

MIAMI BEACH DESIGN REVIEW BOARD SUBMITTAL
NEW RESIDENCE | 503 EAST DILIDO | MIAMI BEACH, FLORIDA

PROPERTY INFORMATION

PROPERTY ADDRESS
503 EAST DILIDO DRIVE
MIAMI BEACH, FL 33139

EXISTING VEGETATION SUMMARY

The existing vegetation located on the property is composed primarily of palms, shrubs and groundcovers. There are no existing trees located in this property. The Landscape Architect intends to keep all palms unless they are in direct conflict with the newly proposed architecture. There are (3) royal palms and (2) Christmas palms located in the ROW to remain. In addition, permits will be required for the removal of (2) Christmas palms in the ROW and for the relocation of (2) royal palms and white bird cluster. Mitigation and permits will be provided as per the C.M.B. Tree Preservation and Protection Ordinance.

SCOPE OF WORK

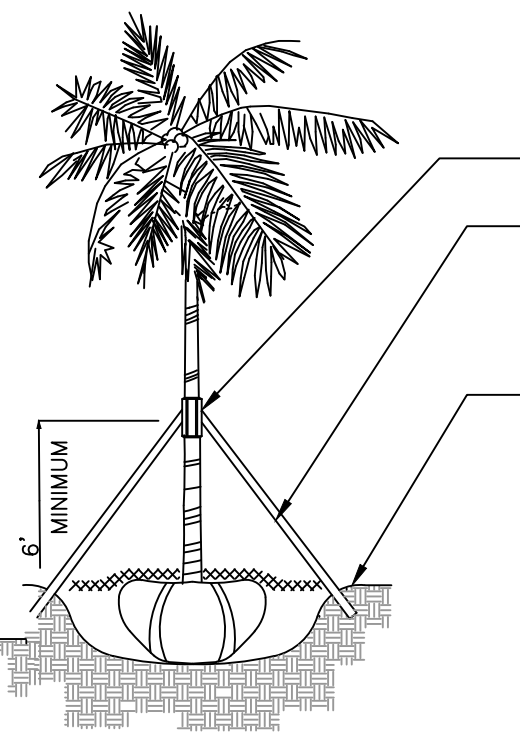
- Preservation of existing vegetation and landscape
- New landscape design to complement and enhance the new architecture

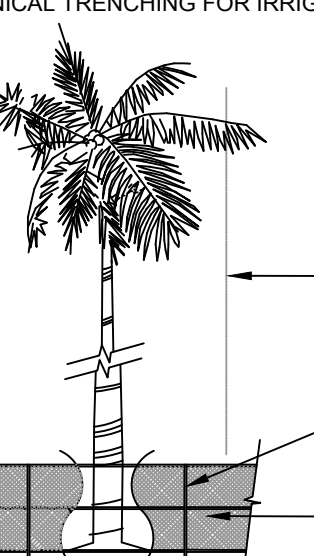
INDEX OF SHEETS

- L-0 Cover Page + Sheet Index
- L-1 Existing Palm Survey + Disposition Plan
- L-2 Landscape Plan
- L-3 Landscape Notes + Details
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C.M.B. CHAPTER 46, DIVISION 2 - TREE INVENTORY + DISPOSITION PLAN NOTES	
1.	THIS 'EXISTING PALM INVENTORY + DISPOSITION PLAN' HAS BEEN PREPARED IN ACCORDANCE WITH THE CITY OF MIAMI BEACH, CHAPTER 46 - ENVIRONMENT, DIVISION 2, TREE PRESERVATION and PROTECTION ORDINANCE.
2.	EXISTING PALM, AND VEGETATION INFORMATION AS INDICATED HAS BEEN PREPARED AS AN OVERLAY ON THE SURVEY PREPARED BY AMERICAN SERVICES OF MIAMI, CORP. DATED 06.15.16
3.	THE INFORMATION AS PRESENTED HEREIN HAS BEEN FIELD VERIFIED BY THE LANDSCAPE ARCHITECT ON 07.27.16
4.	MIAMI BEACH P+Z MUST APPROVE LANDSCAPE PLANS PRIOR TO REMOVING ANY PALMS WITH A DBH BETWEEN 8" AND 12" INCHES. A WRITTEN TREE REMOVAL PERMIT IS REQUIRED FROM CITY OF MIAMI BEACH GREENSPACE MANAGEMENT / P/W FOR THE REMOVAL OF PALMS WITH A DBH GREATER THAN 12" INCHES OR IN THE R.O.W.
5.	THE OWNER RESERVES THE RIGHT TO REMOVE ANY VEGETATION NOT LOCATED WITHIN THE CITY R.O.W. w/ a D.B.H. OF LESS THAN 8" WITHOUT OBTAINING A TREE REMOVAL PERMIT.
6.	THERE ARE NO PALMS LOCATED ON THIS PROPERTY THAT WILL REQUIRE TEMPORARY IRRIGATION. ALL EXISTING PALMS ARE MATURE AND ARE CURRENTLY THRIVING WITHOUT SUPPLEMENTAL IRRIGATION WATER.

C.M.B. PUBLIC WORKS / GREENSPACE MANAGEMENT CONDITIONS	
1.	SHOULD ANY EXISTING PALMS BE DAMAGED THEY SHALL BE EVALUATED BY THE CITY URBAN FORESTER TO DETERMINE CORRECTIVE ACTIONS THAT MAY INCLUDE REMOVAL, CORRECTIVE PRUNING AND OR REPLACEMENT. ANY CORRECTIVE ACTIONS REQUIRED SHALL BE PERFORMED IN ACCORDANCE WITH MIAMI BEACH CODE. THE MOST CURRENT ANSI A-300 PRUNING STANDARDS AND OR AN ISSUED CITY OF MIAMI BEACH TREE WORK PERMIT. ANY CORRECTIVE PRUNING REQUIRED SHALL BE PERFORMED BY AN ISA CERTIFIED ARBORIST AND THE CITY URBAN FORESTER SHALL BE CONSULTED.
2.	CARE SHALL BE TAKEN TO AVOID UTILITY OR CONSTRUCTION TRENCHING THROUGH EXISTING PALM DRIP LINES OF PALMS SLATED TO REMAIN IN PLACE OR BE RELOCATED. IF CONSTRUCTION REQUIRES THE CUTTING OF ANY ROOTS WITH A DIAMETER OF 2" OR GREATER, ROOTS SHALL BE CLEANLY CUT WITH A SHARP TOOL, AS DIRECTED BY AN ISA CERTIFIED ARBORIST, AND IN ACCORDANCE WITH THE ANSI A-300 STANDARDS. CUT ROOTS SHOULD BE IMMEDIATELY COVERED WITH SOIL TO PREVENT DRYING. ROOTS SHOULD NOT BE TORN OR BROKEN BY HEAVY EQUIPMENT, AND NO SHREDDED, RAGGED OR BROKEN ROOT ENDS SHOULD BE LEFT. THE CITY URBAN FORESTER SHALL BE NOTIFIED IN WRITING AND OR CONSULTED PRIOR TO ANY ROOT PRUNING TAKING PLACE.
3.	SHOULD ANY CORRECTIVE STRUCTURAL PRUNING BE NECESSARY FOR TREES PROPOSED TO REMAIN ONSITE, DUE TO CLEARANCE, SAFETY OR FOR CONSTRUCTION RELATED REASONS THE PRUNING SHALL BE PERFORMED BY AN ISA OR ASCA CERTIFIED ARBORIST IN ACCORDANCE WITH THE LATEST VERSION OF THE ANSI A-300 PRUNING STANDARDS AND GOOD HORTICULTURAL PRACTICES. THE CITY URBAN FORESTER SHALL BE PROVIDED WITH A WRITTEN COPY OF THE PROPOSED PRUNING PLAN INCLUDING THE REASONS WHY PRUNING IS NECESSARY, PRIOR TO THE PRUNING ACTIVITIES TAKING PLACE.
4.	ANY ROOT PRUNING, IF REQUIRED DURING THE PROJECT, SHALL BE CONDUCTED UNDER THE SUPERVISION OF AN IS A CERTIFIED ARBORIST OR ASCA CONSULTING ARBORIST. ANY ROOT PRUNING, IF REQUIRED, WILL BE LIMITED TO WHAT IS ABSOLUTELY NECESSARY FOR CONSTRUCTION. ADDITIONALLY, AND ROOT PRUNING WORK WILL BE DOCUMENTED WITH COLOR PICTURES AND PROVIDED TO MR. MARK WILLIAMS AT C.M.B. PLANNING + ZONING DEPARTMENTS ON A REGULAR BASIS.

	TRANSPLANT OPERATIONS TO BE SUPERVISED BY AN ISA CERTIFIED ARBORIST. WOOD BATTENS FOR SUPPORT. UTILIZE BURLAP TO PROTECT TRUNK. DO NOT NAIL TO PALM WOOD BRACES PROVIDED - MINIMUM OF THREE THE CONTRACTOR SHALL BE RESPONSIBLE TO ADD BRACING AS NECESSARY TO PROVIDE ADEQUATE SUPPORT. 4" X 4" AS NEEDED FOR ROYAL PALMS. SET THE PALM NO DEEPER THAN ITS ORIGINAL CONDITION AND WATER TO ELIMINATE AIR POCKETS BACKFILL WITH A MIXTURE OF 50% NATIVE SOIL AND 50% OF 50/50 TOPSOIL-SAND MIXTURE SAUCER ALL AROUND FOR WATER RETENTION POST TRANSPLANT WATERING TO PROVIDE MOISTURE AND REDUCE ANY EXCESSIVE STRESS DUE TO DESSICATION. WATERING TO BE ADJUSTED ACCORDING TO CONDITIONS AND AT THE SUPERVISION AND DIRECTION OF THE ISA CERTIFIED ARBORIST.
C.M.B. PALM TRANSPLANT DETAIL	
N.T.S.	

	PALM PROTECTION FENCES SHALL BE CONSTRUCTED PRIOR TO ANY CONSTRUCTION ACTIVITY INCLUDING GRUBBING FOR ALL PALMS THAT ARE TO REMAIN, BE PROTECTED, OR BE RELOCATED NO ACTIVITY OR DISTURBANCE SHOULD OCCUR WITHIN THE FENCED AREAS, INCLUDING VEHICLE USE, STORAGE OF MATERIALS, DUMPING OF LIQUIDS OR MATERIALS, GRADE CHANGES, GRUBBING, AND MECHANICAL TRENCHING FOR IRRIGATION, ELECTRICAL, LIGHTING, ETC. FENCE SHALL EXTEND A MINIMUM OF 8" BEYOND TRUNK FOR EVERY 1" OF DBH AS PER C.M.B. GUIDELINES. PALM PROTECTION BARRIERS TO EXTEND BEYOND THE 'DRIPLINE' OR TO THE 'CRITICAL ROOT ZONE AREA' OF ALL PALMS TO BE PROTECTED. EXTEND WHERE NECESSARY TO PROTECT PALM CANOPY ROOTS. IN-GROUND METAL POLES AT 8' SPACING. MINIMUM 4' HEIGHT PREMANUFACTURED CONTINUOUS CHAIN LINK FENCE BARRIER
C.M.B. PALM PROTEC. DETAIL (CHAINLINK)	
N.T.S.	

C.M.B. EXISTING TREE INVENTORY + DISPOSITION CHART - 503 EAST DILIDO DRIVE											
NUMBER	COMMON NAME	BOTANICAL NAME	SPECIMEN	D.B.H. (IN)	HEIGHT (FT)	SPREAD (FT)	CONDITION	DISPOSITION	CANOPY AREA	CANOPY LOSS / MIT. REQ. (SF)	PERMIT REQUIREMENTS
#1	Christmas Palm	Adonidia merrillii	NO	+/- 6"	+/- 25'	+/- 6'	GOOD	REMOVE	28 SF	28 SF	LOCATED IN ROW / IN CONFLICT / TO BE REMOVED GREENSPACE MANAGMT / PW
#2	Christmas Palm	Adonidia merrillii	NO	+/- 6"	+/- 25'	+/- 6'	GOOD	REMOVE	28 SF	28 SF	LOCATED IN ROW / IN CONFLICT / TO BE REMOVED GREENSPACE MANAGMT / PW
#3	Christmas Palm	Adonidia merrillii	NO	+/- 6"	+/- 25'	+/- 6'	GOOD	REMAIN	28 SF	0 SF	PRESERVE + PROTECT DURING CONSTRUCTION NO PERMIT REQUIRED
#4	Christmas Palm	Adonidia merrillii	NO	+/- 6"	+/- 25'	+/- 6'	GOOD	REMAIN	28 SF	0 SF	PRESERVE + PROTECT DURING CONSTRUCTION NO PERMIT REQUIRED
#5	Royal Palm	Roystonea elata	YES	+/- 30"	+/- 50'	+/- 30'	GOOD	REMAIN	707 SF	0 SF	PRESERVE + PROTECT DURING CONSTRUCTION NO PERMIT REQUIRED
#6	Royal Palm	Roystonea elata	YES	+/- 30"	+/- 50'	+/- 30'	GOOD	REMAIN	707 SF	0 SF	PRESERVE + PROTECT DURING CONSTRUCTION NO PERMIT REQUIRED
#7	Royal Palm	Roystonea elata	YES	+/- 30"	+/- 50'	+/- 30'	GOOD	REMAIN	707 SF	0 SF	PRESERVE + PROTECT DURING CONSTRUCTION NO PERMIT REQUIRED
#8	Royal Palm (double)	Roystonea elata	YES	+/- 30"	+/- 50'	+/- 30'	GOOD	RELOCATE	707 SF	0 SF	IN CONFLICT SEE PROPOSED NEW LOCATION GREENSPACE MANAGMT / PW
#8a	Alexander Palm	Ptychosperma elegans	NO	+/- 6"	+/- 25'	+/- 6'	GOOD	REMOVE	28 SF	28 SF	IN CONFLICT / MITIGATION PROVIDED NO PERMIT REQUIRED
#9	White Bird (cluster)	Strelitzia nicotia	YES	+/- 14"	+/- 16'	+/- 6'	GOOD	RELOCATE	28 SF	0 SF	IN CONFLICT SEE PROPOSED NEW LOCATION GREENSPACE MANAGMT / PW
#9a	Christmas Palm	Adonidia merrillii	NO	+/- 6"	+/- 25'	+/- 6'	GOOD	REMAIN	28 SF	0 SF	PRESERVE + PROTECT DURING CONSTRUCTION NO PERMIT REQUIRED
#11	Christmas Palm	Adonidia merrillii	NO	+/- 7"	+/- 40'	+/- 12'	GOOD	REMOVE	113 SF	113 SF	IN CONFLICT / MITIGATION PROVIDED NO PERMIT REQUIRED
#18	Christmas Palm	Adonidia merrillii	NO	+/- 4"	+/- 35'	+/- 6'	GOOD	REMOVE	28 SF	28 SF	IN CONFLICT / MITIGATION PROVIDED NO PERMIT REQUIRED
#19	Fishtail Palm	Caryota mitis	NO	+/- 4"	+/- 18'	+/- 6'	GOOD	REMOVE	28 SF	28 SF	IN CONFLICT / MITIGATION PROVIDED NO PERMIT REQUIRED
#20	Coconut Palm	Cocos nucifera	NO	+/- 10"	+/- 50'	+/- 40'	GOOD	REMAIN	1257 SF	0 SF	PRESERVE + PROTECT DURING CONSTRUCTION NO PERMIT REQUIRED
#21	Coconut Palm	Cocos nucifera	NO	+/- 12"	+/- 8'	+/- 6'	GOOD	REMAIN	28 SF	0 SF	PRESERVE + PROTECT DURING CONSTRUCTION NO PERMIT REQUIRED
#22	Christmas Palm	Adonidia merrillii	NO	+/- 6"	+/- 25'	+/- 6'	GOOD	REMOVE	28 SF	28 SF	IN CONFLICT / MITIGATION PROVIDED NO PERMIT REQUIRED
#24	Alexander Palm	Ptychosperma elegans	NO	+/- 5"	+/- 40'	+/- 12'	GOOD	REMOVE	113 SF	113 SF	IN CONFLICT / MITIGATION PROVIDED NO PERMIT REQUIRED
#25	Alexander Palm	Ptychosperma elegans	NO	+/- 5"	+/- 40'	+/- 12'	GOOD	REMOVE	113 SF	113 SF	IN CONFLICT / MITIGATION PROVIDED NO PERMIT REQUIRED
#26	Christmas Palm (cluster)	Adonidia merrillii	NO	+/- 7"	+/- 40'	+/- 6'	GOOD	REMOVE	50 SF	50 SF	IN CONFLICT / MITIGATION PROVIDED NO PERMIT REQUIRED
#27	Alexander Palm	Ptychosperma elegans	NO	+/- 5"	+/- 40'	+/- 12'	GOOD	REMOVE	113 SF	113 SF	IN CONFLICT / MITIGATION PROVIDED NO PERMIT REQUIRED
#28	Alexander Palm	Ptychosperma elegans	NO	+/- 5"	+/- 40'	+/- 12'	GOOD	REMOVE	113 SF	113 SF	IN CONFLICT / MITIGATION PROVIDED NO PERMIT REQUIRED
#29	Alexander Palm	Ptychosperma elegans	NO	+/- 5"	+/- 40'	+/- 12'	GOOD	REMOVE	113 SF	113 SF	IN CONFLICT / MITIGATION PROVIDED NO PERMIT REQUIRED
#32	Royal Palm	Roystonea elata	YES	+/- 24"	+/- 50'	+/- 20'	GOOD	REMAIN	314 SF	0 SF	PRESERVE + PROTECT DURING CONSTRUCTION N/A
#35	Royal Palm	Roystonea elata	YES	+/- 24"	+/- 50'	+/- 20'	GOOD	RELOCATE	314 SF	0 SF	IN CONFLICT SEE PROPOSED NEW LOCATION GREENSPACE MANAGMT / PW
#36	Chinese Fan Palm	Livistonia chinensis	YES	+/- 14"	+/- 40'	+/- 15'	GOOD	REMAIN	177 SF	0 SF	PRESERVE + PROTECT DURING CONSTRUCTION N/A
#38	Queen Palm	Syagrus romanzoffiana	YES	+/- 24"	+/- 50'	+/- 20'	GOOD	REMAIN	314 SF	0 SF	PRESERVE + PROTECT DURING CONSTRUCTION N/A
#39	Christmas Palm	Adonidia merrillii	NO	+/- 5"	+/- 25'	+/- 6'	GOOD	REMOVE	28 SF	28 SF	IN CONFLICT / MITIGATION PROVIDED NO PERMIT REQUIRED
#40	Christmas Palm	Adonidia merrillii	NO	+/- 5"	+/- 25'	+/- 6'	GOOD	REMOVE	28 SF	28 SF	IN CONFLICT / MITIGATION PROVIDED NO PERMIT REQUIRED
#41	Christmas Palm	Adonidia merrillii	NO	+/- 5"	+/- 25'	+/- 6'	GOOD	REMOVE	28 SF	28 SF	IN CONFLICT / MITIGATION PROVIDED NO PERMIT REQUIRED
#42	Christmas Palm	Adonidia merrillii	NO	+/- 6"	+/- 30'	+/- 6'	GOOD	REMOVE	28 SF	28 SF	IN CONFLICT / MITIGATION PROVIDED NO PERMIT REQUIRED
#43	Christmas Palm	Adonidia merrillii	NO	+/- 6"	+/- 30'	+/- 6'	GOOD	REMOVE	28 SF	28 SF	IN CONFLICT / MITIGATION PROVIDED NO PERMIT REQUIRED
TOTAL MITIGATION REQUIRED:										1,036 SF	
TOTAL MITIGATION PROVIDED:										2,500 SF	

EXISTING PALM SURVEY + DISPOSITION PLAN



LANDSCAPE NOTES

1. ALL PLANT MATERIAL SHALL BE FLORIDA GRADE NO. 1 OR BETTER.

2. CONTRACTOR SHALL BECOME FAMILIAR WITH THE LOCATION OF, AVOID, AND PROTECT ALL UTILITY LINES, BURIED CABLES, AND OTHER UTILITIES.

3. 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.

4. 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:
12" 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 12" AND BACKFILL W/ 50:50 TOPSOIL:SAND MIX. BUILDING FOUNDATIONS SHALL BE THE SAME DEPTH TO A WIDTH OF 36" FROM THE BUILDING BASE.

5. THE SITE CONTRACTOR SHALL BE RESPONSIBLE TO BRING ALL GRADES TO WITHIN 2" OF FINAL GRADES. THIS SHALL INCLUDE A 2" APPLICATION OF 50:50 TOPSOIL:SAND MIX FOR ALL LANDSCAPE AND AREAS TO BE SODDED.

6. THE LANDSCAPE CONTRACTOR SHALL CALCULATE AND SUBMIT AN ITEMIZED PRICE FOR THE 2" APPLICATION OF 50:50 MIX FOR ALL 500 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 2" 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.

7. ALL EXISTING PALM INFORMATION THAT HAS BEEN PROVIDED ON THIS PLAN FOLLOWS THE CITY OF MIAMI BEACH TREE PERMITTING GUIDELINES. ANY TREES OR PALMS CONSIDERED INVASIVE OR THAT FALL UNDER THE TREE PERMIT EXEMPTION / PROHIBITED SPECIES LIST 24-94 (4) MAY NOT BE SHOWN FOR CLARITY PURPOSES. ANY DISCREPANCIES IF NOTED UPON FURTHER FIELD INSPECTION SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE LANDSCAPE ARCHITECT.

8. IRRIGATION SHALL PROVIDE FOR A 100% COVERAGE WITH 50% OVERLAP MINIMUM AND BE PROVIDED BY A FULLY AUTOMATIC IRRIGATION SYSTEM W/ RAIN MOISTURE SENSOR ATTACHED TO CONTROLLER. ALL FLORIDA BUILDING CODE APPENDIX "F" IRRIGATION REQUIREMENTS SHALL BE STRICTLY ADHERED TO FOR INSTALLATION AND PREVAILING WATER MANAGEMENT DISTRICT RESTRICTIONS AND REGULATIONS SHALL BE IN COMPLIANCE FOR POST-INSTALLATION WATERING SCHEDULES. CONTRACTOR SHALL COORDINATE WITH THE IRRIGATION CONTRACTOR AND LEAVE PROVISIONS FOR ALL SLEEVEING AND PIPE ROUTING. ALL UNDERGROUND UTILITIES TO BE LOCATED BY DIALING 811 AS REQUIRED BY LAW.

9. ALL PLANTING BEDS SHALL BE MULCHED TO A DEPTH OF 2" WITH A SMALL GRAY GRANITE AGGREGATE or APPROVED ORGANIC MULCH FREE FROM WEEDS AND PESTS. NO 'CYPRESS MULCH' OR 'RED DYED MULCH' TO BE ACCEPTED. KEEP MULCH 6" AWAY FROM TREE OR PALM TRUNKS AS PER INDUSTRY RECOMMENDATIONS.

10. SOD SHALL BE 'EMPIRE TURF' ZOYSIA GRASS IN ALL LAWN AREAS AS SHOWN ON THE PLANS. SOD SHALL BE STRONGLY ROOTED, FREE FROM WEED, FUNGUS, INSECTS AND DISEASE. CONTRACTOR SHALL SOD ALL AREAS AS INDICATED ON THE PLANS OR AS DIRECTED. PAYMENT SHALL BE DETERMINED BY THE TOTAL MEASURED SODDED AREAS X THE UNIT PRICE SUBMITTED AND FIELD VERIFIED. SOD SHALL CARRY A 5-MONTH WARRANTY.

11. ALL TREES, PALMS, SHRUBS AND GROUND COVERS, AND SOD / LAWN SHALL CARRY A ONE-YEAR WARRANTY FROM THE DATE OF FINAL ACCEPTANCE.

12. **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.

13. 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.

14. 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.

15. FERTILIZATION: ONE COMPLETE APPLICATION OF GRANULAR FERTILIZER SHALL BE APPLIED PRIOR TO FINAL ACCEPTANCE AND APPROVAL BY THE LANDSCAPE ARCHITECT. FERTILIZER SHALL BE OSMACOTE OR APPROVAL EQUAL.

16. **SHOULD ANY TREES OR PALMS BE DAMAGED THEY SHALL BE EVALUATED BY THE CITY URBAN FORESTER TO DETERMINE CORRECTIVE ACTIONS THAT MAY INCLUDE REMOVAL, CORRECTIVE PRUNING AND OR REPLACEMENT. ANY CORRECTIVE ACTION REQUIRED SHALL BE PERFORMED IN ACCORDANCE WITH A MIAMI DADE COUNTY CODE, ANSI-A 300 PRUNING STANDARDS AND OR AN ISSUED ERM TREE PERMIT OR ENVIRONMENTAL PERMIT. ANY CORRECTIVE PRUNING REQUIRED SHALL BE PERFORMED BY AN ISA CERTIFIED ARBORIST OR ASCA CONSULTING ARBORIST AND THE CITY URBAN FORESTER SHALL BE CONSULTED.**

17. **ALL PALMS TO REMAIN OR BE RELOCATED ON SITE IN THE VICINITY OF CONSTRUCTION ACTIVITIES, SHALL BE PROTECTED THROUGH THE USE OF TREE PROTECTION BARRICADES INSTALLED AT THE TREE OR PALM DRIP LINE. A TREE PROTECTION FENCE SHALL BE CONSTRUCTED PRIOR TO ANY CONSTRUCTION ACTIVITY INCLUDING GRUBBING AND SHALL REMAIN IN PLACE UNTIL ON SITE CONSTRUCTION HAS BEEN COMPLETED.**

18. **CITY OF URBAN FORESTER AND OR PLANNING DEPARTMENT STAFF TO APPROVE ROW TREES BEFORE THEY ARE PLANTED.**

20. **MULCH SHALL NOT BE APPLIED WITHIN 6" OF ANY TREE OR PALM TRUNK THAT IS INSTALLED OR INCORPORATED INTO THE PROJECT. FOR ROW TREES + PALMS, ALL MULCH SHALL BE AMERIGROW 'PREMIUM PINEBARK BROWN' SHREDDED MULCH OR A CITY APPROVED ALTERNATIVE.**

IRRIGATION NOTES

1. 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.

2. 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.

3. 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 "TORO", "RAINBIRD" OR AN APPROVED EQUAL. ALL WORK SHALL BE DONE IN A PROFESSIONAL MANNER AS PER MANUFACTURER'S SPECIFICATIONS.

4. 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.

5. 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.

6. THE CONTRACTOR SHALL SECURE ALL WORK WITH THE PROJECT MANAGER, LANDSCAPE CONTRACTOR AND ALL OTHER CONTRACTORS TO INSURE PROPER INSTALLATION, SCHEDULING, AND PROCEDURE.

7. THE CONTRACTOR SHALL COORDINATE WITH THE PROJECT MANAGER TO PROVIDE ELECTRICAL SUPPLY TO THE CONTROLLER, PUMP, ETC. AS NEEDED.

8. 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.

9. 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 SLEEVEING SHALL BE SCHEDULE 40 PVC PIPE AND SHALL BE 2 TIMES THE MAIN OR LATERAL PIPE SIZE.

10. THE CONTRACTOR SHALL CONNECT THE MASTER VALVE (WHEN APPLICABLE) AND ALL ELECTRIC VALVES TO THE CONTROLLER AND PROVIDE PROPER SYNCHRONIZATION.

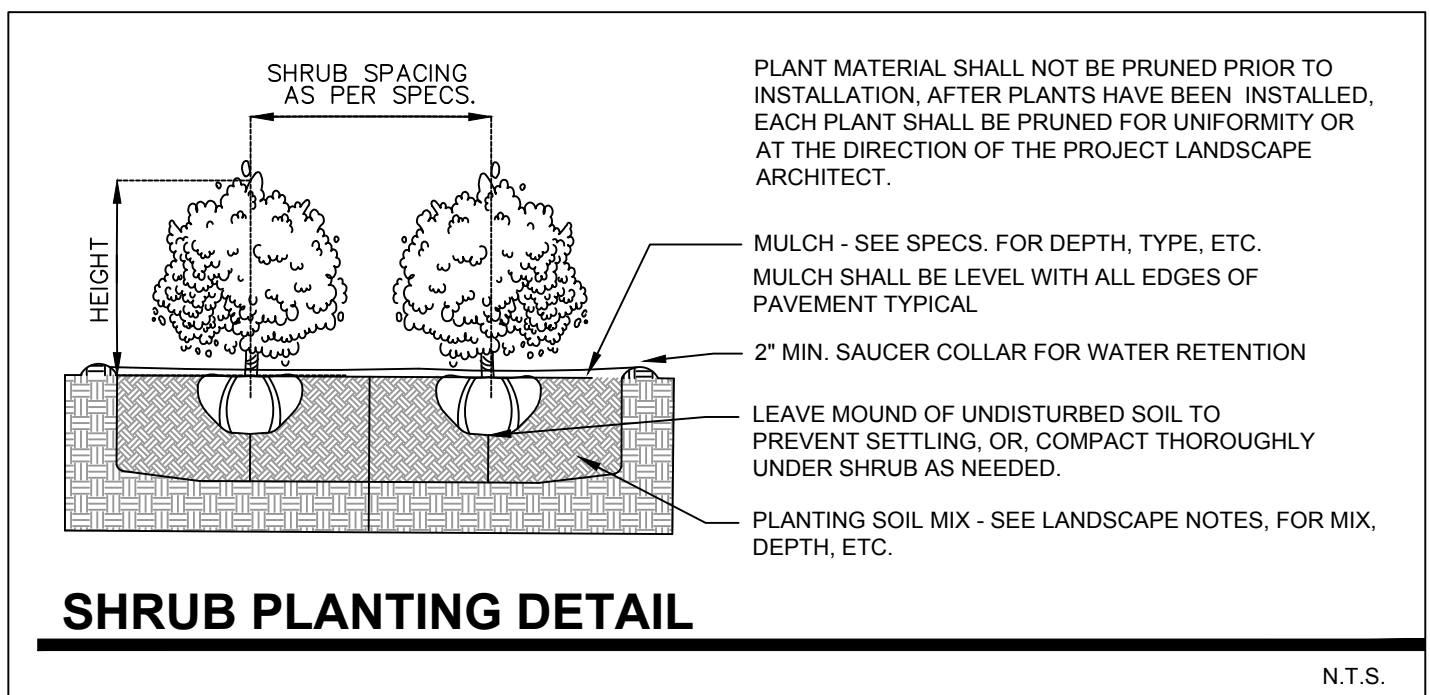
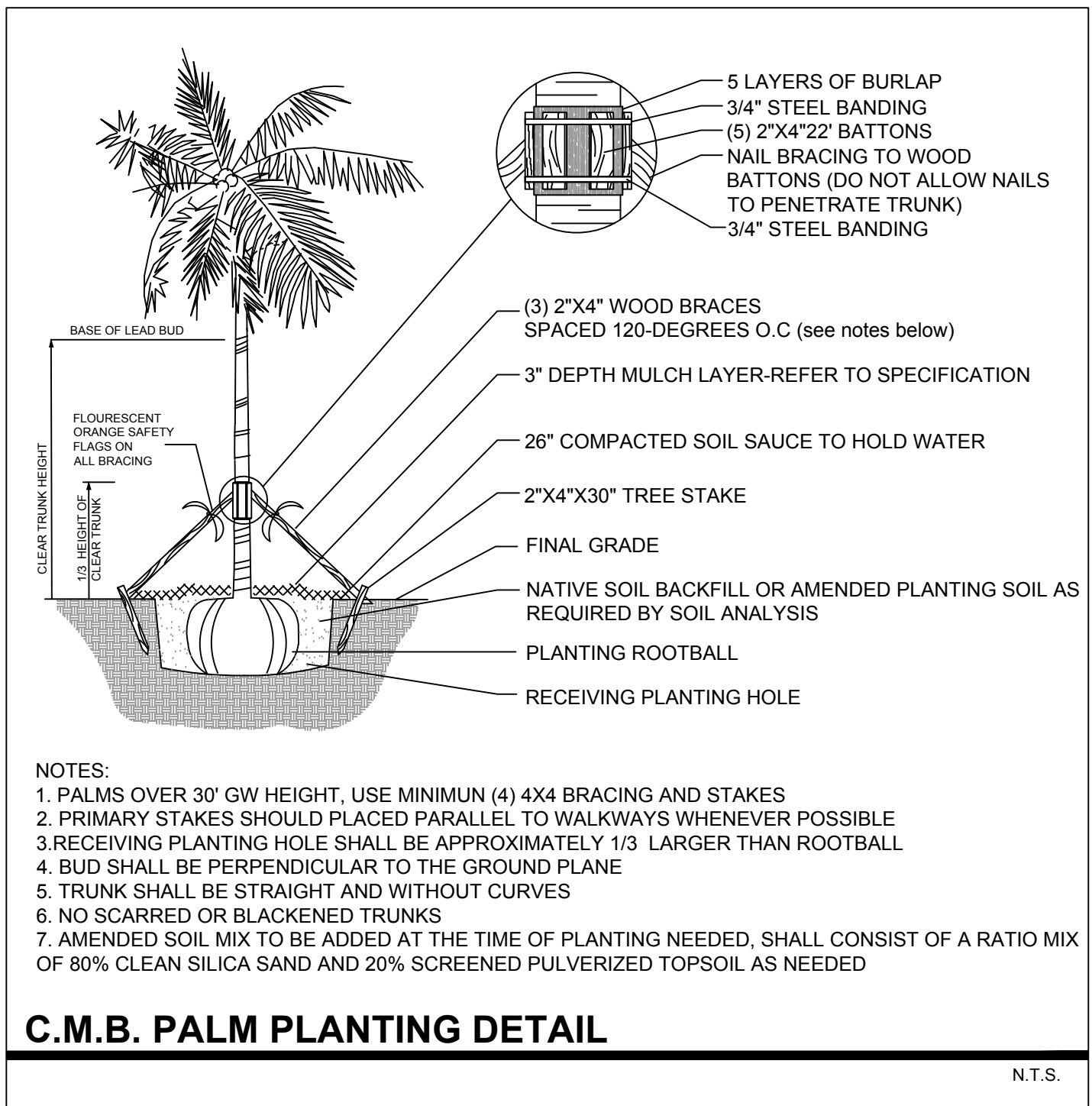
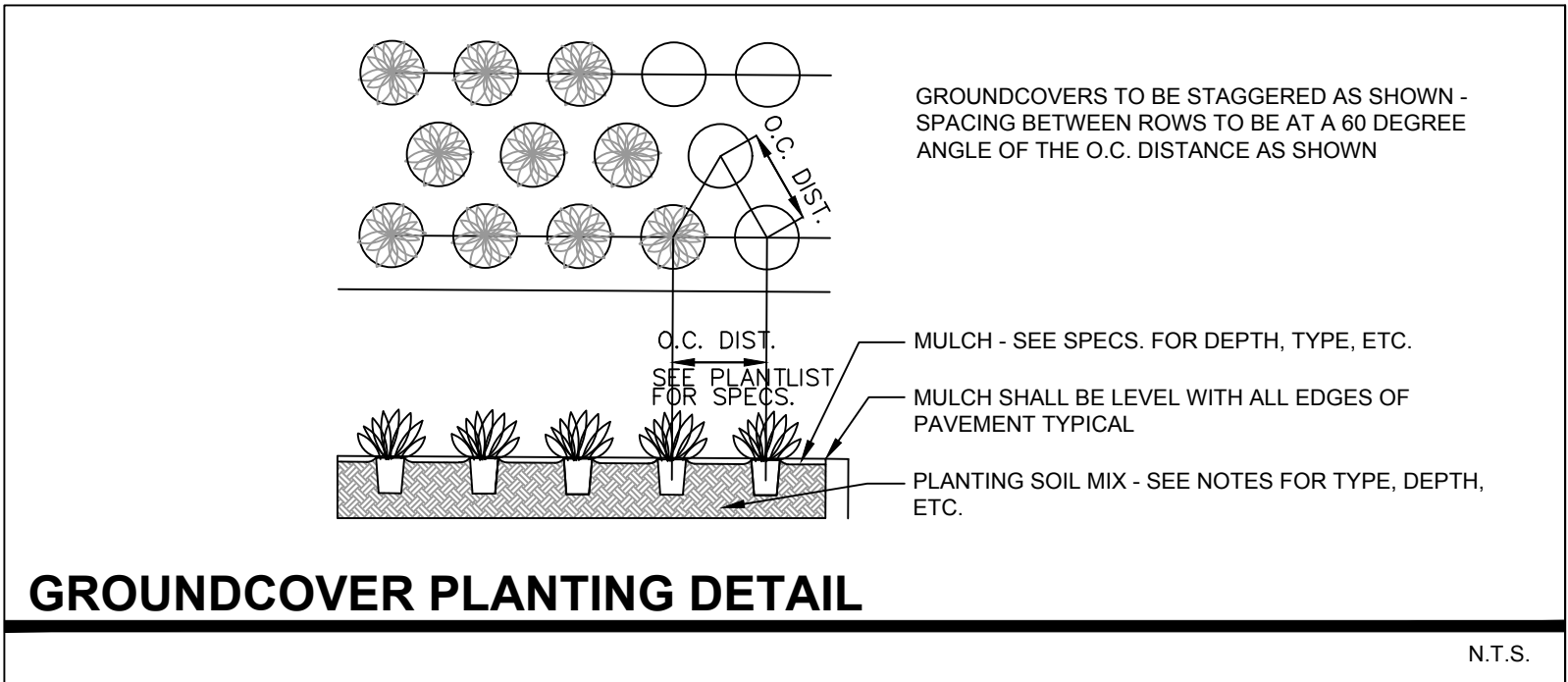
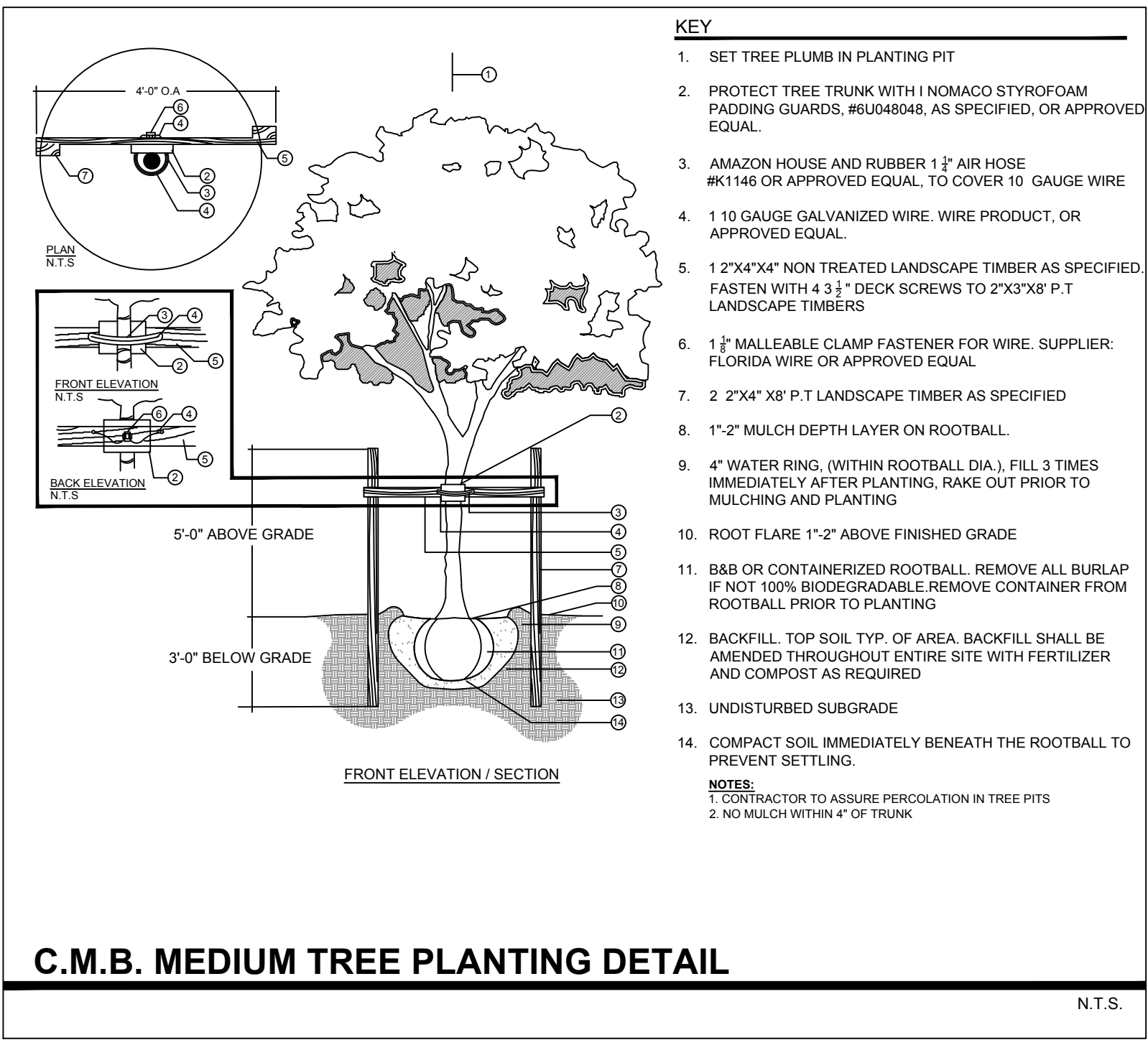
11. ALL LOW VOLTAGE ELECTRIC VALVES SHALL BE #14 DIRECT BURIAL. ALL WIRES UNDER ROADS TO BE PLACED IN A SPERARATE 1" SLEEVE. CONTRACTOR SHALL PROVIDE A MINIMUM OF TWO EXTRA WIRES FOR EMERGENCY POST INSTALLATION WIRING.

12. 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.

13. CONTRACTOR SHALL PROVIDE A ONE-YEAR GUARANTEE ON ALL PARTS AND A 90 DAY GUARANTEE ON LABOR FROM THE DATE OF FINAL ACCEPTANCE..

14. THE IRRIGATION CONTRACTOR SHALL RECORD ALL CHANGES MADE TO THE IRRIGATION SYSTEM DURING INSTALLATION, AND PROVIDE AN AS-BUILT DRAWING O THE OWNER'S REPRESENTATIVE UPON COMPLETION AND ACCEPTANCE OF THE WORK.

15. 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.



EXISTING TREE SURVEY LEGEND

- ✗ PALM TO BE REMOVED. SEE CHART L-1
- # PALM TO REMAIN. PRESERVE + PROTECT
- REL # PALM TO BE RELOCATED
- TREE or PALM PROTECTION FENCE

EXISTING WATER METER & EXISTING RPZ BACKFLOW PREVENTION DEVICE FOR IRRIGATION SYSTEM. REFER TO CIVIL ENGINEER'S PLANS. PROVIDE MASTER GATE VALVE AFTER RPZ AND CONNECT TO IRRIGATION CONTROLLER

IRRIGATION LATERAL LINE TYPICAL

ZONE
#1
20 GPM
1" VALVE
SPRAY

IRRIGATION MAIN LINE TYPICAL
IRRIGATION MAIN LINE IS SHOWN SCHEMATICALLY FOR CLARITY PURPOSES

RAIN BIRD ESP-LX MODULAR IRRIGATION TIMER AND RAIN BIRD RAIN SENSOR ATTACHED TO CONTROLLER SEE IRRIGATION LEGEND

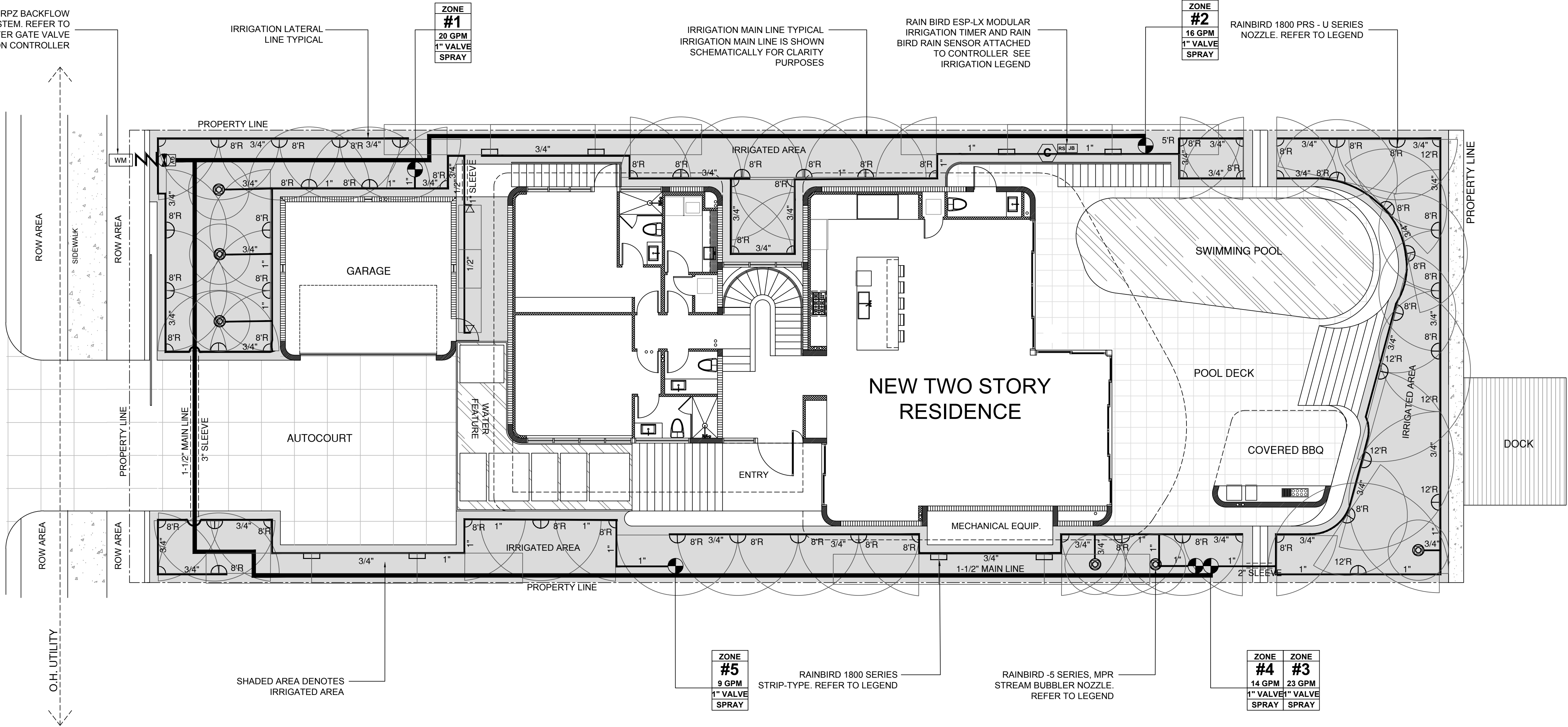
ZONE
#2
16 GPM
1" VALVE
SPRAY

RAINBIRD 1800 PRS - U SERIES NOZZLE. REFER TO LEGEND

PROPERTY LINE

BISCAYNE BAY

EAST DILIDO DRIVE



SHADED AREA DENOTES IRRIGATED AREA

ZONE
#5
9 GPM
1" VALVE
SPRAY

RAINBIRD 1800 SERIES STRIP-TYPE. REFER TO LEGEND

RAINBIRD -5 SERIES, MPR STREAM BUBBLER NOZZLE. REFER TO LEGEND

ZONE
#4
14 GPM
1" VALVE
SPRAY

ZONE
#3
23 GPM
1" VALVE
SPRAY

PIPE INSTALLATION + SLEEVE NOTES

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

FLORIDA BUILDING CODE - APPENDIX F SLEEVE SIZES - PART V A-6	
WATER PIPE SIZE	SLEEVE SIZE
3/4"	1 1/2"
1"	2"
1 1/4"	2 1/2"
1 1/2"	3"
2"	4"
3"	6"
4"	8"
SLEEVES TO EXTEND A MIN. 3' BEYOND ALL PAVED AREAS, BACKFILL AND COMPACTION PER APPENDIX F	

IRRIGATION INSTALLATION NOTES

PROVIDE ADDITIONAL ZONES TO ACCOMODATE FUTURE LANDSCAPE EXPANSION
LOCATION OF IRRAGTION LINES ARE SHOWN SCHEMATICALLY, FIELD ADJUST AS NECESSARY TO AVOID TRENCHING THROUGH EXISTING TREE OR PALM DRIPLINES

IRRIGATION PLAN NOTES

ALL MAIN LINES, LATERAL LINES and IRRIGATION SPRINKLER COMPONENT LOCATIONS ARE SHOWN SCHEMATICALLY AND SHALL BE ADJUSTED BASED ON FIELD CONDITIONS. ALL LANDSCAPES AREAS TO RECEIVE 100% COVERAGE WITH A MINIMUM 50% OVERLAP BY A FULLY AUTOMATIC IRRIGATION SYSTEM with RAIN SENSOR. AFTER SITE INVESTIGATION THE LANDSCAPE CONTRACTOR IS TO PROVIDE A 'SHOP DRAWING' DETAILING THE PROPOSED IRRIGATION SYSTEM DESIGN TO THE LANDSCAPE ARCHITECT AND GENERAL CONTRACTOR.

A ROUGH INSPECTION IS REQUIRED BY THE CITY OF MIAMI BEACH PRIOR TO TRENCH BACKFILLING AND A FINAL INSPECTION SHALL BE REQUIRED PRIOR TO COMPLETION OF IRRIGATION WORK.

SOUTH FLORIDA WATER MANAGEMENT DISTRICT (SFWMD) WATER RESTRICTIONS, PHASE II ARE IN EFFECT. NEW LANDSCAPE INSTALLATION SHALL BE EXEMPT PER SFWMD FOR A PERIOD OF SIXTY DAYS AFTER INSTALLATION with CONTRACTOR and/or OWNER TO ASSUME RESPONSIBILITY AFTER 60 DAY PERIOD.

USE EXTREME CAUTION IN ALL AREAS TO AVOID ROOTS OF EXISTING TREES, PALMS + VEGETATION. HAND EXCAVATE AS NECESSARY AND ADJUST ALL MAIN AND LATERAL IRRIGATION LINES BASED ON FIELD CONDITIONS. TRENCHING THRU ROOT ZONES SHALL BE AVOIDED AND ALL IRRIGATION LINES ARE TO RUN OUTSIDE OF THE ROOT ZONES OF ALL EXISTING VEGETATION

IRRIGATION LEGEND

WM 1" IRRIGATION METER
REFER TO CIVIL ENGINEER'S PLANS

Z RPZ (REDUCED PRESSURE ZONE)
REFER TO CIVIL ENGINEER'S PLANS

GV 1" MASTER VALVE FOR TOTAL SYSTEM
SHUT OFF. CONNECT TO CONTROLLER

C RAINBIRD ESP-LX MODULAR SERIES
CONTROLLER W/ RAINBIRD RAIN SENSOR

RS RAINBIRD RSD SERIES RAIN SENSOR
ATTACHED TO CONTROLLER

1" ELECTRIC VALVES-RAINBIRD PEB SERIES
OR APPROVED EQUAL, IN 10" ROUND VALVE BOX

JB JUNCTION BOX w/ WATER PROOF CONNECTORS
REFER TO ELECTRICAL ENGINEER'S PLANS

1 1/2" PVC Main Supply Line - Sch 40
PVC LATERAL LINE (Sch. 160)

PIPE in SLEEVE (See Sizing Chart)

PIPE CONNECTION

PIPE CROSSING

ZONE
#1
25 GPM
1" VALVE
SPRAY

ZONE DESIGNATION & INFORMATION

GALLONS PER MINUTE

VALVE SIZE

IRRIGATION TYPE

RAINBIRD 1800 PRS - U SERIES NOZZLE.
10", 12", 15" POP-UP / QUARTER, HALF, FULL
RADIUS DIAMETERS AS NOTED

RAINBIRD 1800 SERIES STRIP-TYPE
15EST (END STRIP), 15 CST (CENTER STRIP) 1.5 GPM

RAINBIRD -5 SERIES, MPR STREAM BUBBLER
NOZZLES, 5' RADIUS, 1.5 GPM