EXISTING TREE LEGEND

	EXISTING TREE TO REMAIN REFER TO VEGETATION LIST SHEET L-2 FOR MORE INFORMATION
	EXISTING PALM TO REMAIN REFER TO VEGETATION LIST SHEET L-2 FOR MORE INFORMATION
X	EXISTING TREE / PALM TO BE REMOVED
	TREE PROTECTION FENCING; REFER TO TREE PROTECTION DETAIL SHEET L-2

IT IS RECOMMENDED TO USE SHREDDING, CHIPPING, AND/OR OFF-SITE WOOD LOGGING AS AN ENVIRONMENTALLY FRIENDLIER ALTERNATIVE TO BURNING OF EXISTING VEGETATION TO BE REMOVED..

RE-RESIDENTIAL ESTATE
PROPERTY LINE
S 00°52'30" E 1501.10'
20' LANDSCAPE BUFFER
GU-GENERAL USE
EXISTING TREE CANOPY TO REMAIN
(CONSERVATION AREA)
(855,135 SF - 37%)
EXISTING WETLAND
WETLANDS
UPLAND BUFFER #2
WB-2
37,992 SQ.FT
0.87 AC
PROPERTY LINE
S 01°06'44" E 514.38'
20' LANDSCAPE BUFFER
UPLAND BUFFER #1
WB-1
2,178 SQ.FT
0.05 AC
EXISTING WETLAND
EXISTING UPLAND
EXISTING UPLAND
REFER TO CIVIL PLANS FOR CONSERVATION AREA PROTECTIVE BARRIER (TYP.)
UPLAND BUFFER #3
WB-3
1,724 SQ.FT
0.04 AC
UPLAND BUFFER #4 WB-4
10,629 SQ.FT
0.24 AC
PROPERTY LINE
S 89°05'06" W 1354.82'
20' LANDSCAPE BUFFER
KNOX MCRAE DRIVE
PROPOSED LAKE
EXISTING LAKE
PROPOSED LAKE
PROPOSED LAKE
EXISTING WETLAND
EXISTING WETLAND
UNDEVELOPED / EXISTING VEGETATION
(ZONED R-1B SINGLE FAMILY RESIDENTIAL MEDIUM DENSITY)
UPLAND BUFFER
WB-5
6171 SQFT
0.14 AC
20' LANDSCAPE BUFFER
PROPERTY LINE
35' DRAINAGE RIGHT OF WAY
R-1B SINGLE FAMILY RESIDENTIAL
MEDIUM DENSITY
N 89°24'40" E
PROPERTY LINE
20' LANDSCAPE BUFFER
PROPERTY LINE
EXISTING CLI FENCE
ADJACENT 12" CYPRESS TREE & 12" CABBAGE PALM
35' DRAINAGE R/W

0' 40' 80' 160' 240'
SCALE: 1" = 80'-0"

0' 15' 30' 60' 90'
SCALE: 1" = 30'-0"

NOTE TO CONTRACTOR:

CONTRACTOR SHALL VERIFY WITH THE LANDSCAPE ARCHITECT THAT HE / SHE HAS THE MOST CURRENT LANDSCAPE PLANS PRIOR TO COMMENCEMENT OF WORK OR PROCUREMENT OF LANDSCAPE MATERIAL.

Susan J Hall
Digitally signed by Susan J Hall
Date: 2022.08.09 10:17:32 -04'00'

Susan Hall, ASLA
LANDSCAPE ARCHITECTURE
LC26000357
4425 CROOKED MILE RD.
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PHONE: (321) 449-0790
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www.hall-la.com

Falcon's Roost
Knox McRae Drive
Titusville, FL

SHEET TITLE
EXISTING VEGETATION PLAN

DATE 08-09-22
DESIGN S.H.
DRAWN M.M.
SCALE 1" = 80'-0"
REVISIONS

SEAL
08-09-22

SHEET L-1 OF 7

EXISTING VEGETATION

TREE #	TYPE	DBH IN INCHES	STATUS	REMARKS	MITIGATION (INCHES)
1	Cabbage Palm *(Sabal Palmetto)*	12	Remove	close proximity to tree to remain	
2	Cabbage Palm *(Sabal Palmetto)*	14	Remove	close proximity to tree to remain	
3	Cabbage Palm *(Sabal Palmetto)*	14	Remove	close proximity to tree to remain	
4	Cabbage Palm *(Sabal Palmetto)*	16	Remove	close proximity to tree to remain	
5	Live Oak (*Quercus virginiana*)	10	**PRESERVE**		
6	Cabbage Palm *(Sabal Palmetto)*	12	Remove	site improvement: lake	
7	Cabbage Palm *(Sabal Palmetto)*	14	Remove	site improvement: lake	
8	Cabbage Palm *(Sabal Palmetto)*	18	Remove	site improvement: lake	
9	Cabbage Palm *(Sabal Palmetto)*	16	Remove	site improvement: lake	
10	Cabbage Palm *(Sabal Palmetto)*	16	Remove	site improvement: lake	
11	Sugar Hackberry *(Celtis laevigata)*	10	Remove	site improvement: lake	
12	Cabbage Palm *(Sabal Palmetto)*	12	**PRESERVE**		
13	Sugar Hackberry *(Celtis laevigata)*	**36**	**PRESERVE**		
14	Cabbage Palm *(Sabal Palmetto)*	12	**PRESERVE**		
15	Cabbage Palm *(Sabal Palmetto)*	8	**PRESERVE**		
16	Cabbage Palm *(Sabal Palmetto)*	16	**PRESERVE**		
17	Cabbage Palm *(Sabal Palmetto)*	14	Remove	site improvement: lake	
18	Cabbage Palm *(Sabal Palmetto)*	17	Remove	site improvement: lake	
19	Sugar Hackberry *(Celtis laevigata)*	**12,12**	**PRESERVE**		
20	Cabbage Palm *(Sabal Palmetto)*	16	**PRESERVE**		
21	Cabbage Palm *(Sabal Palmetto)*	14	**PRESERVE**		
22	Cabbage Palm *(Sabal Palmetto)*	18	**PRESERVE**		
23	Sugar Hackberry *(Celtis laevigata)*	8	Remove	site improvement: lake	
24	Cabbage Palm *(Sabal Palmetto)*	12	Remove	site improvement: lake	
25	Cabbage Palm *(Sabal Palmetto)*	14	Remove	site improvement: lake	
26	Cabbage Palm *(Sabal Palmetto)*	12	Remove	site improvement: lake	
27	Cabbage Palm *(Sabal Palmetto)*	14	Remove	site improvement: lake	
28	Live Oak (*Quercus virginiana*)	12	Remove	site improvement: lake	
29	Cabbage Palm *(Sabal Palmetto)*	12	Remove	site improvement: lake	
30	Cabbage Palm *(Sabal Palmetto)*	12	**PRESERVE**		
31	Cabbage Palm *(Sabal Palmetto)*	12	Remove	site improvement: lake	
32	Cabbage Palm *(Sabal Palmetto)*	12	Remove	site improvement: lake	
33	Cabbage Palm *(Sabal Palmetto)*	16	Remove	site improvement: lake	
34	Live Oak (*Quercus virginiana*)	18	Remove	site improvement: lake	
35	Cabbage Palm *(Sabal Palmetto)*	16	**PRESERVE**		
36	Cabbage Palm *(Sabal Palmetto)*	12	**PRESERVE**		
37	Cabbage Palm *(Sabal Palmetto)*	18	**PRESERVE**		
38	Cabbage Palm *(Sabal Palmetto)*	12	**PRESERVE**		
39	Live Oak (*Quercus virginiana*)	**12,12**	**PRESERVE**		
40	Live Oak (*Quercus virginiana*)	12	**PRESERVE**		
41	Cabbage Palm *(Sabal Palmetto)*	18	**PRESERVE**		
42	Cabbage Palm *(Sabal Palmetto)*	**20**	**PRESERVE**		
43	Live Oak (*Quercus virginiana*)	8	**PRESERVE**		
44	Cabbage Palm *(Sabal Palmetto)*	12	**PRESERVE**		
45	Live Oak (*Quercus virginiana*)	12	**PRESERVE**		
46	Live Oak (*Quercus virginiana*)	12	**PRESERVE**		
47	Cabbage Palm *(Sabal Palmetto)*	12	**PRESERVE**		
48	Cabbage Palm *(Sabal Palmetto)*	16	**PRESERVE**		
49	Live Oak (*Quercus virginiana*)	10	**PRESERVE**		
50	Cabbage Palm *(Sabal Palmetto)*	18	**PRESERVE**		
51	Cabbage Palm *(Sabal Palmetto)*	15	**PRESERVE**		
52	Cabbage Palm *(Sabal Palmetto)*	12	**PRESERVE**		
53	Live Oak (*Quercus virginiana*)	**24**	**PRESERVE**		
54	Sugar Hackberry *(Celtis laevigata)*	8	**PRESERVE**		
55	Sugar Hackberry *(Celtis laevigata)*	8	**PRESERVE**		
56	Cabbage Palm *(Sabal Palmetto)*	12	**PRESERVE**		
57	Cabbage Palm *(Sabal Palmetto)*	15	**PRESERVE**		
58	Sugar Hackberry *(Celtis laevigata)*	9	**PRESERVE**		
59	Cabbage Palm *(Sabal Palmetto)*	16	**PRESERVE**		
60	Cabbage Palm *(Sabal Palmetto)*	12	**PRESERVE**		
61	Sugar Hackberry *(Celtis laevigata)*	14	**PRESERVE**		
62	Sugar Hackberry *(Celtis laevigata)*	10	Remove	Grade change on one side of tree	
63	Sugar Hackberry *(Celtis laevigata)*	10	Remove	Grade change on one side of tree	
64	Cabbage Palm *(Sabal Palmetto)*	16	**PRESERVE**		
65	Live Oak (*Quercus virginiana*)	10	**PRESERVE**		
66	Cabbage Palm *(Sabal Palmetto)*	12	**PRESERVE**		
67	Cabbage Palm *(Sabal Palmetto)*	12	**PRESERVE**		
68	Sugar Hackberry *(Celtis laevigata)*	14	**PRESERVE**		
69	Sugar Hackberry *(Celtis laevigata)*	12	**PRESERVE**		
70	Cabbage Palm *(Sabal Palmetto)*	14	**PRESERVE**		
71	Live Oak (*Quercus virginiana*)	10	**PRESERVE**		
72	Sugar Hackberry *(Celtis laevigata)*	10	**PRESERVE**		

Total Mitigation Inches Required: 0

EXISTING VEGETATION

TREE #	TYPE	DBH IN INCHES	STATUS	REMARKS	MITIGATION (INCHES)
73	Cabbage Palm *(Sabal Palmetto)*	14	Remove	site improvement: lake	
74	Cabbage Palm *(Sabal Palmetto)*	12	Remove	site improvement: future house	
75	Cabbage Palm *(Sabal Palmetto)*	16	Remove	site improvement: future house	
76	Cabbage Palm *(Sabal Palmetto)*	12	Remove	site improvement: future house	
77	Cabbage Palm *(Sabal Palmetto)*	12	Remove	site improvement: future house	
78	Cabbage Palm *(Sabal Palmetto)*	14	Remove	site improvement: future house	
79	Cabbage Palm *(Sabal Palmetto)*	14	Remove	site improvement: future house	
80	Cabbage Palm *(Sabal Palmetto)*	14	Remove	site improvement: future house	
81	Cabbage Palm *(Sabal Palmetto)*	10	Remove	site improvement: future house	
82	Cabbage Palm *(Sabal Palmetto)*	12	Remove	site improvement: future house	
83	Cabbage Palm *(Sabal Palmetto)*	13	Remove	site improvement: future house	
84	Cabbage Palm *(Sabal Palmetto)*	8	**PRESERVE**		
85	Cabbage Palm *(Sabal Palmetto)*	18	Remove	site improvement: future house	
86	Cabbage Palm *(Sabal Palmetto)*	14	**PRESERVE**		
87	Cabbage Palm *(Sabal Palmetto)*	16	Remove	site improvement: future house	
88	Cabbage Palm *(Sabal Palmetto)*	14	Remove	site improvement: retaining wall	
89	Cabbage Palm *(Sabal Palmetto)*	14	Remove	site improvement: future house	
90	Cabbage Palm *(Sabal Palmetto)*	12	Remove	site improvement: future house	
91	Cabbage Palm *(Sabal Palmetto)*	15	Remove	site improvement: future house	
92	Cabbage Palm *(Sabal Palmetto)*	14	Remove	site improvement: future house	
93	Cabbage Palm *(Sabal Palmetto)*	14	Remove	site improvement: future house	
94	Cabbage Palm *(Sabal Palmetto)*	14	Remove	site improvement: lake	
95	Cabbage Palm *(Sabal Palmetto)*	14	Remove	site improvement: lake	
96	Cabbage Palm *(Sabal Palmetto)*	14	Remove	site improvement: future house	
97	Cabbage Palm *(Sabal Palmetto)*	16	Remove	site improvement: future house	
98	Cabbage Palm *(Sabal Palmetto)*	14	Remove	site improvement: future house	
99	Cabbage Palm *(Sabal Palmetto)*	12	Remove	site improvement: future house	
100	Cabbage Palm *(Sabal Palmetto)*	12	Remove	site improvement: future house	
101	Cabbage Palm *(Sabal Palmetto)*	16	Remove	site improvement: future house	
102	Cabbage Palm *(Sabal Palmetto)*	12	Remove	site improvement: future house	
103	Cabbage Palm *(Sabal Palmetto)*	10	Remove	site improvement: future house	
104	Cabbage Palm *(Sabal Palmetto)*	12	Remove	site improvement: future house	
105	Cabbage Palm *(Sabal Palmetto)*	16	Remove	site improvement: future house	
106	Cabbage Palm *(Sabal Palmetto)*	13	Remove	site improvement: future house	
107	Cabbage Palm *(Sabal Palmetto)*	10	Remove	site improvement: future house	
108	Cabbage Palm *(Sabal Palmetto)*	14	Remove	site improvement: future house	
109	Cabbage Palm *(Sabal Palmetto)*	15	Remove	site improvement: sidewalk	
110	Cabbage Palm *(Sabal Palmetto)*	17	Remove	site improvement: sidewalk	
111	Cabbage Palm *(Sabal Palmetto)*	14	Remove	site improvement: future house	
112	Cabbage Palm *(Sabal Palmetto)*	15	Remove	site improvement: future house	
113	Cabbage Palm *(Sabal Palmetto)*	16	Remove	site improvement: future house	
114	Cabbage Palm *(Sabal Palmetto)*	14	Remove	site improvement: future house	
115	Cabbage Palm *(Sabal Palmetto)*	8	Remove	site improvement: future house	
116	Cabbage Palm *(Sabal Palmetto)*	14	Remove	site improvement: future house	
117	Cabbage Palm *(Sabal Palmetto)*	14	Remove	site improvement: future house	
118	Cabbage Palm *(Sabal Palmetto)*	14	Remove	site improvement: future house	
119	Cabbage Palm *(Sabal Palmetto)*	13	Remove	site improvement: future house	
120	Cabbage Palm *(Sabal Palmetto)*	12	**PRESERVE**		
121	Cabbage Palm *(Sabal Palmetto)*	14	**PRESERVE**		
122	Cabbage Palm *(Sabal Palmetto)*	14	**PRESERVE**		
123	Cabbage Palm *(Sabal Palmetto)*	16	**PRESERVE**		
124	Cabbage Palm *(Sabal Palmetto)*	12	**PRESERVE**		
125	Cabbage Palm *(Sabal Palmetto)*	16	Remove	site improvement: future house	
126	Cabbage Palm *(Sabal Palmetto)*	12	**PRESERVE**		
127	Cabbage Palm *(Sabal Palmetto)*	12	**PRESERVE**		
128	Cabbage Palm *(Sabal Palmetto)*	8	**PRESERVE**		
129	Live Oak (*Quercus virginiana*)	8	**PRESERVE**		
130	Cabbage Palm *(Sabal Palmetto)*	6	**PRESERVE**		
131	Cabbage Palm *(Sabal Palmetto)*	12	**PRESERVE**		
132	Live Oak (*Quercus virginiana*)	6	**PRESERVE**		
133	Cabbage Palm *(Sabal Palmetto)*	12	**PRESERVE**		
134	Cabbage Palm *(Sabal Palmetto)*	10	**PRESERVE**		
135	Cabbage Palm *(Sabal Palmetto)*	6	**PRESERVE**		
136	Cabbage Palm *(Sabal Palmetto)*	6	**PRESERVE**		
137	Cabbage Palm *(Sabal Palmetto)*	6	**PRESERVE**		
138	Cabbage Palm *(Sabal Palmetto)*	10	**PRESERVE**		
139	Cabbage Palm *(Sabal Palmetto)*	8	**PRESERVE**		
140	Cabbage Palm *(Sabal Palmetto)*	10	**PRESERVE**		
141	Live Oak (*Quercus virginiana*)	8	**PRESERVE**		
142	Live Oak (*Quercus virginiana*)	6	**PRESERVE**		
143	Cabbage Palm *(Sabal Palmetto)*	10	**PRESERVE**		
144	Live Oak (*Quercus virginiana*)	8	**PRESERVE**		

Total Mitigation Inches Required: 0

EXISTING VEGETATION

TREE #	TYPE	DBH IN INCHES	STATUS	REMARKS	MITIGATION (INCHES)
145	Cabbage Palm *(Sabal Palmetto)*	12	**PRESERVE**		
146	Cabbage Palm *(Sabal Palmetto)*	16	**PRESERVE**		
147	Cabbage Palm *(Sabal Palmetto)*	12	**PRESERVE**		
148	Live Oak (*Quercus virginiana*)	16	**PRESERVE**		
149	Live Oak (*Quercus virginiana*)	8	**PRESERVE**		
150	Cabbage Palm *(Sabal Palmetto)*	15	**PRESERVE**		
151	Cabbage Palm *(Sabal Palmetto)*	15	**PRESERVE**		
152	Cabbage Palm *(Sabal Palmetto)*	12	**PRESERVE**		
153	Cabbage Palm *(Sabal Palmetto)*	8	**PRESERVE**		
154	Cabbage Palm *(Sabal Palmetto)*	8	**PRESERVE**		
155	Cabbage Palm *(Sabal Palmetto)*	12	**PRESERVE**		
156	Red Maple (*Acer rubrum*)	10	**PRESERVE**		
157	Live Oak (*Quercus virginiana*)	10	**PRESERVE**		
158	Cabbage Palm *(Sabal Palmetto)*	8	**PRESERVE**		
159	Cabbage Palm *(Sabal Palmetto)*	8	**PRESERVE**		
160	Cabbage Palm *(Sabal Palmetto)*	10	**PRESERVE**		
161	Live Oak (*Quercus virginiana*)	16	**PRESERVE**		
162	Cabbage Palm *(Sabal Palmetto)*	6	**PRESERVE**		
163	Cabbage Palm *(Sabal Palmetto)*	6	**PRESERVE**		
164	Cabbage Palm *(Sabal Palmetto)*	8	**PRESERVE**		
165	Cabbage Palm *(Sabal Palmetto)*	12	**PRESERVE**		
166	Cabbage Palm *(Sabal Palmetto)*	12	**PRESERVE**		
167	Red Maple (*Acer rubrum*)	8	**PRESERVE**		
168	Red Maple (*Acer rubrum*)	15	**PRESERVE**		
169	Cabbage Palm *(Sabal Palmetto)*	12	**PRESERVE**		
170	Cabbage Palm *(Sabal Palmetto)*	12	**PRESERVE**		
171	Cabbage Palm *(Sabal Palmetto)*	8	**PRESERVE**		
172	Cabbage Palm *(Sabal Palmetto)*	15	**PRESERVE**		
173	Cabbage Palm *(Sabal Palmetto)*	8	**PRESERVE**		
174	Cabbage Palm *(Sabal Palmetto)*	12	**PRESERVE**		
175	Cabbage Palm *(Sabal Palmetto)*	8	**PRESERVE**		
176	Red Maple (*Acer rubrum*)	24	**PRESERVE**		
177	Red Maple (*Acer rubrum*)	18	**PRESERVE**		
178	Cabbage Palm *(Sabal Palmetto)*	10	**PRESERVE**		
179	Red Maple (*Acer rubrum*)	24	**PRESERVE**		
180	Cabbage Palm *(Sabal Palmetto)*	8	**PRESERVE**		
181	Cabbage Palm *(Sabal Palmetto)*	10	**PRESERVE**		
182	Cabbage Palm *(Sabal Palmetto)*	10	**PRESERVE**		
183	Cabbage Palm *(Sabal Palmetto)*	10	**PRESERVE**		
184	Cabbage Palm *(Sabal Palmetto)*	10	**PRESERVE**		
185	Cabbage Palm *(Sabal Palmetto)*	8	**PRESERVE**		
186	Cabbage Palm *(Sabal Palmetto)*	6	**PRESERVE**		
187	Cabbage Palm *(Sabal Palmetto)*	8	**PRESERVE**		
188	Cabbage Palm *(Sabal Palmetto)*	8	**PRESERVE**		
189	Cabbage Palm *(Sabal Palmetto)*	10	**PRESERVE**		
190	Cabbage Palm *(Sabal Palmetto)*	12	**PRESERVE**		
191	Cabbage Palm *(Sabal Palmetto)*	12	**PRESERVE**		
192	Cabbage Palm *(Sabal Palmetto)*	5	**PRESERVE**		
193	Cabbage Palm *(Sabal Palmetto)*	12	**PRESERVE**		
194	Cabbage Palm *(Sabal Palmetto)*	15	**PRESERVE**		
195	Cabbage Palm *(Sabal Palmetto)*	10	**PRESERVE**		
196	Cabbage Palm *(Sabal Palmetto)*	10	**PRESERVE**		
197	Cabbage Palm *(Sabal Palmetto)*	10	**PRESERVE**		
198	Live Oak (*Quercus virginiana*)	8	**PRESERVE**		
199	Cabbage Palm *(Sabal Palmetto)*	12	**PRESERVE**		
200	Cabbage Palm *(Sabal Palmetto)*	15	**PRESERVE**		
201	Cabbage Palm *(Sabal Palmetto)*	15	REMOVE	Drainage Swale	
202	Cabbage Palm *(Sabal Palmetto)*	15	REMOVE	Drainage Swale	
203	Cabbage Palm *(Sabal Palmetto)*	18	REMOVE	Drainage Swale	
204	Cabbage Palm *(Sabal Palmetto)*	18	REMOVE	Drainage Swale	
205	Cabbage Palm *(Sabal Palmetto)*	12	REMOVE	Drainage Swale	
206	Cabbage Palm *(Sabal Palmetto)*	12	REMOVE	Drainage Swale	
207	Cabbage Palm *(Sabal Palmetto)*	12	REMOVE	Drainage Swale	
208	Cabbage Palm *(Sabal Palmetto)*	12	REMOVE	Drainage Swale	
209	Cabbage Palm *(Sabal Palmetto)*	8	REMOVE	Drainage Swale	
210	Cabbage Palm *(Sabal Palmetto)*	12	REMOVE	Drainage Swale	
211	Cabbage Palm *(Sabal Palmetto)*	12	REMOVE	Drainage Swale	
212	Cabbage Palm *(Sabal Palmetto)*	12	REMOVE	Drainage Swale	
213	Cabbage Palm *(Sabal Palmetto)*	15	REMOVE	Drainage Swale	
214	Cabbage Palm *(Sabal Palmetto)*	15	REMOVE	Drainage Swale	
215	Cabbage Palm *(Sabal Palmetto)*	18	REMOVE	Drainage Swale	
216	Cabbage Palm *(Sabal Palmetto)*	18	REMOVE	Drainage Swale	

Total Mitigation Inches Required: 0

EXISTING VEGETATION

TREE #	TYPE	DBH IN INCHES	STATUS	REMARKS	MITIGATION (INCHES)
217	Cabbage Palm *(Sabal Palmetto)*	15	REMOVE	Drainage Swale	
218	Cabbage Palm *(Sabal Palmetto)*	18	REMOVE	Drainage Swale	
219	Cabbage Palm *(Sabal Palmetto)*	18	REMOVE	Drainage Swale	
220	Cabbage Palm *(Sabal Palmetto)*	15	REMOVE	Drainage Swale	
221	Cabbage Palm *(Sabal Palmetto)*	15	REMOVE	Drainage Swale	
222	Cabbage Palm *(Sabal Palmetto)*	12	REMOVE	Drainage Swale	
223	Cabbage Palm *(Sabal Palmetto)*	10	REMOVE	Drainage Swale	
224	Cabbage Palm *(Sabal Palmetto)*	12	REMOVE	Drainage Swale	
225	Cabbage Palm *(Sabal Palmetto)*	12	REMOVE	Drainage Swale	
226	Live Oak (*Quercus virginiana*)	8	REMOVE	Drainage Swale	
227	Cabbage Palm *(Sabal Palmetto)*	12	**PRESERVE**		
228	Cabbage Palm *(Sabal Palmetto)*	10	**PRESERVE**		
229	Cabbage Palm *(Sabal Palmetto)*	10	**PRESERVE**		
230	Cabbage Palm *(Sabal Palmetto)*	10	**PRESERVE**		
231	Cabbage Palm *(Sabal Palmetto)*	10	**PRESERVE**		
232	Cabbage Palm *(Sabal Palmetto)*	10	**PRESERVE**		
233	Cabbage Palm *(Sabal Palmetto)*	10	**PRESERVE**		
234	Cabbage Palm *(Sabal Palmetto)*	12	**PRESERVE**		
235	Cabbage Palm *(Sabal Palmetto)*	12	**PRESERVE**		
236	Cabbage Palm *(Sabal Palmetto)*	12	**PRESERVE**		
237	Cabbage Palm *(Sabal Palmetto)*	18	**PRESERVE**		
238	Cabbage Palm *(Sabal Palmetto)*	10	**PRESERVE**		
239	Live Oak (*Quercus virginiana*)	10	**PRESERVE**		

Total Mitigation Inches Required: 0

PRESERVATION & REMOVAL NOTES:

1. THE TOTAL LOT SIZE IS 53 ACRES AND 27.76 ACRES WILL REMAIN CONSERVATION AREA. A PARTIAL SURVEY OF THE EXISTING TREES ALONG KNOX MCRAE DRIVE IS PROVIDED TO IDENTIFY EXISTING TREES THAT WILL REMAIN IN THIS AREA FOR THE REQUIRED 20' WIDE PERIMETER BUFFER.
2. ALL TREE PROTECTION BARRICADES MUST BE IN PLACE PRIOR TO THE COMMENCEMENT OF ANY SITE CLEARING.
3. EXISTING TREES TO BE PRESERVED THAT ARE NOT LOCATED IN THE CONSERVATION AREAS SHALL BE PROTECTED AND FENCED PER THE DETAIL SHOWN ON SHEET L-2.
4. REFER TO CIVIL DRAWINGS FOR THE BARRIER FENCING DETAIL(S) ABUTTING THE CONSERVATION AREA(S).
5. ALL ROOTS TO BE REMOVED DURING THE SITE CLEARING PHASE SHALL BE SEVERED CLEAN AT THE PERIMETER OF THE DESIGNATED PROTECTIVE ROOT ZONE.
6. A TWO INCH LAYER OF MULCH SHALL BE APPLIED OVER THE SURFACE OF EXPOSED ROOTS OF PROTECTED TREES DURING THE SITE CLEARING PHASE.
7. REMOVE ALL VINES FROM PRESERVED TREES ALONG KNOX MCRAE DRIVE. PRUNING AND VINE REMOVAL IS REQUIRED BY AN EXPERIENCED BREVARD COUNTY ARBORIST WITH A MINIMUM 5 YEAR EXPERIENCE AND ISA ACCREDITATION.
8. REMOVE ALL BRAZILIAN PEPPER FROM THE SITE.

Susan Hall, ASLA
LANDSCAPE ARCHITECTURE
LC26000357
4425 CROOKED MILE RD.
MERRITT ISLAND, FL 32952
PHONE: (321) 449-0790
FAX: (321) 449-1225
www.hall-la.com

Falcon's Roost
Knox McRae Drive
Titusville, FL

SHEET TITLE
EXISTING VEGETATION TREE LIST

DATE
08-09-22

DESIGN
S.H.

DRAWN
M.M.

SCALE

REVISIONS

SEAL
SUSAN HALL LANDSCAPE ARCHITECT LC26000357 #8 STATE OF FLORIDA
08-09-22

FALCON'S ROOST SFR SUBDIVISION- LANDSCAPE CALCULATIONS
TITUSVILLE, FL

ZONED: R-1B SINGLE FAMILY MEDIUM DENSITY

10% LOT SIZE PRESERVED OR PLANTED MIXED VEGETATION:

TOTAL LOT SIZE:	2,308,923 SF (53 ACRES)
10% REQUIRED:	230,892 SF SF (5.3 ACRES)
CONSERVATION AREA PROVIDED:	27.76 ACRES

BOULEVARD TREE:
1 TREE PER LOT
28 TREES REQUIRED
28 TREES WILL BE PROVIDED INDIVIDUALLY DURING LOT CONSTRUCTION

FRONT YARD TREE:
28 TREES REQUIRED
28 TREES WILL BE PROVIDED INDIVIDUALLY DURING LOT CONSTRUCTION

CANOPY AREA REQUIREMENTS:
25% TOTAL CANOPY REQUIRED
(15% MINIMUM MUST BE PRESERVED CANOPY)

PROVIDED:
37% EXISTING PRESERVED CANOPY

MITIGATION REQUIREMENTS:
MORE THAN 30% CANOPY ACHIEVED WITH PRESERVATION. NO FURTHER MITIGATION REQUIRED.

NATURAL BUFFER PERIMETER YARD REQUIREMENTS:

NORTH: 1,342 LF, 20' WIDE
- OVERSTORY TREES (1,342' / 200') X 4 TREES = (27) REQUIRED / EXISTING PROVIDED
- CONIFEROUS TREES (1,342' / 200') X 2 TREES = (14) REQUIRED / EXISTING PROVIDED
- UNDERSTORY TREES (1,342' / 200') X 1 TREES = (7) REQUIRED / EXISTING PROVIDED
- SHRUBS (1,342' / 15) = (90) REQUIRED / EXISTING PROVIDED

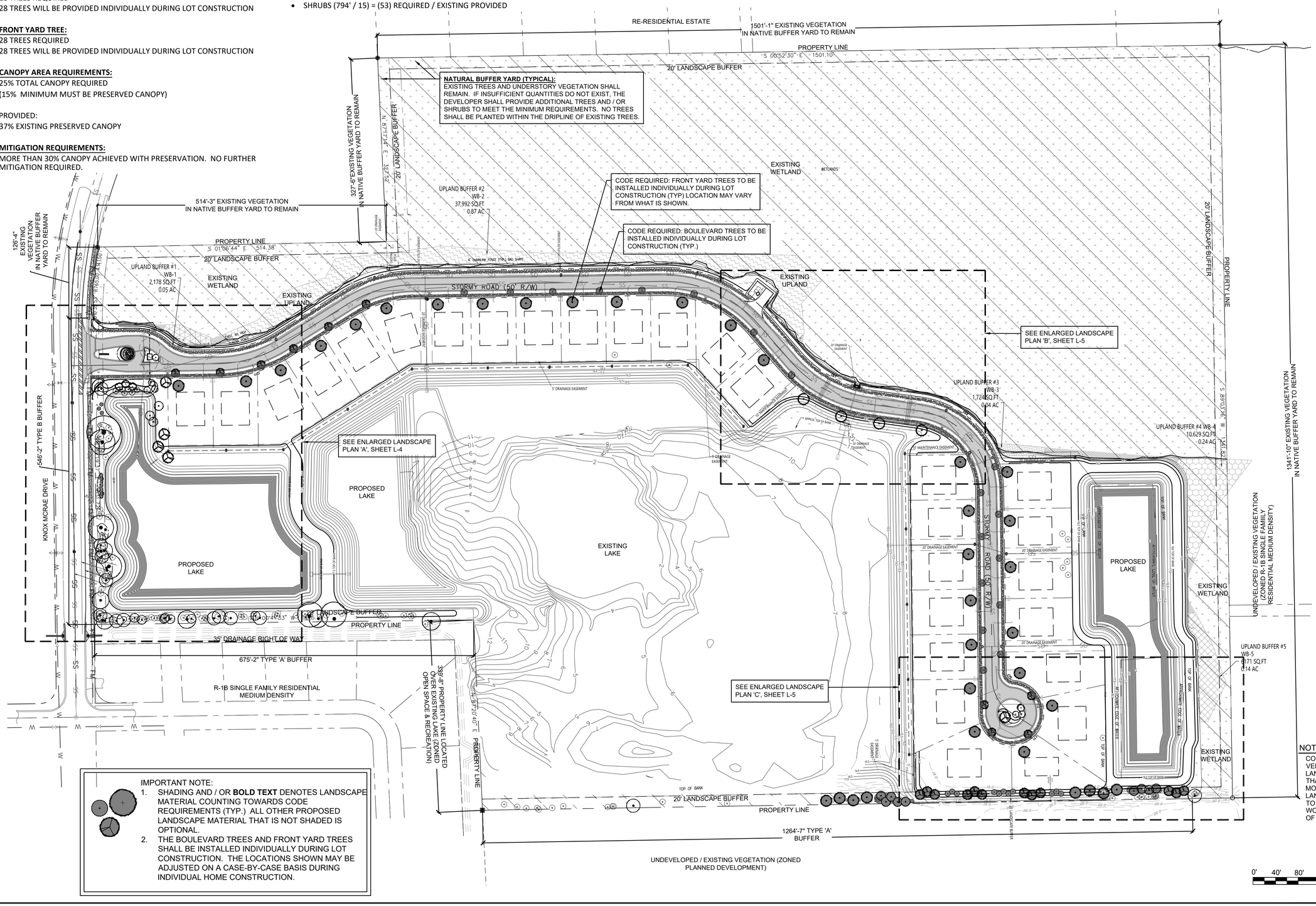
SOUTH: 794 LF (327'-6" + 126'-4" + 339'-8"), 20' WIDE
- OVERSTORY TREES (794' / 200') X 4 TREES = (16) REQUIRED / EXISTING PROVIDED
- CONIFEROUS TREES (794' / 200') X 2 TREES = (8) REQUIRED / EXISTING PROVIDED
- UNDERSTORY TREES (794' / 200') X 1 TREES = (4) REQUIRED / EXISTING PROVIDED
- SHRUBS (794' / 15) = (53) REQUIRED / EXISTING PROVIDED

WEST: 2,016 LF (514'-3" + 1,501'-1"), 20' WIDE
- OVERSTORY TREES (2,016' / 200') X 4 TREES = (41) REQUIRED / EXISTING PROVIDED
- CONIFEROUS TREES (2,016' / 200') X 2 TREES = (21) REQUIRED / EXISTING PROVIDED
- UNDERSTORY TREES (2,016' / 200') X 1 TREES = (10) REQUIRED / EXISTING PROVIDED
- SHRUBS (2,016' / 15) = (135) REQUIRED / EXISTING PROVIDED

NEWLY PLANTED AREA PERIMETER YARD BUFFER REQUIREMENTS:

SOUTH: 546' LF, 20' WIDE
- OVERSTORY TREES: (546' / 200') X 4 TREES = (11)
  PROVIDED: 12 EXISTING OAKS &/OR SUGAR HACKBERRY
- CONIFEROUS TREES: (546' / 200') X 2 TREES = (6)
  PROVIDED: 6 BRODIE JUNIPER
- UNDERSTORY TREES: (546' / 200') X 1 TREE = (3)
  PROVIDED: 3 EXISTING CABBAGE PALM CLUSTERS
- SHRUBS: 546' / 15' = (37)
  PROVIDED: +37 NATIVE SHRUBS

EAST: 1,940 LF (1,265' = 675'), 20' WIDE
- OVERSTORY TREES: (1940' / 200') X 4 TREES = (39)
  PROVIDED: 19 EXISTING TREES, 20 NEW OAK & SWEETGUM
- CONIFEROUS TREES: (1940' / 200') X 2 TREES = (20)
  PROVIDED: 20 BALD CYPRESS & SOUTHERN RED CEDAR
- UNDERSTORY TREES: (1940' / 200') X 1 TREE = (10)
  PROVIDED: 71 EXISTING CABBAGE PALMS
- SHRUBS: 1940' / 15' = (130)
  PROVIDED: 43 MUHLY



IMPORTANT NOTE:
1. SHADING AND / OR **BOLD TEXT** DENOTES LANDSCAPE MATERIAL COUNTING TOWARDS CODE REQUIREMENTS (TYP.) ALL OTHER PROPOSED LANDSCAPE MATERIAL THAT IS NOT SHADED IS OPTIONAL.
2. THE BOULEVARD TREES AND FRONT YARD TREES SHALL BE INSTALLED INDIVIDUALLY DURING LOT CONSTRUCTION. THE LOCATIONS SHOWN MAY BE ADJUSTED ON A CASE-BY-CASE BASIS DURING INDIVIDUAL HOME CONSTRUCTION.

Susan Hall, ASLA
LANDSCAPE ARCHITECTURE
LC26000357
4425 CROOKED MILE RD.
MERRITT ISLAND, FL 32952
PHONE: (321) 449-0790
FAX: (321) 449-1225
www.hall-la.com

Falcon's Roost
Knox McRae Drive
Titusville, FL

SHEET TITLE
OVERALL LANDSCAPE PLAN

DATE 08-09-22
DESIGN S.H.
DRAWN M.M.
SCALE 1" = 80' - 0"
REVISIONS

SEAL
SUSAN HALL LANDSCAPE ARCHITECT #6667 STATE OF FLORIDA
08-09-22

SHEET L-3 | OF 7

IMPORTANT NOTE:
1. SHADING AND / OR **BOLD TEXT** DENOTES LANDSCAPE MATERIAL COUNTING TOWARDS CODE REQUIREMENTS (TYP.) ALL OTHER PROPOSED LANDSCAPE MATERIAL THAT IS NOT SHADED IS OPTIONAL.
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Falcon's Roost
Knox McRae Drive
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CODE REQUIRED: FRONT YARD TREES TO BE INSTALLED INDIVIDUALLY DURING LOT CONSTRUCTION (TYP.) LOCATIONS MAY VARY FROM WHAT IS SHOWN.

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CODE REQUIRED: BOULEVARD YARD TREES TO BE INSTALLED INDIVIDUALLY DURING LOT CONSTRUCTION (TYP.)

CODE REQUIRED: FRONT YARD ~~TREES TO BE INSTALLED~~ INDIVIDUALLY DURING LOT CONSTRUCTION (TYP.) LOCATIONS MAY VARY FROM WHAT IS SHOWN.

LOT LINE (TYP)
LOT LINE (TYP)
LOT LINE (TYP)
LOT LINE (TYP)
RIGHT OF WAY (TYP)
10' UTILITY EASEMENT
RIGHT OF WAY (TYP)
STORMY ROAD
SWALE
TOP OF BANK (TYP)
PROPOSED LAKE
EXISTING TREES, PALMS & NATIVE UNDERSTORY TO REMAIN. ALL INVASIVE PLANTS SHALL BE REMOVED.
20'-0" LANDSCAPE PERIMETER BUFFER
EXISTING DITCH IN DRAINAGE R.O.W.
PROPERTY LINE (TYP.)
20'-4" LANDSCAPE PERIMETER BUFFER
RIGHT OF WAY (TYP.)
SIDEWALK
KNOX MCRAE DRIVE
GATE
GATE
FENCE (REFER TO CIVIL)
SIGN (TBD)
BAHIA SOD
ST. AUG. SOD
610 SF PINE STRAW MULCH
1,030 SF PINE STRAW MULCH
1,600 SF PINE STRAW MULCH
CODE REQUIRED
CODE REQUIRED
CODE REQUIRED

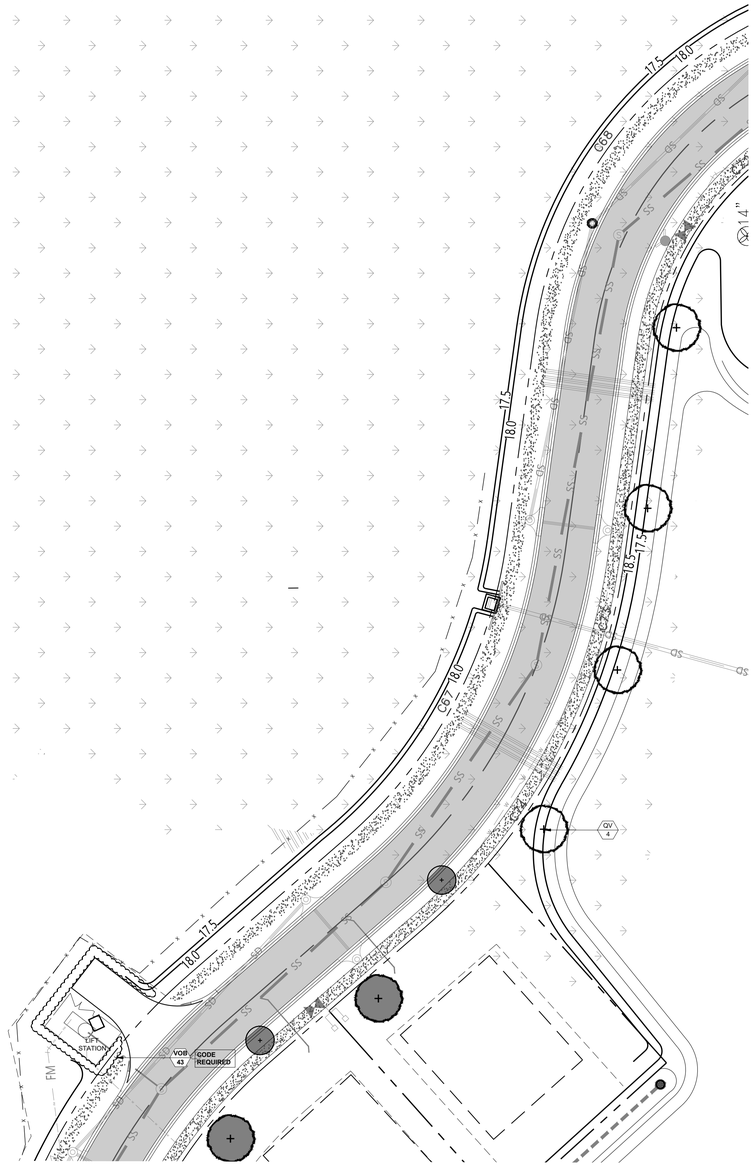
DD	1	
IVS	40	
PR	1	
SCT	8	
BOU	22	
JUP	32	
SCT	15	
SCT	15	
ZAM	14	
ZAM	24	
BX	3	
MD	1	
TD	3	
MD	3	
MUC	120	
SP	6	
IVS	200	
LM	3	
JB	3	
SER	5	
MUC	37	
JB	3	
SER	8	

LANDSCAPE ENLARGEMENT PLAN 'A'

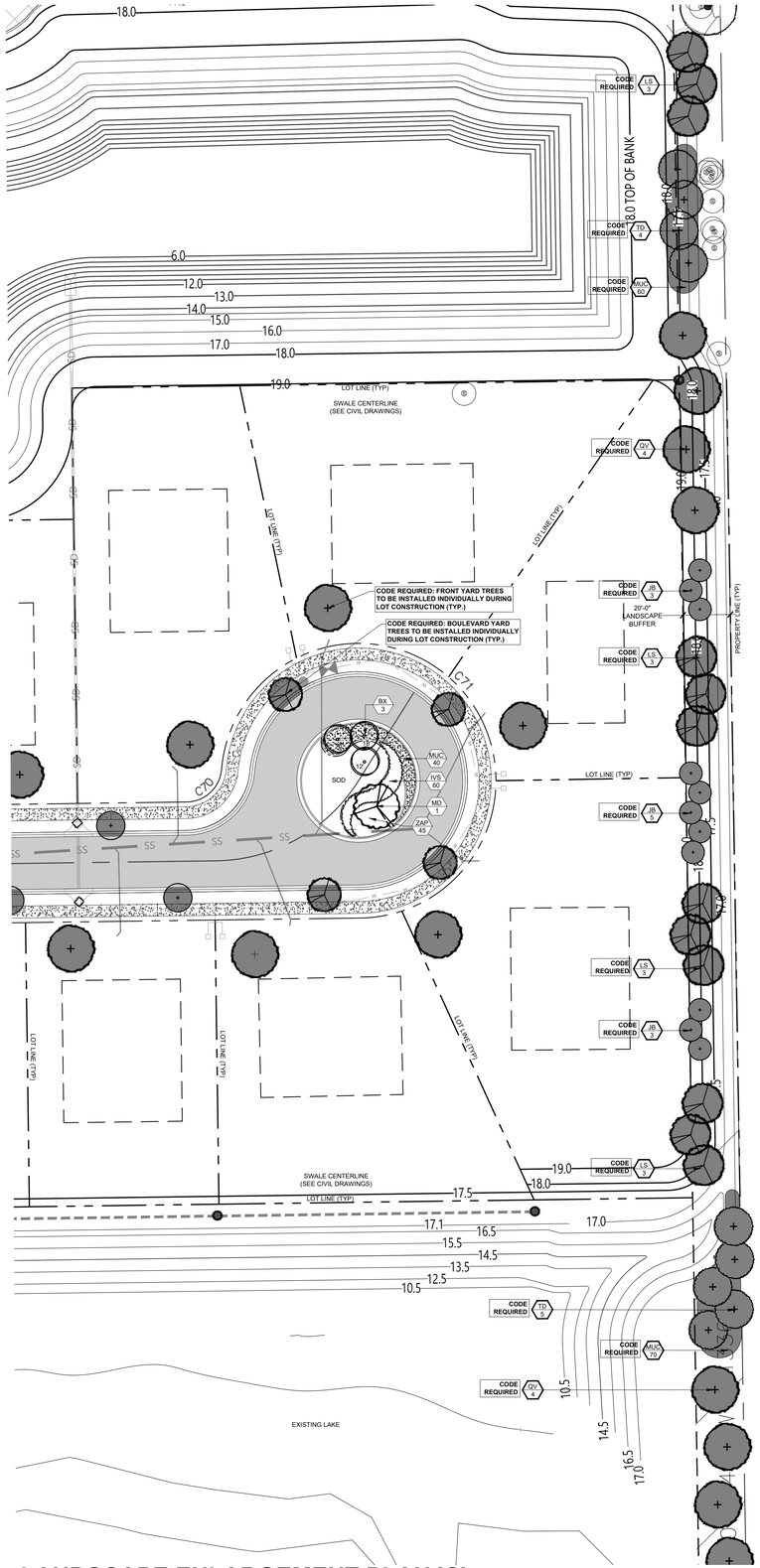
0' 10' 20' 40' 60'
SCALE: 1" = 20 '-0"

SHEET TITLE: ENLARGED LANDSCAPE PLAN
DATE: 08-09-22
DESIGN: S.H.
DRAWN: M.M.
SCALE: 1" = 20' - 0"
REVISIONS
SEAL
08-09-22

SHEET L-4 OF 7



LANDSCAPE ENLARGEMENT PLAN 'B'



LANDSCAPE ENLARGEMENT PLAN 'C'

IMPORTANT NOTE:

1. SHADING AND / OR **BOLD TEXT** DENOTES LANDSCAPE MATERIAL COUNTING TOWARDS CODE REQUIREMENTS (TYP.) ALL OTHER PROPOSED LANDSCAPE MATERIAL THAT IS NOT SHADED IS OPTIONAL.
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Falcon's Roost

Knox McRae Drive
Titusville, FL

SHEET TITLE
ENLARGED LANDSCAPE PLAN & DETAILS

DATE 08-09-22
DESIGN S.H.
DRAWN M.M.
SCALE 1" = 20' - 0"
REVISIONS

SEAL
LICENSED LANDSCAPE ARCHITECT
SUSAN E. HALL
#867
STATE OF FLORIDA
08-09-22

SHEET L-5 OF 7

Falcon's Roost - Common Areas Plantlist

PLANT MATERIAL

TREES & PALMS

QTY	SYMBOL	BOTANICAL NAME	COMMON NAME	INSTALLED SIZE	SPECIFICATIONS	SPACING	NATIVE	WATER WISE	CODE MINIMUM REQUIRED	TOTAL CANOPY CREDITS	MITIGATION (INCHES)
6	BX	*Butiagrus nabonnandii X*	Mule Palm	FG	see plan for 12', 16', 18' overall heights	As shown		✓			
1	DD	*Dypsis decaryi*	Triangle Palm	25G	8' overall height.	As shown		✓			
17	**JB**	***Juniperus silicicola 'Brodie'***	**Southern Red Cedar 'Brodie'**	**25G**	**10' HT., 2.5" cal.**	As shown	✓	✓	**Coniferous**		
3	LM	*Lagerstroemia indica 'Muskogee'*	Crape Myrtle 'Muskogee'	25G	10' ht. x 4' spd., standard	As shown		✓			
12	**LS**	***Liquidambar styraciflua***	**Sweetgum**	**45G**	**12' ht. x 5'-6'spd., 3" cal.**	As shown	✓	✓	**Overstory**		
5	MD	*Magnolia grandiflora 'DD Blanchard'*	Magnolia 'DD Blanchard'	45G	11'-12' ht. x 4.5' spd., 3" cal.	As shown	✓	✓			
1	PR	*Phoenix reclinata*	Senegal Date Palm	FG	20'-24' ht., specimen	As shown		✓			
4	QV	*Quercus virginiana*	Live Oak	45G	12' ht. x 5'-6'spd., 3" cal.	As shown	✓	✓			
8	**QV**	***Quercus virginiana***	**Live Oak**	**45G**	**12' ht. x 5'-6'spd., 3" cal.**	As shown	✓	✓	**Overstory**		
6	SP	*Sabal palmetto*	Cabbage Palm	FG	see plan for 10', 12', 15' staggered clear trunk heights	As shown	✓	✓			
9	**TD**	***Taxodium distichum***	**Bald Cypress**	**45G / 65G**	**see plan for 10' & 12' overall heights**	**As shown**	✓	✓	**Coniferous**		
3	TD	*Taxodium distichum*	Bald Cypress	45G / 65G	see plan for 10' & 12' overall heights	As shown	✓	✓			

*Note: Bold plant material is required by code and shaded on the plan. All other proposed plant material is shown as landscape enhancement in addition to the LDC requirements.

SHRUBS & GROUNDCOVERS

QTY	SYMBOL	BOTANICAL NAME	COMMON NAME	INSTALLED SIZE	SPECIFICATIONS	SPACING	NATIVE	WATER WISE	CODE MINIMUM REQUIRED
22	BOU	*Bougainvillea 'Helen Johnson Dwarf'*	Dwarf Bougainvillea 'Helen Johnson'	3G	10"-12"ht. x 12" spd.	24" oc		✓	
300	IVS	*Ilex vomitoria 'Stokes Dwarf'*	Ilex 'Stokes Dwarf'	3G	10"-12"ht. x 12" spd.	24" oc	✓	✓	
32	JUP	*Juniperus chinensis 'Parsonii'*	Parson's Juniper	3G	18" spd.	24" oc		✓	
167	**MUC**	***Muhlenbergia capillaris***	**Muhly Grass**	**3G**	**20" ht., full**	**36" oc**	✓	✓	**Buffer shrub**
160	MUC	*Muhlenbergia capillaris*	Muhly Grass	3G	20" ht., full	36" oc	✓	✓	
13	SER	*Serenoa repens 'Silver Form'*	Silver Saw Palmetto	3G	14"ht. x 16" spd.	42" oc	✓	✓	
38	SCT	*Schefflera arboricola 'Trinette'*	Variegated Arboricola 'Trinette'	3G	18"ht. x 18" spd.	36" oc		✓	
43	VOB	*Viburnum obovatum*	Walter's Viburnum	15G	5'ht. x 30" spd.	36" oc	✓	✓	
83	ZAP	*Zamia pumila*	Florida Coontie	3G	10"-12"ht. x 14" spd.	30" oc	✓	✓	

MISCELLANEOUS LANDSCAPE ITEMS

1		Site Preparation- The General Contractor shall provide the rough grade, the Landscape Contractor shall provide the fine grading as specified in the plans.
4,500	SF	St. Augustine 'Floratam' Sod (at front entry & round-a-bout); Landscape Contractor to field-verify amount needed
TBD	SF	Bahia Sod (TBD by Contractor); Landscape Contractor to field-verify amount needed
30	CY	Planting Mix- 33% Clean Sharp Sand, 33% Florida Peat, 33% Well-rotted Wood Chips/Compost
9,500	SF	Mulch: Pine Straw Mulch, 3" depth
1		Irrigation - Automatic system with timer and rain sensor providing 100% coverage

Bracing, Guying, Staking & Fertilizing is to be included in the unit price for installed plant material;
This estimate reflects current market pricing as of the date listed and is subject to change.

*All material calculations are based on measurements from AutoCAD drawings and do not include shrinkage, cuts & waste, etc. Contractor is responsible for measuring & verifying quantities/calculations for the project.

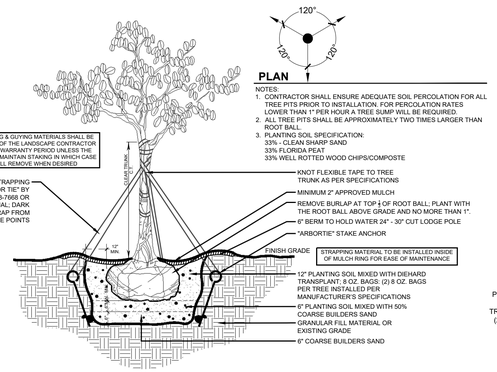
Falcon's Roost - Individual Lots Plantlist

BOULEVARD TREES (INSTALL INDIVIDUALLY DURING LOT CONSTRUCTION)

QTY	SYMBOL	BOTANICAL NAME	COMMON NAME	INSTALLED SIZE	MINIMUM SPECIFICATIONS	SPACING
12		*Lagerstroemia indica 'Muskogee'*	Crape Myrtle 'Muskogee'	30G	10' ht. x 4' spd., 2.5" cal.	As shown
16		*Ilex X attenuata 'Eagleston'*	Eagleston Holly	30G	10' ht. x 4' spd., 2.5" cal.	As shown

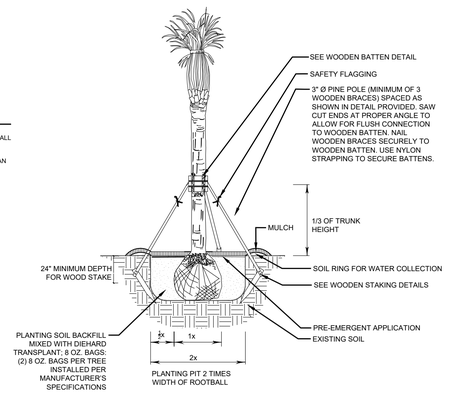
FRONT YARD TREES - SUGGESTIONS (INSTALL INDIVIDUALLY DURING LOT CONSTRUCTION)

QTY	SYMBOL	BOTANICAL NAME	COMMON NAME	INSTALLED SIZE	MINIMUM SPECIFICATIONS	SPACING
28		*Magnolia grandiflora 'DD Blanchard'*	Magnolia 'DD Blanchard'	45G	12' ht. x 5' spd., 3" cal.	As shown
		Quercus virginiana	Live Oak	45G	12' ht. x 6' spd., 3" cal.	As shown
		Taxodium distichum	Bald Cypress	45G	12' ht. x 5' spd., 3" cal.	As shown



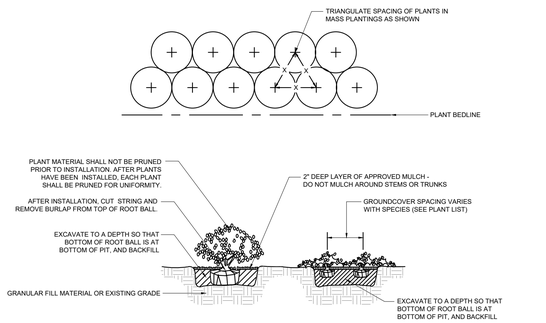
TREE PLANTING & GUYING DETAIL

N.T.S.



PALM PLANTING DETAIL

N.T.S.



SHRUB & GROUNDCOVER PLANTING DETAIL

N.T.S.

CITY OF TITUSVILLE LANDSCAPE NOTES:

1. ALL PLANTINGS SHALL BE FLORIDA #1 GRADE OR BETTER, AS DEFINED BY THE GRADES AND STANDARDS FOR NURSERY PLANTS, LATEST EDITION.
2. (3) CABBAGE PALMS MAY BE SUBSTITUTED FOR (1) UNDERSTORY TREE.
3. PER SEC. 30-322 (C), ALL NEWLY INSTALLED PLANTS SHALL MEET THE REQUIREMENTS ESTABLISHED IN TABLE 30-5, MINIMUM LANDSCAPE PLANTING SPECIFICATIONS. MINIMUM SIZES OF NEWLY PLANTED MATERIAL:
   OVERSTORY: 12' HT, 3" CAL
   CONIFEROUS: 10' HT, 2.5 CAL.
   UNDERSTORY: 8' HT, 2.5" CAL
   SHRUBS: 3GAL, 18" HT.
4. PER SEC. 30-303(A)(4), ALL LANDSCAPING SHALL BE INSTALLED IN A SOUND, WORKMANLIKE MANNER AND ACCORDING TO ACCEPTED GOOD PLANTING PRACTICE (INCLUDING MULCHED AREAS AROUND APPROPRIATE SPECIES SO AS TO PROTECT AND PRESENT A FINISHED APPEARANCE) WITH THE QUALITY OF PLANT MATERIALS AS HEREINAFTER DESCRIBED. A QUALIFIED REPRESENTATIVE OF THE CITY OF TITUSVILLE OR DESIGNATED QUALIFIED AGENT SHALL INSPECT ALL LANDSCAPING AND NO CERTIFICATES OF OCCUPANCY OR SIMILAR AUTHORIZATION WILL BE ISSUED UNLESS THE LANDSCAPING MEETS THE REQUIREMENTS PROVIDED HEREIN.
5. PER SEC. 30-304(A), THE HEALTH AND VIABILITY OF ALL REQUIRED LANDSCAPE MATERIALS ON THE SITE, WHETHER PRESERVED OR NEWLY PLANTED, MUST BE MAINTAINED THROUGH PROPER CARE OR REPLACEMENT IN PERPETUITY AFTER ISSUANCE OF THE CERTIFICATE OF OCCUPANCY, CERTIFICATE OF COMPLETION, OR RESTORATION AS MAY BE REQUIRED TO RESOLVE A CODE VIOLATION.
6. PER SEC. 30-305(A), ANY PERSON OWNING OR OCCUPYING THE SITE SHALL HAVE THE CONTINUING DUTY AND OBLIGATION TO MAINTAIN OR CAUSE THE MAINTENANCE OF ALL LANDSCAPING REQUIRED PURSUANT TO THIS ARTICLE BY THE APPROVED SITE PLAN, LANDSCAPE PLAN, OR THIS CODE IN COMPLIANCE WITH THE FOLLOWING MINIMUM MAINTENANCE STANDARDS: (1) ALL LANDSCAPING AND LANDSCAPE AREAS SHALL BE MAINTAINED SO AS TO PRESENT A NEAT AND ORDERLY APPEARANCE. (2) ALL DEAD PLANT MATERIAL SHALL BE PROMPTLY REPLACED WITH PLANT MATERIAL MEETING THE REQUIREMENTS OF THE APPROVED SITE PLAN AND LANDSCAPE PLAN. (3) TREES AND PALMS THAT ARE REMOVED, EXCESSIVELY PRUNED, DEAD, OR BEYOND RECOVERY SHALL BE REPLACED.
7. PER SEC. 2.5.1.9.3 OF THE ENVIRONMENTAL PROTECTION TECHNICAL MANUAL, TREES AND PLANTS SHOWING EVIDENCE OF CONSTRUCTION DAMAGE SHALL NOT BE CREDITED TOWARD THE VEGETATION REQUIREMENTS.
8. PER SEC. 30-303(A)(3), CLEARING OF DEVELOPMENT SITES, SHALL NOT BE ALLOWED PRIOR TO THE ISSUANCE OF A SITE CLEARING PERMIT AND SHALL BE CONSISTENT WITH THESE REGULATIONS.
9. PER SEC. 30-321(A), PLANT MATERIAL USED IN CONFORMANCE WITH THE PROVISIONS OF THIS ARTICLE SHALL BE GOOD, HEALTHY AND STURDY PLANTS. ALL PLANT MATERIAL SHALL BE FLORIDA #1 GRADE OR BETTER. PLANT MATERIALS WHICH ARE KNOWN TO BE INTOLERANT OF PAVING ENVIRONMENTS OR WHOSE PHYSICAL CHARACTERISTICS MAY BE INJURIOUS TO THE PUBLIC OR WHICH PRODUCE A QUANTITY AND/OR QUALITY OF DEBRIS SO AS TO PRESENT MAINTENANCE DIFFICULTIES SHALL NOT BE SPECIFIED FOR USE UNDER THIS ARTICLE.
10. PER SEC. 30-321(C), GROUND COVERS, OTHER THAN GRASS, SHALL BE PLANTED IN SUCH A MANNER SO AS TO PRESENT A FINISHED APPEARANCE AND REASONABLY COMPLETE COVERAGE WITHIN SIX (6) MONTHS AFTER PLANTING (SEE LANDSCAPE TECHNICAL MANUAL).
11. PER SEC. 30-321(D), GRASS AREAS SHALL BE PLANTED IN SPECIES NORMALLY GROWN AS PERMANENT LAWNS IN BREVARD COUNTY. SEEDING AND SPRIGGING MAY BE USED IF GRASS COVER IS COMPLETE WITHIN SIX (6) MONTHS, OR SODDING WILL BE REQUIRED (SEE LANDSCAPE TECHNICAL MANUAL).
12. PER SEC. 30-321(G), OVERSTORY TREES SHALL BE SPECIES HAVING AN AVERAGE MATURE SPREAD OF CROWN OF GREATER THAN TWENTY (20) FEET AND REACH A MATURE HEIGHT OF AT LEAST SIXTY (60) FEET, AND HAVING A TRUNK WHICH CAN BE MAINTAINED IN A CLEAN CONDITION WITH OVER FIVE (5) FEET OF CLEAR WOOD (NO BRANCHES). TREES, INCLUDING PALMS, HAVING AN AVERAGE MATURE SPREAD OF CROWN LESS THAN TWENTY (20) FEET MAY BE ARRANGED IN GROUPINGS SO AS TO CREATE THE EQUIVALENT OF TWENTY-FOOT CROWN SPREAD AND SHALL COUNT AS ONE (1) REQUIRED TREES. INVASIVE SPECIES SHALL NOT BE USED TO FULFILL THE REQUIREMENTS OF THIS ARTICLE (SEE LANDSCAPE TECHNICAL MANUAL).
13. PER SEC. 30-372(B), SOIL IN ALL PLANTING AREAS IS TO BE OF SUITABLE QUALITY WITH ADEQUATE PH VALUE AND NO LARGE AGGREGATES SO AS TO SUPPORT HEALTHY PLANT LIFE.
14. PER SEC. 30-372(c) ALL NEWLY PLANTED TREES SHALL BE PLANTED IN A MULCHED AREA OF AT LEAST TWENTY-FIVE (25) SQUARE FEET WITH THE MINIMUM DIMENSIONS OF FIVE (5) FEET.
15. PER SEC. 30-382 (B)(4), NO SHRUBS OR OTHER LANDSCAPING MATERIAL SHALL BLOCK THE VISUAL ACCESS BETWEEN THIRTY (30) INCHES AND EIGHT (8) FEET AND SHALL BE MAINTAINED AS SUCH.
16. ALL COMMERCIAL FERTILIZER APPLICATIONS APPLIED IN COMMON LANDSCAPE AREAS SHALL COMPLY WITH THE CITY OF TITUSVILLE'S FERTILIZER ORDINANCE (ORD. NO. 2013-36).

- DO NOT FERTILIZE BETWEEN JUNE 1 - SEPTEMBER 30.
- FERTILIZERS SHALL NOT CONTAIN PHOSPHATES UNLESS A PLANT TEST SHOWS THAT THERE IS A PHOSPHORUS DEFICIENCY.
- NITROGEN IN FERTILIZER SHALL BE AT LEASE 50% SLOW RELEASE.
- FERTILIZER MAY NOT BE APPLIED WITHIN 10 FEET OF ANY WATER BODY.
- FERTILIZER MAY NOT BE APPLIED WITHIN 25 FEET OF THE SHORELINE OF THE INDIAN RIVER LAGOON.
- DEFLECTOR SHIELDS ARE REQUIRED WHEN USING BROADCAST SPREADERS.
- DO NOT APPLY TO IMPERVIOUS AREAS AND REMOVE IF DEPOSITED TO SUCH AREAS.
- FERTILIZER MAY NOT BE BLOWN OR WASHED INTO STORMWATER DRAINS OR WATER BODIES.

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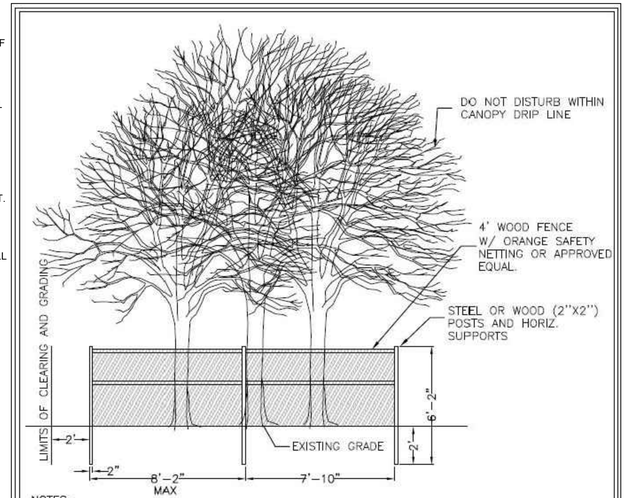

NOTES:
1. PREVENT SOIL CONTAMINATION BY CONSTRUCTION MATERIALS, E.G. CONCRETE, GYPSUM PRODUCTS, ACIDS, CLEANSERS OR MORTAR.
2. PRIOR TO ANY CLEARING, GRADING OR CONSTRUCTION, PROTECTION BARRIERS SHALL BE PLACED AROUND ALL TREES TO BE RETAINED ON THE SITE PLAN TO PREVENT THE DESTRUCTION OR DAMAGING OF TREES. MATERIAL SHALL NOT BE STOCKPILED WITHIN THIS DEFINED AREA AND VEHICLES AND OTHER EQUIPMENT SHALL BE EXCLUDED TO AVOID SOIL COMPACTION. CONTRACTOR TO MAINTAIN TREE BARRIERS THROUGH CONSTRUCTION. NOTIFY CITY ENGINEERING SITE INSPECTOR PRIOR TO BARRIER REMOVAL.
3. PRIOR TO SITE CLEARING, CITY ENGINEERING SITE INSPECTOR TO REVIEW PLACEMENT OF TREE PROTECTION BARRIER AND TREE SAVE AREA FOR THE POSSIBILITY OF SHIFTING TREE SAVE AREA TO ACCOMMODATE ADDITIONAL SPECIMEN TREES.
4. BOARDS OR WIRES OF A NON-PROTECTIVE NATURE WILL NOT BE NAILED OR ATTACHED TO TREES DURING BUILDING OPERATIONS.
5. HEAVY EQUIPMENT OPERATORS WILL BE CAUTIONED TO AVOID DAMAGE TO EXISTING TREE TRUNKS AND ROOTS DURING LAND LEVELING OPERATIONS, TUNNELING AND TRENCHING FOR UTILITIES NEAR EXISTING TREES SHOULD COMPLY WITH THE REQUIREMENTS OF THE CITY OF TITUSVILLE.

TYPICAL TREE PROTECTION GUARD	DEPARTMENT OF ENGINEERING SERVICES	
CITY OF TITUSVILLE, FLORIDA	FIG:	REV: 01/2007
	SCALE: NTS	SHT: 1 OF 1

ADDITIONAL TREE BARRICADE NOTES:
1. BARRICADES SHALL BE INSTALLED A MINIMUM OF TWENTY (20) FEET FROM A PROTECTED TREE OR AT THE DESIGNATED PROTECTIVE ROOT ZONE. A PROTECTED TREE IS A TREE EQUAL TO OR GREATER THAN 20 INCHES DBH.
2. THE PROTECTIVE ROOT ZONE SHALL BE DETERMINED AS THE DIAMETER (IN FEET) CENTERED ON THE TREE THAT IS TWELVE (12) TIMES THE MEASURED DBH OF THE EXISTING TREE. FOR EXAMPLE, A 24" DBH TREE WOULD HAVE A 24' DIAMETER PROTECTIVE ROOT ZONE.

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SHEET TITLE
ENLARGED LANDSCAPE PLAN & DETAILS

DATE 08-09-22
DESIGN S.H.
DRAWN M.M.
SCALE 1" = 20' - 0"
REVISIONS

SEAL
08-09-22

SHEET L-6 OF 7

LANDSCAPE SPECIFICATIONS:

1.00 GENERAL

1.01 The Contractor is reminded that the General Conditions and / or Special Conditions of this contract govern the work of this section of the Specifications whether attached hereto or not. Subcontractors undertaking to perform work under this Section shall be made fully aware of these documents and of their responsibilities and obligations thereunder. In the event of any discrepancies between the drawings and specifications and the following 'Scope of Work', the latter shall prevail.

2.00 SCOPE OF WORK

2.01 The work of this Section shall include all labor, materials, equipment, appliances, and accessories necessary for the complete performance of all excavation, grading, planting and backfill work in accordance with these Specifications and the Contract Drawing. Without restricting the generality of the foregoing, the items listed below and similar items shown on the Contract Drawings shall constitute the work of this Section:

A. Finish grading and final site preparation of all areas to be landscaped.
B. Furnishing and incorporating fertilizer and other soil amendments.
C. Furnishing plant materials and grass materials and installing same.
D. Furnishing and placing 'Planting Mixture' and other miscellaneous items to complete the work.
E. Replacement of unsatisfactory plant material.
F. Clean-up.

3.00 SITE PREPARATION

3.01 The Contractor shall provide finish grading and final preparation of all areas to be landscaped to within 2" of finish grade. This will require raking and pulverizing of all areas in order to crumble dirt, clogs and / or debris. The Landscape Contractor shall be responsible for finish grading, which is the top 2" of the site.

4.00 MATERIALS

4.01 Plant materials shall be furnished by the Landscape Contractor and as indicated on the plans. All plant materials shall meet or exceed the following standards.

A. Plant species and sizes shall conform with plant list. Nomenclature shall conform to Standardized plant names, in accordance with the latest edition of the Florida Department of Agriculture's Grades and Standards for Nursery Plants.
B. All plants shall be nursery grown or as stipulated herein and shall comply with all required inspections, grading standards and plant regulations as set forth in the Florida Department of Agriculture 'Grades and Standards for Nursery Plants' , including revisions. Ensure that plant materials are shipped with tags stating the botanical and common name of the plant.
C. The minimum grade for all trees, palms, shrubs, and groundcovers shall be Florida No. 1 and shall meet or exceed the size and quality standards of the American Association of Nursery Stock, sponsored by the American Association of Nurserymen, latest addition, unless otherwise indicated and all plants shall be sound, healthy and vigorous, well-branched and densely foliated when in leaf. They shall have healthy, well developed root systems and shall be free of disease and insect pests, eggs or larvae. Florida Fancy material shall be provided where plant list specifies 'specimen'.
D. The determining measurements for trees shall be the height and spread, and shall be measured from the top of the plant to the root crown, not to include the immediate terminal growth. Their width shall be measured across the normal spread of the branches. Both measurements shall be made with the plants in their normal position.
E. Plants larger in size than those specified may be used with approval of the Landscape Architect at no additional cost to the Owner. If the use of the larger plants is approved, the ball of earth or spread of roots shall be increased proportionately.
F. Container grown plants the same quality as balled and burlapped plants may be substituted in lieu thereof. Plants grown in containers shall be delivered and remain in the containers in a shady location until planted. Plants in containers shall be watered prior to transportation and shall be kept moist until planted. The container must be removed prior to planting, with care as not to injure the roots.
G. Grass materials shall consist of the following:
   1. Sod: Solid sod shall be as indicated on the drawings. Sod must be strongly rooted and free of pernicious weeds. Mow to a height not to exceed 1 1/2" before lifting. Lifts shall have a uniform thickness of 1 inch to 1 1/2 inches. Sod containing nutgrass, lippia water sedge, dollar weed, or other common turfweed species (if applicable), will not be accepted.
   2. Sodding installation:
      a) Sodding shall be done as soon as practical following finish grading. The day before sod installation, the contractor shall rake 50# Milorganite per 1000 sf of area to receive sod. Ground shall be leveled with the back of a rake and sod laid with joints closely butted so that no voids are visible, keeping surface of sod flush with the adjoining seeded areas and or pavements. Lay sod to form a solid mass with tightly fitted joints. Butt ends and sides of sod strips; do not overlap. Hand tamp to ensure contact with subgrade, and water thoroughly with a fine spray immediately after laying.
      b) After sod is in place, it shall be top dressed with sufficient sharp, clean 60% sand/40% muck soil mix to fill all voids remaining and thoroughly watered to wash the top dressing into the sodded surface.
      c) All sod areas shall then be rolled using a vibrating #1500 sod roller if deemed necessary by the Landscape Architect, following installation.
      d) It is the Landscape Contractor's responsibility to keep new sod properly watered until completion of the contract. All watering shall meet specifications according to 'Grades and Standards' Section 983.

H. Substitutions in plant species or size will be made only with prior written permission of the Landscape Architect.
I. If, in the opinion of the Landscape Architect, materials and/or work do not conform with the plans and specifications, it may be rejected and upon rejection, must be removed immediately from the site by the Contractor and replaced.
J. The Contractor shall be responsible for the certification and inspection of plant material that may be required by local, state, or federal authorities and shall bear the cost of the same, if any.

4.02 Materials used to install the job shall meet or exceed the following standards:

A. Planting mix to be used for planting shall be: 1/3 coarse sand, 1/3 Florida peat,1/3 well rotted pine chips or compost. 70% sand / 30% muck shall be used in planters or areas with poor drainage.
B. Fertilizers: Fertilizer shall be delivered mixed as specified in standard bags, sealed, and showing weight by analysis and name of manufacturer. Fertilizer shall be stored in weatherproof storage and in such a manner that its effectiveness will not be impaired.
C. Mulch: Mulch shall be Pine Straw Mulch or approved equal.
D. Water: All water required for the execution of the work shall be supplied at the site by the Owner.

5.00 INSTALLATION

5.01 The Planting operations used to install the job shall meet or exceed the following standards:

A. Excavation of Plant Pits: Plant pit excavations shall be roughly cylindrical in shape, with their side approximately vertical. Pit shall be excavated so that bottom of pit is same depth as root ball. Plants shall be centered in the hole, with the trunk location as shown in the plans. Holes for balled and burlapped plants shall be large enough to allow 12" minimum (depending on root ball size) of back fill around the sides of the root ball, and 12" of back fill beneath the root ball. In all cases the diameter of the plant hole shall be twice the diameter of the root ball. Where excess material has been excavated from the plant hole, the excavated material may be used to backfill to the proper level. Mix existing excavated material in 50% / 50% ratio with new planting soil mix. The Contractor, in excavation for plantings shall take care not to damage underground utilities or other sub-surface obstructions, and shall be held liable for their repair, if damaged.
B. Setting Plants: All trees shall be set so, that when settled, the top of the root ball will be flush with the surrounding area of the finish grade or slightly above finish grade. Each plant shall be planted in planting soil mix in the center of the pit. Shrubs shall be set flush with the surrounding finish grade of the planting area. The back fill shall be made with prepared planting in mixture as specified herein and shall be firmly rodded and watered, so that no air-pockets remain. The quantity of water applied immediately upon planting shall be sufficient to thoroughly moisten all of the backfilled earth. Plants shall be kept in a moistened condition the duration of the planting.
C. Staking and Guying: All trees shall be staked or guyed as shown in the details and according to the following specifications.
   1. Use wide plastic, rubber or other flexible strapping materials to support the tree to stakes or ground anchors that will give as the tree moves in any direction up to 30 degrees. Use strapping material 'Arbor Tie' by Deep Root (800) 458-7668 dark green color, or approved equal. Do not use rope or wire through a hose. Use guy chords, hose or any other thin bracing or anchorage material which has a minimum 12" [300 mm] length of high visibility flagging tape secured to guys, midway between the tree and stakes for safety.
   2. Stake trees larger than 1" [25 mm] diameter and smaller than 2" [50 mm] diameter with a 2" by 2" [50 by 50 mm] stake, set at least 2' [0/6 m] in ground and extending to the crown of the plant. Firmly fasten the plant to the stake with flexible strapping materials as noted above.
   3. TREES OF 2 TO 3 ½" [50 MM TO 90 MM] CALIPER: Stake all trees, other than palm trees, larger than 2" [50 mm] caliper and smaller than 3 ½" [90 mm] caliper with two 2" by 4" [50 by 100 mm] stakes, 8' [2.4 m] long, set 2' [0.6 m] in the ground. Place the tree midway between the stakes and hold it firmly in place by flexible strapping materials as noted above.
   4. LARGE TREES: Guy all trees, other than palm trees, larger than 3 ½" [90 mm] caliper, from at least three points, with flexible strapping materials as noted above. Anchor flexible strapping to 2" by 4" by 24" [50 by 100 by 600 mm] stakes, driven into the ground such that the top of the stake is at least 3" [75 mm] below the finished ground.
   5. SPECIAL REQUIREMENTS FOR PALM TREES: Brace palms which are to be staked with three 2" by 4" [50 by 100 mm] wood braces, toe-nailed to cleats which are securely banded at two points to the palm, at a point one third the height of the trunk. Pad the trunk with five layers of bubble wrap under the cleats. Place braces approximately 120 degrees apart and secure them underground by 2" by 4" by 12" [50 by 100 by 300 mm] stake pads. Paint wood flat dark green exterior paint, two coats.
   6. TREE PROTECTION AND ROOT BARRIERS: Install tree barriers when called for in the Contract Documents or by the Landscape Architect to protect existing trees from damage during project construction. Place barricades at the drip line of the tree foliage or as far from the base of the tree trunk as possible. Barricades shall be able to withstand bumps by heavy equipment and trucks. Maintain barricades in good condition. When called for in the Contract Documents, install root barriers or fabrics in accordance with the details shown.
D. Pruning: All broken or damaged roots or branches shall be cut smoothly and the tops of all trees shall be pruned in a manner complying with standard horticultural practice. At the time pruning is completed, all remaining wood shall be alive.
E. Mulching: Within one week after planting, mulch material shall be uniformly applied to a minimum loose thickness of 2 inches, over the entire area of the backfilled hole or bed. The mulch shall be maintained continuously in place until the time of final inspection, and must be a minimum of 2 inches thick to be accepted. Mulch shall not be placed against stems or trunks.
F. Fertilizing: Feeding of all trees and specimen shrubs shall be done with a slow release granular 12-6-8 with complete minors turf and ornamental fertilizer, as per manufacturer's instructions. Contractor shall submit and label to the Landscape Architect for approval prior to application.

6.00 MAINTENANCE

6.01 Maintenance and hand watering of all trees, shrubs and groundcover by the Landscape Contractor shall terminate upon final acceptance of such work, but shall not discharge the Landscape Contractor from his responsibility to honor the guarantee period. Maintenance prior to final acceptance shall include the removal of all dead or dying twigs and branches, the weeding, watering and normal pruning of plant material.

7.00 GUARANTEE

7.01 The Landscape Contractor shall guarantee and maintain all new field grown trees and all field grown palms for a period of one year. All containerized trees, shrubs, and groundcovers for a period of 180 days, and all sod for a period of 90 days. The Landscape Contractor shall replace at the direction of the Landscape Architect all trees, shrubs, or groundcovers deemed by the Landscape Architect to be unacceptable, due to death or damage; acts of God, Owner negligence and vandalism excepted. The guarantee period shall begin upon substantial completion of the job, as determined by the landscape architect.

7.02 New material used to replace material unacceptable to the Landscape Architect, shall be guaranteed for similar period from date of installation.

8.00 FINAL INSPECTION AND ACCEPTANCE

8.01 The Landscape Contractor shall advise the Landscape Architect in writing at the end of the guarantee period that the project is ready for final inspection. Only upon notification to the Landscape Architect by the Landscape Contractor in writing and subsequent inspection attended by the Landscape Contractor shall the requirements of the guarantee be met.

9.00 CLEAN-UP

9.01 Upon completion of all work under this section, the Landscape Contractor shall clear the site of all debris, superfluous material and all equipment to the satisfaction of the Landscape Architect

9.02 End

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SHEET TITLE
LANDSCAPE SPECIFICATIONS

DATE 08-09-22

DESIGN S.H.

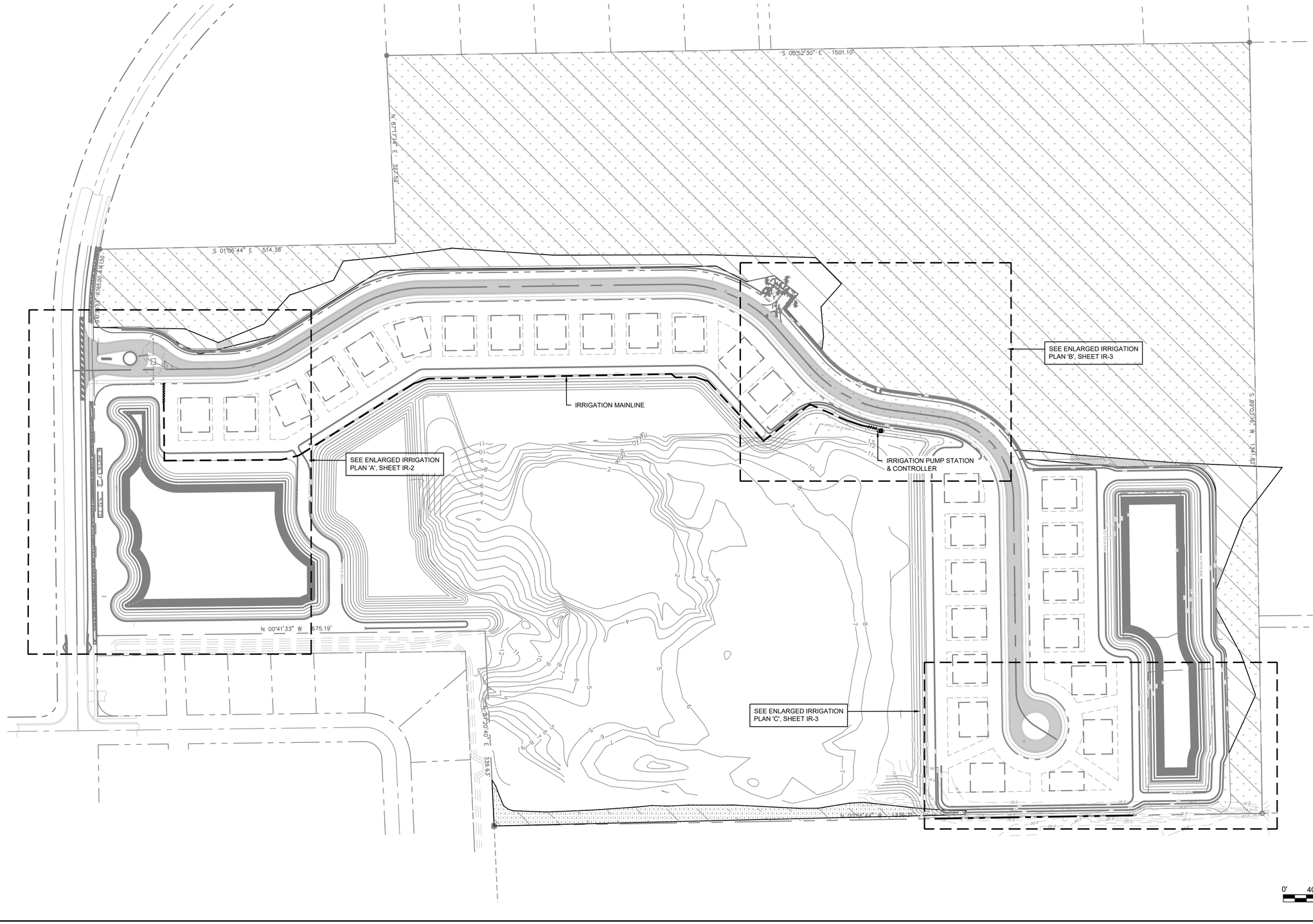
DRAWN M.M.

SCALE 1" = 20' - 0"

REVISIONS

SEAL
SUSAN HALL LANDSCAPE ARCHITECT #6667 STATE OF FLORIDA
08-09-22

L-7 SHEET | 7 OF



NOTE TO CONTRACTOR:
CONTRACTOR SHALL VERIFY WITH THE LANDSCAPE ARCHITECT THAT HE / SHE HAS THE MOST CURRENT LANDSCAPE PLANS PRIOR TO COMMENCEMENT OF WORK OR PROCUREMENT OF LANDSCAPE MATERIAL.

0' 40' 80' 160' 240'
SCALE: 1" = 80'-0"

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SHEET TITLE
OVERALL IRRIGATION PLAN

DATE 08-09-22
DESIGN S.H.
DRAWN M.M.
SCALE 1" = 80' - 0"
REVISIONS

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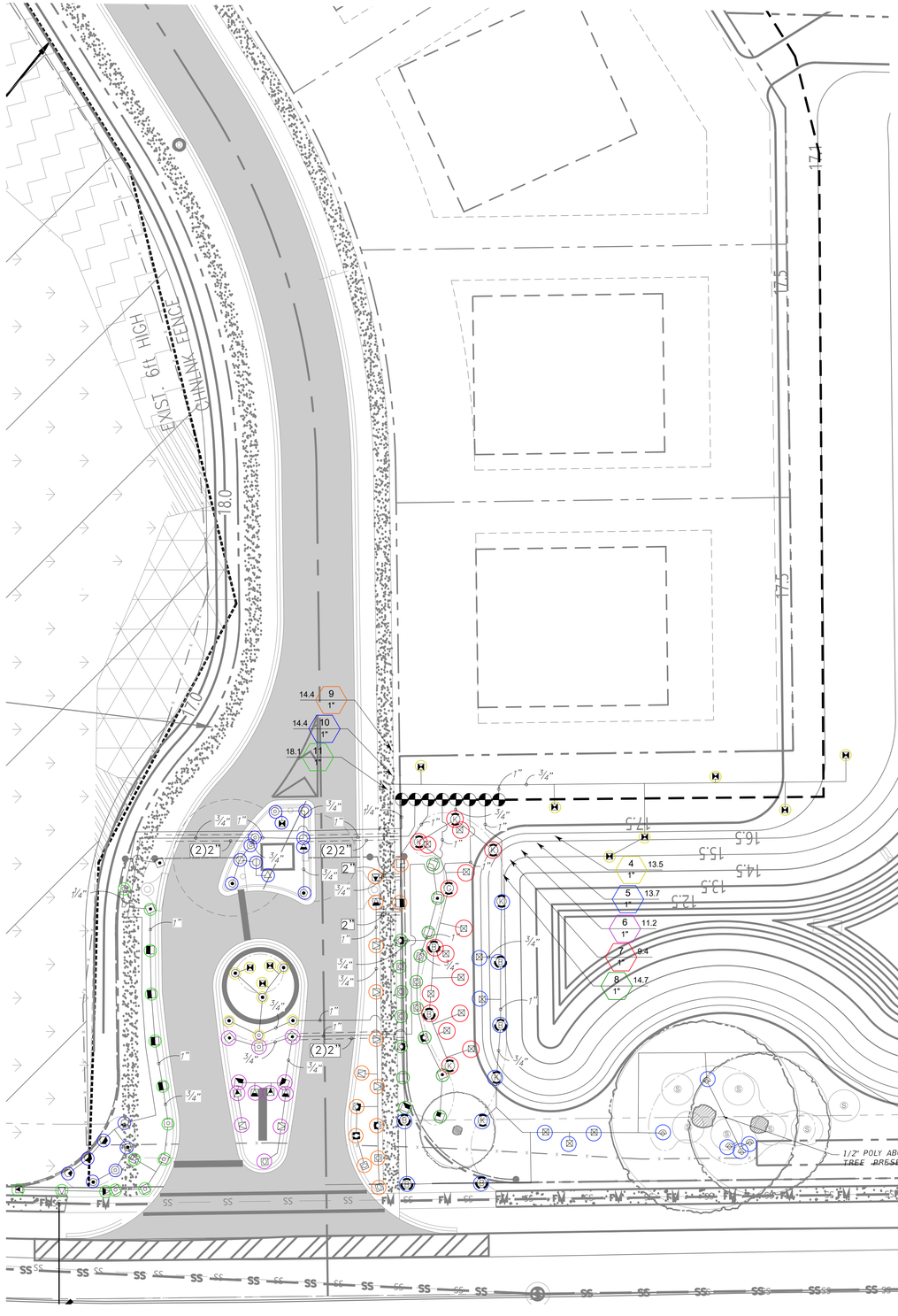
SUSAN ELIZABETH HALL
REGISTERED LANDSCAPE ARCHITECT
No. 6666666
STATE OF FLORIDA
08-09-22

SHEET IR-1 OF 4



IRRIGATION LEGEND

SYMBOL	MANUFACTURER/MODEL	QTY	ARC	PSI	GPM	RADIUS
	Hunter PROS-06 5' strip spray	8	LCS	30	0.65	5'x15'
	Hunter PROS-06 5' strip spray	8	RCS	30	0.65	5'x15'
	Hunter PROS-06 5' strip spray	15	SST	30	1.30	5'x30'
	Hunter PROS-06 8' radius	8	180	30	0.47	8'
	Hunter PROS-06 10' radius	5	180	30	0.88	10'
	Hunter PROS-06 12' radius	2	180	30	1.30	12'
	Hunter PROS-06 12' radius	1	90	30	0.67	12'
	Hunter PROS-06 12' radius	1	120	30	0.84	12'
	Hunter PROS-06 15' radius	5	180	30	1.86	15'
	Hunter PROS-06 15' radius	1	90	30	0.97	15'
	Hunter PROS-06 15' radius	3	120	30	1.30	15'
	Hunter PROS-06 adjustable arc	3	Adj	30		8'
	Hunter PROS-06 adjustable arc	1	Adj	30		10'
	Hunter PROS-06 adjustable arc	6	Adj	30		12'
	Hunter PROS-06 adjustable arc	6	Adj	30		15'
	Hunter PROS-12 5' strip spray	1	RCS	30	0.65	5'x15'
	Hunter PROS-12 5' strip spray	1	SST	30	1.30	5'x30'
	Hunter PROS-12 8' radius	2	180	30	0.47	8'
	Hunter PROS-12 10' radius	2	180	30	0.88	10'
	Hunter PROS-12 10' radius	2	90	30	0.42	10'
	Hunter PROS-12 12' radius	2	90	30	0.67	12'
	Hunter PROS-12 adjustable arc	1	Adj	30		8'
	Hunter PROS-12 adjustable arc	4	Adj	30		10'
	Hunter PROS-12 adjustable arc	4	Adj	30		12'
	Hunter PROS-12 adjustable arc	5	Adj	30		15'
	Hunter PROS-06 with MP3000	1	360	40	3.64	30'
	Hunter PROS-06 with MP3000	2	90-210	40		30'
	Hunter PROS-06 with MP Corner	5	Adj	40		13'
	Hunter PROS-12 with MP1000	15	90-210	40		14'
	Hunter PROS-12 with MP2000	1	210-270	40		19'
	Hunter PROS-12 with MP2000	7	90-210	40		19'
	Hunter PROS-12 with MP3000	10	90-210	40		30'
	Two Hunter HE-60T	16 x2	360	30	2 x.12	3'
	Two Hunter PCB-25	48 x2	360	30	2 x.25	3'

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	Two Hunter HEB-20	13 x2

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	Hunter PGV-101 in a 10" Valve Box. Install a 1" PVC ball valve in a 10" valve box prior to each group of control valves.	12
	Hunter PC-400-PL with PC-DM Kit Two Wire	1
S	Hunter Solar-Sync Weather Sensor	1
PS	Pump System- Install a Goulds Irrigator GT10 pump. See note 20	1
	Irrigation Lateral Line: PVC Class 160 Install ¾" poly in tree preservation areas as noted.	7,000 l.f.
	Irrigation Mainline: PVC 1-1/2" Class 200	1,500 l.f.
	Pipe Sleeve: PVC Schedule 40	

IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR THEIR OWN TAKE OFF

Valve Callout
- Valve Number
- Valve Flow
- Valve Size

WATERING SCHEDULE

NUMBER	MODEL	TYPE	WATER USE
1	Hunter	Turf Spray	High
2	Hunter	Shrub Spray	Moderate
3	Hunter	Shrub Spray	Moderate
4	Hunter	Shrub Spray	Moderate
5	Hunter	Shrub Spray	Moderate
6	Hunter	Turf Spray	High
7	Hunter	Shrub Spray	Moderate
8	Hunter	Turf Spray	High
9	Hunter	Turf Spray	High
10	Hunter	Turf Spray	High
11	Hunter	Turf Spray	High
12	Hunter	Shrub Spray	Moderate

The rest of the site is non-irrigated Bahia Turf and/or Conservation area. — Low water use

IRRIGATION ENLARGEMENT PLAN 'A'

0' 10' 20' 40' 60'
SCALE: 1" = 20'-0"

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SHEET TITLE: ENLARGED IRRIGATION PLAN

DATE: 08-09-22
DESIGN: S.H.
DRAWN: M.M.
SCALE: 1" = 20' - 0"
REVISIONS:
SEAL
08-09-22

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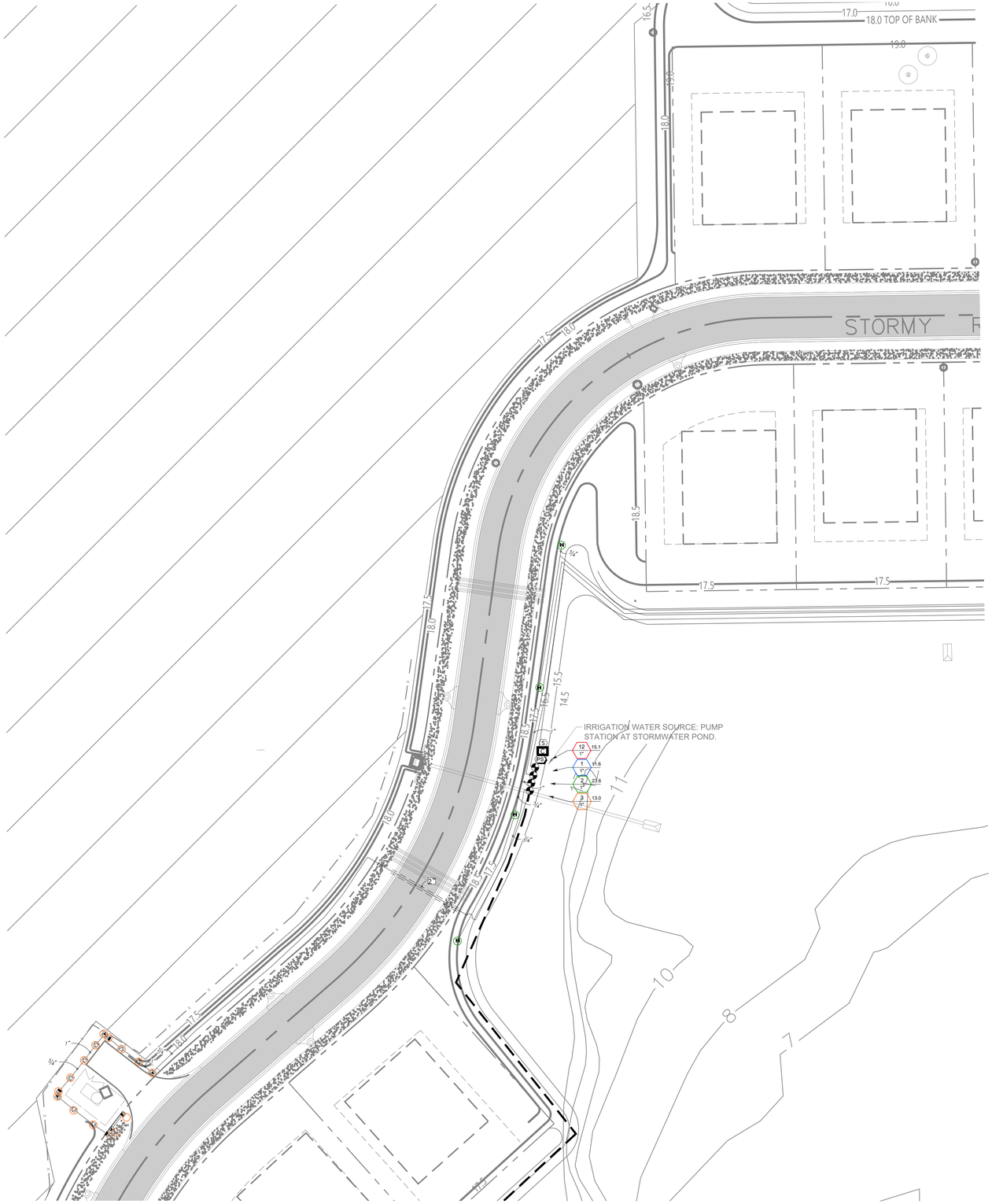
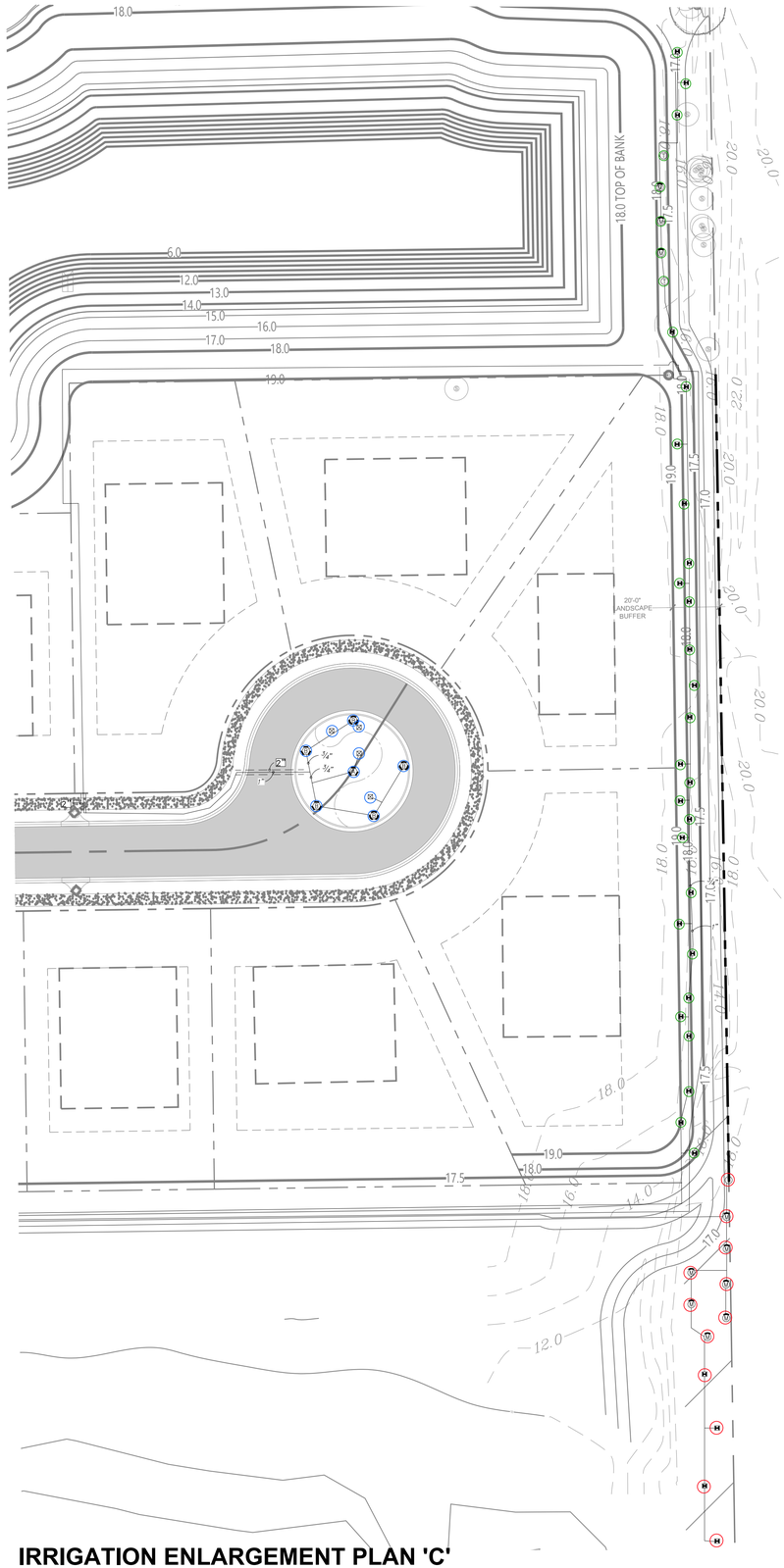
SHEET | OF



IRRIGATION ENLARGEMENT PLAN 'B'



IRRIGATION ENLARGEMENT PLAN 'C'

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SHEET TITLE
ENLARGED IRRIGATION PLAN

DATE 08-09-22

DESIGN S.H.

DRAWN M.M.

SCALE 1" = 20' - 0"

REVISIONS

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REGISTERED LANDSCAPE ARCHITECT
FLORIDA
08-09-22

IR-3 SHEET | 4 OF

IRRIGATION NOTES

1. THE PLANS AND DRAWINGS ARE DIAGRAMMATIC OF THE WORK TO BE PERFORMED. SOME COMPONENTS MAY BE SHOWN OUTSIDE THE WORK AREA FOR CLARITY. THE WORK SHALL BE EXECUTED IN A MANNER TO AVOID CONFLICTS WITH UTILITIES AND OTHER ELEMENTS OF CONSTRUCTION, INCLUDING LANDSCAPE MATERIALS. ALL DEVIATIONS FROM THE PLANS SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE BEFORE BEING INSTALLED. THE CONTRACTOR SHALL NOT WILLFULLY INSTALL ANY ASPECT OF THE IRRIGATION SYSTEM AS SHOWN ON THE PLANS AND DRAWINGS, WHEN IT IS OBVIOUS IN THE FIELD THAT OBSTRUCTIONS, GRADE DIFFERENCES, OR DISCREPANCIES EXIST THAT MIGHT NOT HAVE BEEN KNOWN DURING THE DESIGN OF THE IRRIGATION SYSTEM. IN THE EVENT THAT NOTIFICATION OF THE CONFLICT IS NOT APPROVED BY THE OWNER'S REPRESENTATIVE, THE CONTRACTOR WILL ASSUME FULL RESPONSIBILITY FOR ALL REVISIONS.

2. THE IRRIGATION SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE PLANS, IRRIGATION SYSTEM SPECIFICATIONS AND ALL CONTRACT DOCUMENTS. THE CONTRACTOR SHALL COMPLY WITH ALL PREVAILING LOCAL CODES, ORDINANCES, AND REGULATIONS.

3. CONTRACTOR SHALL VERIFY ALL SITE CONDITIONS, INCLUDING UTILITY LOCATIONS, BEFORE INSTALLATION OF THE IRRIGATION SYSTEM. ALL UTILITIES AND STRUCTURES MAY NOT BE SHOWN ON THE PLANS - CONTRACTOR TO VERIFY. COORDINATE ALL IRRIGATION SYSTEM CONSTRUCTION WITH EXISTING AND NEW PLANTINGS TO AVOID CONFLICT OR INTERFERENCE WITH LOCATION OF PIPING, SLEEVING, CABLES, AND SERVICE UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING INSTALLATION WITH ALL OTHER CONSTRUCTION ON SITE, ESPECIALLY LANDSCAPE INSTALLATION. IRRIGATION SYSTEM SHALL BE RELOCATED AT NO ADDITIONAL COST FOR ANY CONFLICT WITH LANDSCAPE INSTALLATION OR ANY OTHER SITE CONSTRUCTION OR EXISTING CONDITIONS. ALL COMPONENTS THAT ARE NOT CONTAINED WITHIN THE SPECIFIC AREAS SHOWN OR CALLED OUT ON THE DRAWINGS WILL NOT BE ACCEPTED. ALL PIPING AND OTHER COMPONENTS ARE TO REMAIN WITHIN THE PROPERTY OF THE OWNER.

4. WHERE EXISTING OR NEW TREES, LIGHT STANDARDS, SIGNS, ELECTRONIC CONTROLLERS AND/OR OTHER OBJECTS ARE AN OBSTRUCTION TO AN IRRIGATION SPRINKLER'S PATTERN, THE COMPONENT AND PIPING SHALL BE RELOCATED AS NECESSARY TO OBTAIN PROPER COVERAGE OF AN IRRIGATION SPRINKLER'S PATTERN, THE COMPONENT AND PIPING SHALL BE RELOCATED AS NECESSARY TO OBTAIN THE PROPER COVERAGE WITHOUT DAMAGING THE OBSTRUCTION. OWNER'S REPRESENTATIVE SHALL DETERMINE WHETHER AN OBSTRUCTION OCCURS OR NOT.

5. COMPONENT SPACINGS ARE MAXIMUM. DO NOT EXCEED SPACINGS SHOWN OR NOTED ON THE PLANS. COMPONENT SPACINGS MAY BE ADJUSTED TO ACCOMMODATE CHANGES IN TERRAIN AND PLANTING LAYOUT AS LONG AS THE MODIFIED SPACINGS DO NOT EXCEED THE SPACINGS SHOWN IN THE PLANS. UNLESS SHOWN OTHERWISE, CONTRACTOR SHALL PROVIDE 100% COVERAGE.

6. ALL MATERIALS AND EQUIPMENT SHOWN SHALL BE NEW AND INSTALLED AS DETAILED ON THE PLANS. IF THE DRAWINGS DO NOT THOROUGHLY DESCRIBE THE TECHNIQUES TO BE USED, THE INSTALLER SHALL FOLLOW THE INSTALLATION METHODS AND INSTRUCTIONS RECOMMENDED BY THEIR MANUFACTURER.

7. THE LOCATION OF THE IRRIGATION MAINLINE SHALL BE IDENTIFIED IN THE FIELD AND APPROVED BY THE OWNER'S REPRESENTATIVE BEFORE INSTALLATION.

8. IRRIGATION CONTRACTOR SHALL ADJUST ALL SPRINKLERS, CONTROLLER AND OTHER DEVICES TO OBTAIN SPECIFIED OPERATING PARAMETERS, INCLUDING COVERAGE, OPERATING PRESSURE, FLOW RATES AND OPERATION TIME, AS INDICATED ON THE DRAWINGS AND IN THE IRRIGATION SYSTEM SPECIFICATIONS.

9. CONTRACTOR TO PROVIDE INSTALLATION SHOP DRAWINGS AND MANUFACTURER PRODUCT INFORMATION FOR ALL IRRIGATION COMPONENTS. ALL INSTALLATIONS SHALL BE AS RECOMMENDED BY MANUFACTURERS. THE QUANTITIES SHOWN IN THE LEGENDS AND SYMBOL SHEETS SHALL NOT BE USED FOR BIDDING PURPOSES. THE CONTRACTOR WILL BE RESPONSIBLE FOR CONDUCTING A COMPREHENSIVE MATERIALS TAKEOFF TO DETERMINE THE ACTUAL QUANTITIES OF MATERIAL NECESSARY TO EXECUTE THE WORK DESCRIBED IN THE DOCUMENTS.

10. ALL TRENCHES SHALL BE BACKFILLED WITH CLEAN, DEBRIS-FREE MATERIALS. CLEAN SAND SHALL BE USED FOR BEDDING MATERIAL IF PARENT SOIL CANNOT BE ADEQUATELY RID OF ROCK AND OTHER EXTRANEOUS DEBRIS. PULLING PIPE SHALL BE PROHIBITED.

11. ALL SOLVENT WELDING SHALL BE PRECEDED BY PRIMING OF THE FITTINGS AND PIPE AS RECOMMENDED BY THE MANUFACTURER.

12. IRRIGATION CONTROL WIRE TO BE ONE RED AND ONE BLUE CONTROL WIRE INSTALLED FROM THE CONTROLLER WITH THE MAINLINE TO SERVICE ALL VALVES. ALL WIRE SPLICES SHALL BE MADE WITH 3M-DBY WIRE CONNECTORS. INSTALL HUNTER EZI DECODERS AT ALL VALVE LOCATIONS.

13. LOCATE ALL VALVES IN PLANTING BEDS OR MULCHED AREAS WITH A MINIMUM OFFSET OF 3'-0" FROM BACK OF CURB OR EDGE OF PAVEMENT.

14. ALL IRRIGATION LINES UNDER PAVEMENT SHALL BE INSTALLED WITHIN SCH 40 PVC SLEEVES AS NOTED. IRRIGATION COMMUNICATION CABLE SHALL HAVE IT'S OWN SEPARATE SLEEVE.

15. THE IRRIGATION CONTRACTOR SHALL BE DIRECTLY RESPONSIBLE FOR ALL SLEEVING.

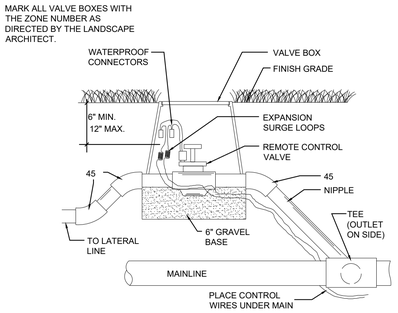
16. ALL UNSIZED PIPE SHALL BE 3/4".

17. IRRIGATION LATERAL LINES TO BE BURIED AT A DEPTH OF 12" UNLESS NOTED OTHERWISE.

18. IRRIGATION MAINLINES TO BE BURIED AT A DEPTH OF 18" UNLESS NOTED OTHERWISE.

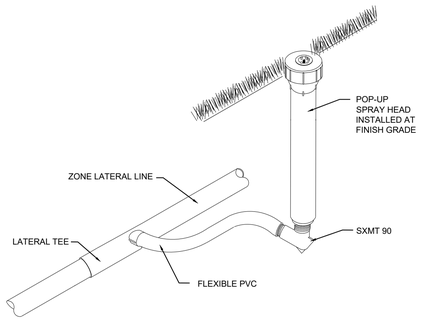
19. ALL COMPONENTS INSTALLED BY THE IRRIGATION CONTRACTOR, SHALL BE LOCATED ON THE "AS-BUILT" DRAWINGS. THE EXACT LOCATION AND DEPTH BELOW FINISH GRADE OF ALL COMPONENTS SHALL BE NOTED ON THE "AS-BUILT" DRAWINGS.

20. THE IRRIGATION CONTRACT SHALL INCLUDE THE INSTALLATION OF A GOULDS IRRIGATOR GT10 LAKE SUPPLY SYSTEM. INSTALL A HUNTER PSR22 PUMP START RELAY AND CONNECT TO THE IRRIGATION CONTROLLER. INSTALL A 3/4" PRESSURE RELIEF VALVE AND AMIAD 1-1/2" FILTER ON THE DISCHARGE SIDE OF THE PUMP. INSTALL A 2" SCHEDULE 40 SUCTION LINE INTO THE LAKE WITH A CHECK VALVE AND SUREFLO SF52 SUCTION SCREEN FLOATED THREE FEET FROM THE TOP OF SURFACE. INSTALL THE IRRIGATION CONTROLLER AND PUMP EQUIPMENT AND CONTROLLER IN A ALLIED AE100 ENCLOSURE. THE OWNER SHALL PROVIDE 230 VOLT SINGLE PHASE TO THE PUMP AND CONTROLLER LOCATION.



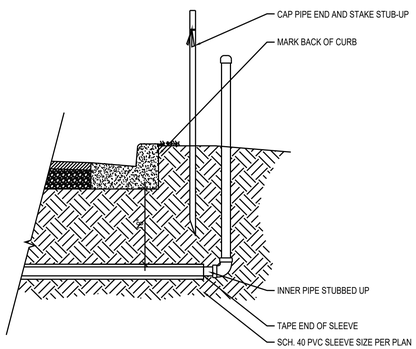
ELECTRIC VALVE INSTALLATION DETAIL

SCALE: NTS



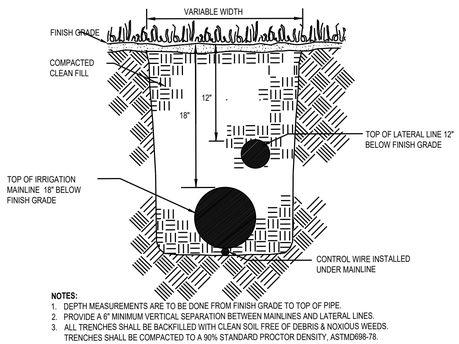
SPRAY HEAD AND ROTOR DETAIL

SCALE: NTS



SLEEVING ROUGH-IN DETAIL

SCALE: NTS



NOTES:
1. DEPTH MEASUREMENTS ARE TO BE DONE FROM FINISH GRADE TO TOP OF PIPE.
2. PROVIDE A 6" MINIMUM VERTICAL SEPARATION BETWEEN MAINLINES AND LATERAL LINES.
3. ALL TRENCHES SHALL BE BACKFILLED WITH CLEAN SOIL FREE OF DEBRIS & NOXIOUS WEEDS. TRENCHES SHALL BE COMPACTED TO A 90% STANDARD PROCTOR DENSITY, ASTMD698-78.

TRENCHING DETAIL

SCALE: NTS

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Falcon's Roost
Knox McRae Drive
Titusville, FL

SHEET TITLE
IRRIGATION DETAILS

DATE 08-09-22

DESIGN S.H.

DRAWN M.M.

SCALE 1" = 20' - 0"

REVISIONS

SEAL
LICENSED LANDSCAPE ARCHITECT
STATE OF FLORIDA
08-09-22

IR-4 SHEET | 4 OF