

# TREE REMOVAL AND TREE TO REMAIN PRUNING SPECIFICATIONS

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

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.

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.

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

the following penalties will apply:

Fines will be imposed as follows:

2. Tree Protector Barrier

4. Clearing and Grading

Tree Pruning

Fertilization

Insecticide

Root Pruning and Root Barriers

Use the following watering schedule:

(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

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



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 BACKHOE, TRACKHOE OR SIMILAR EQUIPMENT ALL DEMOLITION PROCEDURES SHALL OCCUR OUTSIDE THE PROTECTION AREA. COORDINATE WITH PROJECT URBAN FORESTER **DEMOLITION PROCEDURE - CURB** SEQUENCE BACKHOE, TRACKHOE,

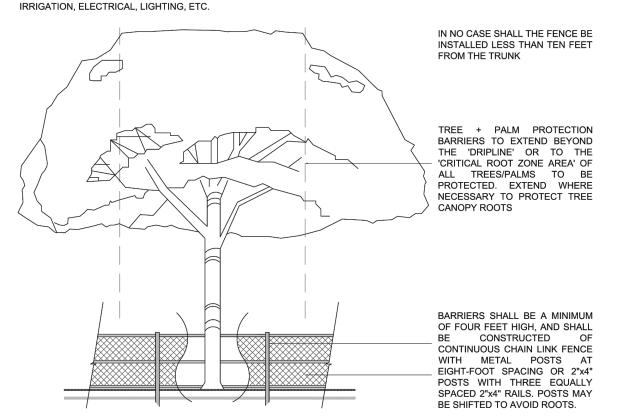
1. CONTRACTOR SHALL SUBMIT A STAGING/ACCESS PLAN PROVIDED TO CONTRACTOR'S CERTIFIED ARBORIST FOR WRITTEN APPROVAL PRIOR TO COMMENCEMENT. SIMILAR EQUIPMENT. 2. INSTALL PROTECTION FENCING. OR HAND EXCAVATED PER CONTRACTOR'S 3. PERFORM ANY ROOT PRUNING. CERTIFIED ARBORIST DIRECTIVE 4. CONTRACTOR'S LICENSED ISA CERTIFIED ARBORIST SHALL BE PRESENT DURING COMPLETE OPERATION. 5. CAREFULLY HAND EXCAVATE PAVING TO SUBGRADE. 6. INVESTIGATE TO DETERMINE LOCATION AND SIZE OF ROOT SYSTEM. 7. LOSSEN SOIL IF NO LARGE ROOTS ARE PRESENT. 7. HAND EXCAVATE WITHIN CRITICAL ROOT ZONE. TREE PROTECTOR BARRIER ALL DEMOLITION PROCEDURES WITHIN THE TREE PROTECTOR BARRIER SHALL BE DONE UNDER THE DIRECT SUPERVISION OF THE CONTRACTOR'S LICENSED ISA CERTIFIED ARBORIST.

PROTECTION FENCE

SEE PLAN

**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



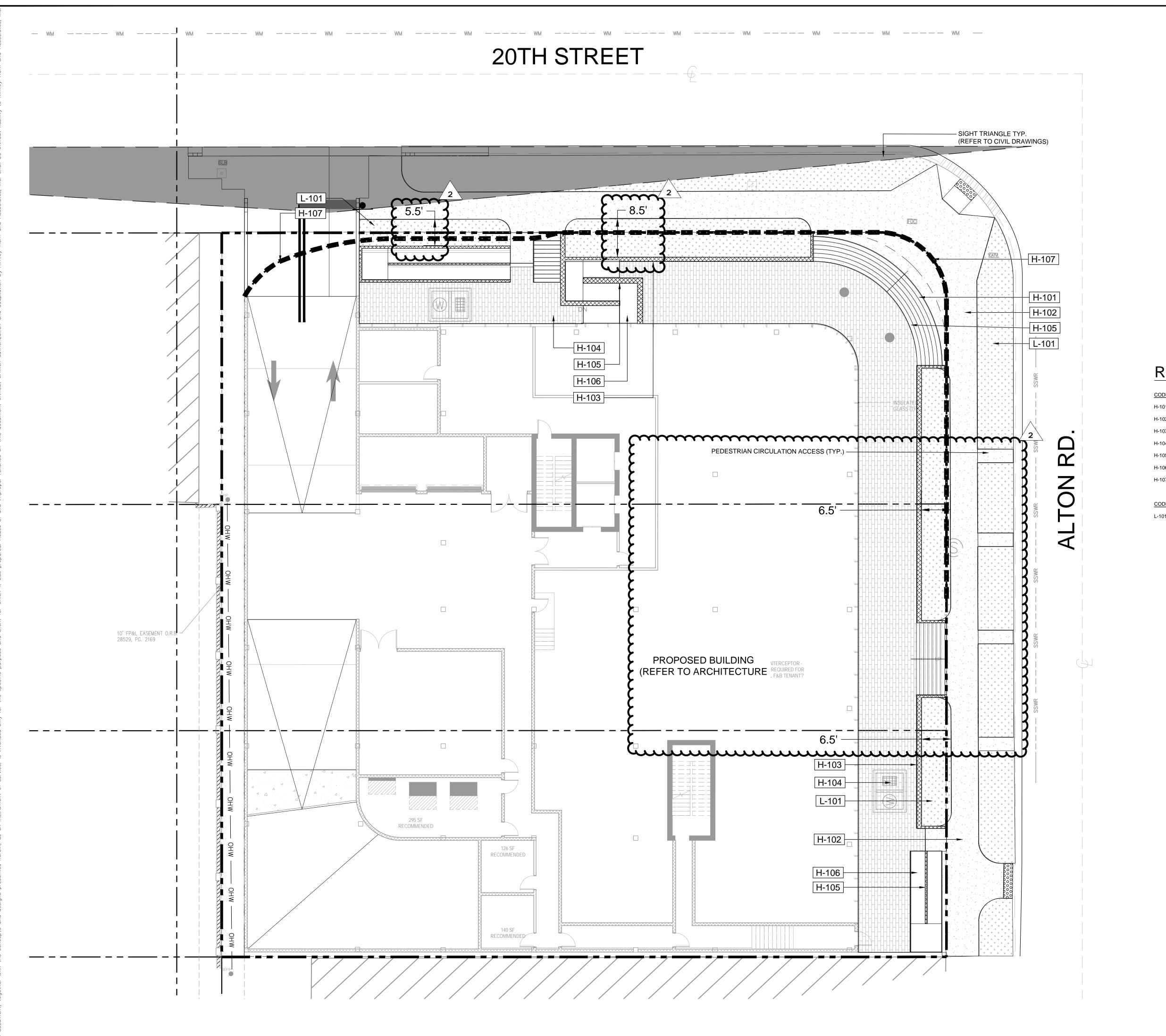
PROTECTION DETAIL NOTE: CONTRACTOR TO INSTALL 'TREE/PALM PROTECTION FENCE BARRIERS' AROUND ALL EXISTING TREES OR PALMS AT THE START OF THE PROJECT, BARRIERS TO REMAIN IN PLACE THROUGHOUT THE DURATION OF THE PROJECT AND SHOULD NOT BE REMOVED OR DROPPED FOR ANY REASON WITHOUT AUTHORIZATION FROM THE CITY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

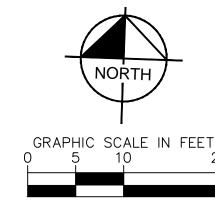
C.M.B. TREE / PALM PROTEC. DETAIL

ALWAYS CALL 811 BEFORE YOU DIG

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

# REFERENCE NOTES SCHEDULE

HARDSCAPE DESCRIPTION PRECAST CONCRETE STAIRS

STANDARD CONCRETE SIDEWALK - BROOM FINISH

JACOB WEBNET MESH RAILING (TYP.) PRECAST CONCRETE PAVERS

STAINLESS STEEL HANDRAILS (TYP.)

ADA ACCESS RAMP (REFER TO ARCHITECTURE DRAWINGS)

ARCHITECTURE OVERHANG ABOVE (REFER TO ARCHITECTURE DRAWINGS)

PLANTING AREA (REFER TO LANDSCAPE PLAN)

APE

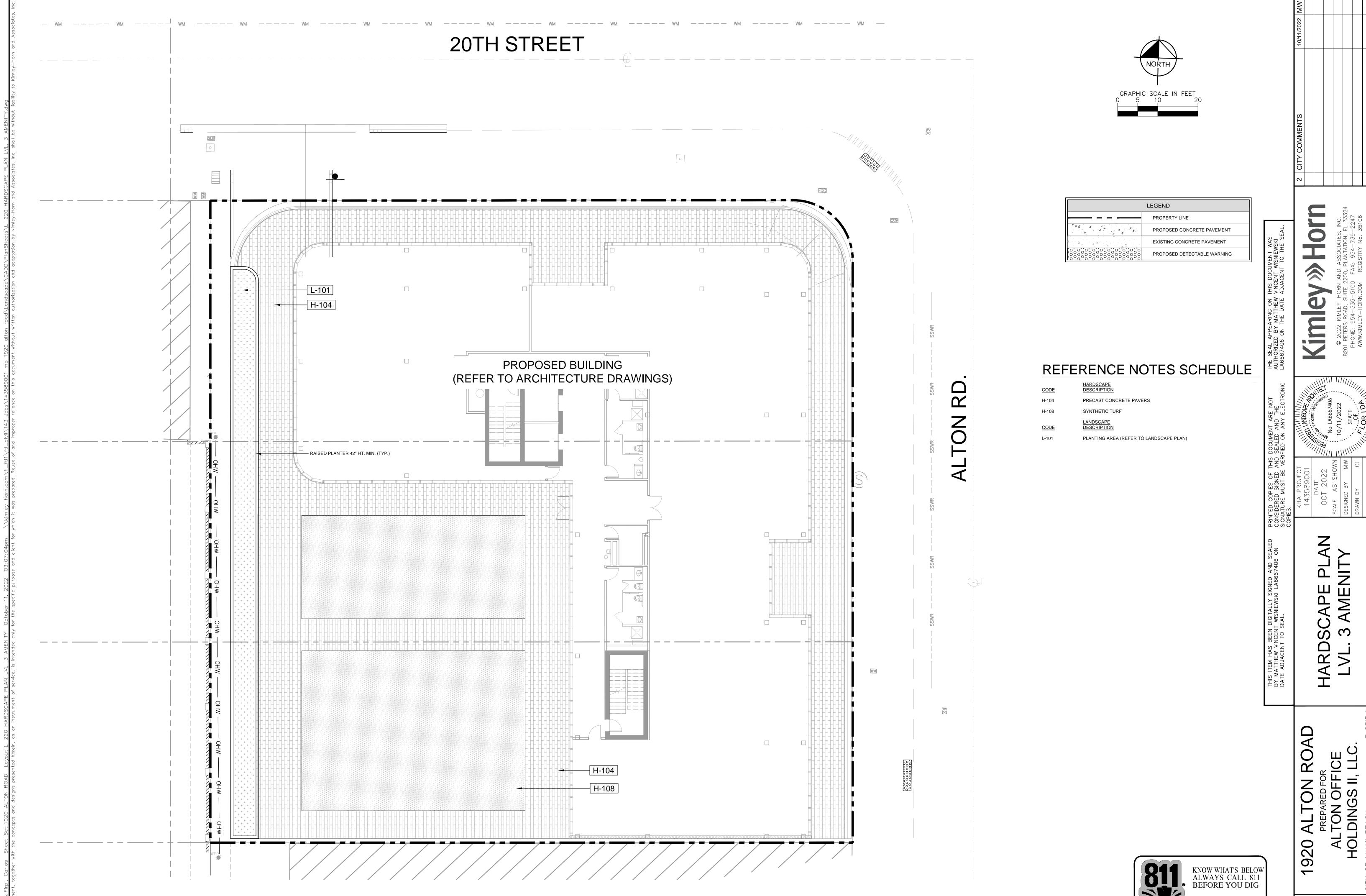
HARDSC

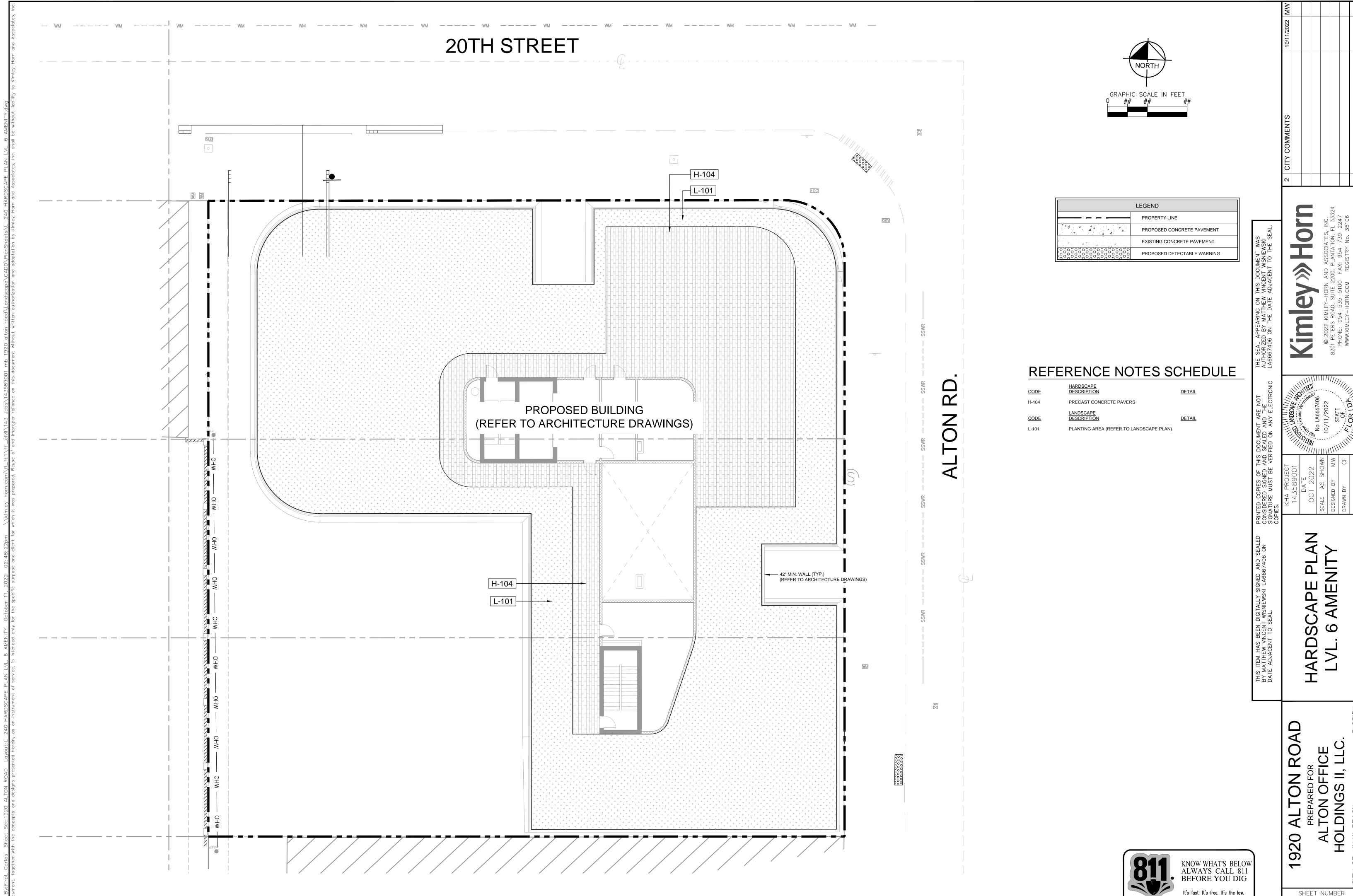
ALTON ROAD

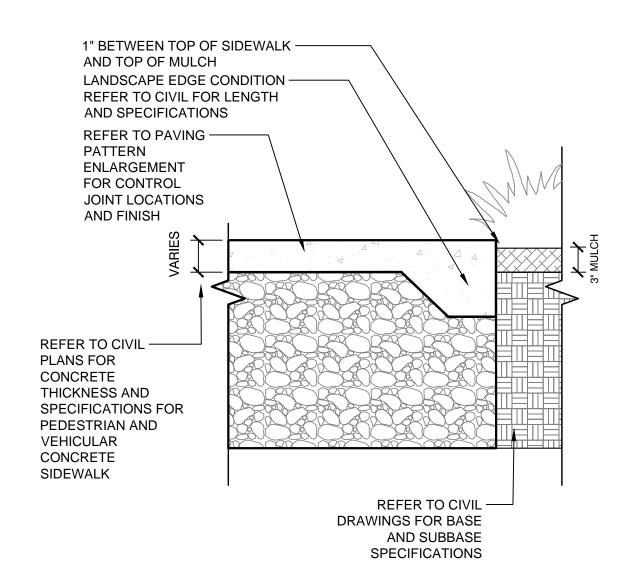
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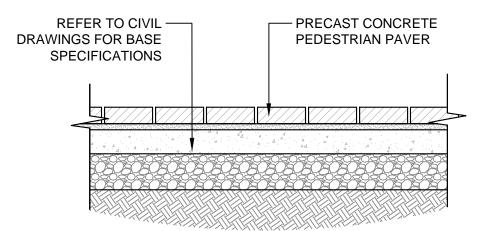
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MANUFACTURER: WAUSAU TILE TROY DAHLKE - FLORIDA REP. TROYD.WT@GMAIL.COM TEL: 813-334-0016

TYPE: HEXAGON

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.

PEDESTRIAN PAVERS 3/4" = 1'-0"

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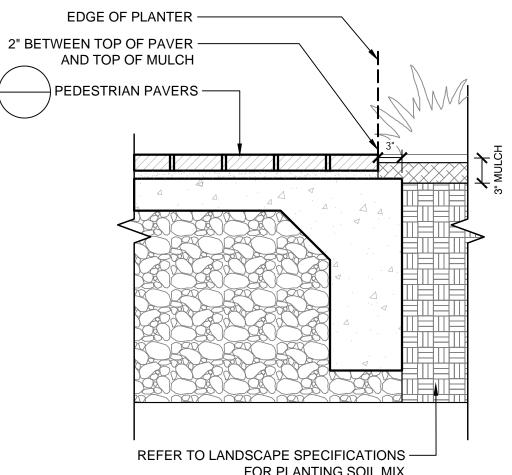
CONCRETE SIDEWALK

043-000-HSCP-CONC-03

# 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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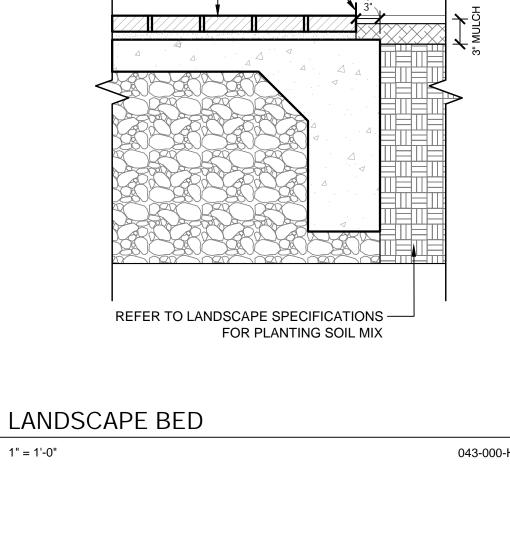
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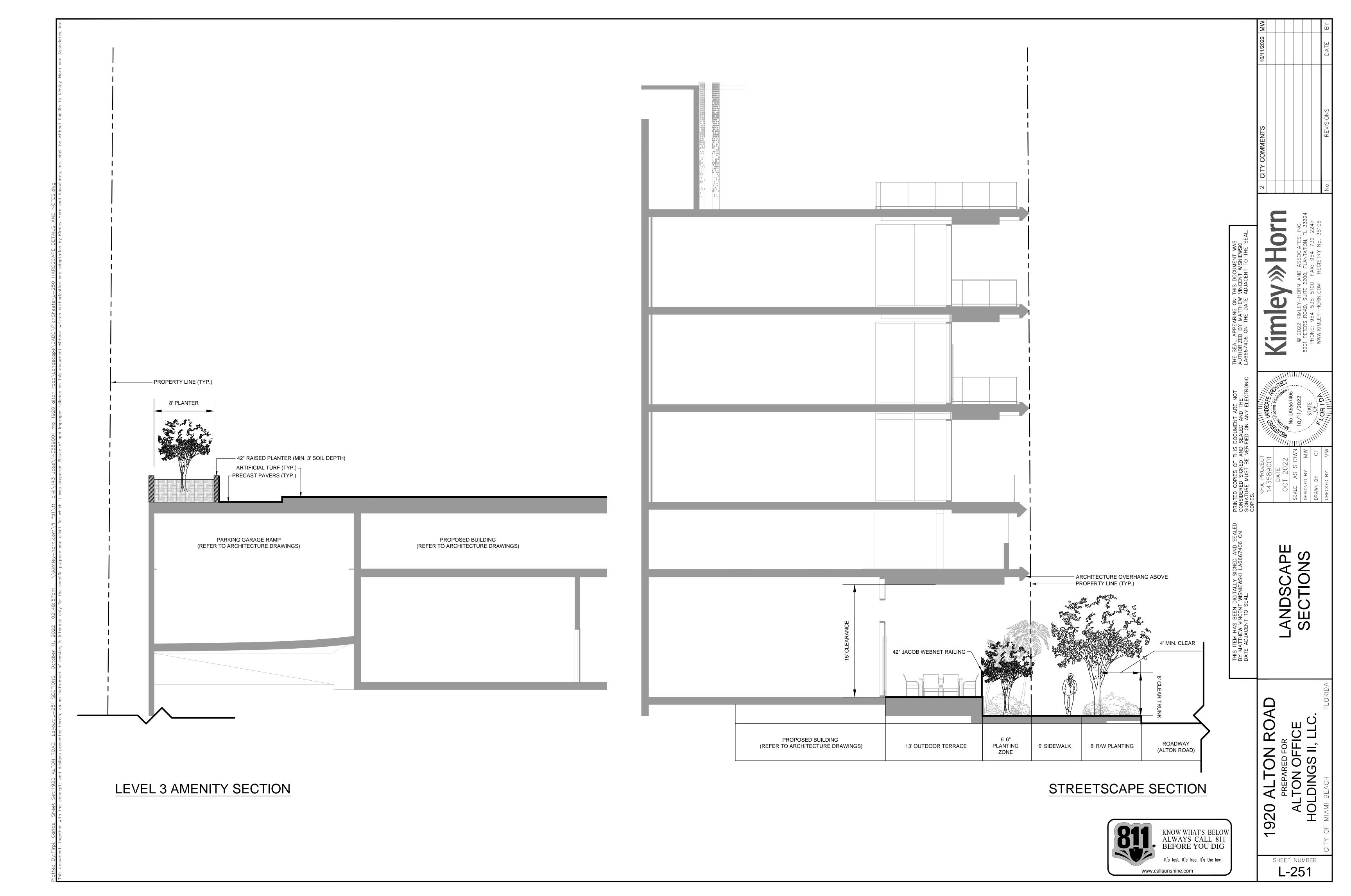
TAIL HARDSCAPE

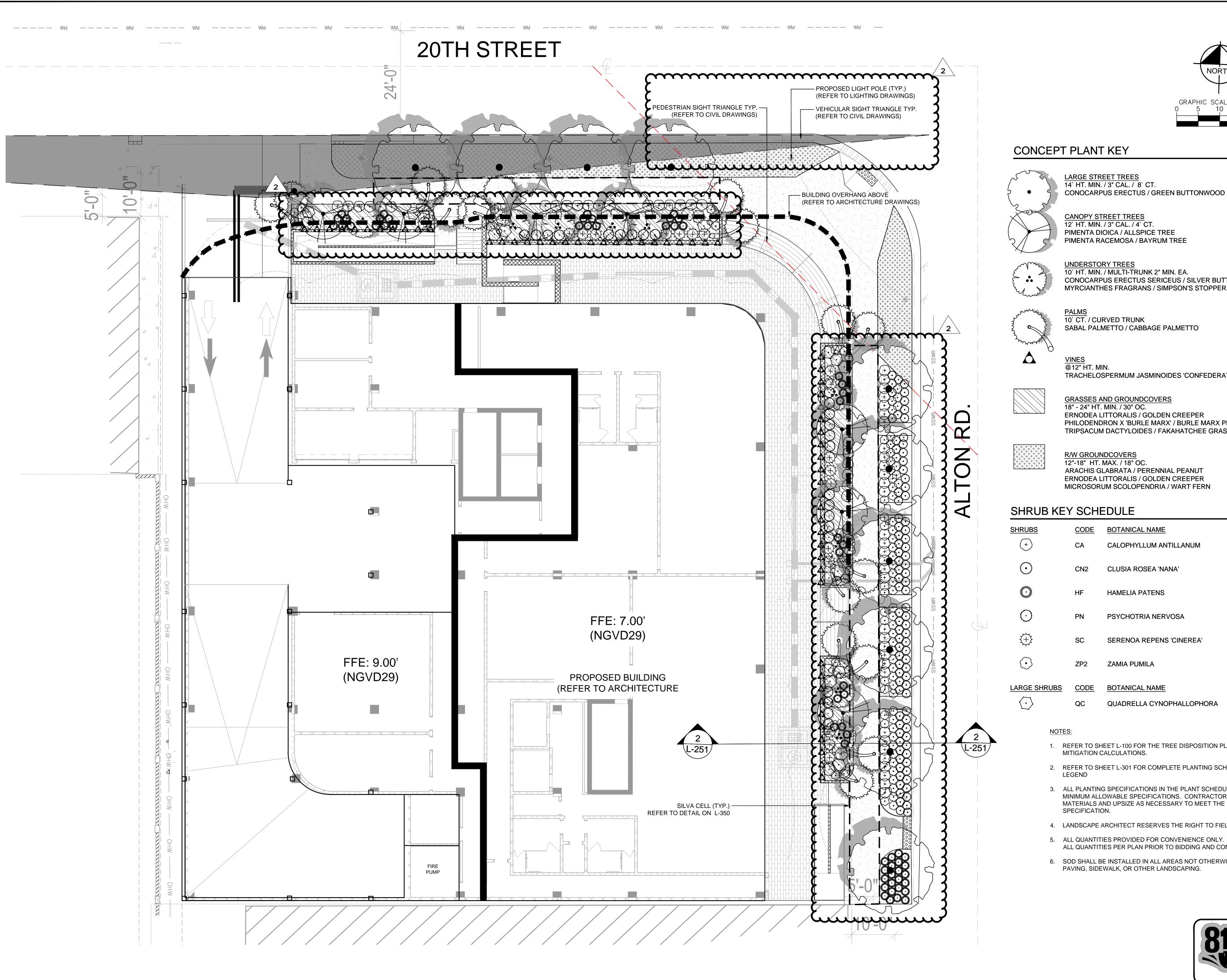
920 ALTON ROAD
PREPARED FOR
ALTON OFFICE
HOLDINGS II, LLC. 1920

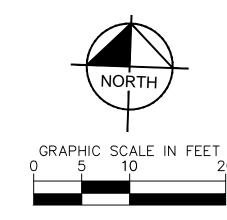
SHEET NUMBER L-250

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# **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. CONOCARPUS ERECTUS SERICEUS / SILVER BUTTONWOOD

PALMS 10` CT. / CURVED TRUNK SABAL PALMETTO / CABBAGE PALMETTO

TRACHELOSPERMUM JASMINOIDES 'CONFEDERATE' / CONFEDERATE JASMINE

GRASSES AND GROUNDCOVERS 18" - 24" HT. MIN. / 30" OC. ERNODEA LITTORALIS / GOLDEN CREEPER PHILODENDRON X 'BURLE MARX' / BURLE MARX PHILODENDRON TRIPSACUM DACTYLOIDES / FAKAHATCHEE GRASS

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
+	CA	CALOPHYLLUM ANTILLANUM	BRAZILIAN BEAUTY LEAF
0	CN2	CLUSIA ROSEA 'NANA'	DWARF PITCH APPLE
	HF	HAMELIA PATENS	FIREBUSH
$\odot$	PN	PSYCHOTRIA NERVOSA	WILD COFFEE
<del>{+}</del> }	SC	SERENOA REPENS 'CINEREA'	SILVER SAW PALMETTO
$\odot$	ZP2	ZAMIA PUMILA	COONTIE CYCAD
LARGE SHRUBS	CODE	BOTANICAL NAME	COMMON NAME
$\overline{\bigcirc}$	QC	QUADRELLA CYNOPHALLOPHORA	JAMAICAN 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.



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SHEET NUMBER L-300

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# CONCEPT PLANT SCHEDULE

LARGE STREET TREES  14` HT. MIN. / 3" CAL. / 8` CT.  CONOCARPUS ERECTUS / GREEN BUTTONWOOD
CANOPY STREET TREES  12` HT. MIN. / 3" CAL. / 4` CT.  PIMENTA DIOICA / ALLSPICE TREE  PIMENTA RACEMOSA / BAYRUM TREE

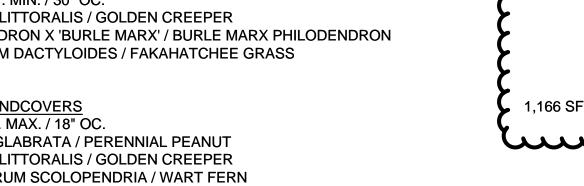
com	UNDERSTORY TREES
۲ کے	10` HT. MIN. / MULTI-TRUNK 2" MIN. EA.
	CONOCARPUS ERECTUS SERICEUS / SILVER BUTTONWOOD
E ST	MYRCIANTHES FRAGRANS / SIMPSON'S STOPPER



VINES @12" HT. MIN. TRACHELOSPERMUM JASMINOIDES 'CONFEDERATE' / CONFEDERATE JASMINE

GRASSES AND GROUNDCOVERS 18" - 24" HT. MIN. / 30" OC. ERNODEA LITTORALIS / GOLDEN CREEPER PHILODENDRON X 'BURLE MARX' / BURLE MARX PHILODENDRON TRIPSACUM DACTYLOIDES / FAKAHATCHEE GRASS

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



1,375 SF

# SHRUB SCHEDULE

<u>SHRUBS</u>	CODE	QTY	BOTANICAL / COMMON NAME	CONT	<u>SPACING</u>	SIZE	<u>NATIVE</u>
+	CA E	61	CALOPHYLLUM ANTILLANUM BRAZILIAN BEAUTY LEAF	CONT.	30" O.C.	24" HT MIN	NO
$\odot$	CN2	86	CLUSIA ROSEA 'NANA' DWARF PITCH APPLE	CONT.	24" O.C.	18" HT MIN	NO
WANTER STATE OF THE STATE OF TH	HF E	60	HAMELIA PATENS FIREBUSH	CONT.	30" O.C.	18" HT MIN	YES
$\odot$	PN	24	PSYCHOTRIA NERVOSA WILD COFFEE	CONT.	30" O.C.	24" HT. MIN.	YES
<del>{+</del> }	SC }	17	SERENOA REPENS 'CINEREA' SILVER SAW PALMETTO	CONT.	30" O.C.	24" HT. MIN.	YES
$\odot$	ZP2	88	ZAMIA PUMILA COONTIE CYCAD	CONT.	24" O.C.	18" HT MIN	YES
LARGE SHRUBS	CODE	<u>QTY</u>	BOTANICAL / COMMON NAME	CONT	SPACING	SIZE	NATIVE
$\langle \cdot \rangle$	QC	24	QUADRELLA CYNOPHALLOPHORA JAMAICAN CAPER 2	CONT.	AS SHOWN	6` HT MIN.	YES

- 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

# MIAMI BEACH LANDSCAPE LEGEND

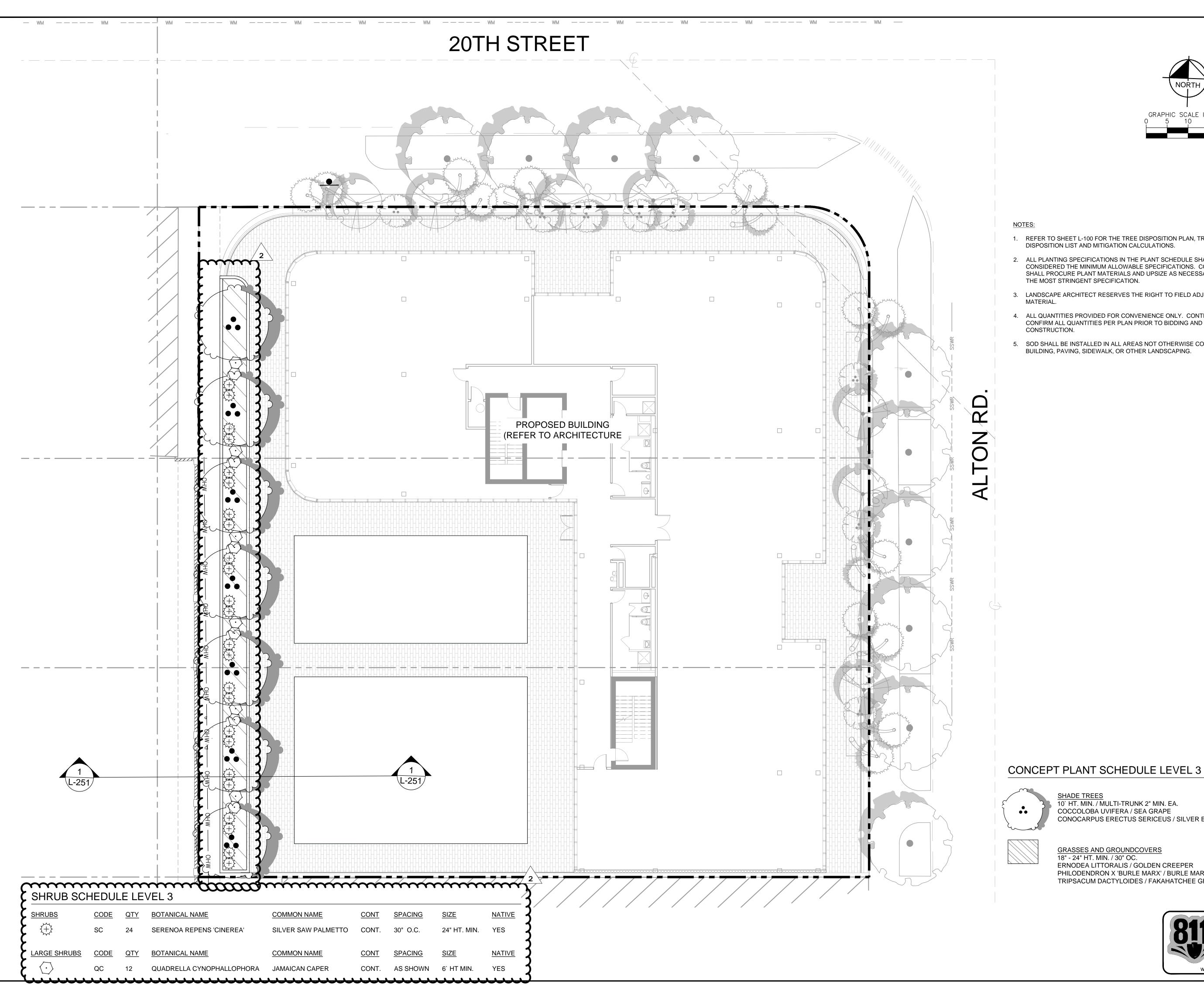
	Zoning District CD-2 Net Lot Area: 0.586	Acres or	<b>25,526</b> SF	<del>-</del>	
OP	EN SPACE			REQUIRED	PROVIDED
Α.	Square feet of open space required by Chp. 126, as indicated on site plan:				
	Net Lot area = <u>25,526</u> x <u>25%</u>			<b>6,382</b> SF	<b>6,382</b> SF
LA۱	WN AREA CALCULATION				
Α.	Total square feet of landscape open space required by Chp. 126 =			<b>6,382</b> SF	
B.	Maximum lawn area permitted = 20% x required landscape open s	pace =		<b>1,276</b> SF	n/a SF
TR	EES				
Α.	The number of site trees required per net lot area =	22 site tre	ees per net lot area		
	less the existing number of trees that meet minimum requirements	0 existing	g trees	Lumm	
	required trees x net lot acreage =	13 trees	- existing trees	13 trees	13 trees
В.	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	s x 50% =		7 trees	10 trees
D.	Street trees along 20th street (max. average spacing of 20' O.			<b>&gt;</b>	
	147 linear feet along street / 20 =			8 trees	8 trees
Ε.	Street trees along Alton Road (max. average spacing of 20' O.C.):			<b>T</b>	
	180 linear feet along street / 20 =			9 trees	9 trees
F.	Total number of trees provided: required site trees + street trees =			30 trees	30 trees
SH	RUBS			}	
Α.	The total number of trees required $x 12 = $ the number of shrubs required			360 shrubs	360 shrubs*
B.	The number of shrubs required $x 50\%$ = the number of native shrubs require	d		180 shrubs	190 shrubs
C.	The total number of shrubs required x $10\%$ = the number of large shrubs req	uired		36 shrubs	36 shrubs*
IRE	IGATION PLAN			www	$\dots$
🗤	Required by Chp. 126:				
	Auto Irrigation x				
	Hose Bibs				

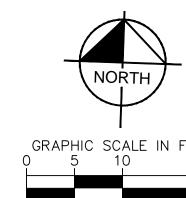
\*ADDITIONAL EXCESS OF 24 SHRUBS AND 12 LARGE SHRUBS ARE BEING PROVIDED ON LEVEL 3. REFER TO SHEET L-320. OR PER SECTION 126-6.J APPLICANT MAY ENTER AN AGREEMENT WITH THE CITY. AS APPROVED BY THE PLANNING DEPARTMENT, TO PLANT EXCESS NUMBER OF REQUIRED TREES, LARGE SHRUBS, AND SHRUBS ON PUBLIC PROPERTY.\*

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SHEET NUMBER L-301

**ALTON ROA** 





- 1. REFER TO SHEET L-100 FOR THE TREE DISPOSITION PLAN, TREE DISPOSITION LIST AND MITIGATION CALCULATIONS.
- 2. 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.
- CONFIRM ALL QUANTITIES PER PLAN PRIOR TO BIDDING AND

3. LANDSCAPE ARCHITECT RESERVES THE RIGHT TO FIELD ADJUST ALL PLANT

4. ALL QUANTITIES PROVIDED FOR CONVENIENCE ONLY. CONTRACTOR SHALL

5. SOD SHALL BE INSTALLED IN ALL AREAS NOT OTHERWISE COVERED BY BUILDING, PAVING, SIDEWALK, OR OTHER LANDSCAPING.

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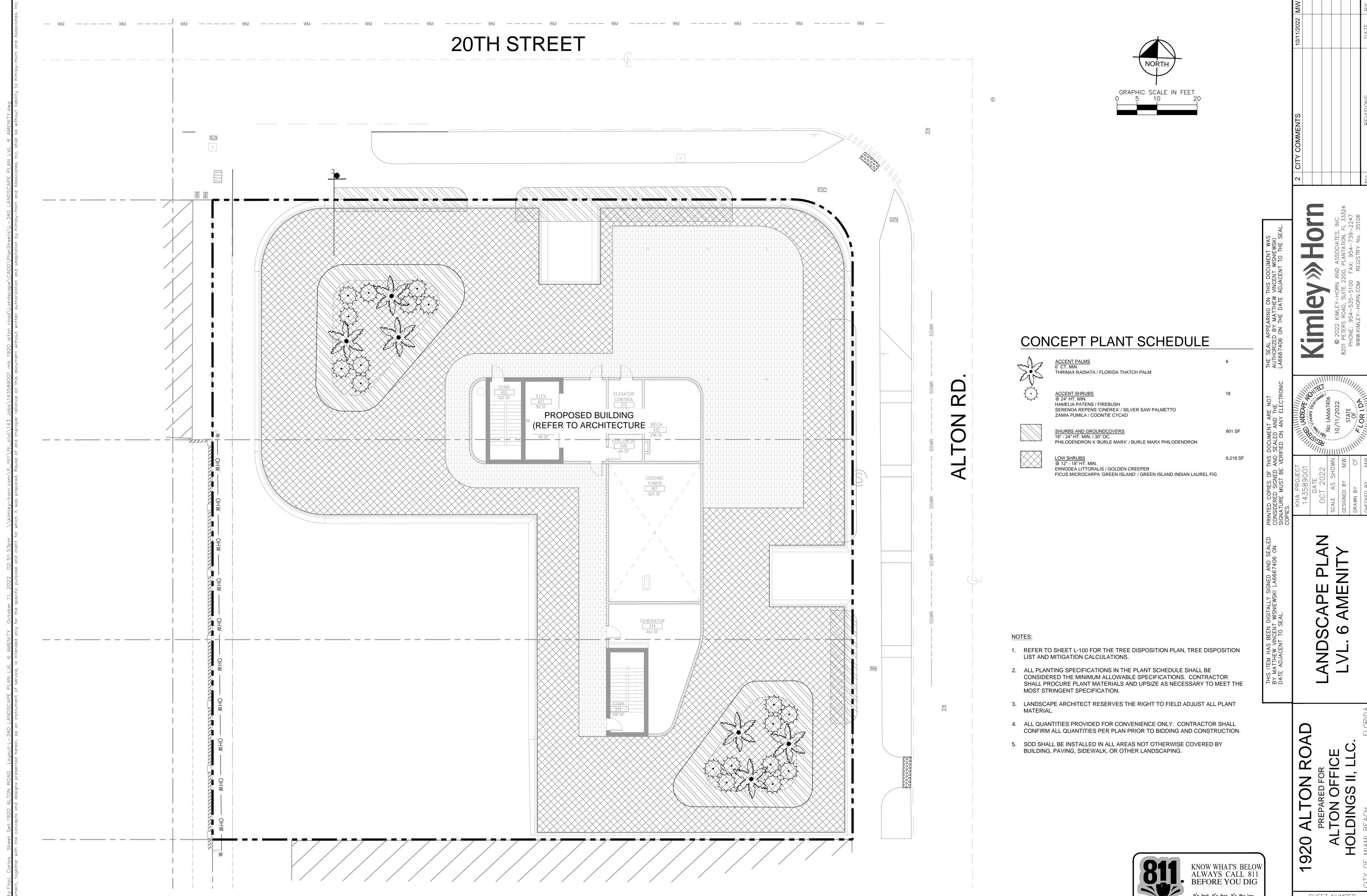
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SHEET NUMBER L-320

10` HT. MIN. / MULTI-TRUNK 2" MIN. EA.
COCCOLOBA UVIFERA / SEA GRAPE
CONOCARPUS ERECTUS SERICEUS / SILVER BUTTONWOOD

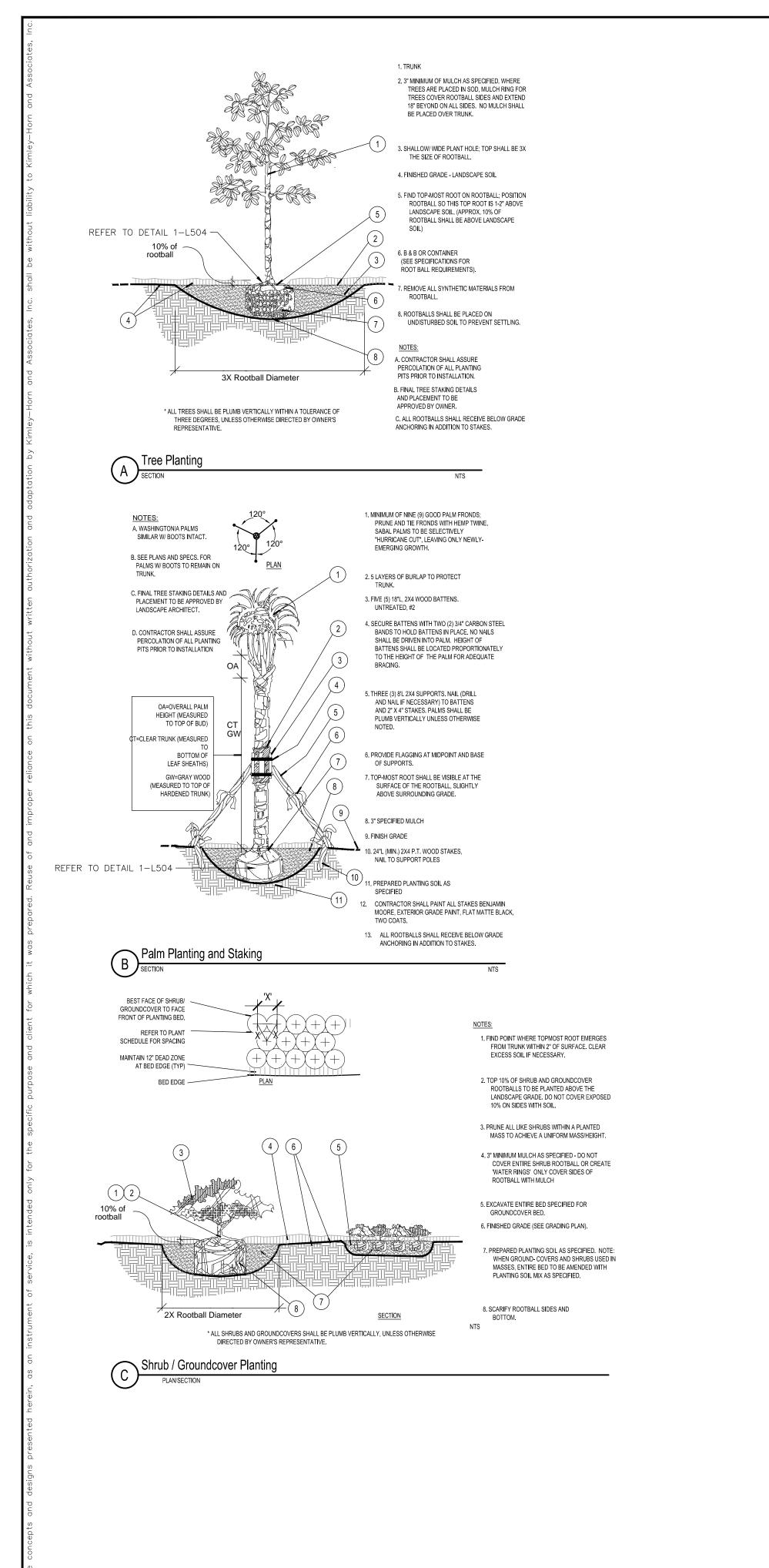
GRASSES AND GROUNDCOVERS 18" - 24" HT. MIN. / 30" OC. ERNODEA LITTORALIS / GOLDEN CREEPER PHILODENDRON X 'BURLE MARX' / BURLE MARX PHILODENDRON TRIPSACUM DACTYLOIDES / FAKAHATCHEE GRASS

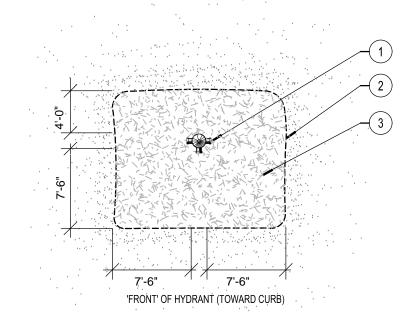


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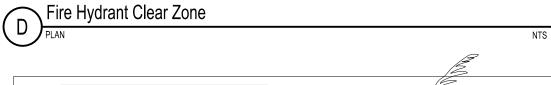
L-340

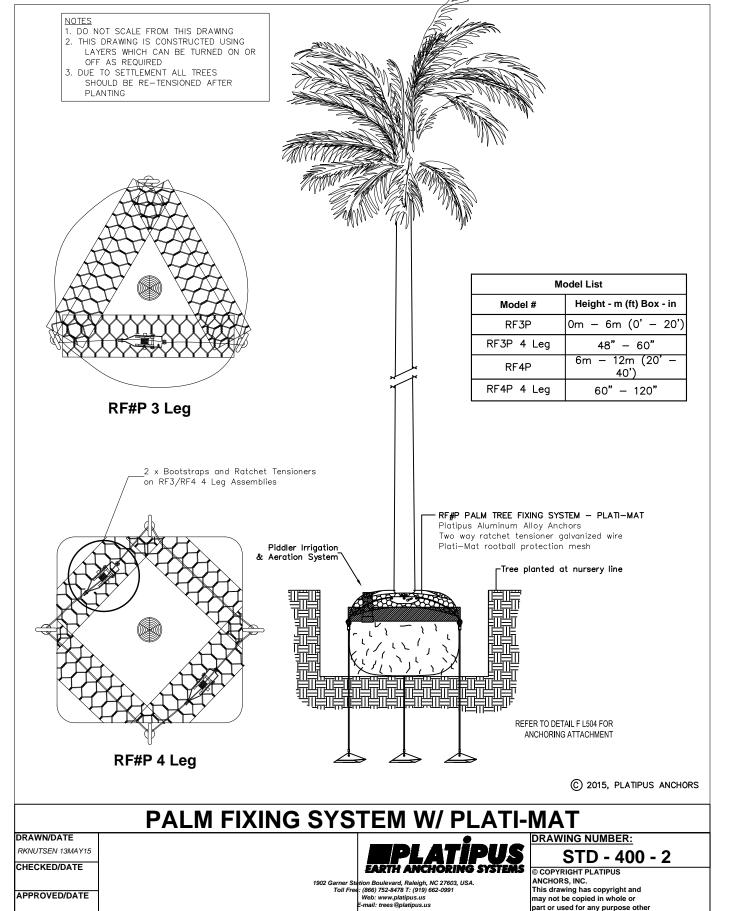




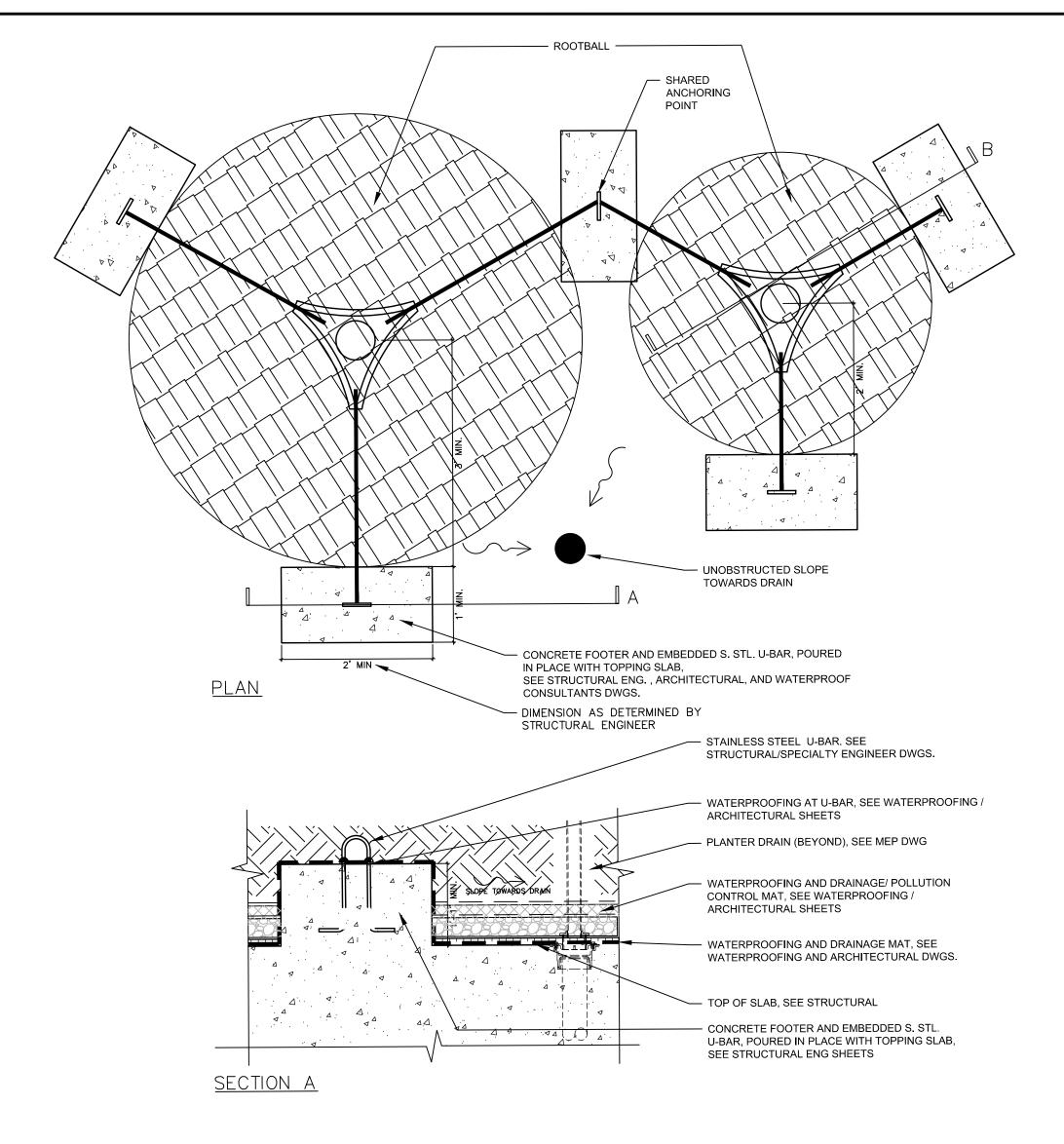
 FIRE HYDRANT 2. NO PLANT MATERIAL SHALL BE PLACED WITHIN SHOWN RADIUS OF ALL PROPOSED OR EXISTING FIRE HYDRANTS. CONTRACTOR SHALL ADJUST PLANT MATERIAL SO THAT NO CONFLICTS WITH FIRE HYDRANTS OCCUR ON SITE.

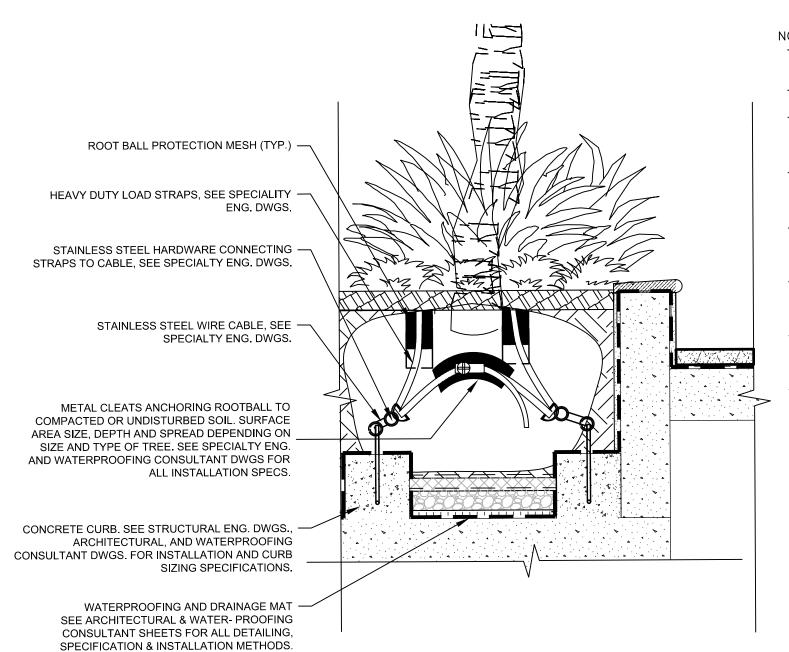
3 PROVIDE A MULCH, 3" DEPTH MIN., SURROUNDING AREA INDICATED.





PALM ROOTBALL FIXING SYSTEM DETAIL SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL SUBMIT ENGINEERED SHOP DRAWINGS FOR REVIEW AND APPROVAL BY STRUCTURAL ENGINEER PRIOR TO PROCUREMENT, FABRICATION, AND





 BELOW GRADE ROOTBALL ANCHORING SYSTEM SHOWN IN THIS DETAIL IS TO BE USED ON ALL TREES AND PALMS. DETAIL FOR DESIGN INTENT PURPOSES

- SEE STRUCTURAL ENG. SHEETS FOR CONCRETE FOOTER, TOPPING SLAB AND EMBEDDED U-BAR DETAILS AND

SPECIFICATIONS. SEE WATERPROOFING CONSULTANT / ARCHITECTURAL SHEETS FOR DRAINAGE

MAT WATERPROOFING DETAIL AND SPECIFICATIONS. SEE WATERPROOFING CONSULTANT / ARCHITECTURAL SHEETS FOR ALL MECHANICAL AND SPECIALTY ENGINEERED POINT OF CONNECTIONS. SEE PLATIPUS EARTH ANCHORING SYSTEM

FOR ALL MECHANICAL DETAILS, SPECIFICATIONS AND INSTALLATION RECOMMENDATIONS. BELOW GRADE TREE ANCHOR SAMPLE TO BE APPROVED BY LANDSCAPE ARCHITECT, STRUCTURAL ENGINEER AND ARCHITECT PRIOR TO CONSTRUCTION. TREE AND PALM ANCHORING SYSTEMS TO BE PROVIDED BY PLATIPUS TREE

ANCHORING SPECIALTY ENGINEERS, OR APPROVED EQUAL. - ANGLE AND LOCATION OF CONCRETE FOOTER VARIES TO FIT SITE CONDITIONS. CONTRACTOR TO PROVIDE FOOTER LAYOUT TO LANDSCAPE ARCHITECT, STRUCTURAL ENGINEER AND ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION - CONTRACTOR TO SUBMIT SHOP DRAWING TO LANDSCAPE ARCHITECT, STRUCTURAL ENGINEER AND ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION. SEE ARCHITECTURAL DRAWINGS FOR ALL

PLANTER SLOPES. CONTRACTOR TO HAVE PRE-CONSTRUCTION CONFERENCE WITH ARCHITECT, STRUCTURAL ENG. WATERPROOFING CONSULTANT., PLATIPUS TREE ANCHOR SPECIALTY ENG./REPRESENATIVE AND LANDSCAPE ARCHITECT TO CONFIRM INSTALLATION SPECIFICATIONS AND METHODS FOR CONCRETE CURBING, METAL CLEATING, WATERPROOFING AND DRAINAGE.

SECTION B - CURB ANCHORING

BELOW GRADE ROOTBALL ANCHORING DETAIL



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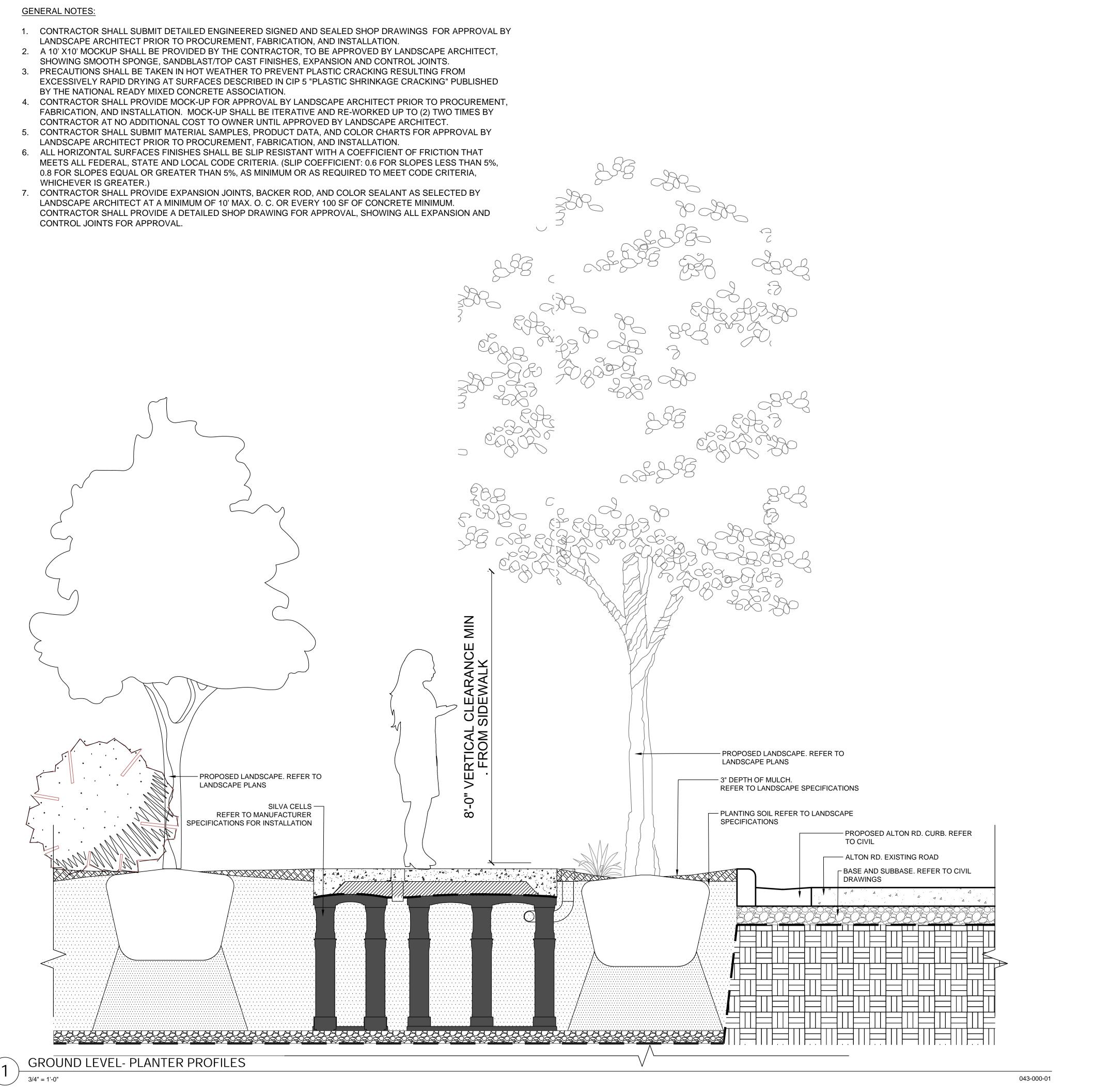
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1. THE WORK CONSISTS OF: FURNISHING ALL LABOR, MATERIALS, EQUIPMENT, TOOLS, TRANSPORTATION, AND ANY OTHER APPURTENANCES NECESSARY FOR THE COMPLETION OF THIS PROJECT AS SHOWN ON THE DRAWINGS, AS INCLUDED IN THE PLANT LIST, AND AS HEREIN SPECIFIED.

2. WORK SHALL INCLUDE MAINTENANCE AND WATERING OF ALL CONTRACT PLANTING AREAS UNTIL CERTIFICATION OF ACCEPTABILITY BY THE OWNER.

### B. PROTECTION OF EXISTING STRUCTURES

ALL EXISTING BUILDINGS, WALKS, WALLS, PAVING, PIPING, OTHER SITE CONSTRUCTION ITEMS, AND PLANTING ALREADY COMPLETED OR ESTABLISHED SHALL BE PROTECTED FROM DAMAGE BY THE CONTRACTOR UNLESS OTHERWISE SPECIFIED. ALL DAMAGE RESULTING FROM NEGLIGENCE SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER, AT NO COST TO THE OWNER.

### C. PROTECTION OF EXISTING PLANT MATERIALS OUTSIDE LIMIT OF WORK

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UNAUTHORIZED CUTTING OR DAMAGE TO TREES AND SHRUBS EXISTING OR OTHERWISE, CAUSED BY CARELESS EQUIPMENT OPERATION, MATERIAL STOCKPILING, ETC. THIS SHALL INCLUDE COMPACTION BY DRIVING OR PARKING INSIDE THE DRIP-LINE AND SPILLING OIL, GASOLINE, OR OTHER DELETERIOUS MATERIALS WITHIN THE DRIP-LINE. NO MATERIALS SHALL BE BURNED WHERE HEAT WILL DAMAGE ANY PLANT. EXISTING TREES KILLED OR DAMAGED SO THAT THEY ARE MISSHAPEN AND/ OR UNSIGHTLY SHALL BE REPLACED AT THE COST TO THE CONTRACTOR OF ONE HUNDRED DOLLARS (\$100) PER CALIPER INCH ON AN ESCALATING SCALE WHICH ADDS AN ADDITIONAL TWENTY (20) PERCENT PER INCH OVER FOUR (4) INCHES CALIPER AS FIXED AND AGREED LIQUIDATED DAMAGES. CALIPER SHALL BE MEASURED SIX (6) INCHES ABOVE GROUND LEVEL FOR TREES UP TO AND INCLUDING FOUR (4) INCHES IN CALIPER AND TWELVE (12) INCHES ABOVE GROUND LEVEL FOR TREES OVER FOUR (4) INCHES IN CALIPER.

### D. MATERIALS

MATERIALS LISTED BELOW SHALL BE SUBMITTED FOR APPROVAL. UPON SUBMITTALS' APPROVAL, DELIVERY OF MATERIALS MAY COMMENCE.

PRODUCT DATA

TOPSOIL MIX AMENDMENT MIX/ PRODUCT DATA/ TEST RESULTS

PLANTS PHOTOGRAPHS OF ONE (1) OF EACH SPECIES (OR TAGGED IN NURSERY) INDICATE SIZES (HEIGHT/WIDTH) AND QUALITY PER SPEC.

CLIENT-REQUESTED TAGGING MAY SUBSTITUTE PHOTOS. FERTILIZER PRODUCT DATA

INNOCULANT PRODUCT DATA HERBICIDE PRODUCT DATA

### 2. PLANT MATERIALS

A. PLANT SPECIES AND SIZE SHALL CONFORM TO THOSE INDICATED ON THE DRAWINGS. NOMENCLATURE SHALL CONFORM TO STANDARDIZED PLANT NAMES, 1942 EDITION. ALL NURSERY STOCK SHALL BE IN ACCORDANCE WITH GRADES AND STANDARDS FOR NURSERY PLANTS, LATEST EDITION, PUBLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES. ALL PLANTS SHALL BE FLORIDA GRADE NO. 1 OR BETTER AS DETERMINED BY THE FLORIDA DIVISION OF PLANT INDUSTRY. ALL PLANTS SHALL BE HEALTHY, VIGOROUS, SOUND, WELL-BRANCHED, AND FREE OF DISEASE AND INSECTS, INSECT EGGS AND LARVAE AND SHALL HAVE ADEQUATE ROOT SYSTEMS. TREES FOR PLANTING IN ROWS SHALL BE UNIFORM IN SIZE AND SHAPE. ALL MATERIALS SHALL BE SUBJECT TO APPROVAL BY THE OWNER. WHERE ANY REQUIREMENTS ARE OMITTED FROM THE PLANT LIST, THE PLANTS FURNISHED SHALL BE NORMAL FOR THE VARIETY. PLANTS SHALL BE PRUNED PRIOR TO DELIVERY ONLY WITH APPROVAL FROM OWNER OR OWNER'S REPRESENTATIVE. NO SUBSTITUTIONS SHALL BE MADE WITHOUT WRITTEN PERMISSION FROM THE OWNER'S REPRESENTATIVE

B. MEASUREMENTS: THE HEIGHT AND/OR WIDTH OF TREES SHALL BE MEASURED FROM THE GROUND OR ACROSS THE NORMAL SPREAD OF BRANCHES WITH THE PLANTS IN THEIR NORMAL POSITION. THIS MEASUREMENT SHALL NOT INCLUDE THE IMMEDIATE TERMINAL GROWTH. PLANTS LARGER IN SIZE THAN THOSE SPECIFIED IN THE PLANT LIST MAY BE USED IF APPROVED BY THE OWNER. IF THE USE OF LARGER PLANTS IS APPROVED, THE BALL OF EARTH OR SPREAD OF ROOTS SHALL BE INCREASED IN PROPORTION TO THE SIZE OF THE PLANT.

C. INSPECTION: PLANTS SHALL BE SUBJECT TO INSPECTION AND APPROVAL AT THE PLACE OF GROWTH, OR UPON DELIVERY TO THE SITE, AS DETERMINED BY THE OWNER, FOR QUALITY, SIZE, AND VARIETY; SUCH APPROVAL SHALL NOT IMPAIR THE RIGHT OF INSPECTION AND REJECTION AT THE SITE DURING PROGRESS OF THE WORK OR AFTER COMPLETION FOR SIZE AND CONDITION OF ROOT BALLS OR ROOTS, LATENT DEFECTS OR INJURIES. REJECTED PLANTS SHALL BE REMOVED IMMEDIATELY FROM THE SITE. NOTICE REQUESTING INSPECTION SHALL BE SUBMITTED IN WRITING BY THE CONTRACTOR AT LEAST ONE (1) WEEK PRIOR TO ANTICIPATED DATE.

# E. SOIL MIXTURE (PLANTING MEDIUM, PLANTING MIX, TOPSOIL MIX)

1. SOIL MIXTURE (PLANTING MEDIUM FOR PLANT PITS) SHALL CONSIST OF 70% COARSE SAND AND 30% FLORIDA PEAT, AS DESCRIBED BELOW.

2. TOPSOIL FOR USE IN PREPARING SOIL MIXTURE FOR BACKFILLING PLANT PITS SHALL BE FERTILE, FRIABLE, AND OF A LOAMY CHARACTER; REASONABLY FREE OF SUBSOIL, CLAY LUMPS, BRUSH WEEDS AND OTHER LITTER; FREE OF ROOTS, STUMPS, STONES LARGER THAN 2" IN ANY DIRECTION, AND OTHER EXTRANEOUS OR TOXIC MATTER HARMFUL TO PLANT GROWTH. IT SHALL HAVE A PH BETWEEN 5.5 AND 7.0 - SUBMIT SAMPLE AND PH TESTING RESULTS FOR APPROVAL.

3. SAND SHALL BE COARSE, CLEAN, WELL-DRAINING, NATIVE SAND, CONTRACTOR SHALL SUBMIT RESULTS OF SOIL TEST FOR TOPSOIL AND SAND PROPOSED FOR USE UNDER THIS CONTRACT FOR APPROVAL BY THE OWNER.

4. CONTRACTOR TO SUBMIT SAMPLES OF SOIL MIXTURE FOR OWNER'S REPRESENTATIVE APPROVAL PRIOR TO PLANT INSTALLATION OPERATIONS COMMENCE.

# 5. CONTRACTOR SHALL PROVIDE PH TEST RESULT FOR ALL MIX COMPONENTS.

6. CONTRACTOR SHALL PROVIDE PENETROMETER ON-SITE AT ALL TIMES FOR COMPACTION INSPECTION AT THE DISCRETION OF THE LANDSCAPE ARCHITECT.

7. PENETROMETER CRITERIA / SPECIFICATION SHALL RANGE FROM APPROX. 75 PSI TO LESS THAN 300 PSI OR AS DETERMINE BY

8. SOIL SHALL BE SUPPLIED BY ATLAS PEAT & SOIL INC. 9621 STATE RD, BOYNTON BEACH, FLORIDA 33472. PHONE: 561-734-7300.

9. FINAL MIX SHALL BE TESTED TO HAVE A SATURATED WEIGHT OF NO MORE THAN 110 POUNDER PER CUBIC FOOT WHEN COMPACTED TO 85% STANDARDS PROCTOR.

F. WATER

### G. FERTILIZER

CONTRACTOR SHALL PROVIDE FERTILIZER APPLICATION SCHEDULE TO OWNER, AS APPLICABLE TO SOIL TYPE, PLANT INSTALLATION TYPE, AND SITE'S PROPOSED USE. SUGGESTED FERTILIZER TYPES SHALL BE ORGANIC OR OTHERWISE NATURALLY-DERIVED.

\*FERTILIZER RESTRICTIONS MAY APPLY - REFER TO PROPERTY'S JURISDICTIONAL AUTHORITY

MULCH MATERIAL SHALL BE MOISTENED AT THE TIME OF APPLICATION TO PREVENT WIND DISPLACEMENT, AND APPLIED AT A MINIMUM DEPTH OF 3 INCHES. CLEAR MULCH FROM EACH PLANT'S CROWN (BASE). TYPE OF MATERIAL: "FLORIMULCH" OR SHREDDED, STERILE EUCALYPTUS MULCH

### I. DIGGING AND HANDLING

1. PROTECT ROOTS OR ROOT BALLS OF PLANTS AT ALL TIMES FROM SUN, DRYING WINDS, WATER AND FREEZING, AS NECESSARY UNTIL PLANTING. PLANT MATERIALS SHALL BE ADEQUATELY PACKED TO PREVENT DAMAGE DURING TRANSIT. TREES TRANSPORTED MORE THAN TEN (10) MILES OR WHICH ARE NOT PLANTED WITHIN THREE (3) DAYS OF DELIVERY TO SITE SHALL BE SPRAYED WITH AN ANTITRANSPIRANT PRODUCT ("WILTPRUF" OR EQUAL) TO MINIMIZE TRANSPIRATIONAL WATER LOSS.

2. BALLED AND BURLAPPED PLANTS (B&B) SHALL BE DUG WITH FIRM, NATURAL BALLS OF SOIL OF SUFFICIENT SIZE TO ENCOMPASS THE FIBROUS AND FEEDING ROOTS OF THE PLANTS. NO PLANTS MOVED WITH A ROOT BALL SHALL BE PLANTED IF THE BALL IS CRACKED OR BROKEN. PLANTS BALLED AND BURLAPPED OR CONTAINER GROWN SHALL NOT BE HANDLED BY STEMS.

3. PLANTS MARKED "BR" IN THE PLANT LIST SHALL BE DUG WITH BARE ROOTS, COMPLYING WITH FLORIDA GRADES AND STANDARDS FOR NURSERY PLANTS, CURRENT EDITION. CARE SHALL BE EXERCISED THAT THE ROOTS DO NOT DRY OUT DURING TRANSPORTATION AND PRIOR TO PLANTING.

4. PROTECTION OF PALMS (IF APPLICABLE): ONLY A MINIMUM OF FRONDS SHALL BE REMOVED FROM THE CROWN OF THE PALM TREES TO FACILITATE MOVING AND HANDLING. CLEAR TRUNK (CT) SHALL BE AS SPECIFIED AFTER THE MINIMUM OF FRONDS HAVE BEEN REMOVED. ALL PALMS SHALL BE BRACED PER PALM PLANTING DETAIL.

5. EXCAVATION OF TREE PITS SHALL BE PERFORMED USING EXTREME CARE TO AVOID DAMAGE TO SURFACE AND SUBSURFACE ELEMENTS SUCH AS UTILITIES OR HARDSCAPE ELEMENTS, FOOTERS AND PREPARED SUB-BASES.

### J. CONTAINER GROWN STOCK

1. ALL CONTAINER GROWN MATERIAL SHALL BE HEALTHY, VIGOROUS, WELL-ROOTED PLANTS ESTABLISHED IN THE CONTAINER IN WHICH THEY ARE SOLD. THE PLANTS SHALL HAVE TOPS WHICH ARE OF GOOD QUALITY AND ARE IN A HEALTHY GROWING CONDITION, FLORIDA #1 OR BETTER.

2. AN ESTABLISHED CONTAINER GROWN PLANT SHALL BE TRANSPLANTED INTO A CONTAINER AND GROWN IN THAT CONTAINER SUFFICIENTLY LONG FOR THE NEW FIBROUS ROOTS TO HAVE DEVELOPED SO THAT THE ROOT MASS WILL RETAIN ITS SHAPE AND HOLD TOGETHER WHEN REMOVED FROM THE CONTAINER. CONTAINER GROWN STOCK SHALL NOT BE HANDLED BY

### 3. PLANT ROOTS BOUND IN CONTAINERS ARE NOT ACCEPTABLE.

4. SUBSTITUTION OF NON-CONTAINER GROWN MATERIAL FOR MATERIAL EXPLICITLY SPECIFIED TO BE CONTAINER GROWN WILL NOT BE PERMITTED WITHOUT WRITTEN APPROVAL IS OBTAINED FROM THE OWNER OR OWNER'S REPRESENTATIVE.

WHEN THE USE OF COLLECTED STOCK IS PERMITTED AS INDICATED BY THE OWNER OR OWNER'S REPRESENTATIVE, THE MINIMUM SIZES OF ROOTBALLS SHALL BE EQUAL TO THAT SPECIFIED FOR THE NEXT LARGER SIZE OF NURSERY GROWN STOCK OF THE SAME VARIETY.

PLANTS COLLECTED FROM WILD OR NATIVE STANDS SHALL BE CONSIDERED NURSERY GROWN WHEN THEY HAVE BEEN SUCCESSFULLY RE-ESTABLISHED IN A NURSERY ROW AND GROWN UNDER REGULAR NURSERY CULTURAL PRACTICES FOR A MINIMUM OF TWO (2) GROWING SEASONS AND HAVE ATTAINED ADEQUATE ROOT AND TOP GROWTH TO INDICATE FULL RECOVERY FROM TRANSPLANTING INTO THE NURSERY ROW.

# M. MATERIALS LIST

QUANTITIES NECESSARY TO COMPLETE THE WORK ON THE DRAWINGS SHALL BE FURNISHED BY THE CONTRACTOR. QUANTITY ESTIMATES HAVE BEEN MADE CAREFULLY, BUT THE LANDSCAPE ARCHITECT OR OWNER ASSUMES NO LIABILITY FOR OMISSIONS OR ERRORS. SHOULD A DISCREPANCY OCCUR BETWEEN THE PLANS AND THE PLANT LIST QUANTITY, THE LANDSCAPE ARCHITECT SHALL BE NOTIFIED FOR CLARIFICATION PRIOR TO BIDDING OR INSTALLATION. ALL DIMENSIONS AND/OR SIZES SPECIFIED SHALL BE THE MINIMUM ACCEPTABLE SIZE

# N. FINE GRADING

1. FINE GRADING UNDER THIS CONTRACT SHALL CONSIST OF FINAL FINISHED GRADING OF LAWN AND PLANTING AREAS THAT HAVE BEEN ROUGH GRADED BY OTHERS. BERMING AS SHOWN ON THE DRAWINGS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, UNLESS OTHERWISE NOTED.

2. THE CONTRACTOR SHALL FINE GRADE THE LAWN AND PLANTING AREAS TO BRING THE ROUGH GRADE UP TO FINAL FINISHED GRADE ALLOWING FOR THICKNESS OF SOD AND/OR MULCH DEPTH. THIS CONTRACTOR SHALL FINE GRADE BY HAND AND/OR WITH ALL EQUIPMENT NECESSARY INCLUDING A GRADING TRACTOR WITH FRONT-END LOADER FOR TRANSPORTING SOIL WITHIN THE SITE.

3. ALL PLANTING AREAS SHALL BE GRADED AND MAINTAINED FOR POSITIVE DRAINAGE TO SURFACE/SUBSURFACE STORM DRAIN SYSTEMS. AREAS ADJACENT TO BUILDINGS SHALL SLOPE AWAY FROM THE BUILDINGS. REFER TO CIVIL ENGINEER'S PLANS FOR FINAL GRADES.

# O. PLANTING PROCEDURES

1. CLEANING UP BEFORE COMMENCING WORK: THE CONTRACTOR SHALL CLEAN WORK AND SURROUNDING AREAS OF ALL RUBBISH OR OBJECTIONABLE MATTER. ALL MORTAR, CEMENT, AND TOXIC MATERIAL SHALL BE REMOVED FROM THE SURFACE OF ALL PLANT BEDS. THESE MATERIALS SHALL NOT BE MIXED WITH THE SOIL. SHOULD THE CONTRACTOR FIND SUCH SOIL CONDITIONS BENEATH THE SOIL WHICH WILL IN ANY WAY ADVERSELY AFFECT THE PLANT GROWTH, HE SHALL IMMEDIATELY CALL IT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE. FAILURE TO DO SO BEFORE PLANTING SHALL MAKE THE CORRECTIVE MEASURES THE RESPONSIBILITY OF THE CONTRACTOR.

3. SUBGRADE EXCAVATION: CONTRACTOR IS RESPONSIBLE TO REMOVE ALL EXISTING AND IMPORTED LIMEROCK AND LIMEROCK SUB-BASE FROM ALL LANDSCAPE PLANTING AREAS TO A MINIMUM DEPTH OF 36". CONTRACTOR IS RESPONSIBLE TO BACKFILL THESE PLANTING AREAS TO ROUGH FINISHED GRADE WITH CLEAN TOPSOIL FROM AN ON-SITE SOURCE OR AN IMPORTED SOURCE. IF LIMEROCK OR OTHER ADVERSE CONDITIONS OCCUR IN PLANTED AREAS AFTER 36" DEEP EXCAVATION BY THE CONTRACTOR, AND ADEQUATE PERCOLATION CAN NOT BE ACHIEVED, CONTRACTOR SHALL UTILIZE PLANTING DETAIL THAT ADDRESSES POOR DRAINAGE.

4. FURNISH NURSERY'S CERTIFICATE OF COMPLIANCE WITH ALL REQUIREMENTS AS HEREIN SPECIFIED AND REQUIRED. INSPECT AND SELECT PLANT MATERIALS BEFORE PLANTS ARE DUG AT NURSERY OR GROWING SITE.

5. GENERAL: COMPLY WITH APPLICABLE FEDERAL, STATE, COUNTY, AND LOCAL REGULATIONS GOVERNING LANDSCAPE MATERIALS AND WORK. CONFORM TO ACCEPTED HORTICULTURAL PRACTICES AS USED IN THE TRADE. UPON ARRIVAL AT THE SITE , PLANTS SHALL BE THOROUGHLY WATERED AND PROPERLY MAINTAINED UNTIL PLANTED. PLANTS STORED ON-SITE SHALL NOT REMAIN UNPLANTED FOR A PERIOD EXCEEDING TWENTY-FOUR (24) HOURS. AT ALL TIMES, METHODS CUSTOMARY IN GOOD HORTICULTURAL PRACTICES SHALL BE EXERCISED.

6. THE WORK SHALL BE COORDINATED WITH OTHER TRADES TO PREVENT CONFLICTS. COORDINATE PLANTING WITH IRRIGATION WORK TO ASSURE AVAILABILITY OF WATER AND PROPER LOCATION OF IRRIGATION APPURTENANCES AND

7. ALL PLANTING PITS SHALL BE EXCAVATED TO SIZE AND DEPTH IN ACCORDANCE WITH THE USA STANDARD FOR NURSERY STOCK 260.1, UNLESS SHOWN OTHERWISE ON THE DRAWINGS, AND BACKFILLED WITH THE PREPARED PLANTING SOIL MIXTURE AS SPECIFIED IN SECTION E. TEST ALL TREE PITS WITH WATER BEFORE PLANTING TO ASSURE PROPER DRAINAGE PERCOLATION IS AVAILABLE. NO ALLOWANCE WILL BE MADE FOR LOST PLANTS DUE TO IMPROPER PERCOLATION. IF POOR PERCOLATION EXISTS, UTILIZE "POOR DRAINAGE CONDITION" PLANTING DETAIL. TREES SHALL BE SET PLUMB AND HELD IN POSITION UNTIL THE PLANTING MIXTURE HAS BEEN FLUSHED INTO PLACE WITH A SLOW, FULL HOSE STREAM. ALL PLANTING SHALL BE PERFORMED BY PERSONNEL FAMILIAR WITH PLANTING PROCEDURES AND UNDER THE SUPERVISION OF A QUALIFIED LANDSCAPE FOREMAN. PROPER "JETTING IN" SHALL BE ASSURED TO ELIMINATE AIR POCKETS AROUND THE ROOTS. "JET STICK" OR EQUAL IS RECOMMENDED.

### 8. TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO BUILDINGS AND BUILDING STRUCTURES WHILE INSTALLING TREES.

9. SOIL MIXTURE SHALL BE AS SPECIFIED IN SECTION E OF THESE SPECIFICATIONS.

10. TREES AND SHRUBS SHALL BE SET STRAIGHT AT AN ELEVATION THAT, AFTER SETTLEMENT, THE PLANT CROWN WILL STAND ONE (1) TO TWO (2) INCHES ABOVE GRADE. EACH PLANT SHALL BE SET IN THE CENTER OF THE PIT. PLANTING SOIL MIXTURE SHALL BE BACKFILLED, THOROUGHLY TAMPED AROUND THE BALL, AND SETTLED BY WATER (AFTER TAMPING).

11. AMEND PINE AND OAK PLANT PITS WITH ECTOMYCORRHIZAL SOIL APPLICATION PER MANUFACTURER'S RECOMMENDATION. ALL OTHER PLANT PITS SHALL BE AMENDED WITH ENDOMYCORRHIZAL SOIL APPLICATION PER MANUFACTURER'S RECOMMENDATION. PROVIDE PRODUCT INFORMATION SUBMITTAL PRIOR TO INOCULATION.

12. FILL HOLE WITH SOIL MIXTURE, MAKING CERTAIN ALL SOIL IS SATURATED. TO DO THIS, FILL HOLE WITH WATER AND ALLOW TO SOAK MINIMUM TWENTY (20) MINUTES, STIRRING IF NECESSARY TO GET SOIL THOROUGHLY WET. PACK LIGHTLY WITH FEET. ADD MORE WET SOIL MIXTURE. DO NOT COVER TOP OF BALL WITH SOIL MIXTURE, ONLY WITH MULCH. ALL BURLAP, ROPE, WIRES, BASKETS, ETC.., SHALL BE REMOVED FROM THE SIDES AND TOPS OF BALLS, BUT NO BURLAP SHALL BE PULLED FROM UNDERNEATH.

13. PRUNING: TREES SHALL BE PRUNED, AT THE DIRECTION OF THE OWNER OR OWNER'S REPRESENTATIVE, TO PRESERVE THE NATURAL CHARACTER OF THE PLANT. ALL SOFT WOOD OR SUCKER GROWTH AND ALL BROKEN OR BADLY DAMAGED BRANCHES SHALL BE REMOVED WITH A CLEAN CUT. ALL PRUNING TO BE PERFORMED BY LICENSED ARBORIST, IN ACCORDANCE WITH ANSI A-300.

14, SHRUBS AND GROUND COVER PLANTS SHALL BE EVENLY SPACED IN ACCORDANCE WITH THE DRAWINGS AND AS INDICATED ON THE PLANT LIST. CULTIVATE ALL PLANTING AREAS TO A MINIMUM DEPTH OF 6", REMOVE AND DISPOSE ALL DEBRIS. MIX TOP 4" TO ACHEIVE SOIL MIXTURE AS SPECIFIED IN SECTION E. THOROUGHLY WATER ALL PLANTS AFTER INSTALLATION.

15. TREE GUYING AND BRACING SHALL BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH THE PLANS TO INSURE STABILITY AND MAINTAIN TREES IN AN UPRIGHT POSITION. IF THE CONTRACTOR AND OWNER DECIDE TO WAIVE THE TREE GUYING AND BRACING, THE OWNER SHALL NOTIFY THE LANDSCAPE ARCHITECT IN WRITING AND AGREE TO INDEMNIFY AND HOLD HARMLESS THE LANDSCAPE ARCHITECT IN THE EVENT UNSUPPORTED TREES PLANTED UNDER THIS CONTRACT FALL AND DAMAGE PERSON OR PROPERTY.

16. MULCHING: PROVIDE A THREE INCH (MINIMUM) LAYER OF SPECIFIED MULCH OVER THE ENTIRE AREA OF EACH SHRUB BED. GROUND COVER, VINE BED, AND TREE PIT PLANTED UNDER THIS CONTRACT.

17. HERBICIDE WEED CONTROL: ALL PLANT BEDS SHALL BE KEPT FREE OF NOXIOUS WEEDS UNTIL FINAL ACCEPTANCE OF WORK. IF DIRECTED BY THE OWNER, "ROUND-UP" SHALL BE APPLIED FOR WEED CONTROL BY QUALIFIED PERSONNEL TO ALL PLANTING AREAS IN SPOT APPLICATIONS PER MANUFACTURER'S PRECAUTIONS AND SPECIFICATIONS. PRIOR TO FINAL INSPECTION, TREAT ALL PLANTING BEDS WITH AN APPROVED PRE-EMERGENT HERBICIDE AT AN APPLICATION RATE RECOMMENDED BY THE MANUFACTURER. (AS ALLOWED BY JURISDICTIONAL AUTHORITY)

# P. LAWN SODDING

1. THE WORK CONSISTS OF LAWN BED PREPARATION, SOIL PREPARATION, AND SODDING COMPLETE, IN STRICT ACCORDANCE WITH THE SPECIFICATIONS AND THE APPLICABLE DRAWINGS TO PRODUCE A TURF GRASS LAWN ACCEPTABLE TO THE

2. LAWN BED PREPARATION: ALL AREAS THAT ARE TO BE SODDED SHALL BE CLEARED OF ANY ROUGH GRASS, WEEDS, AND DEBRIS, AND THE GROUND BROUGHT TO AN EVEN GRADE. THE ENTIRE SURFACE SHALL BE ROLLED WITH A ROLLER WEIGHING NOT MORE THAN ONE-HUNDRED (100) POUNDS PER FOOT OF WIDTH. DURING THE ROLLING, ALL DEPRESSIONS CAUSED BY SETTLEMENT SHALL BE FILLED WITH ADDITIONAL SOIL, AND THE SURFACE SHALL BE REGRADED AND ROLLED UNTIL PRESENTING A SMOOTH AND EVEN FINISH TO THE REQUIRED GRADE.

3. SOIL PREPARATION: PREPARE LOOSE BED FOUR (4) INCHES DEEP. HAND RAKE UNTIL ALL BUMPS AND DEPRESSIONS ARE REMOVED. WET PREPARED AREA THOROUGHLY.

4. SODDING

A, WITHIN THE CONTRACT LIMITS, THE CONTRACTOR SHALL PRODUCE A DENSE, WELL ESTABLISHED LAWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR AND RE-SODDING OF ALL ERODED, SUNKEN OR BARE SPOTS (LARGER THAN 12"X12") UNTIL CERTIFICATION OF ACCEPTABILITY BY THE OWNER'S REPRESENTATIVE. REPAIRED SODDING SHALL BE ACCOMPLISHED AS IN THE ORIGINAL WORK (INCLUDING

B. CONTRACTOR RESPONSIBLE FOR ESTABLISHING AND MAINTAINING SOD/LAWN UNTIL ACCEPTANCE BY THE OWNER'S REPRESENTATIVE. PRIOR TO AND UPON ACCEPTANCE, CONTRACTOR TO PROVIDE WATERING/IRRIGATION SCHEDULE TO OWNER. OBSERVE ALL APPLICABLE WATERING RESTRICTIONS AS

REMOVE ALL MATERIAL, EQUIPMENT, AND DEBRIS RESULTING FROM HIS WORK. ALL PAVED AREAS SHALL BE BROOM-CLEANED AND THE SITE LEFT IN A NEAT AND ACCEPTABLE CONDITION AS APPROVED BY THE OWNER'S

### R. PLANT MATERIAL MAINTENANCE

ALL PLANTS AND PLANTING 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 PLANT CONDITION BY THE CONTRACTOR UNTIL CERTIFICATION OF ACCEPTABILITY BY THE OWNER'S REPRESENTATIVE. MAINTENANCE AFTER THE CERTIFICATION OF ACCEPTABILITY SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS IN THIS SECTION. CONTRACTORS ARE REQUESTED TO PROVIDE A BID ESTIMATE TO COVER LANDSCAPE AND IRRIGATION MAINTENANCE FOR A PERIOD OF 90 CALENDAR DAYS COMMENCING AFTER ACCEPTANCE.

CONTRACTORS ARE REQUESTED TO PROVIDE A BID ESTIMATE FOR MAINTENANCE FOLLOWING THE INITIAL 90-DAY MAINTENANCE PERIOD ON A COST-PER-MONTH BASIS.

### T. FINAL INSPECTION AND ACCEPTANCE OF WORK

FINAL INSPECTION AT THE END OF THE WARRANTY PERIOD SHALL BE ON PLANTING, CONSTRUCTION AND ALL OTHER INCIDENTAL WORK PERTAINING TO THIS CONTRACT. ANY REPLACEMENT AT THIS TIME SHALL BE SUBJECT TO THE SAME ONE (1) YEAR WARRANTY (OR AS SPECIFIED BY THE LANDSCAPE ARCHITECT OR OWNER IN WRITING) BEGINNING WITH THE TIME OF REPLACEMENT AND ENDING WITH THE SAME INSPECTION AND ACCEPTANCE HEREIN DESCRIBED.

1. THE LIFE AND SATISFACTORY CONDITION OF ALL PLANT MATERIAL INSTALLED BY THE LANDSCAPE CONTRACTOR SHALL BE WARRANTED BY THE CONTRACTOR FOR A MINIMUM OF ONE (1) CALENDAR YEAR COMMENCING AT THE

2. REPLACEMENT: ANY PLANT NOT FOUND IN A HEALTHY GROWING CONDITION AT THE END OF THE WARRANTY PERIOD SHALL BE REMOVED FROM THE SITE AND REPLACED AS SOON AS WEATHER CONDITIONS PERMIT. ALL REPLACEMENTS SHALL BE PLANTS OF THE SAME KIND AND SIZE AS SPECIFIED IN THE PLANT LIST. THEY SHALL BE FURNISHED PLANTED AND MULCHED AS SPECIFIED UNDER "PLANTING", AT NO ADDITIONAL COST TO THE OWNER.

3. IN THE EVENT THE OWNER DOES NOT CONTRACT WITH THE CONTRACTOR FOR LANDSCAPE (AND IRRIGATION) MAINTENANCE, THE CONTRACTOR IS ENCOURAGED TO VISIT THE PROJECT SITE PERIODICALLY DURING THE ONE YEAR WARRANTY PERIOD TO EVALUATE MAINTENANCE PROCEDURES BEING PERFORMED BY THE OWNER, AND SHALL NOTIFY THE OWNER IN WRITING OF MAINTENANCE PROCEDURES OR CONDITIONS WHICH THREATEN GOROUS AND HEALTHY PLANT GROWTH. IT IS SUGGESTED SUCH SITE VISITS SHALL BE CONDUCTI OF ONCE PER MONTH FOR A PERIOD OF TWELVE (12) MONTHS FROM THE DATE OF ACCEPTANCE.

REGRADING IF NECESSARY).

SET FORTH BY THE PROPERTY'S JURISDICTIONAL AUTHORITY.

UPON COMPLETION OF ALL PLANTING WORK AND BEFORE FINAL ACCEPTANCE, THE CONTRACTOR SHALL AUTHORIZED REPRESENTATIVE.

### S. MAINTENANCE (ALTERNATE BID ITEM)

TIME OF CERTIFICATION OF ACCEPTABILITY BY THE OWNER'S REPRESENTATIVE.

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