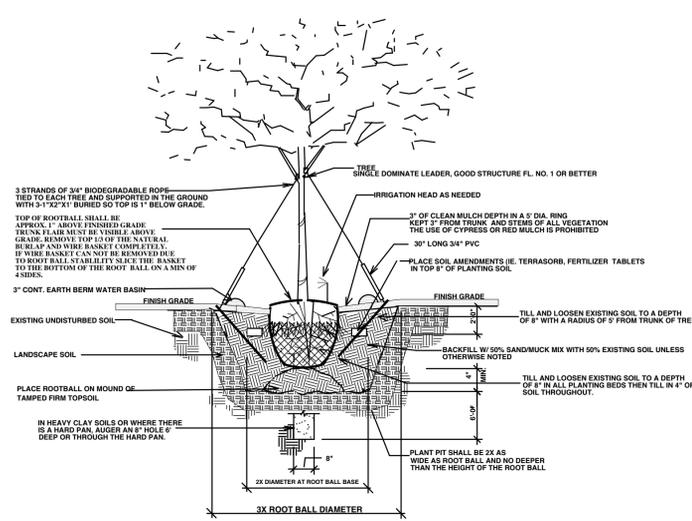
Installation of relocated trees shall also adhere to all details and specifications applicable to nursery stock.



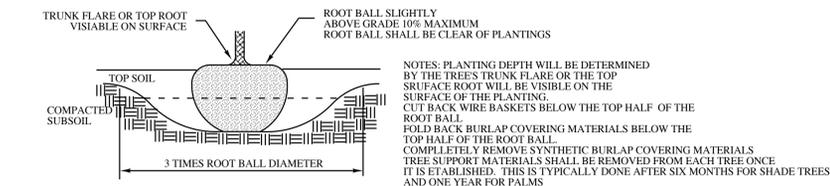
**TREE PROTECTION/TEMPORARY BARRIER DETAIL**  
NOT TO SCALE



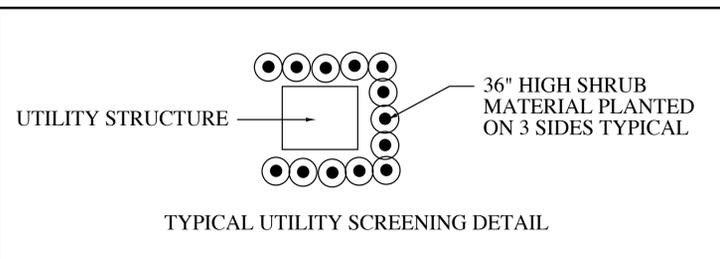
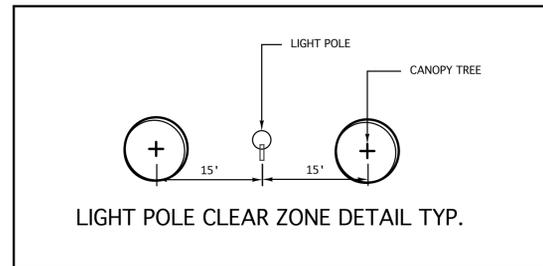
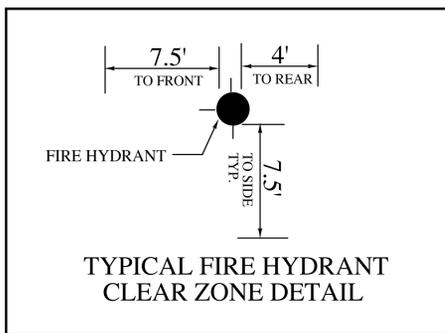
**SOD PLANTING DETAIL**  
NOT TO SCALE



**SINGLE TRUNK GUYING AND PLANTING DETAIL**  
NOT TO SCALE



**ROOT BALL DETAIL**  
NOT TO SCALE



**LANDSCAPE SPECIFICATIONS**

- CONTRACTOR SHOULD MAKE HIS OWN TAKE OFF TO ELIMINATE DISCREPANCIES. IN CASE THEY OCCUR, THE PLAN WILL TAKE PRECEDENCE OVER THE PLANT LIST.
- EXACT LOCATION OF PLANT MATERIAL MAY VARY SLIGHTLY. COORDINATE FIELD LOCATIONS WITH OTHER TRADES PRIOR TO COMMENCEMENT OF WORK
- ALL PLANT MATERIAL FURNISHED BY THE LANDSCAPE CONTRACTOR SHALL BE "FLORIDA #1" OR BETTER AND SHALL BE INSTALLED AS SPECIFIED IN "FLORIDA DEPT. OF AGRICULTURE GRADES AND STANDARDS", CURRENT EDITION RESPECTIVELY.
- ALL PLANTING TO BE DONE ACCORDING TO GOOD NURSERY PRACTICE.
- ALL PLANTING MATERIAL SHALL BE GUARANTEED 365 DAYS (YEAR) FROM TIME OF FINAL INSPECTION & APPROVAL.
- ALL SOD TO BE ST. AUGUSTIN FLORATAM SOD.
- ALL BED AREAS TO RECEIVE A 3" LAYER OF ARSENIC FREE EUCALYPTUS MULCH (FLORIMULCH) & SHALL BE A MIN. OF 1-4" WIDER THAN PLANTS (MEASURED FROM OUTSIDE OF FOLLAGE)
- ALL TREES TO HAVE A 2 1/2" MINIMUM TRUNK DBH. OR UNLESS OTHERWISE SHOWN ON LANDSCAPE LEGEND.
- ALL TREES FIELD GROWN (CONTAINER TREES NOT ACCEPTABLE), UNLESS OTHERWISE SHOWN.
- LANDSCAPER TO FURNISH ALL MATERIAL AND LABOR INCLUDING, PLANTS MULCH, TOP DRESSING, SOIL PREPARATION, DECORATIVE ITEMS (IF SHOWN), INSPECTIONS, TRANSPORTATION, WARRANTY, PERMIT, ETC. NECESSARY FOR COMPLETION OF ALL LANDSCAPING REQUIRED HEREIN EXCEPT IF DESIGNATED TO BE OTHERS.
- LANDSCAPE ARCHITECT SHALL BE NOTIFIED OF ANY CHANGES IN THE MATERIAL OR DESIGN PRIOR TO INSTALLATION OF THE SAME.
- OWNER RESERVES THE RIGHT TO REJECT ANY OR ALL BIDS.
- LANDSCAPER SHALL HAVE A COMPETENT SUPERINTENDENT PRESENT ON THE JOB WHO SHALL BE AUTHORIZED TO REPRESENT THE LANDSCAPER IN HIS ABSENCE.
- PLANTS SHOULD BE TYPICAL FOR THEIR VARIETY AND SPECIES. PLANTS SHALL BE SOUND, HEALTHY VIGOROUS, FREE FROM PLANT DISEASE, INSECT OR THEIR EGGS. THEY SHALL HAVE HEALTHY NORMAL ROOTS AND SHALL NOT BE ROOT BOUND. QUALITY AND SIZE: ALL PLANT MATERIALS SHALL BE NURSERY GROWN UNLESS OTHERWISE NOTED.
- ALL PLANT MATERIAL SHALL BE HANDLED IN A CAREFUL MANNER DURING TRANSPORTATION AND INSTALLATION.
- PLANTS SHALL NOT BE PRUNED OR TOPPED BEFORE DELIVERY.
- OWNER RESERVES THE RIGHT TO APPROVE ALL PLANT MATERIALS.
- LANDSCAPER SHALL REMOVE ALL TRASH AND DEBRIS FROM THE SITE DAILY. THE PREMISES SHALL BE KEPT NEAT AND ORDERLY AT ALL TIMES WHILE WORK IS IN PROGRESS.
- THE LANDSCAPE CONTRACTOR SHALL LAY OUT HIS WORK ACCORDING TO THE PLANS AND SPECIFICATIONS AND WILL BE RESPONSIBLE FOR ALL MEASUREMENTS EXERCISING SPECIAL CARE IN LAYING OUT WORK TO KEEP WITHIN PROPERTY LINES AND RECOGNIZING EASEMENTS AND UTILITIES. THE LANDSCAPE CONTRACTOR WILL BE HELD RESPONSIBLE FOR ANY ERRORS. CONTRACTOR TO NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES IN LAYOUT.
- METHODS OF PROTECTION SHALL BE MAINTAINED AT ALL TIMES, AS REQUIRED TO INSURE ALL PERSONS AND PROPERTY AGAINST INJURY, AND SHALL BE MAINTAINED UNTIL THE COMPLETION OF ALL WORK.
- PLANT MATERIALS ABBREVIATIONS ON THE PLANT LIST: FG (FIELD GROWN); CT (INDICATES CLEAR TRUNK MEASUREMENT FROM THE TOP OF BALL TO FIRST BRANCHING OR BASE OF THE LOWEST FROND); GAL (GALLON CAN); 3 GAL (3 GALLON CAN); OA (INDICATES OVERALL HEIGHT FROM TOP OF BALL TO MID POINT OF CURRENT SEASON'S GROWTH); SPK (INDICATES SPREAD); HVY (INDICATED HEAVY); MIN (INDICATES MINIMUM).
- SUBSTITUTION: PLANT SUBSTITUTION REQUESTS, FOR PLANT MATERIAL NOT OBTAINABLE IN THE TYPE AND SIZE SPECIFIED SHALL BE MADE PRIOR TO SUBMISSION OF BIDS. ALL SUBSTITUTION REQUESTS SHALL BE DIRECTED TO THE LANDSCAPE ARCHITECT AND THE GOVERNING MUNICIPALITY FOR CONSIDERATION AND APPROVAL. IT IS THE LANDSCAPE CONTRACTOR'S OBLIGATION TO KNOW WHERE THEY CAN OBTAIN ALL MATERIAL AT THE TIME OF BIDDING AND AT THE TIME A CONTRACT IS EXECUTED.
- THE CONTRACTOR'S GUARANTEE SHALL NOT APPLY IN THE EVENT OF FIRE, FLOOD, HURRICANE, WINDSTORM, OR OTHER ACTS OF NATURE OR DAMAGES TO LANDSCAPING IN PROGRESS CAUSED BY ANY PERSONS OTHER THAN THOSE PERSONS UNDER THE DOMINION AND CONTROL OF THE CONTRACTOR.
- ALL TREES, PALMS AND OTHER PLANTS SHALL BE PLANTED WITH THE TOP OF THEIR ROOTBALLS 10% ABOVE FINAL GRADE SURROUNDING THE PLANTING AREA. ALL WIRE BASKETS, BURLAP, STRING AND ROPE MUST BE REMOVED. ALL PLANTING PITS SHALL BE A MIN. OF 2X THE ROOTBALL SIZE.
- DELIVERY RECEIPTS FOR TOP SOIL, PLANTING SOIL, & MULCH SHALL BE SUPPLIED TO THE INSPECTOR OR LANDSCAPE ARCHITECT UPON REQUEST

- COMMERCIAL FERTILIZER. COMMERCIAL FERTILIZER SHALL BE AN ORGANIC FERTILIZER CONTAINING NITROGEN, PHOSPHORIC ACID, MINOR TRACE ELEMENTS AND POTASH IN EQUAL PERCENTAGES OF AVAILABLE PLANT FOOD WEIGHT OR "MILORGANTIC" NITROGEN SHALL BE NOT LESS THAN 100% FROM ORGANIC SOURCE. FERTILIZER SHALL BE DELIVERED TO THE SITE UNOPENED IN ORIGINAL CONTAINERS, EACH BEARING THE MANUFACTURE'S GUARANTEED ANALYSIS. INITIAL FERTILIZATION OF TREES SHRUBS, GROUND COVERS, SHALL BE WITH "MILORGANTIC" OR AN APPROVED COMPLETE FERTILIZER. APPLY "MILORGANTIC" IN A CIRCLE AROUND THE PLANT BEFORE MULCHING. DO NOT TOUCH THE PLANT WITH THE FERTILIZER. WATER IN FERTILIZER AFTER MULCHING. APPLY "MILORGANTIC" FERTILIZER AT THE FOLLOWING AT THE RATE:
  - 5 LBS OR 14.5 CUPS / PALMS
  - 3 LBS OR 8.70 CUPS / 12"-16" MATERIAL
  - 1 LBS OR 3.00 CUPS / 8"-12" MATERIAL
  - 0.69 LBS OR 2.00 CUPS / 6"-8" MATERIAL
  - 0.19 LBS OR 1/2 CUP / 3 GAL. MATERIAL
  - 0.10 LBS OR 1/4 CUP / 1 GAL. MATERIAL
 FERTILIZERS SHALL BE SLOW TIME RELEASE, UNIFORM IN COMPOSITION DRY, AND FREE FLOWING AND SHALL MEET THE FOLLOWING REQUIREMENTS:
  - SIX (6) PERCENT NITROGEN, SIX (6) PERCENT PHOSPHORUS, AND SIX (6) PERCENT POTASSIUM FERTILIZER SHALL BE APPLIED TO ALL SHRUBS (1/2 LB PER 3 GAL. CONTAINER, 1/4 LB PER 1 GAL. CONTAINER) AND GROUNDCOVER THE SOD STARTER FERTILIZER MIXTURE SHALL BE A 5-10-10 AT A RATE OF 20 LBS PER 1000 S.F. A 14-14-14 FERTILIZER IS REQUIRED ON ALL TREES AND SHRUBS OVER 5" IN HEIGHT (1/2 LB PER 2' OF SPREAD). AGRIFORM TABLETS WITH TWENTY (20) PERCENT NITROGEN, TEN (10) PERCENT PHOSPHORUS, FIVE (5) PERCENT POTASSIUM IN 21 GRAM SIZES & SHALL BE APPLIED AT THE FOLLOWING RATE: 1 PER GAL. PLANT 2 PER 3 GAL. PLANTS AND 3 TABLETS PER 1" OF TREE TRUNK CALIPER. APPLY PALM SPECIAL FERTILIZER AS PER MANUFACTURER'S RECOMMENDATION.
- SUPER ABSORBENT POLYMER - "TERRA SORB" OR APPROVED EQUAL AS PACKAGED IN 3 OZ. HANDY PAC COMPOSED OF SYNTHETIC POLYMER, POTASSIUM AND ACRYLATE PARTICLES. SIZE OF 1.0 MM TO 3.0 MM AND ABSORPTION RATE OF 300 TIMES ITS WEIGHT IN WATER. APPLY DRY USING THE FOLLOWING AMOUNT:
  - 1 PAC PER TREE - 36" BALL SIZE
  - 2 PAC PER TREE - OVER 36" BALL SIZE
  - 1 PAC PER 20 GAL. CONTAINER
  - 0.5 PACS PER 7-10 GAL. CONTAINER
  - 0.25 PACS PER 3 GAL. CONTAINER
  - 0.12 PACS PER 1 GAL. CONTAINER
- LANDSCAPE CONTRACTOR WILL BE RESPONSIBLE FOR HAVING UTILITIES LOCATED, CARE SHALL BE TAKEN NOT TO DISTURB ANY UNDERGROUND CONSTRUCTION AND UTILITIES. ANY DAMAGE TO THESE FACILITIES DURING THE COURSE OF CONSTRUCTION OPERATIONS WILL BE REPAIRED AT THE EXPENSE OF THE LANDSCAPE CONTRACTOR IN A MANNER APPROVED BY THE OWNER.
- PLANTING SOIL - PLANTING SOIL SHALL BE COMPOSED OF 50% SAND AND 50% MUCK. ANY VARIATIONS IN THIS COMPOSITION SHALL BE APPROVED BY THE OWNER PRIOR TO USE. PLANTING SOIL SHALL BE FREE OF STONE, PLANTS, ROOTS AND OTHER FOREIGN MATERIALS WHICH MIGHT BE HINDRANCE TO PLANTING OPERATIONS OR BE DETRIMENTAL TO GOOD PLANT GROWTH. SOIL SHALL BE DELIVERED IN A LOOSE FRIABLE CONDITION AND APPLIED IN ACCORDANCE WITH THE PLANTING SPECIFICATION.
- WATER FOR PLANTING WILL BE AVAILABLE AT THE SITE AND WILL BE PROVIDED BY THE OWNER
- PRUNING: REMOVE DEAD AND BROKEN BRANCHES FROM ALL PLANT MATERIAL. PRUNE TO RETAIN TYPICAL GROWTH HABIT OF INDIVIDUAL SPECIES, RETAINING AS MUCH HEIGHT AND SPREAD AS POSSIBLE. MAKE ALL PRUNING CUTS WITH A SHARP INSTRUMENT WITH THE TRUNK OR ADJACENT BRANCH, IN SUCH A MANNER AS TO ENSURE ELIMINATION OF STUBS, "HEADBACK" CUTS, RIGHT ANGLE TO LINE OF GROWTH WILL NOT BE PERMITTED AND TREES WILL NOT BE POLED, TOPPED, OR HATRACKED.
- SITE PREPARATION: IT SHALL BE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR TO FINISH (FIN) GRADE ALL LANDSCAPE AREAS TO BE SODDED (PRIOR TO APPLICATION OF SOD) ELIMINATING ALL BUMPS, DEPRESSIONS, STICKES, STONES AND OTHER DEBRIS TO THE SATISFACTION OF THE OWNER.
- MAINTENANCE: MAINTENANCE SHALL BEGIN IMMEDIATELY AFTER EACH PLANT IS PLANTED AND SHALL CONTINUE UNTIL ALL PLANTS PASSED FINAL INSPECTION AND ACCEPTANCE. MAINTENANCE SHALL INCLUDE WATERING, WEEDING, CULTIVATING, REMOVAL OF DEAD MATERIALS, RESETTING PLANTS TO PROPER GRADES OR UPRIGHT POSITION AND RESTORATION OF THE PLANTING SAUCER AND ANY OTHER NECESSARY OPERATION. PROPER PROTECTION TO LAWS AREAS SHALL BE PROVIDED AND ANY DAMAGE RESULTING FROM PLANTING OPERATIONS SHALL BE REPAIRED PROMPTLY. ALL OWNERS OF THE LAND OR THEIR AGENTS SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF THE LANDSCAPE.
- (NOTE: SABAL PALMETTO/CABBAGE PALM SPECIES THE BRANCHES TOGETHER WITH BIO-DEGRADABLE TWINE TO TIGHT BUNDLE AROUND BUD FOR PROTECTION.
- MULCH: MULCH MAY BE USED WITHIN PLANTING BEDS IN CONJUNCTION WITH GROUND COVER. MULCH SHALL BE RENewed AND MAINTAINED AS REQUIRED TO MAINTAIN A THREE-INCH DEPTH AT THE TIME OF FINAL INSPECTION. MULCH AROUND TREE ROOT BALLS NOT PLANTED IN PLANTING AREA SHALL BE THREE INCHES DEEP AT THE PERIMETER OF THE ROOT BALL. SEE FIGURES 1 AND 2 AT THE END OF THE CHAPTER.
- GRASS AREAS WITHIN THE LANDSCAPE EASEMENT NOT USED FOR TREES, SHRUBS, GROUND COVER, MULCH OR OTHER LANDSCAPE ELEMENTS SHALL BE PLANTED WITH SOD. SOD OF ST. AUGUSTINE FLORATAM OR PLETAMTO AND SHALL BE IRRIGATED. SOD SHALL BE WEED/PEST FREE/LAD SMOOTH WITH TIGHT JOINTS AND CUT TO CONFORM TO CURBS AND PLANTERS.
- WHERE THE LANDSCAPE EASEMENT ABUTS ON SITE VEHICULAR USE AREAS SUCH AS TRAFFIC LANES, THE LANDSCAPE EASEMENT SHALL BE SEPARATED FROM THE TRAFFIC LANES BY CONTIGUOUS CONCRETE CURBING WITH AN 18-INCH DEPTH BELOW GRADE. EXTRUDED CURBING INSTALLED ON TOP OF THE PAVING IS PROHIBITED.
- EXCAVATION REQUIREMENT:
  - REQUIRED: ISLANDS SHALL BE EXCAVATED TO 36 INCHES, AND FILLED WITH CLEAN FILL AND PLANTING SOIL AT LEAST TO THE TOP OF THE CURB. MANIPULATION OF THE GRADE BEHIND THE CURBING TO CREATE SMALL SCALE MOUNDING IS ENCOURAGED.
- A LANDSCAPE PERMIT IS REQUIRED FOR ALL LANDSCAPE INSTALLATIONS INCLUDING NEW SINGLE FAMILY HOMES THAT ARE NOT PART OF A PLANNED COMMUNITY. NO TREES OR OTHER PLANT MATERIAL MAY BE PLANTED IN PUBLIC RIGHTS-OF-WAY (SWALE AREAS) WITHOUT PERMIT FROM THE CITY. NO SHRUB SPECIES WITH A MATURE HEIGHT THAT WILL BLOCK THE CLEAR SIGHT ZONE FROM 30 INCHES IN HEIGHT TO SIX FEET IN EIGHT WILL BE APPROVED IN SWALE AREAS.
- TOPSOIL SHALL BE CLEAN AND FREE OF CONSTRUCTION DEBRIS, WEEDS, ROCKS, NOXIOUS PESTS AND DISEASES, AND EXHIBIT A PH OF 6.5 TO 7.0. THE TOPSOIL FOR PLANTING AREAS SHALL BE AMENDED WITH HORTICULTURALLY ACCEPTABLE ORGANIC MATERIAL. ALL SOIL USED SHALL BE SUITABLE FOR THE INTENDED PLANT MATERIAL. THE SOURCE OF THE TOPSOIL SHALL BE KNOWN TO THE APPLICANT AND SHALL BE ACCEPTABLE TO THE CITY.
  - MINIMUM SOIL DEPTH
  - REQUIRED: THE MINIMUM PLANTING SOIL DEPTH SHALL BE SIX INCHES FOR GROUND COVERS, FLOWERS, SHRUBS AND HEDGES.
  - ROOTBALL SOIL
  - REQUIRED: TREES SHALL RECEIVE 12 INCHES OF PLANTING SOIL AROUND THE ROOT BALL.
  - NATIVE SOIL
  - REQUIRED: NATIVE TOPSOIL ON THE SITE SHALL BE RETAINED ON-SITE AND USED WHEN THERE IS SUFFICIENT QUANTITY TO COVER AT LEAST SOME OF THE ON-SITE LANDSCAPED AREAS.
  - ARID PLANS
  - REQUIRED: CLEAN SAND SHALL BE USED TO BACKFILL ARID CLIMATE PALMS.

- USE OF ORGANIC MULCHES: A TREE-INCH MINIMUM THICKNESS OF APPROVED ORGANIC ARSENIC FREE MULCH MATERIAL AT THE TIME OF FINAL INSPECTION, SHALL BE INSTALLED IN ALL LANDSCAPE AREAS NOT COVERED BY BUILDING, PAVEMENT, SOD, DECORATIVE STONES, PRESERVED AREAS AND ANNUAL FLOWER BEDS. EACH TREE SHALL HAVE A RING OF ORGANIC MULCH AT THE PERIMETER OF THE ROOT BALL.
- ALL SHADE TREES INSTALLED WITHIN SIX FEET OF PUBLIC INFRASTRUCTURE SHALL UTILIZE A ROOT BARRIER SYSTEM AS APPROVED BY THE CITY.
- THE ERADICATION OF NUISANCE VEGETATION (EXOTICS) EXISTING ON SITE REQUIRED ON ALL SITES INCLUDING ABUTTING RIGHTS-OF-WAY. PRIOR TO THE ISSUANCE OF CERTIFICATE OF OCCUPANCY PRIVATELY OWNED NATURAL AREAS SHALL BE INCLUDED IN THIS REQUIREMENT. FICUS BENJAMINA AND FICUS MITHA MAY BE REUSED FOR HEDGE MATERIAL WITH A FIVE FOOT SEPARATION FROM WATER LINES. FICUS HEDGES MAY NOT BE PLANTED IN UTILITY EASEMENTS.
- HEDGES: WHERE REQUIRED SHALL BE PLANTED SO AS TO BE TIP TO TIP AT TIME OF PLANTING AND MAINTAINED SO AS TO FORM A CONTINUOUS VISUAL SCREEN. SHRUBS USED AS HEDGES SHALL BE FLORIDA DEPARTMENT OF AGRICULTURE GRADE No. 1 OR BETTER WITH A MINIMUM HEIGHT OF 24 INCHES AND MINIMUM SPREAD OF 24 INCHES. WHEN MEASURED IMMEDIATELY AFTER PLANTING AND SHALL BE MINIMUM OF THREE FEET IN HEIGHT WITHIN TWO YEARS FROM THE DATE OF PLANTING. HEDGES SHALL BE PLANTED WITH BRANCHES TOUCHING, WITHIN SIX MONTHS OF PLANTING SO AS TO CREATE A SOLID SCREEN WITH NO VISUAL SPACES BETWEEN PLANTS AT THIS TIME. PLANTS SPACING MAY BE ADJUSTED ACCORDING TO PLANT SIZES SO LONG AS THE PRECEDING IS ACHIEVED.
- ALL ABOVE GROUND ELEMENTS INCLUDING BUT NOT LIMITED TO DUMPSTERS, FENCES, WALLS, A.C. UNITS, IRRIGATION PUMPS, TRANSFORMERS AND GENERATORS SHALL BE SCREENED WITH LANDSCAPE MATERIAL TO THE HEIGHT OF THE ELEMENT.
- AN AUTOMATIC IRRIGATION SYSTEM SHALL BE INSTALLED TO PROVIDE RUST FREE 100% COVERAGE & 100% OVERLAP. CONTRACTOR SHALL ENSURE THERE IS NO OVERSPRAY ONTO IMPERVIOUS AREAS.

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 F: 954-337-0817

**REVISIONS:**

DRC REV. 11-25-09
DRC REV. 12-16-09

**SHEET TITLE:**  
**LANDSCAPE DETAILS & SPECIFICATIONS**

**NORTH BEACH TOWNHOMES**  
 5811 N. OCEAN DRIVE  
 HOLLYWOOD, FL 33019

**PROJECT:**

**SEAL:**

**SCALE:**

**DATE DRAWN:** 10-14-09

**SHEET NO.**

**L-3**

EXISTING TREE INVENTORY

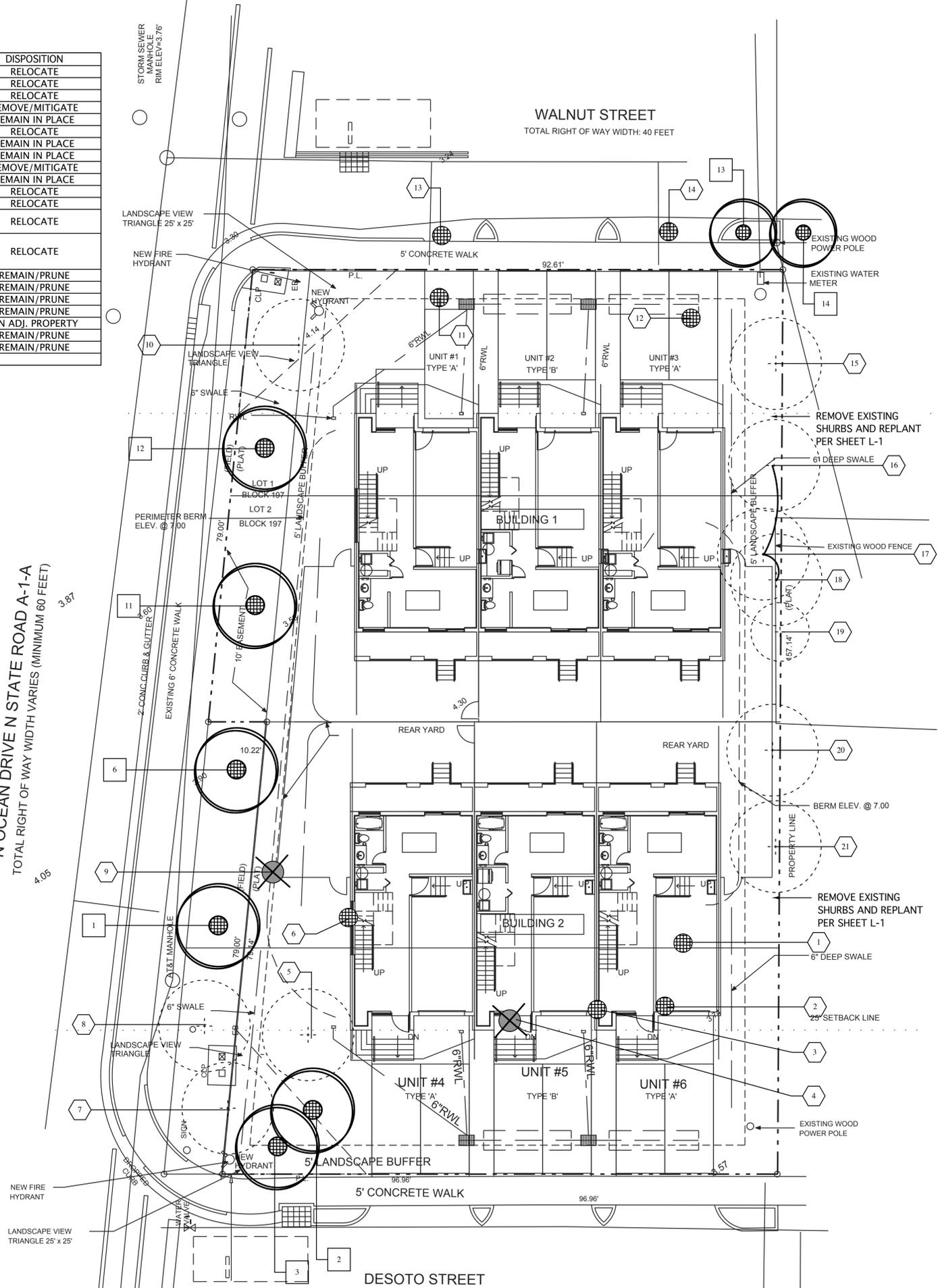
TREE NO. AND NAME	SIZE (HT. X SPR. CAL.)	CONDITION	DISPOSITION
NO. 1 ROYAL PALM	35' OA. 18" CAL.	GOOD	RELOCATE
NO. 2 COCONUT PALM	35' OA. 12" CAL.	GOOD	RELOCATE
NO. 3 COCONUT PALM	30' OA. 12" CAL.	GOOD	RELOCATE
NO. 4 LIVE OAK	10'X5' 3" CAL.	POOR	REMOVE/MITIGATE
NO. 5 COCONUT PALM	30' OA. 12" CAL.	GOOD	REMAIN IN PLACE
NO. 6 ROYAL PALM	25' OA. 16" CAL.	GOOD	RELOCATE
NO. 7 COCONUT PALM	25' OA. 12" CAL.	GOOD	REMAIN IN PLACE
NO. 8 COCONUT PALM	25' OA. 12" CAL.	GOOD	REMAIN IN PLACE
NO. 9 LIVE OAK	8'X4' 2.5" CAL.	POOR	REMOVE/MITIGATE
NO. 10 LIVE OAK	8'X4' 5" CAL.	FAIR	REMAIN IN PLACE
NO. 11 ROYAL PALM	25' OA. 18" CAL.	GOOD	RELOCATE
NO. 12 ROYAL PALM	30' OA. 18" CAL.	GOOD	RELOCATE
NO. 13 SILVER BUTTWOOD	10' X 6' 2" CAL.	GOOD	RELOCATE
NO. 14 SILVER BUTTWOOD	10' X 6' 2" CAL.	GOOD	RELOCATE
NO. 15 LIVE OAK	18'X10' 6" CAL.	GOOD	REMAIN/PRUNE
NO. 16 LIVE OAK	20'X10' 6" CAL.	GOOD	REMAIN/PRUNE
NO. 17 PINK TABABUIA	12'X 10' 2" CAL.	GOOD	REMAIN/PRUNE
NO. 18 LIVE OAK	10'X8' 2" CAL.	GOOD	REMAIN/PRUNE
NO. 19 ALEXANDER PALM	30' OA.	FAIR	ON ADJ. PROPERTY
NO. 20 ARECA PALM	30'X20' CLUMP	GOOD	REMAIN/PRUNE
NO. 21 LIVE OAK	20'X10' 5" CAL.	GOOD	REMAIN/PRUNE

NOTE: ALL TREES TO BE REMOVED AND OR RELOCATED SHALL REQUIRE THE APPROVAL OF A TREE REMOVAL PERMIT AND FOLLOW ALL REGULATIONS BY THE CITY OF HOLLYWOOD

TREES TO BE REMOVED DUE TO POOR STRUCTURE:  
 TREE NO 4 LIVE OAK = 25 SF  
 TREE NO 9 LIVE OAK = 16 SF  
 TOTAL CANOPY REMOVED = 41 SF.  
 REPLACEMENT TREES = (1 CAT. 1 12' HT. 2" DBH. NATIVE)  
 SEE SHEET L-1 DATA SHEET

11-25-09

N OCEAN DRIVE N STATE ROAD A-1-A  
 TOTAL RIGHT OF WAY WIDTH VARIES (MINIMUM 60 FEET)  
 3.87  
 4.05



**SYMBOL KEY**

- EXISTING TREE/PALM TO RELOCATE ON SITE
- EXISTING TREE/PALM TO REMAIN IN PLACE  
ALL TREES TO REMAIN SHALL BE PRUNED TO REMOVE ALL CROSSING BRANCHES, WATER SPROUTS, DEAD WOOD, AND LOW HANGING BRACHES. PRUNING SHALL BE IN ACCORDANCE WITH ANSI-300 STANDARDS PERFORMED UNDER THE SUPERVISION OF A CERTIFIED ARBORIST.
- RELOCATED SITE FOR EXISTING TREE/PALM
- EXISTING TREE TO BE REMOVED AND MITIGATED
- INDICATES EXISTING TREE NUMBER
- INDICATES RELOCATED TREE NUMBER

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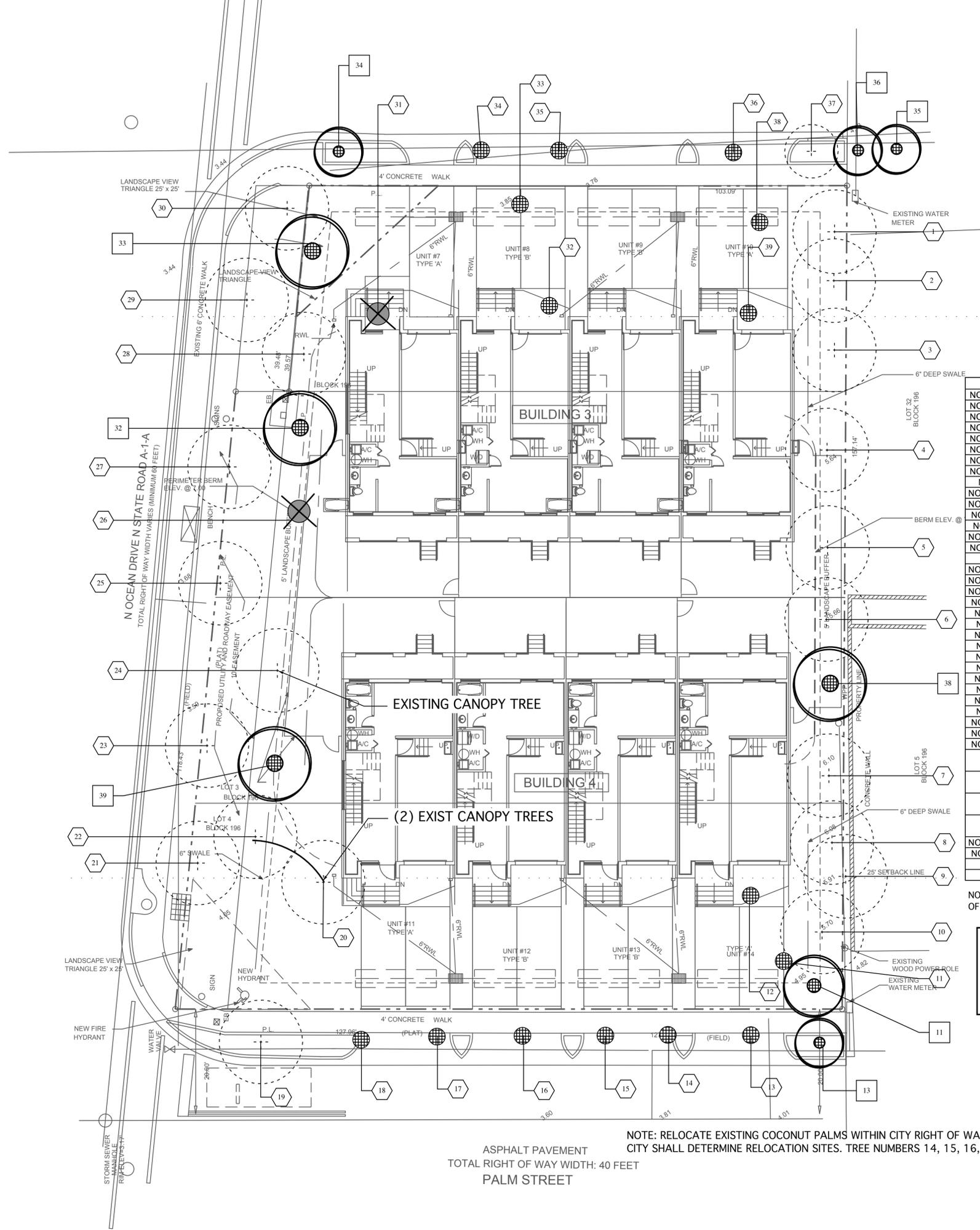
REVISIONS:  
 DRC. REV. 11-25-09  
 DRC. REV. 12-16-09

SHEET TITLE:  
**TREE DISPOSITION  
 BLDG. PHASE I  
 PLAN**

PROJECT:  
**NORTH BEACH TOWNHOMES**  
 5811 N. OCEAN DRIVE  
 HOLLYWOOD, FL 33019

SCALE: 1"=10'  
 DATE DRAWN: 10-14-09  
 SHEET NO.

**TD-1**



**SYMBOL KEY**

- EXISTING TREE/PALM TO RELOCATE ON SITE
- EXISTING TREE/PALM TO REMAIN IN PLACE  
ALL TREES TO REMAIN SHALL BE PRUNED TO REMOVE ALL CROSSING BRANCHES, WATER SPROUTS, DEAD WOOD, AND LOW HANGING BRACHES. PRUNING SHALL BE IN ACCORDANCE WITH ANSI-300 STANDARDS PERFORMED UNDER THE SUPERVISION OF A CERTIFIED ARBORIST.
- RELOCATED SITE FOR EXISTING TREE/PALM
- EXISTING TREE TO BE REMOVED AND MITIGATED
- INDICATES EXISTING TREE NUMBER
- INDICATES RELOCATED TREE NUMBER

**EXISTING TREE INVENTORY**

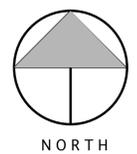
TREE NO.	NAME	SIZE (HT.XSPR. CAL.)	CONDITION	DISPOSITION
NO. 1	COCONUT PALM	30' OA. 12" CAL.	GOOD	REMAIN IN PLACE
NO. 2	COCONUT PALM	30' OA. 12" CAL.	GOOD	REMAIN IN PLACE
NO. 3	COCONUT PALM	30' OA. 12" CAL.	GOOD	REMAIN IN PLACE
NO. 4	COCONUT PALM	30' OA. 12" CAL.	GOOD	REMAIN IN PLACE
NO. 5	COCONUT PALM	30' OA. 12" CAL.	GOOD	REMAIN IN PLACE
NO. 6	COCONUT PALM	30' OA. 12" CAL.	GOOD	REMAIN IN PLACE
NO. 7	COCONUT PALM	30' OA. 12" CAL.	GOOD	REMAIN IN PLACE
NO. 8	COCONUT PALM	30' OA. 12" CAL.	GOOD	REMAIN IN PLACE
NO. 9	SABAL PALM	12' OA. 18" CAL.	GOOD	REMAIN IN PLACE
NO.10	COCONUT PALM	30' OA. 12" CAL.	GOOD	REMAIN IN PLACE
NO.11	COCONUT PALM	30' OA. 12" CAL.	GOOD	REMAIN IN PLACE
NO. 12	GUMBO LIMBO	20'X15' 16" CAL.	GOOD	RELOCATE
NO. 13	PIGEON PLUM	8'X4' 2" CAL.	GOOD	RELOCATE
NO.14	COCONUT PALM	25' OA. 12" CAL.	GOOD	RELOCATE
NO.15	COCONUT PALM	25' OA. 12" CAL.	GOOD	RELOCATE
NO.16	LIVE OAK	20'X10' 6" CAL.	GOOD	RELOCATE
NO.17	COCONUT PALM	20' OA. 12" CAL.	GOOD	RELOCATE
NO.18	COCONUT PALM	20' 12" CAL.	GOOD	RELOCATE
NO.19	COCONUT PALM	18' OA. 12" CAL.	GOOD	RELOCATE
NO. 20	GUMBO LIMBO	16'X12' 6" CAL.	GOOD	REMAIN
NO. 21	ROYAL PALM	30' OA. 18" CAL.	GOOD	REMAIN
NO. 22	MAHOGANY	12'X10' 4" CAL.	FAIR	REMAIN/PRUNE
NO. 23	ROYAL PALM	35' OA. 18" CAL.	GOOD	REMAIN
NO. 24	MAHOGANY	10'X10' 3" CAL.	FAIR	REMAIN/PRUNE
NO. 25	ROYAL PALM	35' OA. 18" CAL.	GOOD	REMAIN
NO. 26	MAHOGANY	8'X8' 9" CAL.	POOR	REMOVE/MITIGATE
NO. 27	ROYAL PALM	35' OA. 18" CAL.	GOOD	REMAIN
NO. 28	MAHOGANY	12'X18' 9" CAL.	FAIR	REMAIN
NO. 29	ROYAL PALM	35' OA. 18" CAL.	GOOD	REMAIN
NO. 30	MAHOGANY	12'X12' 10" CAL.	FAIR	REMAIN
NO. 31	GUMBO LIMBO	6' X4' 5" CAL.	POOR	REMOVE/MITIGATE
NO. 32	GUMBO LIMBO	10'X12' 8" CAL.	GOOD	RELOCATE
NO. 33	GUMBO LIMBO	10'X6' 6" CAL.	GOOD	RELOCATE
NO. 34	SILVER BUTTWOOD	10'X5' 1" CAL.	GOOD	RELOCATE
NO. 35	SILVER BUTTWOOD	10'X5' 1" CAL.	GOOD	RELOCATE
NO. 36	SILVER BUTTWOOD	10'X5' 1" CAL.	GOOD	RELOCATE
NO. 37	SILVER BUTTWOOD	10'X5' 1" CAL.	GOOD	REMAIN
NO.38	COCONUT PALM	30' OA. 12" CAL.	GOOD	RELOCATE
NO. 39	GUMBO LIMBO	18'X15' 10" CAL.	GOOD	RELOCATE

NOTE: ALL TREES TO BE REMOVED AND OR RELOCATED SHALL REQUIRE THE APPROVAL OF A TREE REMOVAL PERMIT

TREES TO BE REMOVED DUE TO POOR STRUCTURE:  
 TREE NO 26 MAHOGANY = 64 SF  
 TREE NO 31 GUMBO LIMBO = 16 SF  
 TOTAL CANOPY REMOVED = 80 SF.  
 REPLACEMENT TREES = (1 CAT. 1 12' HT. 2" DBH. NATIVE)  
 SEE SHEET L-2 DATA SHEET

NOTE: RELOCATE EXISTING COCONUT PALMS WITHIN CITY RIGHT OF WAY CITY SHALL DETERMINE RELOCATION SITES. TREE NUMBERS 14, 15, 16, 17, 18

ASPHALT PAVEMENT  
 TOTAL RIGHT OF WAY WIDTH: 40 FEET  
 PALM STREET



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REVISIONS:  
 DRC. REV. 11-25-09  
 DRC. REV. 12-16-09

SHEET TITLE:  
**TREE DISPOSITION  
 BLDG. PHASE II  
 PLAN**

PROJECT:  
**NORTH BEACH TOWNHOMES**  
 5811 N. OCEAN DRIVE  
 HOLLYWOOD, FL 33019

SEAL:

SCALE: 1"=10'

DATE DRAWN: 10-14-09

SHEET NO.

**TD-2**