

Miami Shores Village



ADDENDUM NO. 3 ITB 2024-08-01 Bayfront Park Seawall Replacement October 18, 2024

This Addendum No. 3 to the above-referenced ITB is issued in response to questions from prospective respondents, or other clarifications and revisions issued by the Village. The ITB is amended in the following particulars only. Deletions are shown by ~~strike through~~ and additions are underlined.

The bid submittal deadline has been extended. All bids must be signed, sealed and to the Office of the Village Clerk, Miami Shores Village, 10050 N.E. 2nd Avenue, Miami Shores, FL 33138, no later than 2:30 p.m. ~~Monday, October 21, 2024,~~ Wednesday, October 23, 2024 and clearly marked in the lower left-hand corner on the outside of the envelope: "ITB 2024-08-01 Bayfront Park Seawall Replacement". Late submittals will not be accepted.

1. Addition: Tree Disposition Plans were inadvertently left out of the revised plan set. Attached are sheets L1.01 and L1.02 which indicate proposed tree and palm removal and replacement.

Any questions regarding this Addendum No. 3 should be submitted in writing to the Procurement Administrator at bids@msvfl.gov.

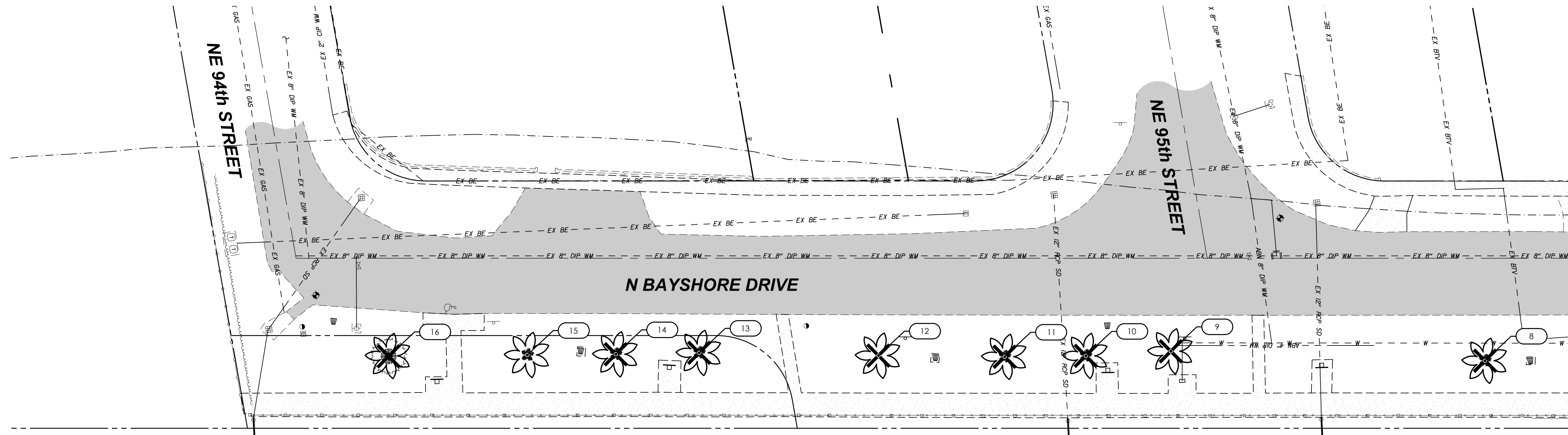
Sincerely,

Donna Rockfeld

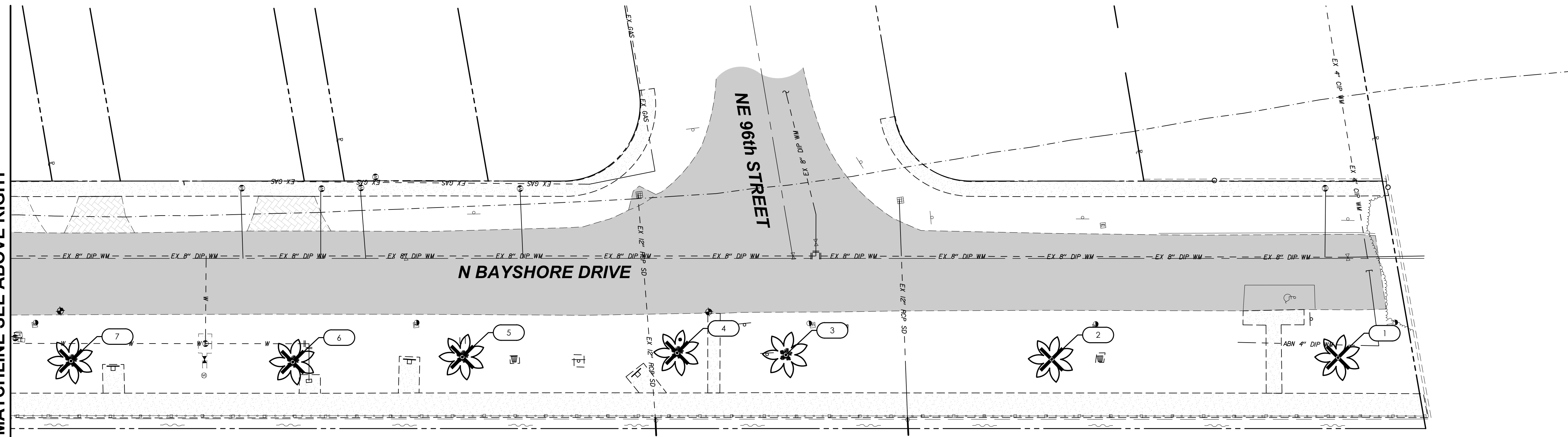
Donna Rockfeld
Procurement Administrator

Plot Date: 10/16/2024 9:08:39 AM Username: hlynch Layout Name: L1.01
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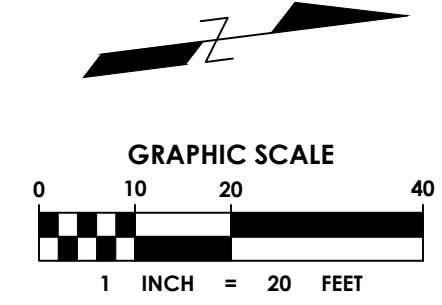
MATCHLINE SEE ABOVE RIGHT



BISCAYNE BAY



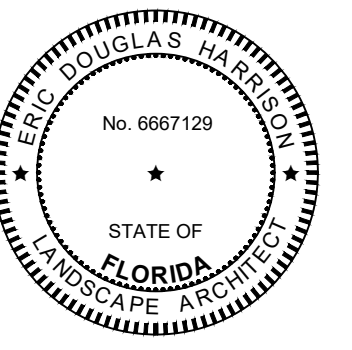
BISCAYNE BAY



TREE DISPOSITION LEGEND

SYMBOL	DESCRIPTION
	EXISTING TREE TO REMAIN
	EXISTING CONIFER TO REMAIN
	EXISTING PALM TO REMAIN
	EXISTING TREE TO BE REMOVED

MATCHLINE SEE BELOW LEFT



CLIENT



PROJECT INFORMATION

MIAMI SHORES VILLAGE BAYFRONT PARK

9599 N BAYSHORE DRIVE MIAMI SHORES, FLORIDA

PROJECT NUMBER
 23-0428.00001

CLIENT PROJECT NUMBER

VERIFY SCALES

0 1"
 IF NOT ONE INCH ON THIS SHEET,
 ADJUST SCALES ACCORDINGLY

REVISIONS

DATE OF ISSUE
 JUNE 2024

DESIGNED BY
 MSB

DRAWN BY
 MSB

CHECKED BY
 MSB

DRAWING TITLE

TREE DISPOSITION PLANS

DRAWING NUMBER
L1.01
 L1.01 OF 11



Call 811 or visit sunshine811.com two full business days before digging to have buried facilities located and marked. Check positive response codes before you dig!

PERMIT SET

ROOT PRUNING, OPERATIONS & CARE FOR TREES SLATED FOR RELOCATION

1. ROOT PRUNING AND WATERING PRIOR TO CONSTRUCTION:

- 1.1. TREE ROOT PRUNING AND TRIMMING SHALL BE PERFORMED UNDER THE SUPERVISION OF A CERTIFIED & LICENSED ARBORIST.
- 1.1.1. ROOT PRUNE TREES PER AT SPECIFIED SCHEDULE BELOW, THOROUGHLY WATER THE ROOT ZONE WITH AT LEAST 2 TO 3 INCHES OF WATER FOR 2 TO 3 DAYS PRIOR TO ROOT PRUNING. SEE BELOW FOR RELOCATION TIMELINE.
- 1.1.2. PROVIDE TEMPORARY IRRIGATION FOR EACH TREE THROUGHOUT THE DURATION OF CONSTRUCTION.
- 1.1.3. ROOT PRUNE TREES SHOWN ON PLAN IN AREAS WHERE ROOTS WILL CONFLICT WITH CONSTRUCTION ACTIVITY. PRUNING OF ROOTS SHOULD BE DONE IN A MANNER TO PRESERVE THE GREATEST AMOUNT OF THE ROOT BASE AS POSSIBLE.
- 1.1.4. BACKFILL TRENCH WITH PLANTING SOIL.
- 1.2. ROOT PRUNING SHALL BE ACCOMPLISHED BY DIGGING A TRENCH AROUND THE TREE IN AREAS WHERE PROPOSED SITE WORK WILL BE PERFORMED. TRENCHING SHALL BE AT A MINIMUM OF 24" DEEP. ROOT PRUNE ONLY WITH A MECHANICAL ROOT PRUNING SAW OR A TRENCHER WITH A MAXIMUM TRENCH WIDTH OF 8".
- 1.3. ALL EXPOSED ROOTS SHALL BE CUT OFF SMOOTHLY, WITH SHARP INSTRUMENTS. BACKFILL TRENCHES WITH SOIL CONSISTING OF 30% SILICA SAND AND 70% MUCK. WATER THOROUGHLY AFTER ROOT PRUNING, AND ONCE WEEKLY DURING THE ROOT REGENERATION PERIOD, WITH A SOLUBLE FERTILIZER THAT HAS A 20:20:20 ANALYSIS AT MANUFACTURER'S RECOMMENDED RATE.
- 1.4. FOLLOWING ROOT PRUNING, APPLY MULCH TO A DEPTH OF THREE (3) INCHES OVER ROOT BALL. DO NOT MULCH WITHIN THREE (3) INCHES OF THE TRUNK FLARE.

2. BRACING AND GUYING OF TREES AFTER ROOT PRUNING

- 2.1. ALL DICOTYLEDONOUS TREES TO BE RELOCATED SHALL BE ROOT PRUNED IN ACCORDANCE WITH THE SCHEDULE PROVIDED.

CALIPER INCHES	MINIMUM WAITING PERIOD
4"	2 MONTHS
5"	3 MONTHS
6"	4 MONTHS
8"	4 MONTHS
10"	4 MONTHS

ALL DICOTYLEDONOUS TREES TO BE RELOCATED SHALL BE ROOT PRUNED PER THE MINIMUM WAITING PERIOD PRIOR TO RELOCATION ON TWO OPPOSING SIDES, AND ROOT PRUNED ON THE TWO REMAINING SIDES AS FOLLOWS:
 ONE (1) MONTH AFTER INITIAL ROOT PRUNING FOR TREES WITH A TRUNK DIAMETER OF 10" OR SMALLER.
 ONE AND ONE HALF (1.5) MONTHS AFTER INITIAL ROOT PRUNING FOR TREES WITH A TRUNK DIAMETER BETWEEN 11"-14".
 TWO (2) MONTHS AFTER INITIAL ROOT PRUNING FOR TREES WITH A TRUNK DIAMETER OF 17" OR GREATER.

2.2. ALL PALMS TO BE RELOCATED SHALL BE ROOT PRUNED AND RELOCATED ON THE SAME DAY

2.3. BRACING AND GUYING OF TREES AFTER ROOT PRUNING

- 2.3.1. BRACING AND GUYING SHALL BE PROVIDED TO ASSURE THE TREES' STABILITY DURING THE ROOT REGENERATION PERIOD; AS PER THE APPLICABLE DETAILS.
- 2.3.2. ROOT BALL SIZES FOR TREES UNDER TEN (10) INCH CALIPER SHALL BE PER MINIMUM STANDARDS SET FORTH IN FLORIDA STATUTES AND STANDARDS FOR NURSERY PLANTS, FLORIDA DEPARTMENT OF AGRICULTURE. ROOT BALL DEPTH SHOULD BE AT LEAST TWO INCHES (2") THE ROOTBALL DIAMETER.

CALIPER INCHES	MINIMUM ROOT BALL DIAMETER
4	40 INCHES
5	44 INCHES
6	52 INCHES
8	54 INCHES
10	56 INCHES

1. MINIMUM SIZE ROOT BALL DIAMETER PROVIDED SHALL BE 10 INCHES FOR EVERY EACH OF TRUNK DIAMETER (DBH) DURING THE SUMMER/GROWING SEASON.
 2. MINIMUM SIZE ROOT BALL DIAMETER PROVIDED SHALL BE 15 INCHES FOR EVERY EACH OF TRUNK DIAMETER (DBH) DURING THE WINTER/DORMANT SEASON.
 ROOT BALL DIAMETERS AND DEPTH AS DETERMINED BY THE CONTRACTOR'S SUPERVISING CERTIFIED ARBORIST FOR EACH SPECIES, SIZE OF TREE AND FOR SITE CONDITIONS AT ORIGINAL AND TRANSPORTATION RECEIVING LOCATIONS. THESE EVALUATIONS SHALL BE INCLUDED WHEN SUBMITTING THE LIST OF EQUIPMENT, PROCEDURES, LABOR FORCE ETC. FOR APPROVAL BY THE FREEDOMSH CONSULTANT.

3. TRANSPORTATION

- 4.1. TRANSFERRING SHALL CONSIST OF ON SITE OR OFF SITE TRANSPLANTING OF EXISTING TREES OR PALMS FROM PROPOSED CONSTRUCTION AREAS TO PERMANENT POSITIONS AS NOTED ON THE LANDSCAPE PLAN.
- 4.2. DIGGING, WRAPPING, AND HANDLING PLANTS SHALL BE DONE AND PREPARED FOR MOVING IN A MANNER THAT WILL NOT CAUSE DAMAGE TO BRANCHES, SHAPE, ROOT SYSTEM, AND FUTURE DEVELOPMENT.
- 4.3. BALLED AND BURGLAPPED PLANTS:
- 4.3.1. BALLS SHALL BE TIGHTLY WRAPPED WITH BURLAP OR ACCEPTED SUBSTITUTE PROPOSED IN THE PROCEDURE SUBMITTAL PRIOR TO START OF WORK.
- 4.3.2. HO BALLED PLANT WILL BE ACCEPTABLE IF THE BALL IS CRACKED AND BROKEN OR IF THE STEM OR TRUNK IS LOOS IN THE BALL, EITHER BEFORE OR DURING TRANSPORTING.
- 4.3.3. BALLED PLANTS SHALL BE LIFTED AND HANDLED FROM THE BOTTOM OF THE BALL.
- 4.3.4. PROTECT BALL AND GUYING TO THE SITE, PLANT WAREHOUSE, AND WATER THOROUGHLY.
- 4.3.5. BALL SIZES SHALL BE AS OUTLINED IN THE ROOT PREPARATION SECTION OF THIS DOCUMENT.
- 4.4. LIFTING METHOD:
STRAPPING METHOD UTILIZING A CRANE OR OTHER CONSTRUCTION EQUIPMENT SUITABLE FOR ON-SITE TRANSPORTATION OF THE TREES.
- 4.5. RESULTING TREE PITS OF RELOCATED MATERIAL SHALL BE BACKFILLED WITH CLEAN FILL AND BROUGHT BACK FLUSH WITH SURROUNDING GRADE. STABILIZE GRADE IF REQUIRED. CORRECT PROBLEMS CAUSED BY EROSION, WIND, ETC. IN THE RECLAIMED AREA. PITS SHALL BE SURROUNDED BY SAFETY BARRICADES TO PREVENT ACCIDENTAL FALLS-HIT PITS.
- 4.6. ANY TREES SCARRED OR DESTROYED WILL BE REPLACED AT THE CONTRACTOR'S EXPENSE, WITH SIMILAR SPECIES, SIZE AND QUALITY.

5. GUYING TREES

- 5.1. RELOCATED MATERIAL:
- 5.1.1. PLANTING STANDARD: PERFORM PLANTING ACCORDING TO ANSI A300 (PART 4) UNLESS OTHERWISE INDICATED.
- 5.1.2. RELOCATE TREES TO THE NEAREST AVAILABLE OPEN SPACE RELOCATED TO THE PROPOSED CONSTRUCTION LOCATION.
- 5.1.3. BEFORE PLANTING, VERIFY THAT ROOT FLARE IS VISIBLE AT TOP OF ROOT BALL. IF ROOT FLARE IS NOT VISIBLE, CAREFULLY REMOVE SOIL IN A LEVEL MANNER FROM THE ROOT BALL TO WHERE THE TOP MOST ROOT EMERGES FROM THE TRUNK. AFTER SOIL REMOVAL, EXPOSE THE ROOT FLARE, VERIFY THAT ROOT BALL STILL MEETS SIZE REQUIREMENTS AND PLANTING HOLE DEPTH IS APPROXIMATE PLANTING STANDARD. PERFORM PLANTING ACCORDING TO ANSI A300 (PART 4) UNLESS OTHERWISE INDICATED.
- 5.1.4. INSURE PROPER PLANTING PITS SHALL BE FRESHENED WITH WATER BEFORE TRANSPORTATION/PLANTING STANDARD; PERFORM PLANTING ACCORDING TO ANSI A300 (PART 4) UNLESS OTHERWISE INDICATED.
- 5.1.5. ENSURE THAT ROOT FLARE IS VISIBLE AFTER PLANTING.
- 5.1.6. ORIENTATION: POSITION THE TREE SO THAT ITS NORTH SIDE, MARKED BEFORE EXTRACTING, IS FACED NORTH IN ITS NEW LOCATION.
- 5.1.7. PLANTING STANDARD: PERFORM PLANTING ACCORDING TO ANSI A300 (PART 4) UNLESS OTHERWISE INDICATED.
- 5.1.8. ORIENTATION: POSITION THE TREE SO THAT ITS NORTH SIDE, MARKED BEFORE EXTRACTING, IS FACED NORTH IN ITS NEW LOCATION.
- 5.1.9. TREES SHALL BE PLANTED IN PITS TO SUCH A DEPTH THAT THE ROOT FLARE AT THE PLANT AFTER SETTLEMENT WILL BE TWO INCHES (2") ABOVE THAT AT WHICH THE PLANT IS CURRENTLY GROWING. TREES SHALL BE PLANTED UPRIGHT WITH TRUNKS PLUMB AND FACED AREAS AS DESCRIBED IN THE "ORIENTATION" ARTICLE ABOVE.
- 5.1.10. TIE A TWO FOOT (2') RODS TO A DEPTH OF 4" AROUND TREE AFTER TRANSPORTING TO HAVE LOOSENED SOIL FOR NEW ROOTS TO ESTABLISH.
- 5.1.11. A SANDFILL SHALL BE FORMED EXTENDING TWENTY FOUR (24) INCHES BEYOND EACH EDGE OF ROOTBALL PLANTING PIT TO COVER TILLED AREA.
- 5.1.12. AT TIME OF PLANTING, FILL AIR POCKETS AND KEEP ROOTS, ESPECIALLY FEEDER ROOTS, MOSTLY LIVE, AND HEALTHY. USE SOIL NEEDLES FOR WATERING NEW TRANSPLANTS.
- 5.1.13. TREES SHALL BE THOROUGHLY WATERED IMMEDIATELY AFTER PLANTING, CONTINUE WATERING AND CARING FOR RELOCATED MATERIAL AS SPECIFIED.

6. TREE DEMOLITION

- 6.1. TREES SIX INCHES (6") OR LESS
- 6.1.1. STAKE AND GUY DESIGNATED MATERIAL PER PROCEDURES DESCRIBED FOR NEW PLANT MATERIALS PER LANDSCAPE PLANNING DETAILS PROVIDED.
- 6.2. TREES NINE INCHES (9") OR GREATER
- 6.2.1. SITE FABRICATED GUYING METHOD
- 6.2.1.1. ANCHOR GUYS TO WOOD DEADENDS BURRED AT LEAST THIRTY SIX (36) INCHES BELOW GRADE. PROVIDE TURNBUCKLE FOR EACH GUY WIRE AND TIGHTEN SECURELY.
- 6.2.1.2. SUPPORT TREES WITH BANKS OF BERMES TIED AT CONTACT POINTS WITH TREE TRUNK AND REACHING TO TURNBUCKLE. ALLOW ENOUGH SLACK TO AVOID ROPE RESTRAINT OF TREE.
- 6.2.1.3. SUPPORT TREES WITH STRANDES OF CABLE OR MULTIPLE STRANDES OF THE WIRE, CONNECTED TO THE BRASS GRADUETS OF TREE-RE WEBBING AT CONTACT POINTS WITH TREE TRUNK AND REACHING TO TURNBUCKLE. ALLOW ENOUGH SLACK TO AVOID ROPE RESTRAINT OF TREE.
- 6.2.1.4. ATTACH FLAGS TO EACH GUY WIRE, 30 INCHES ABOVE FRESH GRADE.
- 6.2.1.5. PAINT TURNBUCKLES WITH UNWORN-CORF PAINT.
- 6.2.2. PROPERTY STAKING & GUYING DEVICE INSTALL STAKING AND GUYING SYSTEM AND POSITIONED AS RECOMMENDED BY MANUFACTURER UNLESS OTHERWISE INDICATED AND ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS.

7. WATERING

- 7.1. FOLLOWING: TRANSPLANTATION, WATER TREES AS NOTED OR AS DIRECTED BY THE CONTRACTOR'S CONSULTING ARBORIST.
- 7.1.1. FOLLOWING TRANSPLANTATION, WATER TREES DAILY FOR THE FIRST SIX (6) WEEKS, EVERY OTHER DAY FOR THE FOR THE FOLLOWING SIX (6) MONTHS.
- 7.1.2. APPLY THREE GALLONS PER INCH TRUNK CALIPER TO THE ROOT BALL SURFACE. APPLY WATER IN A MANNER SO ALL WATER SOAKS THE ENTIRE ROOT BALL. SUPPLEMENTAL WATERING MAY BE REQUIRED/ADJUSTED FOR HIGH AMBIENT TEMPERATURES OR DURING PERIODS OF DROUGHT. DO NOT WATER IF ROOT BALL IS SATURATED.
- 7.1.3. PROVIDE MANUAL WATERING OF RELOCATED PLANT MATERIALS AT IRRIGATION/TEMPORARY IRRIGATION SYSTEM IS NOT IN PLACE AT THE TIME OF TREE RELOCATION(S). CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE REMOVAL OF ALL TEMPORARY WATERING SYSTEMS.

8. ROOT ZONE PROTECTION

- 8.1. DURING THE ENTIRE CONSTRUCTION PERIOD ALL REASONABLE EFFORTS SHALL BE MADE TO PROTECT THE ROOT ZONE FROM DAMAGE. TREE PROTECTION BARRICADING SHALL BE ERCTED AROUND THE TREES. ALL PLANT MATERIAL DESIGNATED TO BE SAVED, OR OUTSIDE OF THE LIMITS OF CONSTRUCTION, SHALL BE PROTECTED DURING CONSTRUCTION WORK. WORK UNDER THESE ITEMS WILL INCLUDE CONSTRUCTION AND MAINTENANCE OF TEMPORARY BARRICADE FENCING TO PROTECT THE ROOT ZONES OF EXISTING TREES AND OTHER PLANTINGS.
- 8.2. A PROTECTION BARRIER OR TEMPORARY FENCE OF AT LEAST 4 FEET IN HEIGHT SHALL BE INSTALLED AROUND EACH TREE TO BE PROTECTED AND PRESERVED. THE TREE PROTECTION SHALL BE INSTALLED PRIOR TO THE ACTUAL CONSTRUCTION START AND MAINTAINED FOR THE DURATION OF THE PROJECT.
- 8.3. TREE BARRICADE FENCING SHALL BE AS PER THE APPLICABLE DETAILS.
- 8.4.

ROOT PRUNING, OPERATIONS & CARE FOR TREES SLATED FOR RELOCATION

ROOT PRUNING IS THE CUTTING OF ROOTS TO ACCOMMODATE THE PROPOSED INFRASTRUCTURE AND SITE IMPROVEMENTS. ROOT PRUNING SHALL BE PERFORMED PRIOR TO DEMOLITION ACTIVITIES ASSOCIATED WITH, BUT NOT LIMITED TO CLEARING/GROOMING, BUILDING DEMOLITION, EXCAVATION OR TRENCHING FOR INFRASTRUCTURE, PAVING, SITE WORK, ETC. . IN SITUATION WHERE ROOT PRUNING IS REQUIRED, THE WORK SHALL BE CONDUCTED BY OR UNDER THE SUPERVISION OF AN QA CERTIFIED ARBORIST AND IN ACCORDANCE WITH ANSI STANDARDS. PRIOR TO ROOT PRUNING, THE TREES SHALL BE EVALUATED BY THE CONTRACTOR'S CONSULTING QA CERTIFIED ARBORIST TO DETERMINE WHETHER THE ROOT CUTTING WILL DESTABILIZE THE TREE OR CAUSE UNACCEPTABLE DAMAGE TO THE TREE. THE ROOT PRUNING REQUIREMENTS BELOW ARE MEANT TO SERVE AS A GUIDE FOR IMPLEMENTATION; THE CONSULTING ARBORIST SHALL BE RESPONSIBLE FOR FINAL DETERMINATIONS AND IMPLEMENTATION OF ROOT PRUNING PROCEDURES.

1. ROOTS MAY NOT BE TOUCH WITH POWER EQUIPMENT, AND CUT ROOTS SHALL NOT BE LEFT WITH RIPPED, RAGGED OR SHREDDED ENDS. ROOTS MUST BE CLEANLY SEVERED WITH SHARP HAND TOOLS OR POWER ROOT SAWS.
2. PRUNING TRENCHES SHALL BE BACKFILLED WITH NATIVE SOILS OF DEBRIS.
3. WHEN A ROOT WITH A DIAMETER OF TWO INCHES OR GREATER IS ENCOUNTERED, A FINAL CLEAN CUT SHALL BE MADE WITH A SAW. THE CUT SHALL BE MADE FLUSH WITH THE SIDE OF THE TRENCH CLOSEST TO THE TREE.
4. WHEN UNDESIRABLE NEW GROWING, UNCORRECTED GRAVED AREAS OR GRADES CRACKS OR AREAS ADJACENT TO REQUIRED EXCAVATION, ROOTS SHALL BE CUT NO MORE THAN 6 INCHES TOWARDS THE TREE FROM THE BACK OF THE CURB, THE EDGE OF THE PAVEMENT, OR THE POINT OF INTERSECTION OF OLD AND NEW GRADES, RESPECTIVELY. AFTER ROOT PRUNING, NO EXCAVATION OR FORM OR FOR ANY OTHER REASON, MAY BE PERFORMED ANY CLOSER THAN SIX INCHES OUTSIDE OF THE ROOT PRUNING CUT. THE ROOT PRUNING TRENCH SHALL BE BACKFILLED WITH NATIVE SOIL.
5. IF IS THE RESPONSIBILITY OF THE CONTRACTOR TO IDENTIFY TREES IN NEED OF SUPPLEMENTAL SUPPORT FOLLOWING ROOT PRUNING, PRIOR TO COMMENCEMENT OF ROOT PRUNING, THE CONTRACTOR SHALL FURNISH A SUPPLEMENTAL SUPPORT PLAN WHICH IDENTIFIES EACH TREE IN NEED OF TEMPORARY SUPPLEMENTAL SUPPORT AND PROPOSE A STABILIZING SYSTEM. THE CONTRACTOR SHALL INSTALL THE APPROVED SUPPORT SYSTEMS IMMEDIATELY FOLLOWING ROOT PRUNING PER THE RECOMMENDATIONS OF THEIR CONSULTING ARBORIST.
- 5.1.

TREE DISPOSITION NOTES

1. **ROOT PRUNING AND WATERING PRIOR TO CONSTRUCTION:**
 - 1.1. TREE ROOT PRUNING AND TRIMMING, SHALL BE PERFORMED UNDER THE SUPERVISION OF A CERTIFIED & LICENSED ARBORIST.
 - 1.2. ROOT PRUNE TREES A MINIMUM OF EIGHT (8) WEEKS PRIOR TO CONSTRUCTION, PRIOR TO ROOT PRUNING, THOROUGHLY WATER THE ROOT ZONE WITH AT LEAST 2 TO 3 INCHES OF WATER FOR 2 TO 3 DAYS PRIOR TO ROOT PRUNING. SEE BELOW FOR RELOCATION TIMELINE.
 - 1.2.1. PROVIDE TEMPORARY IRRIGATION FOR EACH TREE THROUGHOUT THE DURATION OF CONSTRUCTION.
 - 1.2.2. ROOT PRUNE TREES, SHOWN ON PLAN IN AREAS WHERE ROOTS WILL CONFLICT WITH CONSTRUCTION ACTIVITY. PRUNING OF ROOTS SHOULD BE DONE IN A MANNER TO PRESERVE THE GREATEST AMOUNT OF THE ROOT BASE AS POSSIBLE.
 - 1.2.3. BACKFILL TRENCH WITH PLANTING SOIL.
 - 1.2.4. FERTILIZE WITHIN THE ROOT ZONE (SEE NOTE 1.4).
 - 1.3. ROOT PRUNING SHALL BE ACCOMPLISHED BY DIGGING A TRENCH AROUND THE TREE IN AREAS WHERE PROPOSED SITE WORK WILL BE PERFORMED. TRENCHING SHALL BE AT A MINIMUM OF 24" DEEP. ROOT PRUNE ONLY WITH A MECHANICAL ROOT-PRUNING SAW OR A TRENCHER WITH A MAXIMUM TRENCH WIDTH OF 8".
 - 1.4. ALL EXPOSED ROOTS SHALL BE CUT OFF SMOOTHLY, WITH SHARP INSTRUMENTS. BACKFILL TRENCHES WITH SOIL CONSISTING OF 30% SILICA SAND AND 70% MUCK. WATER THOROUGHLY AFTER ROOT PRUNING, AND ONCE WEEKLY DURING THE ROOT REGENERATION PERIOD, WITH A SOLUBLE FERTILIZER THAT HAS A 20:20:20 ANALYSIS AT MANUFACTURER'S RECOMMENDED RATE.
2. **BRACING AND GUYING OF TREES AFTER ROOT PRUNING**
 - 2.1. BRACING AND GUYING SHALL BE PROVIDED TO ASSURE THE TREES' STABILITY DURING THE ROOT REGENERATION PERIOD; AS PER THE APPLICABLE DETAILS(S).
3. **ROOT ZONE PROTECTION**
 - 3.1. DURING THE ENTIRE CONSTRUCTION PERIOD ALL REASONABLE EFFORTS SHALL BE MADE TO PROTECT THE ROOT ZONE FROM DAMAGE. TREE PROTECTION BARRICADING SHALL BE ERCTED AROUND THE TREES. ALL PLANT MATERIAL DESIGNATED TO BE SAVED, OR OUTSIDE OF THE LIMITS OF CONSTRUCTION, SHALL BE PROTECTED DURING CONSTRUCTION WORK. WORK UNDER THESE ITEMS WILL INCLUDE CONSTRUCTION AND MAINTENANCE OF TEMPORARY BARRICADE FENCING TO PROTECT THE ROOT ZONES OF EXISTING TREES AND OTHER PLANTINGS.
 - 3.2. A PROTECTION BARRIER OR TEMPORARY FENCE OF AT LEAST 4 FEET IN HEIGHT SHALL BE INSTALLED AROUND EACH TREE TO BE PROTECTED AND PRESERVED. THE TREE PROTECTION SHALL BE INSTALLED PRIOR TO THE ACTUAL CONSTRUCTION START AND MAINTAINED FOR THE DURATION OF THE PROJECT.
 - 3.3. TREE BARRICADE FENCING SHALL BE AS PER THE APPLICABLE DETAIL(S).

TREE DISPOSITION CHART

TREE ID¹	SCIENTIFIC NAME²	COMMON NAME²	DBH³ (INCH)	Spread² (ft)	Height² (ft)	Canopy Area To Be Removed (sf)	CONDITION²	NOTES²	DISPOSITION
1	Cocos nucifera	Coconut Palm	12	24	39	452	Good (61% to 80%)	Nutrient Deficiency	REMOVE AND REPLACE
2	Cocos nucifera	Coconut Palm	9	20	31	314	Fair (41% to 60%)	Nutrient Deficiency	REMOVE AND REPLACE
3	Cocos nucifera	Coconut Palm	13	23	39		Good (61% to 80%)	Nutrient Deficiency	RELOCATE
4	Cocos nucifera	Coconut Palm	13	20	41	314	Good (61% to 80%)	Nutrient Deficiency	REMOVE AND REPLACE
5	Cocos nucifera	Coconut Palm	10	20	24	314	Fair (41% to 60%)	Nutrient Deficiency	REMOVE AND REPLACE
6	Cocos nucifera	Coconut Palm	9	19	27	283	Good (61% to 80%)	Nutrient Deficiency	REMOVE AND REPLACE
7	Cocos nucifera	Coconut Palm	13	22	37	380	Good (61% to 80%)		REMOVE AND REPLACE
8	Cocos nucifera	Coconut Palm	10	20	34	314	Good (61% to 80%)		REMOVE AND REPLACE
9	Cocos nucifera	Coconut Palm	13	25	37	491	Good (61% to 80%)		REMOVE AND REPLACE
10	Cocos nucifera	Coconut Palm	14	24	41	452	Good (61% to 80%)		REMOVE AND REPLACE
11	Cocos nucifera	Coconut Palm	13	25	39	491	Good (61% to 80%)	Nutrient Deficiency	REMOVE AND REPLACE
12	Cocos nucifera	Coconut Palm	12	21	34	346	Fair (41% to 60%)	Nutrient Deficiency	REMOVE AND REPLACE
13	Cocos nucifera	Coconut Palm	9	18	34	254	Good (61% to 80%)	Nutrient Deficiency	REMOVE AND REPLACE
14	Cocos nucifera	Coconut Palm	9	18	30	254	Good (61% to 80%)		REMOVE AND REPLACE
15	Cocos nucifera	Coconut Palm	10	19	29		Good (61% to 80%)	Nutrient Deficiency	RELOCATE
16	Pandanus utilis	Screw Pine	15	20	22 ³	314	Good (61% to 80%)		REMOVE AND REPLACE

TOTAL CANOPY AREA TO BE REMOVED 4,974

¹TREES SHOWN ON THIS TABLE LOCATED WITHIN LIMITS OF CONSTRUCTION, REFER TO SURVEY FOR ADDITIONAL RECORD SURVEY INFORMATON.

²CALCULATIONS, OBSERVATIONS, RECORDED BY CMA ON 2023-4-5

³HEIGHT FOR COCONUT PALMS IS CLEAR TRUNK HEIGHT, WHILE HEIGHT FOR SCREW PINE IS OVERALL HEIGHT

REPLACEMENT TREES/PALMS

Scientific/Common Name	Size At Installation	Quantity	Replacement (sf)	Total Replacement (sf)
Cocos nucifera/Coconut Palm	20' OAH, Straight Trunk	15	300	4,500
Pandanus utilis/Screw Pine	12' OAH, 6' SPR, Minimum, 3" DBH	1	500	500

REPLACEMENT TREES/PALMS TOTAL CANOPY (SF)	5,000
TOTAL CANOPY AREA TO BE REMOVED (SF)	4,974
TOTAL CANOPY REPLACEMENT SURPLUS (SF)	26

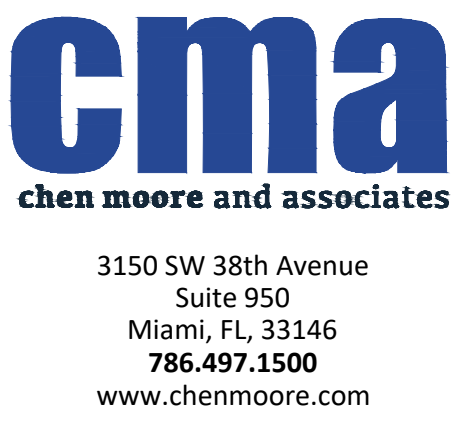
Minimum standards for replacement trees:

All category 1 replacement shade trees shall be a minimum of twelve (12) feet in height at the time of planting and at maturity should have a canopy coverage of five hundred (500) square feet under normal growing conditions.

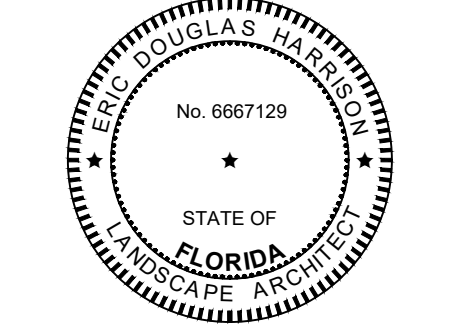
All category 1 replacement palm trees shall have a minimum height of ten (10) feet at the time of planting and at maturity should have a canopy coverage of three hundred (300) square feet under normal growing conditions.

Tree/Palm Replacement Note:

Contractor to remove and replace trees scheduled to be removed (refer to plan) in kind and at the quantities listed above. Installation of replacement screw pine should be installed at the same approximate location as the removal. Replacement coconut palms should be equaly spaced in the across the project limits in alignment with the screw pine, parallel to the Biscayne Bay seawall.



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ERIC HARRISON, RLA
REGISTRATION NO. 6667129



PROJECT INFORMATION

MIAMI SHORES VILLAGE BAYFRONT PARK

9599 N BAYSHORE DRIVE MIAMI SHORES, FLORIDA

PROJECT NUMBER
23-0428.00001

CLIENT PROJECT NUMBER

VERIFY SCALES
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS

DATE OF ISSUE
JUNE 2024

DESIGNED BY
MSB

DRAWN BY
MSB

CHECKED BY
MSB

DRAWING TITLE

TREE DISPOSITION PLANS

DRAWING NUMBER
L1.02
L1.02 OF 11

PERMIT SET