GENERAL LANDSCAPE NOTES:

1. PLANT MATERIAL: ALL PLANT MATERIAL SHALL BE FLORIDA #1 OR BETTER AS ESTABLISHED BY "GRADES AND STANDARDS FOR NURSERY PLANTS" OF THE STATE OF FLORIDA (FL) , DEPARTMENT OF AGRICULTURE. UNLESS OTHERWISE NOTED, ALL TREES SHALL BE SINGLE LEADER, FIELD GROWN/BALLED & BURLAPPED (FG/BB); CONTAINER GROWN TREES ARE NOT ACCEPTABLE & WILL BE IMMEDIATELY REJECTED UPON INSPECTION. ANY CHANGES TO THE APPROVED LANDSCAPE PLAN SHALL BE APPROVED BY THE CITY FORESTER & LA OF RECORD. ALL SUBSTITUTIONS AND CHANGES SHALL BE APPROVED IN WRITING PRIOR TO INSTALLATION. ANY DISCREPANCIES BETWEEN PLANS, SITE AND SPECIFICATIONS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE LANDSCAPE ARCHITECT, THE OWNER AND GOVERNING MUNICIPALITY. OPTIONS FOR ALTERNATE SPECIES BASED ON LACK OF STATEWIDE AVAILABILITY SHALL BE FURNISHED TO LANDSCAPE ARCHITECT OF RECORD A MINIMUM OF 30 DAYS BEFORE COMMENCEMENT OF CONSTRUCTION; LACK OF AVAILABILITY WILL BE VERIFIED USING THE LATEST INDUSTRY ACCEPTED PUBLICATION LISTINGS. PLANT SPACING SHALL SUPERCEDE PLANT QUANTITY TO FILL THE BED FOR SHRUBS AND GROUNDCOVERS. THE LOCATION OF NEW SHRUB AND GROUNDCOVER PLANTINGS SHALL BE A MINIMUM OF 3 FEET FROM THE TRUNK FLARES OF EXISTING TREES TO BE PRESERVED. NEW SHRUB AND GROUNDCOVER PLANTINGS UNDER THE DRIPLINES SHALL BE INSTALLED BY HAND WITH CARE IN BETWEEN ROOTS 1" DIAMETER AND GREATER.

2. ALL TREES, SHRUBS AND GROUNDCOVERS SHALL, AT A MINIMUM, BE OF THE SIZES AS SPECIFIED IN THE PLANT LIST. WHERE THERE IS A DISCREPANCY EITHER IN QUANTITIES, PLANT NAMES, SIZES OR SPECIFICATIONS BETWEEN THE PLAN OR PLANT LIST, THE PLAN TAKES PRECEDENCE. QUANTITIES LISTED ON THE THE PLANT LIST ARE FOR ESTIMATING PURPOSES. CONTRACTOR SHALL VERIFY ALL QUANTITIES. MULCH, TOPSOIL, FERTILIZER, ETC. SHALL BE INCLUDED IN THE UNIT COST OF THE PLANTS. THE PLANTING PLAN SHALL BE INSTALLED IN COMPLIANCE WITH ALL EXISTING CODES AND APPLICABLE DEED RESTRICTIONS.

3. SOD: ALL AREAS NOT USED FOR BUILDINGS, VEHICULAR USE AREAS, WALKS OR PLANTING BEDS SHALL BE GRASSED. GRASSING SHALL EXTEND TO ANY ABUTTING STREET PAVEMENT EDGE AND TO THE MEAN WATERLINE OF ANY ABUTTING CANAL, LAKE OR WATERWAY. STENOTAPHRUM SECUNDATUM, V. 'FLORITAM' UNLESS OTHERWISE NOTED (ST. AUGUSTINE SOLID SOD). PASPALUM NOTATUM 'ARGENTINE' ('ARGENTINE' BAHIA SOLID SOD) SHALL BE PROVIDED IN THE RIGHT-OF-WAYS & ON THE BANKS & BOTTOM OF DETENTION PONDS. OFFSITE DISTURBED AREAS SHALL BE RE-SODDED TO MATCH EXISTING. ALL AREAS DISTURBED BY CONSTRUCTION & NOT NOTED TO HAVE SHRUBS OR GROUNDCOVERS ON THE LANDSCAPE PLAN SHALL BE SODDED BY THE CONTRACTOR.

4. AMENDED PLANTING SOIL: PLANTING SOIL FOR USE IN BACK FILLING PLANTING HOLES SHALL BE FORTY PERCENT (40%) TOPSOIL AND SIXTY PERCENT (60%) SAND AND BE FERTILE, FRIABLE, AND OF A LOAMY CHARACTER, WITHOUT MIXTURE OF SUBSOIL MATERIALS, AND OBTAINED FROM A WELL-DRAINED, ARABLE SITE. IT SHALL CONTAIN THREE (3) TO FIVE (5) PERCENT DECOMPOSED ORGANIC MATTER AND SHALL BE FREE FROM HEAVY CLAY, COARSE SAND, STONES, LIME, LUMPS, PLANTS, ROOTS OR OTHER FOREIGN MATERIALS, OR NOXIOUS WEEDS. IT SHALL NOT CONTAIN TOXIC SUBSTANCES WHICH MAY BE HARMFUL TO PLANT GROWTH. PH RANGE SHALL BE 5.0 TO 7.0 INCLUSIVE. ALL PLANT MATERIAL TO RECEIVE PLANTING SOIL AS PER DETAILS & NOTES.

5. GENERAL RECOMMENDED PLANTING SOIL DEPTH: ALL TREES AND SHRUBS SHALL BE PLANTED WITH A MINIMUM OF 12" TOPSOIL AROUND AND BENEATH THE ROOTBALL. MINIMUM TOPSOIL SHALL BE 6" FOR GROUNDCOVER AREAS AND 2" FOR SODDED GRASS AREAS. THIS IS IN ADDITION TO A MINIMUM OF 10" OF UNDISTURBED OR NATIVE SOIL THAT WAS STORED/STOCKPILED ON SITE AND REUSED, OR CLEAN IMPORTED PLANTING SOIL WITH A RANGE OF ORGANIC MATTER BETWEEN 3-5% WITH NO STONES GREATER THAN AN INCH AND A HALF IN DIAMETER IN ANY DIRECTION. TOPSOIL DEPTHS PLUS PLANTING SOIL/EXISTING NATIVE SOIL MINIMUM DEPTHS ARE IN ADDITION TO ANY LIMESTONE/ LIMEROCK SUBGRADE, & IN ADDITION TO EXCAVATION WIDTHS REQUIRED FOR TREE PITS AS SHOWN ON THE PLANTING DETAILS. TREE PITS SHALL BE EXCAVATED & BACKFILLED TO A MINIMUM DEPTH OF 30".

6. CONTRACTOR TO NOTIFY "SUNSHINE STATE ONE CALL OF FLORIDA, INC." AT 1-800-432-4770 TWO FULL BUSINESS DAYS PRIOR TO DIGGING FOR UNDERGROUND UTILITY LOCATIONS.

7. CONTRACTOR IS RESPONSIBLE FOR DETERMINING ALL UTILITY LOCATIONS AND INSTALLING FACILITIES SO AS TO NOT CONFLICT. ALL DAMAGE TO EXISTING UTILITIES OR IMPROVEMENTS CAUSED BY CONTRACTOR SHALL BE REPAIRED AT NO ADDITIONAL COST TO THE OWNER. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS IN THE FIELD AND REPORT ANY DISCREPANCIES IN THE SITE SURVEY OR DISPOSITION PLAN TO THE OWNER & LANDSCAPE ARCHITECT OF RECORD PRIOR TO STARTING WORK. ANY OVERHEAD POWERLINES, UNDERGROUND UTILITIES, EXISTING TREES, ETC. IN CONFLICT WITH PROPOSED LANDSCAPING, INCLUDING FPL RIGHT-TREE-RIGHT-PLACE GUIDELINES, SHALL BE REPORTED IMMEDIATELY TO THE OWNER'S REPRESENTATIVE OR DESIGNEE, AND TO THE LANDSCAPE ARCHITECT OF RECORD PRIOR TO SUBJECT PLANT MATERIAL INSTALLATION. FAILURE TO NOTIFY THE LANDSCAPE ARCHITECT & OWNER OF ANY DISCREPANCIES SHALL BE THE FULL RESPONSIBILITY OF THE CONTRACTOR AND WILL RESULT IN THE CONTRACTOR MOVING OR REPLACING THE PLANT MATERIAL AT THEIR OWN EXPENSE. LARGE MATURING SHADE TREES (THOSE THAT TYPICALLY GROW TO A SPREAD OR HEIGHT GREATER THAN 25 FEET) SHALL NOT BE PLANTED WITHIN 20 FEET OF ANY OTHER LARGE MATURING SHADE TREES UNLESS OTHERWISE SPECIFICALLY SHOWN ON THE LANDSCAPE PLAN. CONTRACTOR SHALL NOT WILLFULLY INSTALL PLANT MATERIALS IN CONFLICT WITH EXISTING OR PROPOSED SITE FEATURES.

8. ROOT BARRIER SPECIFICATIONS: ROOT BARRIERS SHALL BE PROVIDED FOR WHERE NEW TREES ARE TO BE INSTALLED ADJACENT TO PROPOSED UTILITIES, AS PRESCRIBED HEREIN AND BY THE MANUFACTURER. SEE ROOT BARRIER DETAIL ON THIS SHEET. PRODUCT SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS AND INSTRUCTIONS FOR ROOT CONTROL SYSTEMS. USE PRODUCT WHERE TREES ARE TO BE INSTALLED TEN FEET (10') OR LESS FROM HARDSCAPE SURFACES OR UNDERGROUND UTILITIES, INCLUDING BUT NOT LIMITED TO CURBS, SIDEWALKS, STEPS, ROADWAYS, WATER, DRAINAGE, EXFILTRATION TRENCH, & SEWER LINES. SMALL TREES THAT TYPICALLY MATURE AT 18' HEIGHT OR LESS REQUIRE ROOT BARRIERS WHERE SMALL TREES ARE WITHIN SIX FEET (6') OR LESS OF HARDSCAPE SURFACES OR UTILITIES. EXISTING TREES TO BE PRESERVED (WHERE THE EDGE ROOT FLARE IS LOCATED GREATER THAN TEN FEET (10') FROM ANY NEW HARDSCAPE AREAS OR UNDERGROUND UTILITIES) DO NOT REQUIRE ROOT BARRIERS. WHERE PROPOSED UNDERGROUND UTILITIES ARE TO BE INSTALLED 10 FEET OR LESS FROM THE ROOT FLARE OF EXISTING TREES, ROOT BARRIERS SHALL BE UTILIZED. ROOT BARRIERS ARE NOT REQUIRED WHERE PROPOSED TREES ARE LOCATED ADJACENT TO D-TYPE CURBING. THE USE OF ROOT BARRIERS SHALL BE MINIMUM 6' OVERALL LENGTH FROM THE CENTER OF THE TRUNK PARALLEL TO LINEAR FEATURES TO BE PROTECTED FOR SMALL TREES, OR MINIMUM 10' OVERALL LENGTH FROM THE CENTER OF THE TRUNK FOR MEDIUM TO LARGE MATURING SHADE TREES. MINIMUM LENGTHS OF ROOT BARRIER PRODUCTS MAY BE INCREASED (BUT NOT DECREASED) BASED ON LENGTH GRAPHICALLY DEPICTED ON PLAN, OR AT THE DISCRETION OF THE LANDSCAPE INSPECTOR. IN PARKING LOT ISLANDS ONLY, THE ROOT BARRIER LENGTH SHALL BE PROVIDED FOR THE FULL LENGTH OF FEATURE (UNDERGROUND UTILITY, STRUCTURE, OR PAVEMENT) TO BE PROTECTED. ROOT BARRIERS SHALL BE INSTALLED 1 FOOT HORIZONTAL DISTANCE FROM FEATURES TO BE PROTECTED.

9. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING FINAL GRADING OF ALL ASSOCIATED PLANTING AREAS. AFTER FINAL GRADE, AREA TO BE RAKED TO 6" DEPTH AND ALL ROCK AND FOREIGN INORGANIC MATERIALS REMOVED AND DISPOSED OF PROPERLY OFF-SITE.

10. ALL PLANTING HOLES TO BE HAND DUG EXCEPT WHERE MACHINE DUG HOLES WILL NOT ADVERSELY AFFECT OR DAMAGE UTILITIES OR IMPROVEMENTS. ALL TRENCHES & EXCAVATION REQUIRED FOR INSTALLATION OF UNDERGROUND UTILITIES OR IRRIGATION EQUIPMENT ADJACENT TO EXISTING TREES & VEGETATION TO BE PRESERVED SHALL BE HAND-DUG CAREFULLY AS FAR FROM THE TRUNK AS POSSIBLE.

11. NO PLUNGING OF ANY TREE OR PALM WILL BE ACCEPTED. TRUNK FLARE SHALL BE SET 1-2" ABOVE FINISH GRADE FOR ALL TREES & PALMS. ALL PLANTS TO BE PLANTED AT THE NURSERY GRADE OR SLIGHTLY HIGHER.

12. CONTRACTOR SHALL STAKE & GUY ALL TREES AND PALMS AT TIME OF PLANTING AS PER THE APPROPRIATE DETAIL. CONTRACTOR IS RESPONSIBLE FOR THE MAINTENANCE AND/OR REPAIR OF ALL STAKING AND GUYING DURING WARRANTY PERIOD AND REMOVAL & DISPOSAL OF STAKING AFTER ESTABLISHMENT PERIOD.

13. FERTILIZER FOR GRASS AREAS SHALL BE NPK 16-4-8 @ 12.5 LBS/1000 S.F. OR 545 LBS/ACRE. NITROGEN 50% SLOW RELEASE FORM & FERTILIZER TO INCLUDE SECONDARY MICRONUTRIENTS.

14. WATERING: ALL PLANT MATERIAL SHALL BE WATERED IN AT TIME OF PLANTING IN ACCORDANCE WITH STANDARD NURSERY PRACTICES. IN ADDITION, CONTRACTOR WILL CONTINUE WATERING OF PLANT MATERIAL UNTIL SUBSTANTIAL COMPLETION AND AS NEEDED THEREAFTER FOR A PERIOD OF 2 MONTHS.

15. ALL PLANTS AND PLANTING MATERIALS INCLUDED UNDER THIS CONTRACT SHALL BE MAINTAINED BY WATERING, CULTIVATING, SPRAYING, AND ALL OTHER OPERATIONS (SUCH AS RE)STAKING OR REPAIRING GUY SUPPORTS) NECESSARY TO INSURE A HEALTHY CONDITION BY THE CONTRACTOR UNTIL CERTIFICATION OF ACCEPTABILITY BY THE OWNER OR OWNER'S DESIGNEE. MAINTENANCE AFTER THE CERTIFICATION OF AN ACCEPTABILITY SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS IN THIS SECTION. CONTRACTORS AREREQUESTED TO PROVIDE A BID ESTIMATE TO COVER LANDSCAPE AND IRRIGATION MAINTENANCE FOR A PERIODOF NINETY (90) CALENDAR DAYS COMMENCING AFTER ACCEPTANCE

16. GUARANTEE: ALL NEW PLANT MATERIAL SHALL BE GUARANTEED FOR 1 YEAR FROM TIME OF FINAL ACCEPTANCE OF PROJECT. ANY PLANT MATERIAL NOT IN A HEALTHY GROWING CONDITION WILL BE REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER WITHIN 10 DAYS OF NOTIFICATION. FOR ALL REPLACEMENT PLANT MATERIAL, THE WARRANTY PERIOD SHALL BE EXTENDED AN ADDITIONAL 45 DAYS BEYOND THE ORIGINAL WARRANTY PERIOD. ALL TREES THAT LEAN OR ARE BLOWN OVER, CAUSED BY WINDS LESS THAN 75 MPH, WILL BE RE-SET AND BRACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. FINAL INSPECTION BY OWNER OR THEIR DESIGNEE AT THE END OF THE 1 YR GUARANTEE PERIOD SHALL INCLUDE PLANTING, CONSTRUCTION AND ALL OTHER INCIDENTAL WORK PERTAINING TO THIS CONTRACT. ANY PLANTS NOT MEETING THE CRITERIA OF HEALTHY, VIGOROUS, AND THRIVING AT THIS TIME, AND THAT HAVE NOT ALREADY BEEN REPLACED PREVIOUSLY UNDER SAID WARRANTY, SHALL BE SUBJECT TO THE SAME ONE (1) YEAR GUARANTEE (OR AS SPECIFIED BY THE OWNER IN WRITING) BEGINNING WITH THE TIME OF REPLACEMENT AND ENDING WITH THE SAME INSPECTION AND ACCEPTANCE HEREIN DESCRIBED.

17. THE SUCCESSFUL BIDDER SHALL FURNISH TO THE OWNER A UNIT PRICE BREAKDOWN FOR ALL MATERIALS.

18. NO PLANT MATERIAL WILL BE ACCEPTED SHOWING EVIDENCE OF CABLE, CHAIN MARKS, EQUIPMENT SCARS, OR OTHERWISE DAMAGED. PLANT MATERIAL WILL NOT BE ACCEPTED WHEN THE BALL OF EARTH SURROUNDING ITS ROOTS HAS BEEN CRACKED, BROKEN OR OTHERWISE DAMAGED.

19. ROOT-PRUNE ALL NEW TREES A MINIMUM OF (90) DAYS PRIOR TO PLANTING.

20. ALL LANDSCAPED AREAS WILL BE IRRIGATED BY AN UNDERGROUND, AUTOMATIC, RUST-FREE IRRIGATION SYSTEM PROVIDING 100% COVERAGE AND MINIMUM 50% SPRAY OVERLAP. THE SYSTEM SHALL BE MAINTAINED IN GOOD WORKING ORDER AND DESIGNED TO MINIMIZE WATER ON IMPERVIOUS SERVICES AND NOT OVERSPRAY WALKWAYS. A RAIN SENSOR DEVICE IS REQUIRED BY FL LAW & SHALL BE OPERATIONAL TO OVERRIDE THE IRRIGATION CYCLE OF THE SYSTEM WHEN ADEQUATE RAINFALL HAS OCCURRED.

21. ALL PLANT MATERIAL PLANTED WITHIN THE SIGHT DISTANCE TRIANGLE AREAS (SEE PLAN) SHALL PROVIDE UNOBSTRUCTED CROSS-VISIBILITY AT A HORIZONTAL LEVEL BETWEEN 30 INCHES AND 8 FEET ABOVE ADJACENT STREET GRADE.

23. NO CANOPY TREES SHALL BE PLANTED WITHIN 15 FEET OF A LIGHT POLE. NO PALM SPECIES SHALL BE PLANTED WITHIN 7.5 FEET OF A LIGHT POLE.

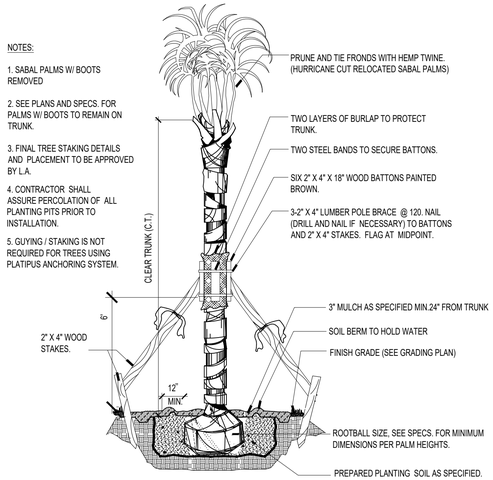
24. TREE PROTECTION BARRICADES SHALL BE PROVIDED BY LANDSCAPE CONTRACTOR AROUND EXISTING TREES THAT MAY BE IMPACTED BY THE PROPOSED CONSTRUCTION. PRIOR TO ANY CONSTRUCTION A TREE PROTECTION BARRICADE INSPECTION SHALL BE CONDUCTED BY THE LANDSCAPE ARCHITECT, OWNER OR GOVERNING MUNICIPALITY. REFER TO LANDSCAPE DETAIL FOR TREE PRESERVATION BARRICADE FENCING.

25. IN ALL PEDESTRIAN AREAS, ALL TREES AND PALMS SHALL BE MAINTAINED TO ALLOW FOR CLEAR PASSAGE AT AN 8 FOOT CLEAR TRUNK.

26. ALL LANDSCAPE MATERIAL SHALL BE SETBACK A MINIMUM OF 7.5 FEET FROM THE FRONT/SIDES AND 4 FEET FROM THE BACK ANY FIRE HYDRANT.

27. MULCH SHALL BE FROM SHREDDED WOOD DERIVED FROM MELALEUCA OR OTHER INVASIVE TREE SPECIES AND SHALL BE STERILIZED TO EFFECTIVELY ELIMINATE ALL SEEDS, SPORES, ETC. AND RENDER THEM BARREN. MULCH MATERIAL SHALL BE MOISTENED AT THE TIME OF APPLICATION TO PREVENT WIND DISPLACEMENT AND APPLIED AT A DEPTH OF THREE INCHES (3"). MULCH IS TO BE KEPT 2-3" FROM THE STEM OF ALL GROUNDCOVERS & 3-6" FROM THE TRUNK OF ALL TREES & PALMS. MULCH SHALL BE GRADE 'B' SHREDDED, AND SHALL BE APPLIED EVENLY AND SMOOTH TO PLANTED AREAS. NO RED OR COLORED MULCH SHALL BE ACCEPTED UNLESS SPECIFIED ACCORDINGLY. NO CYPRESS MULCH OR PINE BARK SHALL BE USED.

28. PLANTINGS SHALL BE INSTALLED IN COMPLIANCE WITH ALL EXISTING CODES AND APPLICABLE DEED RESTRICTIONS. WHERE DISCREPANCIES EXIST, JURISDICTIONAL CODES, STANDARDS, & REGULATIONS SHALL GOVERN.



1 PALM
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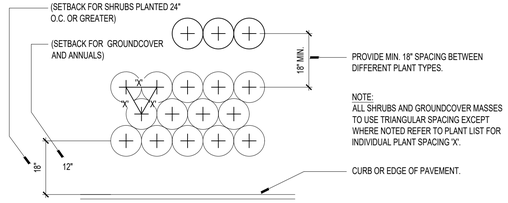

2 TYPICAL PLANT SPACING
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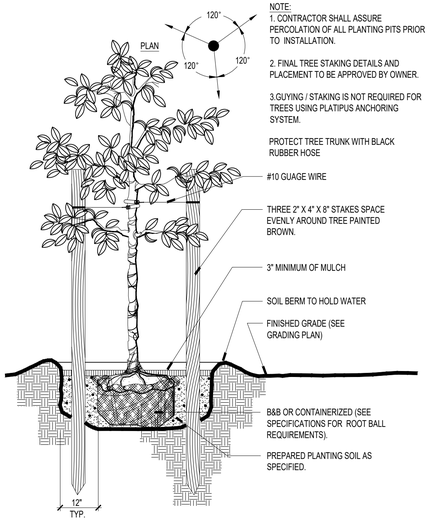

3 SMALL TREE
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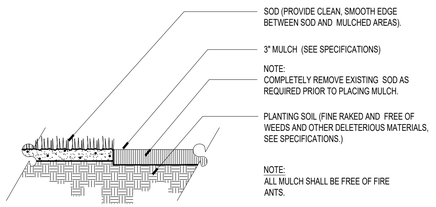

5 MULCH
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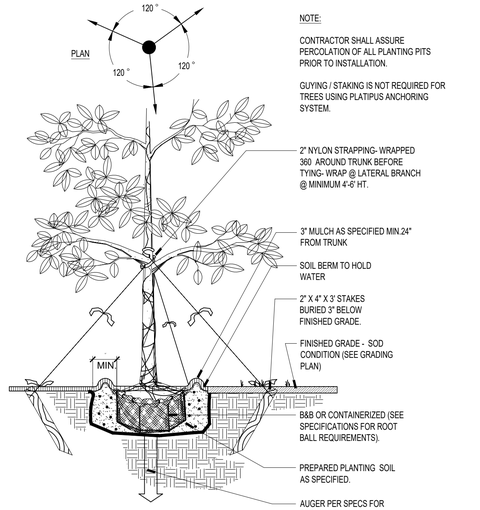

4 LARGE TREE
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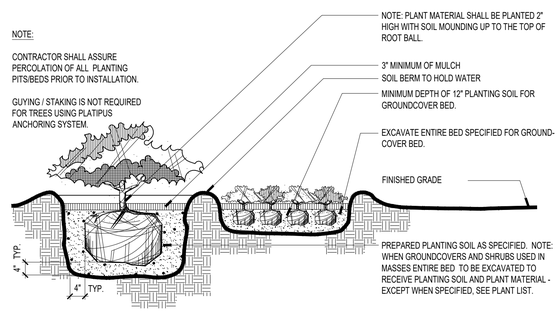

6 SHRUB AND GROUNDCOVER
SECTION — SCALE: N.T.S.

walk
Landscape + Urban Design
Planning | Research | Consulting
6915 SW 57TH AVENUE
Suite #203
Coral Gables, FL 33143
786.536.2088

REVISIONS

	REVISION	04.28.2024

SCALE: 0 8' 16' 32'
1/16" = 1'- 0"

CLIENT:
11041 SW 77 AVE
MIAMI, FL 33156

INSPACIO
11041 SW 77 AVE
MIAMI, FL 33156

LANDSCAPE DETAIL PLAN AND SPECIFICATIONS

REGISTERED LANDSCAPE ARCHITECT
SEFORA CHAVARRIA
LA 6667643
STATE OF FLORIDA
SEFORA CHAVARRIA
Digitally signed by SEFORA CHAVARRIA
Date: 2024.04.30 14:15:27 -04'00'

DRAWN BY:	SB,DC
CHECKED BY:	SC
DATE:	04.11.23

SHEET NUMBER:
L-02