

## FINAL PLANNING BOARD

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L202	PLANTING DETAILS
L300	SITE LIGHTING PLAN

NOTE: ARBORIST REPORT SUBMITTED AS A SEPARATE FILE



7500 NE 4th Court  
Suite 102  
Miami, FL 33138  
T: (305) 573-2728

PROJECT NUMBER

2314

PROJECT NAME

WHOLE FOODS  
AND  
WELLS FARGO  
1901 ALTON ROAD  
MIAMI BEACH, FL 33141

OWNER

CRESCENT HEIGHTS

FACADE ARCHITECT

OPPENHEIM ARCHITECTURE  
AND DESIGN

DRAWING

COVER  
SHEET

JUSTINE VELEZ FLORIDA LIC# LA6667391

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

DRAWN: AJ

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DATE: 01/19/24

SHEET NUMBER

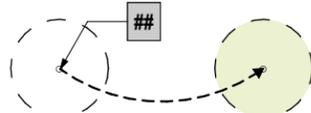
L001

**KEY**

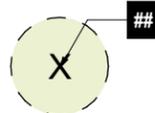
TREE TO REMAIN



TREE TO RELOCATE



TREE TO REMOVE



TREES #5, 7, & 10 TO BE PRUNED TO REMOVE DEADWOOD AS SOON AS POSSIBLE SINCE IT IS OVER A PARKING LOT.

**TREE  
DISPOSITION  
PLAN**

JUSTINE VELEZ, FLORIDA LIC# LA6667391

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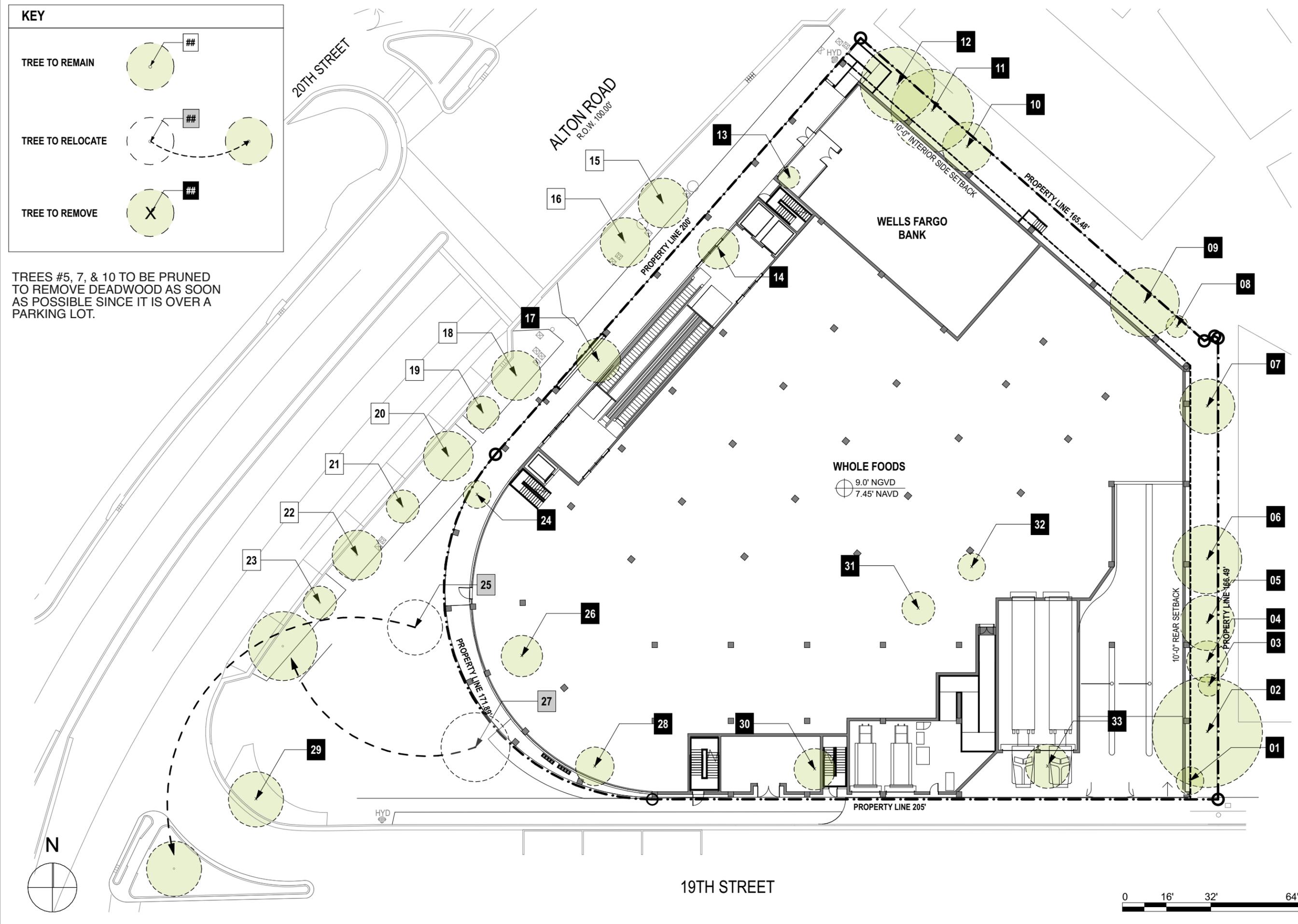
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DATE: 01/19/24

SHEET NUMBER

L002

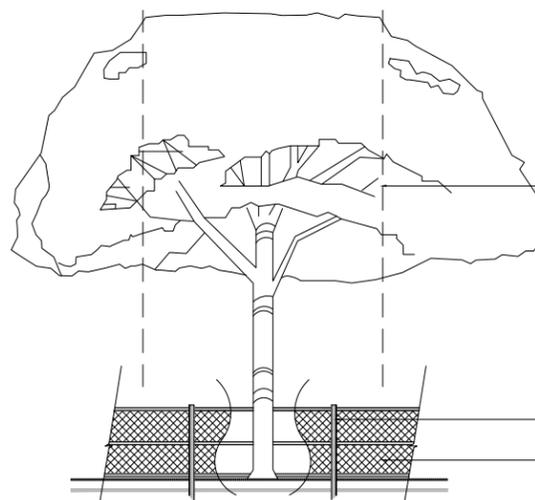


Existing Tree Schedule									
Symbol	ID	Botanical Name	Common Name	DBH	Height	Spread	Native	Status	Remarks
⊗	01	Washingtonia robusta	Mexican Fan Palm	14"	50'	10'	N	REMOVE	
⊗	02	Acacia auriculiformis	Earleaf acacia	30"	45'	40'	N	REMOVE	Prohibited Tree*
⊗	03	Washingtonia robusta	Mexican Fan Palm	8"	8'	8'	N	REMOVE	
⊗	04	Acacia auriculiformis	Earleaf acacia	10.5"	30'	15'	N	REMOVE	Prohibited Tree*
⊗	05	Acacia auriculiformis	Earleaf acacia	17"	33'	20'	N	REMOVE	LARGE DEADWOOD; PRUNE TO REMOVE DEADWOOD ASAP Prohibited Tree*
⊗	06	Acacia auriculiformis	Earleaf acacia	12"	30'	25'	N	REMOVE	Prohibited Tree*
⊗	07	Acacia auriculiformis	Earleaf acacia	18.5"	40'	20'	N	REMOVE	LARGE DEADWOOD; PRUNE TO REMOVE DEADWOOD ASAP Prohibited Tree*
⊗	08	Tabebuia heterophylla	Pink Trumpet Tree	6"	20'	8'	N	REMOVE	
⊗	09	Acacia auriculiformis	Earleaf acacia	19.5"	40'	25'	N	REMOVE	Prohibited Tree*
⊗	10	Acacia auriculiformis	Earleaf acacia	24"	40'	18'	N	REMOVE	LARGE DEADWOOD; PRUNE TO REMOVE DEADWOOD ASAP Prohibited Tree*
⊗	11	Acacia auriculiformis	Earleaf acacia	24"	40'	30'	N	REMOVE	Prohibited Tree*
⊗	12	Acacia auriculiformis	Earleaf acacia	12"	40'	27'	N	REMOVE	Prohibited Tree*
⊗	13	Washingtonia robusta	Mexican Fan Palm	16"	40'	8'	N	REMOVE	
⊗	14	Roystonea regia	Royal Palm	14"	50'	15'	Y	REMOVE	
⊗	15	Conocarpus erectus 'sericeus'	Silver Buttonwood	8"	15'	18'	Y	REMAIN	
⊗	16	Conocarpus erectus 'sericeus'	Silver Buttonwood	8"	15'	18'	Y	REMAIN	
⊗	17	Roystonea regia	Royal Palm	16"	45'	16'	Y	REMOVE	
⊗	18	Quercus virginiana	Live Oak	6"	20'	18'	Y	REMAIN	
⊗	19	Phoenix sylvestris	Silvester Date Palm	12"	25'	12'	N	REMAIN	
⊗	20	Quercus virginiana	Live Oak	9"	20'	18'	Y	REMAIN	
⊗	21	Phoenix sylvestris	Silvester Date Palm	12"	25'	12'	N	REMAIN	

Existing Tree Schedule									
Symbol	ID	Botanical Name	Common Name	DBH	Height	Spread	Native	Status	Remarks
⊗	22	Quercus virginiana	Live Oak	6"	18'	18'	Y	REMAIN	
⊗	23	Phoenix sylvestris	Silvester Date Palm	14"	25'	12'	N	REMAIN	
⊗	24	Roystonea regia	Royal Palm	14"				REMOVE	
⊗	25	Phoenix dactylifera	Date Palm	18"	28'	20'	N	RELOCATE	
⊗	26	Sabal palmetto	Sabal Palm	13"	25'	15'	Y	REMOVE	
⊗	27	Quercus virginiana	Live Oak	12"	30'	25'	Y	RELOCATE	
⊗	28	Roystonea regia	Royal Palm	12.5"	40'	14'	Y	REMOVE	
⊗	29	Veitchia arecina	Montgomery Palm 'double'	7"	25'	20'		REMOVE	
⊗	30	Roystonea regia	Royal Palm	14"	50'	15'	Y	REMOVE	
⊗	31	Washingtonia robusta	Mexican Fan Palm	14"	40'	12'	N	REMOVE	
⊗	32	Syagrus romanzoffiana	Queen Palm	8"	25'	10'	N	REMOVE	
⊗	33	Roystonea regia	Royal Palm	17"	50'	16'	Y	REMOVE	

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 WITHIN THE FENCED AREAS, INCLUDING VEHICLE USE, STORAGE OF MATERIALS, DUMPING OF LIQUIDS OR MATERIALS, GRADE CHANGES, GRUBBING, AND MECHANICAL TRENCHING FOR IRRIGATION, ELECTRICAL, LIGHTING, ETC.



IN NO CASE SHALL THE FENCE BE INSTALLED LESS THAN TEN FEET FROM THE TRUNK

TREE + PALM PROTECTION BARRIERS TO EXTEND BEYOND THE 'DRIPLINE' OR TO THE 'CRITICAL ROOT ZONE AREA' OF ALL TREES/PALMS TO BE PROTECTED. EXTEND WHERE NECESSARY TO PROTECT TREE CANOPY ROOTS

BARRIERS SHALL BE A MINIMUM OF FOUR FEET HIGH, AND SHALL BE CONSTRUCTED OF CONTINUOUS CHAIN LINK FENCE WITH METAL POSTS AT EIGHT-FOOT SPACING OR 2"x4" 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 FORESTER + PLANNING + ZONING DEPARTMENT

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

**NOTE:**

TREES #5, 7, & 10 TO BE PRUNED TO REMOVE DEADWOOD AS SOON AS POSSIBLE SINCE THEY ARE OVER A PARKING LOT.

EXISTING  
TREE  
SCHEDULE

# CITY OF MIAMI BEACH LANDSCAPE LEGEND

INFORMATION REQUIRED TO BE PERMANENTLY AFFIXED TO PLANS

Zoning District CD-1 Lot Area 55,377 Acres 1.27

## OPEN SPACE

- A. Square feet of required Open Space as indicated on site plan:  
Lot Area = 55,377 s.f. x 5.98 % = 3,312 s.f.
- B. Square feet of parking lot open space required as indicated on site plan:  
Number of parking spaces \_\_\_\_\_ x 10 s.f. parking space =
- C. Total square feet of landscaped open space required: A+B=

REQUIRED/ ALLOWED	PROVIDED
<u>3,312</u>	<u>3,312</u>
<u>N/A</u>	<u>N/A</u>
<u>3,312</u>	<u>2,913</u>

## LAWN AREA CALCULATION

- A. Square feet of landscaped open space required
- B. Maximum lawn area (sod) permitted= 3,312 % x 20% s.f.

<u>662</u>	<u>0</u>
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## TREES

- A. Number of trees required per lot or net lot acre, less existing number of trees meeting minimum requirements=  
22 trees x 1.27 net lot acres - number of existing trees=
- B. % Natives required: Number of trees provided x 30% =
- C. % Low maintenance / drought and salt tolerant required:  
Number of trees provided x 50%=
- D. Street Trees (maximum average spacing of 20' o.c.)  
576.96 linear feet along street divided by 20'=
- E. Street tree species allowed directly beneath power lines:  
(maximum average spacing of 20' o.c.):  
\_\_\_\_\_ linear feet along street divided by 20'=

<u>28</u>	<u>16</u> Ground <u>7</u> On structure
<u>8</u>	<u>23</u>
<u>14</u>	<u>23</u>
<u>29</u>	<u>6</u> Existing = 31 <u>25</u> Proposed
<u>N/A</u>	<u>N/A</u>

## SHRUBS

- A. Number of shrubs required: Sum of lot and street trees required x 12=
- B. % Native shrubs required: Number of shrubs provided x 50%=

<u>684</u>	<u>694</u>
<u>347</u>	<u>394</u>

## LARGE SHRUBS OR SMALL TREES

- A. Number of large shrubs or small trees required: Number of required shrubs x 10%=
- B. % Native large shrubs or small trees required: Number of large shrubs or small trees provided x 50%=

<u>68</u>	<u>103</u>
<u>39</u>	<u>103</u>

### NOTE:

Street Trees will comply with Florida Fancy requirements. All other planting materials shall meet or exceed Florida Grade # 1 as specified in Grades and Standards for Nursery Plants and Part II, Palms and Trees, current edition

## TOTAL TREES AND PALMS TO BE REMOVED

### TREES

183" DBH  
1 Tabebuia heterophylla  
9 Acacia auriculiformis (prohibited tree)

### REQUIRED MITIGATION

60 SMALL TREES (2" DBH x 6' SPREAD x 12' HEIGHT) OR,  
30 LARGE TREES (4" DBH x 8' SPREAD x 16' HEIGHT) OR,  
\$60,000 CONTRIBUTION TO TREE TRUST FUND

### PALMS

4 Washingtonia robusta  
6 Roystonea regia  
1 Veitchia arecina  
1 Syagrus romanzoffiana  
1 Sabal Palm

*Sec. 46-61. (c) The removal of a palm shall be replaced with one canopy tree at 12 feet overall height with a two-inch DBH.*

### REQUIRED MITIGATION

13 SMALL TREES (2" DBH x 12' HEIGHT) OR,  
6.5 LARGE TREES (4" DBH x 16' HEIGHT) OR,  
\$13,000 CONTRIBUTION TO TREE TRUST FUND

## PROPOSED TREES. SEE PLANTING PLANS

SMALL TREES: 7  
7 Annona glabra

LARGE TREES: 41  
6 Coccoloba diversifolia \*  
5 Ilex cassine \*  
5 Pimenta racemosa \*  
8 Conocarpus erectus \*  
5 Conocarpus erectus sericeus \*  
12 Taxodium distichum \*

\* = Native trees

### REQUIRED MITIGATION

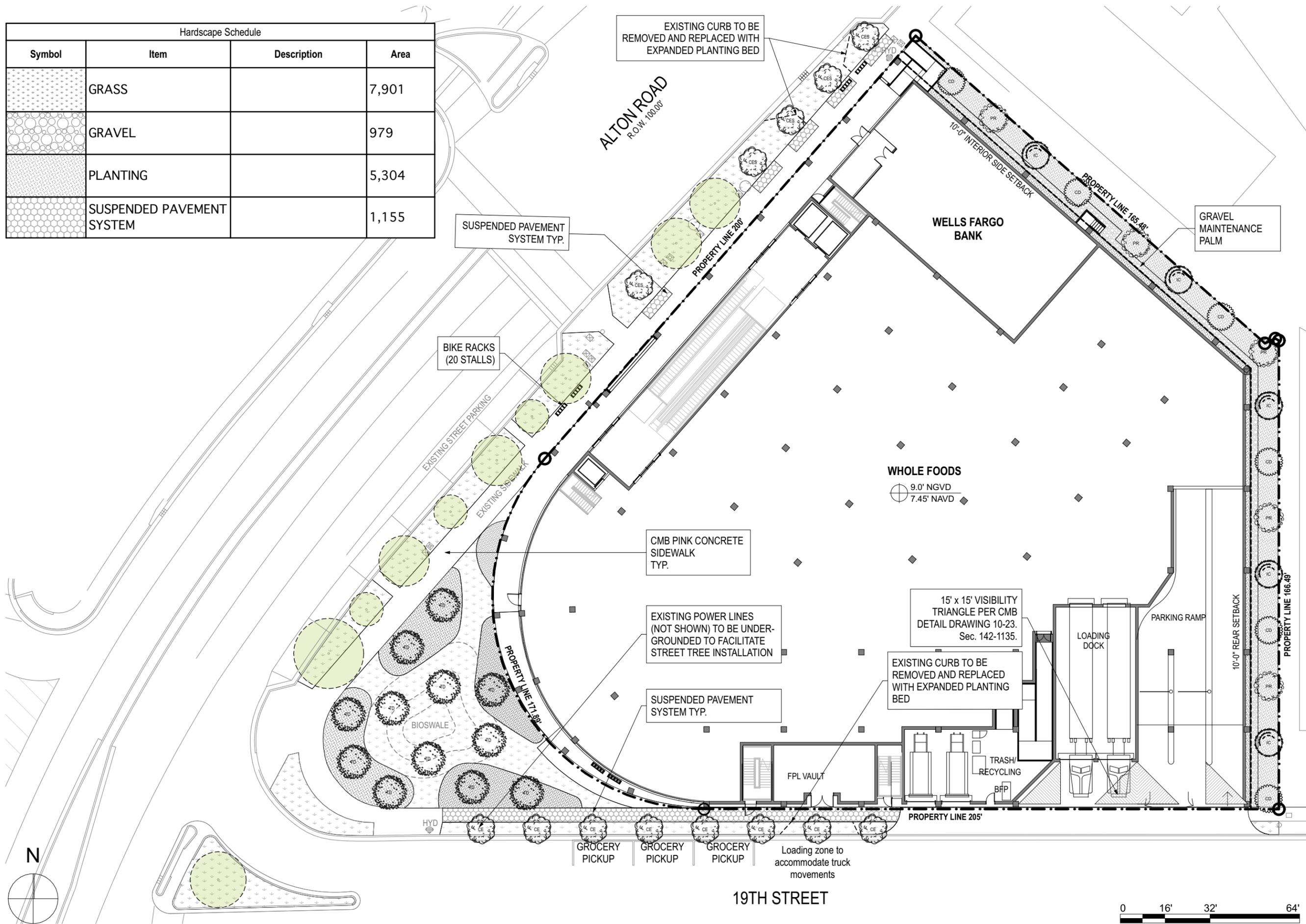
73 SMALL TREES

### TOTAL PROPOSED

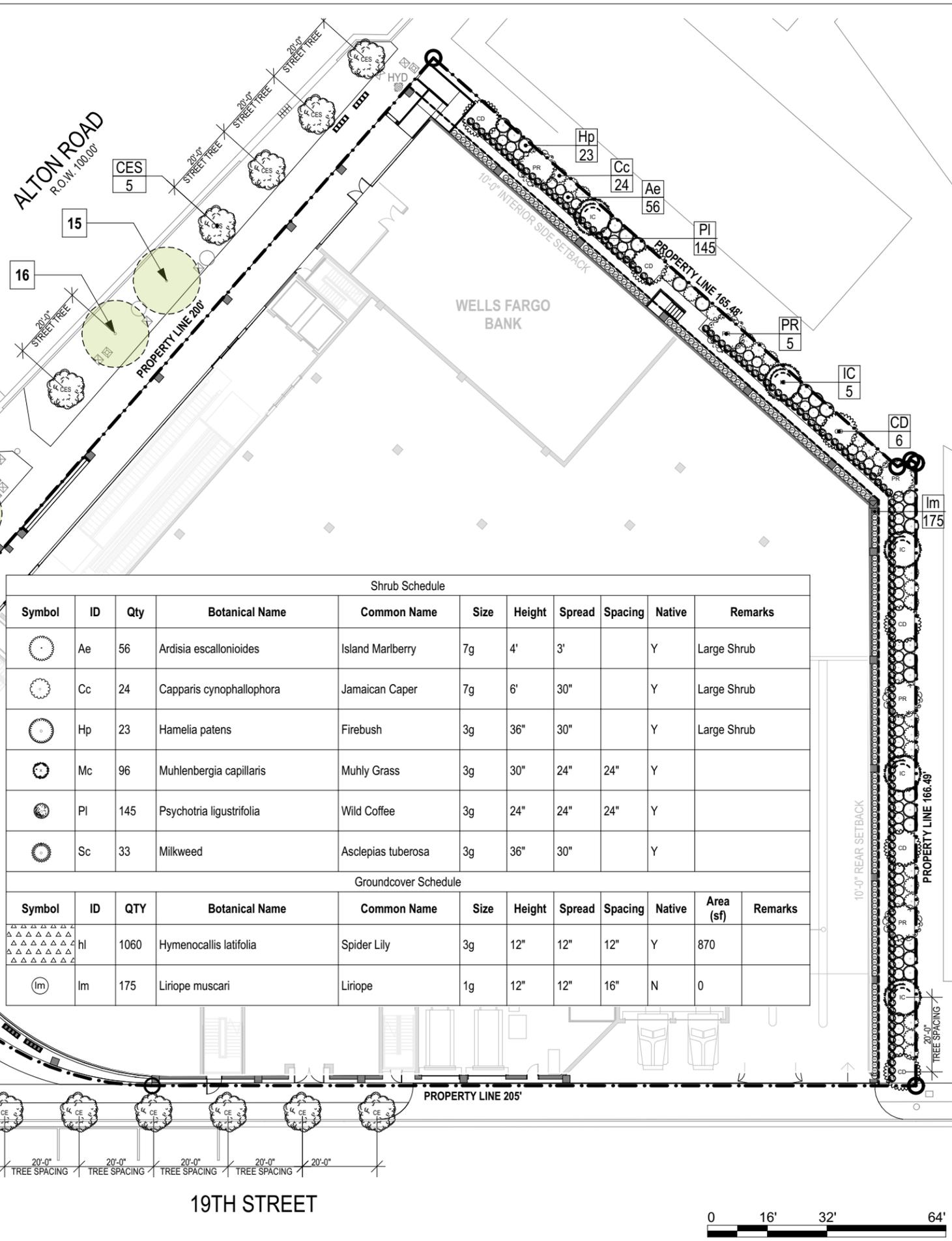
7 SMALL TREES + 41 LARGE TREES  
(89 SMALL TREES EQUIVALENT)

EXCEEDING BY 16 SMALL TREES OR 8 LARGE TREES EQUIVALENT

Hardscape Schedule			
Symbol	Item	Description	Area
	GRASS		7,901
	GRAVEL		979
	PLANTING		5,304
	SUSPENDED PAVEMENT SYSTEM		1,155

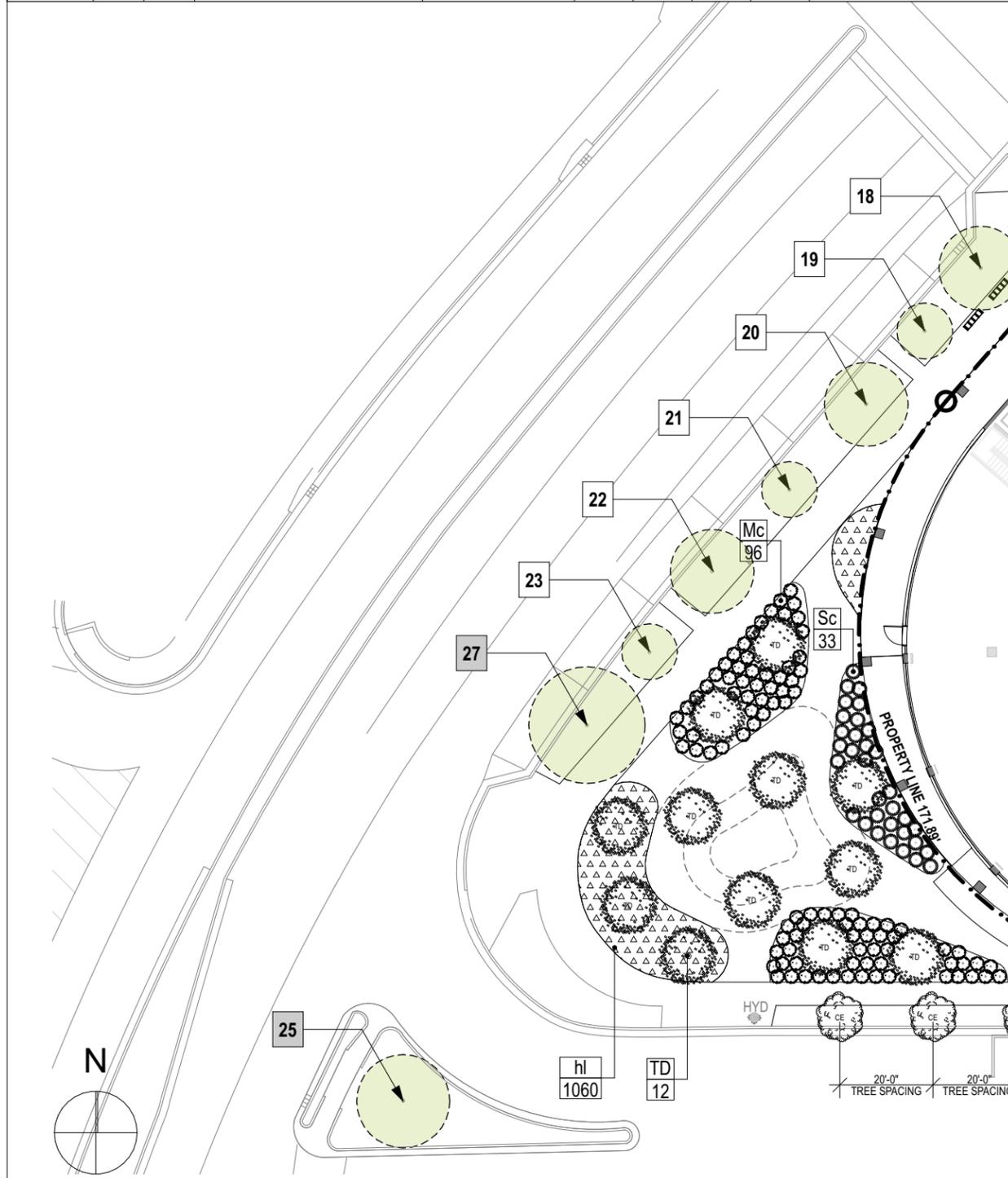


Tree Schedule									
Symbol	ID	Qty	Botanical Name	Common Name	DBH	Height	Spread	Native	Remarks
	CD	6	Coccoloba diversifolia	Pigeon Plum	4"	16' min	10'	Y	Standard Trunk
	CE	8	Conocarpus erectus	Green Buttonwood	4"	16' min	10'	Y	Florida Fancy - Street Tree - Standard Trunk
	CES	5	Conocarpus erectus 'serica'	Silver Buttonwood	4"	16' min	10'	Y	Florida Fancy - Street Tree - Standard Trunk
	IC	5	Ilex cassine	Dahoon Holly	4"	16' min	10'	Y	Standard Trunk
	PR	5	Pimenta racemosa	Bayrum Tree	4"	16' min	8'	Y	Standard Trunk
	TD	12	Taxodium distichum	Bald Cypress	4"	16' min	10'	Y	Florida Fancy - Street Tree - Standard Trunk



Shrub Schedule										
Symbol	ID	Qty	Botanical Name	Common Name	Size	Height	Spread	Spacing	Native	Remarks
	Ae	56	Ardisia escallonioides	Island Marberry	7g	4'	3'		Y	Large Shrub
	Cc	24	Capparis cynophallophora	Jamaican Caper	7g	6'	30"		Y	Large Shrub
	Hp	23	Hamelia patens	Firebush	3g	36"	30"		Y	Large Shrub
	Mc	96	Muhlenbergia capillaris	Muhly Grass	3g	30"	24"	24"	Y	
	PI	145	Psychotria ligustrifolia	Wild Coffee	3g	24"	24"	24"	Y	
	Sc	33	Milkweed	Asclepias tuberosa	3g	36"	30"		Y	

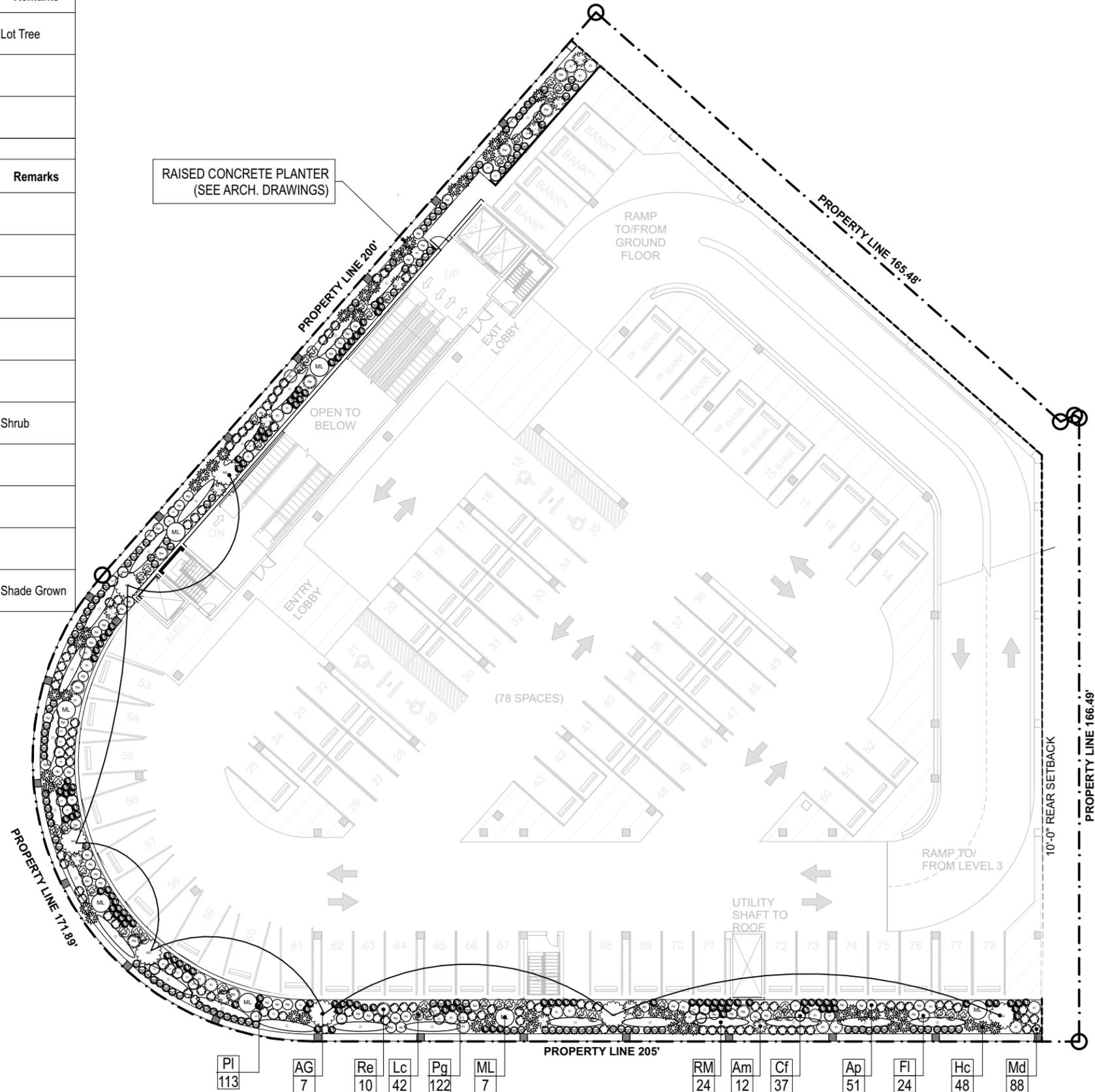
Groundcover Schedule											
Symbol	ID	QTY	Botanical Name	Common Name	Size	Height	Spread	Spacing	Native	Area (sf)	Remarks
	hl	1060	Hymenocallis latifolia	Spider Lily	3g	12"	12"	12"	Y	870	
	Im	175	Liriope muscari	Liriope	1g	12"	12"	16"	N	0	



2nd Level Tree Schedule									
Symbol	ID	Qty	Botanical Name	Common Name	DBH	Height	Spread	Native	Remarks
	AG	7	Annona glabra	Pond Apple Tree	2.5"	12'	6'	Y	Lot Tree
	ML	7	Polyalthia longifolia 'Upright'	Mast Tree		10'	4'	N	
	RM	24	Ravenala madagascariensis	Traveller Tree		15'	12'	N	

2nd Level Shrub Schedule									
Symbol	ID	Qty	Botanical Name	Common Name	Size	Height	Spread	Native	Remarks
	Am	12	Alocasia macrorrhiza	Black Stem Elephant Ear	7g			N	
	Ap	51	Alpinia purpurata 'Pink'	Pink Ginger	15g	5'		N	
	Cf	37	Cordyline fruticosa 'Pink Diamond'	Pink Diamond Cordyline	7g	30"	30"	N	
	Fl	24	Ficus lyrata	Fiddle Leaf Fig	7g			N	
	Hc	48	Heliconia caribaea x bihai 'Jacquini'	Heliconia caribaea x bihai 'Jacquini'		8'		N	
	Lc	42	Leea coccinea 'Rubra'	West Indian Holly	7g	36"	30"	N	Shrub
	Md	88	Monstera deliciosa	Swiss Cheese Vine	7g	4'	3'	N	
	Pg	122	Philodendron gloriosum	Philodendron gloriosum	3g	2'	2'	N	
	Pl	113	Psychotria ligustrifolia	Wild Coffee	3g	24"	24"	Y	
	Re	10	Rhapis excelsa	Lady Palm		6'		N	Shade Grown



RAISED CONCRETE PLANTER  
(SEE ARCH. DRAWINGS)



**2ND LEVEL PLANTING PLAN**

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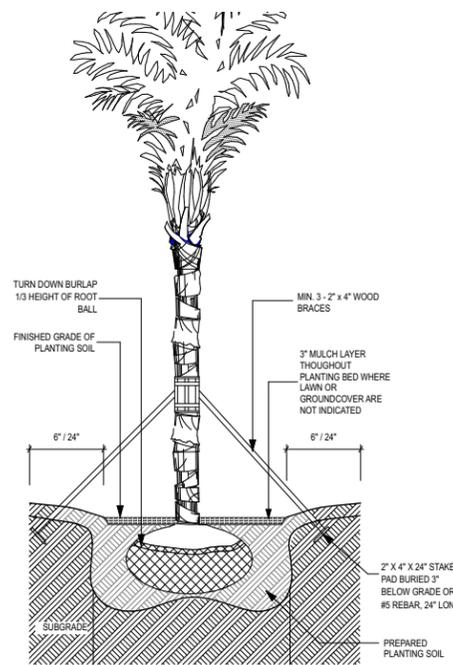
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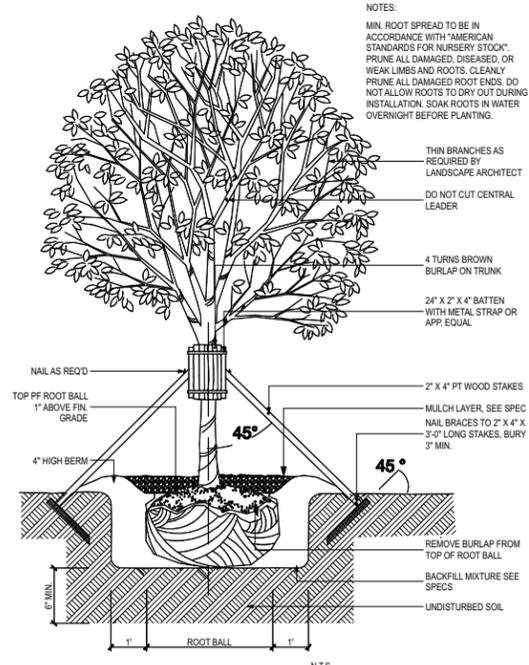
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SHEET NUMBER

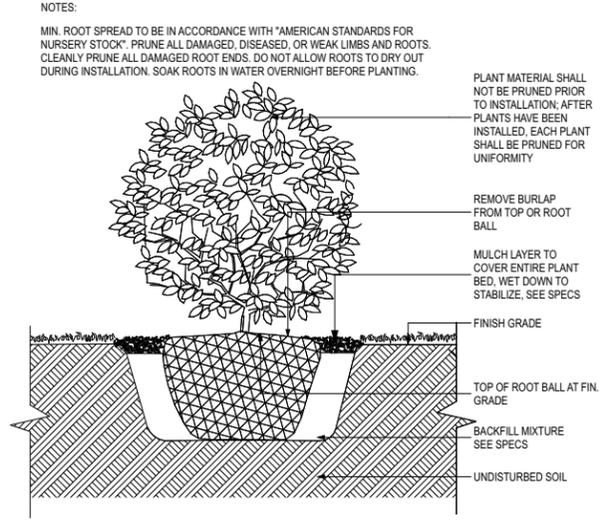
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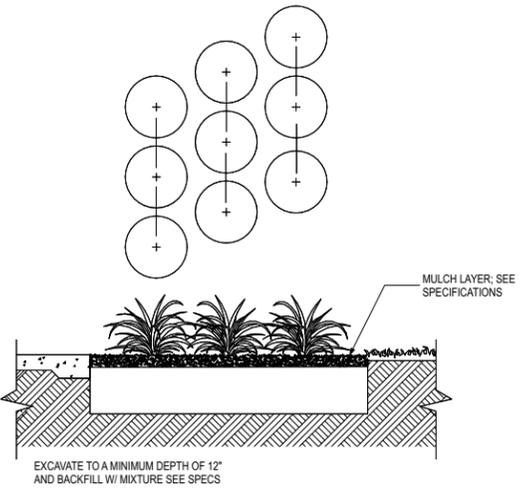
**3**  
L202  
**PALM PLANTING DETAIL**  
NOT TO SCALE



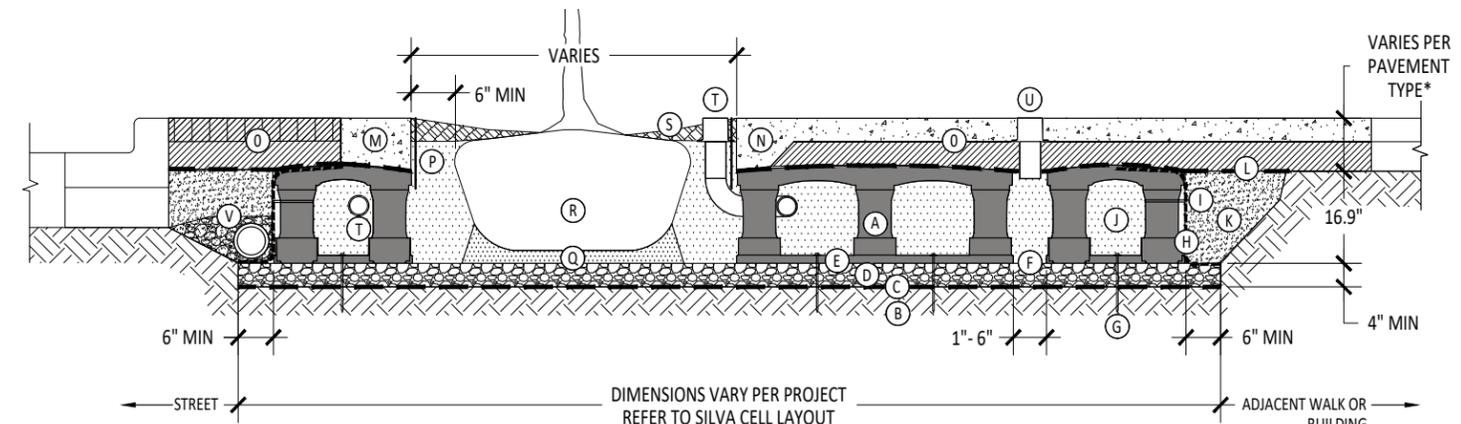
**2**  
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**LARGE TREE STAKE DETAIL**  
NOT TO SCALE



**4**  
L202  
**SHRUB DETAIL**  
NOT TO SCALE

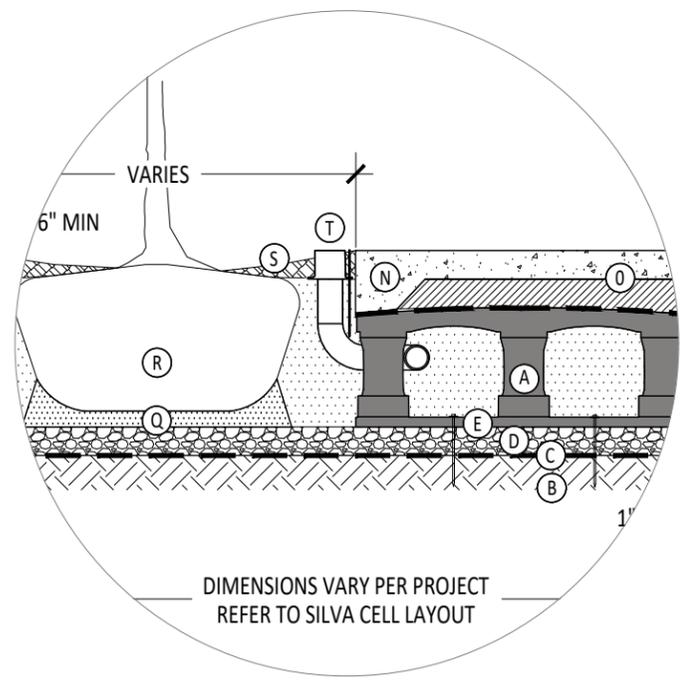


**5**  
L202  
**GROUNDCOVER SPACING DETAIL**  
NOT TO SCALE



- KEY PLAN**
- (A) SILVA CELL SYSTEM (DECK, BASE, AND POSTS)
  - (B) SUBGRADE, COMPACTED
  - (C) GEOTEXTILE FABRIC, PLACED ABOVE SUBGRADE
  - (D) 4" MIN AGGREGATE SUB BASE, COMPACTED TO 95% PROCTOR
  - (E) SILVA CELL BASE SLOPE, 10% MAX
  - (F) 1" TO 6" SPACING BETWEEN SILVA CELLS AT BASE
  - (G) ANCHORING SPIKES, CONTACT DEEPROOF FOR ALTERNATIVE
  - (H) GEOGRID, WRAPPED AROUND PERIMETER OF SYSTEM, WITH 6" TOE (OUTWARD FROM BASE) AND 12" EXCESS (OVER TOP OF DECK)
  - (I) CABLE TIE, ATTACHING GEOGRID TO SILVA CELL AT BASE OF UPPER LEG FLARE, AS NEEDED
  - (J) PLANTING SOIL, PER PROJECT SPECIFICATIONS, PLACED IN LIFTS AND WALK-IN COMPACTED TO 75-85% PROCTOR
  - (K) COMPACTED BACKFILL, PER PROJECT SPECIFICATIONS
  - (L) GEOTEXTILE FABRIC TO EDGE OF EXCAVATION
  - (M) RIBBON CURB AT TREE OPENING (TO BE USED WITH PAVERS OR ASPHALT)
  - (N) THICKENED EDGE AT TREE OPENING (TO BE USED WITH CONCRETE)
  - (O) PAVEMENT AND AGGREGATE BASE PER PROJECT \*
  - (P) DEEPROOF ROOT BARRIER, 12" OR 18", DEPTH DETERMINED BY THICKNESS OF PAVEMENT SECTION, INSTALL DIRECTLY ADJACENT TO CONCRETE EDGE RESTRAINT
  - (Q) PLANTING SOIL BELOW ROOT BALL, COMPACTED WELL TO PREVENT SETTLING
  - (R) ROOT BALL
  - (S) TREE OPENING TREATMENT, PER PROJECT SPECIFICATIONS
  - (T) DEEPROOF WATER AND AIR VENT, ROOTBALL, WHEN REQUIRED
  - (U) DEEPROOF WATER AND AIR VENT, WHEN REQUIRED
  - (V) UNDERDRAIN SYSTEM, WHEN REQUIRED (LOCATION AND DETAILS BY OTHERS)
- \*MINIMUM PAVEMENT PROFILE OPTIONS TO MEET H-20 LOADING**
- |             |                         |
|-------------|-------------------------|
| PAVEMENT    | + AGGREGATE BASE COURSE |
| 4" CONCRETE | + 4" AGGREGATE          |
| 3" PAVER    | + 12" AGGREGATE         |
| 4" ASPHALT  | + 12" AGGREGATE         |
| 2.6" PAVER  | + 5" CONCRETE           |
- NOTES**
- EXCAVATION SHALL BE DONE IN ACCORDANCE WITH ALL APPLICABLE HEALTH AND SAFETY REGULATIONS
  - INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS
  - PROVIDE SUPPLEMENTAL IRRIGATION
  - DO NOT SCALE DRAWINGS

**1**  
L202  
**TYPICAL SILVA CELL DETAIL**  
NOT TO SCALE



**1A**  
L202  
**TYPICAL SILVA CELL DETAIL**  
NOT TO SCALE

**SITE  
LIGHTING  
PLAN**

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DATE: 01/19/24

SHEET NUMBER  
**L300**

LIGHTING LEGEND				
IMAGE	SYMBOL	MANUFACTURER	MODEL	QUANTITY
		Louis Poulsen	Albertslund Maxi Post	12

