

TREE REMOVAL AND TREE TO REMAIN PRUNING SPECIFICATIONS

A. Repair of Damaged Trees To Remain

the following penalties will apply:

Fines will be imposed as follows:

PART 6 - NATURAL RESOURCE PROTECTION SEQUENCE

Root Pruning and Root Barriers

2. Tree Protector Barrier

4. Clearing and Grading

Tree Pruning

Fertilization

Insecticide

A. Hand Watering Schedule

Use the following watering schedule:

a. First time offense, a fine of \$200.00 will be imposed

A. The sequence of tree treatment and preservation measures shall be:

1. If any damage to trees to remain or other natural resources should occur by accident or negligence during the construction period, the Owner's Representative

c. If any tree designated to remain is removed from the site without permission of the owner's Representative, the penalty will be \$600.00 per inch.

1. If any damage to the Tree Protector Barrier should occur by accident or negligence, the Contractor will be responsible for immediate repairs of the initial damage.

b. In the event the fence is not repaired within 24 hours to the Owner's Representative's satisfaction, an additional fine of \$100.00 per day will be imposed,

c. In the event a natural resource is damaged due to a Tree Protector Barrier being down, a fine of \$200.00 plus the cost of repair or replacement of the

2. If any tree that is designated to remain is deemed substantially damaged or dead due to construction damage, at the sole discretion of the Owner's Representative,

shall appraise the damage and make recommendations to the Owner for repair by the Contractor, at the Contractor's expense.

a. Trees 1" - 12" of trunk diameter, measured at 1' from the ground will be valued at \$300.00 per diameter inch.

d. Contractor shall also bear the cost of any fines, bonded tree values, attorney fees, expenses incurred by project

delays, etc., as determined by the county and local municipality for unauthorized tree removal.

1. Contractor shall submit a staging/access plan provided to Contractor's Certified Arborist for written approval prior

B. Contractor's Surveyor shall stake all site improvements in order to facilitate accurate location of trenching and fencing operations.

F. Contractor shall perform any excavation or grading required within the fenced root zone areas by hand. This operation is to be done

D. Contractor shall maintain and repair the Tree Protector Barrier during site construction operations.

supervised by the Contractor's Certified Arborist and the Owner's Representative.

Contractor shall water the trees that have been pruned (canopy and/or root) as shown below.

B. Per direction of 1 and 2, Contractor shall proceed with the more stringent watering schedule.

1. Contractor shall water all newly (canopy and root) pruned trees:

(3) three times a week for the first three months

(2) two times a week for months four and five

(1) one time a week for month six

then the Contractor will be responsible for providing the water and water source at his/her own expense.

under the direct supervision of the Contractor's Certified Arborist and the Owner's Representative.

H. Contractor shall clear by hand trees designated to be removed within critical root zone areas of the trees to remain.

C. Contractor's Certified Arborist to determine the location of the Tree Protector Barrier around each tree to remain based on his/her analysis of each

existing tree to remain that is adjacent to construction improvements such as utility installation, pavement addition and/or restoration, etc.

G. Contractor to limit required grading within the fenced tree protection areas to a maximum of 3" cut or fill of the tree critical root zone areas. All grading to be

Water all pruned trees immediately after pruning. Contractor shall water by hand. If a potable water source is not available on-site or if it is not in working condition,

2. Contractor shall consult his/her Certified Arborist for watering requirements for the trees that have been canopy and/or root pruned.

E. Contractor's access to the fenced tree protection areas will be permitted only with approval of Owner's Representative and Contractor's Certified Arborist's written directive.

I. Contractor shall not install conduit, sprinklers, or any utility line in any critical root zone areas without the approval of the Contractor's Certified Arborist and Owner's Representative.

natural resource as appraised by the Owner's Representative will be imposed.

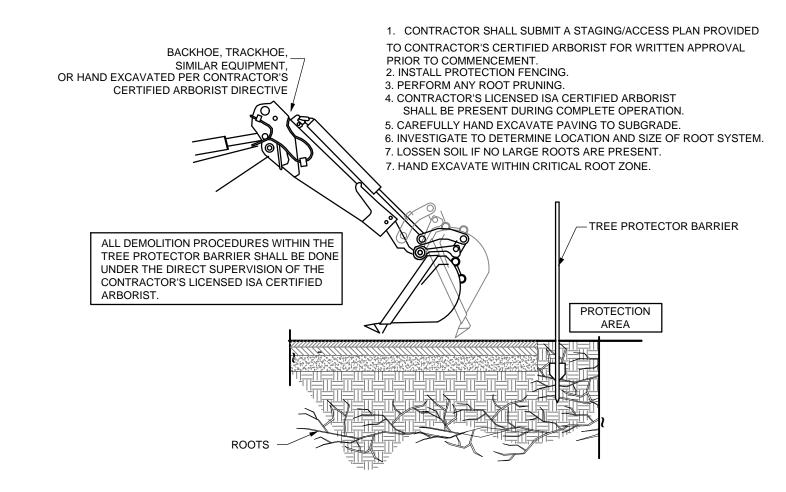
b. Trees 13" and above of trunk diameter measured at 4.5' from the ground will be valued at \$400.00 per diameter inch.

PART 1 - EXPLANATION OF NATURAL RESOURCE PRESERVATION PROCEDURES PART 5 - PENALTIES The sequence of operation is critical to the protection of the trees. A. Tree canopy pruning is to compensate for root loss and damage. B. Fertilization is to stimulate root systems to heal quickly and grow back in root-pruned areas. It also produces faster availability of food to a root system that is less efficient due to the damage incurred. C. Root pruning is to remove the roots with a trenching procedure that is less damaging to the roots than regular construction. PART 2 - DEFINITIONS A. Natural Resource - Existing trees or palms. B. Critical Root Zone - The mass of roots surrounding a tree that is required by the tree to live. The critical root zone is often much larger than the canopy. The critical root zone for each tree or palm within the project limits to be determined by the Contractor's Certified Arborist. C. DBH - Diameter Breast High - Indicates the location on the trunk, approximately 4.5' above ground, to measure the diameter of a tree. D. Grade - The grade of a tree refers to the overall health and appearance of the tree. The grades range from "A" being excellent to "D" being hazardous. E. Preserved Trees - Trees that are to be saved/remain in place. F. Owner's Representative - A representative, hired and paid for by the owner, that supervises the construction of the procedures shown on the tree disposition plans. G. Protection Zones/Areas - Any area enclosed partially or completely by a tree protector barrier/fence H. Contractor's Certified Arborist - an independent ISA Certified Arborist, hired and paid for by the contractor, that supervises the construction of the procedures shown on the tree disposition plans. PART 3 - PRODUCTS FOR TREE TREATMENT Every effort shall be made to utilize chemicals of an organic or biodegradable nature in order to offer the least impact to the natural environment. Contractor is responsible for mixing, applying, and disposal of all chemicals in accordance with strict adherence to manufacturer's directions, unless otherwise directed in these drawings. Refer to "Part 4B" below. A. Chemical Treatments. Recommended Fertilizer: a. "XL Injecto Feed", product of Doggett Corp., Lebanon, New Jersey (908) 236-6335. Apply a 12/24/24 ratio with a dilution rate 1/3 more water than specified on bag. 2. Recommended Wetting Agent: a. "APSA-80", product of Amway Corp. (800) 253-7088. Mycorrhizal Treatment: a. Plant Health Care, Inc. (800) 421-9051. Products of the same type from other sources shall not be excluded, provided they possess like physical and functional characteristics and are approved by the Project Landscape Architect. B. Insecticide Treatments. 1. "Astro", a product of FMC Corporation. (800) 321-1362. C. Tree Protector Barrier Material. 1. Six (6) foot tall orange vinyl mesh construction fence supported by eight (8) foot tall metal T-Bar Posts and Post Caps. 2. The tree protector barrier shall have a two (2) foot by two (2) foot "tree protection zone" sign affixed to the fence every twenty (20) feet placed in such a manner to be clearly visible to the construction workers. The sign must be PART 7 - IRRIGATION 3. The eight (8) foot tall metal T-Bar Post and Post Cap shall be placed a maximum of six (6) foot intervals. PART 4 - EXECUTION A. Tree Canopy/Root Pruning Operation 1. Trees to be pruned shall include only trees affected by construction or as designated on the tree disposition list. This item is to be coordinated by the Contractor's Certified Arborist with the Owner's Representative. 2. All pruning shall be done in accordance with ANSI A300 (Part 1) Pruning. 3. The Contractor's Certified Arborist must be present during all pruning operations. 4. Pruning shall consist of the following methods: a. Cleaning b. Interfering branch removal. c. Raising Root pruning. 1. Only trees affected by construction (canopy and/or root pruning) shall be fertilized. 2. Trees specified to receive fertilizer shall be treated during the time of year as recommended by the Contractor's Certified Arborist. agitation capability (15lbs. = 133 Gallons). b. Mix Wetting Agent at a rate of 5 oz. Per 100 gallons of fertilizer solution into same tank with fertilizer. Agitate mix. c. Inject the mixture with a hydraulic injection system set at 100 to 150 p.s.i. for sandy soils, 200 p.s.i. for silt/clay soils, into the upper 6-12 inches of soil with a soil probe. Inject at the rate of one third (1/3) gallon at each injection site. d. Critical Root Zone areas shall be injected, where possible, in the Critical Root Zone area plus 2' beyond Critical Root Zone, but not beyond Root Prunes. e. Fertilizer shall be installed prior to installation of any aeration systems (if applicable). AT THE REQUEST OF THE OWNER'S REPRESENTATIVE, EMPTY PRODUCT BAGS TO BE RETURNED TO THE OWNER'S REPRESENTATIVE FOR PROOF OF USE. 3. Injectable Fertilizer Treatment. a. Mix fertilizer with a dilution rate 1/3 more water than label instructions into a tank with agitation capability (15lbs. = 133 Gallons). b. Mix Wetting Agent at a rate of 5 oz. Per 100 gallons of fertilizer solution into same tank with fertilizer. Agitate mix. c. Inject the mixture with a hydraulic injection system set at 100 to 150 p.s.i. for sandy soils, 200 p.s.i. for silt/clay soils, into the upper 6-12 inches of soil with a soil probe. Inject at the rate of one third (1/3) gallon at each injection site. EMPTY PRODUCT BAGS TO BE STOCKPILED FOR INSPECTION BY OWNER'S REPRESENTATIVE PRIOR TO DISPOSAL. 4. Inoculant & Biostimulant. a. Use one 3 oz. Packet of MycorTree Tree Saver Transplant Mycorrhizal Transplant Inoculant for every one (1) foot diameter of root ball. Mix inoculant in 10" wide topsoil ring b. Mix one 4 oz. Bag of MycorTree Tree Saver Injectable Mycorrhizal Inoculant and 4 packs (to equal 1 pound) PHC BioPack per 100 gallons of water. c. Agitate for 10 minutes d. Inject the mixture with a hydraulic injection system set at 100 to 150 p.s.i. for sandy soils, 200 p.s.i. for silt/clay soils, into the upper 6-12 inches of soil with a soil probe. Inject at the rate of one third (1/3) gallon at each injection site. See transplant details on this sheet for injection locations. EMPTY PRODUCT BAGS TO BE STOCKPILED FOR INSPECTION BY OWNER'S REPRESENTATIVE PRIOR TO DISPOSAL C. Insecticide Operation 1. Apply "Astro" as a topical solution as directed by the Contractor's Certified Arborist. Notify Owner's Representative if an infestation is noticed. Apply around base of trunk to soil line, trunk and any limb 1/3 the size of the trunk to 25'-30' high. Insure complete coverage. Reapply "Astro" 2-3 months after initial application utilizing same procedure. 2. Follow all manufacturers' recommendations concerning application when applying "Astro". Read all warning labels. Any pets, as well as, the pets food and water bowls should be removed from the area and any swimming pools should be covered (if applicable). 3. Contractor shall ensure no mixing of chemicals occurs without protective measures to prevent spillage and potential contamination of soils. 1. Trenching locations shall be approved in the field by the Owner's Representative and the Contractor's Certified Arborist. 2. Trenching equipment that will turn at high RPM's is preferred. Trenching equipment is to be used to perform all root pruning operations. A minimum depth of three feet is required or as determined by Contractor's Certified Arborist. Clean cut roots in trench on tree side with sterile equipment, loopers, or chain saw after trenching is complete. 3. The trench shall be backfilled and compacted immediately, as directed by the Contractor's Certified Arborist. 4. Phased root pruning timeframes vary by species. Contractor's certified arborist shall direct pruning schedule. E. Tree Protector Barrier 2. Tree Protector Barrier is to be placed by the Contractor around each tree to remain as directed by the Contractor's Certified Arborist. F. Tree Removals 1. Contractor shall remove and discard all trees shown as "Remove" on the Tree Disposition Plan and the Tree Disposition List. All trees shown to be removed shall be felled with a chain saw and stump ground 6" below surface. Any tree shown to be removed and is in an area where compaction is critical, the tree shall be felled with a chain saw and stump removed by the Contractor. Care must be taken not to damage the existing trees marked to remain. 2. If Tree Protector Barrier is damaged, repair is to be performed immediately. Care must be taken not to damage the trees to remain. 3. Contractor shall remove and haul away from the job site all wood generated from tree removals, including stumps, the same day the removal happens.

4. Burn pits are not allowed.

1. INSTALL PROTECTION FENCING. 2. PERFORM ANY ROOT PRUNING. 3. BREAK OR CUT CURB A 6' SECTION OF CURB. 4. CAREFULLY ROTATE CURB SECTION AWAY FROM ROOTS. 5. COORDINATE ALL DEMOLITION OPERATIONS w/ PROJECT URBAN FORESTER. ROTATE 6. INSTALL NEW BACKFILL OR CURB AWAY _ SIDEWALK/CURB. FROM TREE PROTECTION FENCE BACKHOE, TRACKHOE SEE PLAN OR SIMILAR EQUIPMENT ALL DEMOLITION PROCEDURES SHALL OCCUR OUTSIDE THE PROTECTION AREA. COORDINATE WITH PROJECT URBAN FORESTER **DEMOLITION PROCEDURE - CURB**

SEQUENCE



DEMOLITION PROCEDURE - PAVEMENT

TREE/ PALM PROTECTION FENCES SHALL BE CONSTRUCTED PRIOR TO ANY CONSTRUCTION ACTIVITY INCLUDING GRUBBING FOR ALL TREES/PALMS THAT ARE 'TO REMAIN, BE PROTECTED OR BE RELOCATED' NO ACTIVITY OR DISTURBANCE SHOULD OCCUR WHITHIN 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. IN NO CASE SHALL THE FENCE BE INSTALLED LESS THAN TEN FEET FROM THE TRUNK TREE + PALM PROTECTION BARRIERS TO EXTEND BEYOND 'CRITICAL ROOT ZONE AREA' OF ALL TREES/PALMS TO BE PROTECTED. EXTEND WHERE NECESSARY TO PROTECT TREE CANOPY ROOTS OF FOUR FEET HIGH, AND SHALL BE CONSTRUCTED O CONTINUOUS CHAIN LINK FENCE WITH METAL POSTS AT POSTS WITH THREE EQUALLY SPACED 2"x4" RAILS, POSTS MAY BE SHIFTED TO AVOID ROOTS.

PROTECTION DETAIL NOTE: CONTRACTOR TO INSTALL 'TREE/PALM PROTECTION FENCE BARRIERS' AROUND ALL EXISTING TREES OR PALMS AT THE START OF THE PROJECT, BARRIERS TO REMAIN IN PLACE THROUGHOUT THE DURATION OF THE PROJECT AND SHOULD NOT BE REMOVED OR DROPPED FOR ANY REASON WITHOUT AUTHORIZATION FROM THE CITY OF MIAMI BEACH URBAN

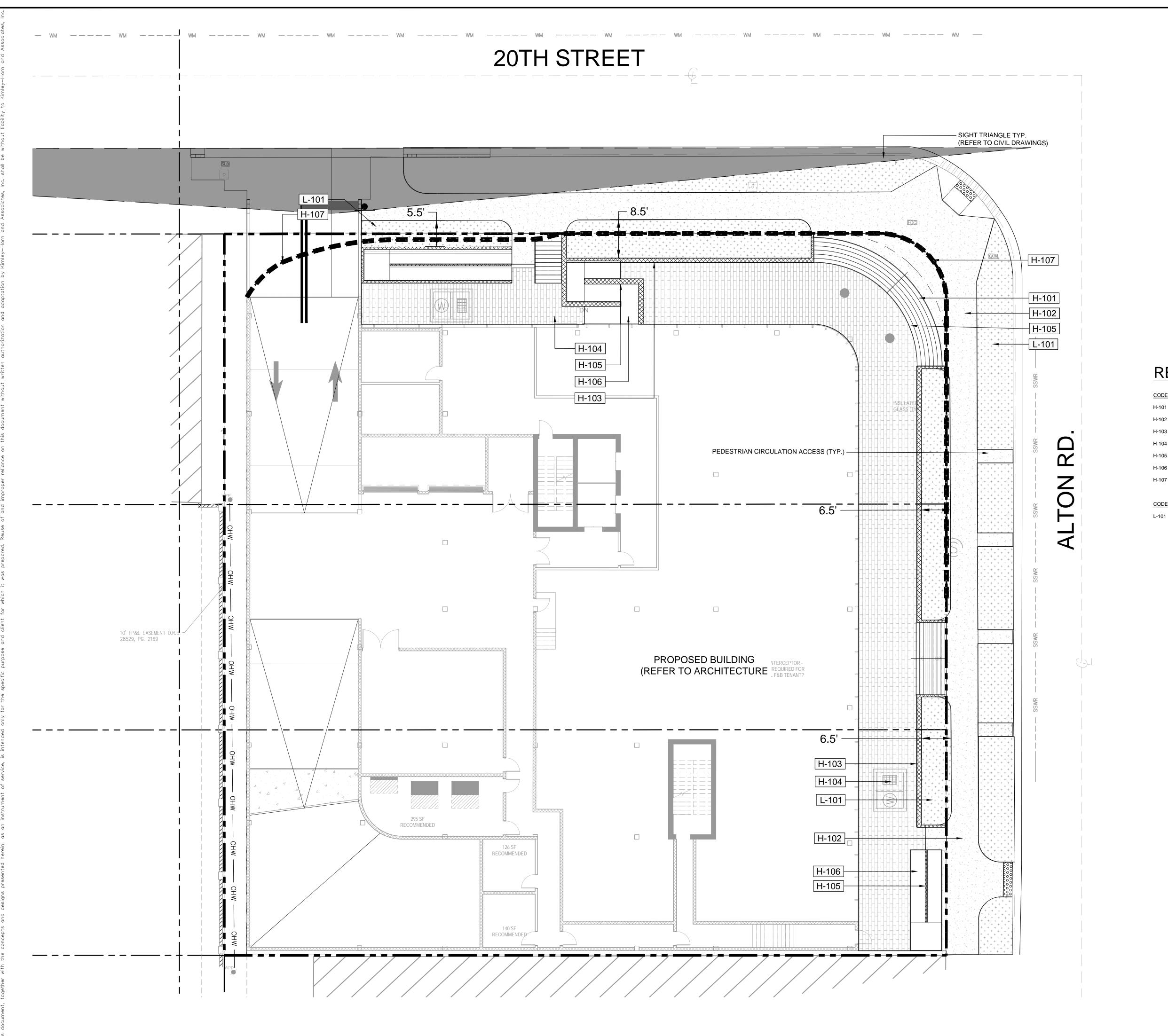
C.M.B. TREE / PALM PROTEC. DETAIL

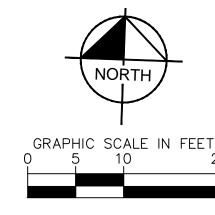
ALWAYS CALL 811 BEFORE YOU DIG

U.S. S.

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SHEET NUMBER L-150





	LEGEND
	PROPERTY LINE
444 4 4 4	PROPOSED CONCRETE PAVEMENT
	EXISTING CONCRETE PAVEMENT
	PROPOSED DETECTABLE WARNING

REFERENCE NOTES SCHEDULE

DETAIL

HARDSCAPE
DESCRIPTION
PRECAST CONCRETE STAIRS

2 STANDARD CONCRETE SIDEWALK - BROOM FINISH

JACOB WEBNET MESH RAILING (TYP.)

PRECAST CONCRETE PAVERS

STAINLESS STEEL HANDRAILS (TYP.)

I-106 ADA ACCESS RAMP (REFER TO ARCHITECTURE DRAWINGS)

ARCHITECTURE OVERHANG ABOVE (REFER TO ARCHITECTURE DRAWINGS)

E LANDSCAPE DESCRIPTION

PLANTING AREA (REFER TO LANDSCAPE PLAN)

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED PRINTED C
BY GREGORY ALEXANDER GONZALEZ, P.L.A.
SIGNATURE
COPIES.

KHA PROJECT
143589001

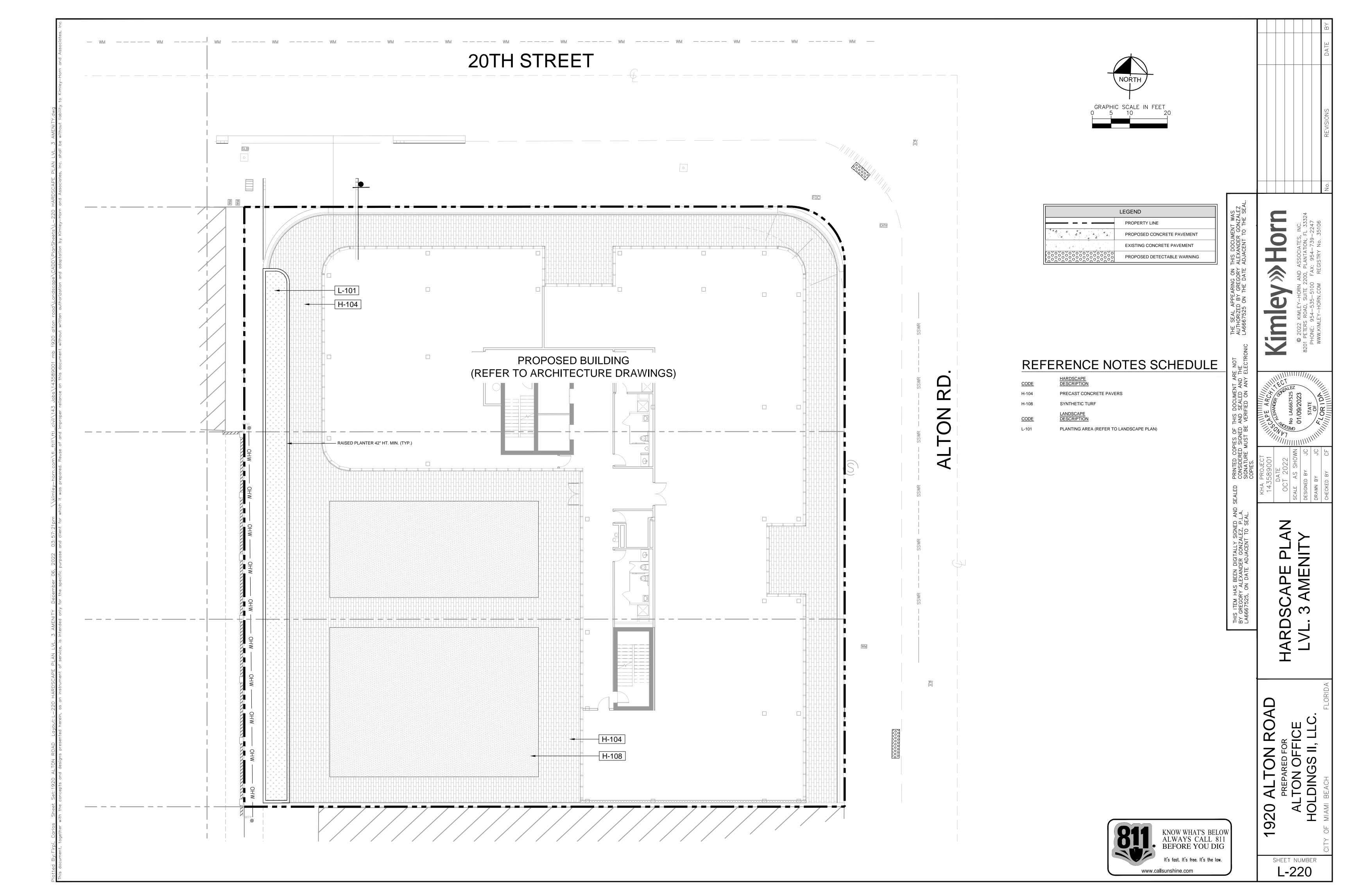
HARDSCAPE PLAN

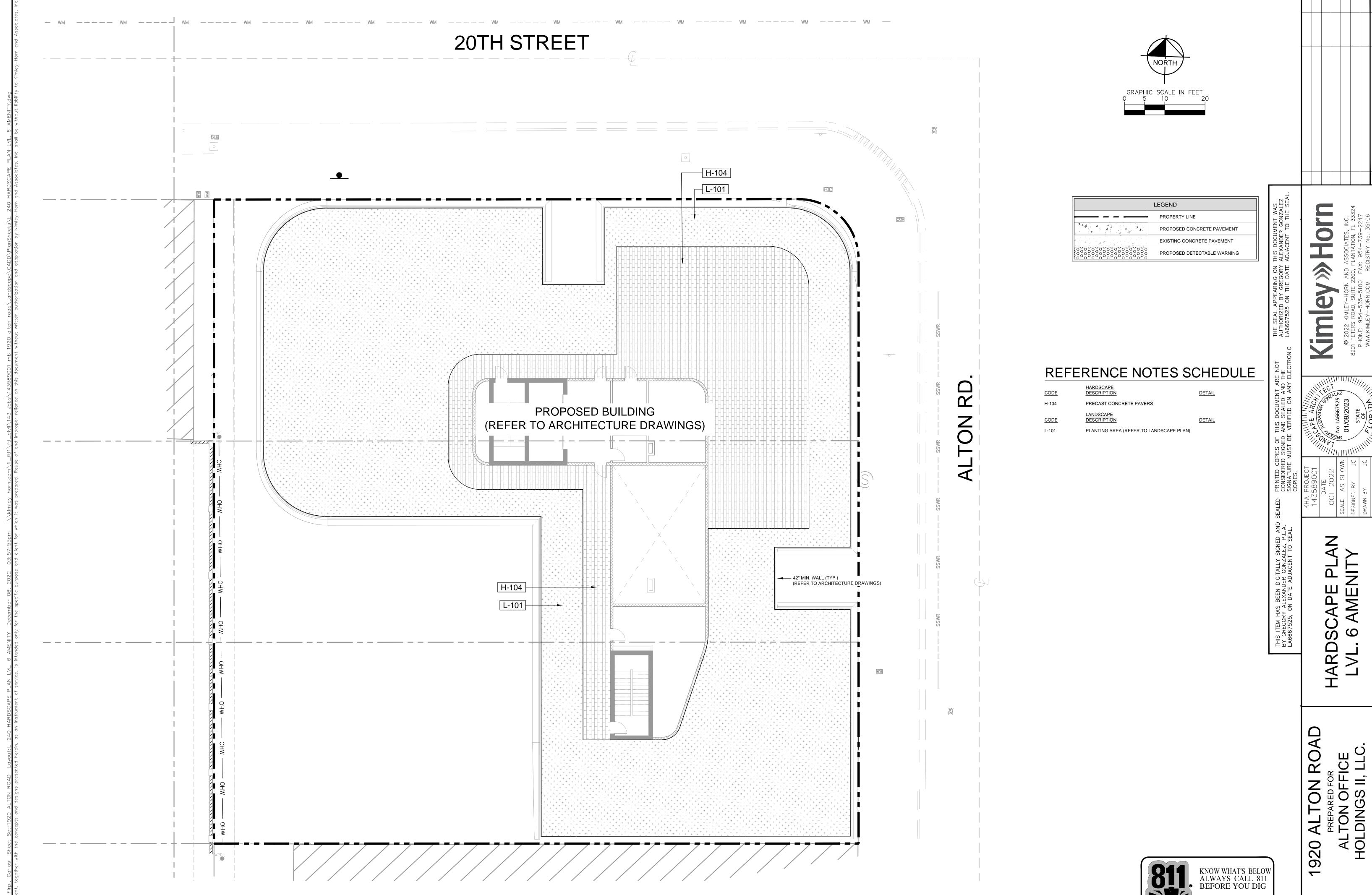
1920 ALTON ROAD
PREPARED FOR
ALTON OFFICE
HOLDINGS II. LLC.

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L-200

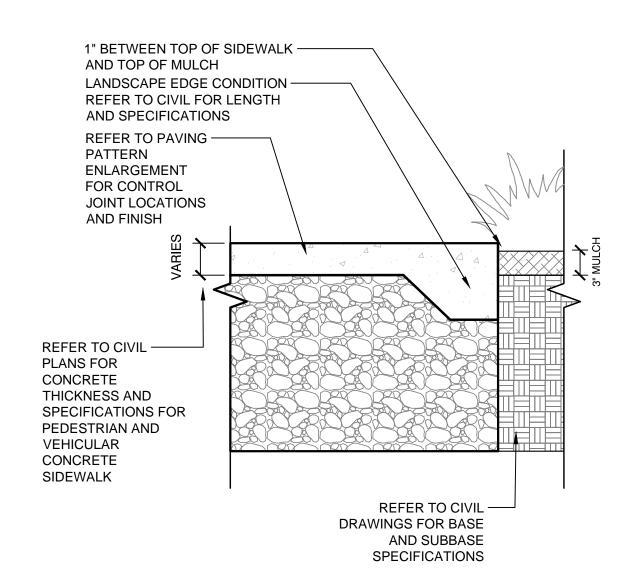
KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG

It's fast. It's free. It's the law.

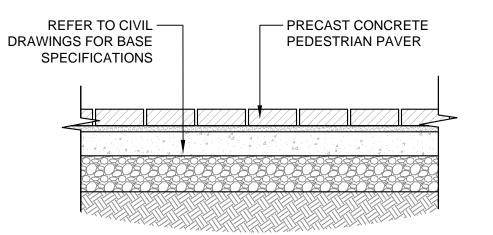




SHEET NUMBER L-240



CONCRETE SIDEWALK



MANUFACTURER: WAUSAU TILE TROY DAHLKE - FLORIDA REP. TROYD.WT@GMAIL.COM TEL: 813-334-0016

TYPE: HEXAGON

PEDESTRIAN PAVERS

FINISH: ANTI-SLIP. ALL HARDSCAPE SHALL BE SLIP RESISTANT IN COMPLIANCE WITH FBC SECTION 454.1.3.1

PATTERN AND COLORS: CONTRACTOR SHALL SUBMIT MATERIAL SAMPLES, PRODUCT DATA, AND COLOR CHARTS FOR APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO PROCUREMENT, FABRICATION, AND INSTALLATION.

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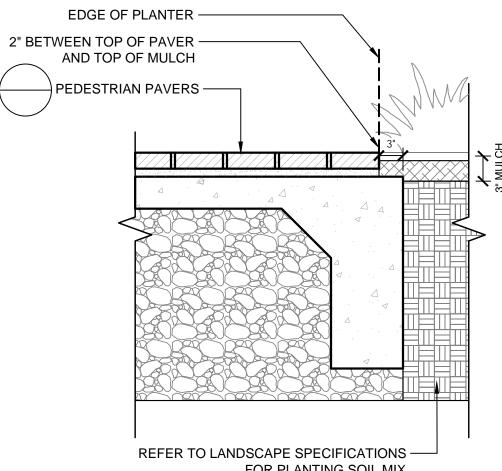
3/4" = 1'-0"

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GENERAL NOTES:

- 1. CONTRACTOR SHALL SUBMIT DETAILED ENGINEERED SIGNED AND SEALED SHOP DRAWINGS FOR APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO PROCUREMENT, FABRICATION, AND INSTALLATION.
- 2. A 10' X10' MOCKUP SHALL BE PROVIDED BY THE CONTRACTOR, TO BE APPROVED BY LANDSCAPE ARCHITECT, SHOWING SMOOTH SPONGE, SANDBLAST/TOP CAST FINISHES, EXPANSION AND CONTROL JOINTS.
- 3. PRECAUTIONS SHALL BE TAKEN IN HOT WEATHER TO PREVENT PLASTIC CRACKING RESULTING FROM EXCESSIVELY RAPID DRYING AT SURFACES DESCRIBED IN CIP 5 "PLASTIC SHRINKAGE CRACKING" PUBLISHED BY THE NATIONAL READY MIXED CONCRETE ASSOCIATION.

 4. CONTRACTOR SHALL PROVIDE MOCK-UP FOR APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO PROCUREMENT, FABRICATION, AND INSTALLATION.
- MOCK-UP SHALL BE ITERATIVE AND RE-WORKED UP TO (2) TWO TIMES BY CONTRACTOR AT NO ADDITIONAL COST TO OWNER UNTIL APPROVED BY LANDSCAPE ARCHITECT.
- 5. CONTRACTOR SHALL SUBMIT MATERIAL SAMPLES, PRODUCT DATA, AND COLOR CHARTS FOR APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO PROCUREMENT, FABRICATION, AND INSTALLATION. 6. ALL HORIZONTAL SURFACES FINISHES SHALL BE SLIP RESISTANT WITH A COEFFICIENT OF FRICTION THAT MEETS ALL FEDERAL, STATE AND LOCAL
- CODE CRITERIA. (SLIP COEFFICIENT: 0.6 FOR SLOPES LESS THAN 5%, 0.8 FOR SLOPES EQUAL OR GREATER THAN 5%, AS MINIMUM OR AS REQUIRED TO MEET CODE CRITERIA, WHICHEVER IS GREATER.)
- 7. CONTRACTOR SHALL PROVIDE EXPANSION JOINTS, BACKER ROD, AND COLOR SEALANT AS SELECTED BY LANDSCAPE ARCHITECT AT A MINIMUM OF 10' MAX. O. C. OR EVERY 100 SF OF CONCRETE MINIMUM. CONTRACTOR SHALL PROVIDE A DETAILED SHOP DRAWING FOR APPROVAL, SHOWING ALL EXPANSION AND CONTROL JOINTS FOR APPROVAL.





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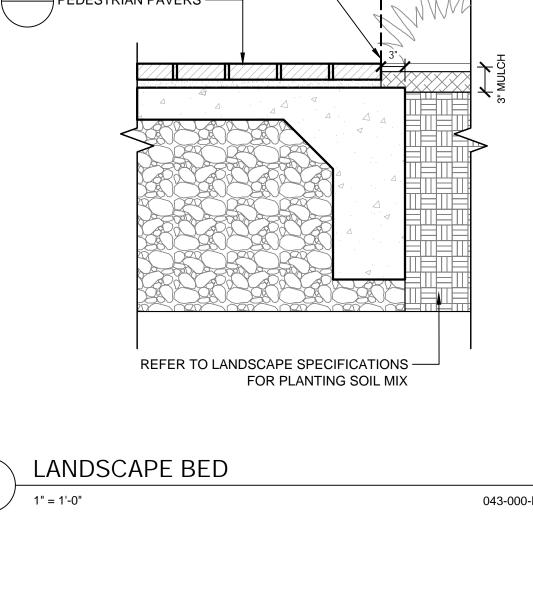
TAILS HARDSCAPE

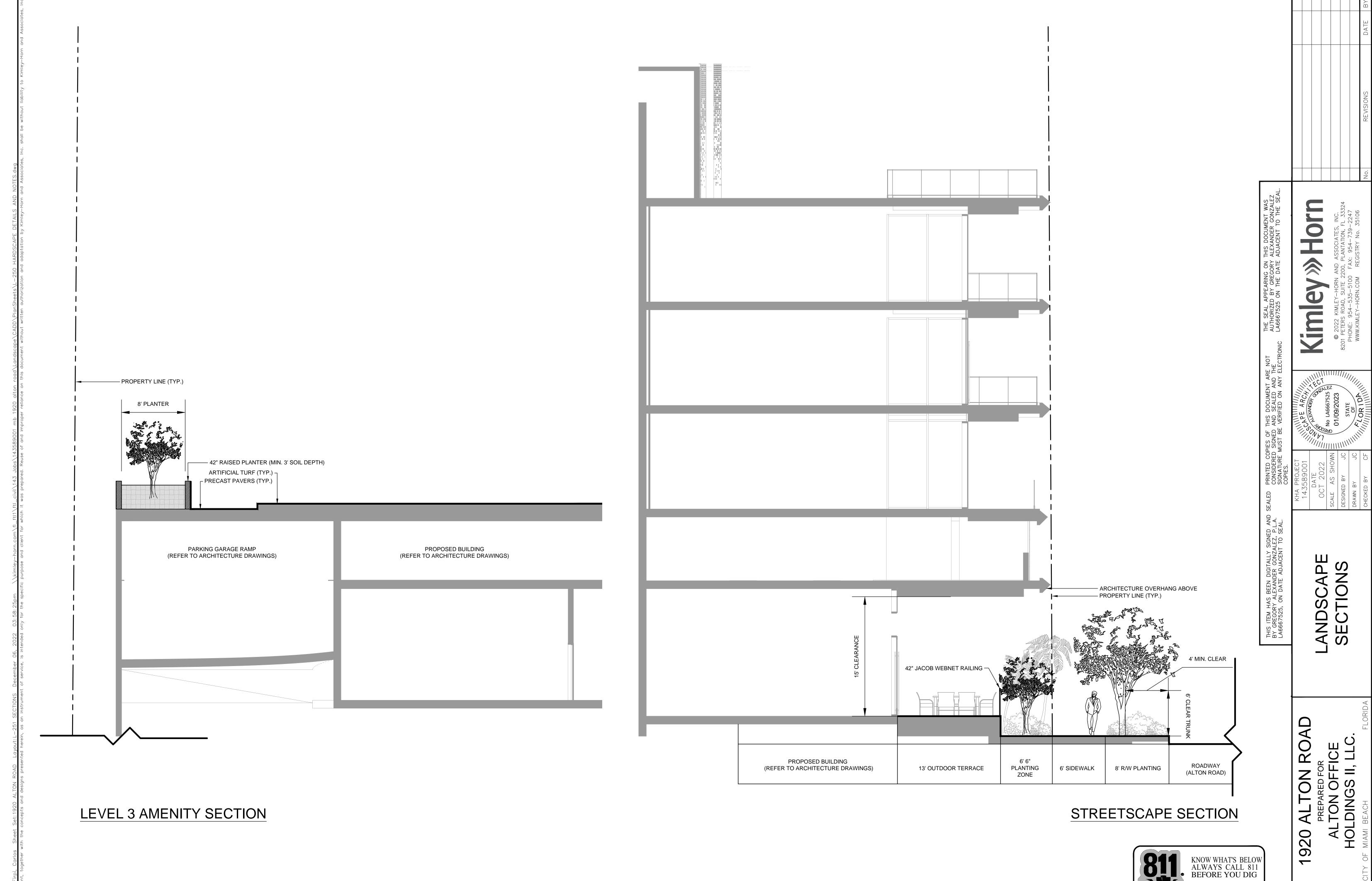
THIS ITEM HAS BEEN DIGITALLY SIGNED AND BY GREGORY ALEXANDER GONZALEZ, P.L.A. LA6667525, ON DATE ADJACENT TO SEAL.

1920 ALTON ROAD
PREPARED FOR
ALTON OFFICE
HOLDINGS II, LLC.

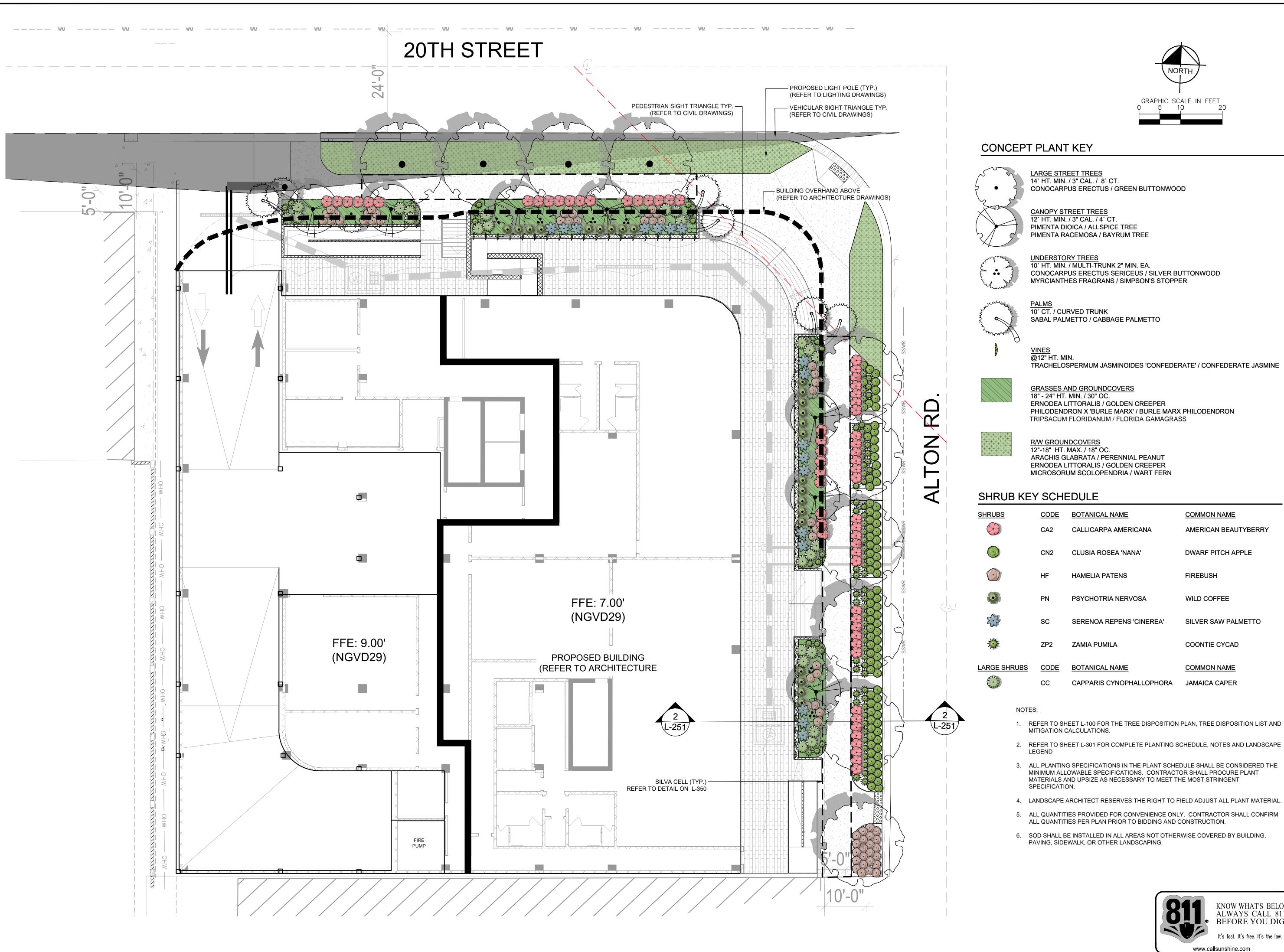
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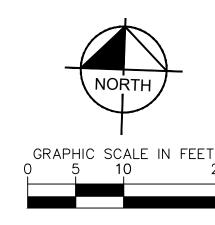
KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG www.callsunshine.com





SHEET NUMBER L-251





CONCEPT PLANT KEY

LARGE STREET TREES
14` HT. MIN. / 3" CAL. / 8` CT. CONOCARPUS ERECTUS / GREEN BUTTONWOOD

> **UNDERSTORY TREES** 10' HT. MIN. / MULTI-TRUNK 2" MIN. EA.

PALMS 10` CT. / CURVED TRUNK

GRASSES AND GROUNDCOVERS 18" - 24" HT. MIN. / 30" OC. ERNODEA LITTORALIS / GOLDEN CREEPER PHILODENDRON X 'BURLE MARX' / BURLE MARX PHILODENDRON TRIPSACUM FLORIDANUM / FLORIDA GAMAGRASS

R/W GROUNDCOVERS 12"-18" HT. MAX. / 18" OC. ARACHIS GLABRATA / PERENNIAL PEANUT ERNODEA LITTORALIS / GOLDEN CREEPER MICROSORUM SCOLOPENDRIA / WART FERN

SHRUB KEY SCHEDULE

SHRUBS	CODE	BOTANICAL NAME	COMMON NAME
	CA2	CALLICARPA AMERICANA	AMERICAN BEAUTYBERRY
O	CN2	CLUSIA ROSEA 'NANA'	DWARF PITCH APPLE
	HF	HAMELIA PATENS	FIREBUSH
	PN	PSYCHOTRIA NERVOSA	WILD COFFEE
	sc	SERENOA REPENS 'CINEREA'	SILVER SAW PALMETTO
	ZP2	ZAMIA PUMILA	COONTIE CYCAD
LARGE SHRUBS	CODE	BOTANICAL NAME	COMMON NAME
Eig	CC	CAPPARIS CYNOPHALLOPHORA	JAMAICA CAPER

- 1. REFER TO SHEET L-100 FOR THE TREE DISPOSITION PLAN, TREE DISPOSITION LIST AND MITIGATION CALCULATIONS.
- 2. REFER TO SHEET L-301 FOR COMPLETE PLANTING SCHEDULE, NOTES AND LANDSCAPE LEGEND
- 3. ALL PLANTING SPECIFICATIONS IN THE PLANT SCHEDULE SHALL BE CONSIDERED THE MINIMUM ALLOWABLE SPECIFICATIONS. CONTRACTOR SHALL PROCURE PLANT MATERIALS AND UPSIZE AS NECESSARY TO MEET THE MOST STRINGENT SPECIFICATION.
- 4. LANDSCAPE ARCHITECT RESERVES THE RIGHT TO FIELD ADJUST ALL PLANT MATERIAL.
- 5. ALL QUANTITIES PROVIDED FOR CONVENIENCE ONLY. CONTRACTOR SHALL CONFIRM ALL QUANTITIES PER PLAN PRIOR TO BIDDING AND CONSTRUCTION.
- 6. SOD SHALL BE INSTALLED IN ALL AREAS NOT OTHERWISE COVERED BY BUILDING, PAVING, SIDEWALK, OR OTHER LANDSCAPING.



D

DIGITALLY SIGNED AND DER GONZALEZ, P.L.A. ADJACENT TO SEAL.

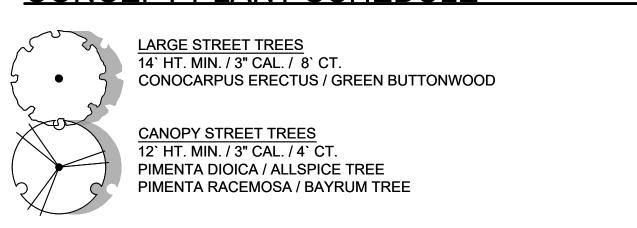
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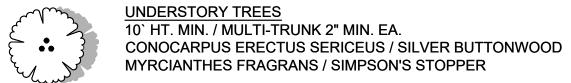
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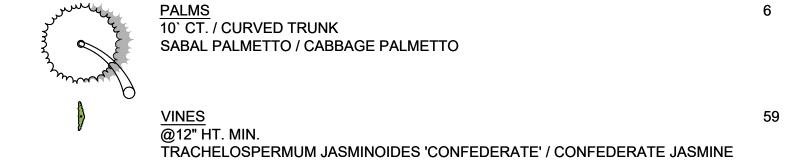
SHEET NUMBER L-300

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CONCEPT PLANT SCHEDULE







GRASSES AND GROUNDCOVERS 1,375 SF 18" - 24" HT. MIN. / 30" OC. ERNODEA LITTORALIS / GOLDEN CREEPER

10

1,166 SF

PHILODENDRON X 'BURLE MARX' / BURLE MARX PHILODENDRON TRIPSACUM FLORIDANUM / FLORIDA GAMAGRASS

R/W GROUNDCOVERS 12"-18" HT. MAX. / 18" OC. ARACHIS GLABRATA / PERENNIAL PEANUT ERNODEA LITTORALIS / GOLDEN CREEPER

MICROSORUM SCOLOPENDRIA / WART FERN

SHRUB SCHEDULE

SHRUBS	CODE	<u>QTY</u>	BOTANICAL / COMMON NAME	CONT	SPACING	SIZE	<u>NATIVE</u>
	CA2	61	CALLICARPA AMERICANA AMERICAN BEAUTYBERRY	CONT.	30" O.C.	24" HT MIN	YES
	CN2	86	CLUSIA ROSEA 'NANA' DWARF PITCH APPLE	CONT.	24" O.C.	18" HT MIN	NO
	HF	61	HAMELIA PATENS FIREBUSH	CONT.	30" O.C.	18" HT MIN	YES
	PN	24	PSYCHOTRIA NERVOSA WILD COFFEE	CONT.	30" O.C.	24" HT. MIN.	YES
	sc	17	SERENOA REPENS 'CINEREA' SILVER SAW PALMETTO	CONT.	30" O.C.	24" HT. MIN.	YES
Zank.	ZP2	87	ZAMIA PUMILA COONTIE CYCAD	CONT.	24" O.C.	18" HT MIN	YES
LARGE SHRUBS	CODE	<u>QTY</u>	BOTANICAL / COMMON NAME	CONT	SPACING	SIZE	<u>NATIVE</u>
Ein	СС	24	CAPPARIS CYNOPHALLOPHORA JAMAICA CAPER	CONT.	AS SHOWN	6` HT MIN.	YES

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- 4. LANDSCAPE ARCHITECT RESERVES THE RIGHT TO FIELD ADJUST ALL PLANT MATERIAL.
- 5. ALL QUANTITIES PROVIDED FOR CONVENIENCE ONLY. CONTRACTOR SHALL CONFIRM ALL QUANTITIES PER PLAN PRIOR TO BIDDING AND CONSTRUCTION.
- 6. SOD SHALL BE INSTALLED IN ALL AREAS NOT OTHERWISE COVERED BY BUILDING, PAVING, SIDEWALK, OR OTHER LANDSCAPING.

MIAMI BEACH LANDSCAPE LEGEND

Zoning District CD-2 Net Lot Area: 0.586 Acres or 25,526 SF		
OPEN SPACE	REQUIRED	PROVIDED
A. Square feet of open space required by Chp. 126, as indicated on site plan:		
Net Lot area =25,526 x25%	6,382 SF	6,382 SF
AWN AREA CALCULATION		
A. Total square feet of landscape open space required by Chp. 126 =	6,382 SF	
3. Maximum lawn area permitted =20% x required landscape open space =	1,276 SF	n/a SF
TREES		
A. The number of site trees required per net lot area = 22 site trees per net lot area		
less the existing number of trees that meet minimum requirements — — — — — — — — — — — — — — — — — — —		
required trees x net lot acreage = 13 trees - existing trees	13 trees	13 trees
30% palm trees allowed (two palms = one tree) =	4 "trees"	3 "trees"
C. Percentage of native trees required = the number of trees provided x 30% =	4 trees	10 trees
Percentage of low maintenance and drought tolerant trees = provided trees x 50% =	7 trees	10 trees
D. Street trees along 20th street (max. average spacing of 20' O.		
147 linear feet along street / 20 =	8 trees	8 trees
Street trees along Alton Road (max. average spacing of 20' O.C.):		
180 linear feet along street / 20 =	9 trees	9 trees
Total number of trees provided: required site trees + street trees =	30 trees	30 trees
SHRUBS		
A. The total number of trees required x 12 = the number of shrubs required	360 shrubs	360 shrubs*
The number of shrubs required x 50% = the number of native shrubs required	180 shrubs	190 shrubs
The total number of shrubs required $\times 10\%$ = the number of large shrubs required	36 shrubs	36 shrubs*
RRIGATION PLAN		
Required by Chp. 126:		
Auto Irrigation x		
Hose Bibs		

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L-301

Kim

THIS ITEM HAS BEEN DIGITALLY SIGNED AND BY GREGORY ALEXANDER GONZALEZ, P.L.A. LA6667525, ON DATE ADJACENT TO SEAL.