STAFF REPORT

DATE: June 3, 2021

RE: **1319 William Street & 1316 Royal Street** (permit application # TP2021-0002)

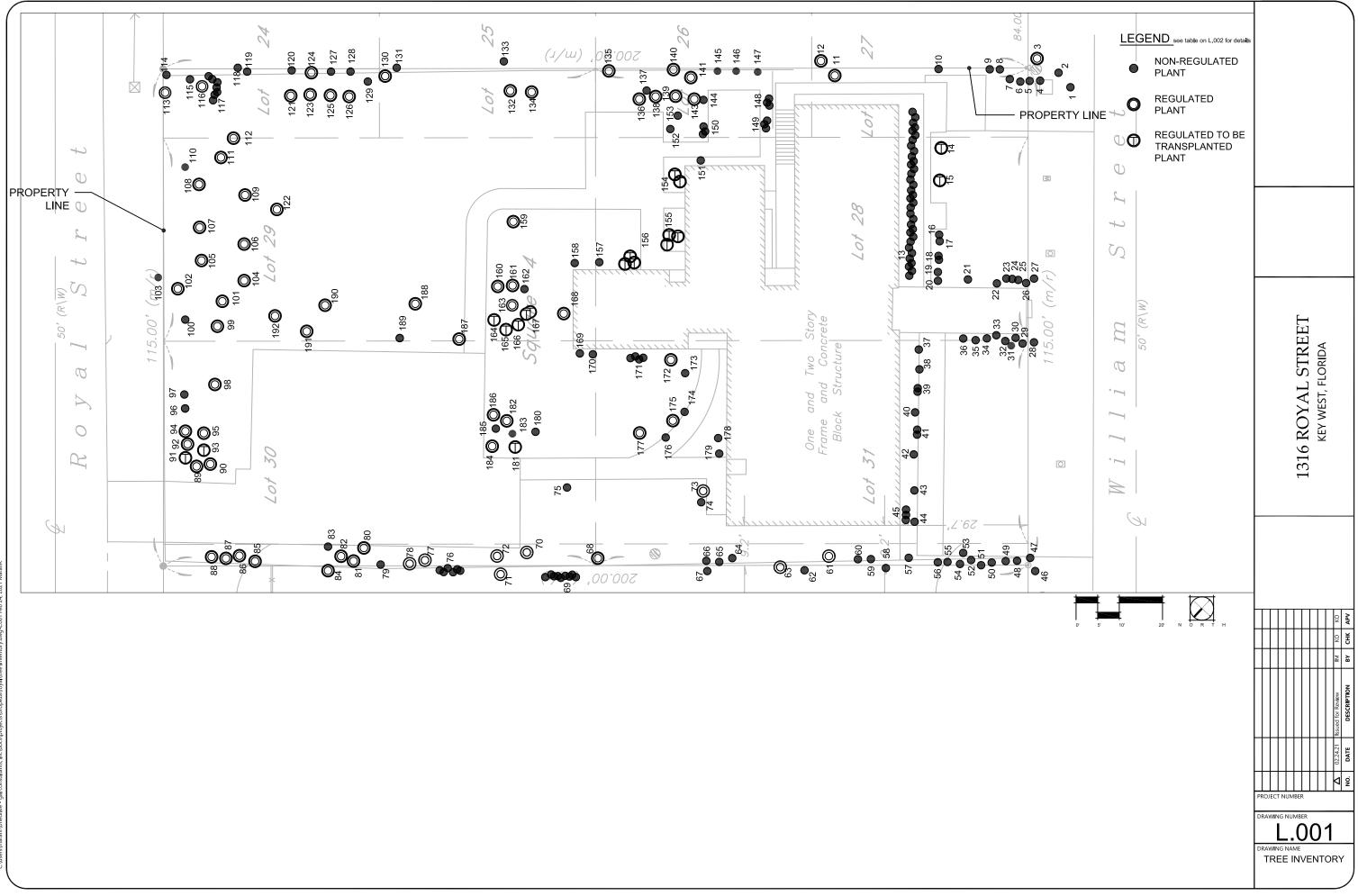
FROM: Karen DeMaria, City of Key West Urban Forestry Manager

An application was received for Final Landscape Plan Approval with Tree Removal. The Tree Commission gave Conceptual Approval for the landscape plan and the tree removal on January 11, 2021. The Planning Board approved the project with landscape waivers on April 22, 2021 and the project was approved by HARC on May 25, 2021.

The Planning Board approved landscape waivers that allow for a reduced buffer width for the required street landscaping along Royal and William Streets and a waiver for the perimeter parking area screening.

The Final Landscape Plan submitted does incorporate all the required tree removal replacements and is over 70% native vegetation. The Tree Commission did request with the Conceptual Landscape plan approval more diversity of plant species in the final plan and wanted trees in the parking islands along William Street. The final landscape plan submitted includes trees in the parking islands and added Paradise trees, Spanish stopper trees, and golden creeper groundcover to the plant list.

Recommendation: Recommend approval of the Final Landscape Plan With Tree Removal at 1319 William and 1316 Royal Streets to include the removal of 8-Small Leaf Clusia (#104, #105, #106, #107, #109, #136, #138, and #143), 3-Red Coco Plum (#122, #187, and #191), 1-Fiddle Wood (#168), 1-Frangipani (#78), 5-Gumbo Limbo (#81, #112, #161, #175, and #177), 14-Jamaican Caper (#90, #92, #94, #95, #98, #99, #121, #123, #125, #126, #132, #134, #160, and #186), 1-Mahogany (#172), 1-Raintree (#163), 2-Satin Leaf (#82 and #88), 2-Silver Buttonwood (#188 and #192), 1-Sweet Acacia (#68), 1-White Stopper (#184), 3-Christmas Palms (#70, #72, and #77), 1-Fiji Fan Palm (#111), 1-Royal Palm (#190), and 2-Washingtonia Palms (#73 and #159) to be replaced with 248.3 caliper inches of approved dicot trees, FL#1 from the approved list and 7 approved palms, minimum 4 ft tall each palm, to be planted onsite and the transplantation on site of 2-Christmas Palms (#14 and #15), 7-Thatch Palms, Florida (#91, #93, #164, #165, #166, #167, and #181), and 3-Thatch Palms, Keys (#154, #155, and #156).



Common Name/Botanical Name	Size	Status		Remove/Transplant		101 Gumbo Limbo/Bursea simaruba	8.5" dsh 25'hx8'w	regulated good	Remain	remain, work with city arborist
xora/Ixora coccinea	Shrub 6-8' oa	npr	good	Remain	photo 2	102 Royal Poinciana/Delonix regia	21" dsh 18'hx20'w	regulated fair	Remain	remain Photo 11
xora/lxora coccinea	Shrub 6-8' oa	npr	good	Remain		103 Jamaican Caper/Capparis cynophallophora	.5" dsh	npr poor	Remove	seedling, through fence, remove,
umbo Limbo/Bursea simaruba	16.7" dsh 18'hx15'w	regulated	fair	Remain	neighbors property, codominant @2', leaning south	104 Small Leaf Clusia/Clusia guttifera	14" dsh 20'hx8'w	regulated poor	Remove	partially uprooted, remove
ora/Ixora coccinea	Shrub	npr	good	Remain		105 Small Leaf Clusia/Clusia guttifera	14.3" dsh 20'hx20'w	regulated poor	Remove	remove, poor condition
kora/lxora coccinea	Shrub	npr	good	Remain		106 Small Leaf Clusia/Clusia guttifera	16" dsh 20'hx15'w	regulated poor	Remove	partially uprooted, remove, poor
kora/lxora coccinea	Shrub	npr	good	Remain		107 Small Leaf Clusia/Clusia guttifera	12.7" dsh 18'hx20'w	regulated poor	Remove	remove
ora/Ixora coccinea ink Tabebuia/Tabebuia heterophylla	Shrub 17.5" dsh 25'hx15'w	npr	good poor	Remain Remain	shared tree, codominant branches with included bark, leaning south, in utility lines, topped, growing under concrete pad	108 Royal Poinciana/Delonix regia 109 Small Leaf Clusia/Clusia guttifera	25" dsh 25'hx25'w 18" dsh 20'hx20w	regulated fair	Remain Remove	retain and protect
nk Tabebuia/Tabebuia heterophylla	13.25" dsh 20'hx10'w		poor	Remain	shared tree, uprooted, leaning north and west, in utility lines, topped, growing under concrete pad Photo 3	109 Small Leaf Clusia/Clusia guttifera 110 Jamaican Caper/Capparis cynophallophora	.5" dsh 7'hx3'w	regulated poor npr fair	Remove	uprooted, remove, poor condition
nk Tabebula/Tabebula heterophylla	20" dsh 40'hx20'w	npr	poor	Remain	shared tree, opported, realing not if and west, in utility lines, topped, growing under concrete pad Photo S shared tree, codominant branches with included bark, in utility lines, topped, growing under concrete pad	111 Fiji Fan Palm/Pritchardia pacifica	25'h	regulated fair	Remove	remove, no regulated, close prox remove, affected by proposed d
imaican Caper/Capparis cynophallophora	3.3" dsh 10-12'hx8'w	regulated		Remain	retain and protect Photo 4	112 Gumbo Limbo/Bursea simaruba	4.7" dsh 14'hx6'w	regulated poor	Remove	topped, restricted growth due to
trangler Fg/Ficus aurea	6.33" dsh B 40'hx30'w	regulated		Remain	large, shared on property line, growing over fence approximately 75% in neighbors property, retain protect Photo 5	113 Sabal Palm/Sabal palmetto	16' oa	regulated poor	Remain	may require trimming to not conf
ireen Island Ficus/Ficus microcarpa	Shrub 3' oa		fair	Remain	in planter, 42'x4'	114 Pink Tabebuia/Tabebuia heterophylla	10" dsh 20'hx10'w	npr poor	Remove	remove, conflict with utilities, cit
Christmas Palm/Adonidia merrillii	Double 13' oa	regulated		Transplant	transplant, see L3.00	115 Jamaican Caper/Capparis cynophallophora	.5"	npr poor	Remove	seedling, remove, poor condition
Christmas Palm/Adonicia merrillii	Double 13' oa	regulated		Transplant	transplant, see L3.00	116 Coconut Palm/cocos nucifera	40'	regulated fair	Remain	retain and protect
Plumbago/Ceratostigma plumbaginoides	Shrub	npr	good	Remain		117 Coconut Palm/cocos nucifera	Seedlings (5) 2'-4' oa	npr good	Remove	remove, affected by proposed de
Arboricola/shefflera arboricola	Shrub	npr	good	Remain		118 Brazilian Pepper/Schinus terebinthifolius	4"dsh	npr poor	Remove	over fence, remove invasive
Christmas Palm/Adonidia merrillii	Triple 8' oa	npr	good	Remain	remain	119 Pink Tabebuia/Tabebuia heterophylla	12" dsh 16'hx8'w	npr poor	Remove	uprooted, remove
Arboricola/shefflera arboricola	Shrub	npr	good	Remain		120 Aralia/Polyscias	Shrub 3" dsh 12't 4'w	npr poor	Remove	uprooted, broken, remove
Plumbago/plumbago ariculata	Shrub	npr	good	Remain		121 Jamaican Caper/Capparis cynophallophora	18" dsh 18'hx10'w	regulated poor	Remove	partially uprooted, remove
Arboricola/shefflera arboricola	Shrub	npr	good	Remove	affected by propposed plans	122 Red Coco Plum/Chrysobalanus icaco v. red tip	7" dsh	regulated poor	Remove	partially uprooted, remove
Bougainvillea species	Trellised	npr	poor	Remove	affected by proposed plans, poor condition	123 Jamaican Caper/Capparis cynophallophora	6" dsh 18'hx10'w	regulated poor	Remove	uprooted, remove
Arboricola/shefflera arboricola	Shrub 3' oa	npr	good	Remove	affected by proposed plans	124 Gumbo Limbo/Bursea simaruba	1.3"dsh 8'-9'oa	regulated poor	Remain	seedling, remain, outside propert
Arboricola/shefflera arboricola	Shrub 3' oa	npr	good	Remove	affected by proposed plans	125 Jamaican Caper/Capparis cynophallophora	15" dsh 18'hx20'w	regulated poor	Remove	uprooted,, damaged, remove
Arboricola/shefflera arboricola	Shrub 3' oa	npr	good	Remove	affected by proposed plans	126 Jamaican Caper/Capparis cynophallophora	14.6" dsh	regulated poor	Remove	partially uprooted, remove
Bougainvillea species	Trellised	npr	poor	Remove	affected by proposed plans, poor condition	127 Pink Tabebuia/Tabebuia heterophylla	6" dsh 18'hx8'w	npr poor	Remain	through fence, remain, outside pr
Golden Dewdrop/Duranta erecta	Shrub 4'x3'	npr	fair	Remove	affected by proposed plans	128 Surinam Cherry/Eugenia uniflora	Shrub 1" dsh 4'-5'oa	npr poor	Remain	remain, outside property, invasiv
Golden Dewdrop/Duranta erecta	Shrub 4'x3'	npr	fair	Remove	affected by proposed plans	129 Veitchiaa/Veitchia spec.	<10 ft CT	npr good	Remove	remove, affected by proposed de
Bougainvillea species	Trellised	npr	poor	Remove	affected by proposed plans, poor condition	130 Pink Tabebuia/Tabebuia heterophylla	27" dsh 32'hx15'w	regulated poor	Remain	retain and protect
Arboricola/shefflera arboricola	Shrub 3'x3'	npr	fair	Remove	affected by proposed plans	131 Bamboo Palm/Chamaedorea seifrizii	2 canes 12' oa	npr poor	Remove	remove, poor condition
Arboricola/shefflera arboricola	Shrub 3'x3'	npr	fair	Remove	affected by proposed plans	132 Jamaican Caper/Capparis cynophallophora	multi 10" dsh 18'hx6'w	regulated poor	Remove	partically uprooted, remove
Arboricola/shefflera arboricola	Shrub 3'x3'	npr	fair	Remove	affected by proposed plans	133 Pink Tabebuia/Tabebuia heterophylla	16.5" dsh	npr poor	Remain	neighbor property south side of fe
Bougainvillea species	Trellised	npr	poor	Remove	affected by proposed plans, poor condition	134 Jamaican Caper/Capparis cynophallophora	12" dsh 12'hx10'w	regulated poor	Remove	uprooted, remove
Arboricola/shefflera arboricola	Shrub 3'x3'	npr	fair	Remove	affected by proposed plans	135 Jamaican Caper/Capparis cynophallophora	3" dsh 15'hx5'w	regulated poor	Remain	through fence, remain
Arboricola/shefflera arboricola	Shrub 3'x3'	npr	fair	Remove	affected by proposed plans	136 Small Leaf Clusia/Clusia guttifera	6.7" dsh 10'hx10'w	regulated poor	Remove	partially uprooted, topped, remov
Arboricola/shefflera arboricola	Shrub 3'x3'	npr	fair	Remove	affected by proposed plans	137 Pink Tabebuia/Tabebuia heterophylla	3.4" dsh 16'hx6'w 7.5" dsh 15'hx20'w	npr poor	Remove Remove	remove, invasive exotic
Draceana species/	Shrub	npr	fair	Remain		138 Small Leaf Clusia/Clusia guttifera		regulated poor		uprooted, through fence, remove
Yucca/	Shrub 8' h	npr	fair	Remain		139 Royal Poinciana/Delonix regia	7.1" dsh 30'hx15'w	regulated fair	Remain	retain and protect
Fishtail Paln/caryota mitis	18' h	npr	poor	Remove	remove, poor condition	140 Christmas Palm/Adonidia merrillii	18' oa	regulated good	Remain	Remain , outside property
White Bird of Paradise/Strelitzia nicolai	4'x2' 2' h	npr	good	Remain		141 Gumbo Limbo/Bursea simaruba 142 NOT USED	18.1" dsh 30'hx20'w	regulated fair	Remain	on fence, leaning south at utility p
Ponytail Palm/Beaucarnea recurvata	5'x10'	npr	fair	Remain		142 NOT USED 143 Small Leaf Clusia/Clusia guttifera	6.2" dsh 10'hx8'w	regulated poor	Remove	partically upropted remove
Fishtail Palm/caryota mitis	6'-7' h	npr	poor	Remove	remove, poor condition	145 Small Lear Clusia/Clusia guttiera 144 Draceana species	Shrub 7'hx5'w	regulated poor npr poor	Remove	partically uprooted, remove
Fishtail Palm/caryota mitis	18' h	npr	poor	Remove	remove, poor condition		<1" dsh Shrub 6'-10' h		Remain	remove, not regulated, affected b
Draceana species	Shrub 4' h	npr	fair	Remain		145 Myrsine/Rapanea punctata 146 Myrsine/Rapanea punctata	<1" dsh Shrub 6'-10' h	npr poor npr poor	Remain	Remain , outside property Remain , outside property
Green Island Ficus/Ficus microcarpa	Shrub 3.5'x1'	npr	fair	Remain		147 Myrsine/Rapanea punctata	<1" dsh Shrub 6'-10' h	npr poor	Remain	Remain , outside property
Pink Tabebuia/Tabebuia heterophylla	5.2" dsh 12'hx5'w 15" dsh 25'hx15'w	npr	poor	Remain Remain	leaning west, iemain, outside property	148 Areca Palm/Dypsis lutescens	3 canes 7'-8'	npr fair	Remove	remove, not regulated, affected b
Pink Tabebuia/Tabebuia heterophylla Pink Tabebuia/Tabebuia heterophylla	6" dsh	npr	poor	Remain	leaning into parking area, remain, outside property	149 Areca Palm/Dypsis lutescens	4 canes 8'-10'	npr fair	Remove	remove, not regulated, affected b
	6.7" dsh	npr	poor	Remain	north side of fance, topped, remain, outside property	150 Areca Palm/Dypsis lutescens	10-14'oa 10 canes	npr fair	Remove	remove, not regulated, affected b
Pink Tabebuia/Tabebuia heterophylla Pink Tabebuia/Tabebuia heterophylla	5" dsh	npr	poor poor	Remain	north side of fence, topped, remain, outside property north side of fence, topped, remain, outside property Photo 6	151 Pink Tabebuia/Tabebuia heterophylla	5" dsh 18'hx4'w	npr poor	Remove	on roof, roots under structure, rer
Pink Tabebula/Tabebula heterophylla	2" dsh	npr	Second Second	Remain	seedling, north side of fence, through fence, remain, outside property	152 Bamboo Palm/Chamaedorea seifrizii	5 canes 4' h	npr poor	Remove	remove, poor condition
Pink Tabebua/Tabebua heterophylia Pink Tabebua/Tabebua heterophylia	3" dsh	npr	poor	Remain		153 Christmas Palm/Adonidia merrillii	6' oa	npr good	Remove	remove, not regulated, affected b
Pink Tabebuia/Tabebuia heterophylla	8.5" dsh	npr	poor poor	Remain	seedling, north side of fence, through fence, remain, outside property north side of fence, remain, outside property	154 Keys Thatch Palm/Leucothrinax morrisii	double 8',3' h	regulated good	Transplant	transplant, see L3.00
Pink Tabebula/Tabebula heterophylla	5.5" dsh 25'hx10'w	npr	poor	Remain	north side of fance, through fence, remain, outside property	155 Keys Thatch Palm/Leucothrinax morrisii	triple, 6'-11' h	regulated good	Transplant	transplant, see L3.00
Pink Tabebula/Tabebula heterophylla	14.75" dsh 35'hx15'w	npr	poor	Remain	north side of fance, growing into fance and fance post, utility trimmed, remain, outside property	156 Keys Thatch Palm/Leucothrinax morrisii	triple 5'-6' h	regulated good	Transplant	transplant, see L3.00
Pink Tabebuia/Tabebuia heterophylla	1.75" dsh	npr	poor	Remain	seedling, north side of fence, partially dead, uprooted, remain, outside property	157 Pink Tabebuia/Tabebuia heterophylla	13.6"@base 30'hx10'w	npr poor	Remove	remove, invasive exotic
Neem/Azadirachta indica	2.5" dsh 12'hx4'w	npr	poor	Remain	securing, north side of rente, partially dead, dprobled, remain, outside property	158 Pink Tabebuia/Tabebuia heterophylla	11.3" dsh 30'hx20'w	npr poor	Remove	remove, invasive exotic
Pink Tabebuia/Tabebuia heterophylla	10.5" dsh 23'hx12'w	npr	poor	Remain	north side of fence	159 Washingtonia Palm/Washingtonia robusta	40' oa	regulated poor	Remove	remove, poor condition
Pink Tabebuia/Tabebuia heterophylla	3" dsh 20'hx4'w	npr	poor	Remain	seedling, growing through fence, remain, outside property	160 Jamaican Caper/Capparis cynophallophora	2" dsh 5.5'hx5'w	regulated poor	Remove	hedged, remove
Pink Tabebuia/Tabebuia heterophylla	4.2" dsh 22'hx8w'	npr	poor	Remove	remove, poor condition	161 Gumbo Limbo/Bursea simaruba	6.5" dsh 15'hx12'w	regulated poor	Remove	leaning south, under canopy, rem
Christmas Palm/Adonicia merrillii	Triple 10'-16' oa	regulated		Remain		162 Washingtonia Palm/Washingtonia robusta	4'oa	npr poor	Remove	remove, invasive exotic
Pink Tabebuia/Tabebuia heterophylla	14" dsh 30'hx20'w	npr	poor	Remain	north side of fence, codominant branch over fence, remain, outside property	163 Raintree Tree/Samanea samen	25"@3'h	regulated poor	Remove	tree in decline, sunscald, fungus,
Christmas Palm/Adonicia merrillii	20' h	regulated		Remain	north side of fance, growing through fence, remain, outside property	164 Green Thatch Palm/Thrinax radiata	5'oa	regulated good	Transplant	transplant, see L3.00 Photo 19
Bamboo Palm/Chamaedorea seifrizii	Cluster 7 canes	npr	poor	Remove	remove, poor condition	165 Green Thatch Palm/Thrinax radiata	6' oa	regulated good	Transplant	transplant, see L3.00
Bamboo Palm/Chamaedorea seifrizii	Cluster 4 canes	npr	poor	Remove	remove, poor condition	166 Green Thatch Palm/Thrinax radiata	6' oa	regulated good	Transplant	transplant, see L3.00
Bamboo Palm/Chamaedorea seifrizii	Cluster 8 canes	npr	poor	Remove	remove, poor condition	167 Green Thatch Palm/Thrinax radiata	6' oa	regulated good	Transplant	clump, transplant, see L3.00
Pink Tabebuia/Tabebuia heterophylla	14" dsh 37'hx15'w	npr	fair	Remain	north side of fance, s-shaped dog leg back into this property, outside property	168 Fiddle Wood/Citharexylum spinosum	7.3" dsh 13'hx10'w	regulated poor	Remove	remove, poor condition
Sweet Acacia/Acacia farnesiana	14.6" dsh 12'hx15'w	regulated	poor	Remove	remove, poor condition	169 Pink Tabebuia/Tabebuia heterophylla	5.8" dsh 20'hx8'w	npr poor	Remove	remove, invasive exotic
Areca Palm/Dypsis lutescens	Grouping 10'-12' oa	npr	fair	Remain	north side of fence, outside property	170 Pink Tabebuia/Tabebuia heterophylla	2.7"dsh 13'hx6'w	npr poor	Remove	remove, invasive exotic
Christmas Palm/Adonidia merrillii	Cluster 11 6-18' oa	regulated	fair	Remove	remove, affected by proposed design	171 Pygmy Date Palm/Phoenix roebellenii	Triple 6'-12' oa	npr poor	Remove	remove, poor condition
Christmas Palm/Adonicia merrillii	Cluster of 8 20'-22' oa	regulated	fair	Remain	north side of fence, outside property	172 Mahogany/Swietenia mahogoni	9.7" dsh 20'hx12'w	regulated poor	Remove	remove, poor condition
Christmas Palm/Adonidia merrillii	Cluster of 5 8'-18' oa	regulated	fair	Remove	remove, affected by proposed design	173 Pink Tabebuia/Tabebuia heterophylla	9" dsh 20'hx8'w	nrp poor	Remove	remove, invasive exotic
Washingtoria Palm/Washingtonia robusta	40' oa	regulated	poor	Remove	remove, invasive exotic	174 Pink Tabebuia/Tabebuia heterophylla	4.7" dsh 25'hx6'w	npr poor	Remove	remove, invasive exotic
Pink Tabebuia/Tabebuia heterophylla	8" dsh 25'x10'w	npr	poor	Remove	leaning east, remove, poor condition Photo 7	175 Gumbo Limbo/Bursea simaruba	6.4"dsh 18'hx10'w	regulated poor	Remove	codominant brarches, remove Ph
Pink Tabebuia/Tabebuia heterophylla	12" dsh 30'hx20'w	npr	poor	Remove	remove, poor condition	176 Pink Tabebuia/Tabebuia heterophylla	8.4" dsh 25'hx12'w	npr poor	Remove	remove, invasive exotic
Areca Palm/Dypsis lutescens	Cluster 10'hx6'w	npr	fair	Remain	north of fence outside property	177 Gumbo Limbo/Bursea simaruba	8.5" dsh 8'hx20'w	regulated poor	Remove	remove, poor condition
Christmas Palm/Adonidia merrillii	18'-20' oa	regulated	good	Remove	through fence, remove, affected by proposed design	178 Pink Tabebuia/Tabebuia heterophylla	5.2" dsh 18'hx6'w	npr poor	Remove	leaning south, remove
Frangipani/Plumeria	10.5" dsh 20'hx18'w	regulated	fair	Remove	leaning south, through fence, remove or protect in place Photo 8	179 Pink Tabebuia/Tabebuia heterophylla	8.9" dsh 23'hx12'w	npr poor	Remove	under concrete walkway, remove
Draceana species	Shrub 10'hx5'w	npr	poor	Remain	north side of fence, through fence, outside property	180 Crinum Lilly/Crinum spp.	2 plants 3' oa	npr fair	Remove	remove
Gumbo Limbo/Bursea simaruba	10.6" dsh 20'hx20'w	regulated	fair	Remain	4 codominant branches, remain, to be trimmed 4' CT	181 Green Thatch Palm/Thrinax radiata	6' oa	regulated good	Transplant	transplant, see L3.00
Gumbo Limbo/Bursea simaruba	3.3" dsh 18'hx4'w	regulated	poor	Remove	seedling, leaning northwest, remove, poor condition	182 Lignum Vitae/Guaiacum sanctum	7.5" dsh 8'hx12'w	regulated fair	Remain	Retain and protect, root prune 1
Satin Leaf/Chrysophyllum olidiforme	6" dsh 20'hx8'w	regulated	poor	Remove	Insects, crack in trunk at base, leaning north, remove, poor condition	183 Satin Leaf/Chrysophyllum olidiforme	.5" dsh seedling	npr fair	Remove	remove
Pink Tabebuia/Tabebuia heterophylla	20.2" dsh 22'hx15'w	npr	poor	Remove	3 codominant branches from 1' above grade, limbs ripped away in rear, remove, poor condition	184 White Stopper/Eugenia axillarius	Multi 4"	regulated poor	Remove	remove, partically hedged, confli
Coconut Palm/cocos nucifera	35'-40' oa	regulated	fair	Remain	north side of fence, leans over property, on fence, outside property	185 White Stopper/Eugenia axillarius	6" dsh8' oa	npr poor	Remove	seedling in conflict with Lignum v
Satin Leaf/Chrysophyllum olidiforme	5" dsh 10'hx14'w	regulated	fair	Remain	leaning west	186 Jamaican Caper/Capparis cynophallophora	3" @ base	regulated poor	Remove	hedged, in conflict with Lignum v
Gumbo Limbo/Bursea simaruba	9.5" dsh 20'hx10'w	regulated	fair	Remain	leaning north over fence to neighbor, insect problems, remain	187 Red Tip Coco Plum/Chrysobalanus icaco	Multi hedge 8'hx8'w	regulated poor	Remove	hedged, uprooted, remove
Jamaican Caper/Capparis cynophallophora	Multi 12" dsh 15'hx10'w	regulated	fair	Remain	retain and protect Photo 9	188 Silver Buttonwood/Conocarpus erectus var sericeus	Hedge 12'hx10'w	regulated poor	Remove	hedged, remove, poor condition
Satin Leaf/Chrysophyllum olidiforme	4.4" dsh 13'h	regulated	poor	Remove	leaning east, remove, poor condition	189 Red Tip Coco Plum/Chrysobalanus icaco	Multi 5" dsh	npr poor	Remove	hedged, uprooted, remove
Royal Poinciana/Delonix regia	16.4" dsh 18'h 25'w	regulated	fair	Remain	cavity below codominant branch union on east side of tree, remain Photo 10	190 Royal Palm/Roystonea regia	12' oa	regulated poor	Remove	remove Photo 22
Jamaican Caper/Capparis cynophallophora	Multi 7.5"dsh 18'hx8'w	regulated	fair	Remove	remove, affected by proposed design	191 Red Tip Coco Plum/Chrysobalanus icaco	Multi 7" dsh 12'hx8'	regulated poor	Remove	hedged, remove
Florida Thatch Palm/Thrinax radiata	8' oa	regulated		Transplant	transplant, see L3.00	192 Silver Buttonwood/Conocarpus erectus var sericeus	Multi 8" dsh 12'hx5'w	regulated poor	Remove	hedged, uprooted, remove
Jamaican Caper/Capparis cynophallophora	Multi 2" dsh 10' ca	regulated		Remove	through fence, remove, poor condition					
Florida Thatch Palm/Thrinax radiata	10' h	regulated		Transplant	transplant, see L3.00	* Items listed in RED a	are regulated	d trees NO)T in noor	condition
Jamaican Caper/Capparis cynophallophora	2" dsh	regulated		Remove	seedling, remcve, poor condition					Seriardon
Jamaican Caper/Capparis cynophallophora	Multi 10" dsh 16'hx8'w	regulated		Remove	remove, affected by proposed design					
Jamaican Caper/Capparis cynophallophora	Multi 1" dsh	npr	poor	Remove	through fence, remove, poor condition					
Jamaican Caper/Capparis cynophallophora	.75" dsh 5' oa	npr	fair	Remove	seedling, through fence, remove, affected by proposed design					
Jamaican Caper/Capparis cynophallophora	Multi 14" dsh 18'hx15'w			Remove	remove, affected by proposed design					
	Multi 12" dsh 14'0h	regulated		Remove	uprooted, remove, poor condition					
Jamaican Caper/Capparis cynophallophora										

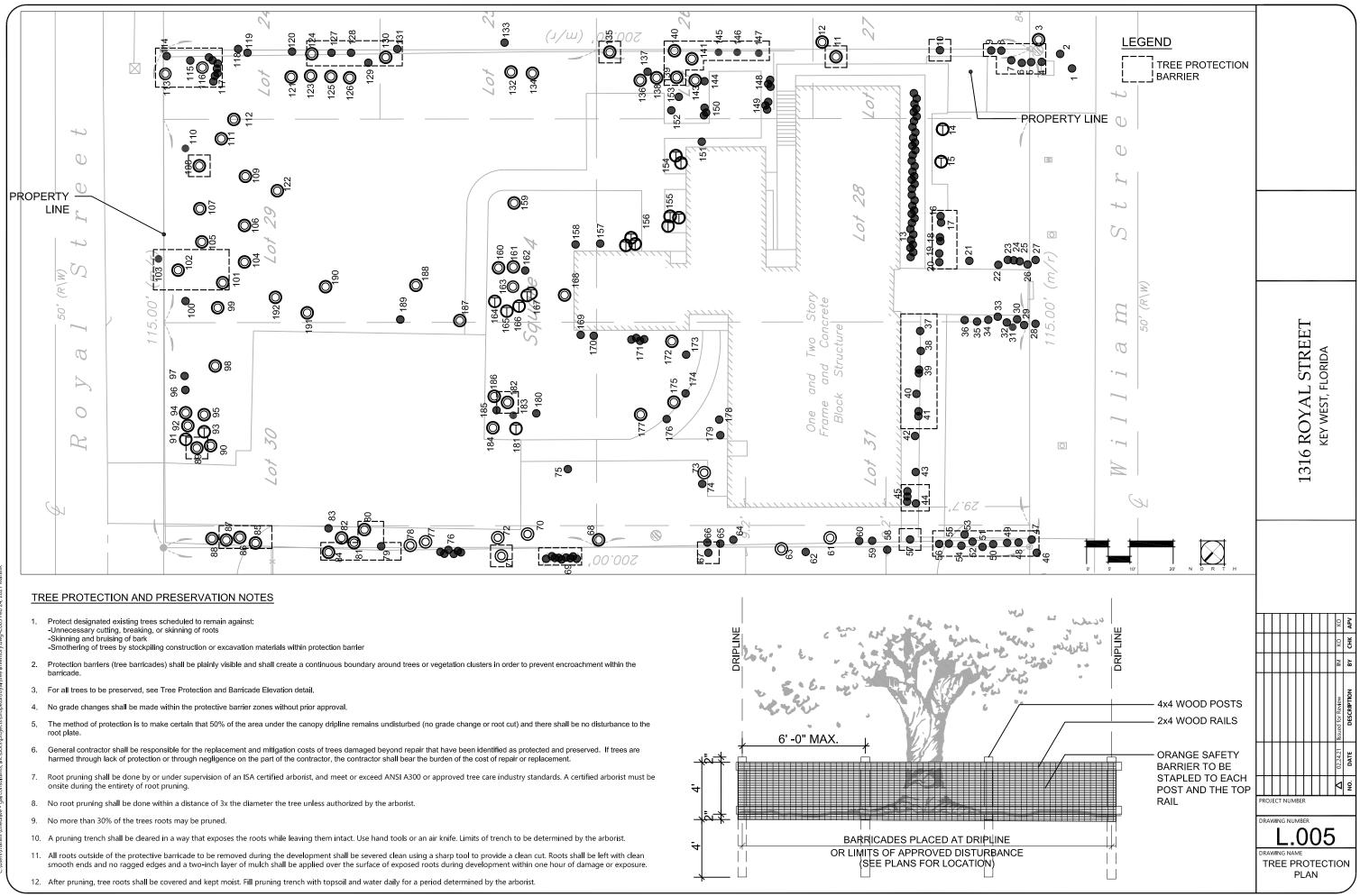
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remain, work with city arborist remain Photo 11										1
seedling, through fence, remove, poor condition partially uprooted, remove										
remove, poor condition										
partially uprooted, remove, poor condition remove										
retain and protect										
uprooted, remove, poor condition remove, no regulated, close proximity to 108										
remove, affected by proposed design										
topped, restricted growth due to overhead canopy, may require trimming to not conflict with utilities, o										
remove, conflict with utilities, city property	ny property									
seedling, remove, poor condition retain and protect										
remove, affected by proposed design										
over fence, remove invasive uprooted, remove										
uprooted, broken, remove										
partially uprooted, remove partially uprooted, remove										
uprooted, remove										
seedling, remain, outside property										
uprooted,, damaged, remove partially uprooted, remove										
through fence, remain, outside property remain, outside property, invasive exotic										
remove, affected by proposed design										
retain and protect										
remove, poor condition partically uprooted, remove										
neighbor property south side of fence, on fence, 16.	5" dia. branch growing north into property 12', remove limb Photo 13	1								
uprooted, remove through fence, remain										
partially uprooted, topped, remove		Т								
remove, invasive exotic uprooted, through fence, remove										
retain and protect		L								
Remain , outside property on fence, leaning south at utility pole, remain, heav	y maintenance trim Photo 14				F	-				
					į	6 KUYAL SIKEE				
partically uprooted, remove remove, not regulated, affected by proposed design		L			İ	ΤÌ	_	7		
Remain , outside property		L			ſ	Y	Č	ב		
Remain , outside property Remain , outside property					- 6	-	Ģ	Y		
remove, not regulated, affected by proposed design					C	ົ	9	2		
remove, not regulated, affected by proposed design remove, not regulated, affected by proposed design					F		Ľ	Ē		
on roof, roots under structure, remove						<.	ŀ	2		
remove, poor condition remove, not regulated, affected by proposed design						\mathbf{r}	Ļ	ΞÚ		
transplant, see L3.00					6	5	-	5		
transplant, see L3.00 transplant, see L3.00					Ì	$\stackrel{\scriptstyle\smile}{\scriptstyle\sim}$	2	Ц		
remove, invasive exotic					•	-	2	∠		
remove, invasive exotic remove, poor condition					```	<u>0</u>				
hedged, remove					ò	$\dot{\mathbf{n}}$				
leaning south, under canopy, remove remove, invasive exotic					7	-				
tree in decline, sunscald, fungus, dead limbs, remov	e Photo 15, 16, 17, 18									
transplant, see L3.00 Photo 19 transplant, see L3.00										
transplant, see L3.00										
clump, transplant, see L3.00 remove, poor condition										٦
remove, invasive exotic										
remove, invasive exotic remove, poor condition										
remove, poor condition										
remove, invasive exotic remove, invasive exotic		1								
codominant branches, remove Photo 20										
remove, invasive exotic remove, poor condition		1								
leaning south, remove		1								
under concrete walkway, remove remove		Н	Т	П	Т	П	Т			H
transplant, see L3.00									S VA	:
Retain and protect, root prune 1 year in advance if t remove	rransplanting Photo 21	Ц		П	╈	Π		\uparrow	S ¥	1
remove, partically hedged, conflict with Lignum vita		Ц		\square	\bot	\square			¥ 5	;
seedling in conflict with Lignum vitae root system, r hedged, in conflict with Lignum vitae root system, ro									≥≿	;
hedged, uprooted, remove		Н	+	Η	+	Η	+	+	H^{-}	+
hedged, remove, poor condition Photo 22 hedged, uprooted, remove										
remove Photo 22									NO NO	
hedged, remove hedged, uprooted, remove									for Review	١
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	Arborist Remarks on May 2020 by:	PR	OJEC	TN	JMBI	R				1
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	Cynthia Domenech-Coogle	DF	AW	NG I	JUM	~	~	~		
	Cynthia's Blue Palms				_()(2		
	W1006 16th Terrace			-	_	<u> </u>	<u> </u>	_		4
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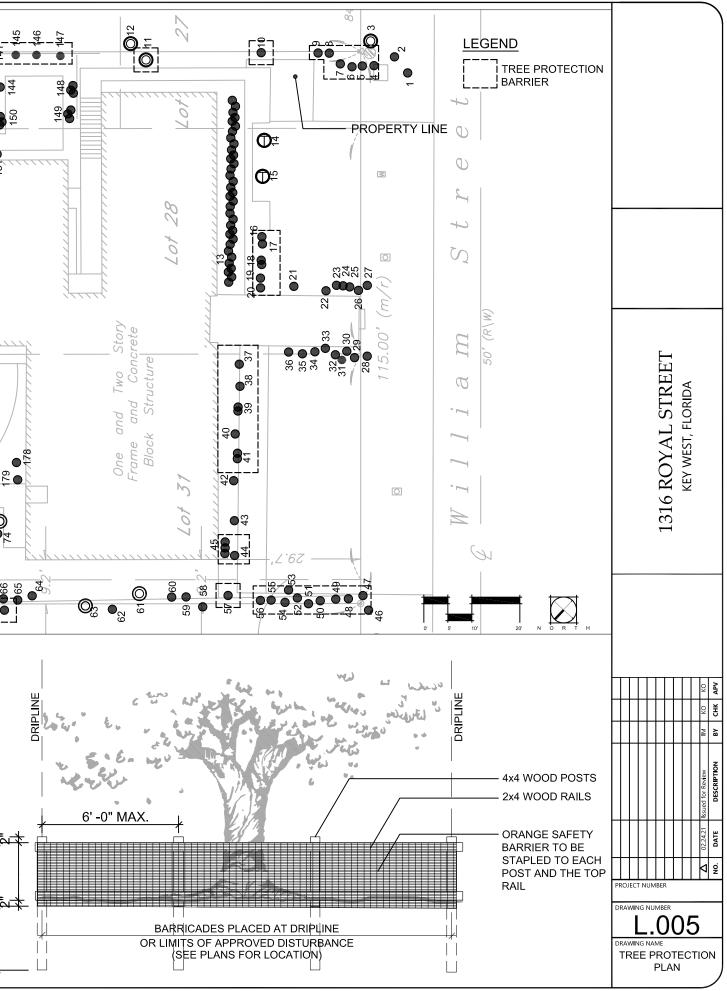


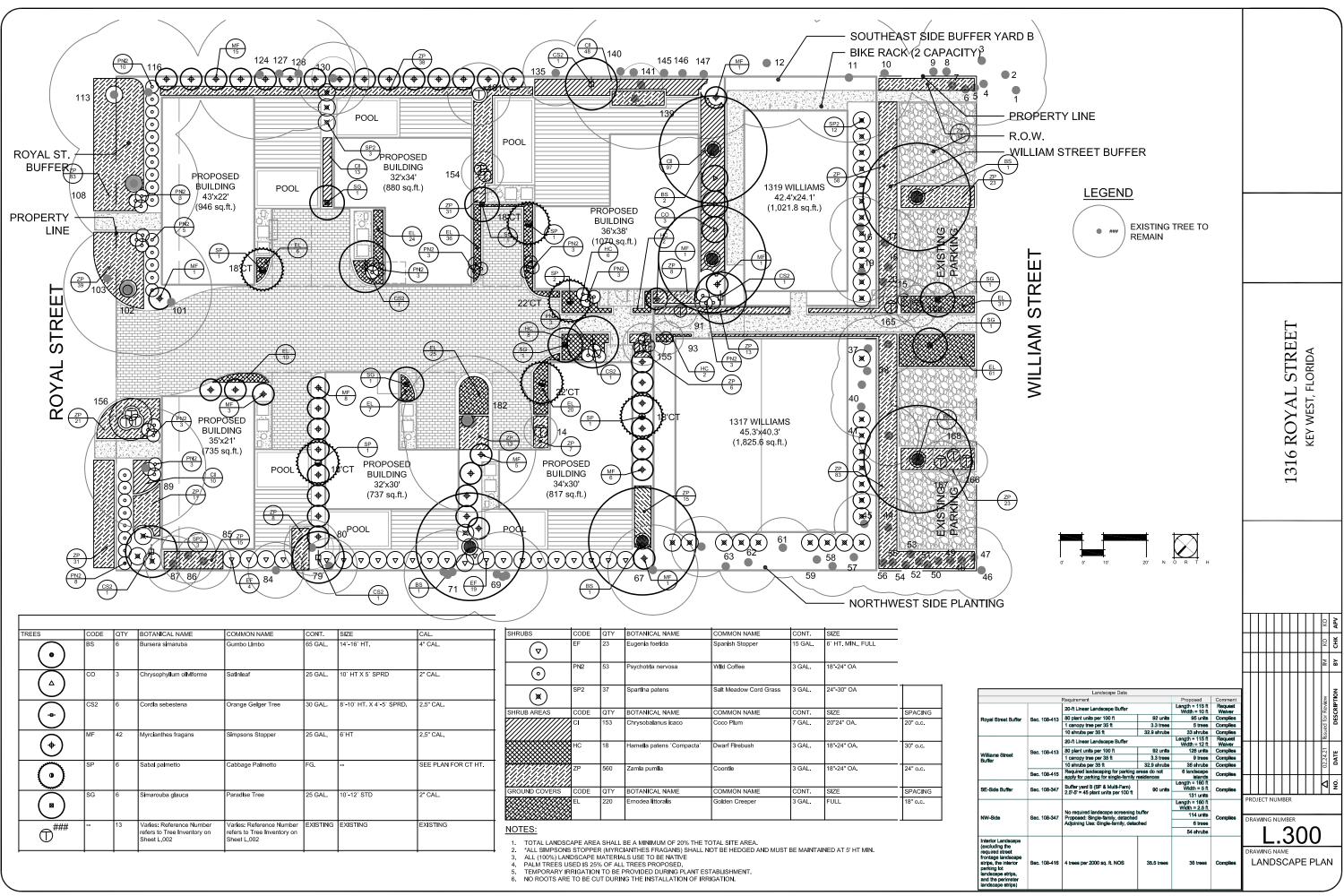
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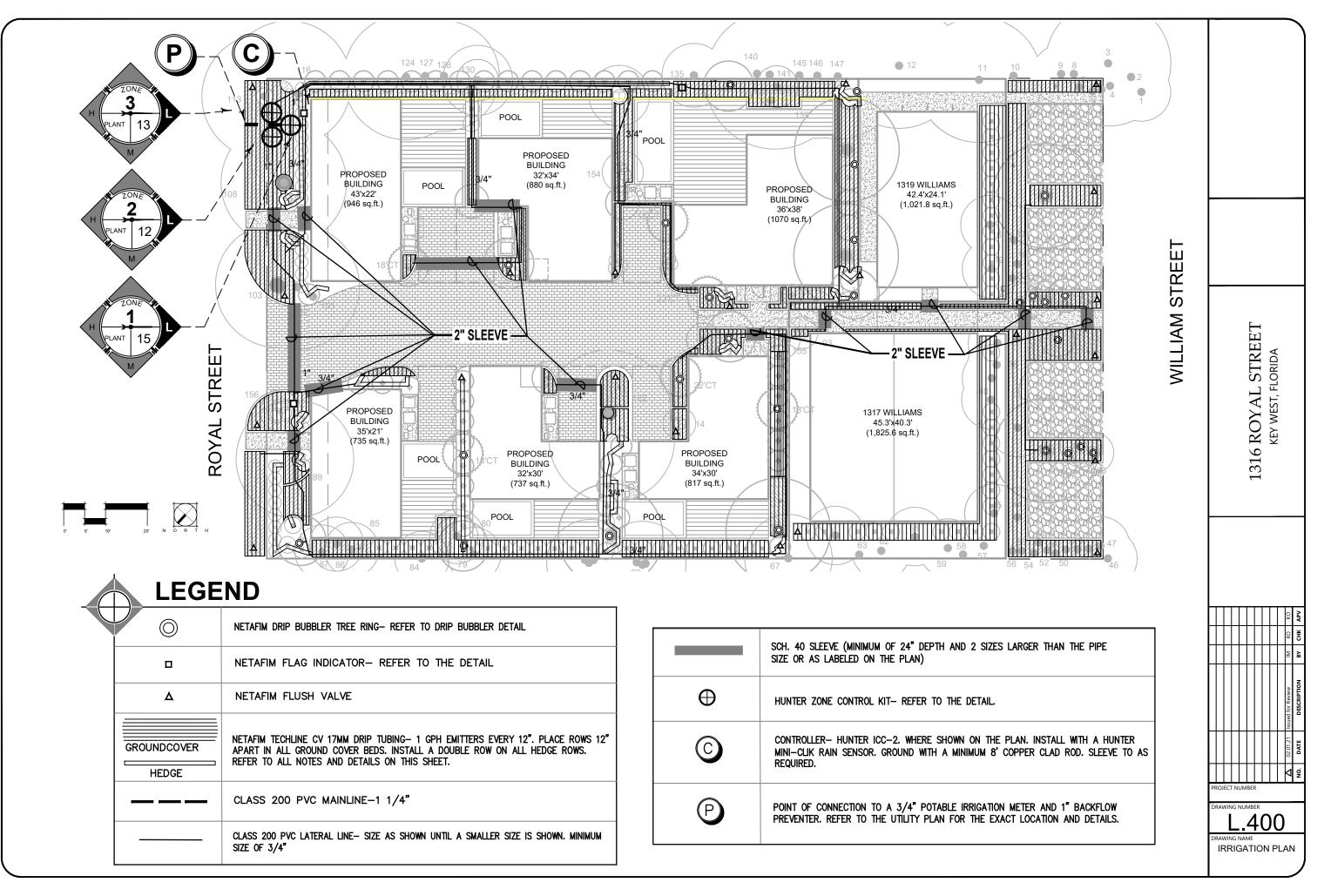






EES	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT.	SIZE	CAL.
•	BS	6	Bursera simaruba	Gumbo Limbo	65 GAL.	14`-16` HT.	4" CAL.
	со	3	Chrysophyllum ollvlforme	Satinleaf	25 GAL.	10' HT X 5' SPRD	2" CAL.
-	CS2	6	Cordla sebestena	Orange Gelger Tree	30 GAL.	8`-10` HT. X 4`-5` SPRD.	2.5" CAL.
•	MF	42	Myrcianthes fragans	Simpsons Stopper	25 GAL.	6`HT	2.5" CAL.
\odot	SP	6	Sabal palmetto	Cabbage Palmetto	FG.		SEE PLAN FOR CT HT.
	SG	6	Simarouba glauca	Paradise Tree	25 GAL.	10'-12' STD	2" CAL.
$\text{T}^{\#\#\#}$		13	Varies: Reference Number refers to Tree Inventory on Sheet L.002	Varies: Reference Number refers to Tree Inventory on Sheet L.002	EXISTING	EXISTING	EXISTING

SHRUBS	CODE	Ιστγ	BOTANICAL NAME	COMMON NAME	CONT.	SIZE	_
	EF	23	Eugenia foetida	Spanish Stopper	15 GAL.	6` HT. MIN., FULL	_
\odot	PN2	53	Psychotrla nervosa	Wlld Coffee	3 GAL.	18"-24" OA	
×	SP2	37	SpartIna patens	Salt Meadow Cord Grass	3 GAL.	24"-30" OA	
SHRUB AREAS	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT.	SIZE	SPACING
	CI	153	Chrysobalanus icaco	Coco Plum	7 GAL.	20"24" OA.	20" o.c.
	нс	18	Hamella patens `Compacta`	Dwarf Flrebush	3 GAL.	18"-24" OA.	30" o.c.
	ZP	560	Zamla pumlla	Coontle	3 GAL.	18"-24" OA.	24" o.c.
GROUND COVERS	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT.	SIZE	SPACING
	EL	220	Ernodea littoralis	Golden Creeper	3 GAL.	FULL	18" o.c.



ZONE CHART

ZONE	PLANT (TYPE)		(DEMAND)	PRECIP. (RATE) (I	APPLIC.	GPM (GPM)	MINUTES (PER CYCLE)	TOTAL (GALLONS)
1 2 3	PLANT PLANT PLANT	DRIP DRIP DRIP	LOW LOW LOW	1.5 1.5 1.5	0.5 0.5 0.5	15 12 13	10 10 10	150 120 130
						40	30	400
								800

TOTAL GPM PER RUN CYCLE TOTAL GPM PER WEEK (PEAK WEEKLY DEMAND)

THE RUN TIMES SHOWN FOR THE ZONE IS FOR ONE RUN CYCLE AND WILL PROVIDE HALF THE REQUIRED AMOUNT OF WATER NEEDED PER WEEK. TWO RUN CYCLES PER WEEK ARE REQUIRED TO PROVIDE THE TOTAL WEEKLY REQUIREMENT. ALL RUN TIMES SHALL BE SET TO FOLLOW THE CURRENT WATER MANAGEMENT DISTRICT REGULATIONS AND REDUCED TO ONLY ONE RUN TIME PER WEEK WHEN RESTRICTED BY DAYLIGHT SAVINGS TIME OR WATER RESTRICTIONS. THE ZONE CHART IS PROVIDED AS A GENERAL OUTLINE ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE TO SET THE RUN TIMES BASED ON THE SPECIFIC SITE CONDITIONS AND PLANT REQUIREMENTS. THIS SHALL INCLUDE, BUT NOT LIMITED TO, SOIL TYPE, DRAINAGE, SLOPES, SUN EXPOSURE AND THE ESTABLISHMENT PERIOD. THE TOTAL GPM REQUIRED PER YEAR WILL BE LESS THAN THE PEAK DEMAND PER WEEK TIMES 52 WEEKS, BASED ON THE RUN TIMES BEING REDUCED BY SENSORS AND A REDUCED WATER DEMAND IN THE WINTER MONTHS.

GENERAL NOTES

1) INSTALL ALL DRIP TUBING AT GROUND LEVEL AFTER PLANT INSTALLATION. INSTALL NI STABILIZERS A MIN. OF 4' O.C. TO HOLD THE LINES IN PLACE.

2) KEEP ALL DRIP LINE CLEAN AT ALL TIMES BEFORE THE FINAL CONNECTION. ALL TUBE ALL OTHER DRIP TUBES. DO NOT DEAD END TUBING. SINGLE ROWS SHALL HAVE A END ${\rm C}_{\rm F}$

3) AVOID SHARP BENDS IN THE TUBING. DO NOT BEND THE TUBING WITH LESS THEN A $^\circ$ KINKS IN THE TUBING.

4) ALL DRIP TUBING SHALL HAVE UNIFORM SPACING AND BURIAL DEPTH. THE PLAN DOE SPACING OR LAYOUT OF THE TUBING. LAYOUT THE TUBING DOWN THE LONGEST WIDTH WH CURVED BEDS OR PLANTERS AS REQUIRED. ADJUST AND ADAPT THE TUBING FOR ALL TR DETAIL.

5) INSTALL DRIP TUBING TO ALL AREAS THAT SHALL RECEIVE PLANT MATERIAL. SEE THE LANDSCAPE PLAN FOR THE EXACT LOCATIONS. THERE SHALL BE A MINIMUM OF ROW OF PLANTS.

6) SPACE TUBING AS NOTED ON THE PLAN. DO NOT SNAKE TUBING BACK AND FORTH E ALWAYS INSTALL A HEADER PIPE UNLESS THE TOTAL GALLONAGE OF AN AREA IS 3 GPM

7) REFER TO THE MANUFACTURERS DRIP INSTALLATION MANUAL FOR INSTALLATION INSTRUCTIONS. ALL FITTINGS SHALL BE THE SAME TYPE AND MANUFACTURER AS THE D

8) ALWAYS FLUSH ALL LINES BEFORE FINAL CONNECTION.

9) INSTALL A A "SYSTEM ON" INDICATOR FLAG ON EVERY ZONE WHERE IT IS SEEN FRO

10) ALL MAINLINE PIPING SHALL BE BURIED TO A MINIMUM DEPTH OF 1 PIPING SHALL BE BURIED TO A MINIMUM DEPTH OF 12" OF COVER.

11) ALL CONTROL WIRES SPLICES SHALL BE MADE IN VALVE BOXES USING 3M DBR-Y CONSHALL BE 14 GAUGE, EXCEPT AS DETAILED FOR TWO-WIRE SYSTEMS.

12) ANY PIPING SHOWN OUTSIDE THE PROPERTY LINE OR RUNNING OUTSIDE A LANDSCAF SHOWN THERE FOR CLARITY ONLY. ALL LINES SHALL BE INSTALLED ON THE PROPERTY A INSIDE A SCH. 40 SLEEVE.

13) THE CONTRACTOR SHALL EXERCISE CARE SO AS NOT TO DAMAGE A CONTRACTOR SHALL BE RESPONSIBLE FOR THE IMMEDIATE REPAIRS AND CAUSED BY THEIR WORK.

14) INSTALL FLUSH VALVES WHERE SHOWN AT THE ENDS OF EACH RUN OF DRIP TUBING.

15) CLEARLY AND NEATLY MARK THE TOP OF EACH VALVE BOX WITH THE TYPE OF EQUI FLUSH VALVE, ETC.)

16) THE DRIP ZONE VALVE ASSEMBLY SHALL BE PLACED INSIDE AN ARMOR JUMBO VALVE AS PER THE DETAIL ON THE PLANS.

17) THE DRIP TUBING SHALL HAVE EMITTERS EVERY 12" AND SHALL BE SPACED 12" APA MINIMUM OF TWO RUNS FOR EACH ROW OF SHRUBS WHEN THE SHRUBS ARE SPACED FA

18) REFER TO THE ZONE CONTROL KIT DETAIL FOR FILTER SIZES.19) THE IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE THEIR WORK W

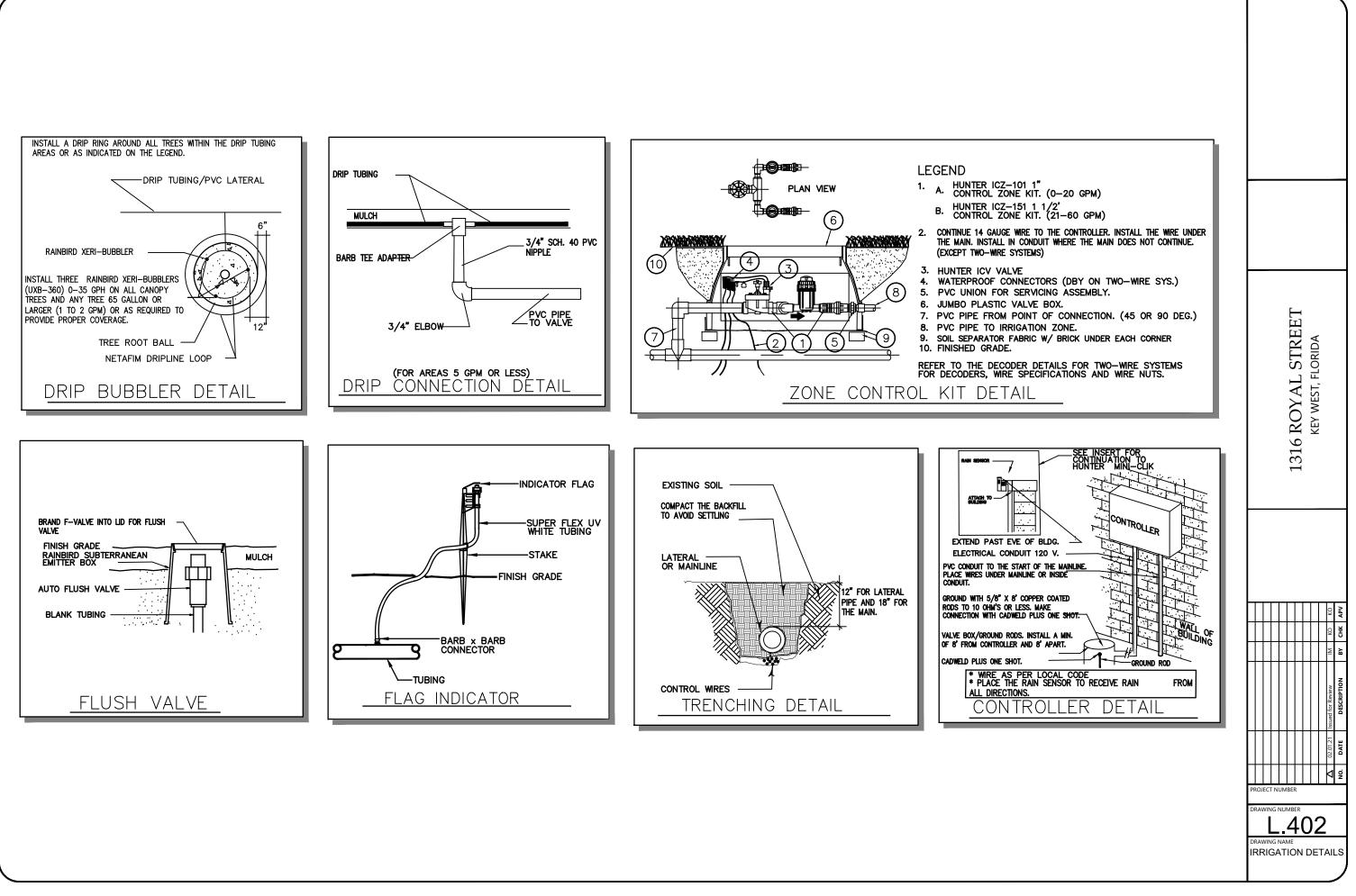
20) REFER TO THE LANDSCAPE PLANS WHEN TRENCHING TO AVOID TRE AROUND ANY EXISTING TREES. DO NOT CUT ANY ROOTS OVER 2" IN DI.

21) THE CONTRACTOR SHALL PREPARE AN AS-BUILT DRAWING SHOWING THE CONTRACTOR SHALL NEATLY MARK IN RED INK ON WHITE BOND PA DEVIATES FROM THE PLAN. THE AS-BUILT DRAWING SHALL ALSO LOCAT BY SHOWING EXACT MEASUREMENTS FROM HARD SURFACES. MEASUREM THE PLAN EVEN WHEN THE EQUIPMENT IS INSTALLED IN THE EXACT LOC

22) ALL WORK SHALL BE GUARANTEED FOR ONE YEAR FROM THE DATE OF FINAL ACCEP EQUIPMENT AND WORKMANSHIP. (OR AS OUTLINED IN THE WRITTEN SPECIFICATIONS)

24) 48 HOURS BEFORE DIGGING, CALL 1-800-432-4770 (SUNSHINE ST

			_
NETAFIM TLS6 U SHAPED WIRE			
JBE ENDS SHALL BE INTERCONNECTED TO CAP AND NOT BENT OVER OR TAPED.			
A 12" RADIUS. THERE SHALL NOT BE ANY			
DOES NOT ALWAYS REFLECT THE EXACT WHEN POSSIBLE. ADAPT THE TUBING TO TREES. REFER TO THE TREE DRIP RING			
OF TWO ROWS OF TUBING ON A SINGLE			
H EXCEPT WHERE SHOWN ON THE PLAN. PM OR LESS.		r	
DRIP TUBING.		REET	
FROM THE CONTROL VALVE.		STJ -ORIE	
18" OF COVER. ALL LATERAL		AL ST, FI	
CONNECTORS AND SEALANT AND ALL WIRE		ROYAL STRI key west, florida	
CAPE AREA IS Y AND INSIDE THE LANDSCAPE AREAS OR		1316 ROYAL STREET key west, florida	
E ANY EXISTING UTILITIES. THE AND COST OF ANY DAMAGE		1	
ING AND ONE FOR EVERY 15 GPM OF			
QUIPMENT THAT IT CONTAINS. (I.E. VALVE,			
ALVE BOX. THE VALVE SHALL BE INSTALLED			
APART IN GROUND COVER BEDS AND A FARTHER THAN 2' ON CENTER.			
K WITH THE LANDSCAPE CONTRACTOR.		<u>к</u>	_
REES AND SHRUBS. HAND DIG		<u>₩</u>	-
DIAMETER. ING ALL IRRIGATION INSTALLATION. PAPER ANY INSTALLATION THAT CATE ALL MAINLINE AND VALVES REMENTS SHALL BE MARKED ON LOCATION AS THE PLAN.		Issued for Review	DESCRIPTION
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