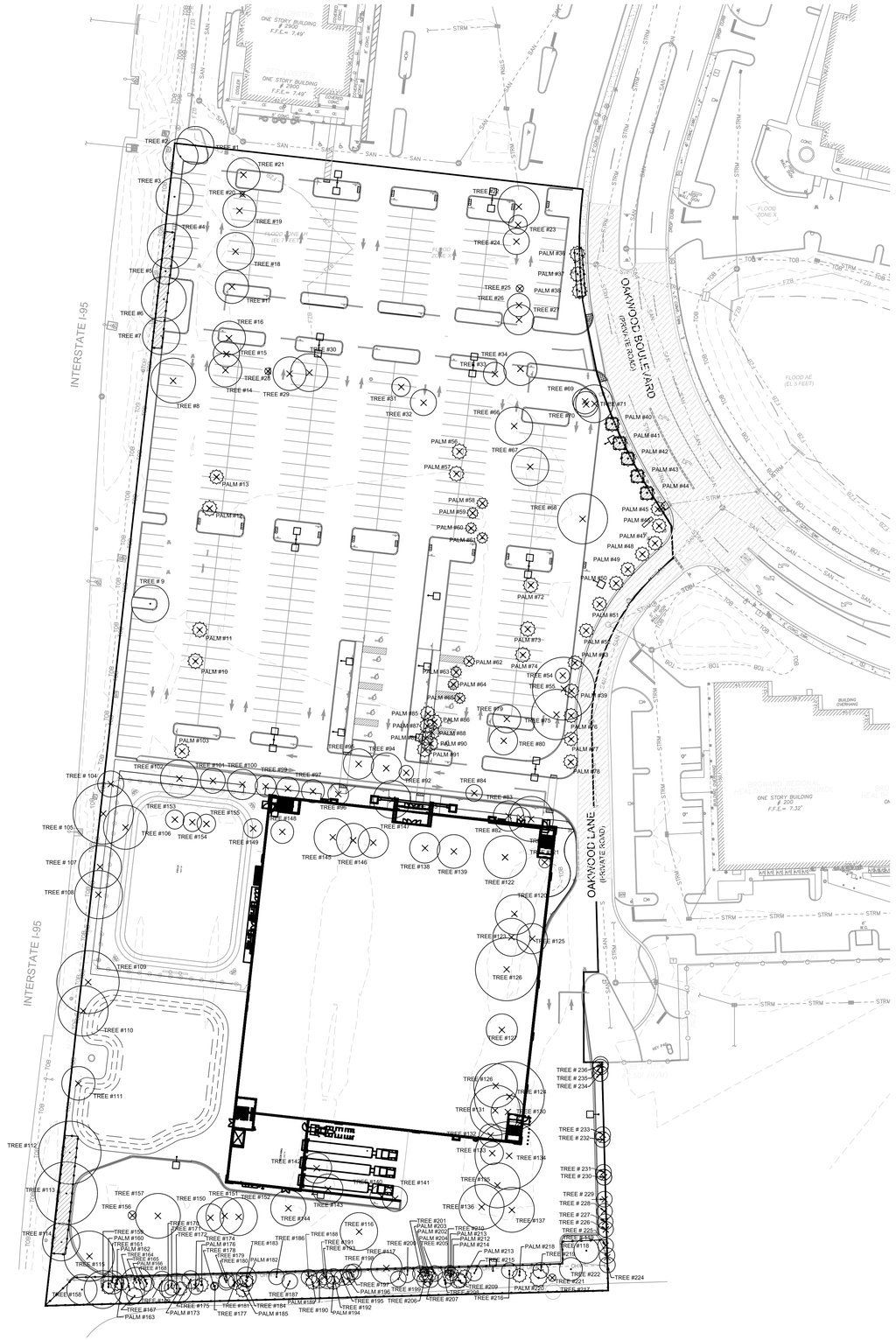

TREE DISPOSITION GRAPHIC LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
TREE #	TREE TO BE REMOVED	PALM #	PALM TO BE REMOVED
TREE #	EXISTING TREE NOT IN SCOPE		TREE PROTECTION FENCE
TREE #	TREE TO REMAIN	PALM #	PALM TO REMAIN

*PLEASE REFER TO SHEET L-101 FOR TREE DISPOSITION LIST AND MITIGATION CALCULATIONS.

NORTH

GRAPHIC SCALE IN FEET
0 25 50 100

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Benjamin V. Johnson

BENJAMIN VAN JOHNSON ★ LICENSE NO. LA6667524 ★ STATE OF FLORIDA LANDSCAPE ARCHITECT

No.	REVISIONS	DATE	BY

Kimley»Horn
445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
PHONE: 772-794-4100
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

KHA PROJECT 043326005
DATE 9/3/2024
SCALE AS SHOWN
DESIGNED BY NR
DRAWN BY NR
CHECKED BY KD

TREE DISPOSITION PLAN

OAKWOOD SOUTH RETAIL SHOPPING CENTER

CITY OF HOLLYWOOD FL

SHEET NUMBER
L-100

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

TREE DISPOSITION and MITIGATION LIST

KHA TREE NO.	SCIENTIFIC NAME	COMMON NAME	DBH (In.)	SPREAD(ft)	Height (Ft)	Condition	DISPOSITION	MITIGATION
1	*Conocarpus erectus*	Green Buttonwood	28	30	45	Fair	Remain	
2	*Quercus virginiana*	Live Oak	17	28	60	Good	Remain	
3	*Quercus virginiana*	Live Oak	20	30	50	Good	Remain	
4	*Quercus virginiana*	Live Oak	18	36	50	Good	Remain	
5	*Quercus virginiana*	Live Oak	18	21	50	Fair	Remain	
6	*Quercus virginiana*	Live Oak	26	36	55	Good	Remain	
7	*Quercus virginiana*	Live Oak	21	30	45	Good	Remain	
8	*Conocarpus erectus*	Green Buttonwood	23	36	40	Good	Remove	
9	*Conocarpus erectus*	Green Buttonwood	30	30	30	Fair	Remove	
10	*Washingtonia Palm*	Mexican Fan Palm	12	24	30	Good	Remove	
11	*Washingtonia Palm*	Mexican Fan Palm	13	24	24	Good	Remove	
12	*Washingtonia Palm*	Mexican Fan Palm	12	24	40	Good	Remove	
13	*Washingtonia Palm*	Mexican Fan Palm	12	24	24	Good	Remove	
14	*Conocarpus erectus*	Green Buttonwood	38	27	30	Fair	Remove	
15	*Conocarpus erectus*	Green Buttonwood	24	21	30	Fair	Remove	
16	*Conocarpus erectus*	Green Buttonwood	22	27	30	Fair	Remove	
17	*Conocarpus erectus*	Green Buttonwood	24	27	34	Poor	Remove	
18	*Conocarpus erectus*	Green Buttonwood	29	30	34	Fair	Remove	
19	*Conocarpus erectus*	Green Buttonwood	22	27	45	Poor	Remove	
20	*Ilex cassine*	Holly	!	3	10	Poor	Remove	
21	*Conocarpus erectus*	Green Buttonwood	18	27	35	Poor	Remove	
22	*Conocarpus erectus*	Green Buttonwood	33	33	50	Fair	Remove	
23	*Tabebuia heterophylla*	Pink Trumpet Tree	7	15	16	Fair	Remove	
24	*Tabebuia heterophylla*	Pink Trumpet Tree	7	21	18	Good	Remove	
25	*Ilex cassine*	Holly	3	3	6	Good	Remove	
26	*Conocarpus erectus*	Green Buttonwood	31	18	31	Fair	Remove	
27	*Conocarpus erectus*	Green Buttonwood	35	24	50	Fair	Remove	
28	*Ilex cassine*	Holly	2	5	15	Poor	Remove	
29	*Conocarpus erectus*	Green Buttonwood	22	27	34	Fair	Remove	
30	*Conocarpus erectus*	Green Buttonwood	23	30	36	Fair	Remove	
31	*Conocarpus erectus*	Green Buttonwood	12	15	28	Fair	Remove	
32	*Conocarpus erectus*	Green Buttonwood	14	21	40	Good	Remove	
33	*Conocarpus erectus*	Green Buttonwood	6	18	20	Good	Remove	
34	*Conocarpus erectus*	Green Buttonwood	43	27	45	Good	Remove	
36	*Washingtonia palm*	Mexican Fan Palm	9	12	60	Fair	Remain	
37	*Washingtonia palm*	Mexican Fan Palm	9	12	60	Fair	Remain	
38	*Washingtonia palm*	Mexican Fan Palm	15	12	60	Good	Remain	
39	*Washingtonia palm*	Mexican Fan Palm	12	12	60	Good	Remove	
40	*Washingtonia palm*	Mexican Fan Palm	12	12	35	Good	Remain	
41	*Washingtonia palm*	Mexican Fan Palm	12	12	55	Good	Remain	
42	*Washingtonia palm*	Mexican Fan Palm	12'	12	55	Good	Remain	
43	*Washingtonia palm*	Mexican Fan Palm	12"	12	55	Good	Remain	
44	*Washingtonia palm*	Mexican Fan Palm	12"	12	55	Good	Remain	
45	*Washingtonia palm*	Mexican Fan Palm	12"	12	55	Good	Remove	
46	*Washingtonia palm*	Mexican Fan Palm	12"	12	55	Good	Remove	
47	*Washingtonia palm*	Mexican Fan Palm	26	12	55	Good	Remove	
48	*Washingtonia palm*	Mexican Fan Palm	12	12	55	Good	Remove	
49	*Washingtonia palm*	Mexican Fan Palm	12	12	55	Good	Remove	
50	*Washingtonia palm*	Mexican Fan Palm	12	12	55	Good	Remove	
51	*Washingtonia palm*	Mexican Fan Palm	10	12	55	Good	Remove	
52	*Washingtonia palm*	Mexican Fan Palm	12	12	55	Good	Remove	
53	*Washingtonia palm*	Mexican Fan Palm	14	12	55	Good	Remove	
54	*Quercus virginiana*	Live Oak	11	12	50	Poor	Remove	
55	*Quercus virginiana*	Live Oak	20	50	45	Good	Remove	
56	*Washingtonia palm*	Mexican Fan Palm	12	12	50	Fair	Remove	
57	*Washingtonia palm*	Mexican Fan Palm	12	12	50	Fair	Remove	
58	*Phoenix robelenii*	Pygmy Date Palm	4	9	12	Good	Remove	
59	*Phoenix robelenii*	Pygmy Date Palm (dbl)	4	16	12	Good	Remove	
60	*Phoenix robelenii*	Pygmy Date Palm (dbl)	4	16	12	Good	Remove	
61	*Phoenix robelenii*	Pygmy Date Palm (dbl)	4	16	12	Good	Remove	
62	*Phoenix robelenii*	Pygmy Date Palm (dbl)	4	16	12	Good	Remove	
63	*Phoenix robelenii*	Pygmy Date Palm (dbl)	4	16	12	Good	Remove	
64	*Phoenix robelenii*	Pygmy Date Palm (dbl)	4	16	12	Good	Remove	
65	*Phoenix robelenii*	Pygmy Date Palm (dbl)	4	16	12	Good	Remove	
66	*Tabebuia heterophylla*	Pink Trumpet Tree	9	30	24	Good	Remove	
67	*Tabebuia heterophylla*	Pink Trumpet Tree	22	30	30	Good	Remove	
68	*Conocarpus erectus*	Green Buttonwood	34	40	40	Good	Remove	
69	*Quercus virginiana*	Live Oak	20	20	30	Poor	Remove	
70	*Quercus virginiana*	Live Oak	17	20	40	Fair	Remove	
71	*Quercus virginiana*	Live Oak	17	30	35	Fair	Remove	
72	*Washingtonia palm*	Mexican Fan Palm	12	12	60	Good	Remove	
73	*Washingtonia palm*	Mexican Fan Palm	12	12	60	Good	Remove	
74	*Washingtonia palm*	Mexican Fan Palm	12	12	60	Good	Remove	
75	*Quercus virginiana*	Live Oak	19	40	50	Good	Remove	
76	*Washingtonia palm*	Mexican Fan Palm	12	12	45	Fair	Remove	
77	*Washingtonia palm*	Mexican Fan Palm	12	12	45	Fair	Remove	
78	*Washingtonia palm*	Mexican Fan Palm	12	12	45	Fair	Remove	
79	*Tabebuia heterophylla*	Pink Trumpet Tree	12	22	25	Fair	Remove	
80	*Tabebuia heterophylla*	Pink Trumpet Tree	10	22	25	Fair	Remove	
81	*Conocarpus erectus*	Green Buttonwood	20	24	50	Fair	Remove	
82	*Conocarpus erectus*	Green Buttonwood	18	16	50	Fair	Remove	
83	*Conocarpus erectus*	Green Buttonwood	40	36	50	Fair	Remove	
84	*Conocarpus erectus*	Green Buttonwood	6	13	15	Fair	Remove	
85	*Washingtonia palm*	Mexican Fan Palm	12	12	45	Fair	Remove	
86	*Washingtonia palm*	Mexican Fan Palm	12	12	45	Fair	Remove	
87	*Washingtonia palm*	Mexican Fan Palm	12	12	45	Fair	Remove	
88	*Washingtonia palm*	Mexican Fan Palm	12	12	45	Fair	Remove	
89	*Washingtonia palm*	Mexican Fan Palm	12	12	45	Fair	Remove	
90	*Washingtonia palm*	Mexican Fan Palm	12	12	45	Fair	Remove	
91	*Washingtonia palm*	Mexican Fan Palm	12	12	45	Fair	Remove	
92	*Tabebuia heterophylla*	Pink Trumpet Tree	8	12	18	Fair	Remove	
93	*Conocarpus erectus*	Green Buttonwood	43	30	40	Fair	Remove	
94	*Tabebuia heterophylla*	Pink Trumpet Tree	10	24	38	Fair	Remove	
95	*Tabebuia heterophylla*	Pink Trumpet Tree	14	24	50	Poor	Remove	
96	*Conocarpus erectus*	Green Buttonwood	16	17	45	Poor	Remove	
97	*Conocarpus erectus*	Green Buttonwood	26	18	45	Fair	Remove	
98	*Conocarpus erectus*	Green Buttonwood	21	18	40	Fair	Remove	
99	*Conocarpus erectus*	Green Buttonwood	31	17	40	Fair	Remove	
100	*Conocarpus erectus*	Green Buttonwood	21	24	40	Fair	Remove	
101	*Conocarpus erectus*	Green Buttonwood	32	20	40	Poor	Remove	
102	*Conocarpus erectus*	Green Buttonwood	25	25	40	Fair	Remove	
103	*Washingtonia palm*	Mexican Fan Palm	12	12	20	Good	Remove	
104	*Conocarpus erectus*	Green Buttonwood	30	21	55	Fair	Remove	
105	*Quercus virginiana*	Live Oak	25	48	55	Good	Remove	
106	*Conocarpus erectus*	Green Buttonwood	34	35	60	Fair	Remove	
107	*Conocarpus erectus*	Green Buttonwood	28	34	40	Good	Remove	
108	*Conocarpus erectus*	Green Buttonwood	30	38	45	Good	Remove	
109	*Quercus virginiana*	Live Oak	19	50	55	Good	Remove	
110	*Quercus virginiana*	Live Oak	28	40	40	Good	Remove	
111	*Quercus virginiana*	Live Oak	14	27	30	Good	Remove	
112	*Quercus virginiana*	Live Oak	26	50	50	Good	Remain	
113	*Quercus virginiana*	Live Oak	26	50	50	Good	Remain	
114	*Conocarpus erectus*	Green Buttonwood	24	30	240	Fair	Remain	
115	*Conocarpus erectus*	Green Buttonwood	30	40	35	Good	Remove	
116	*Bucida buceras*	Black Olive	16	18	35	Poor	Remove	
117	*Conocarpus erectus*	Green Buttonwood	10	25	30	Poor	Remain	
118	*Quercus virginiana*	Live Oak	14	20	25	Fair	Remain	
120	*Quercus virginiana*	Live Oak	21	32	45	Good	Remove	
121	*Conocarpus erectus*	Green Buttonwood	5	9	12	Poor	Remove	
122	*Conocarpus erectus*	Green Buttonwood	43	34	50	Good	Remove	
123	*Quercus virginiana*	Live Oak	20	30	45	Good	Remove	
124	*Quercus virginiana*	Live Oak	20	56	55	Good	Remove	
125	*Tabebuia heterophylla*	Pink Trumpet Tree	16	24	30	Good	Remove	
126	*Quercus virginiana*	Live Oak	16	50	50	Good	Remove	
127	*Tabebuia heterophylla*	Pink Trumpet Tree	13	25	30	Good	Remove	
128	*Quercus virginiana*	Live Oak	12	26	35	Good	Remove	
129	*Quercus virginiana*	Live Oak	14	16	30	Fair	Remove	
130	*Quercus virginiana*	Live Oak	9	27	30	Fair	Remove	
131	*Quercus virginiana*	Live Oak	16	40	36	Fair	Remove	
132	*Quercus virginiana*	Live Oak	11	18	30	Fair	Remove	
133	*Quercus virginiana*	Live Oak	14	18	30	Poor	Remove	
134	*Quercus virginiana*	Live Oak	30	54	50	Good	Remove	
135	*Quercus virginiana*	Live Oak	16	36	50	Good	Remove	
136	*Quercus virginiana*	Live Oak	32	30	45	Fair	Remove	
137	*Quercus virginiana*	Live Oak	18	36	55	Fair	Remove	
138	*Conocarpus erectus*	Green Buttonwood	30	24	45	Good	Remove	
139	*Conocarpus erectus*	Green Buttonwood	37	27	45	Good	Remove	
140	*Conocarpus erectus*	Green Buttonwood	8	18	20	Poor	Remove	
141	*Conocarpus erectus*	Green Buttonwood	11	20	25	Good	Remove	
142	*Conocarpus erectus*	Green Buttonwood	20	24	30	Good	Remove	
143	*Conocarpus erectus*	Green Buttonwood	9	24	30	Good	Remove	
144	*Conocarpus erectus*	Green Buttonwood	8	24	28	Fair	Remove	
145	*Conocarpus erectus*	Green Buttonwood	36	30	55	Fair	Remove	
146	*Conocarpus erectus*	Green Buttonwood	40	27	55	Fair	Remove	
147	*Conocarpus erectus*	Green Buttonwood	42	24	50	Poor	Remove	
148	*Conocarpus erectus*	Green Buttonwood	31	18	40	Poor	Remove	
149	*Conocarpus erectus*	Green Buttonwood	18	15	35	Poor	Remove	
150	*Conocarpus erectus*	Green Buttonwood	36	22	40	Poor	Remove	
151	*Conocarpus erectus*	Green Buttonwood	41	30	50	Poor	Remove	
152	*Conocarpus erectus*	Green Buttonwood	24	30	45	Poor	Remove	
153	*Conocarpus erectus*	Green Buttonwood	9	15	20	Fair	Remove	
154	*Conocarpus erectus*	Green Buttonwood	13	15	24	Fair	Remove	
155	*Conocarpus erectus*	Green Buttonwood	10	15	20	Fair	Remove	
156	*Ilex cassine*	Holly		7	12	Fair	Remove	
157	*Conocarpus erectus*	Green Buttonwood	46	36	60	Fair	Remove	
158	*Quercus virginiana*	Live Oak	12	24	30	Poor	Remain	
159	*Quercus virginiana*	Live Oak	15	30	35	Poor	Remain	
160	*Ptchosperma macarthurii*	MacArthur Palm	3	6	10	Fair	Remain	
161	*Ficus lyrata*	Fiddle Leaf Fig Tree	9	18	20	Poor	Remain	
162	*Ptchosperma macarthurii*	MacArthur Palm	4	5	8	Fair	Remain	
163	*Ptchosperma macarthurii*	MacArthur Palm	4	5	8	Fair	Remain	
164	*Quercus virginiana*	Live Oak	12	18	26	Poor	Remain	
165	*Conocarpus erectus serceus*	Silver Buttonwood	12	12	10	Poor	Remain	
166	*Ptchosperma macarthurii*	MacArthur Palm	4	5	8	Fair	Remain	
167	*Quercus virginiana*	Live Oak	5	15	25	Poor	Remain	
168	*Quercus virginiana*	Live Oak	6	12	18	Poor	Remain	
169	*Quercus virginiana*	Live Oak	8	16	20	Poor	Remain	
170	*Quercus virginiana*	Live Oak	8	14	20	Poor	Remain	
171	*Conocarpus erectus*	Green Buttonwood	10	12	18	Fair	Remain	
172	*Conocarpus erectus*	Green Buttonwood	10	16	20	Fair	Remain	
173	*Ptchosperma macarthurii*	MacArthur Palm	4	5	8	Poor	Remain	
174	*Schefflera*	Umbrella Tree	6	6	12	Poor	Remove	Invasive
175	*Conocarpus erectus*	Green Buttonwood	6	7	12	Fair	Remain	
176	*Ptchosperma macarthurii*	MacArthur Palm	2	4	8	Fair	Remain	
177	*Conocarpus erectus*	Green Buttonwood	6	7	12	Fair	Remain	
178	*Conocarpus erectus*	Green Buttonwood	6	7	12	Fair	Remain	
179	*Conocarpus erectus*	Green Buttonwood	6	7	12	Fair	Remain	
180	*Conocarpus erectus*	Green Buttonwood	6	7	12	Fair	Remain	
181	*Schefflera*	Umbrella Tree	8	6	12	Poor	Remove	Invasive
182	*Ptchosperma macarthurii*	MacArthur Palm	3	6	12	Fair	Remain	
183	*Quercus virginiana*	Live Oak	10	16	20	Poor	Remain	
184	*Schefflera*	Umbrella Tree	4	5	12	Poor	Remove	Invasive
185	*Sabal palmetto*	Sabal Palm	14	8	12	Fair	Remain	
186	*Quercus virginiana*	Live Oak	10	17	22	Fair	Remain	
187	*Conocarpus erectus*	Green Buttonwood	10	16	20	Fair	Remain	
188	*Schefflera*	Umbrella Tree	6	7	12	Fair	Remove	Invasive
189	*Sabal palmetto*	Sabal Palm	14	8	10	Fair	Remain	
190	*Schefflera*	Umbrella Tree	5	6	12	Fair	Remove	Invasive
191	*Schefflera*	Umbrella Tree	4	4	8	Fair	Remove	Invasive
192	*Conocarpus erectus*	Green Buttonwood	10	16	20	Fair	Remain	
193	*Schefflera*	Umbrella Tree	3	4	6	Fair	Remove	Invasive
194	*Ptchosperma macarthurii*	MacArthur Palm	3	4	5	Fair	Remain	
195	*Conocarpus erectus*	Green Buttonwood	6	10	16	Fair	Remain	
196	*Sabal palmetto*	Sabal Palm	14	8	10	Fair	Remain	
197	*Conocarpus erectus serceus*	Silver Buttonwood	4	5	10	Poor	Remain	
198	*Conocarpus erectus serceus*	Silver Buttonwood	4	5	10	Poor	Remain	
199	*Conocarpus erectus*	Green Buttonwood	5	6	15	Poor	Remain	
200	*Quercus virginiana*	Live Oak	8	12	15	Fair	Remain	
201	*Schefflera*	Umbrella Tree	4	5	12	Poor	Remove	Invasive
202	*Ptchosperma macarthurii*	MacArthur Palm	4	4	5	Fair	Remain	
203	*Ptchosperma macarthurii*	MacArthur Palm	3	3	4	Fair	Remain	
204	*Ptchosperma macarthurii*	MacArthur Palm	3	4	4	Fair	Remain	
205	*Quercus virginiana*	Live Oak	3	20	25	Fair	Remain	
206	*Conocarpus erectus*	Green Buttonwood	14	20	18	Poor	Remain	
207	*Conocarpus erectus*	Green Buttonwood	12	18	16	Poor	Remain	
208	*Conocarpus erectus*	Green Buttonwood	10	18	20	Poor	Remain	
209	*Conocarpus erectus*	Green Buttonwood	22	20	20	Poor	Remain	
210	*Schefflera*	Umbrella Tree	8	8	20	Fair	Remove	Invasive
211	*Schefflera*	Umbrella Tree	8	8	18	Fair	Remove	Invasive
212	*Ptchosperma macarthurii*	MacArthur Palm	5	6	9	Fair	Remain	
213	*Ptchosperma macarthurii*	MacArthur Palm	4	5	7	Fair	Remain	
214	*Ptchosperma macarthurii*	MacArthur Palm	5	4	7	Fair	Remain	
215	*Quercus virginiana*	Live Oak	18	36	35	Fair	Remain	
216	*Quercus virginiana*	Live Oak	16	24	30	Fair	Remain	
217	*Schefflera*	Umbrella Tree	6	8	30	Poor	Remain	N.I.S.
218	*Sabal palmetto*	Sabal Palm	14	9	12	Fair	Remain	
219	*Quercus virginiana*	Live Oak	12	15	25	Fair	Remain	
220	*Sabal palmetto*	Sabal Palm	24	15	16	Fair	Remain	
221	*Schefflera*	Umbrella Tree	6	8	10	Poor	Remove	Invasive
222	*Quercus virginiana*	Live Oak	16	18	20	Fair	Remain	
223	*Quercus virginiana*	Live Oak	10	18	25	Poor	Remain	
224	*Ficus benjamina*	Ficus Tree	1	2	2	Poor	Remove	Invasive
225	*Ficus benjamina*	Ficus Tree	1	3	3	Poor	Remove	Invasive
226	*Ficus benjamina*	Ficus Tree Cluster	3	4	3"	Poor	Remove	Invasive
227	*Ficus benjamina*	Ficus Tree Cluster	3	3	4	Poor	Remove	Invasive
228	*Ficus benjamina*	Ficus Tree	2	4	5"	Poor	Remove	Invasive
229	*Ficus benjamina*	Ficus Tree	1	3	3"	Poor	Remove	Invasive
230	*Ficus benjamina*	Ficus Tree	2	3	3	Poor	Remove	Invasive
231	*Ficus benjamina*	Ficus Tree	2	4	5	Poor	Remove	Invasive
232	*Ficus benjamina*	Ficus Tree	2	3	5	Poor	Remove	Invasive
233	*Schefflera*	Umbrella Tree	6	4	7"	Poor	Remove	Invasive
234	*Ficus benjamina*	Ficus Tree	1	3	3	Poor	Remove	Invasive
235	*Ficus benjamina*	Ficus Tree	1	2	3	Poor	Remove	Invasive
236	*Ficus benjamina*	Ficus Tree	2	3	6	Poor	Remove	Invasive
							TOTAL DBH REMOVED (IN.)	**2039**
							TOTAL PALMS REMOVED (EA.)	**38**

N.I.S. = Not in Scope

TREE MITIGATION CALCULATIONS

TOTAL MITIGATION REQUIRED (DBH IN INCHES)	2,039
TOTAL DBH PROVIDED (IN INCHES)	**247**
TOTAL PALMS REMOVED (EA.)	38
TOTAL PALMS PROVIDED (EA.)	**38**

TREE TRUST FUND CALCULATIONS

TOTAL MITIGATION REQUIRED (DBH IN INCHES)	2,039
TOTAL DBH PROVIDED	247
TOTAL DBH DELTA	1,792
TOTAL TREE REPLACEMENT TREE DEFICIT (12 FT HT. x 2" DBH):	**896**

TOTAL TREE TRUST FUND CONTRIBUTION (TREE DEFICIT x $350)	**$**	**313,600.00**

Replacement costs are required for removing trees required prior to building permit, these costs would be allowed to be used for public art, pedestrian walkway enhancements, building façade enhancements for the public, opens pace amenities or other similar items for this particular project

*PLEASE REFER TO SHEET L-100 FOR TREE DISPOSITION PLAN

CALL 48 HOURS BEFORE YOU DIG

IT'S THE LAW! DIAL 811

811 Know what's below. Call before you dig.

SUNSHINE STATE ONE CALL OF FLORIDA, INC.

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Benjamin V. Johnson

BENJAMIN VAN JOHNSON ★ LICENSE NO. LA6667524 ★ DATE: 9/3/2024 STATE OF FLORIDA PROFESSIONAL LANDSCAPE ARCHITECT

Kimley»Horn
445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
PHONE: 772-794-4100
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

No.	REVISIONS	DATE	BY

KHA PROJECT 043326005
DATE 9/3/2024
SCALE AS SHOWN
DESIGNED BY NR
DRAWN BY NR
CHECKED BY KD

TREE SCHEDULE AND MITIGATION

OAKWOOD SOUTH RETAIL SHOPPING CENTER

CITY OF HOLLYWOOD FL

SHEET NUMBER
L-101

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

TREE REMOVAL AND TREE TO REMAIN PRUNING SPECIFICATIONS

PART 1 - DEFINITIONS

A. Natural Resource - Existing trees or palms.
B. Critical Root Zone - The minimum volume of roots necessary to have for tree health and stability.
C. DBH - Diameter Breast High - Indicates the location on the trunk, approximately 4.5' above ground, to measure the diameter of a tree.
D. Preserved Trees - Trees that are to be saved/remain in place.
E. Owner's Representative - A representative, hired and paid for by the owner, that supervises the construction of the procedures shown on the tree disposition plans.
F. Tree Protection Zone (TPZ) - The area surrounding a tree defined by a specified distance, which excavation and other construction related activities should be avoided. The TPZ is variable depending on species, factors, age and health of the plant, soil conditions, and proposed construction.
G. Contractor's Certified Arborist - an independent ISA Certified Arborist, hired and paid for by the contractor, that supervises the construction of the procedures shown on the tree disposition plans.

PART 2 - TREE BARRIER

A. Tree Protector Barrier Material.
1. Six (6) foot tall wire mesh construction fence supported by eight (8) foot tall metal T-Bar Posts and Post Caps.
2. The tree protector barrier shall have a two (2) foot by two (2) foot "tree protection zone" sign affixed to the fence every twenty (20) feet placed in such a manner to be clearly visible to the construction workers. The sign must be made up of weather resistant material.
3. The eight (8) foot tall metal T-Bar Post and Post Cap shall be placed a maximum of six (6) foot intervals.

PART 3 - EXECUTION

A. If hazards are determined by qualified certified arborist in an individual tree then those hazards can be mitigated according to the specifications given by the Qualified Certified Arborist.
1. The tree disposition list. This item is to be coordinated by the Qualified Certified Arborist with the Owner's Representative.
2. All pruning shall be done in accordance with ANSI A300 (Part 1) Pruning and best management practices.
3. The Contractor's Certified Arborist shall be present during all pruning operations.

B. Root Pruning - Refer to Arborist Report
1. Trenching locations shall be approved in the field by the Owner's Representative and the Contractor's Certified Arborist.
2. All roots shall be cut by hand.
3. The trench shall be backfilled minus debris and large rocks, as directed by the Contractor's Certified Arborist.
4. Phased root pruning timeframes vary by species. Contractor's certified arborist shall direct pruning schedule.

C. Tree Protector Barrier
1. See detail in this sheet.
2. Tree Protector Barrier shall be placed by the Contractor around each tree to remain as directed by the Contractor's Certified Arborist.

D. Tree Removals
1. Contractor shall remove and discard all trees shown as "Remove" on the Tree Disposition Plan and the Tree Disposition List. Tree stump shall be ground below grade. Care shall be taken to not damage the existing trees marked to remain and their critical root zones shall not be compacted by equipment.
2. If Tree Protector Barrier is damaged, repair shall be performed immediately.
3. Contractor shall remove and haul away from the job site all wood generated from tree removals, including stumps, the same day the removal happens.
4. Burn pits are not allowed.

PART 4 - PENALTIES

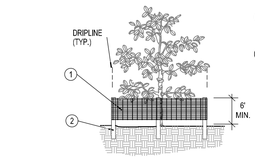
A. Repair of Damaged Trees To Remain
1. If any damage to trees to remain or other natural resources should occur by accident or negligence during the construction period, shall be immediately inspected by Qualified Certified Arborist who shall determine the prescription of care at the Contractor's expense.

PART 5 - TREE PROTECTION

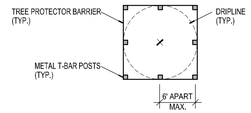
A. Contractor's Certified Arborist to determine the location of the Tree Protector Barrier around each tree to remain based on his/her analysis of each existing tree to remain that is adjacent to construction improvements such as utility installation, pavement addition and/or restoration, etc.
B. Contractor shall maintain and repair the Tree Protector Barrier during site construction operations.
C. Contractor's access to the fenced tree protection areas will be permitted only with approval of Owner's Representative and Contractor's Certified Arborist's written directive.
D. There shall no be change in grade within the critical root zone as per ANSI Standards.
E. Contractor shall clear by hand all vegetation to grade within the critical root zones of trees to remain.
F. Contractor shall not install conduit, sprinklers, or any utility line in any critical root zone areas without the approval of the Contractor's Certified Arborist and Owner's Representative.

PART 6 - IRRIGATION

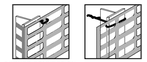
A. Contractor shall irrigate trees as specified by Landscape Architect and Qualified Certified Arborist.
B. On a monthly basis an irrigation audit shall be conducted by an irrigation specialist for review by Landscape Architect or Qualified Certified Arborist.



ELEVATION



PLAN VIEW



1. SIX (6) FOOT TALL WIRE MESH CONSTRUCTION FENCE BY EIGHT (8) FOOT TALL METAL T-BAR POSTS AND POST CAPS. SUBMIT PRODUCT INFORMATION FOR APPROVAL BY OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
2. WEATHER RESISTANT MATERIAL 2' X 2' "TREE PROTECTION ZONE" SIGN. SUBMIT PRODUCT INFORMATION FOR APPROVAL BY OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
3. EIGHT (8) FOOT TALL METAL T-BAR POSTS, 24" MINIMUM BURIAL BELOW GRADE OR AS REQUIRED TO CREATE A SAFE CONDITION. WHICHEVER GREATEST. SUBMIT PRODUCT INFORMATION FOR APPROVAL BY OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.

INSTALLATION NOTES:

A. POST SELECTION SHOULD BE BASED ON EXPECTED STRENGTH NEEDS AND THE LENGTH OF TIME FENCE WILL BE IN PLACE. FLEXIBLE FIBERGLASS ROD POSTS ARE RECOMMENDED FOR PARKS, ATHLETIC EVENTS AND CROWD CONTROL INSTALLATIONS. METAL "T" POSTS OR ARE TYPICALLY USED FOR CONSTRUCTION AND OTHER APPLICATIONS.

B. POSTS SHALL BE DRIVEN INTO THE GROUND TO A DEPTH OF TWO (2) FEET MINIMUM OR AS REQUIRED TO ENSURE A SAFE CONDITION. SPACE POSTS 6' MAXIMUM ON CENTER.

C. SECURE FENCING TO POST WITH NYLON CABLE TIES (AVAILABLE FROM COXWED PLASTICS). WOOD STRIPS MAY BE ALSO BE USED TO PROVIDE ADDITIONAL SUPPORT AND PROTECTION BETWEEN TIES AND POSTS.

NOTE: IF WIRE TIES ARE USED, AVOID DIRECT CONTACT WITH PROTECTOR BARRIER. WIRE MAY DAMAGE PROTECTOR BARRIER OVER TIME.

A TREE/SHRUB PROTECTOR
Barrier Detail
NTS

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811 Know what's below. Call before you dig.
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No.	REVISIONS	DATE	BY

Kimley»Horn
445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
PHONE: 772-794-4100
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BENJAMIN V. JOHNSON LICENSE NO. LA6667524 STATE OF FLORIDA LANDSCAPE ARCHITECT
Benjamin V. Johnson

KHA PROJECT 043326005
DATE 9/3/2024
SCALE AS SHOWN
DESIGNED BY NR
DRAWN BY NR
CHECKED BY KD

TREE DISPOSITION DETAILS

OAKWOOD SOUTH RETAIL SHOPPING CENTER
CITY OF HOLLYWOOD FL

SHEET NUMBER
L-102

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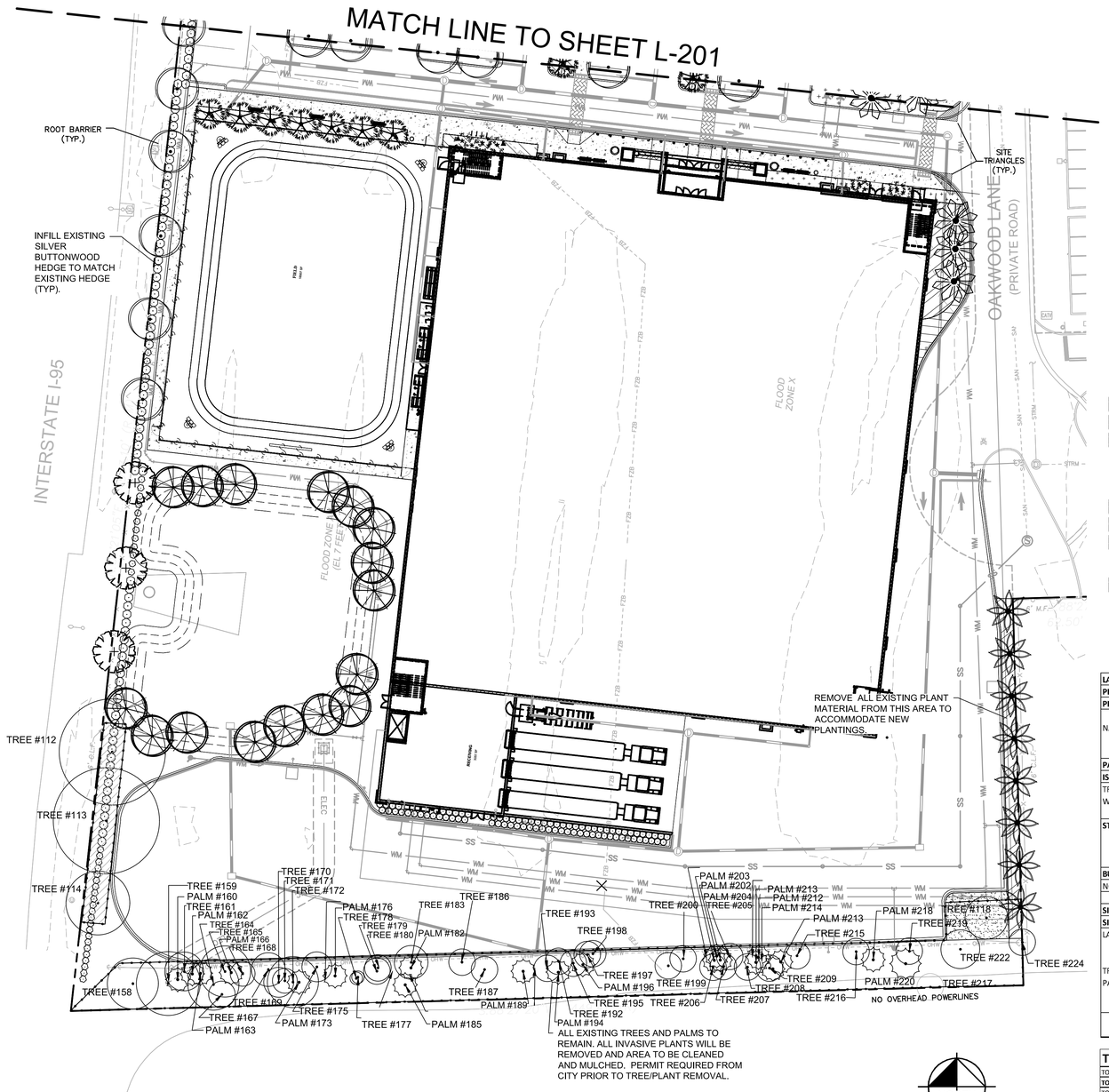

PLANT SCHEDULE

SYMBOL	CODE	QTY	COMMON NAME	BOTANICAL NAME	CONTAINER	DBH	HT	NATIVE	WATER US
TREES									
	CO	35	SATINLEAF	CHRYSOPHYLLUM OLIVIFORME	F.G.	3" DBH MIN.	12' HT MIN. X 5' SPR	YES	LOW
	CD	15	PIGEON PLUM	COCCOLOBA DIVERSIFOLIA	F.G.	2" DBH MIN.	12' HT MIN. X 5' SPR	YES	LOW
	IA	5	EAST PALATKA HOLLY	ILEX X ATTENUATA 'EAST PALATKA'	F.G.	2" DBH MIN.	12' HT MIN. X 5' SPR	YES	MODERATE
	IE	13	EAST PALATKA HOLLY	ILEX X ATTENUATA 'EAST PALATKA'	F.G.	3" DBH MIN.	14'HT X 6'SPR	YES	MODERATE
	QV	3	SOUTHERN LIVE OAK	QUERCUS VIRGINIANA	F.G.	3" DBH MIN.	14'HT X 6'SPR	YES	LOW
	TD	16	BALD CYPRESS	TAXODIUM DISTICHUM	F.G.	5.5" DBH MIN.	14-16' HT. MIN., 8' CLEAR TRUNK	YES	NO
PALM TREE									
	AA	21	ALEXANDRA PALM	ARCHONTOPHOENIX ALEXANDRAE	F.G.		8' GW	NO	MODERATE
	PR	11	PYGMY DATE PALM	PHOENIX ROEBELENII	F.G.		8' GW	NO	MODERATE
	RR	10	ROYAL PALM	ROYSTONEA REGIA	F.G.		10' GW	YES	LOW
	VM	8	MONTGOMERY PALM	VEITCHIA MONTGOMERYANA	F.G.		8' GW	NO	LOW
STREET TREES									
	RO	3	ROYAL PALM	ROYSTONEA REGIA	F.G.		10' GW	YES	LOW
	VE	5	MONTGOMERY PALM	VEITCHIA MONTGOMERYANA	F.G.		10' GW	NO	LOW

SYMBOL	CODE	QTY	COMMON NAME	BOTANICAL NAME	CONT	SPACING	SIZE	NATIVE	WATER US
SHRUBS									
	CB	184	SILVER BUTTONWOOD MAINTAINED AT 36" HT., FULL TO BASE	CONOCARPUS ERECTUS 'SERICEUS'	CONT.	30" O.C.	30"X30"	YES	
	ES	163	TO REMAIN	EXISTING SHRUB	-				
SHRUB AREAS									
	HC	738	DWARF FIREBUSH	HAMELIA PATENS 'COMPACTA'	CONT.	24" O.C.	18"X18"	YES	LOW
	JJ	612	WAX JASMINE	JASMINUM VOLUBILE	CONT.	30" O.C.	20" FULL	NO	MODERATE
	RA	897	WHITE INDIAN HAWTHORN	RHAPHIOLEPIS INDICA 'ALBA'	CONT.	24" O.C.	18"X18"	NO	MODERATE

SYMBOL	CODE	QTY	COMMON NAME	BOTANICAL NAME	CONT	O.C.	SIZE	NATIVE	WATER US
GROUND COVERS									
	AD	48	FOXTAIL FERN	ASPARAGUS DENSIFLORUS 'MYERS'	CONT.	20" O.C.	18"X18"	NO	
	LM	2,243	LIRIOPE	LIRIOPE MUSCARI 'EVERGREEN GIANT'	CONT.	12" O.C.	12" HT. MIN.	NO	
	TK	1,601	DWARF MINIMA ASIATIC JASMINE	TRACHELOSPERMUM ASIATICUM 'KENROKUEN'	CONT.	15" O.C.	10" FULL	YES	LOW
SOD/SEED									
	SOD	5,227 SF	FLORATAM ST. AUGUSTINE SOD	STENOTAPHRUM SECUNDATUM 'FLORATAM'	SOD		SOD	NO	

LANDSCAPE REQUIREMENTS		
PLANT MATERIAL REQUIREMENTS (PER ARTICLE 9.5.E)		
PLANT MATERIAL	**REQUIRED**	**PROPOSED**
	75% OF PLANT MATERIAL IS IDENTIFIED IN HOLLYWOOD TECHNICAL LANDSCAPE MANUAL	MET
NATIVE SPECIES	60% OF TREES (81 X 60%=48 REQUIRED)	81
	50% OF SHRUBS (X 50%=1041 REQUIRED)	1065
PARKING LOT REQUIREMENTS (PER ARTICLE 9.2.C.1)		
ISLANDS	**REQUIRED**	**PROPOSED**
TREES	1 TREE OR PALM PER ISLAND ISLAND = 24 PARKING ISLANDS	51
WIDTH	7' MIN	7' MIN
STREET TREES (PER PD DEVLOPMENT STANDARDS SEC 8.4) 312 LF		**PROPOSED**
	1 CANOPY TREE PER 50 LF=7 TREE REQUIRED (312 LF/50)	13 TOTAL (8 EXISTING + 5 PROPOSED) = 4 TREES
		3 ROYAL PALMS = 3 TREES
		7 TOTAL TREES
BUFFER REQUIREMENTS (PER PD)		
NONE		
SITE REQUIREMENTS (PER SECTION 6.8.8)		
SITE	**REQUIRED**	**PROPOSED**
LANDSCAPE AREAS	ALL PERVIOUS AREAS SHALL BE LANDSCAPED OR COVERED WITH LIVING GROUND COVER OR SOD	
	ALL LANDSCAPED AREA WILL RECEIVE 100% IRRIGATION	
	40% OF TOTAL SITE MUST BE LANDSCAPED OPEN SPACE = 29117 SF (67,983 X 40%)	67,983 SF
TREES	1 TREE/ 1,000 SF = (67,083 SF/1000SF) = 67 TREES	20 PROPOSED + 47 EXISTING
PALMS	3 PALMS = 1 CANOPY TREE	9 PROPOSED PALMS = 3 TREES
	1 SPECIMEN PALM (ROYAL PALM) = 1 CANOPY TREE	7 ROYAL PALMS = 7 TREES
	TOTAL TREES:	(30 PROPOSED + 47 EXISTING) = 77 TOTAL TREES
	TOTAL SHRUBS:	1644 PROPOSED

TREE MITIGATION CALCULATIONS

TOTAL MITIGATION REQUIRED (DBH IN INCHES)	2,039
TOTAL DBH PROVIDED (IN INCHES)	**247**
TOTAL PALMS REMOVED (EA.)	38
TOTAL PALMS PROVIDED (EA.)	**38**

TREE TRUST FUND CALCULATIONS

TOTAL MITIGATION REQUIRED (DBH IN INCHES)	2,039
TOTAL DBH PROVIDED	247
TOTAL DBH DELTA	1,792
TOTAL TREE REPLACEMENT TREE DEFICIT (12 FT' HT. x 2" DBH):	**896**

TOTAL TREE TRUST FUND CONTRIBUTION (TREE DEFICIT x $350)	**$ 313,600.00**

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LANDSCAPE PLAN

OAKWOOD SOUTH RETAIL SHOPPING CENTER

CITY OF HOLLYWOOD FL

SHEET NUMBER
L-200

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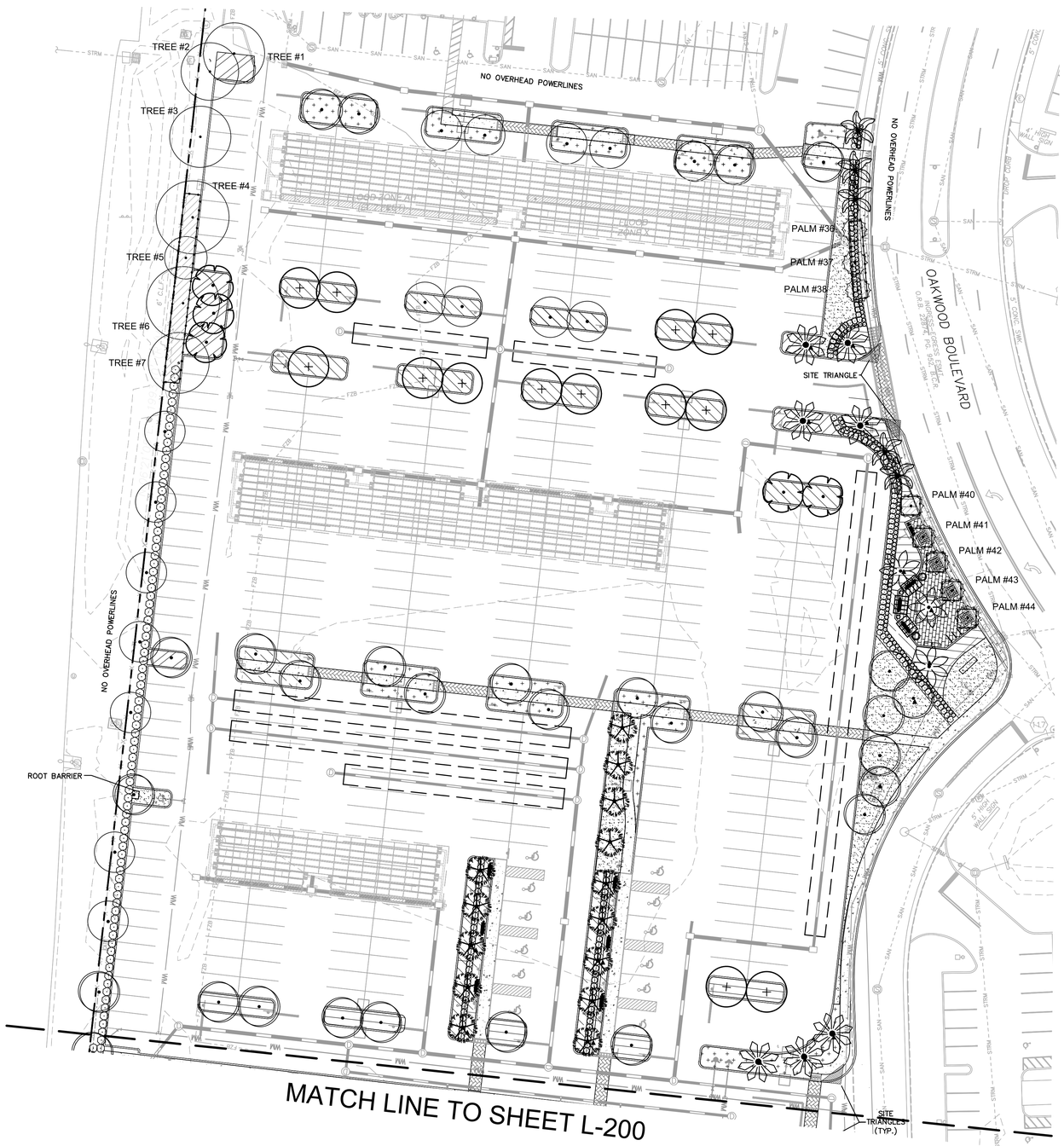
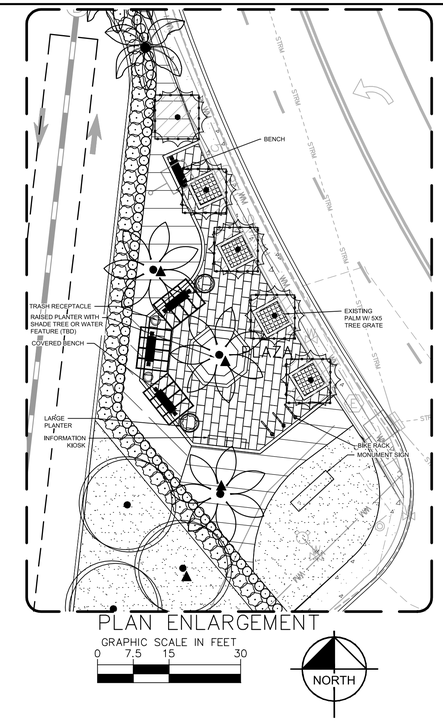


PLANT KEY

SYMBOL	CODE	COMMON / BOTANICAL NAME
TREES		
	TD	BALD CYPRESS / TAXODIUM DISTICHUM
	IA	EAST PALATKA HOLLY / ILEX X ATTENUATA 'EAST PALATKA'
	IE	EAST PALATKA HOLLY / ILEX X ATTENUATA 'EAST PALATKA'
	CD	PIGEON PLUM / COCCOLOBA DIVERSIFOLIA
	CO	SATINLEAF / CHRYSOPHYLLUM OLIVIFORME
	QV	SOUTHERN LIVE OAK / QUERCUS VIRGINIANA
PALM TREE		
	AA	ALEXANDRA PALM / ARCHONTOPHOENIX ALEXANDRAE
	VM	MONTGOMERY PALM / VEITCHIA MONTGOMERYANA
	PR	PYGMY DATE PALM / PHOENIX ROEBELENII
	RR	ROYAL PALM / ROYSTONEA REGIA
STREET TREES		
	VE	MONTGOMERY PALM / VEITCHIA MONTGOMERYANA
	RO	ROYAL PALM / ROYSTONEA REGIA
SHRUBS		
	ES	EXISTING SHRUB
	CB	SILVER BUTTONWOOD / CONOCARPUS ERECTUS `SERICEUS`
SHRUB AREAS		
	HC	DWARF FIREBUSH / HAMELIA PATENS 'COMPACTA'
	JJ	WAX JASMINE / JASMINUM VOLUBILE
	RA	WHITE INDIAN HAWTHORN / RHAPHIOLEPIS INDICA 'ALBA'
GROUND COVERS		
	TK	DWARF MINIMA ASIATIC JASMINE / TRACHELOSPERMUM ASIATICUM 'KENROKUEN'
	AD	FOXTAIL FERN / ASPARAGUS DENSIFLORUS `MYERS`
	LM	LIRIOPE / LIRIOPE MUSCARI `EVERGREEN GIANT`
SOD/SEED		
	SOD	FLORATAM ST. AUGUSTINE SOD / STENOTAPHRUM SECUNDATUM `FLORATAM`



LANDSCAPE NOTES:

1. PLANT MATERIAL SHALL BE HEALTHY, VIGOROUS AND FREE FROM DISEASES, INSECTS EGGS, AND SHALL HAVE A HEALTHY NORMAL ROOT SYSTEM, FURNISHED IN THE MINIMUM SIZES INDICATED IN THE SCHEDULE. NO SUBSTITUTIONS SHALL BE PERMITTED WITHOUT A WRITTEN PERMISSION FROM THE CITY OF HOLLYWOOD.
2. ALL PLANTS SHALL BE FLORIDA GRADE NO. 1 OR BETTER
3. ALL PLANTING SOIL AND TOP SOIL SHALL CONSIST OF 30% MUCK, 70% SAND, AND SHALL BE FREE OF HEAVY CLAY, COARSE SAND, ROCKS LARGER THAN 2", LUMPS, STICKS OR ANY OTHER DEBRIS.
4. FERTILIZER SHALL BE 12–12–12, 50% ORGANIC OR SLOW RELEASE NITROGEN.
5. TERRA–SORB OR APPROVED EQUAL SHALL BE PROVIDED ACCORDING TO MANUFACTURER'S RECOMMENDATION.
6. ALL PLANT MATERIALS EXCEPT TREES SHALL BE GUARANTEED FOR 180 DAYS AFTER THE COMPLETED PROJECTS IS ACCEPTED BY THE CITY. TREES SHALL BE GUARANTEED FOR ONE (1) YEAR.
7. CONTRACTOR SHALL CONFIRM PLANT QUANTITIES PRIOR TO BIDDING.
8. CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE OF LANDSCAPE AREA AND PLANTS FOR 90 DAYS STARTING ON THE DATE OF SUBSTANTIAL COMPLETION.
9. MULCH SHALL BE EUCALYPTUS GRADE A OR BETTER, USE OF CYPRESS BARK MULCH IS PROHIBITED IN THE PUBLIC RIGHT–OF–WAY.
10. THE ESTABLISHMENT PERIOD SHALL BEGIN AT THE TIME OF ACCEPTANCE OF INSTALLATION OF PLANTING AND IRRIGATION, AND EXTEND FOR 90 DAYS PAST THAT DATE, AND SHALL INCLUDE THE FOLLOWING ACTIVITIES:
    a. SUPPLY WATER IN SUFFICIENT AMOUNTS REQUIRED TO INSURE ESTABLISHMENT AND GOOD GROWTH FOLLOWING INDUSTRY STANDARDS. WATERING SCHEDULE MAY BE INTERRUPTED DURING PERIODS OF HEAVY RAINFALL (0.50" OR MORE PER DAY).
    b. STRAIGHTEN TREES AND PALMS AS REQUIRED (INCLUDING RE–GUYING AND RE–STAKING AS REQUIRED).
    c. WEEDING IS REQUIRED.
    d. MOWING EVERY 21 DAYS.
    e. MAINTAIN AND REPAIR IRRIGATION SYSTEM AS REQUIRED.
    f. INSECT AND DISEASE CONTROL AS REQUIRED.
    g. REMOVE STAKES AND GUYS AT THE END OF THE MAINTENANCE PERIOD.
11. ALL SOD AND LANDSCAPE SHALL RECEIVE 100% COVERAGE FROM AN AUTOMATIC IRRIGATION SYSTEM USING AN APPROVED WATER SOURCE.
12. IRRIGATION SYSTEM SHALL ALSO BE EQUIPPED WITH RAIN SENSOR.
13. ALL TREES AND PALMS SHALL BE PLANTED AT LEAST FIVE (5) FEET AWAY FROM ANY UNDERGROUND UTILITY LINE.
14. ALL TREES AND PALMS SHALL BE PLANTED AT LEAST SEVEN AND A HALF (7.5) FEET AWAY FROM ANY FIRE HYDRANT.
15. ANY SPECIES THAT ARE LISTED AS CATEGORY I AND II SPECIES ON THE MOST CURRENT "FLORIDA EXOTIC PEST PLANT COUNCIL: LIST ARE PROHIBITED TO BE PLANTED ON PRIVATE PROPERTY OR ON CITY PROPERTY INCLUDING ROW AND SWALE AREAS. – SEC. 106.01
16. A MAXIMUM OF 50% OF THE REQUIRED TREES MAY BE OF A PALM SPECIES. SEC.3.5.
17. STREET TREES: AT TIME OF INSTALLATION, SHADE TREES MUST BE A MINIMUM OF 12' OVERALL HEIGHT, APPROVED PALM TREES ARE TO HAVE A MINIMUM OF 8' CLEAR TRUNK (CT).
18. IDENTIFY ALL TREES TO REMAIN ON SITE WITH THE CORRESPONDING TREE PROTECTION AND PROTECTION BARRIERS. PROVIDE A TREE PROTECTION BARRIER DETAIL ON PLAN AS APPROVED BY CITY OF HOLLYWOOD. OUTLINE THE TREE PROTECTION BARRIER TO SCALE AROUND EACH TREE/PALM TO REMAIN ON PLAN.
19. PROVIDE A RECENT TREE SURVEY TO SHOW THE EXISTING TREES ON SITE AND IN SWALE AREAS.
20. SHOW ALL TREES ON SITE TO SCALE. SUPERIMPOSE EXISTING TREES ON PROPOSED SITE PLAN. THE TREE LEGEND MUST INCLUDE THE TREE NUMBER, COMMON NAME, BOTANICAL NAME, DBH, OVERALL HEIGHT, SPREAD, CONDITION, AND DISPOSITION (TO REMAIN, TO BE RELOCATED, TO BE REMOVED). SHOW ALL CANOPY INCLUDING CROWNS OF TREES FROM ADJACENT LOT LOCATED WITHIN 10' FROM PROPERTY LINE.
21. PROVIDE SIGHT TRIANGLES ON PLANS AT INTERSECTION OF DRIVEWAY AND PROPERTY LINE.
22. NATIVE PLANT REQUIREMENTS: 60% TREES, 50% SHRUBS – SEC. 3.4.
23. LABEL ALL SIDES OF PROPERTY WEATHER THERE ARE "EXISTING OVERHEAD POWERLINES" OR "NO OVERHEAD POWERLINES". PROVIDE FPL APPROVED TREES FOR PLANTING UNDER POWERLINES.
24. TREE REMOVAL DISCLAIMER: WRITE THIS STATEMENT ON ALL SHEETS FOR EXISTING/PROPOSED LANDSCAPE: "TREES AND PALMS SHALL NOT BE REMOVED WITHOUT FIRST OBTAINING AN APPROVED TREE REMOVAL PERMIT FROM THE CITY OF HOLLYWOOD."
25. ABOVE GROUND EQUIPMENT: WHERE REQUIRED FOR SCREENING PURPOSES, HEDGE SHALL BE PLANTED AT EQUIPMENT HEIGHT FOR VISUAL SCREENING.
26. NO TREE REMOVALS ALLOWED WITHOUT AN APPROVED CITY OF HOLLYWOOD TREE REMOVAL PERMIT.
27. FOR BUILDING PERMITS; NO TREE REMOVAL OR PLANTING ALLOWED WITHOUT AN APPROVED SUB–PERMIT.
28. EQUIPMENT (DUMPSTERS, ELECTRICAL TRANSFORMERS, ETC. WITH THE EXCEPTION OF FIRE HYDRANTS) MUST BE SCREENED ON AT LEAST THREE SIDES BY LANDSCAPE MATERIAL A MINIMUM OF 30 INCHES TALL. LANDSCAPING MUST NOT INTERFERE WITH THE NORMAL OPERATION OF THE EQUIPMENT.
29. IF YOU ARE PLANNING A PROJECT ON YOUR PROPERTY THAT INVOLVES DIGGING, SUCH AS INSTALLING A MAILBOX, FENCES, PLANTING TREES, ETC., YOU ARE ENCOURAGED TO CALL 811 A FEW DAYS BEFORE YOU START TO MAKE SURE YOU DO IT SAFELY. UTILITY COMPANIES WILL MARK BURIED LINES SO THAT YOU CAN DIG SAFELY AROUND THEM. VISIT CALL811.COM FOR DETAILS.

CALL 48 HOURS BEFORE YOU DIG

IT'S THE LAW! DIAL 811

811 Know what's below. Call before you dig.

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BENJAMIN VAN JOHNSON ★ LICENSE NO. LA6667524 ★ STATE OF FLORIDA LANDSCAPE ARCHITECT

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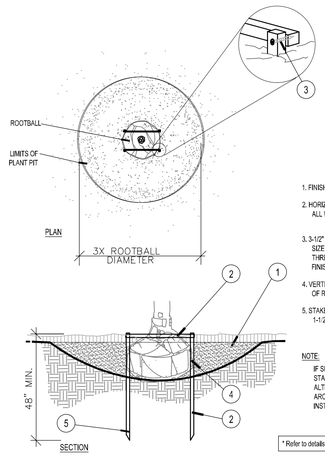
LANDSCAPE PLAN

OAKWOOD SOUTH RETAIL SHOPPING CENTER

CITY OF HOLLYWOOD FL

SHEET NUMBER
L-201



1. FINISH GRADE
2. HORIZONTAL 2X2 SCREWED TO 2X2 STAKE. ALL WOOD SHALL BE #2 UNTREATED.
3. 3-1/2" DRYWALL SCREW. THREAD SIZE 12, SHARP POINT, FULL THREAD, BLACK PHOSPHATE FINISH
4. VERTICAL STAKES SHALL ABUT SIDE OF ROOTBALL
5. STAKES TO EXTEND INTO NATIVE SOIL BY 1-1/2 X THE ROOTBALL DEPTH MIN.

NOTE:
IF SPATIAL REQUIREMENTS PRECLUDE STAKING WITH THIS METHOD, SUBMIT ALTERNATE FOR LANDSCAPE ARCHITECT'S APPROVAL PRIOR TO INSTALLING PLANT.

* Refer to details B and D for planting

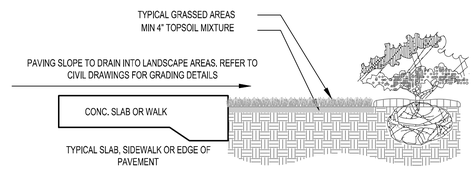
A Staking - up to 65 gal. or B&B to 3-1/2" Cal.
PLAN/SECTION NTS

SOD NOTES:

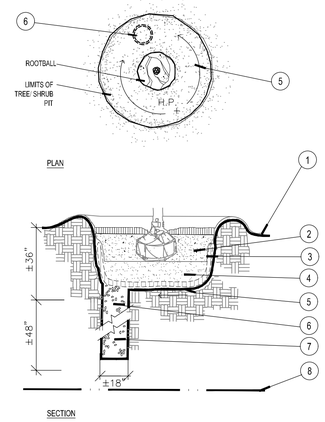
1. TYPICAL SOLID SOD LAID LEVEL WITH TIGHT JOINTS SET ADJACENT TO EDGE OF PAVEMENT SUCH THAT THE TOP OF SOD WHEN FRESHLY MOWED IS FLUSH WITH TOP OF PAVEMENT IN ORDER NOT TO IMPEDE THE FLOW OF RUNOFF INTO LANDSCAPE AREAS AND TO APPEAR NEAT AND WELL MAINTAINED.
2. ALL SOD LAID ADJACENT TO THE SHRUB OR GROUNDCOVER PLANTING AREAS SHALL HAVE WELL DEFINED BEDLINES, AND SHALL BE INSTALLED A DISTANCE BACK FROM THE FACE EDGE OF PLANT MATERIALS TO ALLOW FOR GROWTH OF THE PLANTS. THE TOP OF THE SOD AND THE FINISHED GRADE OF THE 3" MULCH COVER SHALL BE FLUSH AND LEVEL.
3. SOD SET ON PREPARED GRADE WHICH IS LEVEL OR GRADED TO MEET THE REQUIREMENTS OF THE ENGINEERED SITE DRAINAGE PLANS.

TOP SOIL NOTES:

1. PLANTING SOIL SHALL CONSIST OF 70% CLEAN, SHARP, SILICA SAND AND 30% EVERGLADES MUCK, MIXED WITH THE NATIVE, EXCAVATED SOIL IN A 1:1 RATIO (50/50).
2. TOPSOIL FOR USE IN PREPARING SOIL MIXTURE FOR BACKFILLING PLANT PITS SHALL BE FERTILE, FRIABLE, AND OF A LOAMY CHARACTER. REASONABLY FREE OF SUBSOIL, CLAY LUMPS, BRUSH WEEDS AND OTHER LITTER. FREE OF ROOTS, STUMPS, STONES LARGER THAN 2" IN ANY DIRECTION, AND OTHER EXTRANEOUS OR TOXIC MATTER HARMFUL TO PLANT GROWTH. IT SHALL CONTAIN THREE (3) TO FIVE (5) PERCENT DECOMPOSED ORGANIC MATTER AND A PH BETWEEN 5.5 AND 6.5 - SUBMIT SAMPLE AND PH TESTING RESULTS FOR APPROVAL.
3. CONTRACTOR TO SUBMIT SAMPLES OF SOIL MIXTURE FOR OWNER'S REPRESENTATIVE APPROVAL PRIOR TO PLANT INSTALLATION OPERATIONS COMMENCE.



B SOD
SECTION NTS

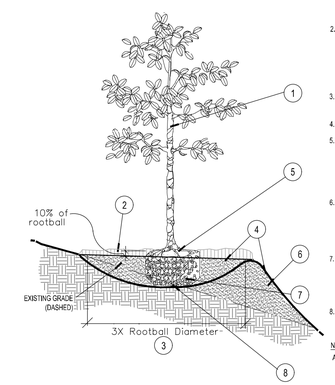


1. FINISH GRADE
2. BACKFILL WITH PREPARED PLANTING SOIL MIX AS SPECIFIED.
3. FILTER CLOTH, MIRAFI 500X OR BETTER
4. 12" CLEAN SAND. COMPACTED. ADJUST LAYER THICKNESS SO TOP OF ROOTBALL IS AT LEAST 1" ABOVE FINISHED GRADE.
5. SLOPE BOTTOM TO DRAIN
6. ±18"ø AUGURED HOLE PENETRATE THROUGH OCCLUDING LAYER TO WATER TABLE OR TO A DEPTH OF 7' TO ASSURE PROPER PERCOLATION.
7. BACKFILL WITH 1/2" - 3/4" GRAVEL.
8. WATER TABLE. (DEPTH VARIES)

NOTE:
FOR A PARKING ISLAND PLANTING SITUATION, CONTRACTOR TO BACKFILL ENTIRE LENGTH OF PLANTING AREA TO WITHIN 6" OF BACK OF CURB OR EDGE OF PAVEMENT.

REFER TO NOTE 0.3 OF WRITTEN SPECIFICATIONS FOR ADDITIONAL INFORMATION.

C Poor Drainage Condition
PLAN/SECTION NTS

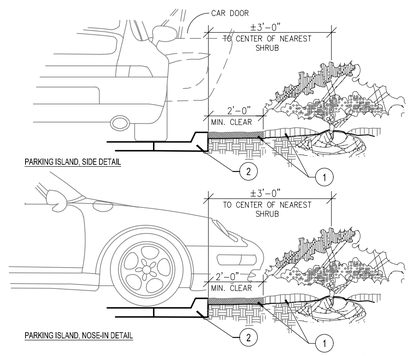


* ALL TREES SHALL BE PLUMB VERTICALLY WITHIN A TOLERANCE OF THREE DEGREES, UNLESS OTHERWISE DIRECTED BY OWNER'S REPRESENTATIVE.

1. TREES, PALMS, AND LARGE SHRUBS (15 GAL OR GREATER) SHALL BE PLANTED IN SIMILAR MANNER
2. 3" MINIMUM OF MULCH AS SPECIFIED. WHERE TREES ARE PLACED IN SOD, MULCH RING FOR TREES COVER ROOTBALL SIDES AND EXTEND 18" BEYOND ON ALL SIDES. NO MULCH SHALL BE PLACED OVER TRUNK.
3. SHALLOW/ WIDE PLANT HOLE; TOP SHALL BE 3X THE SIZE OF ROOTBALL.
4. FINISHED GRADE - LANDSCAPE SOIL
5. FIND TOP-MOST ROOT ON ROOTBALL; POSITION ROOTBALL SO THIS TOP ROOT IS 1-2" ABOVE LANDSCAPE SOIL. (APPROX. 10% OF ROOTBALL SHALL BE ABOVE LANDSCAPE SOIL)
6. BERM SOIL SO THAT TOP OF BERM IS JUST BELOW THE TOP 10% OF THE TOP OF THE ROOTBALL. SLOPE DOWNHILL PORTION OF BERM AS REQUIRED TO MEET EXISTING GRADE.
7. B & B OR CONTAINER REMOVE ALL SYNTHETIC MATERIALS FROM ROOTBALL (SEE SPECIFICATIONS FOR OTHER ROOT BALL REQUIREMENTS)
8. ROOTBALLS SHALL BE PLACED ON UNDISTURBED SOIL TO PREVENT SETTLING.

NOTES:
A. CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION.
B. FINAL TREE STAKING DETAILS AND PLACEMENT TO BE APPROVED BY OWNER.
C. SEE PRE-APPROVED STAKING METHODS. THIS SHEET

D Planting on a Slope
SECTION NTS

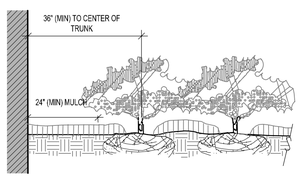


1. INSTALL CONTINUOUS MULCH BED ADJACENT TO PARKING SPACES AS SHOWN. MULCH SHALL BE MIN. 3" DEEP.

   NO POP-UP IRRIGATION HEADS SHALL BE LOCATED WITHIN 24" OF A PARKING SPACE ON ANY SIDE

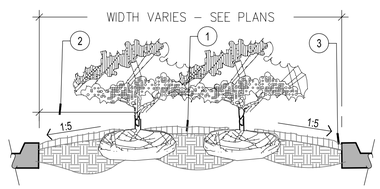
2. CURB OR PARKING LOT EDGE, BY OTHERS

E Parking Space/Curb Planting
SECTION NTS



NOTES
* CLEAR ZONE: 36" MIN. FROM BUILDING TO CENTER OF NEAREST SHRUB.

F Plantings Adjacent to Buildings
SECTION NTS

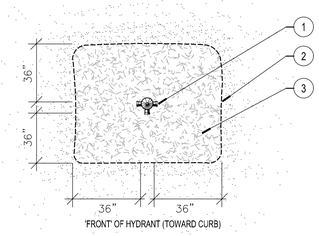


PLANTER ISLAND NOTES

1. CROWN ISLANDS @ 5:1 SLOPES (OR AS SPECIFIED ON THE LANDSCAPE PLANS).
2. CLEAR ZONE: 36" MIN. FROM BACK OF CURB TO CENTER OF NEAREST SHRUB. CLEAR ZONE SHALL CONTAIN 3" CONTINUOUS MULCH OR TURF, SEE PLANS. SEE DETAIL 1 FOR PLANTER MEDIANS ADJACENT TO PARKING SPACES.
3. 1" MIN VERTICAL CLEARANCE, TOP OF CURB TO TOP OF MULCH.

- EXCAVATE CONTINUOUS 36" DEEP (FROM TOP OF CURB) FOR ENTIRE LENGTH AND WIDTH OF ISLAND & BACKFILL WITH APPROVED PLANTING MIX.
- PROTECT AND RETAIN ALL CURBS AND BASE. COMPACTED SUBGRADE TO REMAIN FOR STRUCTURAL SUPPORT OF CURB SYSTEM (TYP).
- ALL ISLANDS SHALL UTILIZE POOR DRAINAGE DETAIL WHEN PERCOLATION RATES ARE 2" PER HOUR OR LESS.

G Planted Parking Lot Islands / Medians
SECTION NTS



1. FIRE HYDRANT
2. NO TREES SHALL BE PLACED WITHIN SHOWN RADIUS OF ALL PROPOSED OR EXISTING FIRE HYDRANTS. CONTRACTOR SHALL ADJUST PLANT MATERIAL SO THAT NO CONFLICTS WITH FIRE HYDRANTS OCCUR ON SITE.
3. PROVIDE A MULCH, 3" DEPTH MIN., SURROUNDING AREA INDICATED.

M Fire Hydrant Clear Zone
PLAN NTS

CALL 48 HOURS BEFORE YOU DIG

IT'S THE LAW! DIAL 811

811 Know what's below. Call before you dig.

SUNSHINE STATE ONE CALL OF FLORIDA, INC.

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No.	REVISIONS	DATE	BY

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BENJAMIN VAN JOHNSON LICENSE NO. LA6667524 STATE OF FLORIDA LANDSCAPE ARCHITECT
Benjamin V. Johnson

KHA PROJECT 043326005
DATE 9/3/2024
SCALE AS SHOWN
DESIGNED BY NR
DRAWN BY NR
CHECKED BY KD

LANDSCAPE DETAILS

OAKWOOD SOUTH RETAIL SHOPPING CENTER
CITY OF HOLLYWOOD FL

SHEET NUMBER
L-202

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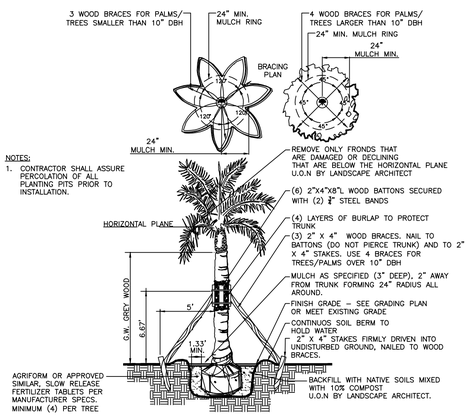
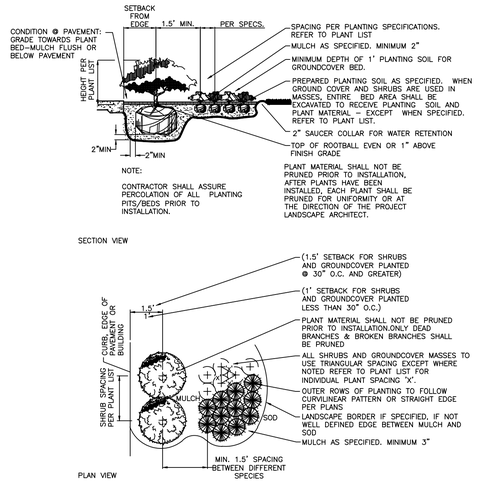


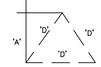
NOTES:
1. CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION.

DRAWING NO.: L–01

TYPICAL PALM STAKING DETAIL



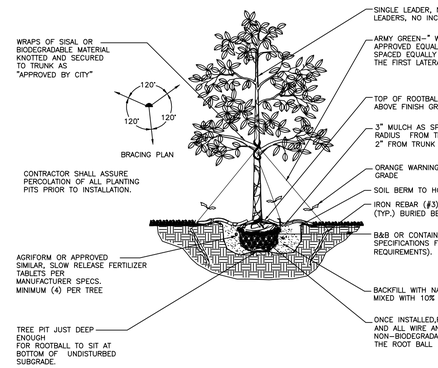
SPACING 'D'	ROW 'A'	# PLANTS	AREA UNIT
6" OC	5.2"	4.61	1 SQ. FT.
8" OC	6.93"	2.6	
10" OC	8.66"	1.66	
12" OC	10.4"	1.15	
15" OC	13.0"	7.38	10 SQ. FT.
18" OC	15.6"	5.12	
24" OC	20.8"	2.91	
30" OC	26.0"	1.85	
36" OC	30.0"	1.28	
48" OC	3.46'	7.25	100 SQ. FT.
60" OC	4.33'	4.61	
72" OC	5.2'	3.2	
96" OC	6.93'	1.8	
120" OC	8.66'	1.16	



NOTES:
1. FOR USE ONLY WHEN PLANTS ARE SPACED EQUIDISTANT FROM EACH OTHER AS SHOWN. EACH OTHER AS SHOWN.
2. ALL SHRUBS & GROUND COVER ARE TO BE INSTALLED WITH TRIANGULAR SPACING UNLESS OTHERWISE NOTED.

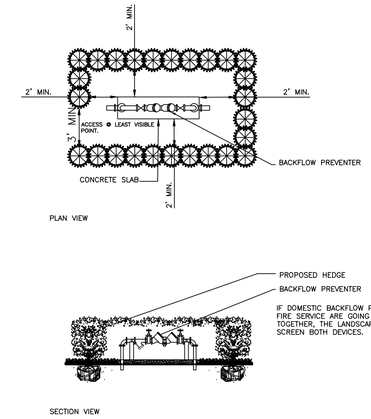
DRAWING NO.: L–02

SHRUB AND GROUNDCOVER DETAIL



DRAWING NO.: L–03

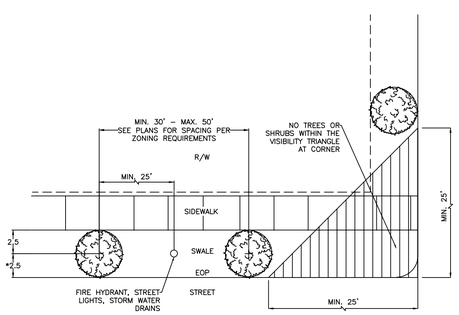
TREE PLANTING DETAIL



NOTES:
1. ALL UTILITIES MUST BE SCREENED, IF NO UTILITY APPARATUS WAS PRESENT IN LANDSCAPE PLANS AT TIME OF DESIGN AND NOW PRESENT IN FIELD, SCREEN WITH COCOPLUM OR AVAILABLE NATIVE HEDGE, LEAVE 36" ACCESS TO UTILITY IN LESS VISIBLE SIDE.
2. EQUIPMENT (DUMPSTERS, ELECTRICAL TRANSFORMERS, ETC. WITH THE EXCEPTION OF FIRE HYDRANTS) MUST BE SCREENED ON AT LEAST THREE SIDES BY LANDSCAPE MATERIAL A MINIMUM OF 30 INCHES TALL. LANDSCAPING MUST NOT INTERFERE WITH THE NORMAL OPERATION OF THE EQUIPMENT.

DRAWING NO.: L–04

TYPICAL SCREEN FOR UTILITIES



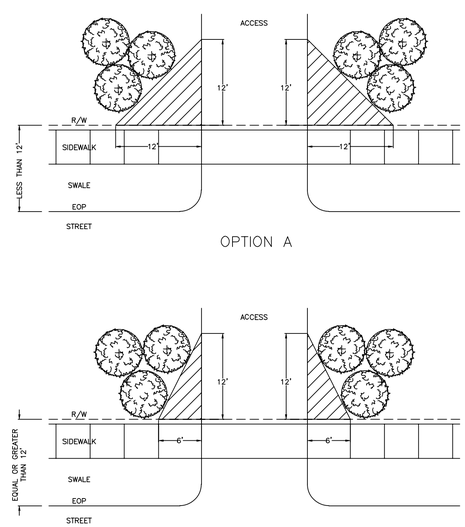
(*) 2.5' FROM CURB FOR LOCAL AND COLLECTOR STREETS
4.0' FROM ARTERY STREET

NOTES:

PER CITY OF HOLLYWOOD'S LANDSCAPE MANUAL SEC. 4.3. SWALE AREA TREES CANNOT BE:
1. WITHIN 25 FEET FROM INTERSECTING STREET
2. WITHIN 25 FEET FROM PUBLIC STORM DRAIN, STREET LIGHT OR FIRE HYDRANT
3. WITHIN 10 FEET OF AN INTERSECTING ALLEY
4. WITHIN 25 FEET OF A COMMERCIAL OR INDUSTRIAL DRIVEWAY

DRAWING NO.: L–06

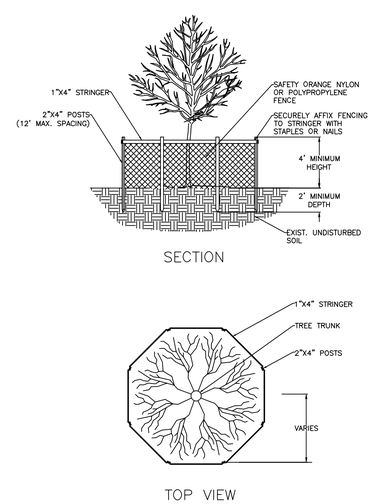
STREET TREE LOCATION DETAIL



NOTES:
1. ALL FENCES, WALLS, BUSHES, HEDGES, AND ANY OTHER LANDSCAPING OR PLANT MATERIAL, WITHIN THE VIEW TRIANGLE SHALL PROVIDE UNOBSTRUCTED CROSS VISIBILITY AT A LEVEL BETWEEN 30 INCHES AND 72 INCHES ABOVE GROUND LEVEL.
2. TREES HAVING OVER 72 INCHES OF CLEAR TRUNK WITH LIMBS AND FOLIAGE TRIMMED IN SUCH A MANNER AS NOT TO EXTEND INTO THE VIEW TRIANGLE SHALL BE PERMITTED WITHIN SAID AREAS, PROVIDED THEY IN NO WAY IMPEDE VISIBILITY. NO LANDSCAPING ELEMENTS, EXCEPT FOR REQUIRED GRASS OR GROUND COVER, SHALL BE LOCATED CLOSER THAN 36 INCHES FROM THE EDGE OF ANY VEHICULAR TRAVEL LANE.

DRAWING NO.: L–07

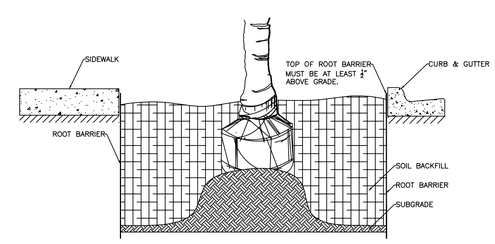
VISIBILITY TRIANGLE DETAIL



NOTES:
1. BARRICADE CIRCLE TO BE CENTERED ON TREE TRUNK(S). FOR GROUPS OF TREES, PLACE BARRICADES BETWEEN TREES AND CONSTRUCTION ACTIVITY.
2. TREE PROTECTION BARRICADES SHALL BE LOCATED TO PROTECT EXISTING, RELOCATED AND NEW TREES IN CONSTRUCTION AREAS. THE PROTECTIVE BARRIER SHALL BE PLACED AROUND THE TREE AT A DISTANCE 6 FEET FROM THE TREE TRUNK OR AT THE CANOPY DRIP LINE, WHICHEVER IS GREATER OR AS SHOWN ON LANDSCAPE PLAN.

DRAWING NO.: L–08

TREE PROTECTION DETAIL



NOTE:
1. ROOT BARRIERS WHEN USED FOR SWALE TREES THAT ARE PLANTED WITHIN FIVE FEET OF A SIDEWALK OR ROADWAY SHALL BE PLACED AGAINST THE EDGE OF THE SIDEWALK AND THE EDGE OF THE PAVEMENT, AND SHALL EXTEND FIVE FEET IN BOTH DIRECTIONS PARALLEL TO THE SIDEWALK AND ROADWAY.

DRAWING NO.: L–09

ROOT BARRIER DETAIL

CALL 48 HOURS BEFORE YOU DIG
IT'S THE LAW! DIAL 811
811 Know what's below. Call before you dig.
SUNSHINE STATE ONE CALL OF FLORIDA, INC.

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BENJAMIN VAN JOHNSON LICENSE NO. LA6667524 STATE OF FLORIDA PROFESSIONAL LANDSCAPE ARCHITECT
Benjamin V. Johnson

KHA PROJECT	043326005
DATE	9/3/2024
SCALE	AS SHOWN
DESIGNED BY	NR
DRAWN BY	NR
CHECKED BY	KD

HOLLYWOOD PLANTING DETAILS

OAKWOOD SOUTH RETAIL SHOPPING CENTER

CITY OF HOLLYWOOD FL

SHEET NUMBER
L-203

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GENERAL LANDSCAPE SPECIFICATIONS AND NOTES

A. SCOPE OF WORK

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

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

B. PROTECTION OF EXISTING STRUCTURES

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

C. PROTECTION OF EXISTING PLANT MATERIALS OUTSIDE LIMIT OF WORK

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

D. MATERIALS

1. GENERAL

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

MATERIAL	SUBMITTAL
MULCH	PRODUCT DATA
TOPSOIL MIX	AMENDMENT MIX/ PRODUCT DATA/ TEST RESULTS
PLANTS	PHOTOGRAPHS OF ONE (1) OF EACH SPECIES (OR TAGGED IN NURSERY) INDICATE SIZES (HEIGHT/WIDTH) AND QUALITY PER SPEC. CLIENT-REQUESTED TAGGING MAY SUBSTITUTE PHOTOS.
FERTILIZER	PRODUCT DATA
INNOCULANT	PRODUCT DATA
HERBICIDE	PRODUCT DATA

2. PLANT MATERIALS

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

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

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

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

1. SOIL MIXTURE SHALL CONSIST OF 70% COARSE SAND, 30% FLORIDA PEAT AS DESCRIBED BELOW.
2. SOIL FOR USE IN PREPARING SOIL MIXTURE FOR BACKFILLING SHALL BE FERTILE, FRIABLE, AND REASONABLY FREE OF SUBSOIL, CLAY LUMPS, BRUSH WEED AND OTHER LITTER, FREE OF ROOTS, STUMPS, STONE LARGER THAN 2" IN ANY DIRECTION, AND OTHER EXTRANEOUS OR TOXIC MATTER HARMFUL TO PLANT GROWTH. IT SHALL HAVE A PH BETWEEN 5.5 AND 7.0 - SUBMIT SAMPLE AND PH TESTING RESULTS FOR APPROVAL.
3. SAND SHALL BE COARSE, CLEAN, WELL-DRAINING, NATIVE ORTONA MINED SAND. CONTRACTOR SHALL SUBMIT RESULTS OF SOIL TEST FOR PEAT AND SAND PROPOSED FOR USE UNDER THIS CONTRACT FOR APPROVAL.
4. CONTRACTOR SHALL SUBMIT SAMPLES OF SOIL MIXTURE FOR LANDSCAPE ARCHITECT REVIEW UNDER FORMAL SUBMITTAL AND SUBSEQUENTLY TO OWNER'S REPRESENTATIVE THEREAFTER FOR APPROVAL PRIOR TO PLANT INSTALLATION OPERATIONS COMMENCE.
5. FLORIDA MUCK / FLORIDA MUCKY PEAT MAY BE PROVIDED AS A SUBSTITUTE FOR THE 30% FLORIDA PEAT, CONTINGENT UPON PRELIMINARY TEST RESULTS AND AS DETERMINED BY THE LANDSCAPE ARCHITECT DURING THE SUBMITTAL PROCESS. ANY CHANGES IN THE PERCENTAGES OR PARENT MATERIALS REQUIRED TO PROVIDE THE SPECIFIED MIXTURE AS DETERMINED BY THE LANDSCAPE ARCHITECT SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST TO OWNER.
6. CONTRACTOR SHALL PROVIDE PH TEST RESULTS FOR ALL MIX COMPONENTS AND FINAL MIX.
7. CONTRACTOR SHALL PROVIDE PENETROMETER ON-SITE AT ALL TIMES FOR COMPACTION INSPECTION AT THE DISCRETION OF THE LANDSCAPE ARCHITECT.
8. PENETROMETER CRITERIA / SPECIFICATIONS SHALL RANGE FROM APPROX. 75 PSI TO LESS THAN 300 PSI OR AS DETERMINED BY THE LANDSCAPE ARCHITECT.
9. FINAL MIX SHALL BE TESTED TO HAVE A SATURATED WEIGHT OF NO MORE THAN 85 POUNDS PER CUBIC FOOT WHEN COMPACTED TO 85% STANDARD PROCTOR. FERTILIZER PRODUCT DATA AND RATE SCHEDULE SHALL BE SUBMITTED CONCURRENTLY WITH THE SOIL SUBMITTAL FOR EVALUATION BY THE LANDSCAPE ARCHITECT.
10. SOIL SHALL BE SUPPLIED BY ATLAS PEAT & SOIL INC. 9621 STATE ROAD, BOYNTON BEACH, FLORIDA 33472 PHONE: 561-734-7300.

F. WATER

WATER NECESSARY FOR PLANTING AND MAINTENANCE SHALL BE OF SATISFACTORY QUALITY TO SUSTAIN AN ADEQUATE PLANT GROWTH AND SHALL NOT CONTAIN HARMFUL, NATURAL OR MAN-MADE ELEMENTS DETRIMENTAL TO PLANTS. WATER MEETING THE ABOVE STANDARD SHALL BE OBTAINED ON THE SITE FROM THE OWNER, IF AVAILABLE, AND THE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE ARRANGEMENTS FOR ITS USE BY HIS TANKS, HOSES, SPRINKLERS, ETC.. IF SUCH WATER IS NOT AVAILABLE AT THE SITE, THE CONTRACTOR SHALL PROVIDE SATISFACTORY WATER FROM SOURCES OFF THE SITE AT NO ADDITIONAL COST TO THE OWNER.

*WATERING/IRRIGATION RESTRICTIONS MAY APPLY - REFER TO PROPERTY'S JURISDICTIONAL AUTHORITY.

G. FERTILIZER

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

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

H. ROCK MULCH

ROCK MULCH MATERIAL SHALL BE TWO (2) TO THREE (3) INCHES DIAMETER CHATTAHOOCHEE ROCK (OR APPROVED EQUAL) AT A MINIMUM DEPTH OF THREE (3) INCHES IN ALL LANDSCAPE SHRUB AND GROUNDCOVER AREAS. THE ROCK MULCH SHALL CONFINE TO THE LANDSCAPE BED LINES ESTABLISHED BY ADJACENT SOD AREAS, HARDSCAPE AREAS, AND CURBS. CLEAR MULCH FROM EACH PLANT'S CROWN (BASE).

I. DIGGING AND HANDLING

1. PROTECT ROOTS OR ROOT BALLS OF PLANTS AT ALL TIMES FROM SUN, DRYING WINDS, WATER AND FREEZING, AS NECESSARY UNTIL PLANTING. PLANT MATERIALS SHALL BE ADEQUATELY PACKED TO PREVENT DAMAGE DURING TRANSIT. TREES TRANSPORTED MORE THAN TEN (10) MILES OR WHICH ARE NOT PLANTED WITHIN THREE (3) DAYS OF DELIVERY TO SITE SHALL BE SPRAYED WITH AN ANTITRANSPIRANT PRODUCT ("WILTPRUF" OR EQUAL) TO MINIMIZE TRANSPIRATIONAL WATER LOSS.
2. BALLED AND BURLAPPED PLANTS (B&B) SHALL BE DUG WITH FIRM, NATURAL BALLS OF SOIL OF SUFFICIENT SIZE TO ENCOMPASS THE FIBROUS AND FEEDING ROOTS OF THE PLANTS. NO PLANTS MOVED WITH A ROOT BALL SHALL BE PLANTED IF THE BALL IS CRACKED OR BROKEN. PLANTS BALLED AND BURLAPPED OR CONTAINER GROWN SHALL NOT BE HANDLED BY STEMS.
3. PLANTS MARKED "BR" IN THE PLANT LIST SHALL BE DUG WITH BARE ROOTS, COMPLYING WITH FLORIDA GRADES AND STANDARDS FOR NURSERY PLANTS, CURRENT EDITION. CARE SHALL BE EXERCISED THAT THE ROOTS DO NOT DRY OUT DURING TRANSPORTATION AND PRIOR TO PLANTING.
4. PROTECTION OF PALMS (IF APPLICABLE): ONLY A MINIMUM OF FRONDS SHALL BE REMOVED FROM THE CROWN OF THE PALM TREES TO FACILITATE MOVING AND HANDLING. CLEAR TRUNK (CT) SHALL BE AS SPECIFIED AFTER THE MINIMUM OF FRONDS HAVE BEEN REMOVED. ALL PALMS SHALL BE BRACED PER PALM PLANTING DETAIL.
5. EXCAVATION OF TREE PITS SHALL BE PERFORMED USING EXTREME CARE TO AVOID DAMAGE TO SURFACE AND SUBSURFACE ELEMENTS SUCH AS UTILITIES OR HARDSCAPE ELEMENTS, FOOTERS AND PREPARED SUB- BASES.

J. CONTAINER GROWN STOCK

1. ALL CONTAINER GROWN MATERIAL SHALL BE HEALTHY, VIGOROUS, WELL-ROOTED PLANTS ESTABLISHED IN THE CONTAINER IN WHICH THEY ARE SOLD. THE PLANTS SHALL HAVE TOPS WHICH ARE OF GOOD QUALITY AND ARE IN A HEALTHY GROWING CONDITION. FLORIDA #1 OR BETTER.
2. AN ESTABLISHED CONTAINER GROWN PLANT SHALL BE TRANSPLANTED INTO A CONTAINER AND GROWN IN THAT CONTAINER SUFFICIENTLY LONG FOR THE NEW FIBROUS ROOTS TO HAVE DEVELOPED SO THAT THE ROOT MASS WILL RETAIN ITS SHAPE AND HOLD TOGETHER WHEN REMOVED FROM THE CONTAINER. CONTAINER GROWN STOCK SHALL NOT BE HANDLED BY THEIR STEMS.
3. PLANT ROOTS BOUND IN CONTAINERS ARE NOT ACCEPTABLE.
4. SUBSTITUTION OF NON-CONTAINER GROWN MATERIAL FOR MATERIAL EXPLICITLY SPECIFIED TO BE CONTAINER GROWN WILL NOT BE PERMITTED WITHOUT WRITTEN APPROVAL IS OBTAINED FROM THE OWNER OR OWNER'S REPRESENTATIVE.

K. COLLECTED STOCK

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

L. NATIVE STOCK

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

M. MATERIALS LIST

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

N. FINE GRADING

1. FINE GRADING UNDER THIS CONTRACT SHALL CONSIST OF FINAL FINISHED GRADING OF LAWN AND PLANTING AREAS THAT HAVE BEEN ROUGH GRADED BY OTHERS. BERMING AS SHOWN ON THE DRAWINGS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, UNLESS OTHERWISE NOTED.
2. THE CONTRACTOR SHALL FINE GRADE THE LAWN AND PLANTING AREAS TO BRING THE ROUGH GRADE UP TO FINAL FINISHED GRADE ALLOWING FOR THICKNESS OF SOD AND/OR MULCH DEPTH. THIS CONTRACTOR SHALL FINE GRADE BY HAND AND/OR WITH ALL EQUIPMENT NECESSARY INCLUDING A GRADING TRACTOR WITH FRONT-END LOADER FOR TRANSPORTING SOIL WITHIN THE SITE.
3. ALL PLANTING AREAS SHALL BE GRADED AND MAINTAINED FOR POSITIVE DRAINAGE TO SURFACE/SUBSURFACE STORM DRAIN SYSTEMS. AREAS ADJACENT TO BUILDINGS SHALL SLOPE AWAY FROM THE BUILDINGS. REFER TO CIVIL ENGINEER'S PLANS FOR FINAL GRADES.

O. PLANTING PROCEDURES

1. CLEANING UP BEFORE COMMENCING WORK: THE CONTRACTOR SHALL CLEAN WORK AND SURROUNDING AREAS OF ALL RUBBISH OR OBJECTIONABLE MATTER. ALL MORTAR, CEMENT, AND TOXIC MATERIAL SHALL BE REMOVED FROM THE SURFACE OF ALL PLANT BEDS. THESE MATERIALS SHALL NOT BE MIXED WITH THE SOIL. SHOULD THE CONTRACTOR FIND SUCH SOIL CONDITIONS BENEATH THE SOIL WHICH WILL IN ANY WAY ADVERSELY AFFECT THE PLANT GROWTH, HE SHALL IMMEDIATELY CALL IT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE. FAILURE TO DO SO BEFORE PLANTING SHALL MAKE THE CORRECTIVE MEASURES THE RESPONSIBILITY OF THE CONTRACTOR.
2. VERIFY LOCATIONS OF ALL UTILITIES, CONDUITS, SUPPLY LINES AND CABLES, INCLUDING BUT NOT LIMITED TO: ELECTRIC, GAS (LINES AND TANKS), WATER, SANITARY SEWER, STORMWATER SYSTEMS, CABLE, AND TELEPHONE. PROPERLY MAINTAIN AND PROTECT EXISTING UTILITIES. CALL NATIONAL ONE CALL - 811 - TO LOCATE UTILITIES.
3. SUBGRADE EXCAVATION: CONTRACTOR IS RESPONSIBLE TO REMOVE ALL EXISTING AND IMPORTED LIMEROCK AND LIMEROCK SUB-BASE FROM ALL LANDSCAPE PLANTING AREAS TO A MINIMUM DEPTH OF 36". CONTRACTOR IS RESPONSIBLE TO BACKFILL THESE PLANTING AREAS TO ROUGH FINISHED GRADE WITH CLEAN TOPSOIL FROM AN ON-SITE SOURCE OR AN IMPORTED SOURCE. IF LIMEROCK OR OTHER ADVERSE CONDITIONS OCCUR IN PLANTED AREAS AFTER 36" DEEP EXCAVATION BY THE CONTRACTOR, AND ADEQUATE PERCOLATION CAN NOT BE ACHIEVED, CONTRACTOR SHALL UTILIZE PLANTING DETAIL THAT ADDRESSES POOR DRAINAGE.
4. FURNISH NURSERY'S CERTIFICATE OF COMPLIANCE WITH ALL REQUIREMENTS AS HEREIN SPECIFIED AND REQUIRED. INSPECT AND SELECT PLANT MATERIALS BEFORE PLANTS ARE DUG AT NURSERY OR GROWING SITE.
5. GENERAL: COMPLY WITH APPLICABLE FEDERAL, STATE, COUNTY, AND LOCAL REGULATIONS GOVERNING LANDSCAPE MATERIALS AND WORK. CONFORM TO ACCEPTED HORTICULTURAL PRACTICES AS USED IN THE TRADE. UPON ARRIVAL AT THE SITE , PLANTS SHALL BE THOROUGHLY WATERED AND PROPERLY MAINTAINED UNTIL PLANTED. PLANTS STORED ON-SITE SHALL NOT REMAIN UNPLANTED FOR A PERIOD EXCEEDING TWENTY-FOUR (24) HOURS. AT ALL TIMES, METHODS CUSTOMARY IN GOOD HORTICULTURAL PRACTICES SHALL BE EXERCISED.
6. THE WORK SHALL BE COORDINATED WITH OTHER TRADES TO PREVENT CONFLICTS. COORDINATE PLANTING WITH IRRIGATION WORK TO ASSURE AVAILABILITY OF WATER AND PROPER LOCATION OF IRRIGATION APPURTENANCES AND PLANTS.
7. ALL PLANTING PITS SHALL BE EXCAVATED TO SIZE AND DEPTH IN ACCORDANCE WITH THE USA STANDARD FOR NURSERY STOCK Z60.1, UNLESS SHOWN OTHERWISE ON THE DRAWINGS, AND BACKFILLED WITH THE PREPARED PLANTING SOIL MIXTURE AS SPECIFIED IN SECTION E. TEST ALL TREE PITS WITH WATER BEFORE PLANTING TO ASSURE PROPER DRAINAGE PERCOLATION IS AVAILABLE. NO ALLOWANCE WILL BE MADE FOR LOST PLANTS DUE TO IMPROPER PERCOLATION. IF POOR PERCOLATION EXISTS, UTILIZE "POOR DRAINAGE CONDITION" PLANTING DETAIL. TREES SHALL BE SET PLUMB AND HELD IN POSITION UNTIL THE PLANTING MIXTURE HAS BEEN FLUSHED INTO PLACE WITH A SLOW, FULL HOSE STREAM. ALL PLANTING SHALL BE PERFORMED BY PERSONNEL FAMILIAR WITH PLANTING PROCEDURES AND UNDER THE SUPERVISION OF A QUALIFIED LANDSCAPE FOREMAN. PROPER "JETTING IN" SHALL BE ASSURED TO ELIMINATE AIR POCKETS AROUND THE ROOTS. "JET STICK" OR EQUAL IS RECOMMENDED.
8. TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO BUILDINGS AND BUILDING STRUCTURES WHILE INSTALLING TREES.
9. SOIL MIXTURE SHALL BE AS SPECIFIED IN SECTION E OF THESE SPECIFICATIONS.
10. TREES AND SHRUBS SHALL BE SET STRAIGHT AT AN ELEVATION THAT, AFTER SETTLEMENT, THE PLANT CROWN WILL STAND ONE (1) TO TWO (2) INCHES ABOVE GRADE. EACH PLANT SHALL BE SET IN THE CENTER OF THE PIT. PLANTING SOIL MIXTURE SHALL BE BACKFILLED, THOROUGHLY TAMPED AROUND THE BALL, AND SETTLED BY WATER (AFTER TAMPING).
11. AMEND PINE AND OAK PLANT PITS WITH ECTOMYCORRHIZAL SOIL APPLICATION PER MANUFACTURER'S RECOMMENDATION. ALL OTHER PLANT PITS SHALL BE AMENDED WITH ENDOMYCORRHIZAL SOIL APPLICATION PER MANUFACTURER'S RECOMMENDATION. PROVIDE PRODUCT INFORMATION SUBMITTAL PRIOR TO INOCULATION.
12. FILL HOLE WITH SOIL MIXTURE, MAKING CERTAIN ALL SOIL IS SATURATED. TO DO THIS, FILL HOLE WITH WATER AND ALLOW TO SOAK MINIMUM TWENTY (20) MINUTES, STIRRING IF NECESSARY TO GET SOIL THOROUGHLY WET. PACK LIGHTLY WITH FEET. ADD MORE WET SOIL MIXTURE. DO NOT COVER TOP OF BALL WITH SOIL MIXTURE, ONLY WITH MULCH. ALL BURLAP, ROPE, WIRES, BASKETS, ETC... SHALL BE REMOVED FROM THE SIDES AND TOPS OF BALLS, BUT NO BURLAP SHALL BE PULLED FROM UNDERNEATH.
13. PRUNING: TREES SHALL BE PRUNED, AT THE DIRECTION OF THE OWNER OR OWNER'S REPRESENTATIVE, TO PRESERVE THE NATURAL CHARACTER OF THE PLANT. ALL SOFT WOOD OR SUCKER GROWTH AND ALL BROKEN OR BADLY DAMAGED BRANCHES SHALL BE REMOVED WITH A CLEAN CUT. ALL PRUNING TO BE PERFORMED BY LICENSED ARBORIST, IN ACCORDANCE WITH ANSI A-300.
14. SHRUBS AND GROUND COVER PLANTS SHALL BE EVENLY SPACED IN ACCORDANCE WITH THE DRAWINGS AND AS INDICATED ON THE PLANT LIST. CULTIVATE ALL PLANTING AREAS TO A MINIMUM DEPTH OF 6", REMOVE AND DISPOSE ALL DEBRIS. MIX TOP 4" TO ACHEIVE SOIL MIXTURE AS SPECIFIED IN SECTION E. THOROUGHLY WATER ALL PLANTS AFTER INSTALLATION.
15. TREE GUYING AND BRACING SHALL BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH THE PLANS TO INSURE STABILITY AND MAINTAIN TREES IN AN UPRIGHT POSITION. IF THE CONTRACTOR AND OWNER DECIDE TO WAIVE THE TREE GUYING AND BRACING, THE OWNER SHALL NOTIFY THE LANDSCAPE ARCHITECT IN WRITING AND AGREE TO INDEMNIFY AND HOLD HARMLESS THE LANDSCAPE ARCHITECT IN THE EVENT UNSUPPORTED TREES PLANTED UNDER THIS CONTRACT FALL AND DAMAGE PERSON OR PROPERTY.
16. MULCHING: PROVIDE A THREE INCH (MINIMUM) LAYER OF SPECIFIED MULCH OVER THE ENTIRE AREA OF EACH SHRUB BED, GROUND COVER, VINE BED, AND TREE PIT PLANTED UNDER THIS CONTRACT.
17. HERBICIDE WEED CONTROL: ALL PLANT BEDS SHALL BE KEPT FREE OF NOXIOUS WEEDS UNTIL FINAL ACCEPTANCE OF WORK. IF DIRECTED BY THE OWNER, "ROUND-UP" SHALL BE APPLIED FOR WEED CONTROL BY QUALIFIED PERSONNEL TO ALL PLANTING AREAS IN SPOT APPLICATIONS PER MANUFACTURER'S PRECAUTIONS AND SPECIFICATIONS. PRIOR TO FINAL INSPECTION, TREAT ALL PLANTING BEDS WITH AN APPROVED PRE-EMERGENT HERBICIDE AT AN APPLICATION RATE RECOMMENDED BY THE MANUFACTURER. (AS ALLOWED BY JURISDICTIONAL AUTHORITY)

P. LAWN SODDING

1. THE WORK CONSISTS OF LAWN BED PREPARATION, SOIL PREPARATION, AND SODDING COMPLETE, IN STRICT ACCORDANCE WITH THE SPECIFICATIONS AND THE APPLICABLE DRAWINGS TO PRODUCE A TURF GRASS LAWN ACCEPTABLE TO THE OWNER.
2. LAWN BED PREPARATION: ALL AREAS THAT ARE TO BE SODDED SHALL BE CLEARED OF ANY ROUGH GRASS, WEEDS, AND DEBRIS, AND THE GROUND BROUGHT TO AN EVEN GRADE. THE ENTIRE SURFACE SHALL BE ROLLED WITH A ROLLER WEIGHING NOT MORE THAN ONE-HUNDRED (100) POUNDS PER FOOT OF WIDTH. DURING THE ROLLING, ALL DEPRESSIONS CAUSED BY SETTLEMENT SHALL BE FILLED WITH ADDITIONAL SOIL, AND THE SURFACE SHALL BE REGRADED AND ROLLED UNTIL PRESENTING A SMOOTH AND EVEN FINISH TO THE REQUIRED GRADE.
3. SOIL PREPARATION: PREPARE LOOSE BED FOUR (4) INCHES DEEP. HAND RAKE UNTIL ALL BUMPS AND DEPRESSIONS ARE REMOVED. WET PREPARED AREA THOROUGHLY.
4. SODDING
   - A. THE CONTRACTOR SHALL SOD ALL AREAS THAT ARE NOT PAVED OR PLANTED AS DESIGNATED ON THE DRAWINGS WITHIN THE CONTRACT LIMITS, UNLESS SPECIFICALLY NOTED OTHERWISE.
   - B. THE SOD SHALL BE CERTIFIED TO MEET FLORIDA STATE PLANT BOARD SPECIFICATIONS, ABSOLUTELY TRUE TO VARIETAL TYPE, AND FREE FROM WEEDS, FUNGUS, INSECTS AND DISEASE OF ANY KIND.
   - C. SOD PANELS SHALL BE LAID TIGHTLY TOGETHER SO AS TO MAKE A SOLID SODDED LAWN AREA. SOD SHALL BE LAID UNIFORMLY AGAINST THE EDGES OF ALL CURBS AND OTHER HARDSCAPE ELEMENTS, PAVED AND PLANTED AREAS. ADJACENT TO BUILDINGS, A 24 INCH STONE MULCH STRIP SHALL BE PROVIDED - REFER TO DETAILS. IMMEDIATELY FOLLOWING SOD LAYING, THE LAWN AREAS SHALL BE ROLLED WITH A LAWN ROLLER CUSTOMARILY USED FOR SUCH PURPOSES, AND THEN THOROUGHLY IRRIGATED. IF, IN THE OPINION OF THE OWNER, TOP-DRESSING IS NECESSARY AFTER ROLLING TO FILL THE VOIDS BETWEEN THE SOD PANELS AND TO EVEN OUT INCONSISTENCIES IN THE SOD, CLEAN SAND, AS APPROVED BY THE OWNER'S REPRESENTATIVE, SHALL BE UNIFORMLY SPREAD OVER THE ENTIRE SURFACE OF THE SOD AND THOROUGHLY WATERED IN. FERTILIZE INSTALLED SOD AS ALLOWED BY PROPERTY'S JURISDICTIONAL AUTHORITY.
5. DURING DELIVERY, PRIOR TO, AND DURING THE PLANTING OF THE LAWN AREAS, THE SOD PANELS SHALL AT ALL TIMES BE PROTECTED FROM EXCESSIVE DRYING AND UNNECESSARY EXPOSURE OF THE ROOTS TO THE SUN. ALL SOD SHALL BE STACKED SO AS NOT TO BE DAMAGED BY SWEATING OR EXCESSIVE HEAT AND MOISTURE.
6. LAWN MAINTENANCE:
   - A. WITHIN THE CONTRACT LIMITS, THE CONTRACTOR SHALL PRODUCE A DENSE, WELL ESTABLISHED LAWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR AND RE-SODDING OF ALL ERODED, SUNKEN OR BARE SPOTS (LARGER THAN 12"X12") UNTIL CERTIFICATION OF ACCEPTABILITY BY THE OWNER'S REPRESENTATIVE. REPAIRED SODDING SHALL BE ACCOMPLISHED AS IN THE ORIGINAL WORK (INCLUDING REGRADING IF NECESSARY).
   - B. CONTRACTOR RESPONSIBLE FOR ESTABLISHING AND MAINTAINING SOD/LAWN UNTIL ACCEPTANCE BY THE OWNER'S REPRESENTATIVE. PRIOR TO AND UPON ACCEPTANCE, CONTRACTOR TO PROVIDE WATERING/IRRIGATION SCHEDULE TO OWNER. OBSERVE ALL APPLICABLE WATERING RESTRICTIONS AS SET FORTH BY THE PROPERTY'S JURISDICTIONAL AUTHORITY.

Q. CLEANUP

UPON COMPLETION OF ALL PLANTING WORK AND BEFORE FINAL ACCEPTANCE, THE CONTRACTOR SHALL REMOVE ALL MATERIAL, EQUIPMENT, AND DEBRIS RESULTING FROM HIS WORK. ALL PAVED AREAS SHALL BE BROOM-CLEANED AND THE SITE LEFT IN A NEAT AND ACCEPTABLE CONDITION AS APPROVED BY THE OWNER'S AUTHORIZED REPRESENTATIVE.

R. PLANT MATERIAL MAINTENANCE

ALL PLANTS AND PLANTING INCLUDED UNDER THIS CONTRACT SHALL BE MAINTAINED BY WATERING, CULTIVATING, SPRAYING, AND ALL OTHER OPERATIONS (SUCH AS RE-STAKING OR REPAIRING GUY SUPPORTS) NECESSARY TO INSURE A HEALTHY PLANT CONDITION BY THE CONTRACTOR UNTIL CERTIFICATION OF ACCEPTABILITY BY THE OWNER'S REPRESENTATIVE. MAINTENANCE AFTER THE CERTIFICATION OF ACCEPTABILITY SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS IN THIS SECTION. CONTRACTORS ARE REQUESTED TO PROVIDE A BID ESTIMATE TO COVER LANDSCAPE AND IRRIGATION MAINTENANCE FOR A PERIOD OF 90 CALENDAR DAYS COMMENCING AFTER ACCEPTANCE.

S. MAINTENANCE (ALTERNATE BID ITEM)

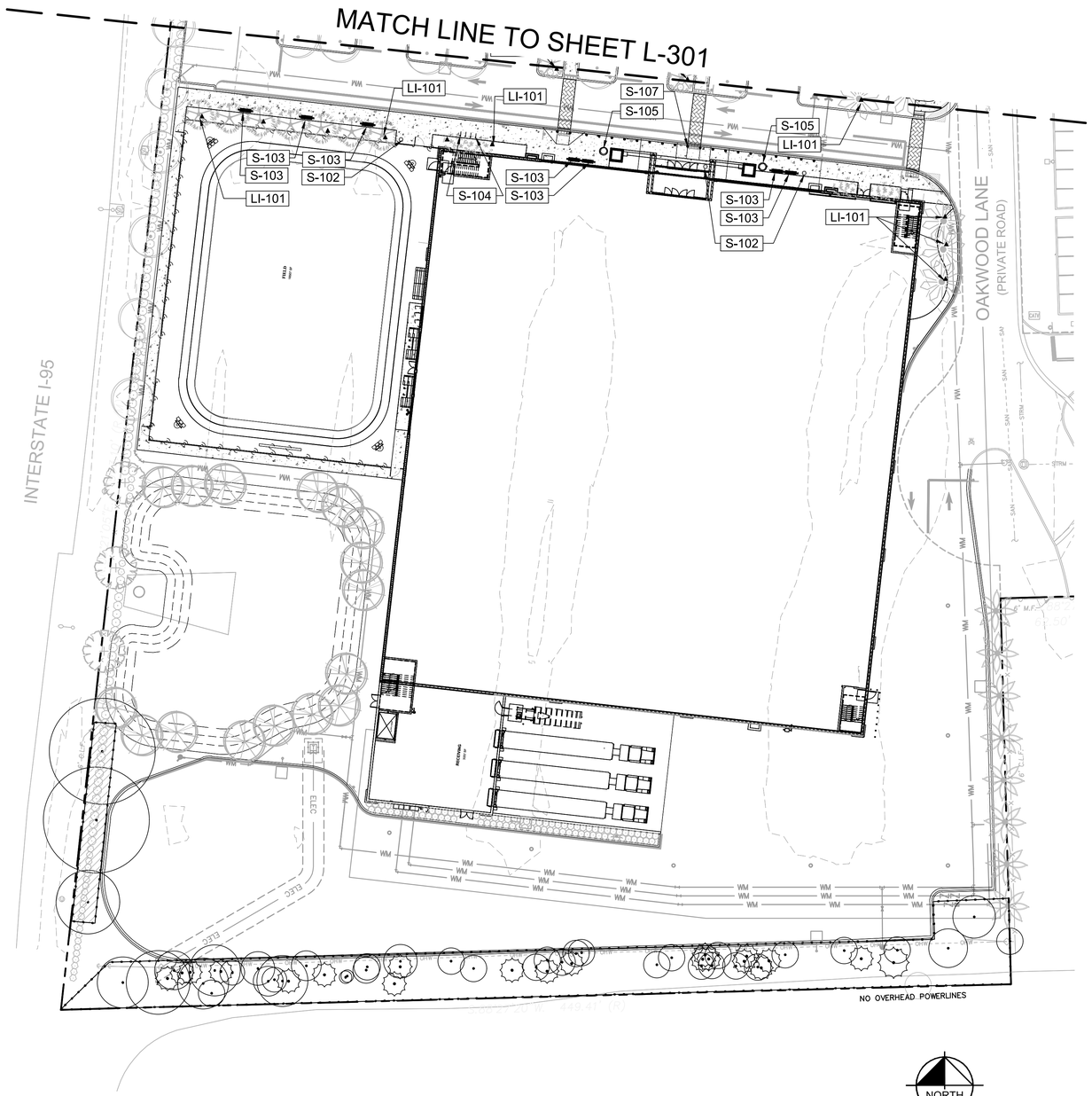
CONTRACTORS ARE REQUESTED TO PROVIDE A BID ESTIMATE FOR MAINTENANCE FOLLOWING THE INITIAL 90-DAY MAINTENANCE PERIOD ON A COST-PER-MONTH BASIS.

T. FINAL INSPECTION AND ACCEPTANCE OF WORK

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

U. WARRANTY

1. THE LIFE AND SATISFACTORY CONDITION OF ALL PLANT MATERIAL INSTALLED BY THE LANDSCAPE CONTRACTOR SHALL BE WARRANTED BY THE CONTRACTOR FOR A MINIMUM OF ONE (1) CALENDAR YEAR COMMENCING AT THE TIME OF CERTIFICATION OF ACCEPTABILITY BY THE OWNER'S REPRESENTATIVE.
2. REPLACEMENT: ANY PLANT NOT FOUND IN A HEALTHY GROWING CONDITION AT THE END OF THE WARRANTY PERIOD SHALL BE REMOVED FROM THE SITE AND REPLACED AS SOON AS WEATHER CONDITIONS PERMIT. ALL REPLACEMENTS SHALL BE PLANTS OF THE SAME KIND AND SIZE AS SPECIFIED IN THE PLANT LIST. THEY SHALL BE FURNISHED PLANTED AND MULCHED AS SPECIFIED UNDER "PLANTING", AT NO ADDITIONAL COST TO THE OWNER.
3. IN THE EVENT THE OWNER DOES NOT CONTRACT WITH THE CONTRACTOR FOR LANDSCAPE (AND IRRIGATION) MAINTENAN



PAVING SCHEDULE

- 6X9, 3 1/8" CROSSWALK VEHICULAR PAVERS FROM BELGARD
  PATTERN: HERRINGBONE
  SEE DETAIL B, SHEET L-350
- 12X24, 3 1/8" PEDESTRIAN PAVERS FROM BELGARD
  PATTERN 1/3 RUNNING BOND, ORIENT AS SHOWN ON PLAN
  SEE DETAIL A, SHEET L-350
- STANDARD GREY CONCRETE WITH BROOM FINISH
  REFER TO CIVIL

REFERENCE NOTES SCHEDULE

SYMBOL	HARDSCAPE DESCRIPTION	QTY	DETAIL
H-101	P.I.P. PLANTER WALL	37 LF	DTL A, SHT L351
H-102	TREE GRATE	4	DTL D, SHT L351

SYMBOL	LIGHTING DESCRIPTION	QTY	DETAIL
LI-101	LANDSCAPE UPLIGHTING	25	DTL D, SHT L352

SYMBOL	SITE FURNISHING DESCRIPTION	QTY	DETAIL
S-101	COVERED BENCH SEATING	3	DTL A, SHT L352
S-102	TRASH RECEPTACLE	5	DTL C, SHT L351
S-103	BENCH SEATING	14	DTL B, SHT L352
S-104	BICYCLE RACK	7	DTL B, SHT L351
S-105	LARGE PLANTER	4	DTL E, SHT L351
S-106	INFORMATION KIOSK	2	DTL F, SHT L351
S-107	BOLLARD	21	DTL C, SHT L352

CALL 48 HOURS BEFORE YOU DIG

IT'S THE LAW! DIAL 811

811 Know what's below. Call before you dig.

SUNSHINE STATE ONE CALL OF FLORIDA, INC.

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY BENJAMIN V. JOHNSON, PLA ON THE DATE ADJACENT TO THE SEAL. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

BENJAMIN V. JOHNSON ★ LICENSE NO. LA6667524 ★ STATE OF FLORIDA LANDSCAPE ARCHITECT

Benjamin V. Johnson

No.	REVISIONS	DATE	BY

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WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

KHA PROJECT 043326005
DATE 9/3/2024
SCALE AS SHOWN
DESIGNED BY NR
DRAWN BY NR
CHECKED BY KD

HARDSCAPE PLAN

OAKWOOD SOUTH RETAIL SHOPPING CENTER

CITY OF HOLLYWOOD FL

SHEET NUMBER
L-300

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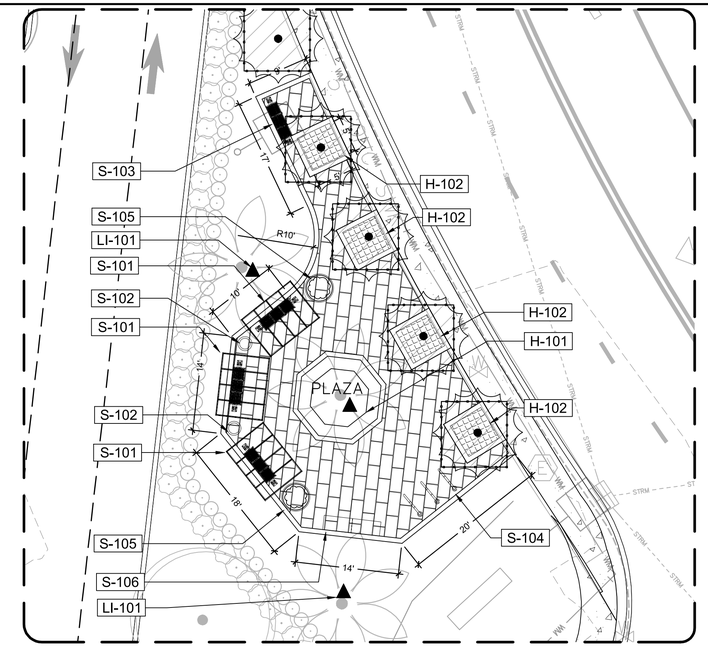

PLAN ENLARGEMENT

GRAPHIC SCALE IN FEET
0 5 10 20

NORTH

GRAPHIC SCALE IN FEET
0 15 30 60

NORTH

PAVING SCHEDULE

6X9, 3 1/8" CROSSWALK VEHICULAR PAVERS FROM BELGARD
PATTERN: HERRINGBONE
SEE DETAIL B, SHEET L-350

12X24, 3 1/8" PEDESTRIAN PAVERS FROM BELGARD
PATTERN 1/3 RUNNING BOND, ORIENT AS SHOWN ON PLAN
SEE DETAIL A, SHEET L-350

STANDARD GREY CONCRETE WITH BROOM FINISH
REFER TO CIVIL

REFERENCE NOTES SCHEDULE

SYMBOL	HARDSCAPE DESCRIPTION	QTY	DETAIL
H-101	P.I.P. PLANTER WALL	37 LF	DTL A, SHT L351
H-102	TREE GRATE	4	DTL D, SHT L351

SYMBOL	LIGHTING DESCRIPTION	QTY	DETAIL
LI-101	LANDSCAPE UPLIGHTING	25	DTL D, SHT L352

SYMBOL	SITE FURNISHING DESCRIPTION	QTY	DETAIL
S-101	COVERED BENCH SEATING	3	DTL A, SHT L352
S-102	TRASH RECEPTACLE	5	DTL C, SHT L351
S-103	BENCH SEATING	14	DTL B, SHT L352
S-104	BICYCLE RACK	7	DTL B, SHT L351
S-105	LARGE PLANTER	4	DTL E, SHT L351
S-106	INFORMATION KIOSK	2	DTL F, SHT L351
S-107	BOLLARD	21	DTL C, SHT L352

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No.	REVISIONS	DATE	BY

Kimley»Horn
445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
PHONE: 772-794-4100
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

BENJAMIN VAN JOHNSON ★ LICENSE NO. LA6667524 ★ STATE OF FLORIDA ★ LANDSCAPE ARCHITECT

Benjamin V. Johnson 9/3/2024

KHA PROJECT 043326005
DATE 9/3/2024
SCALE AS SHOWN
DESIGNED BY NR
DRAWN BY NR
CHECKED BY KD

HARDSCAPE PLAN

OAKWOOD SOUTH RETAIL SHOPPING CENTER

CITY OF HOLLYWOOD FL

SHEET NUMBER
L-301

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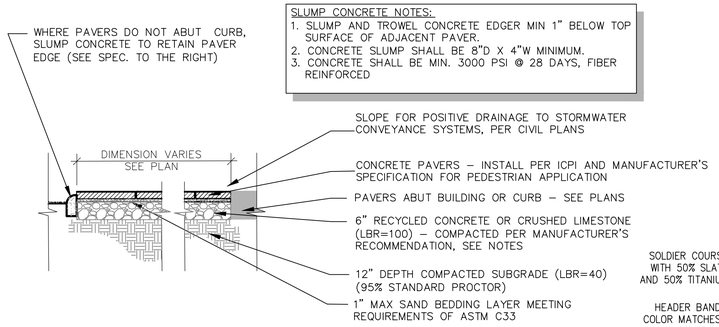
SLUMP CONCRETE NOTES:
1. SLUMP AND TROWEL CONCRETE EDGER MIN 1" BELOW TOP SURFACE OF ADJACENT PAVER.
2. CONCRETE SLUMP SHALL BE 8"D X 4"W MINIMUM.
3. CONCRETE SHALL BE MIN. 3000 PSI @ 28 DAYS, FIBER REINFORCED



CONCRETE PAVERS BY BELGARD (305) 522-0002 – FRANK GONZALEZ

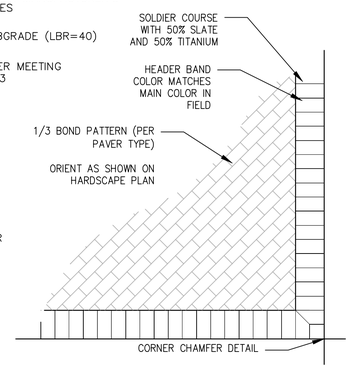
PAVER A
12" X 24" X 2 3/8" MODULINE
PATTER: 75% TITANIUM FINISH: GROUND FACE
25% SLATE FINISH: GROUND FACE
PATTERN: 1/3 RUNNING BOND W/ 8" CONCRETE HEADER BAND
(ORIENT AS SHOWN ON HARDSCAPE PLAN)

CONTRACTOR TO PROVIDE SHOP DRAWINGS, COLOR SAMPLES, AND 10'X10' MOCKUP FOR OWNER'S REP APPROVAL PRIOR TO CONSTRUCTION AS WELL AS SIEVE ANALYSIS FOR JOINT AND BEDDING SAND.

PAVERS SHALL BE SWEPT WITH TECHNISEAL POLYMERIC SAND.

REFER TO CIVIL PLANS FOR GRADING.

REFER TO ICPI TECHNICAL SPECIFICATION NUMBER 2 'CONSTRUCTION OF INTERLOCKING CONCRETE PAVEMENTS' FOR INSTALLATION SPECS.



1/3 RUNNING BOND PATTERN W/ HEADER COURSE PLAN

CONCRETE PAVERS BY BELGARD (305) 522-0002 – FRANK GONZALEZ

PAVER B
6" X 9" X 2 3/8" MODULINE
PATTER: 50% SLATE FINISH: GROUND FACE
50% TITANIUM FINISH: GROUND FACE
PATTERN: HERRINGBONE W/ 8" CONCRETE HEADER BAND
(ORIENT AS SHOWN ON HARDSCAPE PLAN)

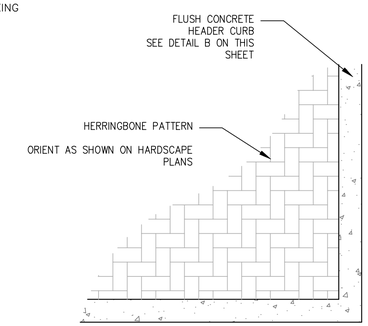
CONTRACTOR TO PROVIDE SHOP DRAWINGS, COLOR SAMPLES, AND 10'X10' MOCKUPS FOR OWNER'S REP APPROVAL PRIOR TO CONSTRUCTION AS WELL AS SIEVE ANALYSIS FOR JOINT AND BEDDING SAND.

PAVERS SHALL BE SWEPT WITH TECHNISEAL POLYMERIC SAND.

REFER TO CIVIL PLANS FOR GRADING.

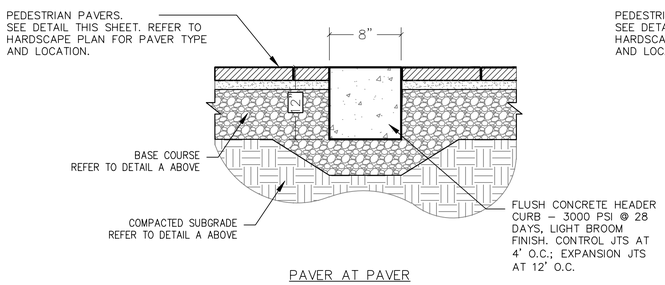
REFER TO ICPI TECHNICAL SPECIFICATION NUMBER 2 'CONSTRUCTION OF INTERLOCKING CONCRETE PAVEMENTS' FOR INSTALLATION SPECS.

*NOTE:
1. CONTRACTOR SHALL SUBMIT DETAILED, (SIGNED AND SEALED) ENGINEERED SHOP DRAWINGS FOR REVIEW AND ACCEPTANCE BY THE CLIENT, CIVIL ENGINEER, AND LANDSCAPE ARCHITECT PRIOR TO PROCUREMENT, FABRICATION, AND INSTALLATION. PAVERS MUST MEET ALL FLORIDA BUILDING CODE SLIP COEFFICIENT REQUIREMENTS.
2. CONTRACTOR SHALL PROVIDE MOCK-UP AND SAMPLES FOR REVIEW AND ACCEPTANCE BY THE CLIENT, CIVIL ENGINEER, LANDSCAPE ARCHITECT, AND PRODUCT MANUFACTURER PRIOR TO PROCUREMENT, FABRICATION, AND INSTALLATION. MOCK-UP SHALL BE ITERATIVE AND RE-WORKED UP TO (3) THREE TIMES BY CONTRACTOR AT NO ADDITIONAL COST TO OWNER UNTIL ACCEPTED BY CLIENT, CIVIL ENGINEER, LANDSCAPE ARCHITECT AND PRODUCT MANUFACTURER.
3. CONTRACTOR SHALL SUBMIT PRODUCT DATA FOR REVIEW AND ACCEPTANCE BY THE CLIENT, CIVIL ENGINEER, AND LANDSCAPE ARCHITECT PRIOR TO PROCUREMENT, FABRICATION, AND INSTALLATION.

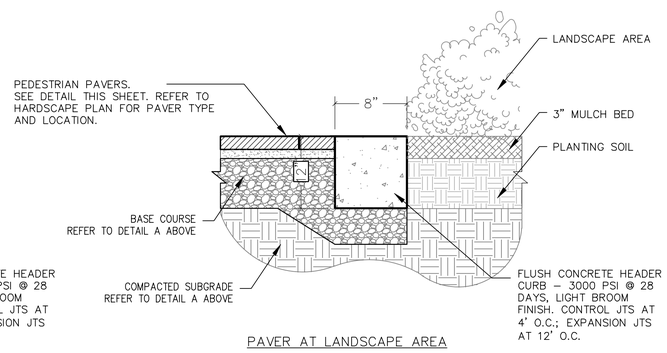


HERRINGBONE PATTERN W/ 8" FLUSH CONCRETE BAND PLAN

A CONCRETE PAVERS – PEDESTRIAN
SECTION AND PLAN

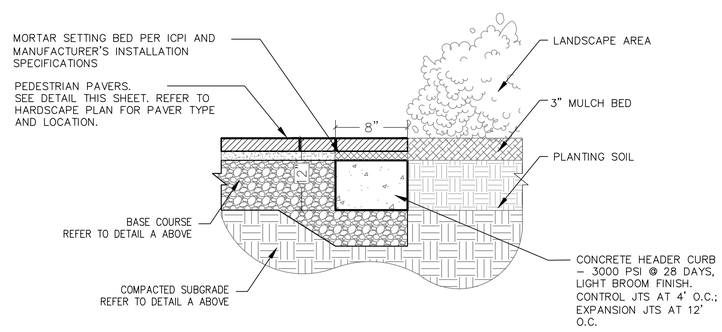


PAVER AT PAVER



PAVER AT LANDSCAPE AREA

B FLUSH CONCRETE HEADER CURB
SECTION



PAVER AT LANDSCAPE AREA

C FLUSH PAVER HEADER COURSE
SECTION

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No.	REVISIONS	DATE	BY

Kimley»Horn
445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
PHONE: 772-794-4100
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

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BENJAMIN V. JOHNSON LICENSE NO. LA6667524 STATE OF FLORIDA LANDSCAPE ARCHITECT

Benjamin V. Johnson

KHA PROJECT	043326005
DATE	9/3/2024
SCALE	AS SHOWN
DESIGNED BY	NR
DRAWN BY	NR
CHECKED BY	KD

PAVING DETAILS

OAKWOOD SOUTH RETAIL SHOPPING CENTER
CITY OF HOLLYWOOD FL

SHEET NUMBER
L-350

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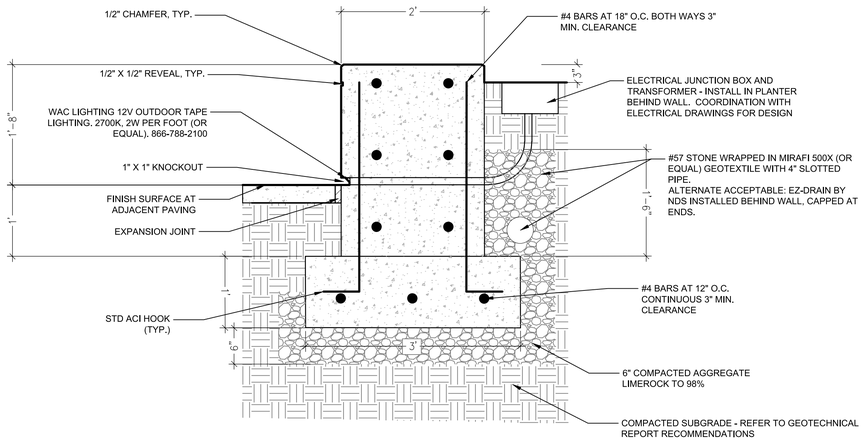
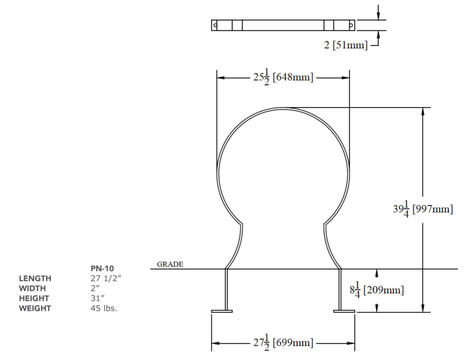


A 20" P.I.P. CONCRETE PLANTER WALL

SECTION

NOT TO SCALE



	PN-10
LENGTH	27 1/2"
WIDTH	2"
HEIGHT	31"
WEIGHT	45 lbs.

MANUFACTURER: KEYSTONE RIDGE
www.keystoneridgedesigns.com
(724) 284-1213

MODEL: PENN PN-10
(WITH CUSTOM LOGO MODIFICATION.
COORDINATE WITH OWNER FOR ARTWORK)

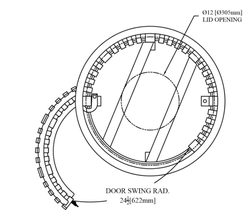
SIZE: 2 SPOTS
LENGTH: 27.5"
WIDTH: 2"
HEIGHT: 31"

COLOR: CHARCOAL. SUBMIT CUT SHEET AND COLOR CHART FOR APPROVAL.

NOTES: EMBEDDED MOUNT SET IN CONCRETE PAD, PER MANUFACTURER

B BIKE RACK

NOT TO SCALE



MANUFACTURER: KEYSTONE RIDGE
www.keystoneridgedesigns.com
(724) 284-1213

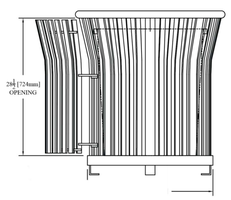
MODEL: HARMONY – HIIID-32

SIZE: LENGTH: 31"
WIDTH: 31"
HEIGHT: 34"

COLOR: BRONZE OR OWNER APPROVED

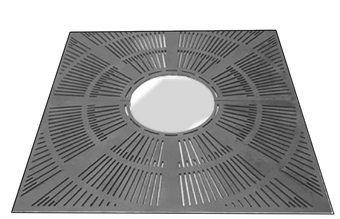
NOTES: INSTALL PER MANUFACTURER'S SPECIFICATIONS

EMBEDDED MOUNT PER MANUFACTURER.



C TRASH AND RECYCLE RECEPTACLE

NOT TO SCALE



MANUFACTURER: KEYSTONE RIDGE
www.keystoneridgedesigns.com
(724) 284-1213

MODEL: HARMONY – HIIID-32

SIZE: LENGTH: 31"
WIDTH: 31"
HEIGHT: 34"

COLOR: BRONZE OR OWNER APPROVED

NOTES: INSTALL PER MANUFACTURER'S SPECIFICATIONS

EMBEDDED MOUNT PER MANUFACTURER.

D TREE GRATE

NOT TO SCALE

MANUFACTURER: JAY SCOTTS
jayscotts.com
(954) 922 – 3939

MODEL: SEE BELOW

SIZES: SMALL POT: ALZIRA 23"x23"x22"
LARGE POT: ALZIRA 36"x36"x34"

COLOR: TO BE SELECTED BY OWNER FROM MANUFACTURER'S FULL RANGE

NOTES: INSTALL 12" DEEP DRAINAGE STONE IN BOTTOM OF POT WITH LANDSCAPE FILTER FABRIC FOR MEDIAN SEPARATION. ALL POTS TO BE FURNISHED WITH DRAINAGE HOLES.

*NOTE:
1. CONTRACTOR SHALL SUBMIT PRODUCT DATA FOR REVIEW AND ACCEPTANCE BY THE CLIENT, CIVIL ENGINEER, AND LANDSCAPE ARCHITECT PRIOR TO PROCUREMENT, FABRICATION, AND INSTALLATION.

E FREESTANDING PLANTER POT

NOT TO SCALE

MANUFACTURER: Floor Stands
floorstands.com
(844) 409 – 1131

MODEL: SEE BELOW

SIZES: Eco-Design 6-sided Multi-View Kiosk

COLOR: TO BE APPROVED BY OWNER

NOTES: INSTALL PER MANUFACTURES IN GROUND POST MOUNT OPTION WITH LED LIGHTING.

F INFORMATION KIOSK

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No.	REVISIONS	DATE	BY

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445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
PHONE: 772-794-4100
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

KHA PROJECT 043326005
DATE 9/3/2024
SCALE AS SHOWN
DESIGNED BY NR
DRAWN BY NR
CHECKED BY KD

MANUFACTURER DETAILS

OAKWOOD SOUTH RETAIL SHOPPING CENTER
CITY OF HOLLYWOOD FL

SHEET NUMBER
L-351

Kaleidoscope OS — Product Drawing

landscapeforms•

Shelter, Two Post, Offset Canopy, Solid panels, Below Grade Mount

www.landscapeforms.com Ph: 800.521.2546

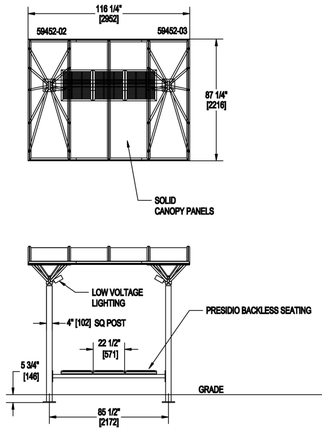
ATTACHED PRESIDIO BACKLESS SEATING, NO ARMS; LOW VOLTAGE LIGHTING

NOTE:
SEE KALEIDOSCOPE INSTALLATION GUIDE FOR FOOTING DETAILS.

LOW VOLTAGE LIGHTING OPTION:
WIRING AND BULB NOT INCLUDED

_____ APPROVED
_____ REVISE AND RESUBMIT
_____ REJECTED
COMMENTS MADE ON THESE SUBMITTALS ARE FOR INFORMATION ONLY. ANY CHANGES REQUIRE RE-SUBMITTAL AND APPROVAL. CUSTOMER IS RESPONSIBLE FOR CONFIRMING ALL QUANTITIES, DIMENSIONS, AND INSTALLATION TECHNIQUES.

BY: _____ DATE:_____



Drawing: KA540-06
Date: 05/20/2011
Dimensions are in Inches[mm]
U.S. Patent Nos. D420,812; D421,132; D412,993; D413,314

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MANUFACTURER: LANDSCAPE FORMS
www.landscapeforms.com
(800) 521-2546

MODEL: Kaleidoscope
Backless Presido Seat

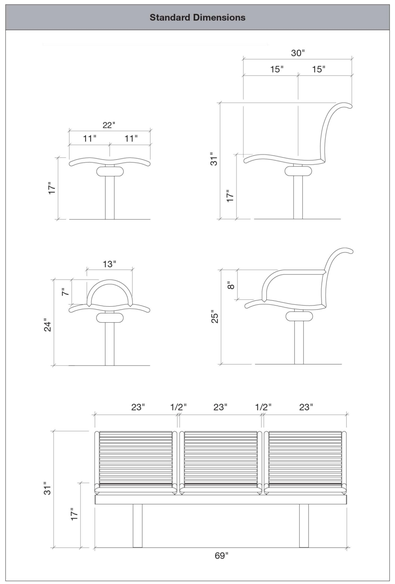
SIZE: 1 Bay
LENGTH: 116 1/4"
WIDTH: 87 1/4"
HEIGHT: 106 1/2"

COLOR: BRONZE. SUBMIT CUT SHEET AND COLOR CHART FOR APPROVAL.

NOTES: BELOW GRADE MOUNT PER MANUFACTURER

A COVERED BENCH SEATING

NOT TO SCALE



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www.landscapeforms.com
(800) 521-2546

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Backless Presido Seat

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LENGTH: 116 1/4"
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HEIGHT: 106 1/2"

COLOR: BRONZE. SUBMIT CUT SHEET AND COLOR CHART FOR APPROVAL.

NOTES: BELOW GRADE MOUNT PER MANUFACTURER

B BENCH SEATING

NOT TO SCALE

Missing or invalid reference
File: I:\Publix\2024 Publix Standards\5-40-MCCUE BOLLARD DETAILS.pdf
Sheet: 1

C BOLLARD

NOT TO SCALE

page 2

TCRS / TCRL TRACER FLOOD

POWER AND LUMENS

Light Engine		TCRS5	TCRS8	TCRL15	TCRL20	TCRL26
Power (Watts)		5.0	8.0	12.0	17.6	25.1
Input Current @ 120V (A)		0.04	0.07	0.10	0.15	0.22
Input Current @ 277V (A)		0.02	0.03	0.05	0.07	0.10
Configuration						
Spot (20°)	4000K/5000K Lumens	530	812	1,500	2,039	2,718
	3000K Lumens	512	785	1,450	1,971	2,628
Medium (30°)	4000K/5000K Lumens	552	846	1,630	2,215	2,953
	3000K Lumens	533	818	1,575	2,141	2,854
Wide (50°)	4000K/5000K Lumens	561	860	1,657	2,251	3,002
	3000K Lumens	542	831	1,602	2,176	2,902

LUMEN MAINTENANCE

Ambient Temperature	TM-21 Lumen Maintenance (60,000 Hours)	Theoretical L70 (Hours)
Up to 40°C	90%	153,000

LUMEN MULTIPLIER

Ambient Temperature	Lumen Multiplier
10°C	1.02
15°C	1.01
25°C	1.00
40°C	0.97

ORDERING INFORMATION

Sample Number: TCRS5S-WH-7050

Product Family [1]	Light Engine	Distribution
TCRS=Tracer Flood Small LED **TCRL**=Tracer Flood Large LED	**TCRS** **5**=5W, 550 Nominal Lumens **8**=8W, 850 Nominal Lumens **TCRL** **15**=15W, 1,600 Nominal Lumens **20**=20W, 2,200 Nominal Lumens **26**=26W, 2,900 Nominal Lumens	**S**=Spot **M**=Medium **W**=Wide
Options (Add as Suffix) [2]		
[blank]=Carbon Bronze (Standard) **BK**=Black **VG**=Verde Green **WH**=White **7030**=70 CRI / 3000K CCT **7050**=70 CRI / 5000K CCT		

NOTES: 1. DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details. 2. Extended lead times apply to any options selected.

STOCK ORDERING INFORMATION

Stock SKUs	
Small	**Large**
TCRS5S=Tracer Small 5W, 550 lumens, Spot Distribution	**TCRL15S**=Tracer Large 15W, 1,600 lumens, Spot Distribution
TCRS5M=Tracer Small 5W, 550 lumens, Medium Distribution	**TCRL15M**=Tracer Large 15W, 1,600 lumens, Medium Distribution
TCRS5W=Tracer Small 5W, 550 lumens, Wide Distribution	**TCRL20M**=Tracer Large 20W, 2,200 lumens, Medium Distribution
TCRS8S=Tracer Small 8W, 850 lumens, Spot Distribution	**TCRL26S**=Tracer Large 26W, 2,900 lumens, Spot Distribution
TCRS8M=Tracer Small 8W, 850 lumens, Medium Distribution	**TCRL26M**=Tracer Large 26W, 2,900 lumens, Medium Distribution
TCRS8W=Tracer Small 8W, 850 lumens, Wide Distribution	

NOTES: Options not available with stock products. Refer to standard ordering information to add options. Stock fixture is 4000K, dimming, 120-277V, carbon bronze only.

COOPER Lighting Solutions

Cooper Lighting Solutions
1121 Highway 16 South
Peachtree City, GA 30269
P: 770-486-4800
www.cooperlighting.com

Specifications and dimensions subject to change without notice.

TD506033EN
September 30, 2019 9:40 AM

MANUFACTURER: Cooper Lighting Solutions
www.designlights.com
(770) 486-4800

MODEL: Lumark Flood Light
TCRL20M

COLOR: CARBON BRONZE. SUBMIT CUT SHEET AND COLOR CHART FOR APPROVAL.

NOTES: BELOW GRADE MOUNT PER MANUFACTURER

TCRS / TCRL
TRACER

D LANDSCAPE LIGHTING

NOT TO SCALE

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WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

KHA PROJECT 043326005
DATE 9/3/2024
SCALE AS SHOWN
DESIGNED BY NR
DRAWN BY NR
CHECKED BY KD

MANUFACTURER DETAILS

OAKWOOD SOUTH RETAIL SHOPPING CENTER
CITY OF HOLLYWOOD FL

SHEET NUMBER
L-352

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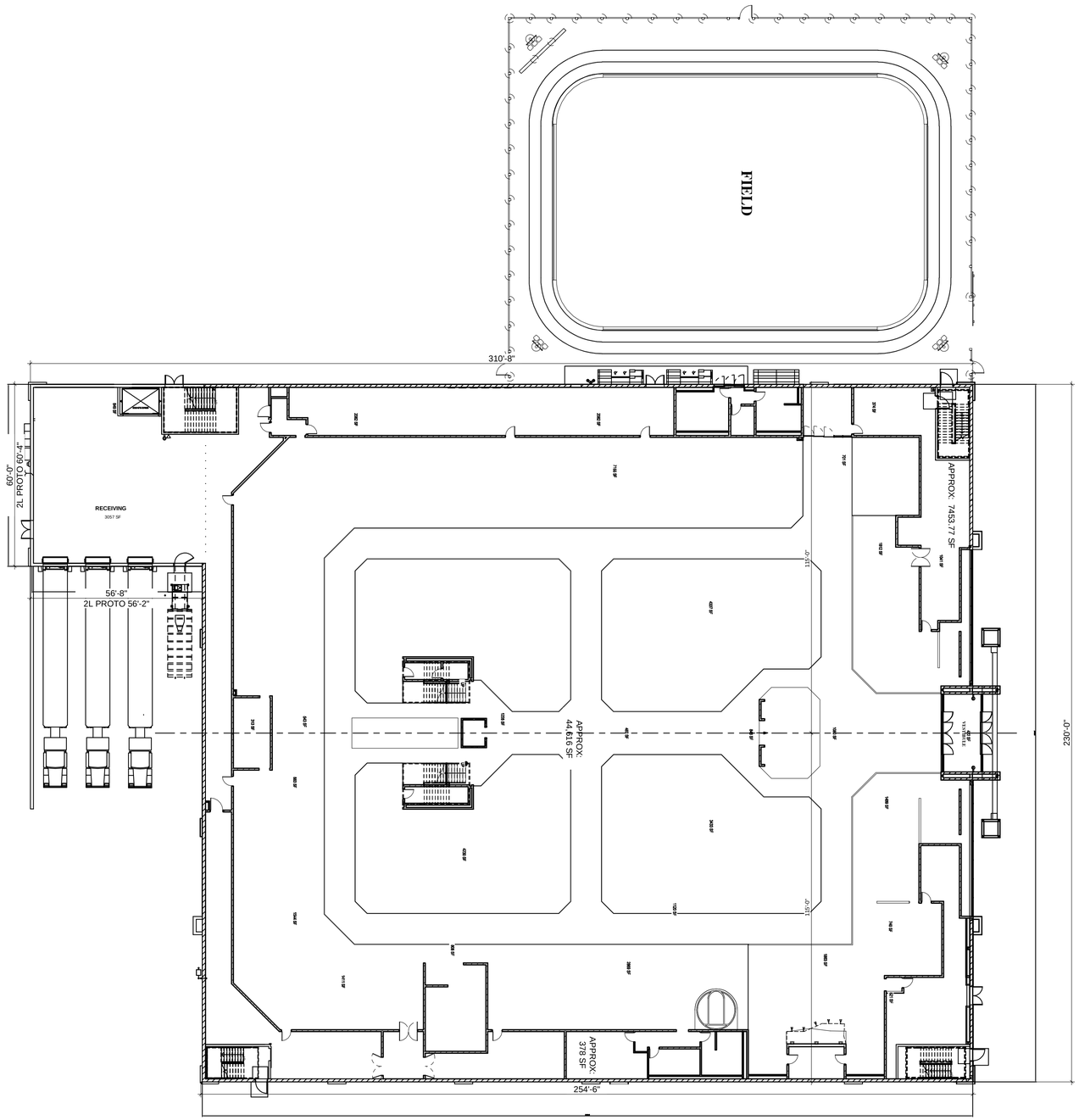

FIRST FLOOR

1 / F1.1S

1/16" = 1'-0"

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No.	REVISIONS	DATE	BY

Kimley»Horn

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445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
PHONE: 772-794-4100
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

GREGORY D. WILFONG
LICENSE
No. 63166
STATE OF FLORIDA
PROFESSIONAL ENGINEER

KHA PROJECT 147507131

DATE 9/13/2024

SCALE AS SHOWN

DESIGNED BY XXX

DRAWN BY XXX

CHECKED BY XXX

FIRST FLOOR PLAN

OAKWOOD SOUTH RETAIL SHOPPING CENTER

CITY OF HOLLYWOOD FL

SHEET NUMBER

EX-01

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY GREGORY D. WILFONG, P.E. ON THE DATE ADJACENT TO THE SEAL. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE DIGITAL SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

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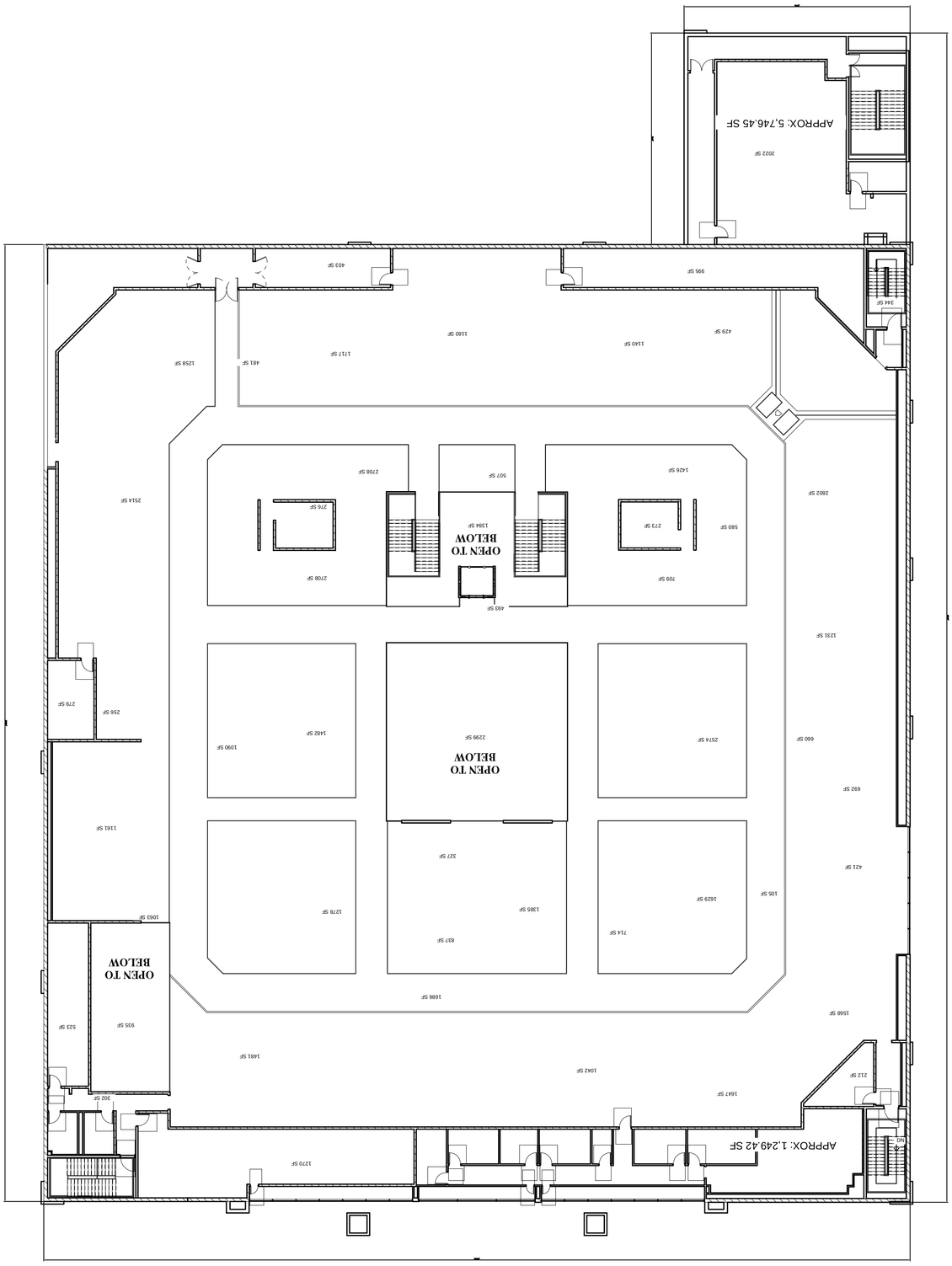
1 FL25

SECOND FLOOR

1/16" = 1'-0"



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SHEET NUMBER
EX-02

OAKWOOD SOUTH RETAIL SHOPPING CENTER
CITY OF HOLLYWOOD FL

SECOND FLOOR PLAN

KHA PROJECT	147507131
DATE	9/13/2024
SCALE	AS SHOWN
DESIGNED BY	XXX
DRAWN BY	XXX
CHECKED BY	XXX

STATE OF FLORIDA PROFESSIONAL ENGINEER GREGORY D. WILFONG No. 63166

Kimley»Horn

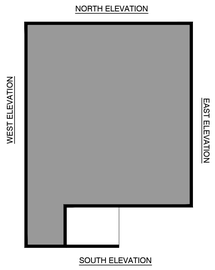
© 2024 KIMLEY-HORN AND ASSOCIATES, INC.
445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
PHONE: 772-794-4100
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

No.	REVISIONS	DATE	BY

EXTERIOR MATERIALS

ACM-1	RAINSCREEN METAL PANEL SYSTEM MANUF: CITADEL OR EQUAL PRODUCT: ENVELOPE 2000 RS OR EQUAL COLOR: MATCH KAWNEER HARTFORD GREEN
ACM-3	ACM PANELS - ALPOLIC COLOR: TO MATCH KAWNEER DARK BRONZE
BRK-1	½" MODULAR THIN BRICK REFER TO SPECIFICATION FOR ACCEPTABLE MANUFACTURERS MORTAR - SPEC MIX SM250 'ANTIQUE WHITE'
BRK-2	½" MODULAR THIN BRICK BELDEN BRICK COLOR: BLACK DIAMOND VELOUR MORTAR - SPEC MIX SM800 'BLACK'
CAP-1	COLUMN CAPITAL SUPPLIED BY VENDOR #24, INSTALLED BY G.C. COLOR: MATCH SW 0028 CAEN STONE
CONC	CAST IN PLACE CONCRETE WITH PARGED HAND RUBBED FINISH
CMU-3	SMOOTH-FACED, STANDARD GRAY DRYBLOCK, SEE SPEC. FINISH = POLYMER MODIFIED CEMENT PARGE, SEE SPEC
CNPY-2	MAPES PREFABRICATED METAL CANOPY W/ TIE RODS OR APPROVED EQUAL COLOR = TO MATCH KAWNEER DARK BRONZE
CPNG-2	PREFINISHED METAL COPING, SEE SPECIFICATIONS COLOR = TO MATCH KAWNEER DARK BRONZE
DOOR-1	ALUMINUM SLIDING DOOR, SEE SPECIFICATIONS - COLOR= KAWNEER DARK BRONZE
DS-1	PRE-FINISHED METAL DOWNSPOUT - COLOR: TO MATCH KAWNEER DARK BRONZE
EIFS-1	1 1/2" EXTERIOR INSULATION FINISH SYSTEM, SEE SPECIFICATIONS COLOR = MATCH COLOR #449 BUCKSKIN, PEBBLE FINE FINISH
GLAZ-1	EXTERIOR CURTAINWALL COLOR= KAWNEER DARK BRONZE
LIGHT	EXTERIOR LIGHT FIXTURE - REFER TO REFLECTED CEILING AND ELECTRICAL PLANS, TYP.
PAINT-1	EXTERIOR PAINT, SEE SPECIFICATIONS COLOR = (P-78)
PAINT-2	EXTERIOR PAINT, SEE SPECIFICATIONS COLOR = MATCH RED BRICK (P-52) DSG BELDON
PAINT-3	EXTERIOR PAINT, SEE SPECIFICATIONS COLOR = TO MATCH (EIFS-2)
SIGN-1	INDIVIDUAL LETTER SIGNAGE w/ INTERNALLY ILLUMINATED LETTERS, SUPPLIED AND INSTALLED BY VENDOR #8
FILM	WINDOW SECURITY FILM; REFER TO A5.2

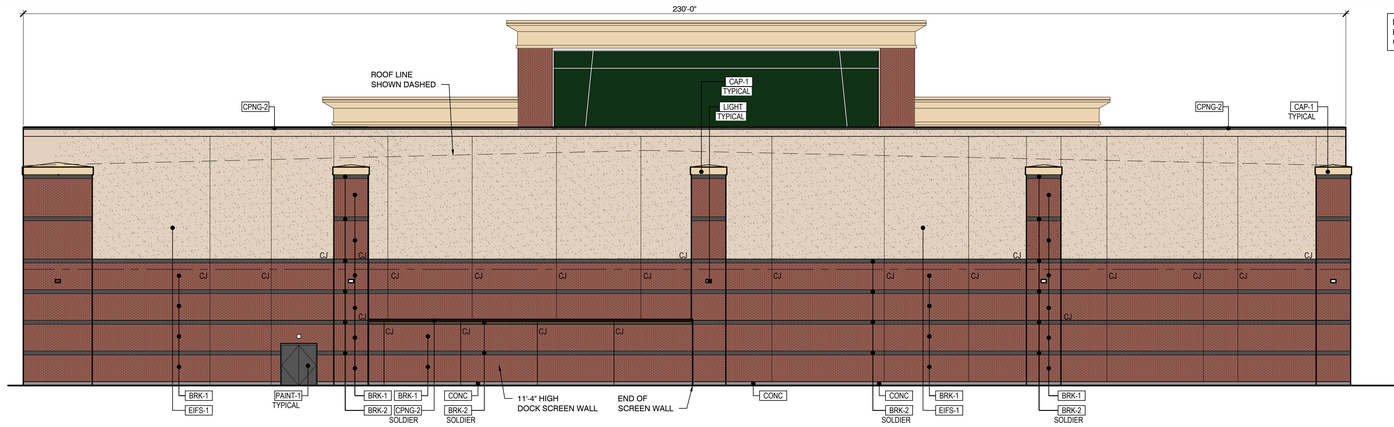
EXTERIOR MATERIAL LEGEND — SCALE 3/32" = 1' - 0" — -



KEY PLAN — SCALE N.T.S. — -

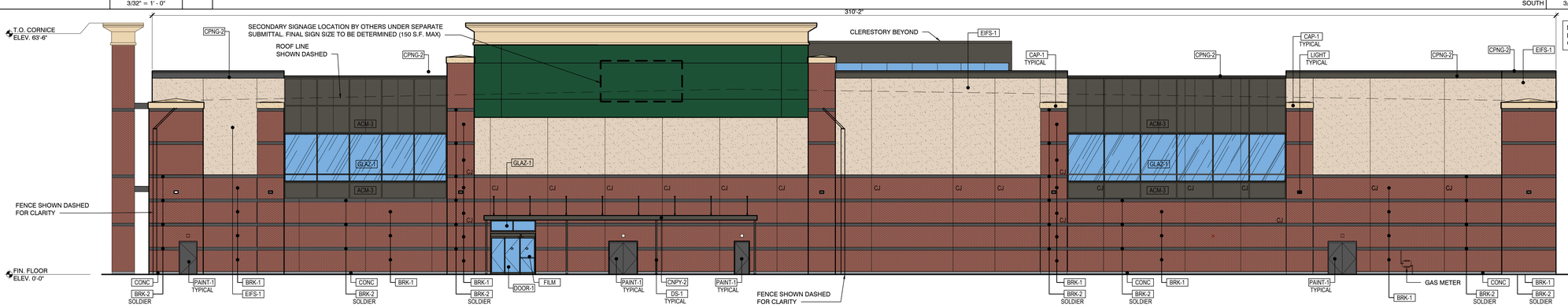
NOTE: ALL SIGNAGE SHALL BE IN COMPLIANCE WITH THE OAKWOOD SIGN REGULATIONS

EXTERIOR ELEVATION NORTH — SCALE 3/32" = 1' - 0" — NORTH



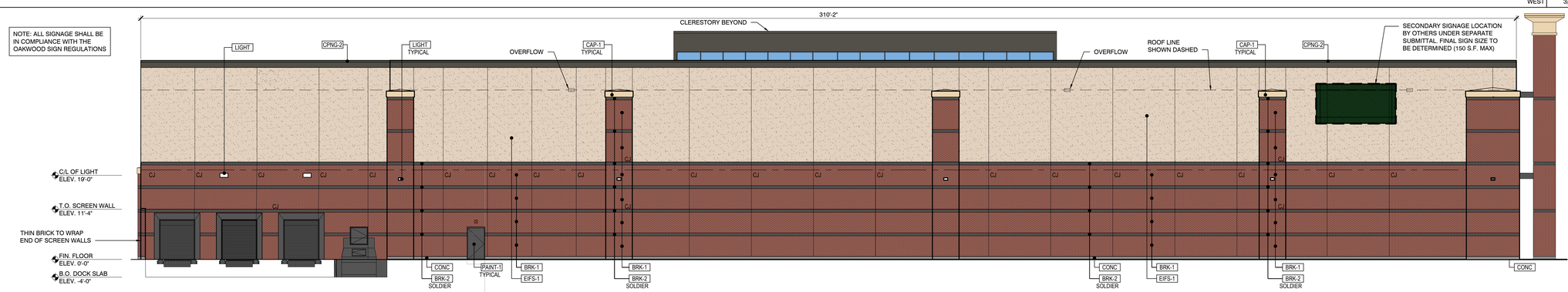
NOTE: ALL SIGNAGE SHALL BE IN COMPLIANCE WITH THE OAKWOOD SIGN REGULATIONS

EXTERIOR ELEVATION SOUTH — SCALE 3/32" = 1' - 0" — SOUTH



NOTE: ALL SIGNAGE SHALL BE IN COMPLIANCE WITH THE OAKWOOD SIGN REGULATIONS

EXTERIOR ELEVATION WEST — SCALE 3/32" = 1' - 0" — WEST



NOTE: ALL SIGNAGE SHALL BE IN COMPLIANCE WITH THE OAKWOOD SIGN REGULATIONS

EXTERIOR ELEVATION EAST — SCALE 3/32" = 1' - 0" — EAST

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CLEVELAND DENVER GLENDORA IRVINE ORLANDO PHOENIX SAN FRANCISCO

Seal:

A Project for:

RETAIL REDEVELOPMENT
OAKWOOD SOUTH RETAIL SHOPPING CENTER
2800 OAKWOOD BLVD.
HOLLYWOOD, FL 33020

Client:

KIMCO REALTY

1 OAKWOOD BOULEVARD, SUITE 70
HOLLYWOOD, FL 33020

Revisions:

CLIENT REVIEW	09-13-2024

No.	Description	Date

Project No.:	24.251.01
Drawn By:	-
Reviewed By:	-
Scale:	AS NOTED
Date:	09-13-2024
Filename:	

Sheet Title:

PROPOSED EXTERIOR ELEVATIONS

Sheet #:

A300

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EXTERIOR RENDERING
SCENE 1

SCALE
N/A

1

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Revisions:

CLIENT REVIEW	07-09-2024

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Scale:	-
Date:	09-13-2024
Filename:	

Sheet Title:

PROPOSED
EXTERIOR RENDERING

Sheet #:

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EXTERIOR RENDERING
SCENE 2

SCALE
N/A

2

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Sheet Title:

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Sheet #:

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EXTERIOR RENDERING
SCENE 3

SCALE
N/A

3

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OAKWOOD SOUTH RETAIL SHOPPING CENTER
RETAIL REDEVELOPMENT

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Filename:	

Sheet Title:

PROPOSED
EXTERIOR RENDERING

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EXTERIOR RENDERING

SCENE 4

SCALE
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4

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Revisions:

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Filename:	

Sheet Title:

PROPOSED
EXTERIOR RENDERING

Sheet #:

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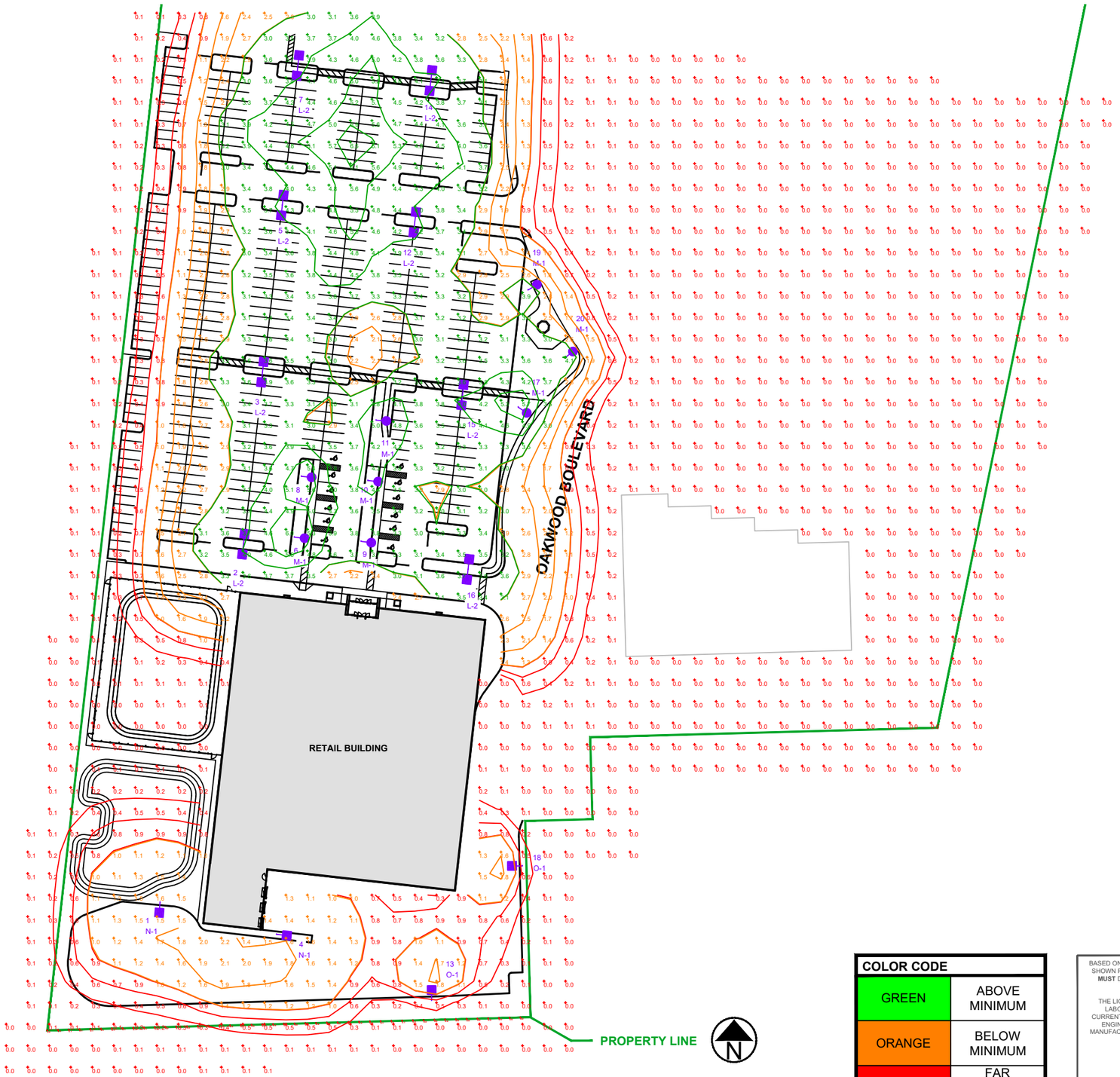
OAKWOOD PLAZA SOUTH PROPOSED PHOTOMETRIC PLAN

SCALE: NTS



COLOR CODE	
GREEN	ABOVE MINIMUM
ORANGE	BELOW MINIMUM
RED	FAR BELOW MINIMUM

BASED ON THE INFORMATION PROVIDED, ALL DIMENSIONS AND LUMINAIRE LOCATIONS SHOWN REPRESENT RECOMMENDED POSITIONS. THE ENGINEER AND/OR ARCHITECT **MUST** DETERMINE APPLICABILITY OF THE LAYOUT TO EXISTING OR FUTURE FIELD CONDITIONS.

THE LIGHTING PATTERN REPRESENTS ILLUMINATION LEVELS CALCULATED FROM LABORATORY DATA TAKEN UNDER THE CONTROLLED CONDITIONS UTILIZING CURRENT INDUSTRY STANDARD LAMP RATINGS IN ACCORDANCE WITH ILLUMINATING ENGINEERING SOCIETY APPROVED METHODS. ACTUAL PERFORMANCE OF ANY MANUFACTURER'S LUMINAIRE MAY VARY DUE TO VARIATION IN ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS, AND OTHER VARIABLE FIELD CONDITIONS.

FOR ADDITIONAL LIGHTING INFORMATION CONTACT:

On-Site Lighting & Survey, LLC

PH: 763.684.1548

On-Site Lighting & Survey, LLC

COMPANY INFO

1111 HIGHWAY 25 NORTH
SUITE 201
BUFFALO MN 55313

PH:763.684.1548
FAX:763.682.9048

KIMCO REALTY

PROJECT INFO

OAKWOOD PLAZA SOUTH

2910 OAKWOOD BLVD
HOLLYWOOD, FL 33020

ENGINEER INFO

ENGINEER SEAL

REVISIONS

#	DATE	INIT	DESCRIPTION
1	07.09.2024	DMW	LANDSCAPING CONFLICTS

SHEET DESCRIPTION

PROPOSED PHOTOMETRIC PLAN

PROJECT # 111500

	07.02.2024
DESIGN LEVEL	3
AGI	D.M.WARZECKA
CAD	D.M.WARZECKA
SHEET#:	SL200
REV #:	1

OAKWOOD PLAZA SOUTH PROPOSED SCHEDULES

LUMINAIRE SCHEDULE

Symbol	Qty	Label	Arrangement	LLF	Description	BUG Rating
	8	L-2	Back-Back	0.900	NEW POLE AND AREA FIXT 339W LED T5LS 40'-0 MTG HT (4000K/47005 LUMENS) VISIONAIRE VMX-II_T5LS_45L_4K	B5-U0-G4
	8	M-1	Single	0.900	NEW POLE AND AREA FIXTURE 65W LED T5LS 15'-0 MTG HT (4000K/9719 LUMENS) VISIONAIRE ODN-1_T5LS_10L_4K	B4-U0-G2
	2	N-1	Single	0.900	NEW POLE AND AREA FIXT 277W LED T5LS 40'-0 MTG HT (4000K/40771 LUMENS) VISIONAIRE VMX-II_T5LS_40L_4K	B5-U0-G4
	2	O-1	Single	0.900	NEW POLE AND AREA FIXT 277W LED T5LS HS 40'-0 MTG HT (4000K/11292 LUMENS) VISIONAIRE VMX-II_T5LS_40L_4K_HS	B1-U0-G2

LPD AREA SUMMARY

Label	Area	Total Watts	LPD	Perimeter
MAIN PARKING	114110	5071	0.044	1884

CALCULATION SUMMARY

Label	Avg	Max	Min	Avg/Min	Max/Min	# Pts	%PtsRange
ALL CALC POINTS AT GRADE	1.07	6.5	0.0	N.A.	N.A.	1743	N.A.
PROPERTY LINE - RESIDENTIAL	0.20	0.5	0.0	N.A.	N.A.	45	N.A.
MAIN PARKING	3.62	6.5	1.5	2.41	4.33	283	79.9

COLOR CODE	
GREEN	ABOVE MINIMUM
ORANGE	BELOW MINIMUM
RED	FAR BELOW MINIMUM

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ENGINEER INFO

ENGINEER SEAL

REVISIONS

#	DATE	INIT	DESCRIPTION
1	07.09.2024	DMW	LANDSCAPING CONFLICTS

SHEET DESCRIPTION

PROPOSED SCHEDULES

PROJECT # 111500

07.02.2024

DESIGN LEVEL 3

AGI D.M.WARZECKA

CAD D.M.WARZECKA

SHEET#: SL201 REV #: 1