

TREE TABLE

POINT #	SPECIES	DIAMETER (IN)	Canopy Credit (%)	Canopy Area Credit (ft2)	Floodplain/ESA
3503	PECAN	19	0%	0	ESA
3505	HACKBERRY	5.4X6.7X7.2X7.2	100%	875	Floodplain
3507	HACKBERRY	14	0%	0	ESA
3519	HACKBERRY	3.3X7.9	50%	438	ESA
3520	HUISACHE	11.7	100%	550	ESA
3521	HACKBERRY	10.1	50%	438	ESA
3522	HUISACHE	10.7X13	100%	550	-
3523	HACKBERRY	7.4	100%	875	-
3525	HACKBERRY	4.9X4.5.8X3.7	100%	875	-
3526	HACKBERRY	6.7	100%	875	-
3553	HACKBERRY	3.4X7.1	100%	875	-
3554	HACKBERRY	9.6	50%	438	-
3555	HACKBERRY	14	50%	438	-
3558	HACKBERRY	3.4X8X12.7	100%	875	-
3562	HACKBERRY	11.4X5.2	50%	438	ESA
Total Canopy Area Credit (ft2)				8538	

TREE INVENTORY

Tag #	Species	Understory Species* 6" - 11.5"		Significant Tree 6" - 23.5"		Significant Tree** 10" - 23.5"		Heritage 3:1		Heritage 1:1		Additional Inches Preserved for Mitigation***
		Removed	Preserved	Removed	Preserved	Removed	Preserved	Removed	Preserved	Removed	Preserved	
3503	PECAN				19							
3505	HACKBERRY						17					
3507	HACKBERRY					14						5
3519	HACKBERRY						12					5
3520	HUISACHE											7
3521	HACKBERRY											5
3522	HUISACHE											7
3523	HACKBERRY											7
3525	HACKBERRY											7
3526	HACKBERRY											7
3553	HACKBERRY											7
3554	HACKBERRY											7
3555	HACKBERRY											7
3558	HACKBERRY											7
3562	HACKBERRY						18					7
3562	HACKBERRY											7
Sub. Tot. Inches*		0	0	19	0	14	77	0	0	0	0	52
Total inches by category*		0	0	19	0	14	91	0	0	0	0	52
Preservation percentage*		#DIV/0!		70%		Heritage Preservation		#DIV/0!				
Mitigation required (Commercial) =		0		Commercial (Inches) = -33		Heritage Mitigation (Inches)		0				
Mitigation required (Residential) =		0		Residential (Inches) = -38.5								

Note:
Total Lot Area = 67,215 SF
Lot is in CRAG area
Minimum final tree canopy coverage = 15%
67,215 X 15% = 10,082 SF

Preserved Canopy Area = 8,538 SF
Required canopy area from new planting = 1,544 SF (see Planting Plan)

Note:
Only tree #3505 is in the 100-year floodplain.
Floodplain trees = 17 total inches
Floodplain trees preserved = 17 inches (100%)

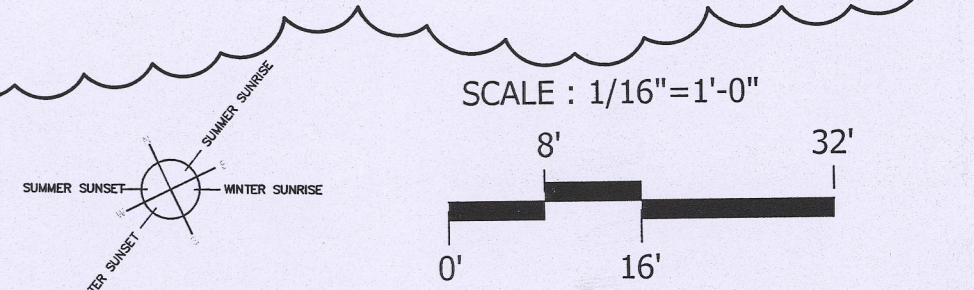
Trees in 30' Environmentally Sensitive Area (ESA) include:
#3503, 3507, 3519, and 3520.
ESA trees = 50 total inches
ESA trees removed = 33 inches (66%)
ESA trees preserved = 17 inches (34%)
ESA preservation requirement = 40 inches (80%)
ESA mitigation requirement = 23 inches

Mitigation to be met by payment into Tree Mitigation Fund on 1:1 basis.
\$200.00/inch X 23 inches = \$4,600.00

Significant Trees = 110 total inches
Significant Trees removed = 33 inches
Significant Trees preserved = 77 inches

Additional Trees Preserved for Mitigation = 52 inches

No category to fall below 10% preservation.
Preserved - Tree to remain that meets root protection zone requirements described in section 35-523 of the UDC.
Mitigation 1:1 for significant trees below minimum preservation requirements; 3:1 for heritage trees below 100% preservation
* Small species: Cordalia, Redbud, Tx. Mountain Laurel, Tx. Pearlimon, Hawthorn, Possumhaw - these are mitigated at 1:1 for Heritage Trees
** Ashe Juniper, Huisache, Mesquite, Arizona Ash, Hackberry protected at 10" dbh and mitigated at 1:1 for heritage trees
*** Mitigation Trees: Unprotected-sized trees to be used for mitigation calculations; subtract inches from mitigation owed



Alamo ARCHITECTS

CLIENT: PACE EXHIBITIONS, LLC
 ARCHITECT OF RECORD: ALAMO ARCHITECTS
 CIVIL ENGINEER: KFW ENGINEERS + SURVEYING
 MEP & FP / AV / CT / SECURITY: WSP GROUP
 LIGHTING: TILLOTSON DESIGN ASSOC.
 LIFE SAFETY: FIRE PROTECTION CONSULTING GROUP
 CLIENT REPRESENTATIVE: NORTON COMPANY
 DESIGN CONSULTANT: ADJAYE ASSOCIATES
 STRUCTURAL ENGINEER: GUY NORDENSON & ASSOCIATES
 LANDSCAPE ARCHITECT: MADRONE LDC
 BUILDING ENVELOPE / GLAZING: WJE ASSOCIATES
 ACOUSTICIAN: WHJW INC.

2	06/14/2017	100 CD
NUM.	DATE:	ISSUE DESCRIPTION:

SEAL

TREE MITIGATION CALCULATIONS

PROJECT: LINDA PACE FOUNDATION - EXHIBITION SPACE
 PROJECT #: 2014-16 DRAWN: WTP
 DATE: 06-14-2017 APPROVED: JA

L1.00

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