Appendix C
Biological Resources Documentation

CNPS California Native Plant Society

Inventory of Rare and Endangered Plants

Plant List

39 matches found. *Click on scientific name for details*

Search Criteria

California Rare Plant Rank is one of [1A, 1B, 2A, 2B], Found in Quads 3411834, 3411833, 3411832, 3411824, 3411823, 3411822, 3411814 3411813 and 3411812;

Scientific Name	Common Name	Family	Lifeform	Blooming Period	CA Rare Plant Rank	State Rank	Global Rank
Arctostaphylos glandulosa ssp. gabrielensis	San Gabriel manzanita	Ericaceae	perennial evergreen shrub	Mar	1B.2	S3	G5T3
Arenaria paludicola	marsh sandwort	Caryophyllaceae	perennial stoloniferous herb	May-Aug	1B.1	S1	G1
Astragalus brauntonii	Braunton's milk-vetch	Fabaceae	perennial herb	Jan-Aug	1B.1	S2	G2
Astragalus pycnostachyus var. lanosissimus	Ventura marsh milk-vetch	Fabaceae	perennial herb	(Jun)Aug-Oct	1B.1	S1	G2T1
Astragalus tener var. titi	coastal dunes milk-vetch	Fabaceae	annual herb	Mar-May	1B.1	S1	G2T1
Atriplex coulteri	Coulter's saltbush	Chenopodiaceae	perennial herb	Mar-Oct	1B.2	S1S2	G3
Atriplex pacifica	South Coast saltscale	Chenopodiaceae	annual herb	Mar-Oct	1B.2	S2	G4
Atriplex parishii	Parish's brittlescale	Chenopodiaceae	annual herb	Jun-Oct	1B.1	S1	G1G2
Atriplex serenana var. davidsonii	Davidson's saltscale	Chenopodiaceae	annual herb	Apr-Oct	1B.2	S1	G5T1
Berberis nevinii	Nevin's barberry	Berberidaceae	perennial evergreen shrub	(Feb)Mar-Jun	1B.1	S1	G1
Calochortus clavatus var. gracilis	slender mariposa lily	Liliaceae	perennial bulbiferous herb	Mar-Jun(Nov)	1B.2	S2S3	G4T2T3
Calochortus palmeri var. palmeri	Palmer's mariposa lily	Liliaceae	perennial bulbiferous herb	Apr-Jul	1B.2	S2	G3T2
Calystegia felix	lucky morning-glory	Convolvulaceae	annual rhizomatous herb	Mar-Sep	1B.1	S1	G1Q

Castilleja gleasoni	Mt. Gleason paintbrush	Orobanchaceae	perennial herb (hemiparasitic)	May-Jun(Sep)	1B.2	S2	G2
Centromadia parryi ssp. australis	southern tarplant	Asteraceae	annual herb	May-Nov	1B.1	S2	G3T2
Centromadia pungens ssp. laevis	smooth tarplant	Asteraceae	annual herb	Apr-Sep	1B.1	S2	G3G4T2
Chloropyron maritimum ssp. maritimum	salt marsh bird's-beak	Orobanchaceae	annual herb (hemiparasitic)	May-Oct(Nov)	1B.2	S1	G4?T1
Chorizanthe parryi var. fernandina	San Fernando Valley spineflower	Polygonaceae	annual herb	Apr-Jul	1B.1	S1	G2T1
Chorizanthe parryi var. parryi	Parry's spineflower	Polygonaceae	annual herb	Apr-Jun	1B.1	S2	G3T2
Dithyrea maritima	beach spectaclepod	Brassicaceae	perennial rhizomatous herb	Mar-May	1B.1	S1	G1
Dodecahema leptoceras	slender-horned spineflower	Polygonaceae	annual herb	Apr-Jun	1B.1	S1	G1
Dudleya multicaulis	many-stemmed dudleya	Crassulaceae	perennial herb	Apr-Jul	1B.2	S2	G2
Helianthus nuttallii ssp. parishii	Los Angeles sunflower	Asteraceae	perennial rhizomatous herb	Aug-Oct	1A	SH	G5TH
Horkelia cuneata var. puberula	mesa horkelia	Rosaceae	perennial herb	Feb-Jul(Sep)	1B.1	S1	G4T1
Imperata brevifolia	California satintail	Poaceae	perennial rhizomatous herb	Sep-May	2B.1	S3	G4
Lasthenia glabrata ssp. coulteri	Coulter's goldfields	Asteraceae	annual herb	Feb-Jun	1B.1	S2	G4T2
Linanthus concinnus	San Gabriel linanthus	Polemoniaceae	annual herb	Apr-Jul	1B.2	S2	G2
Malacothamnus davidsonii	Davidson's bush-mallow	Malvaceae	perennial deciduous shrub	Jun-Jan	1B.2	S2	G2
Nama stenocarpa	mud nama	Namaceae	annual / perennial herb	Jan-Jul	2B.2	S1S2	G4G5
Nasturtium gambelii	Gambel's water cress	Brassicaceae	perennial rhizomatous herb	Apr-Oct	1B.1	S1	G1
Navarretia prostrata	prostrate vernal pool navarretia	Polemoniaceae	annual herb	Apr-Jul	1B.1	S2	G2
Pseudognaphalium leucocephalum	white rabbit-tobacco	Asteraceae	perennial herb	(Jul)Aug-Nov(Dec)	2B.2	S2	G4
Quercus dumosa	Nuttall's scrub oak	Fagaceae	perennial evergreen shrub	Feb-Apr(May-Aug)	1B.1	S3	G3
Ribes divaricatum var. parishii	Parish's gooseberry	Grossulariaceae	perennial deciduous shrub	Feb-Apr	1A	SX	G5TX
Sidalcea neomexicana	salt spring checkerbloom	Malvaceae	perennial herb	Mar-Jun	2B.2	S2	G4
Spermolepis lateriflora	western bristly scaleseed	Apiaceae	annual herb	Mar-Apr	2A	SH	G5
Symphyotrichum defoliatum	San Bernardino aster	Asteraceae	perennial rhizomatous herb	Jul-Nov(Dec)	1B.2	S2	G2

Symphyotrichum greatae	Greata's aster	Asteraceae	perennial rhizomatous herb	Jun-Oct	1B.3	S2	G2
Thelypteris puberula var. sonorensis	Sonoran maiden fern	Thelypteridaceae	perennial rhizomatous herb	Jan-Sep	2B.2	S2	G5T3

Suggested Citation

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Questions and Comments
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Selected Elements by Scientific Name

California Department of Fish and Wildlife

California Natural Diversity Database

Query Criteria: Quad IS (Burbank (3411823) OR Van Nuys (3411824) OR Pasadena (3411822) OR Beverly Hills (3411814) OR Hollywood (3411813) OR Los Angeles (3411812) OR San Fernando (3411834) OR Sunland (3411833) OR Condor Peak (3411832))

Universal Hilton Hotel

Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
Aimophila ruficeps canescens southern California rufous-crowned sparrow	ABPBX91091	None	None	G5T3	S3	WL
Anaxyrus californicus arroyo toad	AAABB01230	Endangered	None	G2G3	S2S3	SSC
Anniella spp. California legless lizard	ARACC01070	None	None	G3G4	S3S4	SSC
Anniella stebbinsi Southern California legless lizard	ARACC01060	None	None	G3	S3	SSC
Antrozous pallidus pallid bat	AMACC10010	None	None	G5	S3	SSC
Arctostaphylos glandulosa ssp. gabrielensis San Gabriel manzanita	PDERI042P0	None	None	G5T3	S3	1B.2
Arenaria paludicola marsh sandwort	PDCAR040L0	Endangered	Endangered	G1	S1	1B.1
Arizona elegans occidentalis California glossy snake	ARADB01017	None	None	G5T2	S2	SSC
Aspidoscelis tigris stejnegeri coastal whiptail	ARACJ02143	None	None	G5T5	S3	SSC
Astragalus brauntonii Braunton's milk-vetch	PDFAB0F1G0	Endangered	None	G2	S2	1B.1
Astragalus pycnostachyus var. lanosissimus Ventura Marsh milk-vetch	PDFAB0F7B1	Endangered	Endangered	G2T1	S1	1B.1
Astragalus tener var. titi coastal dunes milk-vetch	PDFAB0F8R2	Endangered	Endangered	G2T1	S1	1B.1
Athene cunicularia burrowing owl	ABNSB10010	None	None	G4	S3	SSC
Atriplex coulteri Coulter's saltbush	PDCHE040E0	None	None	G3	S1S2	1B.2
Atriplex pacifica south coast saltscale	PDCHE041C0	None	None	G4	S2	1B.2
Atriplex parishii Parish's brittlescale	PDCHE041D0	None	None	G1G2	S1	1B.1
Atriplex serenana var. davidsonii Davidson's saltscale	PDCHE041T1	None	None	G5T1	S1	1B.2
Berberis nevinii Nevin's barberry	PDBER060A0	Endangered	Endangered	G1	S1	1B.1
Bombus crotchii Crotch bumble bee	IIHYM24480	None	Candidate Endangered	G3G4	S1S2	

Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
Buteo swainsoni Swainson's hawk	ABNKC19070	None	Threatened	G5	S3	
California Walnut Woodland California Walnut Woodland	CTT71210CA	None	None	G2	S2.1	
Calochortus clavatus var. gracilis slender mariposa-lily	PMLIL0D096	None	None	G4T2T3	S2S3	1B.2
Calochortus palmeri var. palmeri Palmer's mariposa-lily	PMLIL0D122	None	None	G3T2	S2	1B.2
Calochortus plummerae Plummer's mariposa-lily	PMLIL0D150	None	None	G4	S4	4.2
Calystegia felix lucky morning-glory	PDCON040P0	None	None	G1Q	S1	1B.1
Carolella busckana Busck's gallmoth	IILEM2X090	None	None	G1G3	SH	
Castilleja gleasoni Mt. Gleason paintbrush	PDSCR0D140	None	Rare	G2	S2	1B.2
Catostomus santaanae Santa Ana sucker	AFCJC02190	Threatened	None	G1	S1	
Centromadia parryi ssp. australis southern tarplant	PDAST4R0P4	None	None	G3T2	S2	1B.1
Centromadia pungens ssp. laevis smooth tarplant	PDAST4R0R4	None	None	G3G4T2	S2	1B.1
Chloropyron maritimum ssp. maritimum salt marsh bird's-beak	PDSCR0J0C2	Endangered	Endangered	G4?T1	S1	1B.2
Chorizanthe parryi var. fernandina San Fernando Valley spineflower	PDPGN040J1	None	Endangered	G2T1	S1	1B.1
Chorizanthe parryi var. parryi Parry's spineflower	PDPGN040J2	None	None	G3T2	S2	1B.1
Cicindela hirticollis gravida sandy beach tiger beetle	IICOL02101	None	None	G5T2	S2	
Coccyzus americanus occidentalis western yellow-billed cuckoo	ABNRB02022	Threatened	Endangered	G5T2T3	S1	
Coelus globosus globose dune beetle	IICOL4A010	None	None	G1G2	S1S2	
Corynorhinus townsendii Townsend's big-eared bat	AMACC08010	None	None	G3G4	S2	SSC
Coturnicops noveboracensis yellow rail	ABNME01010	None	None	G4	S1S2	SSC
Danaus plexippus pop. 1 monarch - California overwintering population	IILEPP2012	None	None	G4T2T3	S2S3	
Diadophis punctatus modestus San Bernardino ringneck snake	ARADB10015	None	None	G5T2T3	S2?	

Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
Dithyrea maritima beach spectaclepod	PDBRA10020	None	Threatened	G1	S1	1B.1
Dodecahema leptoceras slender-horned spineflower	PDPGN0V010	Endangered	Endangered	G1	S1	1B.1
Dudleya multicaulis many-stemmed dudleya	PDCRA040H0	None	None	G2	S2	1B.2
Empidonax traillii extimus southwestern willow flycatcher	ABPAE33043	Endangered	Endangered	G5T2	S1	
Emys marmorata western pond turtle	ARAAD02030	None	None	G3G4	S3	SSC
Eumops perotis californicus western mastiff bat	AMACD02011	None	None	G5T4	S3S4	SSC
Falco peregrinus anatum American peregrine falcon	ABNKD06071	Delisted	Delisted	G4T4	S3S4	FP
Gila orcuttii arroyo chub	AFCJB13120	None	None	G2	S2	SSC
Glyptostoma gabrielense San Gabriel chestnut	IMGASB1010	None	None	G2	S2	
Gonidea angulata western ridged mussel	IMBIV19010	None	None	G3	S1S2	
Harpagonella palmeri Palmer's grapplinghook	PDBOR0H010	None	None	G4	S3	4.2
Helianthus nuttallii ssp. parishii Los Angeles sunflower	PDAST4N102	None	None	G5TX	SX	1A
Horkelia cuneata var. puberula mesa horkelia	PDROS0W045	None	None	G4T1	S1	1B.1
Imperata brevifolia California satintail	PMPOA3D020	None	None	G4	S3	2B.1
Lasionycteris noctivagans silver-haired bat	AMACC02010	None	None	G5	S3S4	
Lasiurus cinereus hoary bat	AMACC05030	None	None	G5	S4	
Lasiurus xanthinus western yellow bat	AMACC05070	None	None	G5	S3	SSC
Lasthenia glabrata ssp. coulteri Coulter's goldfields	PDAST5L0A1	None	None	G4T2	S2	1B.1
Lepidium virginicum var. robinsonii Robinson's pepper-grass	PDBRA1M114	None	None	G5T3	S3	4.3
Lepus californicus bennettii San Diego black-tailed jackrabbit	AMAEB03051	None	None	G5T3T4	S3S4	SSC
Linanthus concinnus San Gabriel linanthus	PDPLM090D0	None	None	G2	S2	1B.2

Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
Malacothamnus davidsonii Davidson's bush-mallow	PDMAL0Q040	None	None	G2	S2	1B.2
Microtus californicus stephensi south coast marsh vole	AMAFF11035	None	None	G5T1T2	S1S2	SSC
Nama stenocarpa mud nama	PDHYD0A0H0	None	None	G4G5	S1S2	2B.2
Nasturtium gambelii Gambel's water cress	PDBRA270V0	Endangered	Threatened	G1	S1	1B.1
Navarretia prostrata prostrate vernal pool navarretia	PDPLM0C0Q0	None	None	G2	S2	1B.2
Neotoma lepida intermedia San Diego desert woodrat	AMAFF08041	None	None	G5T3T4	S3S4	SSC
Nyctinomops macrotis big free-tailed bat	AMACD04020	None	None	G5	S3	SSC
Onychomys torridus ramona southern grasshopper mouse	AMAFF06022	None	None	G5T3	S3	SSC
Orcuttia californica California Orcutt grass	PMPOA4G010	Endangered	Endangered	G1	S1	1B.1
Perognathus longimembris brevinasus Los Angeles pocket mouse	AMAFD01041	None	None	G5T1T2	S1S2	SSC
Phrynosoma blainvillii coast horned lizard	ARACF12100	None	None	G3G4	S3S4	SSC
Polioptila californica californica coastal California gnatcatcher	ABPBJ08081	Threatened	None	G4G5T2Q	S2	SSC
Pseudognaphalium leucocephalum white rabbit-tobacco	PDAST440C0	None	None	G4	S2	2B.2
Quercus dumosa Nuttall's scrub oak	PDFAG050D0	None	None	G3	S3	1B.1
Rana muscosa southern mountain yellow-legged frog	AAABH01330	Endangered	Endangered	G1	S1	WL
Rhinichthys osculus ssp. 3 Santa Ana speckled dace	AFCJB3705K	None	None	G5T1	S1	SSC
Ribes divaricatum var. parishii Parish's gooseberry	PDGRO020F3	None	None	G5TX	SX	1A
Riparia riparia bank swallow	ABPAU08010	None	Threatened	G5	S2	
Riversidian Alluvial Fan Sage Scrub Riversidian Alluvial Fan Sage Scrub	CTT32720CA	None	None	G1	S1.1	
Setophaga petechia yellow warbler	ABPBX03010	None	None	G5	S3S4	SSC
Sidalcea neomexicana salt spring checkerbloom	PDMAL110J0	None	None	G4	S2	2B.2

Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
Socalchemmis gertschi	ILARAU7010	None	None	G1	S1	
Gertsch's socalchemmis spider						
Southern California Arroyo Chub/Santa Ana Sucker Stream	CARE2330CA	None	None	GNR	SNR	
Southern California Arroyo Chub/Santa Ana Sucker Stream						
Southern Coast Live Oak Riparian Forest	CTT61310CA	None	None	G4	S4	
Southern Coast Live Oak Riparian Forest						
Southern Cottonwood Willow Riparian Forest	CTT61330CA	None	None	G3	S3.2	
Southern Cottonwood Willow Riparian Forest						
Southern Mixed Riparian Forest	CTT61340CA	None	None	G2	S2.1	
Southern Mixed Riparian Forest						
Southern Sycamore Alder Riparian Woodland	CTT62400CA	None	None	G4	S4	
Southern Sycamore Alder Riparian Woodland						
Spea hammondii	AAABF02020	None	None	G3	S3	SSC
western spadefoot						
Symphyotrichum defoliatum	PDASTE80C0	None	None	G2	S2	1B.2
San Bernardino aster						
Symphyotrichum greatae	PDASTE80U0	None	None	G2	S2	1B.3
Greata's aster						
Taricha torosa	AAAAF02032	None	None	G4	S4	SSC
Coast Range newt						
Taxidea taxus	AMAJF04010	None	None	G5	S3	SSC
American badger						
Thamnophis hammondii	ARADB36160	None	None	G4	S3S4	SSC
two-striped gartersnake						
Thelypteris puberula var. sonorensis	PPTHE05192	None	None	G5T3	S2	2B.2
Sonoran maiden fern						
Vireo bellii pusillus	ABPBW01114	Endangered	Endangered	G5T2	S2	
least Bell's vireo						
Walnut Forest	CTT81600CA	None	None	G1	S1.1	
Walnut Forest						

Record Count: 97

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Registered Consulting
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CITY OF LOS ANGELES TREE AND PALM REPORT
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555 UNIVERSAL HOLLYWOOD DRIVE
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APRIL 14, 2023

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April 14, 2023

Mike Harden
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Re: City of Los Angeles Tree and Palm Report - Revision, Hilton Universal City Expansion Project
555 Universal Hollywood Drive, Los Angeles

Dear Mr. Harden,

This report addresses the trees and palms within the vicinity of the proposed Hilton Universal City Expansion Project (Project) located at 555 Universal Drive (Property or Property Site) in the City of Los Angeles (City) (see Exhibit 1 on page 18 for an aerial image of the Property).

EXECUTIVE SUMMARY

Of the 125 trees and 104 palms located within the vicinity of improvements associated with the Project, 88 living trees and 95 living palms are proposed to be removed in order to construct the Project. The new landscape plan, to be prepared by others, will take into account these tree removals. None of the trees proposed for removal are considered protected by the City of Los Angeles Tree Preservation Ordinance No. 186,873 (Chapter IV, Article 6 of the City's Municipal Code). Palms are in the grass family and are not trees, and therefore, are not subject to the requirements of the City of Los Angeles Tree Preservation Ordinance No. 186,873 (Chapter IV, Article 6 of the City's Municipal Code).

BACKGROUND AND ASSIGNMENT

The Universal Hilton Hotel, located at 555 Universal Drive in the City of Los Angeles adjacent to Universal Studios, proposes a new 18-story hotel tower with 395 guestrooms and approximately 299,088 total square feet of new construction (e.g., the Project) on the approximately 7.26-acre Property. The Property is associated with assessor parcel number 2424-044-022. The building will include two restaurants and one lounge bar space, a new spa and a rooftop pool amenity. The Project will also add a new one-story meeting room addition and will expand the existing three-level parking garage.

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Carlberg was retained to inventory all private property trees and palms within the Project Site and on contiguous surrounding properties that might be impacted by the Project and to prepare a report with associated graphics for submittal to the City (Tree Report).

This Tree Report was prepared in accordance with the City of Los Angeles Tree Preservation Ordinance No. 186,873 (Chapter IV, Article 6 of the City's Municipal Code) (City's Tree Ordinance) and guidelines set forth by the City of Los Angeles Planning Department (Planning Department). Protected trees and shrubs as set forth in the City's Tree Ordinance are the oak tree (including valley oak and California live oak, but excluding the scrub oak), western sycamore, Southern California black walnut, California bay laurel, Mexican elderberry (shrub) and toyon (shrub) with trunk diameters (measured at 4.5 feet above grade) of 4 inches or greater. "Significant" trees, as defined by the Planning Department, are any tree species with a trunk diameter of eight inches or greater. The Planning Department requires that any off-site trees or palms whose canopies overhang the subject property be included in the inventory. For the purposes of this report, we have included palms with brown trunk heights of 10 feet and greater[1]. This report supersedes our August 2020 report and sets forth data that was gathered in 2015, 2018, 2020 and June 2022.

OBSERVATIONS AND DISCUSSION

We distinguish palms from trees in this report because palms are not trees. Palms are in the grass family and unlike trees, do not grow bark (woody tissue) nor do they produce a cambium layer (between the bark and interior tissue that gives rise to annual growth). A cross-section of a palm's "trunk" would show a mass of spongy, hardened material. Because palms do not increase in trunk diameter as they mature, their size is described in Brown Trunk Height (BTH) feet, the distance between grade and the newest emerging spear, or frond. Therefore, palms are not trees and are not subject to the tree removal and replacement requirements of the City's Tree Ordinance.

A total of 125 trees and 104 palms were identified within the subject Property and within off-site areas immediately surrounding the subject Property (see Exhibit 2). Of these 125 trees, 120 trees are considered "significant" as defined by the Planning Department. None of the subject trees are of a "protected" species and there are no City right-of-way trees associated with this Project. Of the 125 trees and 104 palms inventoried, 10 trees and 4 palms are located outside of the Project Site limits on surrounding properties but overhang the Project Site. No off-site trees or palms would be impacted by construction activities. Moreover, none of the inventoried trees or palms are within the City right-of-way. Based on the Project's Site Plan prepared by Ankrom Moisan Architecture dated February 22, 2023 (Project's Site Plan), 84 significant trees will require removal to accommodate the Project's hotel expansion and associated improvements. One of these significant trees is standing but is dead[2]. The Project's Site Plan is used as the source for the "Tree and Palm Impact Exhibit." A reduced copy of the "Tree and Palm Impact Exhibit" is included as Exhibit 3 on page 24.

We utilized the Project's Site Plan to determine the impacts to the 125 subject trees and 104 palms. Trees and palms within limits of the Project's proposed grading, new building footprints, and other design improvements require removal. Trees/palms not directly affected by construction (generally, those on south-

[1] Since palm trunks do not generally increase in diameter with age, they are described by their brown trunk height, the distance between grade and the newest emerging spear, or frond.
[2] Three palms have died and been removed since our inventory in 2018 and are not included in the overall number of palms inventoried and to be removed since these palms have already been removed.

and west-facing slopes) will be preserved in place and protected by construction fencing. Based on our observations, none of the trees/palms on the subject property are suitable candidates for relocation, generally because existing site conditions have created an inadequate root systems or the plants exhibits poor structure. In addition, many are species that do not adapt well to transplantation.

TABLE 1 – SUMMARY OF TREES + DISPOSITIONS

	Total Trees Inventoried	Trees Proposed for Removal	Trees to Remain
TOTALS	125	88	37
City of Los Angeles On-Site "Protected" Trees	0	0	0
City of Los Angeles On-Site "Significant" Trees	110	84*	26
Neither "Significant" nor "Protected" On-Site Trees	5	4	1
Off-Site "Significant" Trees that Overhand the Subject Property	10	0	10

* One of the significant trees is standing dead and is proposed to be removed.

TABLE 2 – SUMMARY OF PALMS + DISPOSITIONS

	Total Palms Inventoried	Palms proposed for Removal	Palms to Remain
TOTALS	104	95**	9
Property Palms	100	95	5
Off-Site Palms that Overhang the Project Site	4	0	4

** Three property palms have died and have been removed since our 2018 inventory. They are noted in Table 3, but are not included in the overall number of palms inventoried and to be removed since these palms have already been removed.

The "Tree and Palm Location Exhibit" illustrates trees/palms that are plotted on the Hennon Survey and Mapping's ALTA and Architectural Design Survey (dated February 5, 2016) provided to us. The subject trees/palms were numbered on the referenced exhibits but were not physically tagged.

Table 1 summarizes the inventoried trees/palms, their protected status and proposed dispositions. Captioned photographs and exhibits at the end of this report illustrate site context, tree/palm locations, and plant structure and vigor. Full-sized copies of the 'Tree and Palm Location Exhibit' and 'Tree and Palm Impact Exhibit' are included at the end of this Tree Report.

TABLE 3 – TREE AND PALM INVENTORY

Tree/ Palm No.	Common Name	Botanical Name	Trunk Diameter (inches)	Height (feet)	Spread N;E;S;W (feet)	Health Grade	Structure Grade	Protected, Significant or Palm	Disposition
1	flooded gum	*Eucalyptus rudis*	9.8, 12.5	25	10;10;5;20	B	B-	Significant	Remove
2	flooded gum	*Eucalyptus rudis*	18.4	30	3;0;27;33	B-	B-	Significant	Remove
3	red river gum	*Eucalyptus camaldulensis*	27.2	60	3;3;27;30	B	B-	Significant	Remove
4	aleppo pine	*Pinus halepensis*	26.3	70	12;15;18;12	B+	B	Significant	Remove
5	flooded gum	*Eucalyptus rudis*	7.6	20	0;0;7;18	C	C	None	Remove
6	flooded gum	*Eucalyptus rudis*	18.3	25	0;0;12;21	C	C	Significant	Remove
7	flooded gum	*Eucalyptus rudis*	10.6, 22.7	25	8;9;18;15	C	C	Significant	Remove
8	aleppo pine	*Pinus halepensis*	15.3	45	15;6;0;9	B	C-	Significant	Remove
9	red ironbark	*Eucalyptus sideroxylon*	1.6, 3.3, 17.7	40	12;12;9;6	C	C-	Significant	Remove
10	red ironbark	*Eucalyptus sideroxylon*	16.9	40	7;3;15;25	B	B	Significant	Remove
11	flooded gum	*Eucalyptus rudis*	10.1	30	0;0;15;9	C	C-	Significant	Remove
12	aleppo pine	*Pinus halepensis*	17.7	25	20;15;6;9	B	C	Significant	Remove
13	aleppo pine	*Pinus halepensis*	30.4	70	19;12;17;15	B	B-	Significant	Remove
14	red ironbark	*Eucalyptus sideroxylon*	8.3, 11	20	9;3;0;15	C	C	Significant	Remove
15	Mexican fan palm	*Washingtonia robusta*	0	0	N/A	F	F	Palm	Remove
16	Mexican fan palm	*Washingtonia robusta*	BT-30	35	4;4;4;4	A	A	Palm	Remove
17	Mexican fan palm	*Washingtonia robusta*	BT-35	40	4;4;4;4	A	A	Palm	Remove
18	Brazilian pepper	*Schinus terebinthifolius*	3.5, 7.2, 4, 4.1, 4.2, 5.1	20	9;9;15;10	B	C	Significant	Remove
19	aleppo pine	*Pinus halepensis*	30.8	50	27;7;15;22	B	C	Significant	Remove
20	aleppo pine	*Pinus halepensis*	22.5, 23.5	60	18;15;25;27	B	C	Significant	Remove

Tree/ Palm No.	Common Name	Botanical Name	Trunk Diameter (inches)	Height (feet)	Spread N;E;S;W (feet)	Health Grade	Structure Grade	Protected, Significant or Palm	Disposition
21	aleppo pine	*Pinus halepensis*	25.2	60	18;9;20;21	B	B-	Significant	Remove
22	aleppo pine	*Pinus halepensis*	19.7, 22	60	21;10;10;21	B	B-	Significant	Remove
23	aleppo pine	*Pinus halepensis*	23.7	50	0;0;25;30	B	C	Significant	Remove
24	aleppo pine	*Pinus halepensis*	20.8	60	27;0;0;21	A-	B	Significant	Remove
25	aleppo pine	*Pinus halepensis*	31.9	60	15;23;21;30	B-	B	Significant	Remove
26	aleppo pine	*Pinus halepensis*	27.9	55	21;18;10;15	B	C	Significant	Remove
27	aleppo pine	*Pinus halepensis*	9.1	30	10;10;10;10	A	A	Significant	Remove
OS28	Mexican fan palm	*Washingtonia robusta*	BT-25	30	5;5;5;5	A	A	Palm	Preserve
29	Brazilian pepper	*Schinus terebinthifolius*	10, 10, 8.5	15	14;15;16;16	A	B	Significant	Remove
30	Mediterranean fan palm	*Chamaerops humilis*	BT-10,10,10,10,10,10	15	8;10;10;10	A	A	Palm	Remove
31	Mediterranean fan palm	*Chamaerops humilis*	BT-7,8,9,10,10,10	15	10;10;10;10	A	A	Palm	Remove
32	Mediterranean fan palm	*Chamaerops humilis*	BT-8,10,10,10, 10,10	15	10;10;10;10	A	A	Palm	Remove
33	Mediterranean fan palm	*Chamaerops humilis*	BT-10, 10, 12, 12, 12, 15, 15, 15	20	10;10;10;10	A	A	Palm	Remove
34	pygmy date palm	*Phoenix roebelenii*	BT-4,5,5,6	10	6;6;6;6	A	A	Palm	Remove
35	pygmy date palm	*Phoenix roebelenii*	BT-4,6,6	10	6;6;6;6	A	A	Palm	Remove
36	Canary Island date palm	*Phoenix canariensis*	BT-25	35	15;15;15;15	A	A	Palm	Remove
37	Canary Island date palm	*Phoenix canariensis*	BT-30	40	15;15;15;15	A	A	Palm	Remove
38	aleppo pine	*Pinus halepensis*	32.5	45	21;33;27;21	B-	B-	Significant	Remove
39	aleppo pine	*Pinus halepensis*	25.2	35	15;20;21;18	B	B	Significant	Preserve
40	red ironbark	*Eucalyptus sideroxylon*	18.7	30	10;18;21;10	B+	B	Significant	Preserve

Tree/ Palm No.	Common Name	Botanical Name	Trunk Diameter (inches)	Height (feet)	Spread N;E;S;W (feet)	Health Grade	Structure Grade	Protected, Significant or Palm	Disposition
41	red ironbark	*Eucalyptus sideroxylon*	24.4	30	21;24;21;17	B	B	Significant	Remove
42	aleppo pine	*Pinus halepensis*	18.2 @ 3'	20	15;15;21;27	A	B+	Significant	Remove
43	aleppo pine	*Pinus halepensis*	27.9	35	18;22;20;20	B	B+	Significant	Remove
44	Chinese elm	*Ulmus parvifolia*	11.9, 11.4	20	15;15;30;15	B	C	Significant	Preserve
45	aleppo pine	*Pinus halepensis*	22.1, 21.4	35	30;20;20;15	A	B	Significant	Preserve
46	red ironbark	*Eucalyptus sideroxylon*	4.9, 15.7	30	20;13;10;13	A	A	Significant	Preserve
47	aleppo pine	*Pinus halepensis*	21.5	50	18;18;18;18	B+	A-	Significant	Preserve
48	aleppo pine	*Pinus halepensis*	30.8 @ 3'	50	40;10;0;35	B+	B-	Significant	Preserve
49	red ironbark	*Eucalyptus sideroxylon*	5.3, 6.7	20	0;0;0;25	B	B-	Significant	Remove
50	umbrella tree	*Schefflera actinophylla*	3, 4, 4, 4, 5	20	6;4;10;10	A	A	Significant	Preserve
51	weeping fig	*Ficus benjamina*	10, 13	30	7;10;10;7	B+	C+	Significant	Preserve
52	Brisbane box	*Lophostemon confertus*	11	30	6;6;6;6	A	A-	Significant	Preserve
53	Brisbane box	*Lophostemon confertus*	8.3	30	6;6;8;6	A	A-	Significant	Preserve
54	Brisbane box	*Lophostemon confertus*	9.6	25	6;6;6;6	A	A-	Significant	Preserve
55	Brisbane box	*Lophostemon confertus*	11.2	25	6;6;10;8	B+	A-	Significant	Preserve
56	red ironbark	*Eucalyptus sideroxylon*	17.1, 2.8	35	20;10;20;30	B	B	Significant	Remove
57	red ironbark	*Eucalyptus sideroxylon*	3, 14	30	10;10;10;15	A	B+	Significant	Preserve
58	aleppo pine	*Pinus halepensis*	21.5, 23.9	60	20;15;21;25	B	B	Significant	Remove
59	aleppo pine	*Pinus halepensis*	20.2	55	10;10;20;25	A	B	Significant	Remove
60	aleppo pine	*Pinus halepensis*	15.3	50	20;25;5;10	A-	B+	Significant	Remove

Tree/ Palm No.	Common Name	Botanical Name	Trunk Diameter (inches)	Height (feet)	Spread N;E;S;W (feet)	Health Grade	Structure Grade	Protected, Significant or Palm	Disposition
61	aleppo pine	*Pinus halepensis*	26.5	50	30;10;0;40	A-	B	Significant	Remove
62	aleppo pine	*Pinus halepensis*	13	30	20;0;0;15	A-	B	Significant	Remove
63	red ironbark	*Eucalyptus sideroxylon*	3.5, 3.7, 2.2, 3.5, 10.5	30	12;10;6;10	B-	B-	Significant	Remove
64	red ironbark	*Eucalyptus sideroxylon*	14, 14.9	35	0;0;20;30	B	B	Significant	Preserve
65	Mexican fan palm	*Washingtonia robusta*	BT-40	46	7;7;7;7	A	A	Palm	Remove
66	Mexican fan palm	*Washingtonia robusta*	BT-40	46	7;7;7;7	A	A	Palm	Remove
67	Mexican fan palm	*Washingtonia robusta*	BT-30	36	7;7;7;7	A	A	Palm	Remove
68	aleppo pine	*Pinus halepensis*	19.4	40	10;20;21;30	A	B	Palm	Remove
69	Mexican fan palm	*Washingtonia robusta*	BT-15	20	6;6;6;6	A	A	Palm	Remove
70	Mexican fan palm	*Washingtonia robusta*	BT-20	25	7;7;7;7	A	A	Palm	Preserve
71	Mexican fan palm	*Washingtonia robusta*	BT-40	46	8;8;8;8	A	A	Palm	Remove
72	Sydney golden wattle	*Acacia longifolia*	12	30	6;15;18;10	F	F	Significant	Remove
73	aleppo pine	*Pinus halepensis*	17.3	50	10;15;25;25	A	A	Significant	Remove
74	aleppo pine	*Pinus halepensis*	10.6	40	0;0;20;0	A	B	Significant	Remove
75	aleppo pine	*Pinus halepensis*	26.3 @ 3'	45	10;10;21;36	A	B+	Significant	Remove
76	Mexican fan palm	*Washingtonia robusta*	BT-30	35	6;6;6;6	A	A	Palm	Remove
77	Mexican fan palm	*Washingtonia robusta*	BT-40	45	6;6;6;6	A	A	Palm	Remove
78	Mexican fan palm	*Washingtonia robusta*	BT-40	45	6;6;6;6	A	A	Palm	Remove
79	Mexican fan palm	*Washingtonia robusta*	BT-40	45	6;6;6;6	A	A	Palm	Preserve
80	Mexican fan palm	*Washingtonia robusta*	BT-45	50	6;6;6;6	A	A	Palm	Preserve

Tree/ Palm No.	Common Name	Botanical Name	Trunk Diameter (inches)	Height (feet)	Spread N;E;S;W (feet)	Health Grade	Structure Grade	Protected, Significant or Palm	Disposition
81	Mexican fan palm	*Washingtonia robusta*	BT-45	50	6;6;6;6	A	A	Palm	Preserve
82	Mexican fan palm	*Washingtonia robusta*	BT-40	45	6;6;6;6	A	A	Palm	Preserve
OS83	Mexican fan palm	*Washingtonia robusta*	BT-45	50	6;6;6;6	A	A	Palm	Preserve
84	queen palm	*Syagrus romanzoffiana*	BT-15	25	10;10;10;10	A	A	Palm	Remove
85	queen palm	*Syagrus romanzoffiana*	BT-15	25	10;10;10;10	A	A	Palm	Remove
86	queen palm	*Syagrus romanzoffiana*	BT-15	25	10;10;10;10	A	A	Palm	Remove
87	queen palm	*Syagrus romanzoffiana*	BT-15	25	10;10;10;10	A	A	Palm	Remove
88	queen palm	*Syagrus romanzoffiana*	BT-15	25	10;10;10;10	A	A	Palm	Remove
89	queen palm	*Syagrus romanzoffiana*	BT-15	25	10;10;10;10	A	A	Palm	Remove
90	queen palm	*Syagrus romanzoffiana*	BT-15	25	10;10;10;10	A	A	Palm	Remove
91	queen palm	*Syagrus romanzoffiana*	BT-15	25	10;10;10;10	A	A	Palm	Remove
92	queen palm	*Syagrus romanzoffiana*	BT-15	25	10;10;10;10	A	A	Palm	Remove
93	weeping fig	*Ficus benjamina*	6, 5.7, 3.9, 7.1	10	6;6;6;6	B	B	Significant	Remove
94	weeping fig	*Ficus benjamina*	4, 6.5	15	10;8;5;4	B	C	Significant	Preserve
95	weeping fig	*Ficus benjamina*	4, 13, 14	25	12;13;13;12	A	A-	Significant	Preserve
96	weeping fig	*Ficus benjamina*	13.9	25	10;14;13;10	A	B+	Significant	Preserve
97	Brisbane box	*Lophostemon confertus*	12.9	35	9;12;13;12	A	A-	Significant	Preserve
98	Brisbane box	*Lophostemon confertus*	14	35	13;11;12;15	A	A	Significant	Preserve
99	Brisbane box	*Lophostemon confertus*	6.3	15	6;8;8;8	A	B-	None	Preserve
100	Moreton Bay fig	*Ficus macrophylla*	18	25	10;18;14;10	A	A	Significant	Preserve

Tree/ Palm No.	Common Name	Botanical Name	Trunk Diameter (inches)	Height (feet)	Spread N;E;S;W (feet)	Health Grade	Structure Grade	Protected, Significant or Palm	Disposition
101	Moreton Bay fig	*Ficus macrophylla*	12	20	13;11;13;15	A	A	Significant	Preserve
102	Moreton Bay fig	*Ficus macrophylla*	14	25	14;16;15;16	A	A	Significant	Preserve
OS103	aleppo pine	*Pinus halepensis*	27.7, 27.5	45	23;28;22;24	B	B	Significant	Preserve
104	aleppo pine	*Pinus halepensis*	22.1	40	21;18;14;18	B-	B-	Significant	Preserve
OS105	aleppo pine	*Pinus halepensis*	20	35	25;26;13;15	C	C	Significant	Preserve
106	Brazilian pepper	*Schinus terebinthifolius*	6.6	20	10;0;10;5	A	B	None	Remove
107	Mediterranean fan palm	*Chamaerops humilis*	BT-13, 15, 15	20	6;15;6;9	A	A	Palm	Remove
108	floss silk	*Ceiba speciosa*	12.2	40	3;3;6;0	C	C	Significant	Remove
109	floss silk	*Ceiba speciosa*	12.5	30	0;0;15;0	B	B-	Significant	Remove
110	floss silk	*Ceiba speciosa*	17.7	40	12;6;12;4	B	B-	Significant	Remove
111	floss silk	*Ceiba speciosa*	19.3	40	10;0;15;10	B	B	Significant	Remove
112	floss silk	*Ceiba speciosa*	7.9	20	0;0;12;0	B	B	Significant	Remove
113	umbrella tree	*Schefflera actinophylla*	3, 4.1, 5.9, 5.2, 6.8	12	9;6;9;10	C	C	Significant	Remove
114	floss silk	*Ceiba speciosa*	11.1	30	0;0;4;6	C	C	Significant	Remove
115	floss silk	*Ceiba speciosa*	11.7	30	0;0;0;14	C	C	Significant	Remove
116	floss silk	*Ceiba speciosa*	17	30	12;12;10;4	B-	C	Significant	Remove
117	floss silk	*Ceiba speciosa*	12.3	30	0;0;0;14	B-	C	Significant	Remove
118	floss silk	*Ceiba speciosa*	12.5	25	10;10;0;12	B	B-	Significant	Remove
119	floss silk	*Ceiba speciosa*	6.9	20	12;0;0;4	B-	C+	None	Remove
120	floss silk	*Ceiba speciosa*	11.1	15	6;9;10;7	C+	C+	Significant	Remove

Tree/ Palm No.	Common Name	Botanical Name	Trunk Diameter (inches)	Height (feet)	Spread N;E;S;W (feet)	Health Grade	Structure Grade	Protected, Significant or Palm	Disposition
121	floss silk	*Ceiba speciosa*	20.4	30	10;0;7;15	B	B-	Significant	Remove
122	floss silk	*Ceiba speciosa*	12.9	25	0;0;0;15	B-	C	Significant	Remove
123	floss silk	*Ceiba speciosa*	18.7	30	4;10;15;15	B	B-	Significant	Remove
124	queen palm	*Syagrus romanzoffiana*	BT-13	23	10;6;6;7	A	A	Palm	Remove
125	queen palm	*Syagrus romanzoffiana*	BT-20	30	6;6;10;6	A	A	Palm	Remove
126	queen palm	*Syagrus romanzoffiana*	BT-13	23	10;6;6;7	A	A	Palm	Remove
127	queen palm	*Syagrus romanzoffiana*	BT-10	15	10;7;6;6	A	A	Palm	Remove
128	fishtail palm	*Caryota gigas*	Palm has died and has been removed since our 2018 inventory. Not included in overall tree count.						
129	Mediterranean fan palm	*Chamaerops humilis*	BT-10, 10, 10, 10, 10, 10	15	10;10;10;10	A	A	Palm	Remove
130	queen palm	*Syagrus romanzoffiana*	BT-23	30	10;10;10;10	A	B	Palm	Remove
131	queen palm	*Syagrus romanzoffiana*	BT-20	27	9;9;9;9	A	A-	Palm	Remove
132	queen palm	*Syagrus romanzoffiana*	BT-25	32	9;9;9;9	A	A-	Palm	Remove
133	Mediterranean fan palm	*Chamaerops humilis*	BT-14, 14, 14, 14, 14	17	0;10;10;10	A	A	Palm	Remove
134	queen palm	*Syagrus romanzoffiana*	BT-8	13	6;6;6;6	A	A	Palm	Remove
135	queen palm	*Syagrus romanzoffiana*	BT-8	13	6;6;6;6	A	A	Palm	Remove
136	Mexican fan palm	*Washingtonia robusta*	BT-60	65	6;6;6;6	A	A	Palm	Remove
137	Mexican fan palm	*Washingtonia robusta*	BT-60	65	6;6;6;6	A	A	Palm	Remove
138	Mexican fan palm	*Washingtonia robusta*	BT-60	65	6;6;6;6	A	A	Palm	Remove
139	Mediterranean fan palm	*Chamaerops humilis*	BT-7	10	3;3;3;3	A	A	Palm	Remove
140	Mediterranean fan palm	*Chamaerops humilis*	BT-7	10	3;3;3;3	A	A	Palm	Remove

Tree/ Palm No.	Common Name	Botanical Name	Trunk Diameter (inches)	Height (feet)	Spread N;E;S;W (feet)	Health Grade	Structure Grade	Protected, Significant or Palm	Disposition
141	queen palm	*Syagrus romanzoffiana*	BT-10	18	9;9;9;9	A	A	Palm	Remove
142	queen palm	*Syagrus romanzoffiana*	BT-12	20	6;6;6;6	A	A	Palm	Remove
143	queen palm	*Syagrus romanzoffiana*	BT-15	22	6;6;6;6	B	B	Palm	Remove
144	queen palm	*Syagrus romanzoffiana*	BT-20	30	10;10;10;10	A	A	Palm	Remove
145	queen palm	*Syagrus romanzoffiana*	BT-13	20	10;10;10;10	A	A	Palm	Remove
146	queen palm	*Syagrus romanzoffiana*	Palm has died and has been removed since our 2018 inventory. Not included in overall tree count.						
147	queen palm	*Syagrus romanzoffiana*	BT-15	21	10;10;10;10	A	A	Palm	Remove
148	queen palm	*Syagrus romanzoffiana*	BT-10	18	10;10;10;10	A	A	Palm	Remove
149	queen palm	*Syagrus romanzoffiana*	BT-13	19	9;9;9;9	A-	A	Palm	Remove
150	queen palm	*Syagrus romanzoffiana*	BT-13	18	8;8;8;8	B	B	Palm	Remove
151	queen palm	*Syagrus romanzoffiana*	BT-12	20	10;10;10;10	A	A	Palm	Remove
152	queen palm	*Syagrus romanzoffiana*	BT-15	22	6;6;6;6	B	A	Palm	Remove
153	queen palm	*Syagrus romanzoffiana*	BT-15	25	10;10;10;10	B	B	Palm	Remove
154	queen palm	*Syagrus romanzoffiana*	Palm has died and has been removed since our 2018 inventory. Not included in overall tree count.						
155	queen palm	*Syagrus romanzoffiana*	BT-15	20	9;9;9;9	A	A	Palm	Remove
156	queen palm	*Syagrus romanzoffiana*	BT-15	22	9;9;9;9	A	A	Palm	Remove
157	queen palm	*Syagrus romanzoffiana*	BT-15	21	9;9;9;9	A	A	Palm	Remove
158	queen palm	*Syagrus romanzoffiana*	BT-30	36	10;10;10;10	A	A	Palm	Remove
159	queen palm	*Syagrus romanzoffiana*	BT-16	20	2;2;2;2	B-	C	Palm	Remove
160	queen palm	*Syagrus romanzoffiana*	BT-15	21	6;6;6;6	A	A	Palm	Remove

Tree/ Palm No.	Common Name	Botanical Name	Trunk Diameter (inches)	Height (feet)	Spread N;E;S;W (feet)	Health Grade	Structure Grade	Protected, Significant or Palm	Disposition
161	queen palm	*Syagrus romanzoffiana*	BT-11	16	5;7;7;7	A	A	Palm	Remove
162	queen palm	*Syagrus romanzoffiana*	BT-10	12	1;1;1;1	C	C	Palm	Remove
163	queen palm	*Syagrus romanzoffiana*	BT-15	25	10;10;10;10	A	A	Palm	Remove
164	queen palm	*Syagrus romanzoffiana*	BT-15	25	10;10;10;10	A	A	Palm	Remove
165	New Zealand Christmas tree	*Metrocideros excelsa*	5.8, 7.5, 8.1, 6.4, 5.4, 7.1, 12.5	25	15;18;20;18	A-	A-	Significant	Remove
166	New Zealand Christmas tree	*Metrocideros excelsa*	4.5, 4.6, 4.6, 7.4, 6.5, 5.1	15	10;12;15;10	B	B	Significant	Remove
167	New Zealand Christmas tree	*Metrocideros excelsa*	4.1, 6.4, 5.3, 5.9, 4.2	12	10;10;10;10	B+	B+	Significant	Remove
168	queen palm	*Syagrus romanzoffiana*	BT-20	25	7;7;7;7	A	A	Palm	Remove
169	queen palm	*Syagrus romanzoffiana*	BT-20	25	7;7;7;7	A	A	Palm	Remove
170	American sweetgum	*Liquidambar styraciflua*	11.5	30	3;3;6;4	B	B	Significant	Remove
171	American sweetgum	*Liquidambar styraciflua*	12.8	30	10;5;10;10	B+	B+	Significant	Remove
172	American sweetgum	*Liquidambar styraciflua*	16.1	30	10;10;10;10	B+	B+	Significant	Remove
173	American sweetgum	*Liquidambar styraciflua*	11.5	30	10;10;10;10	B	B	Significant	Remove
174	American sweetgum	*Liquidambar styraciflua*	13.6	35	10;10;10;10	B	B	Significant	Remove
175	American sweetgum	*Liquidambar styraciflua*	13.6	35	10;10;10;10	B	B-	Significant	Remove
176	Moreton Bay fig	*Ficus macrophylla*	17.3, 24.6, 34	30	20;20;20;20	B	B-	Significant	Remove
177	Indian laurel	*Ficus microcarpa*	17.3 at 2.5'	25	18;18;12;18	B	B-	Significant	Remove
178	Indian laurel	*Ficus microcarpa*	19.3	25	18;18;12;18	B	B-	Significant	Remove
179	queen palm	*Syagrus romanzoffiana*	BT-25	32	6;6;6;6	A	A-	Palm	Remove
180	queen palm	*Syagrus romanzoffiana*	BT-23	33	9;9;9;9	A	A	Palm	Remove

Tree/ Palm No.	Common Name	Botanical Name	Trunk Diameter (inches)	Height (feet)	Spread N;E;S;W (feet)	Health Grade	Structure Grade	Protected, Significant or Palm	Disposition
181	weeping fig	*Ficus benjamina*	7.1, 7.9 at 4'	10	5;5;5;5	A	B	Significant	Remove
182	weeping fig	*Ficus benjamina*	9.7, 11.4	10	6;6;6;6	A	B	Significant	Remove
183	weeping fig	*Ficus benjamina*	4.9, 4.7, 4.4, 5.2	10	6;6;6;6	A	B	Significant	Remove
184	Mexican fan palm	*Washingtonia robusta*	BT-50	57	6;6;6;6	A	A	Palm	Remove
185	Mexican fan palm	*Washingtonia robusta*	BT-50	60	6;6;6;6	A	A	Palm	Remove
186	Mexican fan palm	*Washingtonia robusta*	BT-45	52	6;6;6;6	A	A	Palm	Remove
187	Mexican fan palm	*Washingtonia robusta*	BT-45	52	6;6;6;6	A	A	Palm	Remove
188	Mexican fan palm	*Washingtonia robusta*	BT-50	57	6;6;6;6	A	A	Palm	Remove
189	Mexican fan palm	*Washingtonia robusta*	BT-50	57	6;6;6;6	A	A	Palm	Remove
190	Mexican fan palm	*Washingtonia robusta*	BT-45	55	6;6;6;6	A	A	Palm	Remove
191	Mexican fan palm	*Washingtonia robusta*	BT-45	52	6;6;6;6	A	B-	Palm	Remove
192	California pepper	*Schinus molle*	4.6, 3.9, 4.1	15	10;12;10;10	A	B	Significant	Remove
193	Mexican fan palm	*Washingtonia robusta*	BT-40	50	6;6;6;6	A	A	Palm	Remove
194	Mexican fan palm	*Washingtonia robusta*	BT-30	35	6;6;6;6	A	A	Palm	Remove
195	California pepper	*Schinus molle*	6	12	8;12;12;10	A	A	No	Remove
196	Mexican fan palm	*Washingtonia robusta*	BT-40	45	6;6;6;6	A	A	Palm	Remove
197	California pepper	*Schinus molle*	4.2, 7.9	15	11;10;13;10	A	A	Significant	Remove
198	Mexican fan palm	*Washingtonia robusta*	BT-45	55	6;6;6;6	A	A	Palm	Remove
199	Mexican fan palm	*Washingtonia robusta*	BT-30	35	6;6;6;6	A	A	Palm	Remove
200	Mexican fan palm	*Washingtonia robusta*	BT-35	42	6;6;6;6	A	A	Palm	Remove

Tree/ Palm No.	Common Name	Botanical Name	Trunk Diameter (inches)	Height (feet)	Spread N;E;S;W (feet)	Health Grade	Structure Grade	Protected, Significant or Palm	Disposition
201	California pepper	*Schinus molle*	4.5, 5.1	10	6;10;10;10	A	B	Significant	Remove
202	Mexican fan palm	*Washingtonia robusta*	BT-30	35	6;6;6;6	A	A	Palm	Remove
203	Mexican fan palm	*Washingtonia robusta*	BT-35	40	6;6;6;6	A	A	Palm	Remove
204	California pepper	*Schinus molle*	8.3	10	7;9;10;7	A	A	Significant	Remove
205	Mexican fan palm	*Washingtonia robusta*	BT-33	38	6;6;6;6	A	A	Palm	Remove
206	Mexican fan palm	*Washingtonia robusta*	BT-30	37	6;6;6;6	A	A	Palm	Remove
207	California pepper	*Schinus molle*	6.3, 8.7	15	14;12;16;8	A	A-	Significant	Remove
208	Mexican fan palm	*Washingtonia robusta*	BT-35	40	6;6;6;6	A	A	Palm	Remove
209	Mexican fan palm	*Washingtonia robusta*	BT-40	45	6;6;6;6	A	A	Palm	Remove
210	Mexican fan palm	*Washingtonia robusta*	BT-35	42	6;6;6;6	A	A	Palm	Remove
211	California pepper	*Schinus molle*	4.8, 6.7	12	8;10;9;11	A	A	Significant	Remove
212	Mexican fan palm	*Washingtonia robusta*	BT-35	42	6;6;6;6	A	A	Palm	Remove
213	Mexican fan palm	*Washingtonia robusta*	BT-35	42	6;6;6;6	A	A	Palm	Remove
214	Mexican fan palm	*Washingtonia robusta*	BT-38	45	6;6;6;6	A	A	Palm	Remove
OS215	Mexican fan palm	*Washingtonia robusta*	BT-40	47	6;6;6;6	A	A	Palm	Preserve
OS216	Mexican fan palm	*Washingtonia robusta*	BT-40	47	6;6;6;6	A	A	Palm	Preserve
OS217	aleppo pine	*Pinus halepensis*	8.5	25	21;0;0;0	A	B-	Significant	Preserve
OS218	aleppo pine	*Pinus halepensis*	24.6	70	25;4;12;30	A	B+	Significant	Preserve
OS219	aleppo pine	*Pinus halepensis*	20.1	45	33;9;0;18	A	B-	Significant	Preserve
OS220	aleppo pine	*Pinus halepensis*	23.5	70	30;15;15;20	A	B+	Significant	Preserve

Tree/ Palm No.	Common Name	Botanical Name	Trunk Diameter (inches)	Height (feet)	Spread N;E;S;W (feet)	Health Grade	Structure Grade	Protected, Significant or Palm	Disposition
OS221	New Zealand Christmas tree	*Metrocideros excelsa*	4.7, 4.8	20	15;6;6;7	B	B-	Significant	Preserve
OS222	Moreton Bay fig	*Ficus macrophylla*	12	20	18;18;12;6	A	B	Significant	Preserve
223	Brazilian pepper	*Schinus terebinthifolius*	3.3, 5.2, 5.5, 2.1, 1.5	20	14;12;8;13	B	C	Significant	Remove
224	Brazilian pepper	*Schinus terebinthifolius*	1.6, 1.8, 3.3, 2.4, 2.5, 3.6, 3.2, 3.8, 2, 2.2	20	10;14;10;16	B	B	Significant	Remove
225	Brazilian pepper	*Schinus terebinthifolius*	2.1, 2.1, 2.2, 4.1	16	7;6;10;6	B	B-	Significant	Remove
226	Brazilian pepper	*Schinus terebinthifolius*	4.2, 6.2, 2.5	18	5;9;12;9	B	C	Significant	Remove
227	blackwood acacia	*Acacia melanoxylon*	4.6, 4.6	18	5;14;15;13	C	C	Significant	Remove
228	blackwood acacia	*Acacia melanoxylon*	9.4	12	0;25;0;0	B	C-	Significant	Preserve
229	blackwood acacia	*Acacia melanoxylon*	2.5, 3, 4.2	12	0;0;0;24	B-	C-	Significant	Preserve
OS230	aleppo pine	*Pinus halepensis*	11.7, 11	55	0;0;0;30	B	B	Significant	Preserve
OS231	aleppo pine	*Pinus halepensis*	32	50	17;16;16;19	B+	B	Significant	Preserve
232	California pepper	*Schinus molle*	5.8, 5.4	15	5;10;10;8	B-	B-	Significant	Remove

BT = Brown Trunk Height – because palms typically do not increase in trunk diameter as they mature, they are measured by Brown Trunk Height, the distance between grade and the newest emerging spear.

CONCLUSION

If the Project proceeds as proposed, a total of 88 trees, 84 of which are "significant," and 95 palms will require removal due to their location within or in proximity to development limits for the proposed Project's hotel expansion and associated improvements. Again, there are no trees considered "protected" by the City of Los Angeles' Tree Preservation Ordinance.

- Although a Tree Protection Plan is not required per the City's Tree Ordinance since none of the trees inventoried in this report are "protected" trees, we recommend that a six- or eight-foot tall chain link fencing be installed during construction to adequately protect trees to be preserved.
- Replacement of the non-protected but "significant" trees to be removed may be required by the City's Planning Department. Typically, the replacement ratio is 1:1 with minimum 24-inch box specimen size.
- Tree/palm removals shall occur outside of nesting bird season, generally defined as January through September. If removals must occur during nesting bird season, all precautions related to State and Federal laws that protect nesting birds will be adhered to.

Please feel welcome to contact me at our Santa Monica office if you have any immediate questions or concerns.

Respectfully submitted,

Cy Carlberg, Registered Consulting Arborist
Principal, Carlberg Associates

Note: This report comprises a total of 195 pages and 16 full-size maps. Unauthorized separation or removal of any portion of this report deems it invalid as a whole. Conditions represented in this report are limited to the inventory date and time. Risk assessments were not requested nor performed for the purposes of this report. Ratings for health, aesthetics, and structure do not constitute a health or structural guarantee beyond the date and time of the inspection.

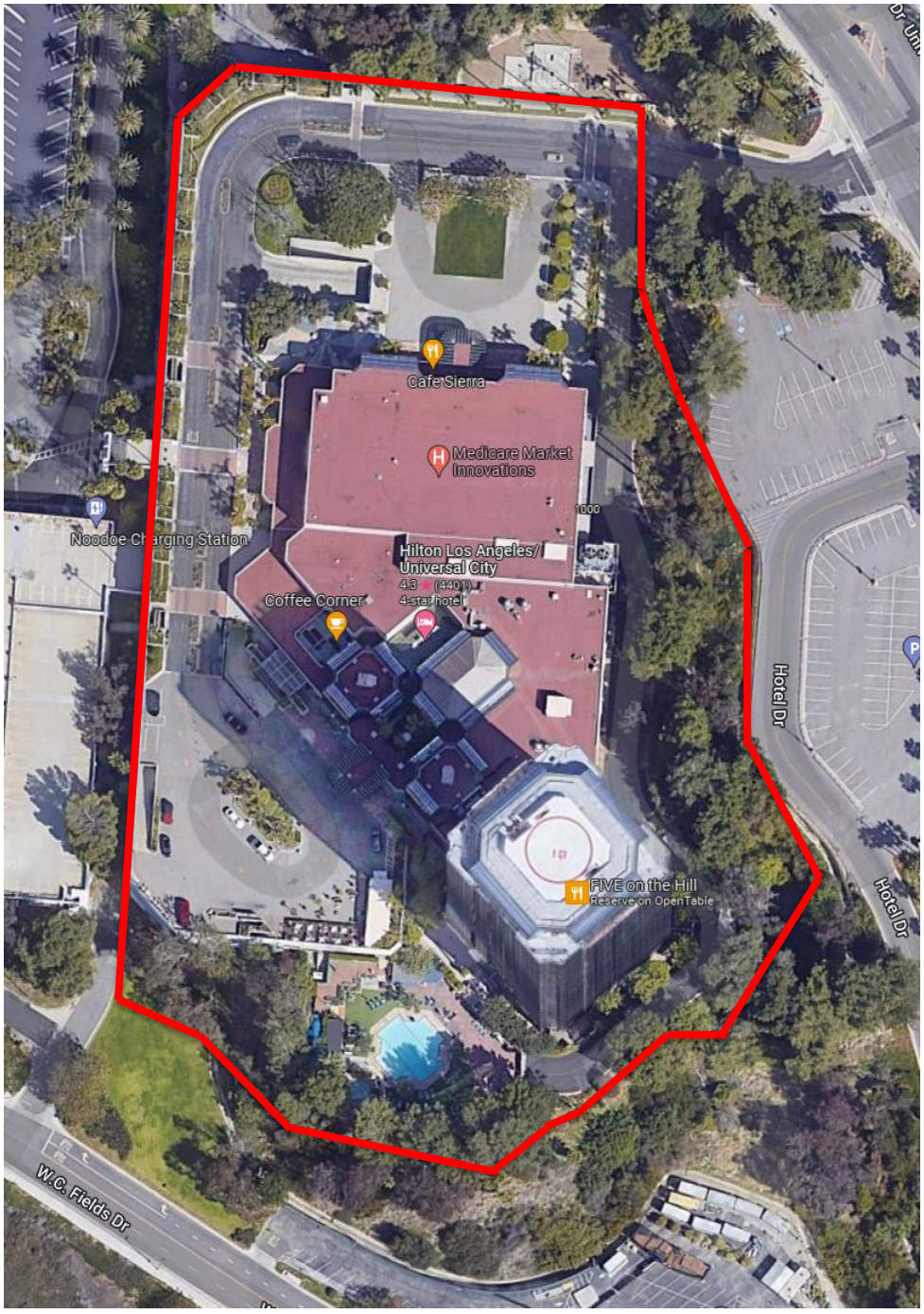


EXHIBIT 1 – AERIAL IMAGE OF SUBJECT PROPERTY
SOURCE: GOOGLE MAPS

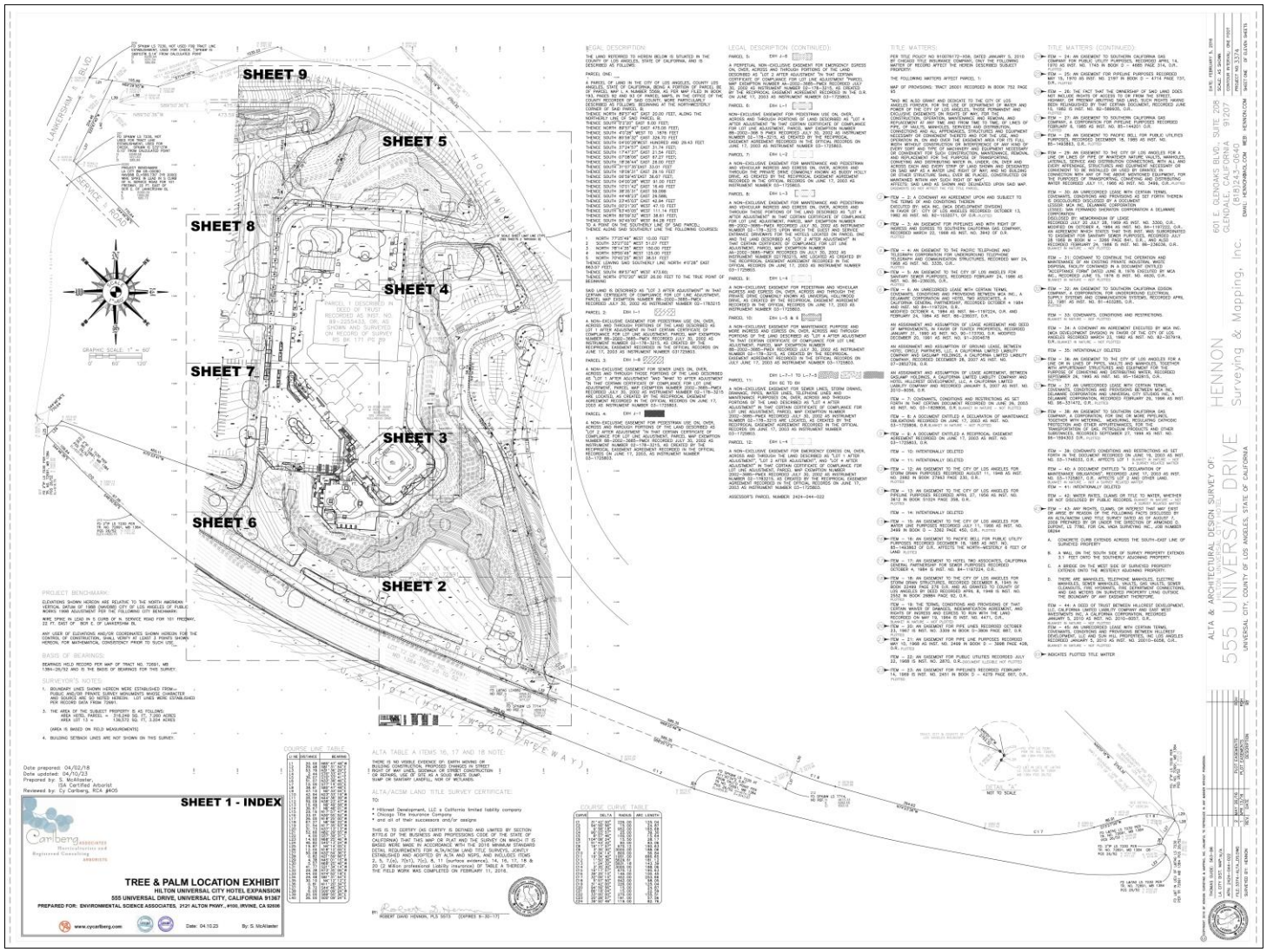
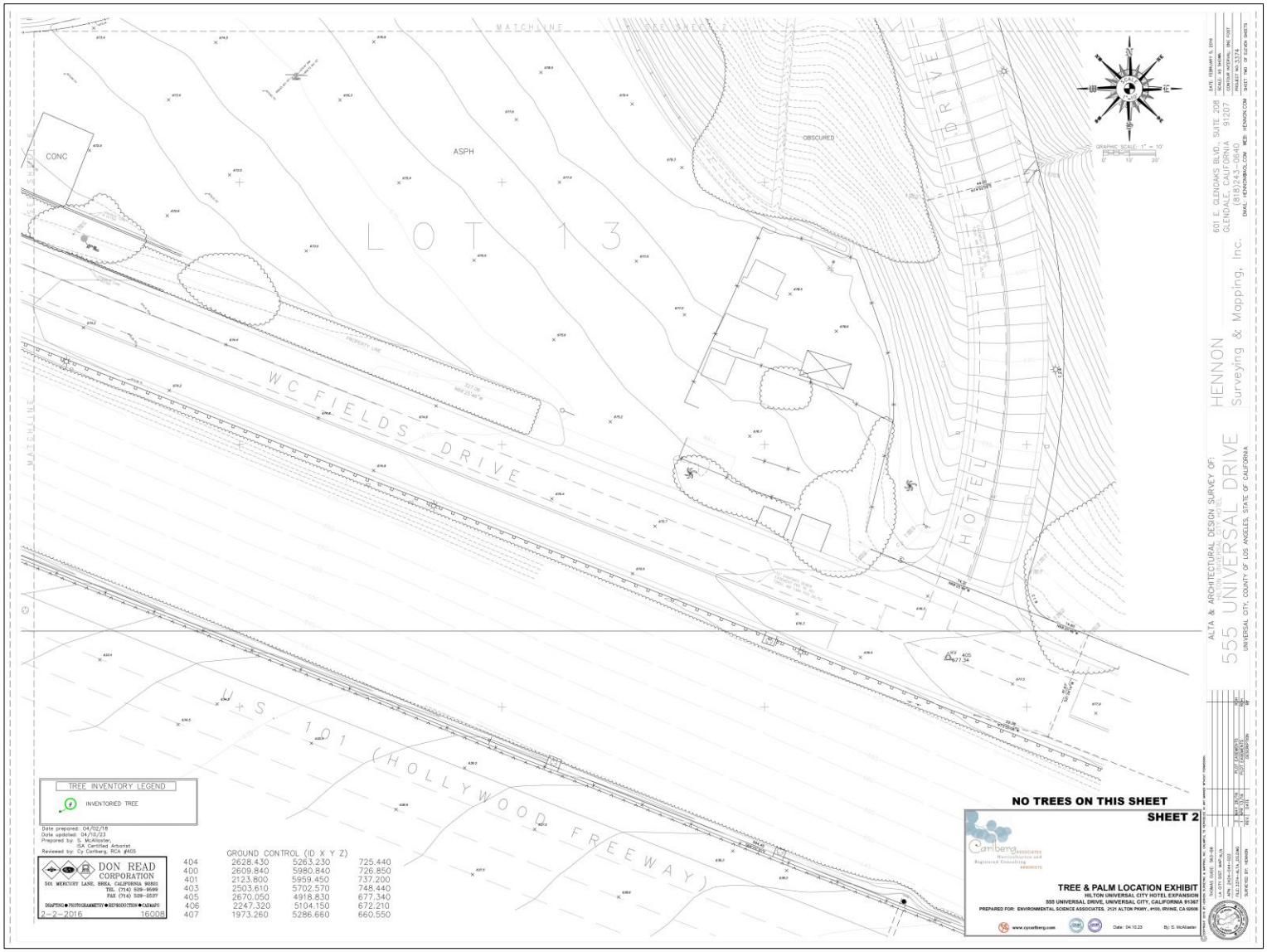


EXHIBIT 2 – REDUCED COPY OF TREE & PALM LOCATION EXHIBIT
(9 SHEETS)


MATCHLINE
CONC
ASPH
OBSCURED
L O T 1 3
W C F I E L D S D R I V E
H O L L Y W O O D D R
U.S. 101 (HOLLYWOOD FREEWAY)
TREE INVENTORY LEGEND
INVENTORED TREE
Date prepared: 04/02/16
Date updated: 04/18/23
Prepared by: S. McAllister,
ISA Certified Arborist
Reviewed by: Cy Carlberg, RCA #405
DON READ CORPORATION
501 MERCURY LANE, BREA, CALIFORNIA 92821
TEL (714) 529-0580
FAX (714) 529-0597
DRAFTING • PHOTOGRAMMETRY • REPRODUCTION • CADMAPS
2-2-2016 16008
GROUND CONTROL (ID X Y Z)
404 2628.430 5263.230 725.440
400 2609.840 5980.840 726.850
401 2123.800 5959.450 737.200
403 2503.610 5702.570 748.440
405 2670.050 4918.830 677.340
406 2247.320 5104.150 672.210
407 1973.260 5286.660 660.550
NO TREES ON THIS SHEET
SHEET 2
TREE & PALM LOCATION EXHIBIT
HILTON UNIVERSAL CITY HOTEL EXPANSION
555 UNIVERSAL DRIVE, UNIVERSAL CITY, CALIFORNIA 91367
PREPARED FOR: ENVIRONMENTAL SCIENCE ASSOCIATES, 2121 ALTON PKWY., #150, IRVINE, CA 92606
www.cyarlberg.com
Date: 04.10.23
By: S. McAllister
ALTA & ARCHITECTURAL DESIGN SURVEY OF:
555 UNIVERSAL DRIVE
UNIVERSAL CITY, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA
HENNON
Surveying & Mapping, Inc.
601 E. GLENOAKS BLVD., SUITE 208
GLENDALE, CALIFORNIA 91207
(818) 243-4141
DATE: FEBRUARY 5, 2016
SCALE: AS SHOWN
CONTOUR INTERVAL: ONE FOOT
PROJECT NO. 5374-A
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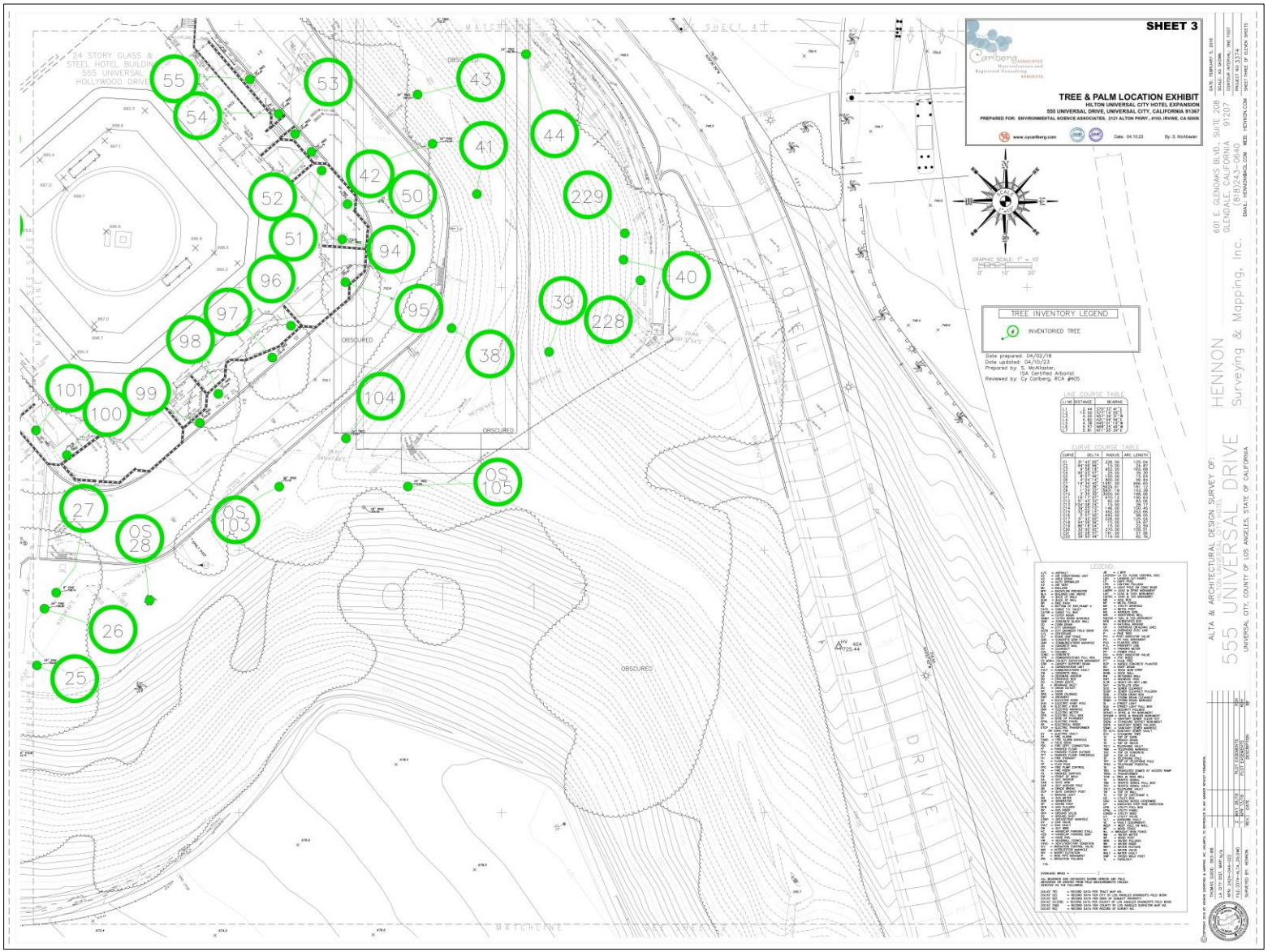
SHEET 3
TREE & PALM LOCATION EXHIBIT
HILTON UNIVERSAL CITY HOTEL EXPANSION
555 UNIVERSAL DRIVE, UNIVERSAL CITY, CALIFORNIA 91367
PREPARED FOR: ENVIRONMENTAL SCIENCE ASSOCIATES, 2121 ALTON PKWY., #100, IRVINE, CA 92606
TREE INVENTORY LEGEND
INVENTORIED TREE
Date prepared: 04/02/18
Date updated: 04/10/23
Prepared by: S. McAlister,
ISA Certified Arborist
Reviewed by: Cy Carlberg, RCA #405
ALTA & ARCHITECTURAL DESIGN SURVEY OF:
555 UNIVERSAL DRIVE
UNIVERSAL CITY, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA
HENNON
Surveying & Mapping, Inc.
601 E. GLENOAKS BLVD., SUITE 208
GLENDALE, CALIFORNIA 91207
(818)243-0640
EMAIL: HENNON@AOL.COM WEB: HENNON.COM
DATE: FEBRUARY 9, 2016
SCALE: AS SHOWN
DRAWN BY: JMC 2007
PROJECT NO. 3374
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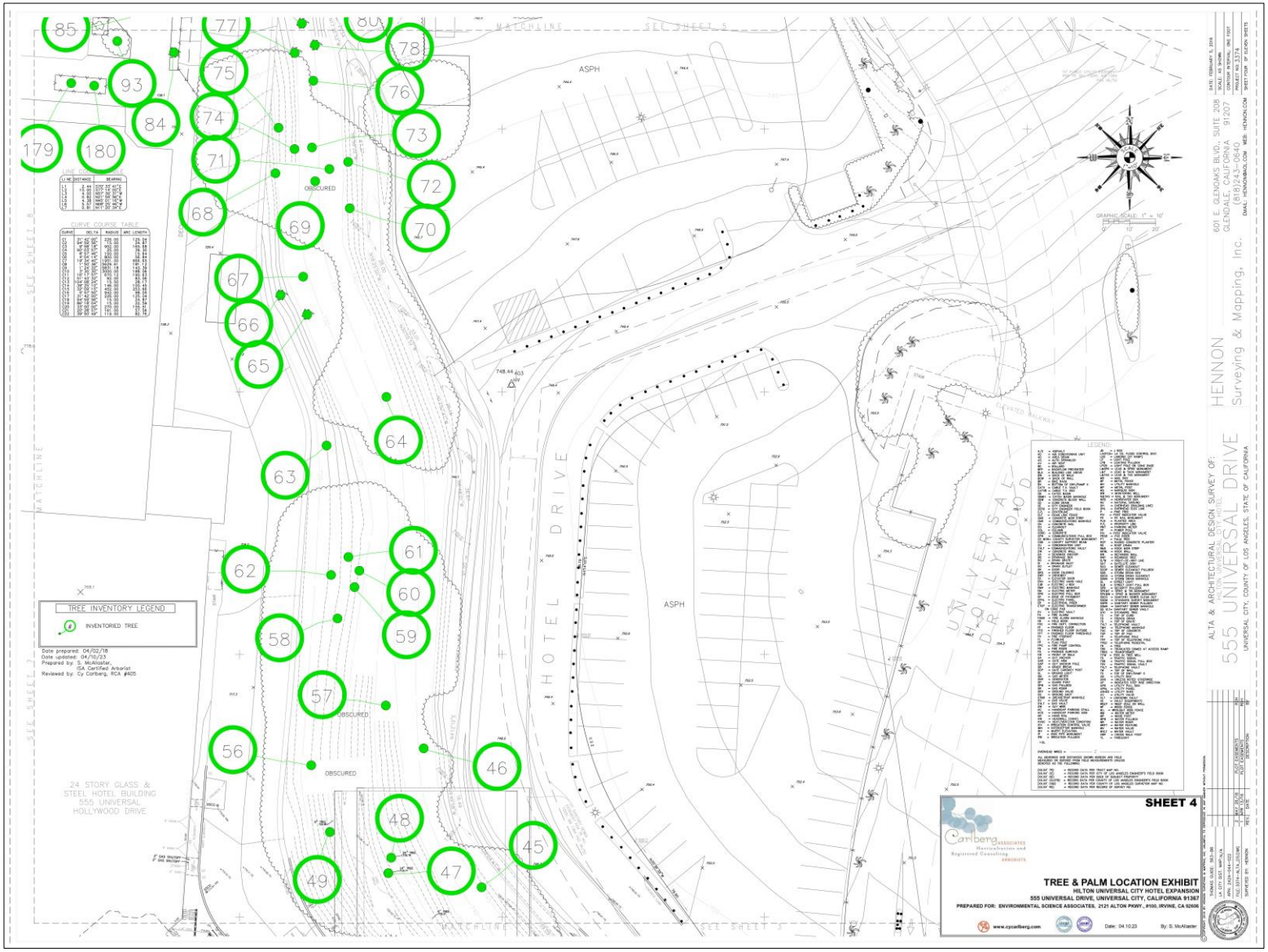
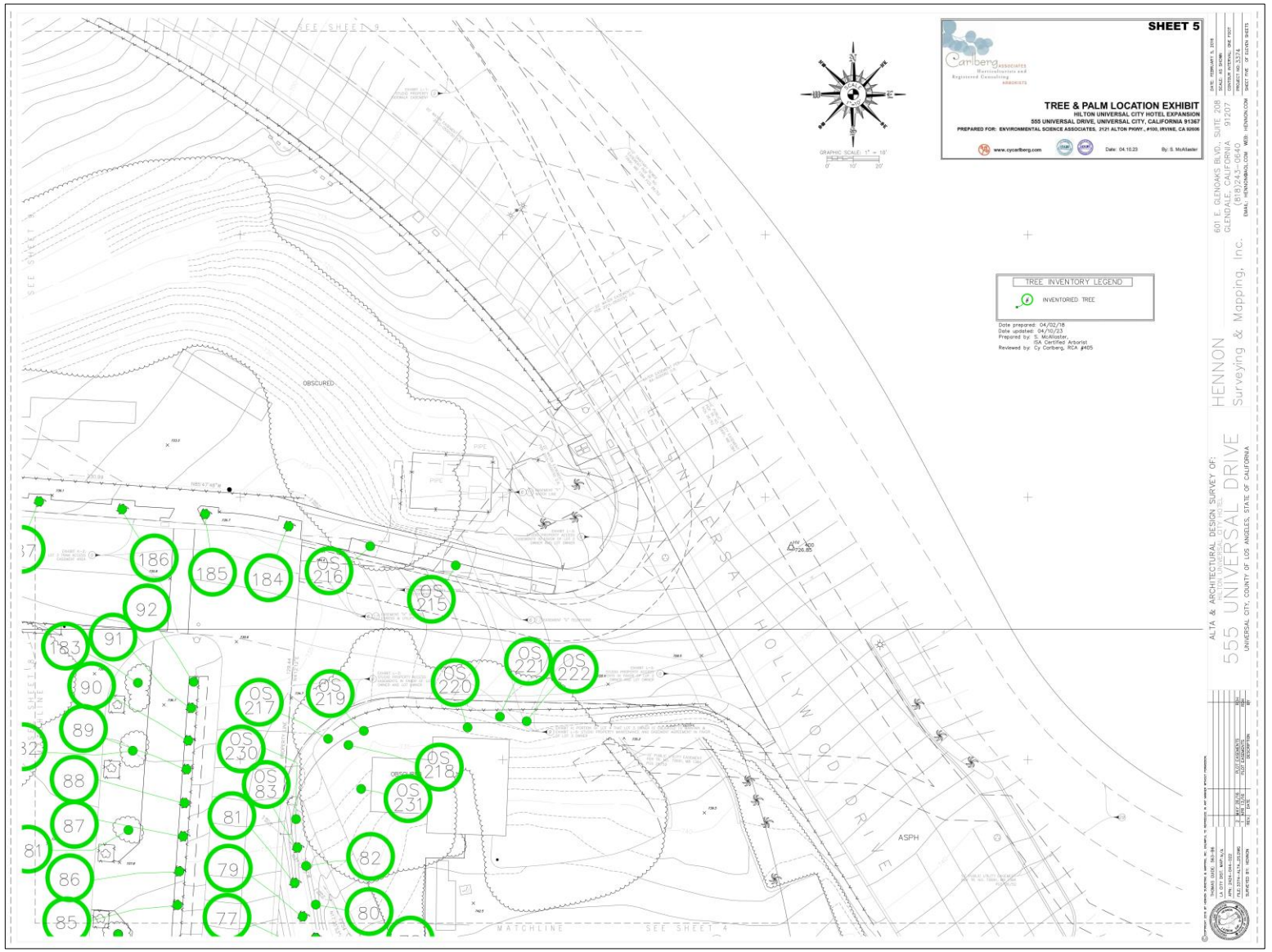
HOTEL
DRIVE
MATCHLINE
SEE SHEET 4
SEE SHEET 2


TREE INVENTORY LEGEND
INVENTORIED TREE
Date prepared: 04/02/18
Date updated: 04/10/23
Prepared by: S. McAlister
ISA Certified Arborist
Reviewed by: Cy Carlberg, RCA #405
24 STORY GLASS & STEEL HOTEL BUILDING 555 UNIVERSAL HOLLYWOOD DRIVE
HOTEL DRIVE
UNIVERSAL HOLLYWOOD DRIVE
ASPH
OBSCURED
SHEET 4
TREE & PALM LOCATION EXHIBIT
HILTON UNIVERSAL CITY HOTEL EXPANSION
555 UNIVERSAL DRIVE, UNIVERSAL CITY, CALIFORNIA 91387
PREPARED FOR: ENVIRONMENTAL SCIENCE ASSOCIATES, 2121 ALTON PKWY., #100, IRVINE, CA 92606
ALTA & ARCHITECTURAL DESIGN SURVEY OF:
555 UNIVERSAL DRIVE
UNIVERSAL CITY, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA
HENNON Surveying & Mapping, Inc.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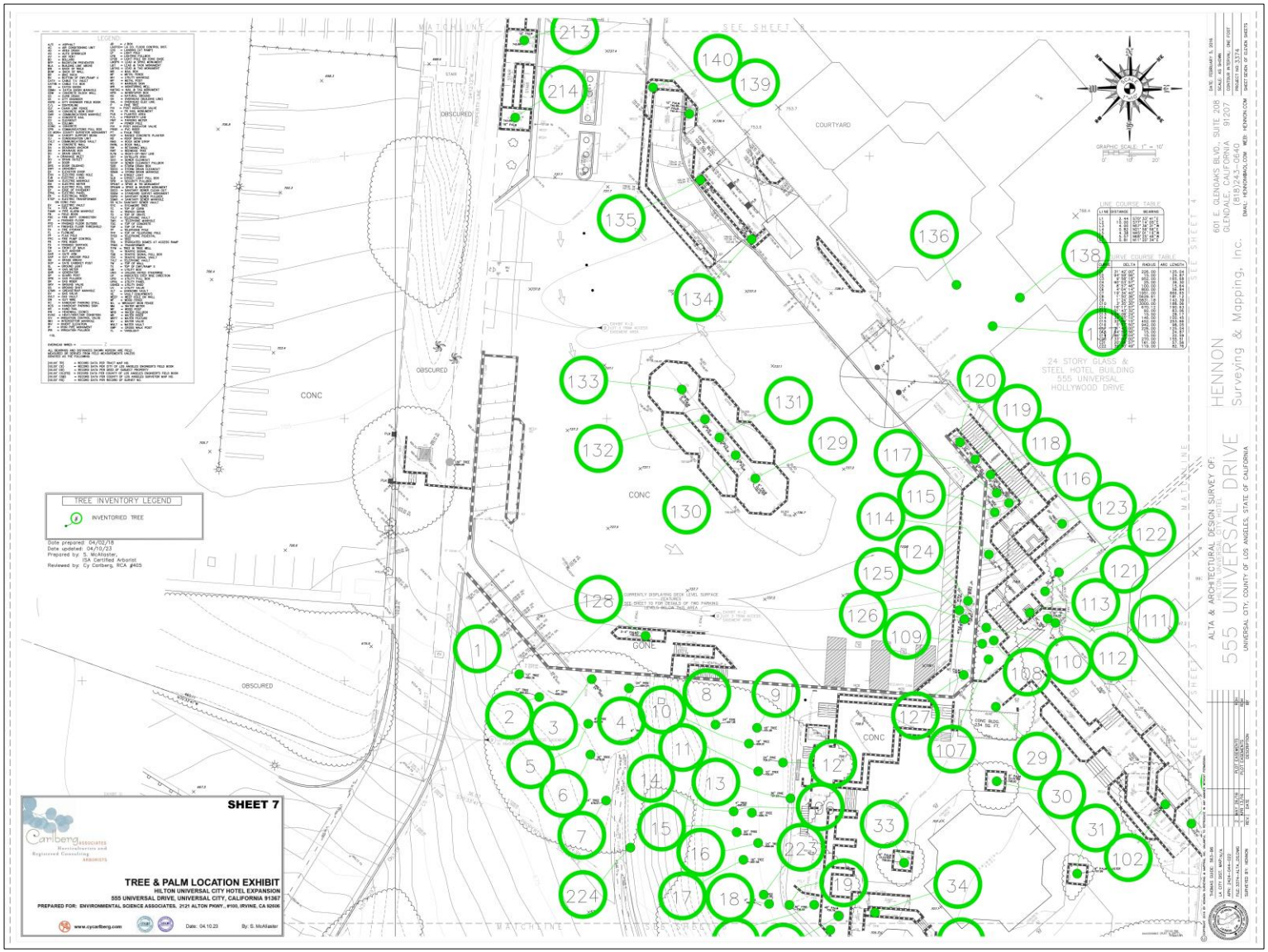
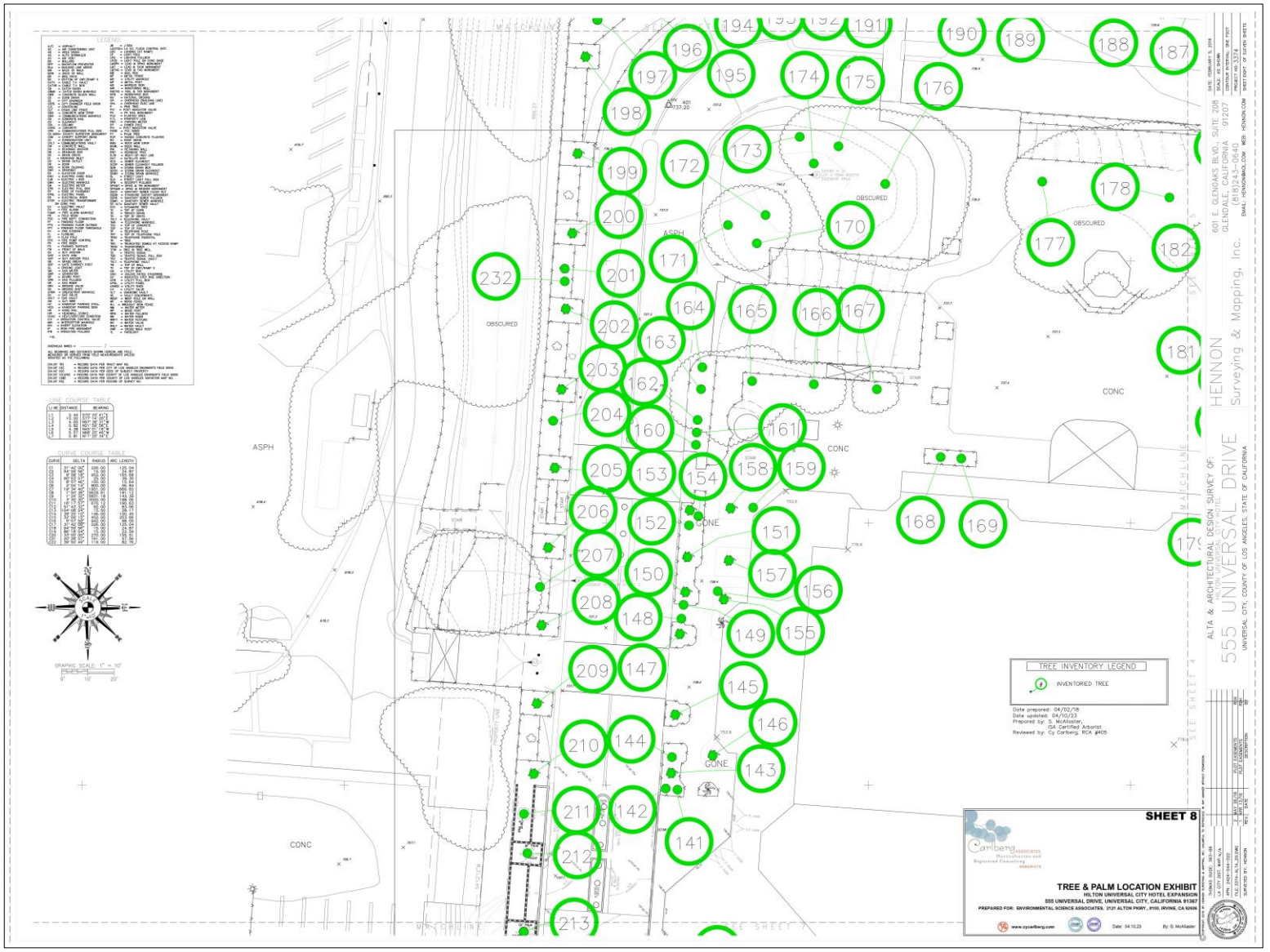
TREE & PALM LOCATION EXHIBIT
HILTON UNIVERSAL CITY HOTEL EXPANSION
555 UNIVERSAL DRIVE, UNIVERSAL CITY, CALIFORNIA 91367
PREPARED FOR: ENVIRONMENTAL SCIENCE ASSOCIATES, 2121 ALTON PKWY., #100, IRVINE, CA 92606
TREE INVENTORY LEGEND
INVENTORIED TREE
UNIVERSAL HOLLYWOOD DRIVE
ASPH
OBSCURED
MATCHLINE
SEE SHEET 4
SEE SHEET 6
555 UNIVERSAL DRIVE
HENNON
Surveying & Mapping, Inc.

W.C. FIELDS DRIVE
U.S. HOLLYWOOD FREEWAY
LOTS
ASPH
OBSCURED
TREE INVENTORY LEGEND
INVENTORIED TREE
SHEET 6
TREE & PALM LOCATION EXHIBIT
HILTON UNIVERSAL CITY HOTEL EXPANSION
555 UNIVERSAL DRIVE, UNIVERSAL CITY, CALIFORNIA 91367
PREPARED FOR: ENVIRONMENTAL SCIENCE ASSOCIATES, 2121 ALTON PKWY., #100, IRVINE, CA 92606
HENNON
Surveying & Mapping, Inc.
555 UNIVERSAL DRIVE
UNIVERSAL CITY, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA


TREE INVENTORY LEGEND
INVENTORIED TREE
SHEET 7
TREE & PALM LOCATION EXHIBIT
HILTON UNIVERSAL CITY HOTEL EXPANSION
555 UNIVERSAL DRIVE, UNIVERSAL CITY, CALIFORNIA 91367
PREPARED FOR: ENVIRONMENTAL SCIENCE ASSOCIATES, 2121 ALTON PKWY., #100, IRVINE, CA 92606
24 STORY GLASS & STEEL HOTEL BUILDING 555 UNIVERSAL HOLLYWOOD DRIVE
COURTYARD
CONC
OBSCURED
555 UNIVERSAL DRIVE
HENNON Surveying & Mapping, Inc.


TREE INVENTORY LEGEND
INVENTORIED TREE
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TREE & PALM LOCATION EXHIBIT
HILTON UNIVERSAL CITY HOTEL EXPANSION
555 UNIVERSAL DRIVE, UNIVERSAL CITY, CALIFORNIA 91367
HENNON
Surveying & Mapping, Inc.
555 UNIVERSAL DRIVE
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UNIVERSAL CITY, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA
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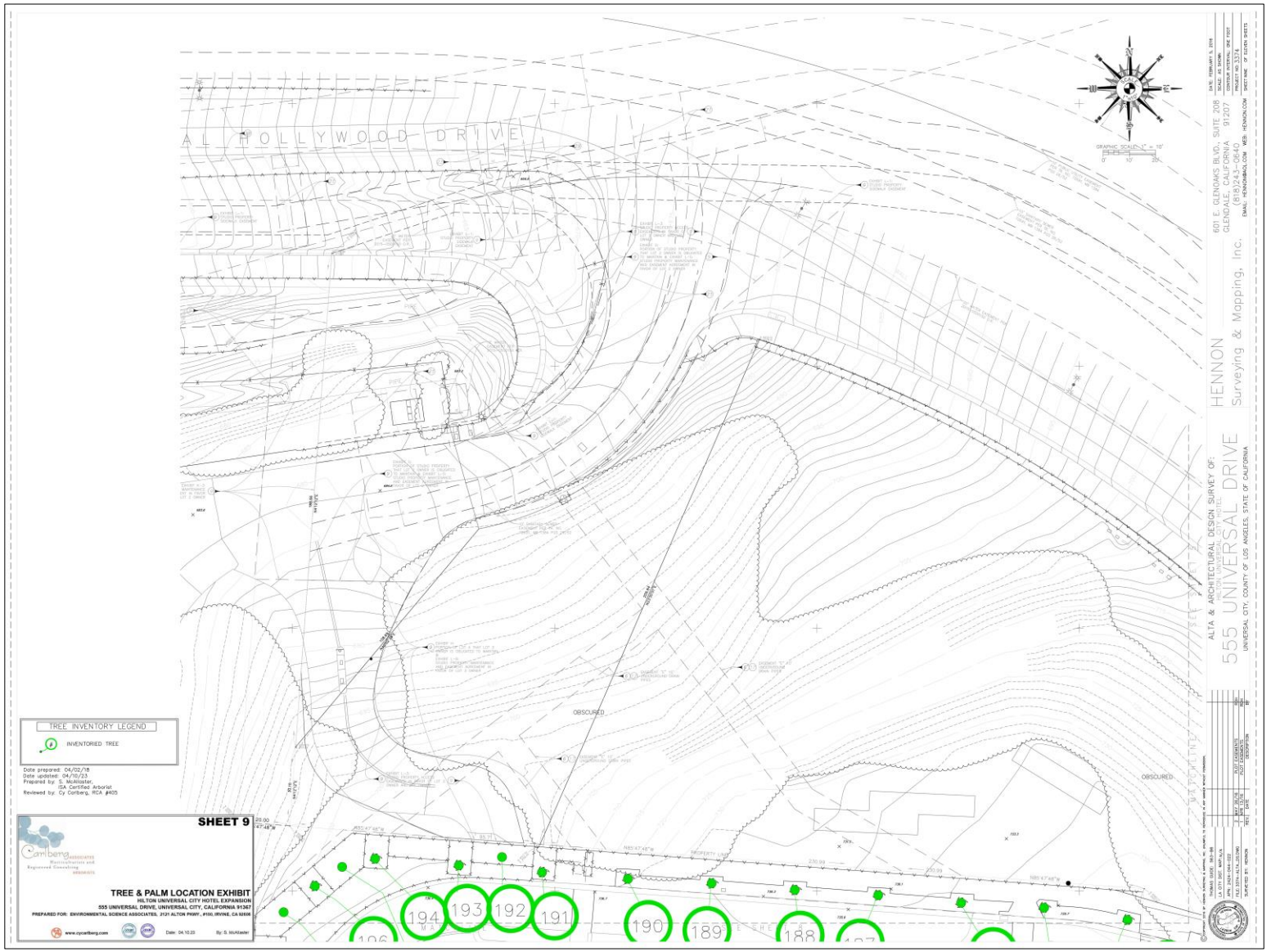
TREE INVENTORY LEGEND
INVENTORIED TREE
SHEET 9
TREE & PALM LOCATION EXHIBIT
HILTON UNIVERSAL CITY HOTEL EXPANSION
555 UNIVERSAL DRIVE, UNIVERSAL CITY, CALIFORNIA 91367
PREPARED FOR: ENVIRONMENTAL SCIENCE ASSOCIATES, 2121 ALTON PKWY., #100, IRVINE, CA 92606
ALTA & ARCHITECTURAL DESIGN SURVEY OF:
555 UNIVERSAL DRIVE
HENNON
Surveying & Mapping, Inc.
OBSCURED
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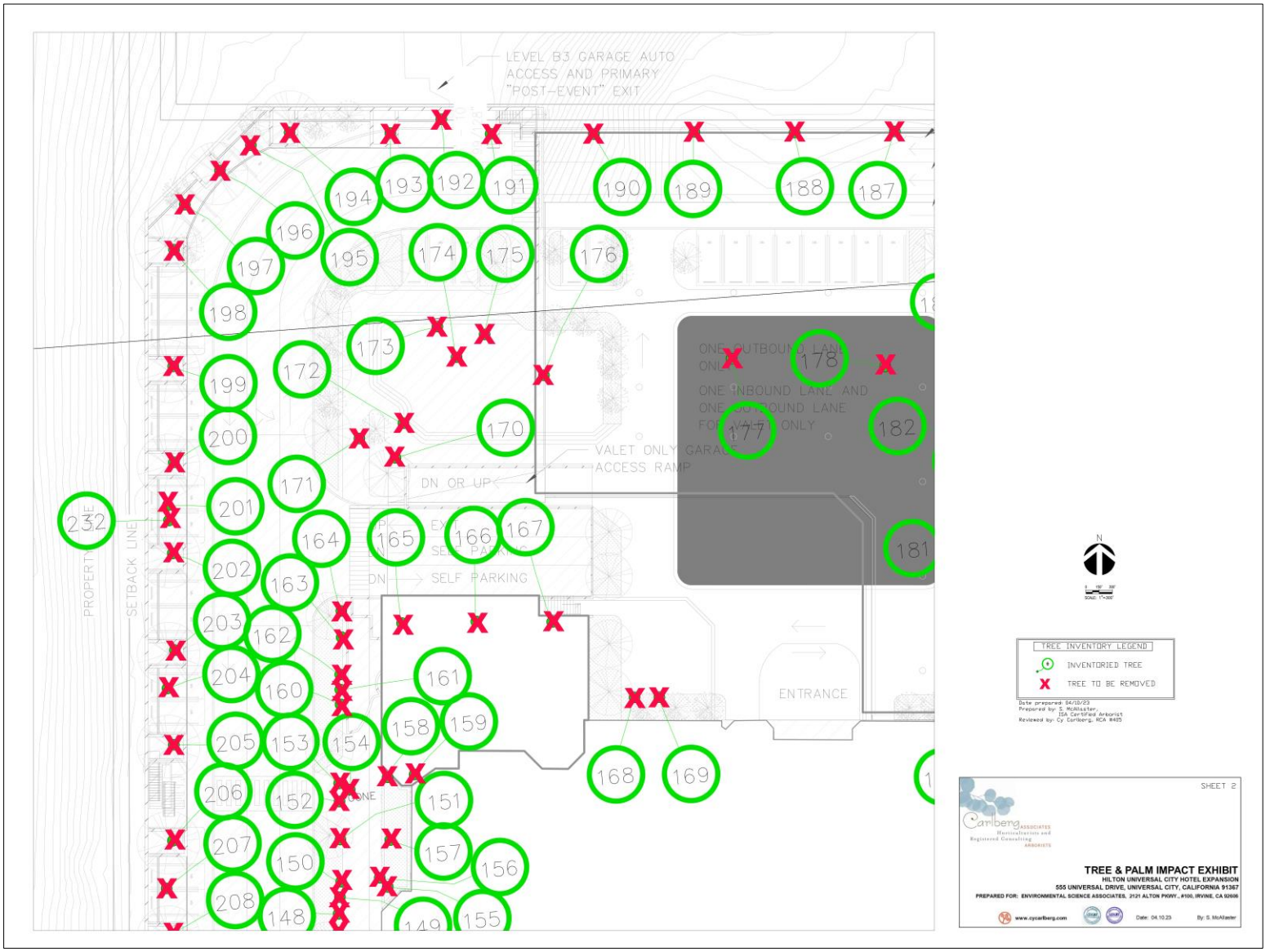
EXHIBIT 3 – REDUCED COPY OF TREE & PALM IMPACT EXHIBIT
(7 SHEETS)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ONE INBOUND LANE AND ONE OUTBOUND LANE FOR VALET ONLY
VALET ONLY GARAGE ACCESS RAMP
DN OR UP
DN SELF PARKING
ENTRANCE
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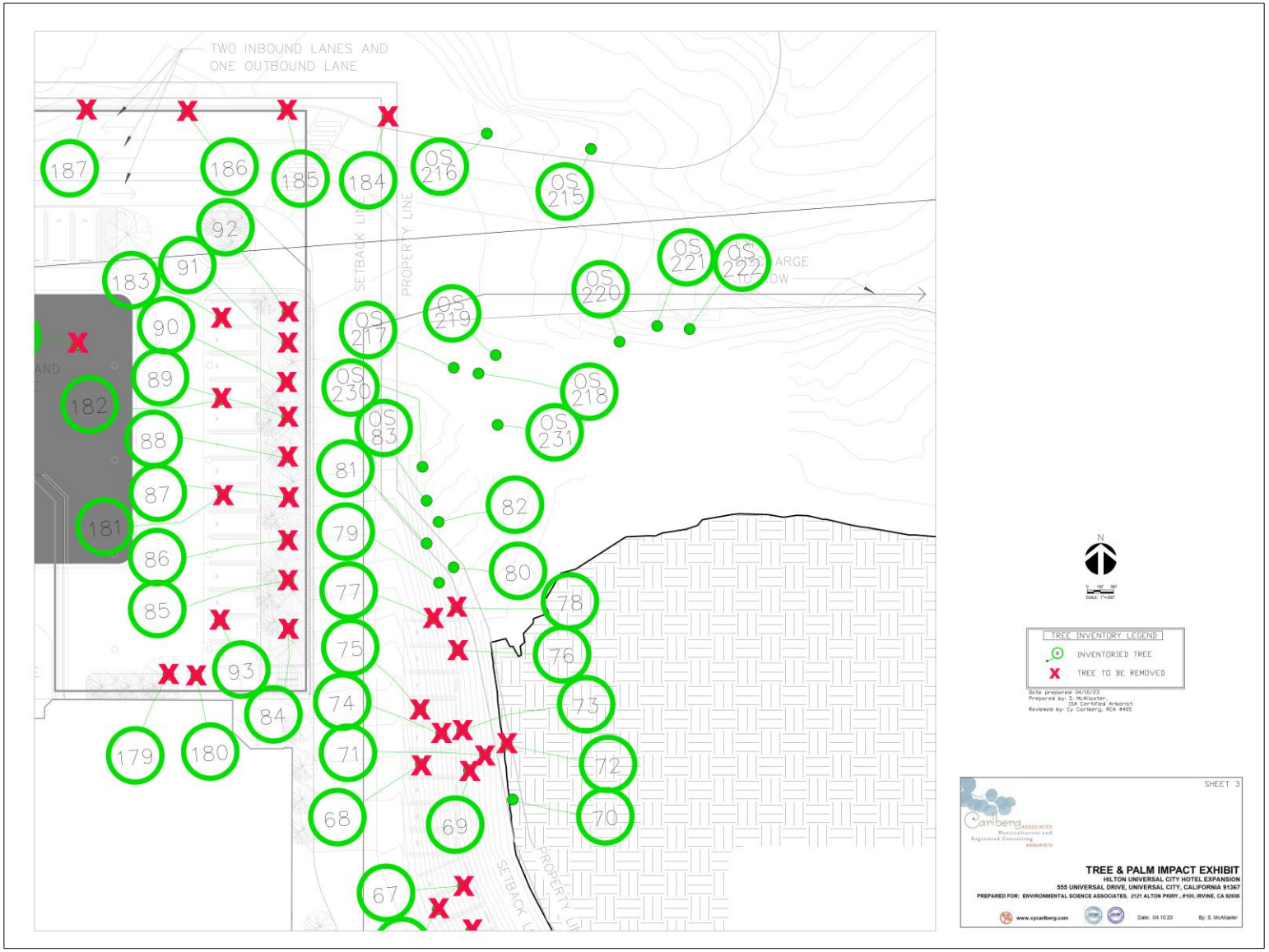
TREE INVENTORY LEGEND
INVENTORIED TREE
TREE TO BE REMOVED
SHEET 2
TREE & PALM IMPACT EXHIBIT
HILTON UNIVERSAL CITY HOTEL EXPANSION
555 UNIVERSAL DRIVE, UNIVERSAL CITY, CALIFORNIA 91367
PREPARED FOR: ENVIRONMENTAL SCIENCE ASSOCIATES, 2121 ALTON PKWY., #100, IRVINE, CA 92606


TWO INBOUND LANES AND
ONE OUTBOUND LANE
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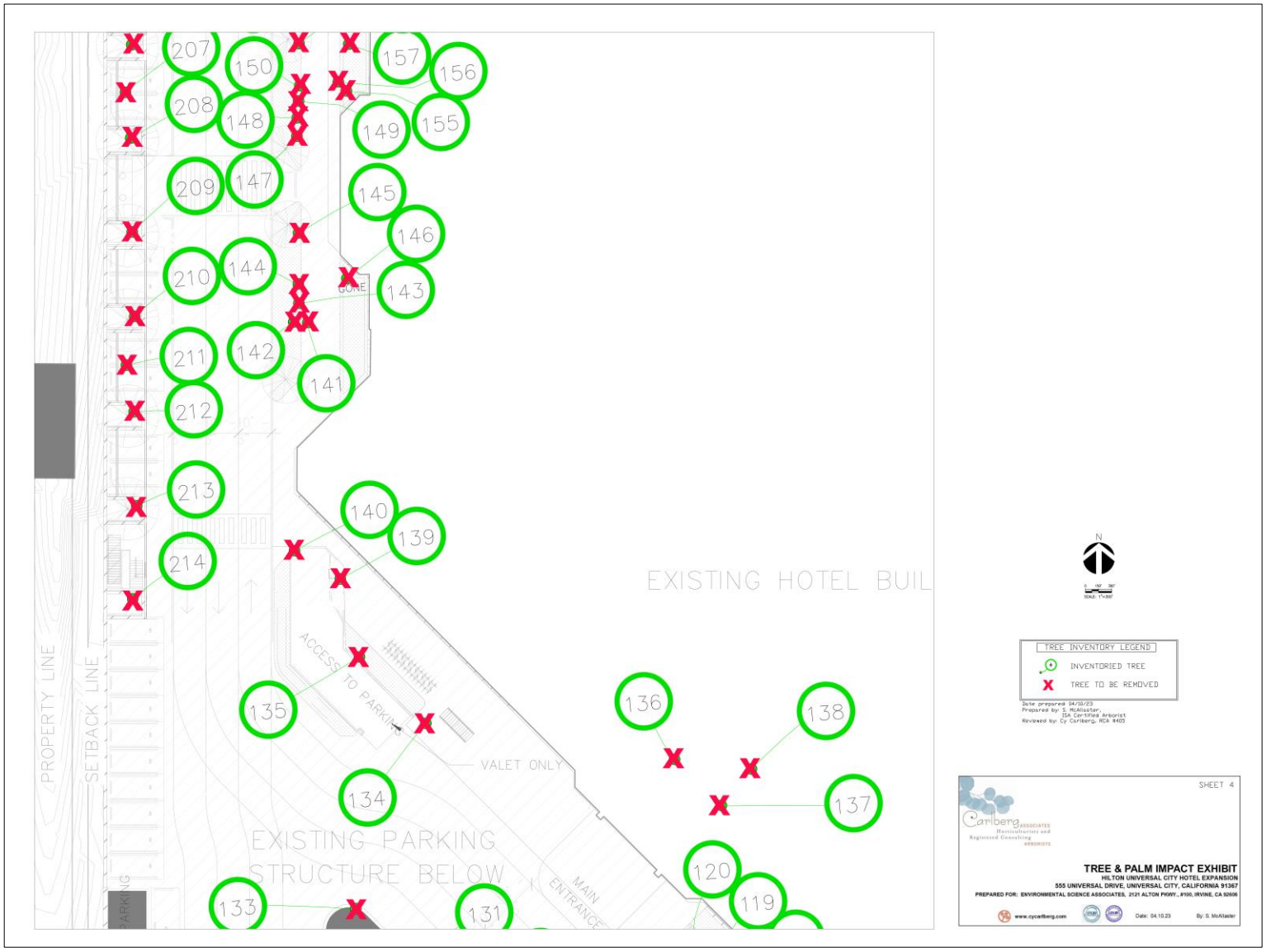
TREE INVENTORY LEGEND
INVENTORIED TREE
TREE TO BE REMOVED
SHEET 3
TREE & PALM IMPACT EXHIBIT
HILTON UNIVERSAL CITY HOTEL EXPANSION
555 UNIVERSAL DRIVE, UNIVERSAL CITY, CALIFORNIA 91367
PREPARED FOR: ENVIRONMENTAL SCIENCE ASSOCIATES, 2121 ALTON PKWY., #100, IRVINE, CA 92606
www.cycarlberg.com
Date: 04.10.23
By: S. McAlister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EXISTING HOTEL BUIL
PROPERTY LINE
SETBACK LINE
ACCESS TO PARKIN
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VALET ONLY
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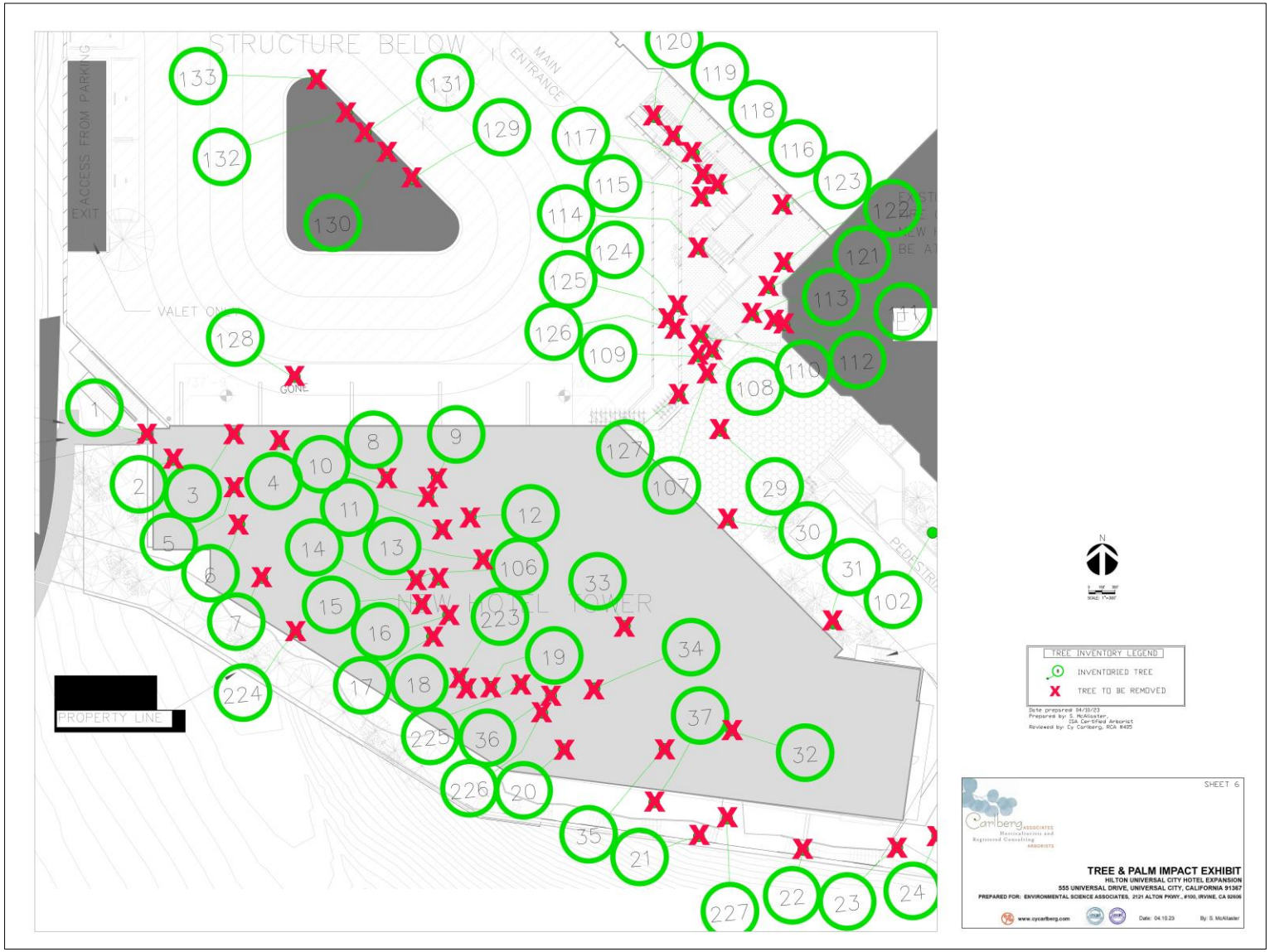
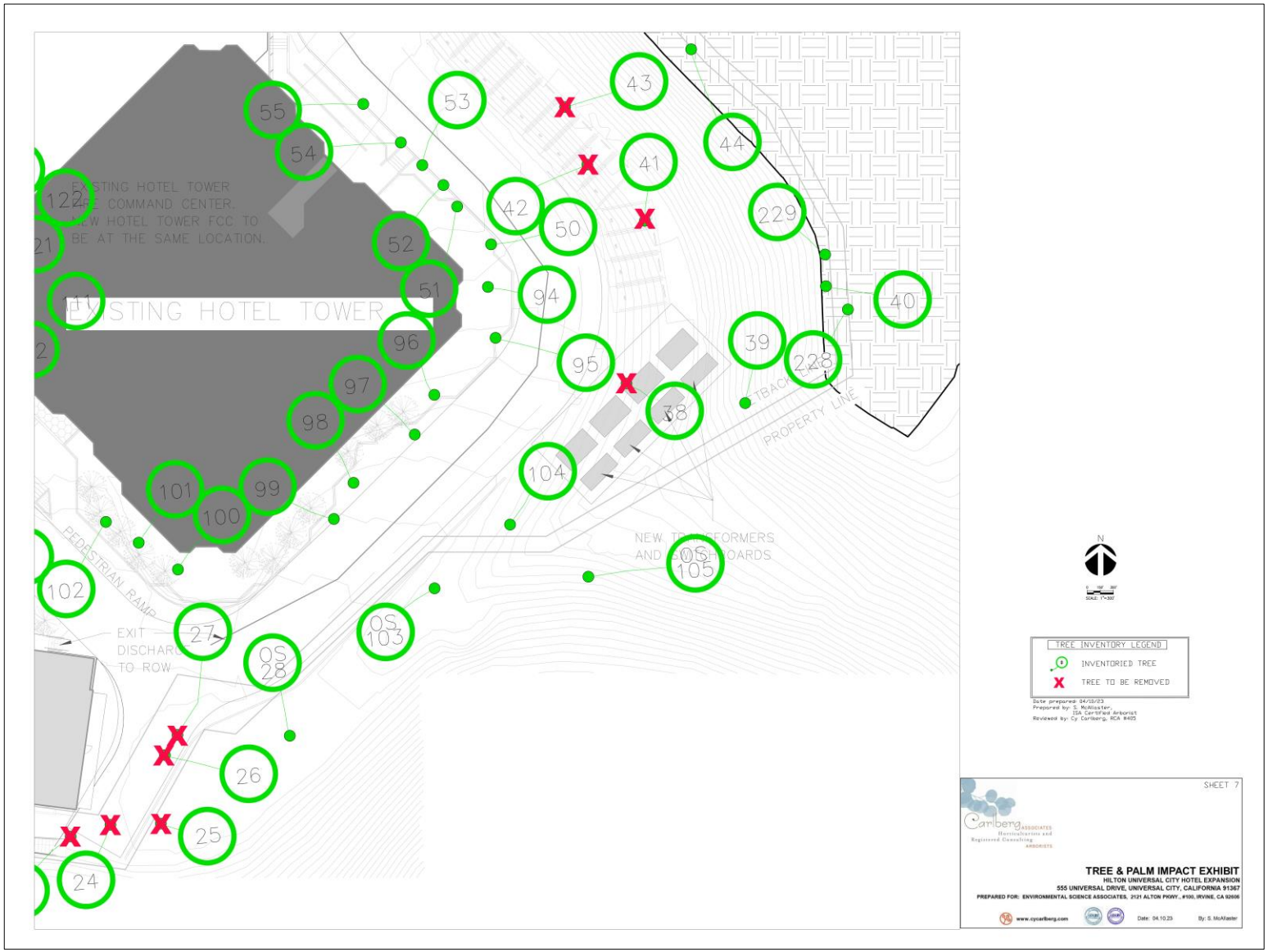
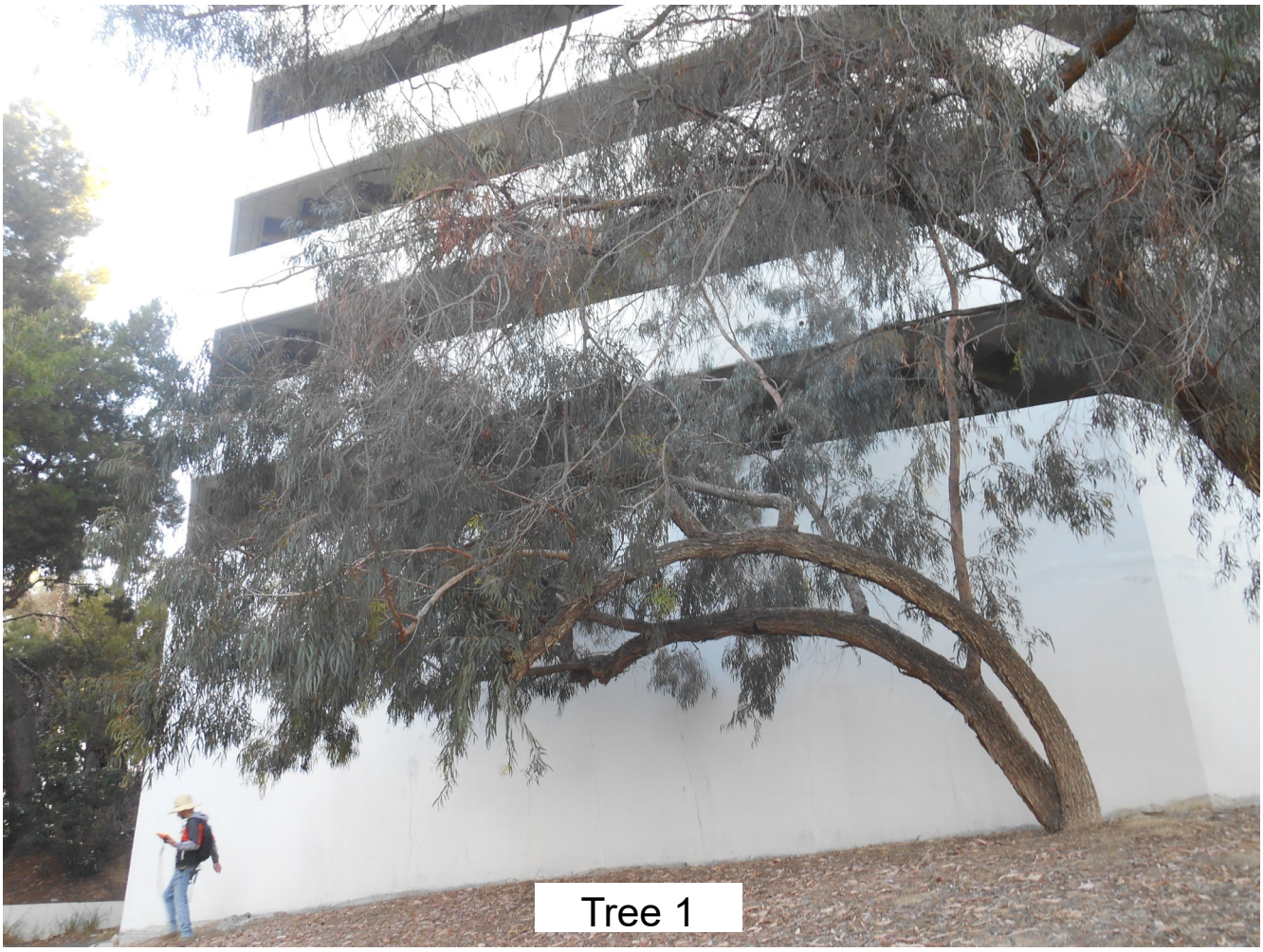
137
EXISTING PARKING
STRUCTURE BELOW
120
MAIN
ENTRANCE
133
131
119
TREE INVENTORY LEGEND
INVENTORIED TREE
TREE TO BE REMOVED
SHEET 4
TREE & PALM IMPACT EXHIBIT
HILTON UNIVERSAL CITY HOTEL EXPANSION
555 UNIVERSAL DRIVE, UNIVERSAL CITY, CALIFORNIA 91367
PREPARED FOR: ENVIRONMENTAL SCIENCE ASSOCIATES, 2121 ALTON PKWY., #100, IRVINE, CA 92606

OTEL BUILDING
EXISTING CATCH BASIN PARALLELING THE PROPERTY LINE TO REMAIN
PROPERTY LINE
SETBACK LINE
TREE INVENTORY LEGEND
INVENTORIED TREE
TREE TO BE REMOVED
SHEET 5
TREE & PALM IMPACT EXHIBIT
HILTON UNIVERSAL CITY HOTEL EXPANSION
555 UNIVERSAL DRIVE, UNIVERSAL CITY, CALIFORNIA 91367


STRUCTURE BELOW
MAIN ENTRANCE
ACCESS FROM PARKING
EXIT
VALET ONLY
GONE
NEW HOTEL TOWER
PEDESTRIAN
PROPERTY LINE
TREE INVENTORY LEGEND
INVENTORIED TREE
TREE TO BE REMOVED
SHEET 6
TREE & PALM IMPACT EXHIBIT
HILTON UNIVERSAL CITY HOTEL EXPANSION
555 UNIVERSAL DRIVE, UNIVERSAL CITY, CALIFORNIA 91367
PREPARED FOR: ENVIRONMENTAL SCIENCE ASSOCIATES, 2121 ALTON PKWY., #100, IRVINE, CA 92606
www.cycarlberg.com


EXISTING HOTEL TOWER
EXISTING HOTEL TOWER
PROPERTY LINE
PEDESTRIAN RAMP
TREE INVENTORY LEGEND
INVENTORIED TREE
TREE TO BE REMOVED
SHEET 7
TREE & PALM IMPACT EXHIBIT
HILTON UNIVERSAL CITY HOTEL EXPANSION
555 UNIVERSAL DRIVE, UNIVERSAL CITY, CALIFORNIA 91367

CAPTIONED TREE PHOTOGRAPHS



Tree 1

Tree 2

Tree 3

Tree 4

Tree 5

Tree 6

Tree 7

Tree 8

Trees 9(L) & 10(R)

Tree 11

Tree 12

Tree 13

Tree 14

Palm 15 (standing dead)

Palm 16

Palm 17

Tree 18

Tree 19

Tree 20

Trees 21(R) & 22(L)

Trees 23(R), 24(C), & 25(L)

Tree 26

Tree 27

Palm OS28

Tree 29

Palm 30

Palm 31

Palm 32

Palm 33

Palm 34

WARNING
NO LIFEGUARD
ON DUTY
NO DIVING
FOR EMERGENCY DIAL 911
CAUTION

Palm 35

Palm 36

Palm 37

Tree 38

Tree 39

Tree 40

Tree 41

Tree 42

Tree 43

Tree 44

Tree 45

Tree 46

Tree 47

Tree 48

Tree 49

Tree 50

Tree 51

Tree 52(L) - 53(R)

Tree 54(L) - 55(R)

Tree 56

Tree 57

Tree 58
SERVICES
WARNING
WARNING

Tree 59(L) - 60(R)

Tree 61

Tree 62

Tree 63

Tree 64

Palm 65(R) - 66(C) - 67(L)

Palm 68

Palm 69

Palm 70

Palm 71(R) - Tree 72(L)

Tree 73(L) - 74(R)

Tree 75

Palm 76(R) - 80(L)

Palm 81(R) - OS83(L)

Palm 84(R) & 85(L)

Palm 86(R) & 87(L)

Palm 88(R) & 89(L)

Palm 90(R), 91(C) & 92(L)

Tree 93

Tree 94

Tree 95

Tree 96(R) & 97(L)

Tree 98(R) & 99(L)

Tree 100(R), 101(C) & 102(L)

Tree OS103

Tree 104

Tree OS105

Tree 106

Palm107

Tree 108(C), 109(L) & 110(R)

Tree 111(L) - 112(R)

Tree 113

Tree 114

Tree 115(L), 116(R) & 117(C)

Tree 118(L), 119(C) & 120(R)

Tree 121(R) & 122(L)

Tree 123

Palm 24(L) - 126(R)

Palm127

TREE HAS BEEN REMOVED

Tree 128

Palm129(R), 130(RC), 131(C), 132(LC) & 133(L)

Palm134

Palm135

Palm136(L) - 138(R)

Palm139

Palm140

Palm141(R), 142(RC), 143(C), 144(LC) & 145(L)

TREE HAS BEEN REMOVED

Tree 146

Palm147(L), 148(LC), 149(RC) & 150(R)

Palm 151

Palm 152(L) - 153(R)

TREE HAS BEEN REMOVED

Tree 154

Palm 155(L) - 156(R)

Palm 157

Palm 158(R) - 159(L)

Palm 160(R), 161(RC), 162(C), 163(LC) & 164(L)

Tree 165

Tree 166

Tree 167

Palm 168(R) - 169(L)

Tree 170(R) ,171(L) & 172(C)

Tree 173(L), 174(C) & 175(R)

Tree 176

Tree 177

Tree 178

Palm 179(R) - 180(L)

Tree 181

Tree 182

Tree 183

Palm 184(R) - 185(L)

Palm 186(R) - 187(L)

Palm 188(R), 189(C) & 190(L)

Palm 191(R) & 193(L)

Tree 192

Palm 194(R) 195(C) & 196(L)

Tree 197

Hilton
Universal City
Self Parking
Valet Parking
Registration

Palm 198

Palm 199(R) - 200(L)

Tree 201

Palm 202(R) - 203(L)

Tree 204

Palm 205(R) - 206(L)

Tree 207

Palm 208(R) & 209(L)

Palm 210

Palm 212

Palm 213(R) - 214(L)

Palm OS215(R) - OS216(L)

Tree OS217

Tree OS218(R) & OS219(L)

Tree OS220(R) - OS222(L)

Tree 223

Tree 224

Tree 225

Tree 226

Tree 227

Tree 228

Tree 229

Tree OS230

Tree OS231

Tree 232

HEALTH AND STRUCTURE GRADE DEFINITIONS

Health and structure ratings of the trees are based on the archetype tree of the same species through a subjective evaluation of its physiological health, aesthetic quality, and structural integrity.

Overall physiological condition (health) and structural condition were rated A-F:

Health

A. Outstanding – Exceptional trees of good growth form and vigor for their age class; exhibiting very good to excellent health as evidenced by normal to exceptional shoot growth during current season, good bud development and leaf color, lack of leaf, twig or branch dieback throughout the crown, and the absence of decay, bleeding, or cankers. Common leaf and/or twig pests may be noted at very minor levels.
B. Above average – Good to very good trees that exhibit minor necrotic or physiological symptoms of stress and/or disease; shoot growth is less than reasonably expected, leaf color is less than optimal in some areas, the crown may be thinning, minor levels of leaf, twig, and branch dieback may be present, and minor areas of decay, bleeding, or cankers may be manifesting. Minor amounts of epicormic growth may be present. Minor amounts of fire damage or mechanical damage may be present. Still healthy, but with moderately diminished vigor and vitality. No significant decline noted.
C. Average – Average, moderately good trees whose growth habit and physiological or fire-induced symptoms indicate an equal chance to either decline or continue with good health into the near future. Most of these trees exhibit moderate to significant small deadwood in outer crown areas, decreased shoot growth and diminished leaf color and mass. Some stem and branch dieback is usually present and epicormic growth may be moderate to extensive. Cavities, pockets of decay, relatively significant fire damage, bark exfoliation, or cracks may be present. Moderate to significant amounts of insect or disease symptoms may be present; the tree may be shaded or crowded in such a way that it is expected to negatively impact the lifespan of the tree. Tree may be in early decline.
D. Below Average/Poor - trees whose growth habit and physiological or fire-induced symptoms indicate significant, irreversible decline. Most of these trees exhibit significant dieback of wood in the crown, possibly accompanied by significant epicormic sprouting. Shoot growth and leaf color and mass is either significantly diminished or nonexistent throughout the crown. Cavities, pockets of decay, significant fire damage, bark exfoliation, and/or cracks may be present. Significant amounts of insect or disease symptoms may be present; the tree may be shaded or crowded in such a way that it has negatively impacted the lifespan of the tree. Tree appears to be in irreversible decline.
F. Dead or in spiral of decline – this tree exhibits very little to no signs of life.

Structure

A. Outstanding – Trees with outstanding structure for their species exhibit trunk and branch arrangement and orientation that result in a sturdy form or architecture that resists failure under normal circumstances. The spacing, orientation, and size of the branches relative to the trunk are quintessential for the species and free from defects. No outward sign of decay or pathological disease is present. Some trees exhibit naturally inherent branching defects, like multiple, narrow points of attachment from one point on the trunk, which would preclude them from achieving an “A” grade.
B. Above average - Trees with good to very good structure for their species. They exhibit trunk and branch arrangement and orientation that result in a relatively sturdy form or architecture that resists

failure under normal circumstances, but may have some mechanical damage, over-pruning, or other minor structural defects. The spacing, orientation, and size of the branches relative to the trunk are still in the normal range for the species, but they exhibit a minor degree of defects. Minor, sub-critical levels of decay or pathological disease may be present, but the degree of damage is not yet structurally significant. Trees that exhibit naturally inherent branching defects, like multiple, narrow points of attachment from one point on the trunk, would generally fall in to this category. A small percentage of the canopy may be shaded or crowded, but not in such a way that it is expected to negatively impact the structural integrity or lifespan of the tree.

C. Average - Trees with moderately good structure for their species, but with obvious defects. They exhibit trunk and branch arrangement and orientation that result in a less than sturdy form or architecture, which reduces their resistance to failure under normal circumstances. Moderate levels of mechanical damage, over-pruning, or other structural defects may be present. The spacing, orientation, and size of some of the branches relative to the trunk are not in the normal range for the species. Moderate to significant levels of decay or pathological disease may be present that increase the likelihood of structural instability. Influences such as an excessive trunk lean, slope erosion, root pruning, or other growth-inhibiting factors may be present. A moderate to significant percentage of the canopy may be shaded or crowded in such a way that it is expected to negatively impact the structural integrity or lifespan of the tree. Risk of full or partial failure in the near future appears to be moderately elevated.

D. Well Below Average/Poor - Trees poor structure for their species and with obvious defects. They exhibit trunk and branch arrangement and orientation that result in a significantly less than sturdy form or architecture, significantly reducing their resistance to failure under normal circumstances. Significant levels of mechanical damage, over-pruning, or other structural defects may be present. The spacing, orientation, and size of many of the branches relative to the trunk are not in the normal range for the species. Significant levels of decay or pathological disease may be present that increase the likelihood of structural instability. Influences such as an excessive trunk lean, slope erosion, root pruning, or other growth-inhibiting factors may be present. A significant percentage of the canopy may be shaded or crowded in such a way that it is expected to negatively impact the structural integrity or lifespan of the tree. Risk of full or partial failure in the near future appears to be advanced.

F. Severely Compromised – trees with very poor structure and numerous or severe defects due to growing conditions, historical or recent pruning, mechanical damage, history of limb or trunk failures, advanced and irreparable decay, disease, or severe fire damage. Trees with this rating are in severe, irreparable decline, or are barely alive. Risk of full or partial failures in the near future may be severe.

ARBORIST DISCLOSURE STATEMENT

Arborists are tree specialists who use their education, knowledge, training and experience to examine trees, recommend measures to enhance the beauty and health of trees, and attempt to reduce the risk of living near trees. Clients may choose to accept or disregard the recommendations of the arborist, or to seek additional advice.

Arborists cannot detect every condition that could possibly lead to the structural failure of a tree. Trees are living organisms that fail in ways we do not fully understand. Conditions are often hidden within trees and below ground. Arborists cannot guarantee that a tree will be healthy or safe under all circumstances, or for a specified period of time. Likewise, remedial treatments, like any medicine, cannot be guaranteed.

Treatment, pruning and removal of trees may involve considerations beyond the scope of the arborist's services such as property boundaries, property ownership, site lines, disputes between neighbors, and other issues. Arborists cannot take such considerations into account unless complete and accurate information is disclosed to the arborist. An arborist should then be expected to reasonably rely upon the completeness and accuracy of the information provided.

Trees contribute greatly to our enjoyment and appreciation of life. Nonetheless, they are subject to the laws of gravity and physiological decline. Therefore, neither arborists nor tree owners can be reasonably expected to warrant unfailing predictability or elimination of risk.

Trees can be managed, but they cannot be controlled. To live near trees is to accept some degree of risk. The only way to eliminate all risk associated with trees is to eliminate all trees.

Risk assessments were neither requested nor performed on any of the trees for this project.

CERTIFICATION OF PERFORMANCE

I, Cy Carlberg, certify:

- That I have personally inspected the tree(s) and/or the property referred to in this report, and have stated my findings accurately. The extent of the evaluation and appraisal (if appropriate) is stated in the attached report and the Terms of Assignment;
- That I have no current or prospective interest in the vegetation or the property that is the subject of this report and have no personal interest or bias with respect to the parties involved;
- That the analysis, opinions, and conclusions stated herein are my own;
- That my analysis, opinions, and conclusions were developed and this report has been prepared according to commonly accepted arboricultural practices;
- That no one provided significant professional assistance to the consultant, except as indicated within the report;
- That my compensation is not contingent upon the reporting of a predetermined conclusion that favors the cause of the client or any other party.

I further certify that I am an International Society of Arboriculture Certified Arborist, a Registered Consulting Arborist, a Qualified Tree Risk Assessor, and have been involved in the practice of arboriculture and the study of trees for over 35 years.

Signed:

Date: April 14, 2023

Cy Carlberg
Registered Consulting Arborist, #405
Certified Arborist, WE-0575A
Qualified Tree Risk Assessor

CY CARLBERG
CARLBERG ASSOCIATES
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cy@cycarlberg.com • o: 310.451.4804 • www.cycarlberg.com

Education
B.S., Landscape Architecture, California State Polytechnic University, Pomona, 1985
Graduate, Arboricultural Consulting Academy, American Society of Consulting Arborists, Chicago, Illinois, February 2002
Graduate, Municipal Forestry Institute, Lied, Nebraska, 2012

Experience
Consulting Arborist, Carlberg Associates, 1998-present
Manager of Grounds Services, California Institute of Technology, Pasadena, 1992-1998
Director of Grounds, Scripps College, Claremont, 1988-1992

Certificates
Certified Arborist (#WE-0575A), International Society of Arboriculture, 1990
Registered Consulting Arborist (#405), American Society of Consulting Arborists, 2002
Certified Urban Forester (#013), California Urban Forests Council, 2004
Qualified Tree Risk Assessor, International Society of Arboriculture, 2011

AREAS OF EXPERTISE

Ms. Carlberg is experienced in the following areas of tree management and preservation:

- Tree health and risk assessment
- Master Planning
- Historic landscape assessments, preservation plans, reports
- Tree inventories and reports to satisfy jurisdictional requirements
- Expert Testimony
- Post-fire assessment, valuation, and mitigation for trees and native plant communities
- Value assessments for native and non-native trees
- Pest and disease identification
- Guidelines for oak preservation
- Selection of appropriate tree species
- Planting, pruning, and maintenance specifications
- Tree and landscape resource mapping – GPS, GIS, and AutoCAD
- Planning Commission, City Council, and community meetings representation

PREVIOUS CONSULTING EXPERIENCE

Ms. Carlberg has overseen residential and commercial construction projects to prevent damage to protected and specimen trees. She has thirty-five years of experience in arboriculture and horticulture and has performed tree health evaluation, value and risk assessment, and expert testimony for private clients, government agencies, cities, school districts, and colleges. Representative clients include:

The Huntington Library and Botanical Gardens
The Los Angeles Zoo and Botanical Gardens
The Rose Bowl and Brookside Golf Course, Pasadena
Walt Disney Concert Hall and Gardens
The Art Center College of Design, Pasadena
Pepperdine University
Loyola Marymount University
The Claremont Colleges (Pomona, Scripps, CMC, Harvey Mudd, Claremont Graduate University, Pitzer, Claremont University Center)
Quinn, Emanuel, Urquhart and Sullivan (attorneys at law)
Getty Trust – Eames House
Historic Resources Group
The City of Claremont
The City of Beverly Hills
The City of Pasadena
The City of Los Angeles
The City of Santa Monica
Santa Monica/Malibu Unified School District
San Diego Gas & Electric
Los Angeles Department of Water and Power
Rancho Santa Ana Botanic Garden, Claremont
Latham & Watkins, LLP (attorneys at law)
Architectural Resources Group
AHBE Landscape Architects
Moule and Polyzoides, Architects and Urbanists

AFFILIATIONS

Ms. Carlberg serves with the following national, state, and community professional organizations:

- California Urban Forests Council, Board Member, 1995-2006
- Street Tree Seminar, Past President, 2000-present
- American Society of Consulting Arborists Academy, Faculty Member, 2003-2005; 2014
- American Society of Consulting Arborists, Board of Directors, 2013-2015
- Member, Los Angeles Oak Woodland Habitat Conservation Strategic Alliance, 2010-present

SCOTT MCALLASTER

CARLBERG ASSOCIATES
Satellite Office – 80 W. Sierra Madre Blvd., #241 • Sierra Madre • California • 91024
828 Fifth Street, Suite 3 • Santa Monica • California • 90403
scott@cycarlberg.com • m: 424.285.3334 • www.cycarlberg.com

Education — B.A., Environmental Studies, University of California, Santa Barbara, 2000

Experience — Project Planner & Senior Arborist, Land Design Consultants, Inc.
Pasadena, 1999 – 2014

Certificates — Certified Arborist, WE-7011A, International Society of Arboriculture, 2004
Qualified Tree Risk Assessor, International Society of Arboriculture, 2015

AREAS OF EXPERTISE

Mr. McAllaster is experienced in the following areas of tree management and preservation:

- Tree health & risk assessments
- Inventories & reports for native and non-native trees
- Master planning
- Evaluation of trees for preservation, encroachment, relocation, restoration, and hazards
- Construction monitoring and reporting
- Value assessments (appraisals) for native and non-native trees
- Post-fire inventories, assessments, and valuations for native and non-native trees
- Guidelines for tree preservation, planting, pruning and maintenance specifications
- Tree and landscape resource mapping – GPS, GIS, and AutoCAD
- Planning Commission, City Council, and community meetings representation
- Review of landscape plans for mitigation compliance & fire fuel modification planning
- Performance of long-term mitigation compliance monitoring & reporting

PREVIOUS CONSULTING EXPERIENCE

Mr. McAllaster has performed hundreds of tree inventories, health evaluations, impact analyses, hazard, and value assessments for counties, cities, sanitation districts, and water districts, as well as private developers, architects, engineers, and homeowners. He has over 15 years of experience in arboriculture and is trained in environmental planning, state and federal regulatory permitting, preparation of CEQA analyses, and habitat mitigation planning and implementation. Representative clients include:

City of Pasadena
City of Santa Clarita
City of Glendora
Los Angeles County Fire Department
Los Angeles County Sanitation Districts
Newhall County Water District
Pulte/Centex Homes
Newhall Land and Farming
E & S Ring, Inc.
Hollywood Forever Cemetery
Archdiocese of Los Angeles
St. John's Hospital, Santa Monica
Kovac Architects
Tim Barber, Ltd., Architects
Ojai Valley Community Hospital
The Kibo Group
El Monte Garden Senior Center
IMT Capital, LLC
San Diego Gas & Electric
Corky McMillin Companies
City of South Gate
City of Arcadia
D2 Development
Burrtec, Inc.
The Claremont Colleges
The New Home Company
William Carey University
Claremont Golf Course
Universal Hilton
Gensler Architects
Marmol Radziner, Architects
NAC Architecture
Aurora/Signature Health Services
Monte Vista Grove Homes
Highpointe Communities
Claremont University Center

AFFILIATIONS

Mr. McAllaster serves with the following national and regional professional organizations:

- Member, International Society of Arboriculture, Western Chapter
- Member, Street Tree Seminar, Inc.

INSERT FULL-SIZE COPIES OF:

TREE AND PALM LOCATION EXHIBIT
(9 SHEETS - 36” X 48”)

&

TREE AND PALM IMPACT EXHIBIT
(7 SHEETS - 36” X 48”)