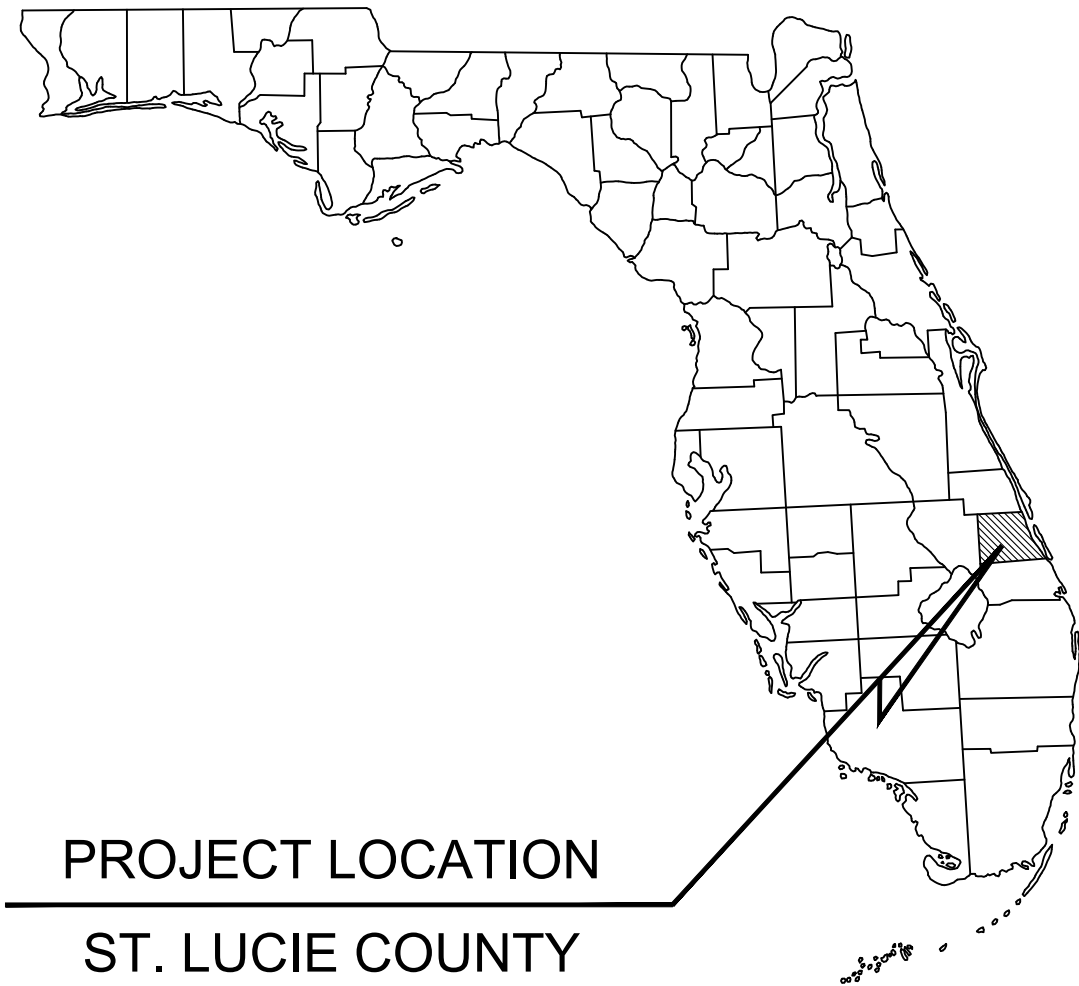


Plotted By: Nolan, Kennedy - Sheet Set: OLEANDER OAKS - Layout: C-000 COVER SHEET - August 12, 2021 01:19:38pm - K:\V\B-DEV\147811000 - oleander oaks\CAD\plansets\C-000 COVER SHEET.dwg
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PROJECT LOCATION
ST. LUCIE COUNTY

LEGAL DESCRIPTION

PER OFFICIAL RECORDS BOOK 4060, PAGE 2327

PARCEL ONE:

ALL OF THE EAST 1/2 OF THE NORTHEAST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 33, TOWNSHIP 35 SOUTH, RANGE 40 EAST, LYING NORTH OF LAND OWNED BY MRS. HARRY E KESLER ON THE 7TH DAY OF MARCH 1956, LESS LAND FOR ROADS AND DRAINAGE CANALS. THE SAID LAND IS ALSO DESCRIBED AS THE EAST 1/2 OF THE NORTHEAST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 33, TOWNSHIP 35 SOUTH, RANGE 40 EAST, LESS THE SOUTH 630 FEET THEREOF.

PARCEL TWO: THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4 OF THE NORTHEAST 1/4 OF SECTION 33, TOWNSHIP 35 SOUTH, RANGE 40 EAST, LESS AND EXCEPTING THEREFROM ALL RIGHTS OF WAY AND EASEMENTS FOR PUBLIC ROAD AND DRAINAGE CANALS.

METES AND BOUNDS DESCRIPTION PREPARED BY THE UNDERSIGNED:

A PORTION OF THE EAST ONE-HALF OF THE NORTHEAST ONE-QUARTER OF THE SOUTHEAST ONE-QUARTER OF SECTION 33, TOWNSHIP 35 SOUTH, RANGE 40 EAST AND THE SOUTHEAST ONE-QUARTER OF THE SOUTHEAST ONE-QUARTER OF THE NORTHEAST ONE-QUARTER OF SECTION 33, TOWNSHIP 35 SOUTH, RANGE 40 EAST, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT THE EAST ONE-QUARTER CORNER OF SAID SECTION 33, THENCE SOUTH 89°46'13" WEST, A DISTANCE OF 90.00 FEET TO THE POINT OF BEGINNING; THENCE CONTINUE SOUTH 89°46'13" WEST, A DISTANCE OF 32.00 FEET; THENCE SOUTH 00°17'01" WEST, ALONG THE WEST LINE OF THE NORTH ST. LUCIE RIVER WATER CONTROL DISTRICT CANAL 14, A DISTANCE OF 701.78 FEET, SAID CANAL 14 BEING SHOWN AND DESCRIBED IN THAT CERTAIN FEE SIMPLE DEED OF DONATION, AS RECORDED IN OFFICIAL RECORDS BOOK 4480, PAGE 2890 OF THE PUBLIC RECORDS OF ST. LUCIE COUNTY, SAID WEST LINE BEING PARALLEL TO AND 62.00 FEET WEST OF AS MEASURED AT RIGHT ANGLES TO THE WEST RIGHT-OF-WAY LINE OF OLEANDER AVENUE, ALSO KNOWN AS STATE ROAD 606, AS SHOWN ON THAT CERTAIN FLORIDA DEPARTMENT OF TRANSPORTATION RIGHT-OF-WAY MAP SECTION 9456, DATED JUNE 19, 1992, SAID WEST RIGHT-OF-WAY LINE BEING PARALLEL TO AND 60.00 FEET WEST OF AS MEASURED AT RIGHT ANGLES TO THE CENTERLINE OF SAID OLEANDER AVENUE; THENCE SOUTH 89°47'15" WEST, ALONG A LINE PARALLEL TO AND 630.00 FEET NORTH OF AS MEASURED AT RIGHT ANGLES TO THE SOUTH LINE OF THE SAID EAST ONE-HALF OF THE NORTHEAST ONE-QUARTER OF THE SOUTHEAST ONE-QUARTER OF SECTION 33, A DISTANCE OF 548.98 FEET, SAID SOUTH LINE ALSO BEING THE CENTERLINE OF TUMBLIN KING ROAD, THENCE NORTH 00°21'03" WEST, ALONG THE WEST LINE OF SAID EAST ONE-HALF A DISTANCE OF 701.59 FEET TO THE NORTH LINE OF THE SAID EAST ONE-HALF, SAID WEST LINE ALSO BEING THE EAST LINE OF THE REVISED PLAT OF "THE TROPICS" PETE ROBINSON SUBDIVISION, ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 6, PAGE 21 OF THE PUBLIC RECORDS OF ST. LUCIE COUNTY; THENCE NORTH 89°46'13" EAST ALONG THE NORTH LINE OF SAID EAST ONE-HALF, A DISTANCE OF 12.40 FEET; THENCE NORTH 00°00'21" WEST, ALONG A LIVESTOCK FENCE 0.3' TO THE WEST OF THE WEST LINE OF THE SAID SOUTHEAST ONE-QUARTER OF THE SOUTHEAST ONE-QUARTER OF THE NORTHEAST ONE-QUARTER OF SECTION 33, A DISTANCE OF 276.98 FEET TO THE SOUTH TOP OF BANK OF THE NORTH ST. LUCIE RIVER WATER CONTROL DISTRICT CANAL 15, ALSO KNOWN AS PLATTS BRANCH; THENCE MEANDERING ALONG THE SOUTH TOP OF BANK OF SAID PLATTS BRANCH, THE FOLLOWING TEN COURSES, NORTH 83°47'48" EAST, A DISTANCE OF 43.48 FEET; THENCE NORTH 86°49'25" EAST, A DISTANCE OF 72.02 FEET; THENCE SOUTH 85°07'47" EAST, A DISTANCE OF 48.47 FEET; THENCE NORTH 74°57'21" EAST, A DISTANCE OF 44.51 FEET; THENCE NORTH 80°24'14" EAST, A DISTANCE OF 92.67 FEET; THENCE NORTH 82°38'55" EAST, A DISTANCE OF 67.53 FEET; THENCE NORTH 85°47'34" EAST, A DISTANCE OF 117.62 FEET; THENCE NORTH 85°35'04" EAST, A DISTANCE OF 70.14 FEET; THENCE NORTH 73°25'57" EAST, A DISTANCE OF 15.73 FEET; THENCE NORTH 55°26'14" EAST, A DISTANCE OF 12.85 FEET TO THE WEST LINE OF SAID CANAL 14, SAID WEST LINE BEING PARALLEL TO AND 30.00 FEET WEST OF THE WEST RIGHT-OF-WAY LINE OF SAID STATE ROAD 606, SAID WEST RIGHT-OF-WAY LINE BEING PARALLEL TO AND 60.00 FEET WEST OF AS MEASURED AT RIGHT ANGLES TO THE EAST LINE OF SAID NORTHEAST ONE-QUARTER OF SECTION 33; THENCE SOUTH 00°12'46" WEST, ALONG THE WEST LINE OF SAID CANAL 14 A DISTANCE OF 339.89 FEET TO THE POINT OF BEGINNING.

SAID LANDS LYING IN ST. LUCIE COUNTY AND CONTAIN 12.919 ACRES MORE OR LESS.

CONSTRUCTION PLANS
FOR
OLEANDER OAKS
LOCATED AT
OLEANDER AVENUE, FORT PIERCE, FLORIDA
SECTION 33, TOWNSHIP 35S, RANGE 40E

PROJECT LOCATION



LOCATION MAP

1"=1000'



SHEET INDEX

Sheet Number	Sheet Title
C-000	COVER SHEET
C-001	GENERAL NOTES
C-004	DEMOLITION AND EROSION CONTROL PLAN - PHASE 1
C-005	DEMOLITION AND EROSION CONTROL PLAN - PHASE 2
C-006	EROSION CONTROL DETAILS
C-007	TREE MITIGATION PLAN
C-008	TREE MITIGATION PLAN
C-100	SITE PLAN
C-200	PAVING GRADING AND DRAINAGE PLAN
C-201	PAVING GRADING AND DRAINAGE DETAILS
C-202	PAVING GRADING AND DRAINAGE DETAILS
C-203	PAVING GRADING AND DRAINAGE DETAILS
C-300	UTILITY PLAN
C-301	SANITARY PROFILES
C-302	LIFT STATION DETAIL
C-400	FPUA DETAILS
C-401	FPUA DETAILS
C-402	FPUA DETAILS
C-403	FPUA DETAILS
L-100	LANDSCAPE PLAN
L-101	TYPICAL LOT LANDSCAPE DETAILS AND SCHEDULE
L-102	LANDSCAPE DETAILS
L-103	LANDSCAPE SPECIFICATIONS
E-100	PHOTOMETRIC SITE PLAN

PROJECT TEAM

OWNER/DEVELOPER

PEDRO QUIJADA
ALVA STONE GROUP
591 EVERNIA STREET, #1603
WEST PALM BEACH, FL 33401
(954) 850-0618
PEDRO@ALVASTONEGROUP.COM

CIVIL ENGINEER

BLAINE BERGSTRESSER, P.E.
KIMLEY-HORN AND ASSOCIATES, INC.
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BLAINE.BERGSTRESSER@KIMLEY-HORN.COM

LANDSCAPE ARCHITECT

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(772) 794-4095
KEVIN.BARRETT@KIMLEY-HORN.COM

SURVEYOR

HSQ GROUP, INC.
1001 YAMATO ROAD, SUITE 105
BOCA RATON, FLORIDA 33431
561-392-0221

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.

CALL 48 HOURS BEFORE YOU DIG

IT'S THE LAW!
DIAL 811



SUNSHINE STATE ONE CALL OF FLORIDA, INC.

Kimley»Horn

© 2021 KIMLEY-HORN AND ASSOCIATES, INC.
445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
PHONE: 772-794-4100
WWW.KIMLEY-HORN.COM CA 00000696

BLAINE BERGSTRESSER

FL LICENSE NUMBER
84598

KHA PROJECT
147811000

DATE
04/12/2021

SCALE AS SHOWN

DESIGNED BY BRB

DRAWN BY TJE

CHECKED BY BRB

COVER SHEET

OLEANDER OAKS

PREPARED FOR
ALVA STONE GROUP

CITY OF FORT
PIERCE

SHEET NUMBER
C-000



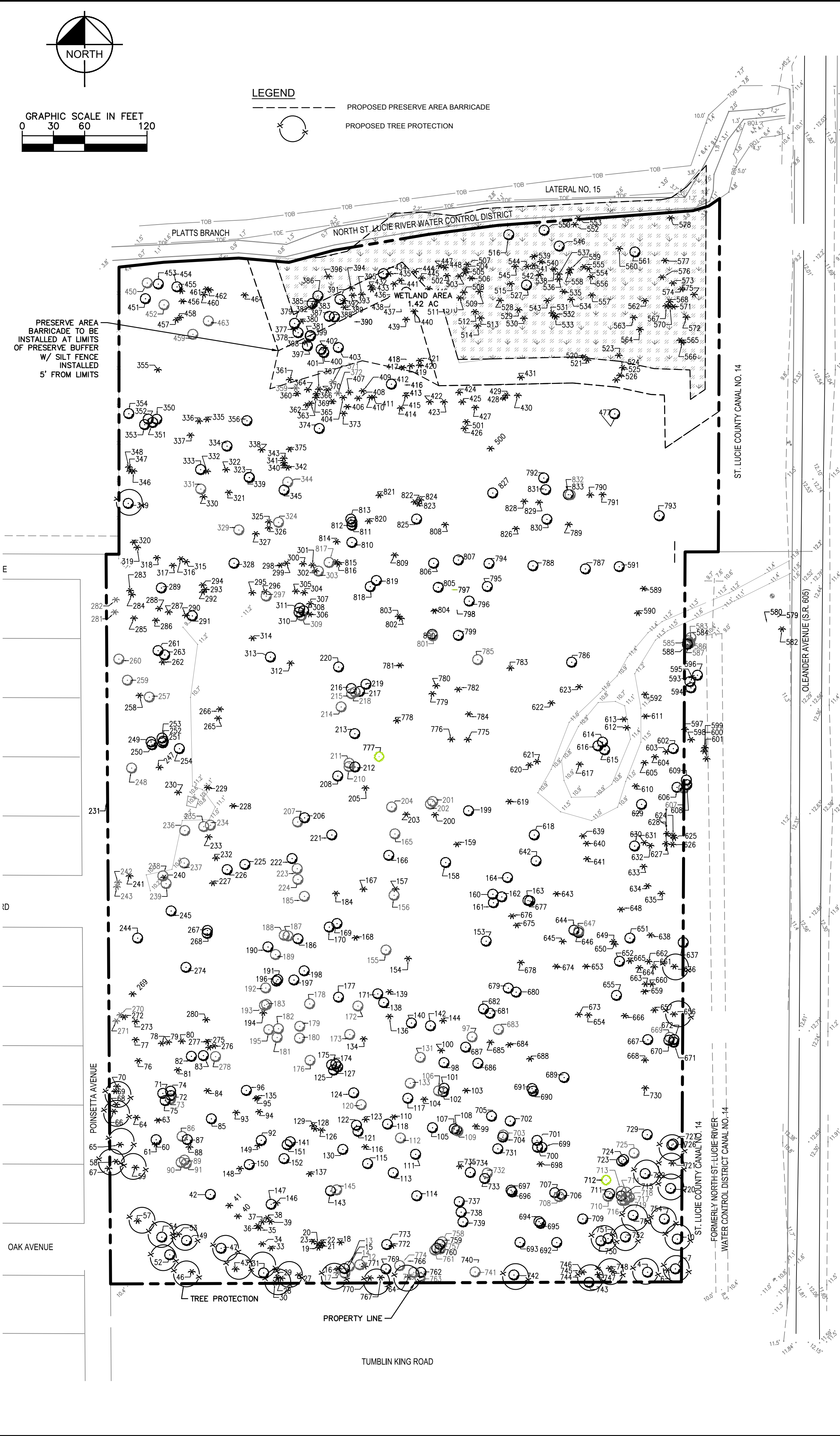
CALL 48 HOURS
BEFORE YOU DIG

IT'S THE LAW!
DIAL 811

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

SHEET NUMBER		C-005	
OLEANDER OAKS PREPARED FOR ALVA STONE GROUP		CITY OF FORT PIERCE	
DEMOLITION AND EROSION CONTROL PLAN - PHASE 2		FL	
KHA PROJECT 147811000 DATE 04/12/2021 SCALE AS SHOWN DESIGNED BY BRB DRAWN BY TJE CHECKED BY BRB		BLAINE BERGESSER FL LICENSE NUMBER 84598 ISSUED 03-01-2022	
KIMLEY-HORN AND ASSOCIATES, INC. 445 24TH STREET, SUITE 200, VERO BEACH, FL 32960 PHONE: 772-794-4100 WWW.KIMLEY-HORN.COM CA 00000696		No. _____ PER _____ CITY _____ COMMENTS _____ REVISIONS _____ DATE 07-29-21 BY TJE	

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EXISTING TREE TABLE						
#	SPECIES	DBH (INCHES)	ACTION	MITIGATION REQUIRED	MITIGATION VALUE	MITIGATION CREDIT
1	SABAL PALM	10	PRESERVE	N/A	N/A	N/A
2	SABAL PALM	6	PRESERVE	N/A	N/A	N/A
3	SABAL PALM	6	PRESERVE	N/A	N/A	N/A
4	LIVE OAK	24	PRESERVE	N/A	N/A	24
5	SABAL PALM	6	PRESERVE	N/A	N/A	N/A
6	SABAL PALM	14	PRESERVE	N/A	N/A	1 PALM
7	LIVE OAK	36	PRESERVE	N/A	N/A	36
8	SABAL PALM	8	PRESERVE	N/A	N/A	N/A
9	SABAL PALM	6	PRESERVE	N/A	N/A	N/A
10	LIVE OAK	18	PRESERVE	N/A	N/A	18
11	LIVE OAK	11	PRESERVE	N/A	N/A	N/A
12	LIVE OAK	12	REMOVE	NO	N/A	N/A
13	LIVE OAK	6	REMOVE	NO	N/A	N/A
14	LIVE OAK	6	REMOVE	NO	N/A	N/A
15	LIVE OAK	24	REMOVE	YES	24	N/A
16	SABAL PALM	10	REMOVE	YES	1 PALM	N/A
17	SABAL PALM	14	REMOVE	YES	1 PALM	N/A
18	SABAL PALM	14	REMOVE	YES	1 PALM	N/A
19	SABAL PALM	14	REMOVE	YES	1 PALM	N/A
20	SABAL PALM	14	REMOVE	YES	1 PALM	N/A
21	SABAL PALM	14	REMOVE	YES	1 PALM	N/A
22	SABAL PALM	14	REMOVE	YES	1 PALM	N/A
23	SABAL PALM	18	REMOVE	YES	1 PALM	N/A
24	UNKNOWN	6	REMOVE	NO	N/A	N/A
25	UNKNOWN	6	REMOVE	NO	N/A	N/A
26	UNKNOWN	6	REMOVE	NO	N/A	N/A
27	SABAL PALM	16	PRESERVE	N/A	N/A	1 PALM
28	SABAL PALM	16	PRESERVE	N/A	N/A	1 PALM
29	SABAL PALM	10	PRESERVE	N/A	N/A	1 PALM
30	SABAL PALM	12	PRESERVE	N/A	N/A	N/A
31	LIVE OAK	16	PRESERVE	N/A	N/A	16
32	LIVE OAK	10	PRESERVE	N/A	N/A	N/A
33	LIVE OAK	10	REMOVE	NO	N/A	N/A
34	SABAL PALM	14	REMOVE	YES	1 PALM	N/A
35	SABAL PALM	10	REMOVE	NO	N/A	N/A
36	SABAL PALM	10	REMOVE	NO	N/A	N/A
37	SABAL PALM	14	REMOVE	YES	1 PALM	N/A
38	SABAL PALM	14	REMOVE	YES	1 PALM	N/A
39	SABAL PALM	14	REMOVE	YES	1 PALM	N/A
40	SABAL PALM	12	REMOVE	NO	N/A	N/A
41	SABAL PALM	12	REMOVE	NO	N/A	N/A
42	LIVE OAK	24	REMOVE	YES	24	N/A
43	SABAL PALM	14	PRESERVE	N/A	N/A	1 PALM
44	LIVE OAK	8	PRESERVE	N/A	N/A	N/A
45	LIVE OAK	10	PRESERVE	N/A	N/A	N/A
46	SABAL PALM	14	PRESERVE	N/A	N/A	1 PALM
47	LIVE OAK	14	PRESERVE	N/A	N/A	14
48	UNKNOWN	8	REMOVE	NO	N/A	N/A
49	LIVE OAK	18	PRESERVE	N/A	N/A	18
50	UNKNOWN	4	REMOVE	NO	N/A	N/A
51	LIVE OAK	12	PRESERVE	N/A	N/A	N/A
52	LIVE OAK	20	PRESERVE	N/A	N/A	20
53	SABAL PALM	14	PRESERVE	N/A	N/A	1 PALM
54	LIVE OAK	18	PRESERVE	N/A	N/A	18
55	UNKNOWN	8	REMOVE	NO	N/A	N/A
56	UNKNOWN	10	REMOVE	NO	N/A	N/A
57	SABAL PALM	12	PRESERVE	N/A	N/A	N/A
58	SABAL PALM	14	PRESERVE	N/A	N/A	1 PALM
59	SABAL PALM	14	PRESERVE	N/A	N/A	1 PALM
60	LIVE OAK	10	REMOVE	YES	18	N/A
61	SABAL PALM	12	REMOVE	NO	N/A	N/A
62	UNKNOWN	8	REMOVE	NO	N/A	N/A
63	SABAL PALM	18	REMOVE	YES	1 PALM	N/A
64	SABAL PALM	14	REMOVE	YES	1 PALM	N/A
65	SABAL PALM	14	PRESERVE	N/A	N/A	1 PALM
66	SABAL PALM	14	PRESERVE	N/A	N/A	1 PALM
67	SABAL PALM	14	PRESERVE	N/A	N/A	1 PALM
68	SABAL PALM	12	PRESERVE	N/A	N/A	N/A
69	SABAL PALM	18	PRESERVE	N/A	N/A	1 PALM
70	SABAL PALM	16	PRESERVE	N/A	N/A	1 PALM
71	LIVE OAK	26	REMOVE	YES	26	N/A
72	LIVE OAK	14	REMOVE	YES	14	N/A
73	LIVE OAK	10	REMOVE	NO	N/A	N/A
74	LIVE OAK	24	REMOVE	YES	24	N/A
75	LIVE OAK	14	REMOVE	YES	14	N/A
76	SABAL PALM	14	REMOVE	YES	1 PALM	N/A
77	SABAL PALM	14	REMOVE	YES	1 PALM	N/A
78	SABAL PALM	14	REMOVE	YES	1 PALM	N/A
79	SABAL PALM	14	REMOVE	YES	1 PALM	N/A
80	SABAL PALM	14	REMOVE	YES	1 PALM	N/A
81	SABAL PALM	10	REMOVE	NO	N/A	N/A
82	LIVE OAK	10	REMOVE	YES	18	N/A
83	LIVE OAK	18	REMOVE	YES	18	N/A
84	SABAL PALM	16	REMOVE	YES	1 PALM	N/A
85	LIVE OAK	24	REMOVE	YES	24	N/A
86	LIVE OAK	10	REMOVE	NO	N/A	N/A
87	LIVE OAK	28	REMOVE	YES	28	N/A
88	SABAL PALM	12	REMOVE	NO	N/A	N/A
89	LIVE OAK	12	REMOVE	NO	N/A	N/A
90	LIVE OAK	10	REMOVE	NO	N/A	N/A
91	LIVE OAK	8	REMOVE	NO	N/A	N/A
92	LIVE OAK	20	REMOVE	YES	20	N/A
93	SABAL PALM	14	REMOVE	YES	1 PALM	N/A
94	SABAL PALM	14	REMOVE	YES	1 PALM	N/A
95	SABAL PALM	14	REMOVE	YES	1 PALM	N/A
96	LIVE OAK	16	REMOVE	YES	16	N/A
97	LIVE OAK	10	REMOVE	NO	N/A	N/A
98	LIVE OAK	18	REMOVE	YES	18	N/A
99	SABAL PALM	18	REMOVE	YES	1 PALM	N/A
100	SABAL PALM	12	REMOVE	NO	N/A	N/A
101	LIVE OAK	18	REMOVE	YES	18	N/A
102	LIVE OAK	24	REMOVE	YES	24	N/A
103	SABAL PALM	15	REMOVE	YES	1 PALM	N/A
104	SABAL PALM	18	REMOVE	YES	1 PALM	N/A
105	LIVE OAK	18	REMOVE	YES	18	N/A
106	LIVE OAK	8	REMOVE	NO	N/A	N/A
107	LIVE OAK	20	REMOVE	YES	20	N/A
108	LIVE OAK	18	REMOVE	YES	18	N/A
109	LIVE OAK	6	REMOVE	NO	N/A	N/A
110	SABAL PALM	14	REMOVE	YES	1 PALM	N/A
111	LIVE OAK	15	REMOVE	YES	15	N/A
112	LIVE OAK	12	REMOVE	NO	N/A	N/A
113	LIVE OAK	10	REMOVE	YES	18	N/A
114	LIVE OAK	20	REMOVE	YES	20	N/A
115	LIVE OAK	30	REMOVE	YES	30	N/A
116	SABAL PALM	15	REMOVE	YES	1 PALM	N/A
117	LIVE OAK	24	REMOVE	YES	24	N/A
118	LIVE OAK	20	REMOVE	YES	20	N/A
119	ROYAL POINCIANA	10	REMOVE	NO	N/A	N/A
120	LIVE OAK	10	REMOVE	NO	N/A	N/A
121	LIVE OAK	18	REMOVE	YES	18	N/A
122	LIVE OAK	15	REMOVE	YES	15	N/A
123	SABAL PALM	16	REMOVE	YES	1 PALM	N/A
124	LIVE OAK	18	REMOVE	YES	18	N/A
125	LIVE OAK	20	REMOVE	YES	20	N/A
126	SABAL PALM	18	REMOVE	YES	1 PALM	N/A
127	LIVE OAK	20	REMOVE	YES	20	N/A
128	SABAL PALM	15	REMOVE	YES	1 PALM	N/A
129	SABAL PALM	15	REMOVE	YES	1 PALM	N/A
130	LIVE OAK	20	REMOVE	YES	20	N/A
131	LIVE OAK	12	REMOVE	NO	N/A	N/A
132	ROYAL POINCIANA	12	REMOVE	NO	N/A	N/A
133	LIVE OAK	10	REMOVE	NO	N/A	N/A
134	LIVE OAK	14	REMOVE	YES	1 PALM	N/A
135	SABAL PALM	15	REMOVE	YES	1 PALM	N/A
136	SABAL PALM	12	REMOVE	NO	N/A	N/A
137	SABAL PALM	15	REMOVE	YES	1 PALM	N/A
138	LIVE OAK	15	REMOVE	YES	15	N/A
139	SABAL PALM	14	REMOVE	YES	1 PALM	N/A
140	LIVE OAK	48	REMOVE	YES	48	N/A
141	LIVE OAK	30	REMOVE	YES	30	N/A
142	LIVE OAK	36	REMOVE	YES	36	N/A
143	LIVE OAK	24	REMOVE	YES	24	N/A
144	SABAL PALM	10	REMOVE	NO	N/A	N/A
145	LIVE OAK	10	REMOVE	NO	N/A	N/A
146	SABAL PALM	12	REMOVE	NO	N/A	N/A
147	LIVE OAK	24	REMOVE	YES	24	N/A
148	SABAL PALM	14	REMOVE	YES	1 PALM	N/A
149	SABAL PALM	12	REMOVE	NO	N/A	N/A
150	LIVE OAK	18	REMOVE	YES	18	N/A

EXISTING TREE TABLE						
#	SPECIES	DBH (INCHES)	ACTION	MITIGATION REQUIRED	MITIGATION VALUE	MITIGATION CREDIT
151	LIVE OAK	20	REMOVE	YES	20	N/A
152	LIVE OAK	20	REMOVE	YES	20	N/A
153	LIVE OAK	20	REMOVE	YES	20	N/A
154	SABAL PALM	18	REMOVE	YES	1 PALM	N/A
155	LIVE OAK	6	REMOVE	NO	N/A	N/A
156	LIVE OAK	6	REMOVE	NO	N/A	N/A
157	SABAL PALM	16	REMOVE	YES	1 PALM	N/A
158	LIVE OAK	28	REMOVE	YES	28	N/A
159	SABAL PALM	12	REMOVE	NO	N/A	N/A
160	LIVE OAK	20	REMOVE	YES	20	N/A
161	LIVE OAK	20	REMOVE	YES	20	N/A
162	LIVE OAK	14	REMOVE	YES	14	N/A
163	LIVE OAK	24	REMOVE	YES	24	N/A
164	LIVE OAK	20	REMOVE	YES	20	N/A
165	LIVE OAK	10	REMOVE	NO	N/A	N/A
166	LIVE OAK	40	REMOVE	YES	40	N/A
167	SABAL PALM	12	REMOVE	NO	N/A	N/A
168	SABAL PALM	16	REMOVE	YES	1 PALM	N/A
169	LIVE OAK	24	REMOVE	YES	24	N/A
170	LIVE OAK	18	REMOVE	YES	18	N/A
171	LIVE OAK	16	REMOVE	YES	16	N/A
172	LIVE OAK	12	REMOVE	NO	N/A	N/A
173	LIVE OAK	12	REMOVE	NO	N/A	N/A
174	LIVE OAK	18	REMOVE	YES	18	N/A
175	LIVE OAK	20	REMOVE	YES	20	N/A
176	LIVE OAK	12	REMOVE	NO	N/A	N/A
177	LIVE OAK	20	REMOVE	YES	20	N/A
178	LIVE OAK	12	REMOVE	NO	N/A	N/A
179	LIVE OAK	12	REMOVE	NO	N/A	N/A
180	LIVE OAK	12	REMOVE	NO	N/A	N/A
181	LIVE OAK	12	REMOVE	NO	N/A	N/A
182	LIVE OAK	12	REMOVE	NO	N/A	N/A
183	LIVE OAK	12	REMOVE	NO	N/A	N/A
184	SABAL PALM	16 DBL	REMOVE	YES	2 PALMS	N/A
185	LIVE OAK	12 DBL	REMOVE	YES	24	N/A
186	LIVE OAK	14	REMOVE	YES	14	N/A
187	LIVE OAK	10 DBL	REMOVE	YES	20	N/A
188	LIVE OAK	10 DBL	REMOVE	YES	20	N/A
189	LIVE OAK	12	REMOVE	NO	N/A	N/A
190	LIVE OAK	14	REMOVE	YES	14	N/A
191	LIVE OAK	14	REMOVE	YES	14	N/A
192	LIVE OAK	12	REMOVE	NO	N/A	N/A
193	LIVE OAK	12	REMOVE	NO	N/A	N/A
194	SABAL PALM	16	REMOVE	YES	1 PALM	N/A
195	LIVE OAK	10 DBL	REMOVE	YES	20	N/A
196	LIVE OAK	14	REMOVE	YES	14	N/A
197	LIVE OAK	16	REMOVE	YES	16	N/A
198	LIVE OAK	14	REMOVE	YES	14	N/A
199	LIVE OAK	24	REMOVE	YES	24	N/A
200	SABAL PALM	14	REMOVE	YES	1 PALM	N/A
201	LIVE OAK	10 DBL	REMOVE	YES	20	N/A
202	LIVE OAK	10 DBL	REMOVE	YES	20	N/A
203	SABAL PALM	14	REMOVE	YES	1 PALM	N/A
204	LIVE OAK	4	REMOVE	NO	N/A	N/A
205	SABAL PALM	12	REMOVE	NO	N/A	N/A
206	LIVE OAK	18 OJAD	REMOVE	YES	72	N/A
207	LIVE OAK	12 DBL	REMOVE	YES	24	N/A
208	LIVE OAK	24	REMOVE	YES	24	N/A
209	ROYAL POINCIANA	6	REMOVE	NO	N/A	N/A
210	LIVE OAK	12	REMOVE	YES	12	N/A
211	LIVE OAK	8	REMOVE	NO	N/A	N/A
212	LIVE OAK	30	REMOVE	YES	30	N/A
213	LIVE OAK	30	REMOVE	YES	30	N/A
214	LIVE OAK	12 OJAD	REMOVE	YES	48	N/A
215	LIVE OAK	12 DBL	REMOVE	YES	24	N/A
216	LIVE OAK	28	REMOVE	YES	28	N/A
217	LIVE OAK	14	REMOVE	YES	14	N/A
218	LIVE OAK	8	REMOVE	NO	N/A	N/A
219	LIVE OAK	10	REMOVE	YES	14	N/A
220	LIVE OAK	18	REMOVE	YES	18	N/A
221	LIVE OAK	28	REMOVE	YES	28	N/A
222	LIVE OAK	16	REMOVE	YES	16	N/A
223	LIVE OAK	12 DBL	REMOVE	YES	24	N/A
224	LIVE OAK	8 DBL	REMOVE	YES	16	N/A
225	LIVE OAK	18	REMOVE	YES	18	N/A
226	LIVE OAK	18	REMOVE	YES	18	N/A
227	SABAL PALM	14	REMOVE	YES	1 PALM	N/A</

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.

CALL 48 HOURS
BEFORE YOU DIG

IT'S THE LAW!
DIAL 811

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

SUNSHINE STATE ONE CALL OF FLORIDA, INC.

The logo for Sunshine State One Call of Florida, Inc. features a stylized sun with rays emanating from it, positioned to the right of the text "SUNSHINE STATE ONE CALL OF FLORIDA, INC."

Kimley»»Horn

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WWW.KIMLEY-HORN.COM CA 00000696

BLAINE BERGSTRESSER

FL LICENSE NUMBER
84598

TREE MITIGATION PLAN

OLEANDER OAKS
PREPARED FOR
ALVA STONE GROUP

3

CITY OF FORT PIERCE

SHEET NUMBER
C-007

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EXISTING TREE TABLE						
#	SPECIES	DBH (INCHES)	ACTION	MITIGATION REQUIRED	MITIGATION VALUE	MITIGATION CREDIT
300	SABAL PALM	16	REMOVE	YES	1 PALM	N/A
301	SABAL PALM	12	REMOVE	NO	N/A	N/A
302	SABAL PALM	14	REMOVE	YES	1 PALM	N/A
303	LIVE OAK	12	REMOVE	NO	N/A	N/A
304	SABAL PALM	16	REMOVE	YES	1 PALM	N/A
305	SABAL PALM	16	REMOVE	YES	1 PALM	N/A
306	SABAL PALM	12	REMOVE	NO	N/A	N/A
307	SABAL PALM	12	REMOVE	NO	N/A	N/A
308	LIVE OAK	18	REMOVE	YES	18	N/A
309	LIVE OAK	12	REMOVE	NO	N/A	N/A
310	LIVE OAK	18	REMOVE	YES	18	N/A
311	LIVE OAK	18	REMOVE	YES	18	N/A
312	SABAL PALM	14	REMOVE	YES	1 PALM	N/A
313	LIVE OAK	24	REMOVE	YES	24	N/A
314	SABAL PALM	12	REMOVE	NO	N/A	N/A
315	SABAL PALM	16	REMOVE	YES	1 PALM	N/A
316	SABAL PALM	12	REMOVE	NO	N/A	N/A
317	SABAL PALM	16	REMOVE	YES	1 PALM	N/A
318	SABAL PALM	16	REMOVE	YES	1 PALM	N/A
319	SABAL PALM	16	REMOVE	YES	1 PALM	N/A
320	SABAL PALM	16	REMOVE	YES	1 PALM	N/A
321	SABAL PALM	12	REMOVE	NO	N/A	N/A
322	SABAL PALM	12	REMOVE	NO	N/A	N/A
323	LIVE OAK	24	REMOVE	YES	24	N/A
324	LIVE OAK	6	REMOVE	NO	N/A	N/A
325	SABAL PALM	14	REMOVE	YES	1 PALM	N/A
326	SABAL PALM	12	REMOVE	NO	N/A	N/A
327	SABAL PALM	16	REMOVE	YES	1 PALM	N/A
328	LIVE OAK	36	REMOVE	YES	36	N/A
329	LIVE OAK	4	REMOVE	NO	N/A	N/A
330	SABAL PALM	16	REMOVE	YES	1 PALM	N/A
331	LIVE OAK	12	REMOVE	NO	N/A	N/A
332	SABAL PALM	12	REMOVE	NO	N/A	N/A
333	LIVE OAK	14	REMOVE	YES	14	N/A
334	LIVE OAK	24	REMOVE	YES	24	N/A
335	SABAL PALM	14	REMOVE	YES	1 PALM	N/A
336	SABAL PALM	14	REMOVE	YES	1 PALM	N/A
337	SABAL PALM	14	REMOVE	YES	1 PALM	N/A
338	SABAL PALM	12	REMOVE	YES	12	N/A
339	LIVE OAK	48	REMOVE	YES	48	N/A
340	SABAL PALM	16	REMOVE	YES	1 PALM	N/A
341	SABAL PALM	14	REMOVE	YES	1 PALM	N/A
342	SABAL PALM	14	REMOVE	YES	1 PALM	N/A
343	SABAL PALM	12	REMOVE	NO	N/A	N/A
344	LIVE OAK	4	REMOVE	NO	N/A	N/A
345	LIVE OAK	20	REMOVE	YES	20	N/A
346	SABAL PALM	14	REMOVE	YES	1 PALM	N/A
347	SABAL PALM	14	REMOVE	YES	1 PALM	N/A
348	SABAL PALM	12	REMOVE	N/A	N/A	N/A
349	LIVE OAK	30	PRESERVE	N/A	N/A	30
350	LIVE OAK	20	REMOVE	YES	20	N/A
351	LIVE OAK	20	REMOVE	YES	20	N/A
352	LIVE OAK	36	REMOVE	YES	36	N/A
353	LIVE OAK	32	REMOVE	YES	32	N/A
354	LIVE OAK	14 DBL	REMOVE	YES	28	N/A
355	SABAL PALM	14	REMOVE	YES	1 PALM	N/A
356	LIVE OAK	24	REMOVE	N/A	24	N/A
357	SABAL PALM	14	PRESERVE	N/A	N/A	1 PALM
358	SABAL PALM	14	PRESERVE	N/A	N/A	1 PALM
359	SABAL PALM	14	REMOVE	YES	1 PALM	N/A
360	SABAL PALM	14	REMOVE	YES	1 PALM	N/A
361	SABAL PALM	14	PRESERVE	N/A	N/A	1 PALM
362	SABAL PALM	14	REMOVE	YES	1 PALM	N/A
363	SABAL PALM	14	REMOVE	YES	1 PALM	N/A
364	SABAL PALM	14	REMOVE	YES	1 PALM	N/A
365	SABAL PALM	12	REMOVE	NO	N/A	N/A
366	SABAL PALM	10	REMOVE	NO	N/A	N/A
367	SABAL PALM	12	REMOVE	NO	N/A	N/A
368	UNKNOWN	4	REMOVE	NO	N/A	N/A
369	SABAL PALM	12	REMOVE	NO	N/A	N/A
370	SABAL PALM	12	REMOVE	NO	N/A	N/A
371	SABAL PALM	12	REMOVE	NO	N/A	N/A
372	SABAL PALM	8	REMOVE	NO	N/A	N/A
373	SABAL PALM	14	REMOVE	YES	1 PALM	N/A
374	LIVE OAK	24	REMOVE	YES	24	N/A
375	SABAL PALM	14	REMOVE	YES	1 PALM	N/A
376	ROYAL POINCIANA	4	REMOVE	NO	N/A	N/A
377	SABAL PALM	18	PRESERVE	N/A	N/A	1 PALM
378	LIVE OAK	15	PRESERVE	N/A	N/A	15
379	LIVE OAK	15	PRESERVE	N/A	N/A	15
380	SABAL PALM	12	PRESERVE	N/A	N/A	N/A
381	LIVE OAK	18	PRESERVE	N/A	N/A	18
382	SABAL PALM	15	PRESERVE	N/A	N/A	1 PALM
383	LIVE OAK	15	PRESERVE	N/A	N/A	15
384	LIVE OAK	12	PRESERVE	N/A	N/A	N/A
385	SABAL PALM	15	PRESERVE	N/A	N/A	1 PALM
386	LIVE OAK	18	PRESERVE	N/A	N/A	18
387	LIVE OAK	15	PRESERVE	N/A	N/A	15
388	LIVE OAK	20	PRESERVE	N/A	N/A	20
389	SABAL PALM	18	PRESERVE	N/A	N/A	1 PALM
390	SLASH PINE	24	PRESERVE	N/A	N/A	N/A
391	LIVE OAK	30	PRESERVE	N/A	N/A	30
392	SABAL PALM	15	PRESERVE	N/A	N/A	1 PALM
393	SABAL PALM	18	PRESERVE	N/A	N/A	1 PALM
394	SABAL PALM	15	PRESERVE	N/A	N/A	1 PALM
395	SABAL PALM	15	PRESERVE	N/A	N/A	1 PALM
396	SABAL PALM	15	PRESERVE	N/A	N/A	1 PALM
397	LIVE OAK	30	PRESERVE	N/A	N/A	30
398	SABAL PALM	18	PRESERVE	N/A	N/A	1 PALM
399	LIVE OAK	18	PRESERVE	N/A	N/A	18
400	LIVE OAK	36	PRESERVE	N/A	N/A	36
401	LIVE OAK	15	PRESERVE	N/A	N/A	15
402	SABAL PALM	15	PRESERVE	N/A	N/A	1 PALM
403	LIVE OAK	24	PRESERVE	N/A	N/A	24
404	SABAL PALM	12	REMOVE	NO	N/A	N/A
405	UNKNOWN	6	REMOVE	NO	N/A	N/A
406	SABAL PALM	15	REMOVE	YES	1 PALM	N/A
407	SABAL PALM	15	REMOVE	YES	1 PALM	N/A
408	SABAL PALM	15	REMOVE	YES	1 PALM	N/A
409	SABAL PALM	12	REMOVE	NO	N/A	N/A
410	SABAL PALM	12	REMOVE	NO	N/A	N/A
411	SABAL PALM	15	REMOVE	YES	1 PALM	N/A
412	LIVE OAK	18	REMOVE	YES	18	N/A
413	MAHOGANY	12	REMOVE	NO	N/A	N/A
414	SABAL PALM	18	REMOVE	YES	1 PALM	N/A
415	SABAL PALM	15	REMOVE	YES	1 PALM	N/A
416	MAHOGANY	4	REMOVE	NO	N/A	N/A
417	SABAL PALM	15	PRESERVE	N/A	N/A	1 PALM
418	CYPRESS	4	PRESERVE	N/A	N/A	N/A
419	SABAL PALM	14	PRESERVE	N/A	N/A	1 PALM
420	SABAL PALM	15	PRESERVE	N/A	N/A	1 PALM
421	SABAL PALM	15	PRESERVE	N/A	N/A	1 PALM
422	SABAL PALM	15	REMOVE	YES	1 PALM	N/A
423	SABAL PALM	15	REMOVE	YES	1 PALM	N/A
424	SABAL PALM	15	REMOVE	YES	1 PALM	N/A
425	SABAL PALM	15	REMOVE	YES	1 PALM	N/A
426	SABAL PALM	15	REMOVE	YES	1 PALM	N/A
427	SABAL PALM	5	REMOVE	NO	N/A	N/A
428	SABAL PALM	12	REMOVE	NO	N/A	N/A
429	SABAL PALM	10	REMOVE	NO	N/A	N/A
430	SABAL PALM	12	REMOVE	NO	N/A	N/A
431	SABAL PALM	15	PRESERVE	N/A	N/A	1 PALM
432	SABAL PALM	15	PRESERVE	N/A	N/A	1 PALM
433	SABAL PALM	15	PRESERVE	N/A	N/A	1 PALM
434	LIVE OAK	16	PRESERVE	N/A	N/A	16
435	SABAL PALM	12	PRESERVE	N/A	N/A	N/A
436	SABAL PALM	12	PRESERVE	N/A	N/A	N/A
437	SABAL PALM	16	PRESERVE	N/A	N/A	1 PALM
438	SABAL PALM	12	PRESERVE	N/A	N/A	N/A
439	SABAL PALM	12	PRESERVE	N/A	N/A	N/A
440	SABAL PALM	12	PRESERVE	N/A	N/A	N/A
441	SABAL PALM	15	PRESERVE	N/A	N/A	1 PALM
442	LIVE OAK	28	PRESERVE	N/A	N/A	28
443	LIVE OAK	12	PRESERVE	N/A	N/A	N/A
444	SABAL PALM	10	PRESERVE	N/A	N/A	N/A
445	SABAL PALM	16	PRESERVE	N/A	N/A	1 PALM
446	SABAL PALM	14	PRESERVE	N/A	N/A	1 PALM
447	SABAL PALM	14	PRESERVE	N/A	N/A	1 PALM
448	SABAL PALM	14	PRESERVE	N/A	N/A	1 PALM
449	LIVE OAK	10	PRESERVE	N/A	N/A	N/A
450	LIVE OAK	12	REMOVE	N/A	N/A	N/A

EXISTING TREE TABLE						
#	SPECIES	DBH (INCHES)	ACTION	MITIGATION REQUIRED	MITIGATION VALUE	MITIGATION CREDIT
451	LIVE OAK	14	REMOVE	YES	14	N/A
452	LIVE OAK	10	REMOVE	N/A	N/A	N/A
453	LIVE OAK	18	REMOVE	YES	18	N/A
454	LIVE OAK	14	REMOVE	YES	14	N/A
455	SABAL PALM	16	REMOVE	YES	1 PALM	N/A
456	SABAL PALM	18	REMOVE	YES	1 PALM	N/A
457	SABAL PALM	12	REMOVE	N/A	N/A	N/A
458	SABAL PALM	16	REMOVE	YES	1 PALM	N/A
459	LIVE OAK	12 DBL	REMOVE	YES	24	N/A
460	SABAL PALM	16	REMOVE	YES	1 PALM	N/A
461	SABAL PALM	16	REMOVE	YES	1 PALM	N/A
462	SABAL PALM	16	REMOVE	YES	1 PALM	N/A
463	LIVE OAK	6	REMOVE	N/A	N/A	N/A
464	SABAL PALM	16	REMOVE	YES	1 PALM	N/A
465	SABAL PALM	14	PRESERVE	N/A	N/A	1 PALM
466	SABAL PALM	14	PRESERVE	N/A	N/A	1 PALM
467	SABAL PALM	14	PRESERVE	N/A	N/A	1 PALM
468	SABAL PALM	14	PRESERVE	N/A	N/A	1 PALM
469	SABAL PALM	14	PRESERVE	N/A	N/A	1 PALM
470	SABAL PALM	14	PRESERVE	N/A	N/A	1 PALM
471	UNKNOWN	6	PRESERVE	N/A	N/A	N/A
472	SABAL PALM	14	PRESERVE	N/A	N/A	1 PALM
473	SABAL PALM	14	PRESERVE	N/A	N/A	1 PALM
474	SABAL PALM	12	PRESERVE	N/A	N/A	N/A
475	SABAL PALM	8	PRESERVE	N/A	N/A	N/A
476	SABAL PALM	12	PRESERVE	N/A	N/A	N/A
477	SABAL PALM	14	PRESERVE	N/A	N/A	1 PALM
478	SABAL PALM	14	PRESERVE	N/A	N/A	1 PALM
479	SABAL PALM	6	PRESERVE	N/A	N/A	N/A
480	SABAL PALM	10	PRESERVE	N/A	N/A	N/A
481	SABAL PALM	36	PRESERVE	N/A	N/A	1 PALM
482	SABAL PALM	12	PRESERVE	N/A	N/A	N/A
483	SABAL PALM	14	PRESERVE	N/A	N/A	1 PALM
484	SABAL PALM	12	PRESERVE	N/A	N/A	N/A
485	SABAL PALM	12	PRESERVE	N/A	N/A	N/A
486	SABAL PALM	14	PRESERVE	N/A	N/A	1 PALM
487	SABAL PALM	18	PRESERVE	N/A	N/A	1 PALM
488	SABAL PALM	14	PRESERVE	N/A	N/A	1 PALM
489	SABAL PALM	14	PRESERVE	N/A	N/A	1 PALM
490	SABAL PALM	12	PRESERVE	N/A	N/A	N/A
491	SABAL PALM	12	PRESERVE	N/A	N/A	N/A
492	SABAL PALM	10	PRESERVE	N/A	N/A	N/A
493	SABAL PALM	14	PRESERVE	N/A	N/A	1 PALM
494	SABAL PALM	12	PRESERVE	N/A	N/A	N/A
495	SABAL PALM	12	PRESERVE	N/A	N/A	N/A
496	SABAL PALM	12	PRESERVE	N/A	N/A	N/A
497	SABAL PALM	14	PRESERVE	N/A	N/A	1 PALM
498	SABAL PALM	14	PRESERVE	N/A	N/A	1 PALM
499	SABAL PALM	12	PRESERVE	N/A	N/A	N/A
500	SABAL PALM	10	REMOVE	NO	N/A	N/A
501	SABAL PALM	12	REMOVE	NO	N/A	N/A
502	SABAL PALM	16	PRESERVE	N/A	N/A	1 PALM
503	SABAL PALM	14	PRESERVE	N/A	N/A	1 PALM
504	SABAL PALM	18	PRESERVE	N/A	N/A	1 PALM
505	SABAL PALM	14	PRESERVE	N/A	N/A	1 PALM
506	SABAL PALM	14	PRESERVE	N/A	N/A	1 PALM
507	SABAL PALM	12	PRESERVE	N/A	N/A	1 PALM
508	SABAL PALM	14	PRESERVE	N/A	N/A	1 PALM
509	SABAL PALM	14	PRESERVE	N/A	N/A	1 PALM
510	SABAL PALM	10	PRESERVE	N/A	N/A	N/A
511	SABAL PALM	12	PRESERVE	N/A	N/A	N/A
512	SABAL PALM	14	PRESERVE	N/A	N/A	1 PALM
513	SABAL PALM	18	PRESERVE	N/A	N/A	1 PALM
514	SABAL PALM	12	PRESERVE	N/A	N/A	N/A
515	SABAL PALM	10	PRESERVE	N/A	N/A	N/A
516	LIVE OAK	14	PRESERVE	N/A	N/A	14
517	LIVE OAK	10 DBL	PRESERVE	N/A	N/A	20
518	LIVE OAK	10	PRESERVE	N/A	N/A	N/A
519	LIVE OAK	10	PRESERVE	N/A	N/A	N/A
520	SABAL PALM	12	REMOVE	NO	N/A	N/A
521	SABAL PALM	12	PRESERVE	N/A	N/A	N/A
522	LIVE OAK	8	PRESERVE	N/A	N/A	N/A
523	SABAL PALM	12	PRESERVE	N/A	N/A	N/A
524	SABAL PALM	16	PRESERVE	N/A	N/A	1 PALM
525	SABAL PALM	14	PRESERVE	N/A	N/A	1 PALM
526	SABAL PALM	12	PRESERVE	N/A	N/A	N/A
527	LIVE OAK	32	PRESERVE	N/A	N/A	32
528	LIVE OAK	14	PRESERVE	N/A	N/A	14
529	SABAL PALM	14	PRESERVE	N/A	N/A	1 PALM
530	SABAL PALM	14	PRESERVE	N/A	N/A	1 PALM
531	SABAL PALM	14	PRESERVE	N/A	N/A	1 PALM
532	SABAL PALM	12	PRESERVE	N/A	N/A	N/A
533	SABAL PALM	14	PRESERVE	N/A	N/A	1 PALM
534	SABAL PALM	14	PRESERVE	N/A	N/A	1 PALM
535	SABAL PALM	14	PRESERVE	N/A	N/A	1 PALM
536	SABAL PALM	12	PRESERVE	N/A	N/A	N/A
537	SABAL PALM	12	PRESERVE	N/A	N/A	N/A
538	SABAL PALM	16	PRESERVE	N/A	N/A	1 PALM
539	SABAL PALM	12	PRESERVE	N/A	N/A	1 PALM
540	SABAL PALM	12	PRESERVE	N/A	N/A	N/A
541	SABAL PALM	16	PRESERVE	N/A	N/A	1 PALM
542	SABAL PALM	14	PRESERVE	N/A	N/A	1 PALM
543	SABAL PALM	14	PRESERVE	N/A	N/A	1 PALM
544	SABAL PALM	10	PRESERVE	N/A	N/A	N/A
545	SABAL PALM	18	PRESERVE	N/A	N/A	1 PALM
546	LIVE OAK	18	PRESERVE	N/A	N/A	18
547	LIVE OAK	10	PRESERVE	N/A	N/A	N/A
548	LIVE OAK	6	PRESERVE	N/A	N/A	N/A
549	LIVE OAK	8	PRESERVE	N/A	N/A	N/A
550	LIVE OAK	36	PRESERVE	N/A	N/A	36
551	LIVE OAK	12	PRESERVE	N/A	N/A	N/A
552	SABAL PALM	20	PRESERVE	N/A	N/A	1 PALM
553	SABAL PALM	18	PRESERVE	N/A	N/A	1 PALM
554	SABAL PALM	14	PRESERVE	N/A	N/A	1 PALM
555	SABAL PALM	16	PRESERVE	N/A	N/A	1 PALM
556	SABAL PALM	16	PRESERVE	N/A	N/A	1 PALM
557	SABAL PALM	16	PRESERVE	N/A	N/A	1 PALM
558	SABAL PALM	18	PRESERVE	N/A	N/A	1 PALM
559	SABAL PALM	16	PRESERVE	N/A	N/A	1 PALM
560	SABAL PALM	12	PRESERVE	N/A	N/A	N/A
561	LIVE OAK	48	PRESERVE	N/A	N/A	48
562	SABAL PALM	14	PRESERVE	N/A	N/A	1 PALM
563	SABAL PALM	12	PRESERVE	N/A	N/A	N/A
564	SABAL PALM	12	PRESERVE	N/A	N/A	N/A
565	SABAL PALM	12	PRESERVE	N/A	N/A	N/A
566	SABAL PALM	10	PRESERVE	N/A	N/A	N/A
567	SABAL PALM	12	PRESERVE	N/A	N/A	1 PALM
568	SABAL PALM	12	PRESERVE	N/A	N/A	N/A
569	SABAL PALM	8	PRESERVE	N/A	N/A	N/A
570	SABAL PALM	12	PRESERVE	N/A	N/A	N/A
571	SABAL PALM	12	PRESERVE	N/A	N/A	N/A
572	SABAL PALM	12	PRESERVE	N/A	N/A	1 PALM
573	SABAL PALM	14	PRESERVE	N/A	N/A	1 PALM
574	SABAL PALM	16	PRESERVE	N/A	N/A	1 PALM
575	SABAL PALM	16	PRESERVE	N/A	N/A	1 PALM
576	SABAL PALM	16	PRESERVE	N/A	N/A	1 PALM
577	SABAL PALM	16	PRESERVE	N/A	N/A	1 PALM
578	SABAL PALM	6	PRESERVE	N/A	N/A	N/A
579	SLASH PINE	15	PRESERVE	N/A	N/A	N/A
580	SLASH PINE	15	PRESERVE	N/A	N/A	N/A
581	UNKNOWN	10	PRESERVE	N/A	N/A	N/A
582	SABAL PALM	15	PRESERVE	N/A	N/A	1 PALM
583	LIVE OAK	8	REMOVE	NO	N/A	N/A
584	SABAL PALM	12	REMOVE	NO	N/A	N/A
585	LIVE OAK	5	REMOVE	NO	N/A	N/A
586	LIVE OAK	8	REMOVE	NO	N/A	N/A
587	LIVE OAK	4	REMOVE	NO	N/A	N/A
588	LIVE OAK	24	REMOVE	YES	24	N/A
589	SABAL PALM	15	REMOVE	YES	1 PALM	N/A
590	SABAL PALM	12	REMOVE	YES	1 PALM	N/A
591	LIVE OAK	36	REMOVE	YES	36	N/A
592	SABAL PALM	12	REMOVE	NO	N/A	N/A
593	SABAL PALM	30	REMOVE	YES	1 PALM	N/A
594	LIVE OAK	15	REMOVE	YES	1 PALM	N/A
595	SABAL PALM	12	PRESERVE	N/A	N/A	N/A
596	LIVE OAK	24	PRESERVE	N/A	N/A	24
597	SABAL PALM	15	REMOVE	YES	1 PALM	N/A
598	SABAL PALM	15	REMOVE	YES	1 PALM	N/A
599	SABAL PALM	18	PRESERVE	N/A	N/A	1 PALM
600	SABAL PALM	15	PRESERVE	N/A	N/A	1 PALM

Plotted By: Nolan, Kennedy Sheet Set: OLEANDER OAKS Layout: C-100 SITE PLAN August 12, 2021 01:21:24pm K:\VRB_LDEV\147811000 - Oleander Oaks\CAD\plansheets\C-100 SITE PLAN.dwg

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OWNER/DEVELOPER
ALVA STONE GROUP
591 EVERNIA STREET, #1603
WEST PALM BEACH, FL 33401

CIVIL ENGINEER
BLAINE BERGSTRESSER, P.E.
KIMLEY-HORN AND ASSOCIATES, INC.
445 24TH STREET, SUITE 200
VERO BEACH, FL 32960

DEVELOPMENT DATA

PROJECT NAME	OLEANDER OAKS
TAX PARCEL ID NO.	2433-144-0002-000-3
EXISTING FUTURE LAND USE	MEDIUM DENSITY RESIDENTIAL (RM)
PROPOSED FUTURE LAND USE	MEDIUM DENSITY RESIDENTIAL (RM)
EXISTING ZONING	MEDIUM DENSITY RESIDENTIAL (R-4)
PROPOSED ZONING	PLANNED DEVELOPMENT ZONE (PD)
PROJECT USE	SINGLE-FAMILY RESIDENTIAL
MAXIMUM ALLOWABLE DENSITY	6.5 - 12 DU/AC
PROPOSED DENSITY	3.87 DU/AC

FLOOD ZONE

PROPERTY LIES WITHIN FLOOD ZONE "X" & "AE",
ACCORDING TO THE F.I.R.M. MAP NO. 12111C0189J.

TOTAL AREA OF TRACT	562,732 SF	12.92 AC	100%
AREA OF PROPOSED BUILDINGS	100,000 SF	2.30 AC	17.80%
AREA OF PROPOSED PAVEMENT	75,000 SF	1.72 AC	13.33%
TOTAL PROPOSED IMPERVIOUS AREA	175,000 SF	4.02 AC	31.13%
AREA OF WETLAND	36,463 SF	0.84 AC	6.50%
AREA OF WETLAND BUFFER	15,154 SF	0.35 AC	2.69%
AREA OF PROPOSED POND	28,315 SF	0.65 AC	5.03%
AREA OF PROPOSED OPEN SPACE	307,800 SF	7.07 AC	55.72%
TOTAL PROPOSED OPEN SPACE AREA	387,732 SF	8.90 AC	68.89%
REQUIRED OPEN SPACE AREA	112,547 SF	2.58 AC	20.00%

LEGAL DESCRIPTION

PER OFFICIAL RECORDS BOOK 4050, PAGE 2327

PARCEL ONE:
ALL OF THE EAST 1/2 OF THE NORTHEAST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 35 SOUTH, RANGE 40 EAST, LYING NORTH OF LAND OWNED BY MRS. HARRY E KESLER ON THE 7TH DAY OF MARCH 1956, LESS LAND FOR ROADS AND DRAINAGE CANALS. THE SAID LAND IS ALSO DESCRIBED AS THE EAST 1/2 OF THE NORTHEAST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 33, TOWNSHIP 35 SOUTH, RANGE 40 EAST, LESS THE SOUTH 630 FEET THEREOF.

PARCEL TWO: THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4 OF THE NORTHEAST 1/4 OF SECTION 33, TOWNSHIP 35 SOUTH, RANGE 40 EAST, LESS AND EXCEPTING THEREFROM ALL RIGHTS OF WAY AND EASEMENTS FOR PUBLIC ROAD AND DRAINAGE CANALS.

ZONING	PD
MIN. LOT SIZE	5,000 SF
MIN. LOT WIDTH	60'
MIN. LOT DEPTH	70' (82 PROPOSED)
MIN. ROAD FRONTAGE	25'
MAX. LOT COVERAGE	40%
BUILDING HEIGHT (1 STORY)	45'
MAX. GROSS DENSITY (DU/AC.)	12 DU/AC. (3.87 DU/AC. PROPOSED)
MIN. SETBACKS	
FRONT	15'
SIDE (INTERIOR)	5'
SIDE (CORNER)	5'
GARAGE	20'
REAR	15'

NOTES

- NO POOLS, SHEDS, OR SCREENED ENCLOSURES ARE TO BE PERMITTED ON ANY INDIVIDUAL LOTS.
- AIR CONDITIONER UNITS WILL HAVE A 5' SIDE SETBACK.

REGULAR LOT DETAIL

SCALE: N.T.S.

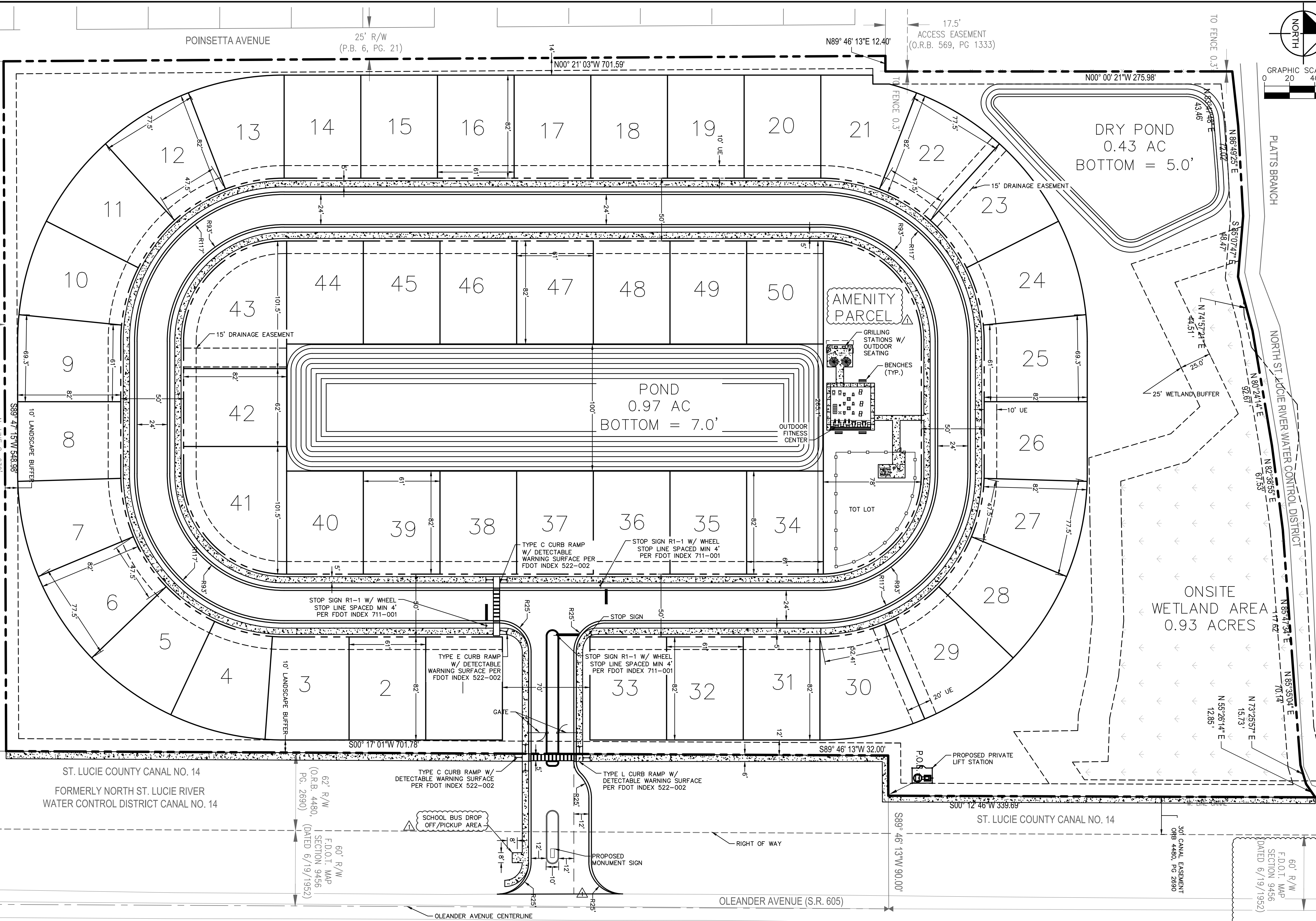
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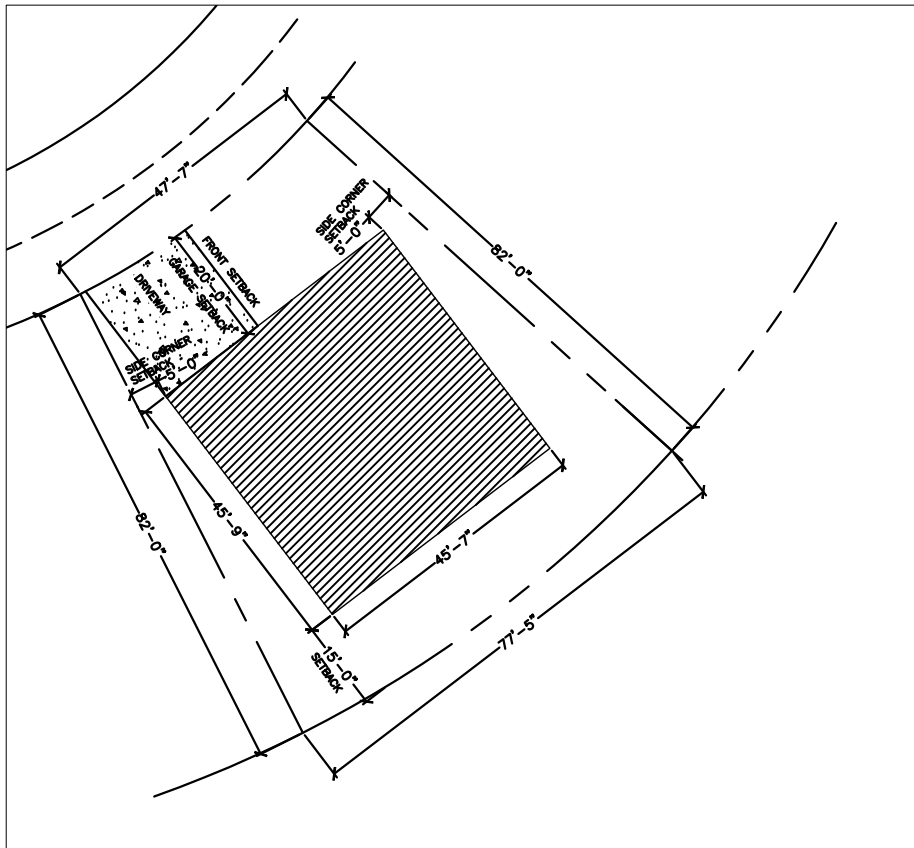
811
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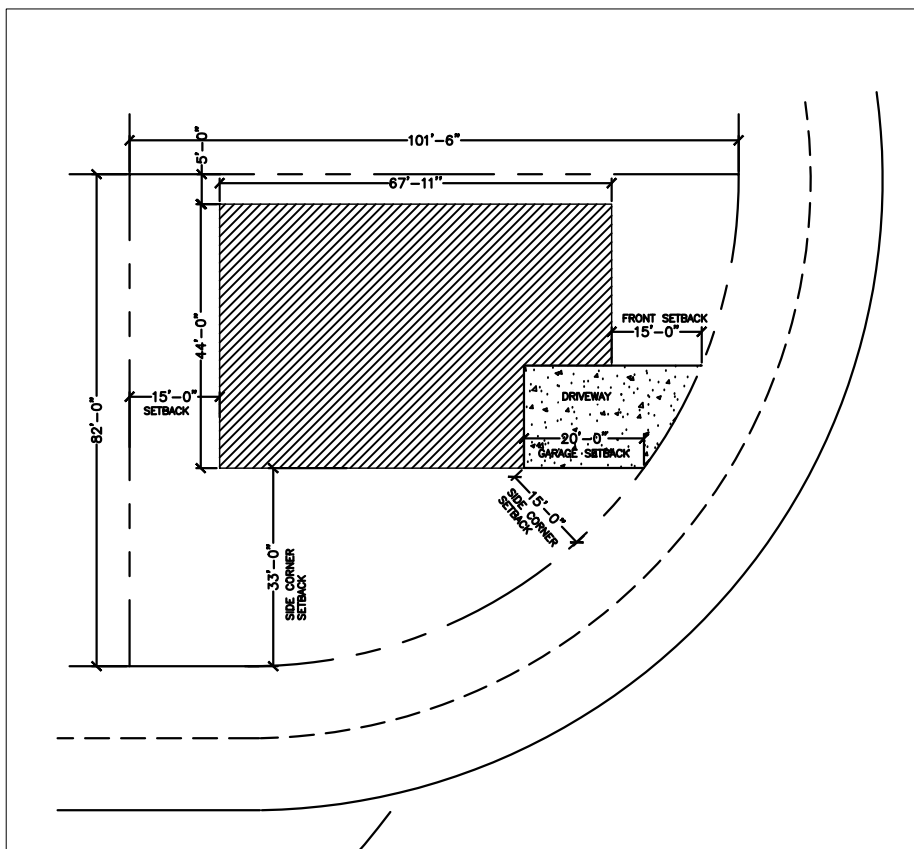
LOCATION MAP

1"=1000'



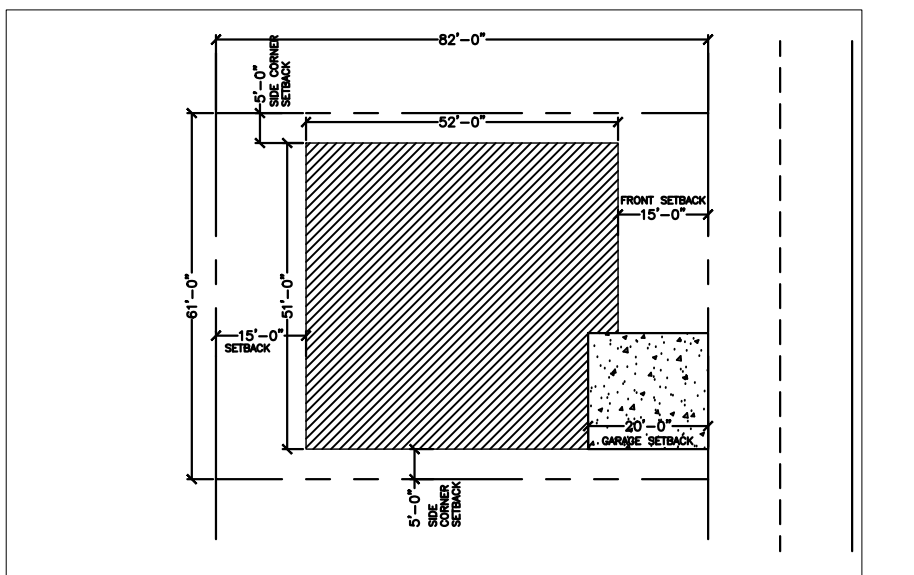
CURVATURE LOT DETAIL

SCALE: N.T.S.



CORNER LOT DETAIL

SCALE: N.T.S.



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BLAINE BERGSTRESSER

FL LICENSE NUMBER
84598

KHA PROJECT
147811000

DATE
04/12/2021

SCALE AS SHOWN
DESIGNED BY BRB

DRAWN BY TJE
CHECKED BY BRB

SITE PLAN

OLEANDER OAKS

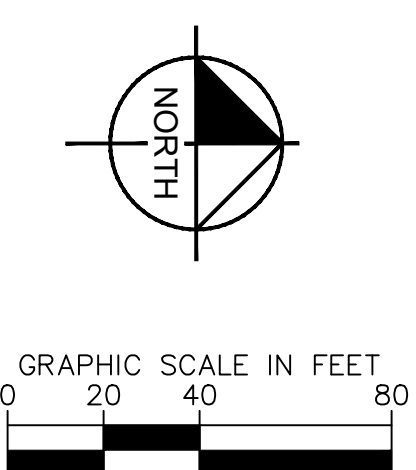
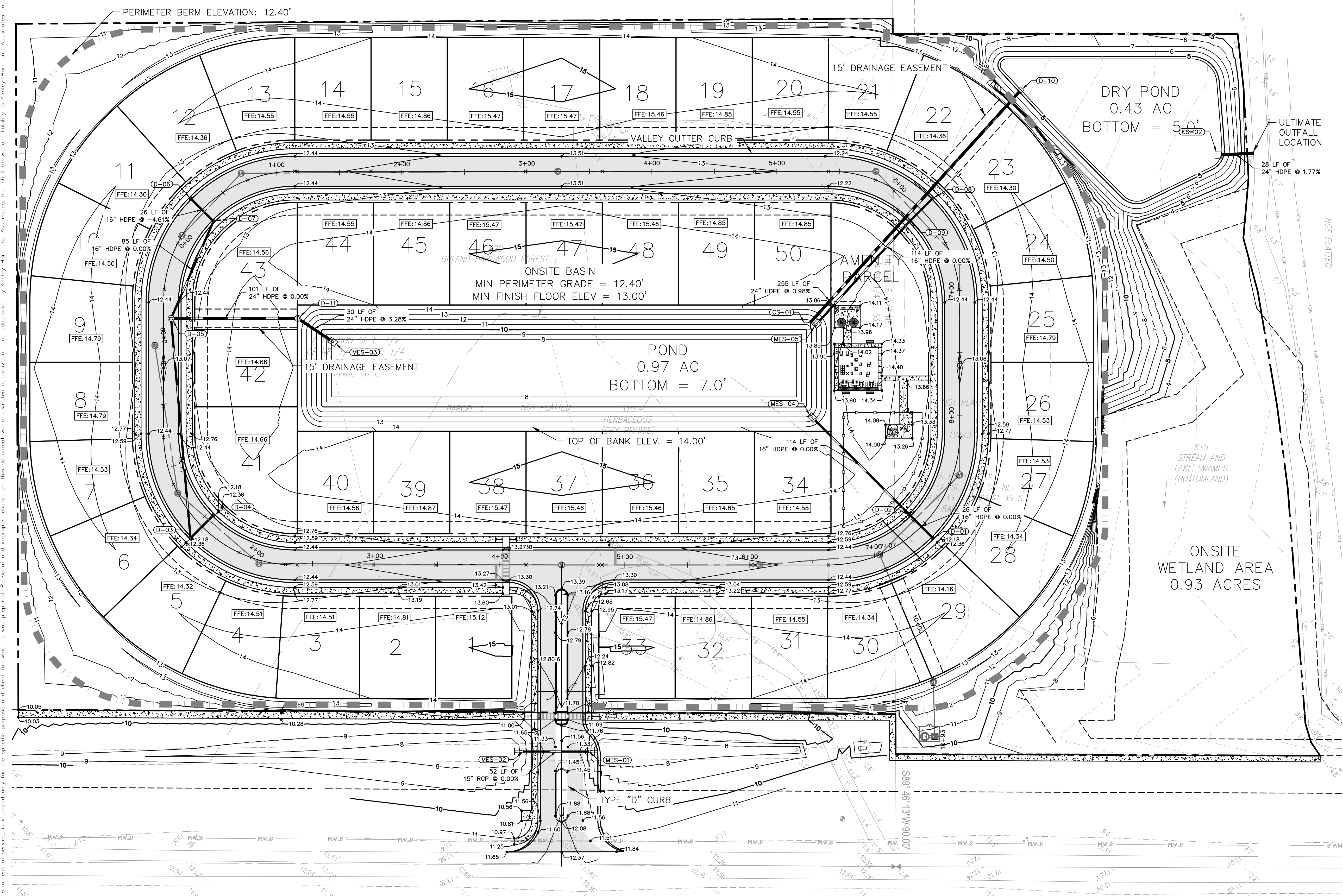
PREPARED FOR
ALVA STONE GROUP

CITY OF FORT PIERCE

SHEET NUMBER
C-100

Plotted By: Nolan, Kennedy Sheet Set: OLEANDER OAKS Layout: C-200 PAVING GRADING AND DRAINAGE PLAN August 12, 2021 01:21:41pm K:\VRB_LDEV\147811000 - oleander oaks\CAD\plansheets\C-200 PAVING GRADING AND DRAINAGE PLAN.dwg

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DRAINAGE NOTES

- ELEVATIONS SHOWN HEREON ARE REFERENCED TO NAVD 1988.
- SURVEY INFORMATION SHOWN HEREON WAS PROVIDED BY HSO GROUP, INC.
- CONTRACTOR TO CONSTRUCT DRAINAGE STRUCTURES WITH USF GRATES. RIMS AND COVERS AS CALLED OUT OR APPROVED EQUAL. SHOP DRAWINGS ARE TO BE PROVIDED TO ENGINEER FOR APPROVAL PRIOR TO ANY CONSTRUCTION.
- CONTRACTOR TO REFER TO FDOT DESIGN STANDARD (AND NOT LIMITED TO) INDEXES 200, 201, 210, 211, 214, 232 & 233 FOR MANHOLE, INLET AND GRATE SPECIFICATIONS.
- ALL DRAINAGE STRUCTURES SHALL BE CONSTRUCTED WITH (4) SIDED BEARING HEAVY DUTY H-20 RATED TRAFFIC RIMS AND GRATES.
- CONTRACTOR TO VERIFY ALL EXISTING UTILITY RINGS AND COVERS ON SITE ARE HEAVY DUTY TRAFFIC RATED. CONTRACTOR TO REPLACE DEFICIENT RINGS AND COVERS WITH HEAVY DUTY TRAFFIC RATED RINGS AND COVERS. CONTRACTOR TO ADJUST RIM ELEVATIONS OF ANY UTILITIES THAT CHANGE IN ELEVATION DURING CONSTRUCTION.
- ALL CLEAN-OUT COVERS SHOULD BE RATED FOR HEAVY DUTY TRAFFIC. SIDEWALKS AND CROSSWALKS SHALL NOT EXCEED 2% CROSS SLOPE NOR 5% LONGITUDINALLY. GRADES IN ACCESSIBLE PARKING SPACES SHALL NOT EXCEED 2% IN ANY DIRECTION. IN CASES OF SIDEWALK LANDINGS AT BUILDING ENTRANCES, GRADES SHALL NOT EXCEED 2% IN ANY DIRECTION. ACCESSIBLE CURB RAMP SHALL NOT EXCEED 6" IN LENGTH AND 1:12 SLOPE. LANDINGS AT CHANGES IN DIRECTION SHALL BE MINIMUM 60"x60" AND SHALL NOT EXCEED 2% SLOPE IN ANY DIRECTION.
- ROOF DRAIN CONNECTIONS TO DRAINAGE PIPE SHALL BE AS FOLLOWS:
A. FOR ADS N-12 CORRUGATED POLYETHYLENE DRAINAGE PIPE USE ADS DUAL WALL FABRICATED REDUCING SADDLE TEE 4" DIA. DIAMETER.
B. FOR RCP DRAINAGE PIPE MAKE CONNECTION PER FDOT INDEX 280 CONCRETE COLLAR FOR JOINING MAINLINE PIPE AND STUB PIPE DETAIL.
C. NOTIFY CONSULTANT FOR CONNECTION METHOD TO STEEL PIPE.
- ALL DRAINAGE PIPE JOINTS SHALL BE FILTER FABRIC WRAPPED PER FDOT INDEX #280. ALL DRAINAGE PIPE JOINTS NEED TO BE FILTER FABRIC WRAPPED REGARDLESS OF MATERIAL.
- IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO REPAIR AND/OR REPLACE THE EXISTING STRUCTURE AS NECESSARY TO RETURN IT TO EXISTING CONDITIONS OR BETTER.
- PRECAST STRUCTURES MAY BE USED AT CONTRACTORS OPTION.
- ALL STORM PIPE ENTERING STRUCTURES SHALL BE GROUTED TO ASSURE CONNECTION AT STRUCTURE IS WATERTIGHT.
- ALL STORM SEWER MANHOLES IN PAVED AREAS SHALL BE FLUSH WITH PAVEMENT, AND SHALL HAVE TRAFFIC BEARING RING & COVERS. MANHOLES IN UNPAVED AREAS SHALL BE 6" ABOVE FINISH GRADE. LIDS SHALL BE LABELED "STORM SEWER".
- ALL CATCH BASINS WITHIN PROPOSED TRAFFIC AREAS SHALL HAVE BICYCLE PROOF GRATES.
- CONTRACTOR TO FLUSH AND VACUUM ENTIRE ON-SITE STORM WATER SYSTEM UPON COMPLETION OF PROPOSED WORK.
- MINIMUM DRAINAGE PIPE SHALL BE 15 INCHES PER CITY OF FORT PIERCE LAND DEVELOPMENT ORDINANCE SEC 119-3 DESIGN STANDARDS; STORMWATER MANAGEMENT; APPROVALS.

LEGEND

- TYPE "T" CURB AND GUTTER
- TYPE "D" CURB
- PERIMETER BERM
- HEAVY DUTY ASPHALT PAVEMENT
- STANDARD DUTY ASPHALT PAVEMENT
- HEAVY DUTY CONCRETE PAVEMENT
- STANDARD DUTY CONCRETE PAVEMENT

DRAINAGE LEGEND

- PROPOSED STORM INLET
- PROPOSED MITERED END SECTION
- PROPOSED DRAINAGE PIPE
- PROPOSED DIRECTION OF SURFACE WATER RUNOFF
- PROPOSED SURFACE ELEVATION
- EXISTING CONTOUR

STRUCTURE TABLE				
STRUCTURE NAME:	TYPE:	RIM ELEV:	INV ELEV:	PIPE DIA:
CS-01	FDOT TYPE "C" CONTROL STRUCTURE	10.75	INV OUT: 7.500 (NW)	DIA OUT: 24"
CS-02	FDOT TYPE "C" CONTROL STRUCTURE	8.08	INV OUT: 6.000 (N)	DIA OUT: 24"
D-01	TYPE "S" INLET PER FDOT INDEX #425-040	12.00	INV IN: 8.15 (SW)	DIA IN: 16"
D-02	TYPE "S" INLET PER FDOT INDEX #425-040	12.00	INV OUT: 8.150 (NE) INV OUT: 8.150 (SW)	DIA OUT: 16" DIA OUT: 16"
D-03	TYPE "S" INLET PER FDOT INDEX #425-040	12.00	INV OUT: 8.150 (NW) INV OUT: 8.150 (W)	DIA OUT: 16" DIA OUT: 16"
D-04	TYPE "S" INLET PER FDOT INDEX #425-040	12.00	INV IN: 8.15 (SE)	DIA IN: 16"
D-05	MANHOLE	12.69	INV IN: 8.15 (NW) INV IN: 8.15 (E) INV OUT: 8.150 (N)	DIA IN: 16" DIA IN: 16" DIA OUT: 24"

STRUCTURE TABLE				
STRUCTURE NAME:	TYPE:	RIM ELEV:	INV ELEV:	PIPE DIA:
D-06	TYPE "S" INLET PER FDOT INDEX #425-040	12.00	INV OUT: 8.300 (NE)	DIA OUT: 16"
D-07	TYPE "S" INLET PER FDOT INDEX #425-040	12.00	INV IN: 9.50 (SW) INV OUT: 8.150 (SE)	DIA IN: 16" DIA OUT: 16"
D-08	TYPE "S" INLET PER FDOT INDEX #425-040	12.00	INV IN: 8.15 (SE)	DIA IN: 16"
D-09	TYPE "S" INLET PER FDOT INDEX #425-040	12.00	INV OUT: 8.150 (NW) INV OUT: 8.150 (SE)	DIA OUT: 16" DIA OUT: 16"
D-10	BUBBLE UP STRUCTURE	8.58	INV IN: 5.00 (SE)	DIA IN: 24"
D-11	MANHOLE	13.82	INV IN: 8.15 (S) INV OUT: 8.000 (NE)	DIA IN: 24" DIA OUT: 24"
MES-01	MITERED END SECTION	9.52	INV OUT: 8.000 (S)	DIA OUT: 15"

STRUCTURE TABLE				
STRUCTURE NAME:	TYPE:	RIM ELEV:	INV ELEV:	PIPE DIA:
MES-02	MITERED END SECTION	9.52	INV IN: 8.00 (N)	DIA IN: 15"
MES-03	MITERED END SECTION	7.18	INV IN: 7.00 (SW)	DIA IN: 24"
MES-04	MITERED END SECTION	11.77	INV IN: 8.15 (NE)	DIA IN: 16"
MES-05	MITERED END SECTION	11.75	INV IN: 8.15 (NW)	DIA IN: 16"

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445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
PHONE: 772-794-4100
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BLAINE BERGSTRESSER
FL LICENSE NUMBER 84598

PAVING GRADING AND DRAINAGE PLAN

OLEANDER OAKS
PREPARED FOR
ALVA STONE GROUP

CITY OF FORT PIERCE

KHA PROJECT 147811000
DATE 04/12/2021
SCALE AS SHOWN
DESIGNED BY BRB
DRAWN BY TJE
CHECKED BY BRB

FL

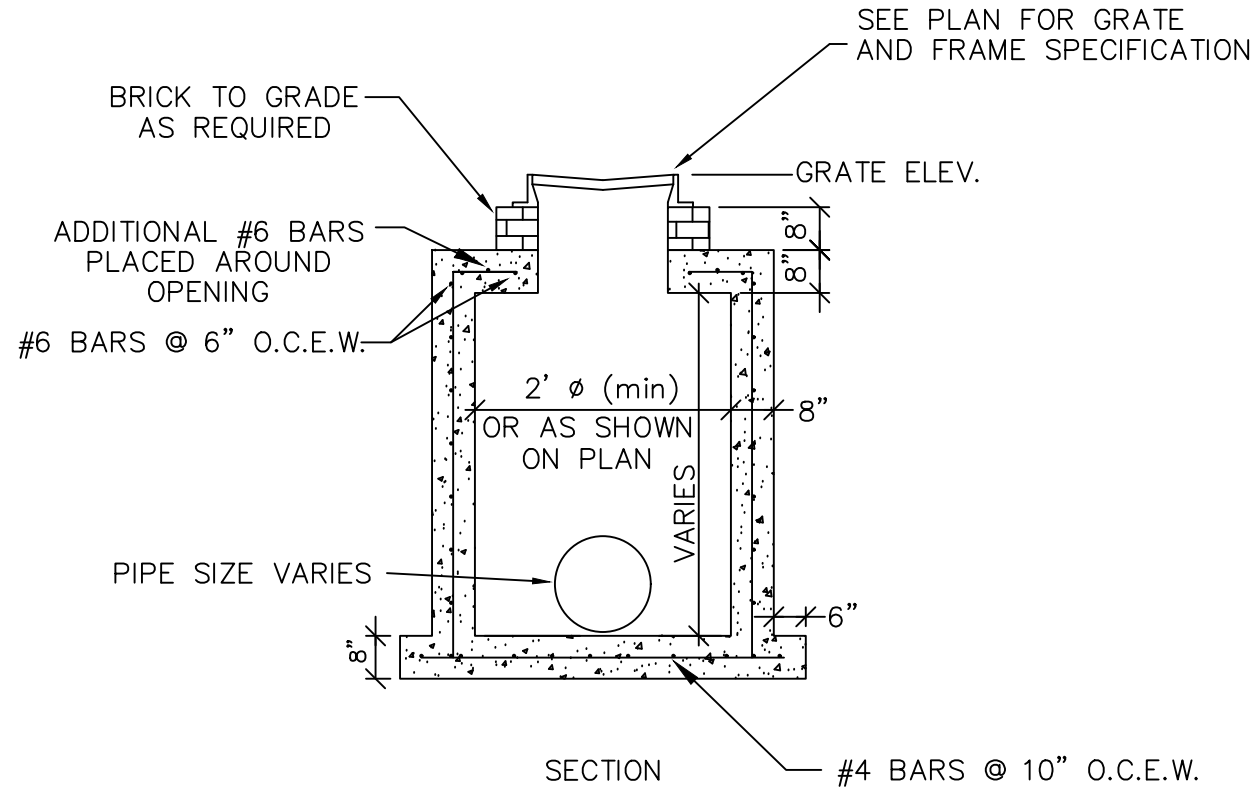
SHEET NUMBER
C-200

PER CITY COMMENTS
7/29/21 TJE

REVISIONS
No. DATE BY

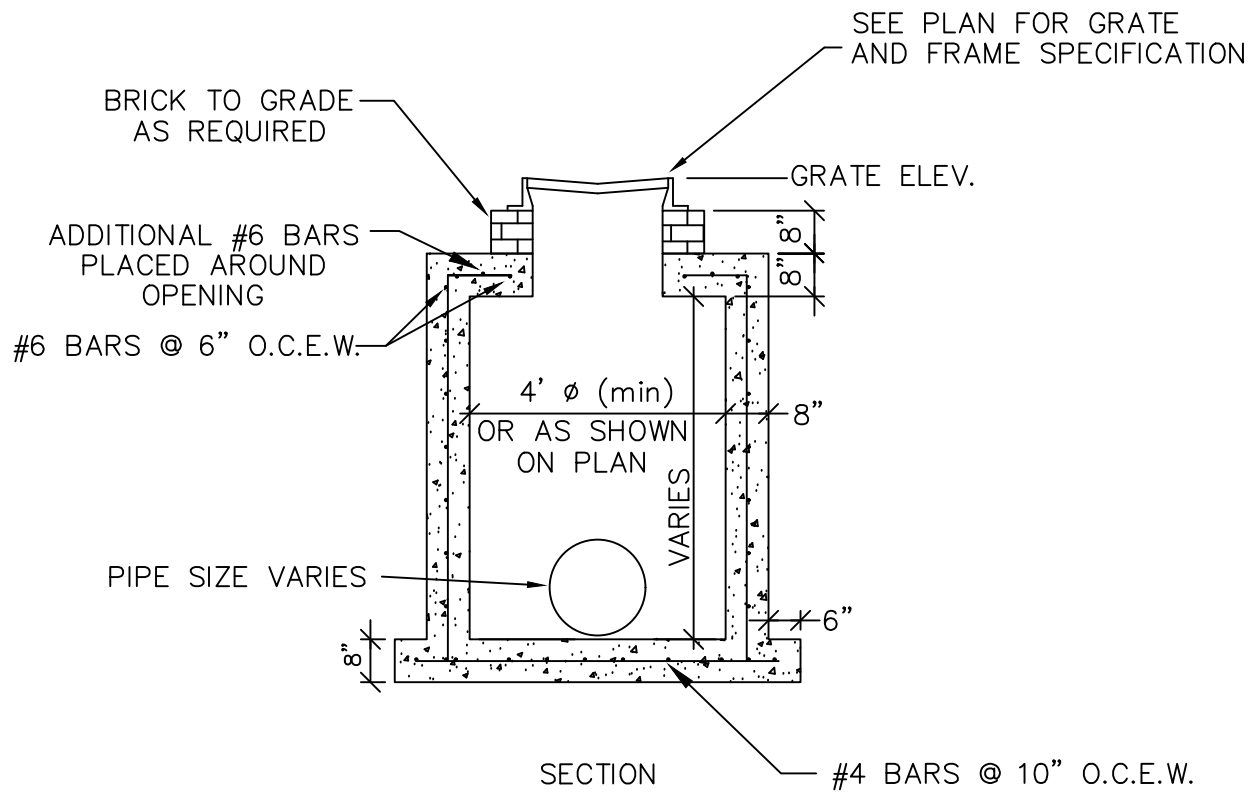
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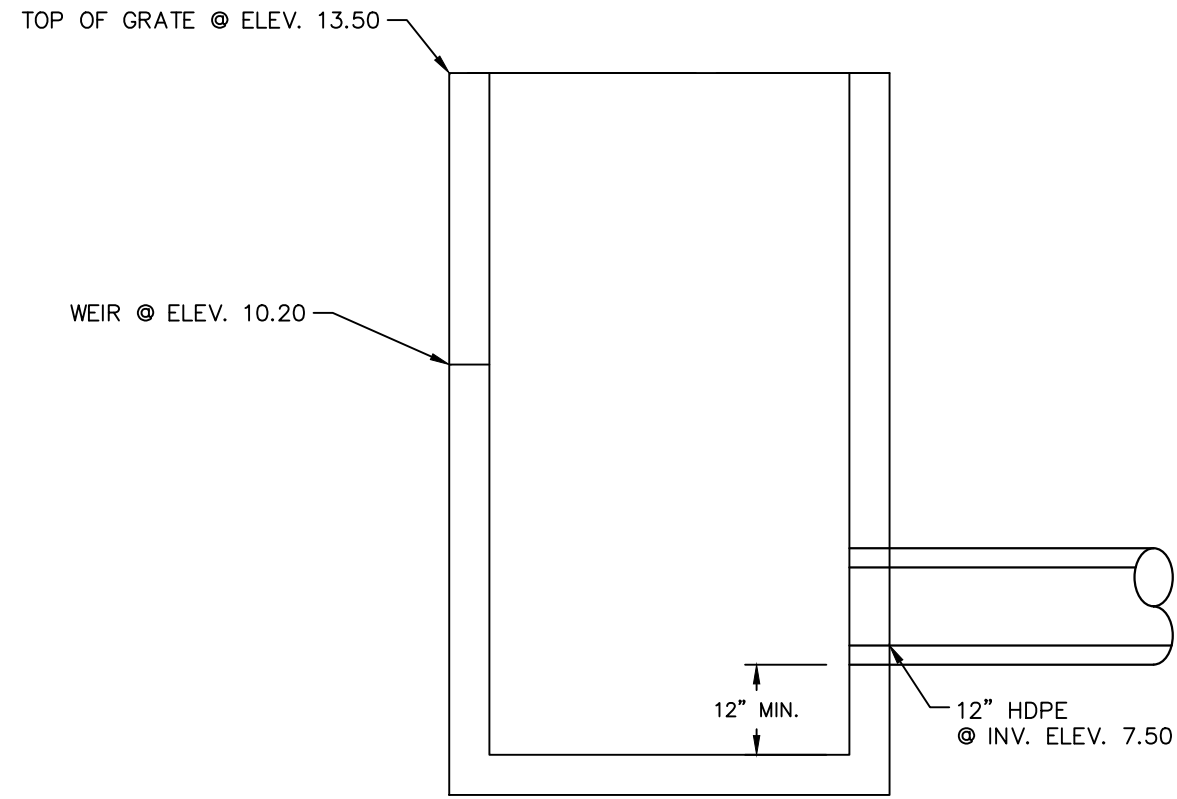
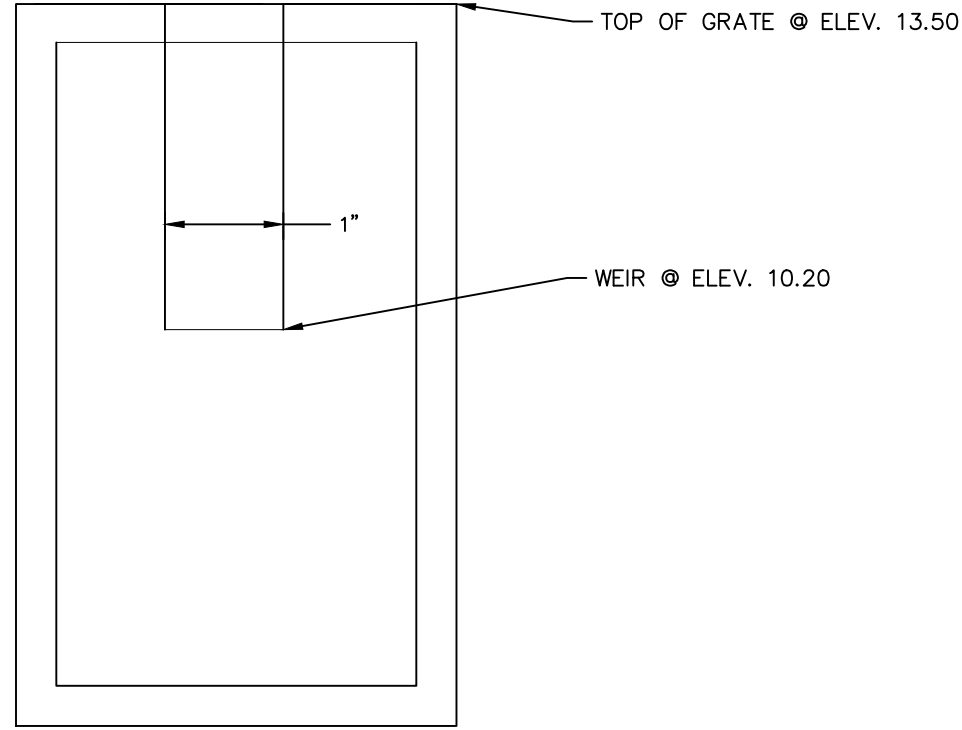
- NOTE:
1. TYPE II CEMENT 4000 P.S.I.
 2. WALL REINFORCEMENT A.S.T.M. DESIGNATION A185-64 OR EQUAL TO A.S.T.M. C-478.

TYPE C STORM INLET DETAIL
N.T.S



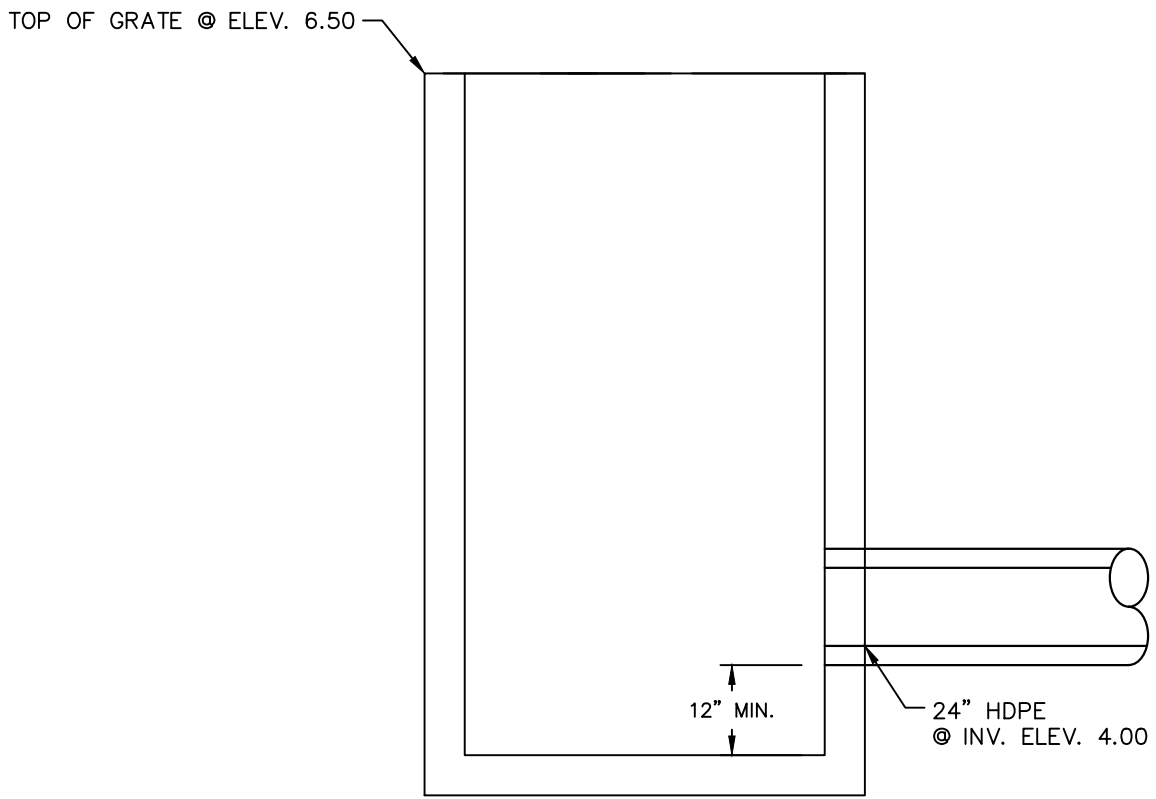
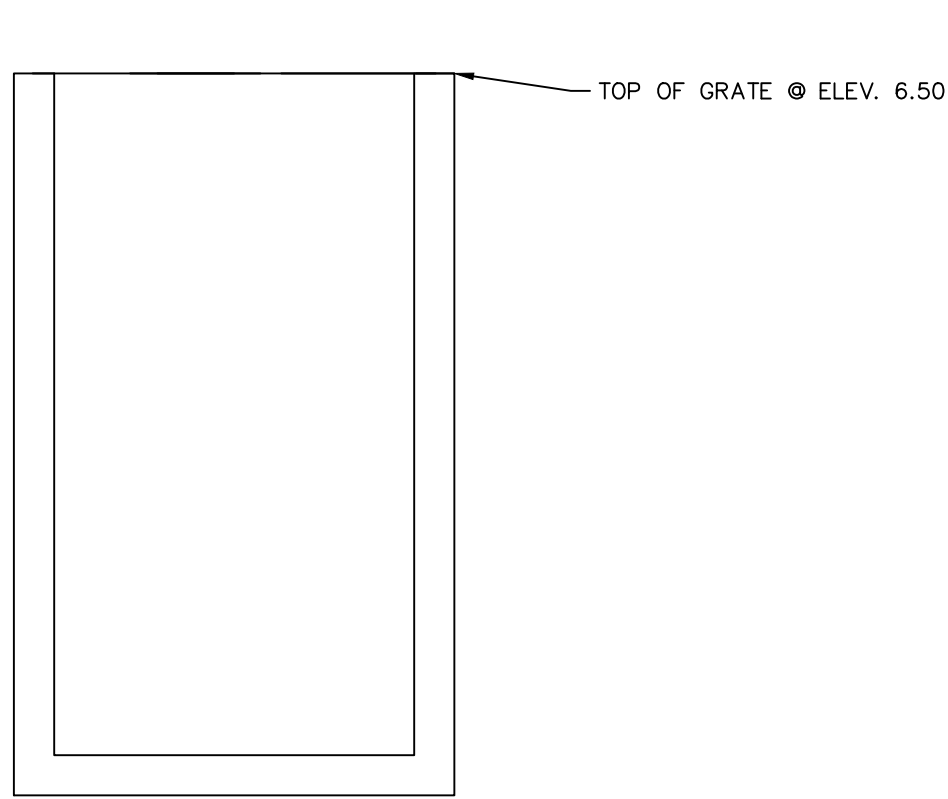
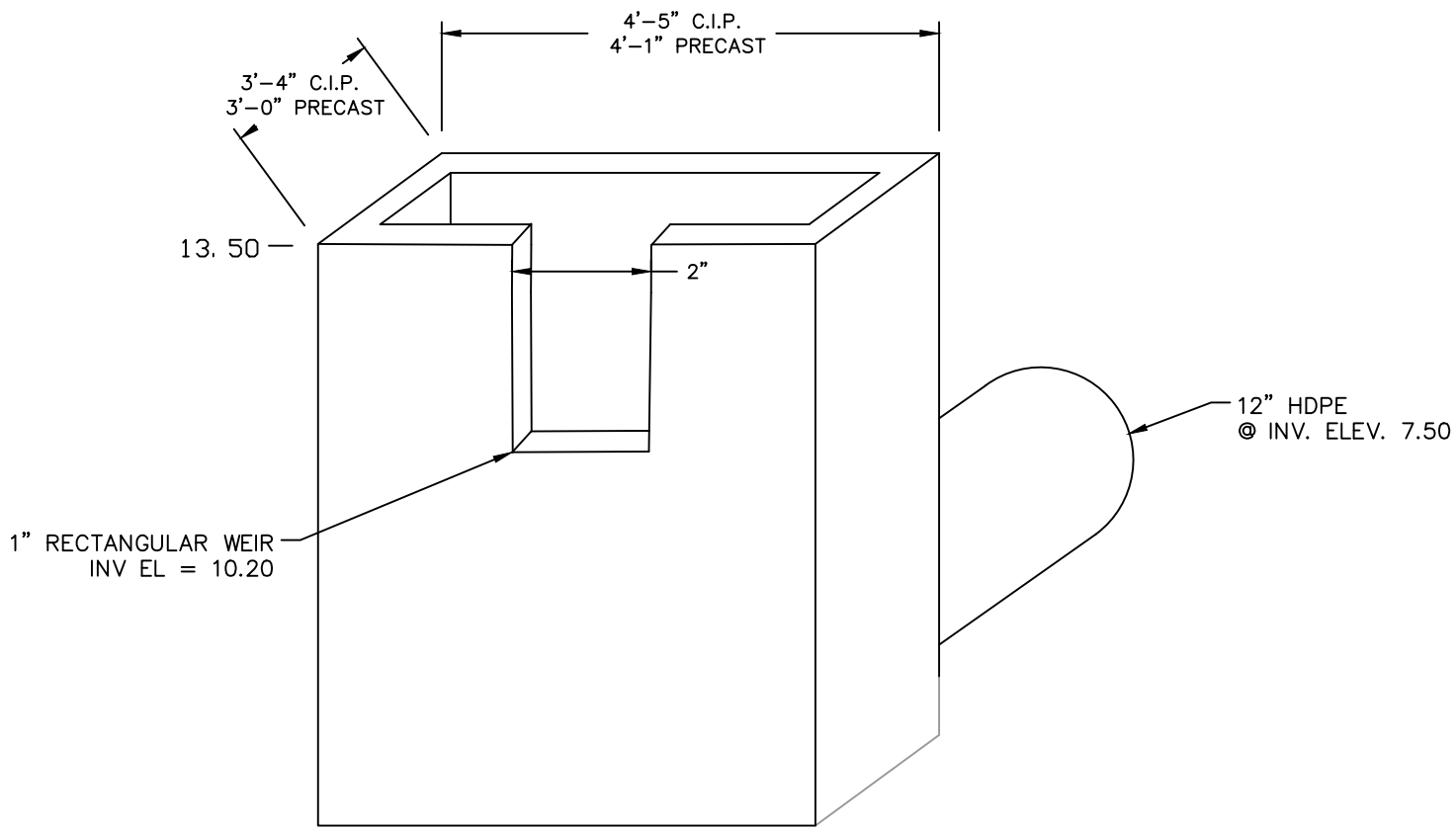
- NOTE:
1. TYPE II CEMENT 4000 P.S.I.
 2. WALL REINFORCEMENT A.S.T.M. DESIGNATION A185-64 OR EQUAL TO A.S.T.M. C-478.

TYPE D STORM INLET DETAIL
N.T.S



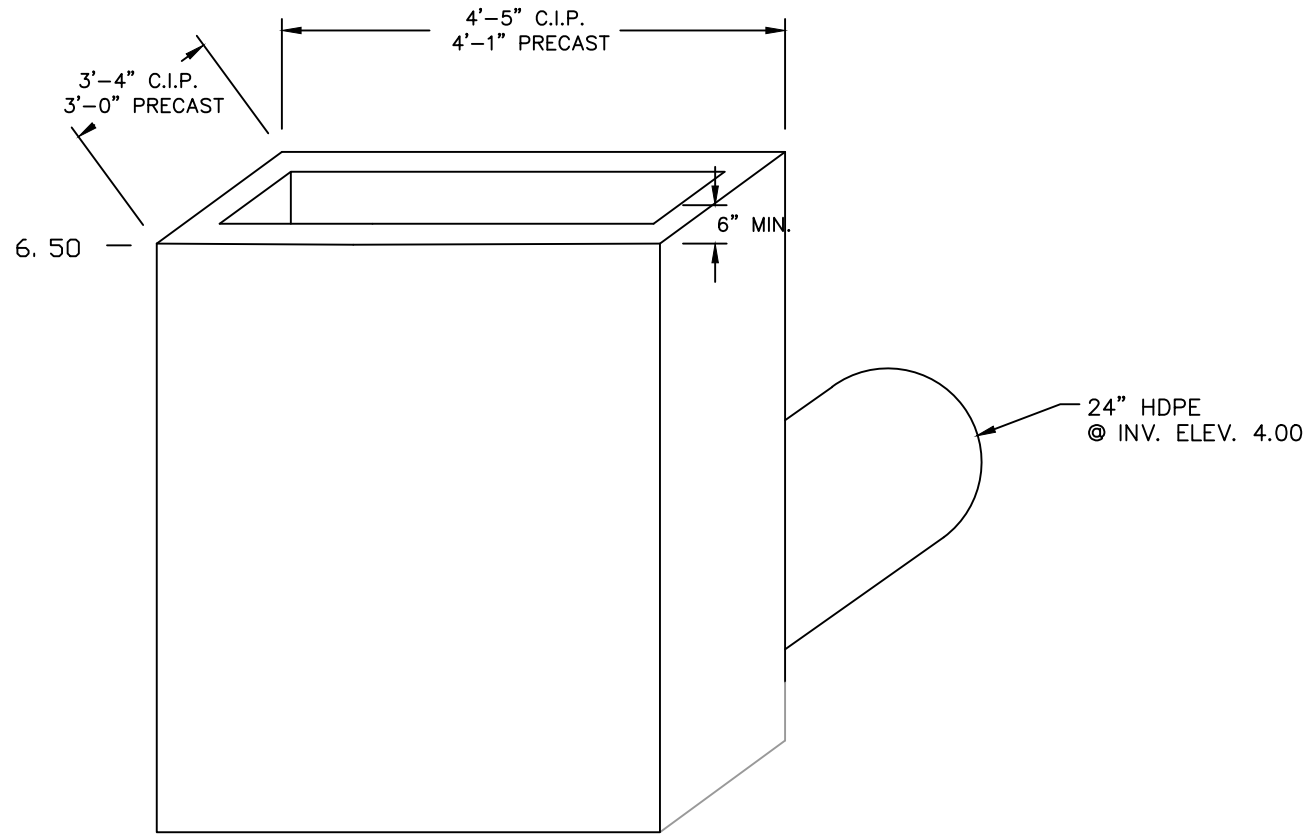
- CONTROL STRUCTURE NOTES:
1. CONTRACTOR TO REFER TO FDOT FY 2021-22 STANDARD PLANS INDEX 425-052 FOR REBAR SPACING AND SIZING.

CONTROL STRUCTURE (CS-01)
FDOT TYPE 'C' STRUCTURE
NTS



- CONTROL STRUCTURE NOTES:
1. CONTRACTOR TO REFER TO FDOT FY 2021-22 STANDARD PLANS INDEX 425-052 FOR REBAR SPACING AND SIZING.

CONTROL STRUCTURE (CS-02)
FDOT TYPE 'C' STRUCTURE
NTS



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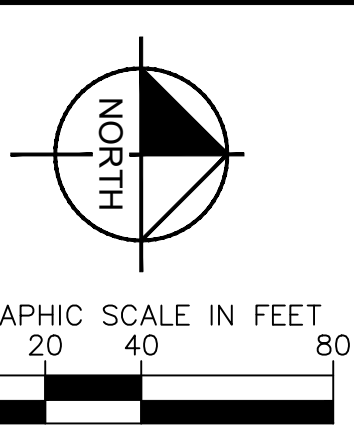
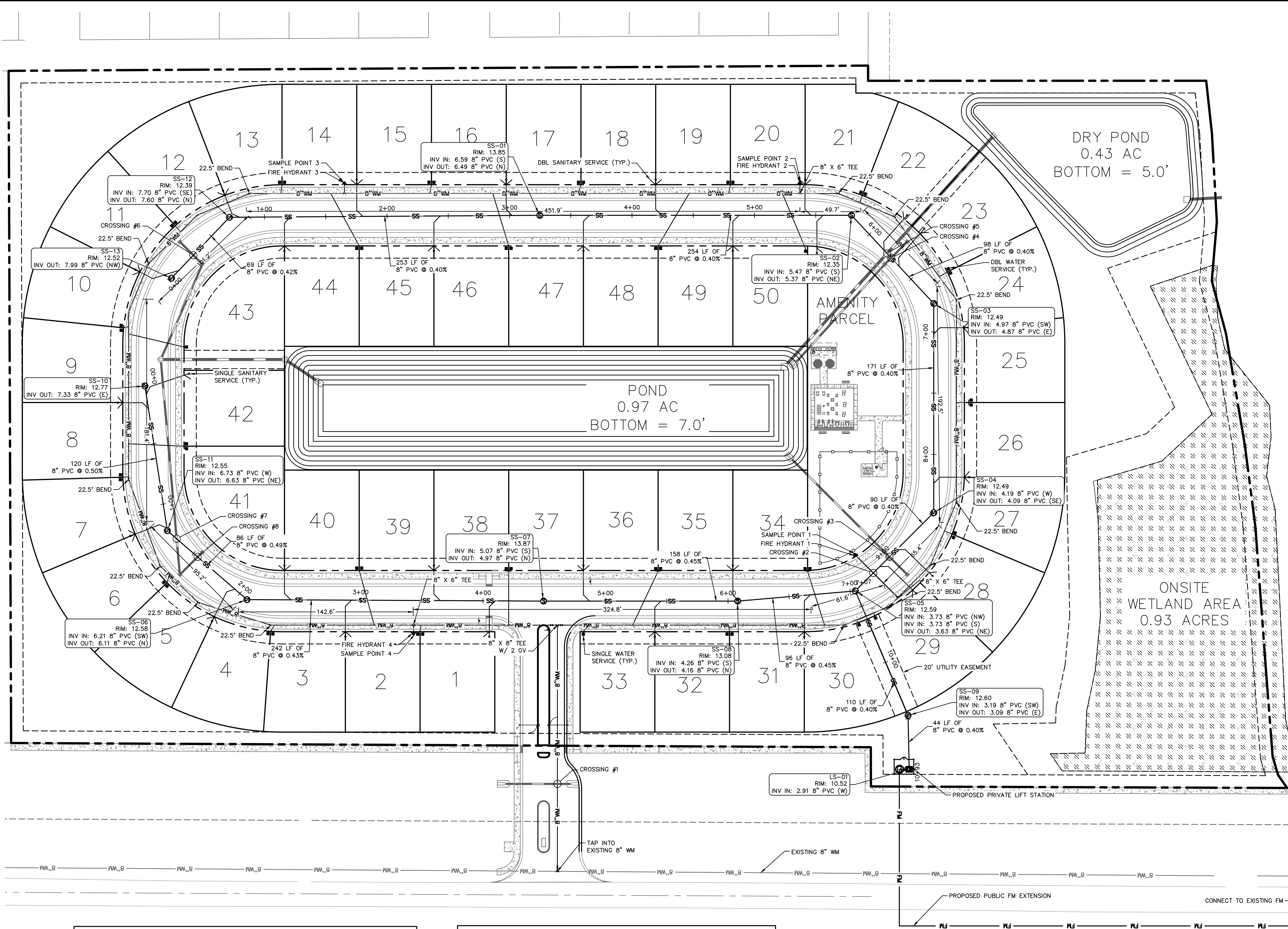
811
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SUNSHINE STATE ONE CALL OF FLORIDA, INC.

SHEET NUMBER		C-203		CITY OF FORT PIERCE		FL		PAVING GRADING AND DRAINAGE DETAILS		KHA PROJECT 147811000 DATE 04/12/2021 SCALE AS SHOWN DESIGNED BY BRB DRAWN BY TJE CHECKED BY BRB		BLAINE BERGSTRESSER FL LICENSE NUMBER 84598		© 2021 KIMLEY-HORN AND ASSOCIATES, INC. 445 24TH STREET, SUITE 200, VERO BEACH, FL 32960 PHONE: 772-794-4100 WWW.KIMLEY-HORN.COM CA 00000696		Kimley»Horn																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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- UTILITY LEGEND**
- PROPOSED WATER LINE
 - PROPOSED GATE VALVE
 - PROPOSED FIRE HYDRANT
 - PROPOSED SINGLE WATER SERVICE (1" LINE W/ 5/8" METER UNLESS OTHERWISE NOTED)
 - PROPOSED DOUBLE WATER SERVICE (1.5" LINE W/ (2) 5/8" METERS UNLESS OTHERWISE NOTED)
 - PROPOSED SINGLE SEWER SERVICE W/ CO
 - PROPOSED DOUBLE SEWER SERVICE W/ CO
 - PROPOSED SANITARY MANHOLE
 - PROPOSED SANITARY SEWER
 - PROPOSED WATER CAP
 - PROPOSED TEE

- UTILITY NOTES:**
- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS. ALL FILL MATERIAL IS TO BE IN PLACE, AND COMPACTED BEFORE INSTALLATION OF PROPOSED UTILITIES.
 - CONTRACTOR SHALL NOTIFY THE UTILITY AUTHORITIES INSPECTORS 72 HOURS BEFORE CONNECTING TO ANY EXISTING LINE.
 - SANITARY SEWER PIPE SHALL BE AS FOLLOWS UNLESS OTHERWISE NOTED ON THE PLANS:
 - 8" PVC SDR26 PER ASTM D 3034 DEPTHS LESS THAN 15'
 - WATER LINES SHALL BE AS FOLLOWS UNLESS OTHERWISE NOTED ON PLANS:
 - 6" AND LARGER, PVC C-900 PER ASTM D 2241
 - CLASS 200 UNDER ROADS, OTHERWISE CLASS 150
 - MINIMUM TRENCH WIDTH SHALL BE 2 FEET.
 - ALL UTILITIES SHOULD BE KEPT TEN (10') APART (PARALLEL) OR WHEN CROSSING 18" VERTICAL CLEARANCE (OUTSIDE EDGE OF PIPE TO OUTSIDE EDGE OF PIPE).
 - CONTRACTOR SHALL MAINTAIN A MINIMUM OF 36" COVER ON ALL WATERLINES AND FORCEMAINS.
 - CROSSINGS AND CONFLICTS MUST BE PER CITY OF PSL SPECIFICATIONS. LINES UNDERGROUND SHALL BE INSTALLED, INSPECTED AND APPROVED BEFORE BACKFILLING.
 - ALL CONCRETE FOR ENCASEMENTS SHALL HAVE A MINIMUM 28 COMPRESSION STRENGTH AT 3000 P.S.I.
 - CONTRACTOR IS RESPONSIBLE FOR COMPLYING TO THE SPECIFICATIONS OF THE LOCAL AUTHORITIES WITH REGARDS TO MATERIALS AND INSTALLATION OF THE WATER AND SEWER LINES.
 - ALL WATER MAIN INSTALLATIONS SHALL COMPLY WITH THE COLOR CODING REQUIREMENTS OF CHAPTER 62-555.320 FAC.
 - VALVES ARE NOT TO BE PLACED IN CURBS, SIDEWALKS, OR DRIVEWAYS. ALL MANHOLES SHALL BE ADJUSTED TO FINAL GRADE PRIOR TO BEGINNING PAVING.
 - DRIVEWAY APRON IS SHOWN FOR REFERENCE ONLY. DRIVEWAYS ARE TO BE CONSTRUCTED AND PERMITTED AS PART OF THE BUILDING PERMIT PROCESS.
 - TRACER WIRE MUST BE INSTALLED PER CITY SPEC./OPL.
 - THE PROPERTY OWNER, CONTRACTOR, AND AUTHORIZED REPRESENTATIVES SHALL PROVIDE PICK UP, REMOVAL, AND DISPOSAL OF LITTER WITHIN THE PROPERTY LIMITS AND SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE AREA FORM THE EDGE OF PAVEMENT TO THE PROPERTY LINE.

STRUCTURE TABLE				
STRUCTURE NAME:	TYPE:	RIM ELEV:	INV ELEV:	PIPE DIA:
LS-01	LIFT STATION	10.52	INV IN: 2.91 (W)	DIA IN: 8"
SS-01	MH	13.85	INV IN: 6.59 (S) INV OUT: 6.486 (N)	DIA IN: 8" DIA OUT: 8"
SS-02	MH	12.35	INV IN: 5.47 (S) INV OUT: 5.368 (NE)	DIA IN: 8" DIA OUT: 8"
SS-03	MH	12.49	INV IN: 4.97 (SW) INV OUT: 4.874 (E)	DIA IN: 8" DIA OUT: 8"
SS-04	MH	12.49	INV IN: 4.19 (W) INV OUT: 4.091 (SE)	DIA IN: 8" DIA OUT: 8"
SS-05	MH	12.59	INV IN: 3.73 (NW) INV IN: 3.73 (S) INV OUT: 3.629 (NE)	DIA IN: 8" DIA IN: 8" DIA OUT: 8"

STRUCTURE TABLE				
STRUCTURE NAME:	TYPE:	RIM ELEV:	INV ELEV:	PIPE DIA:
SS-06	MH	12.58	INV IN: 6.21 (SW) INV OUT: 6.105 (N)	DIA IN: 8" DIA OUT: 8"
SS-07	MH	13.87	INV IN: 5.07 (S) INV OUT: 4.973 (N)	DIA IN: 8" DIA OUT: 8"
SS-08	MH	13.08	INV IN: 4.26 (S) INV OUT: 4.160 (N)	DIA IN: 8" DIA OUT: 8"
SS-09	MH	12.60	INV IN: 3.19 (SW) INV OUT: 3.087 (E)	DIA IN: 8" DIA OUT: 8"
SS-10	MH	12.77	INV OUT: 7.330 (E)	DIA OUT: 8"
SS-11	MH	12.55	INV IN: 6.73 (W) INV OUT: 6.630 (NE)	DIA IN: 8" DIA OUT: 8"

STRUCTURE TABLE				
STRUCTURE NAME:	TYPE:	RIM ELEV:	INV ELEV:	PIPE DIA:
SS-12	MH	12.39	INV IN: 7.70 (SE) INV OUT: 7.600 (N)	DIA IN: 8" DIA OUT: 8"
SS-13	MH	12.52	INV OUT: 7.988 (NW)	DIA OUT: 8"

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.

CALL 48 HOURS BEFORE YOU DIG

IT'S THE LAW! DIAL 811

Know what's below. Call before you dig.

SUNSHINE STATE ONE CALL OF FLORIDA, INC.

Kimley»Horn

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445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
PHONE: 772-794-4100
WWW.KIMLEY-HORN.COM CA 00000696

BLAINE BERGSTRESSER

FL LICENSE NUMBER 84598

KHA PROJECT 147811000

DATE 04/12/2021

SCALE AS SHOWN

DESIGNED BY BRB

DRAWN BY TJE

CHECKED BY BRB

UTILITY PLAN

OLEANDER OAKS

PREPARED FOR

ALVA STONE GROUP

CITY OF FORT PIERCE

SHEET NUMBER

C-300

PER CITY COMMENTS

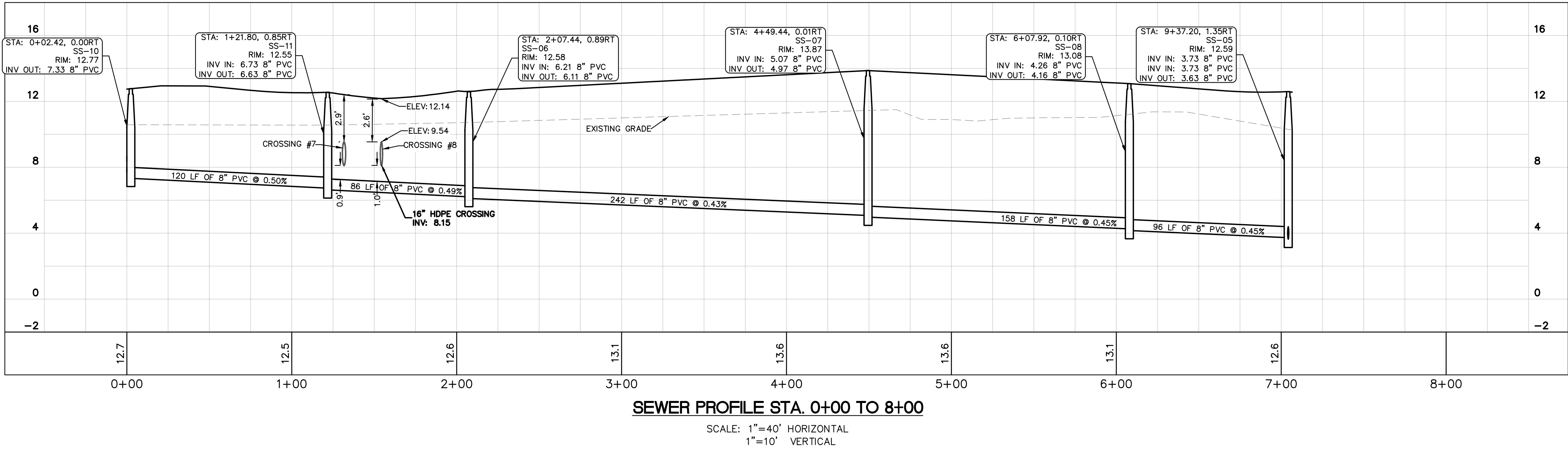
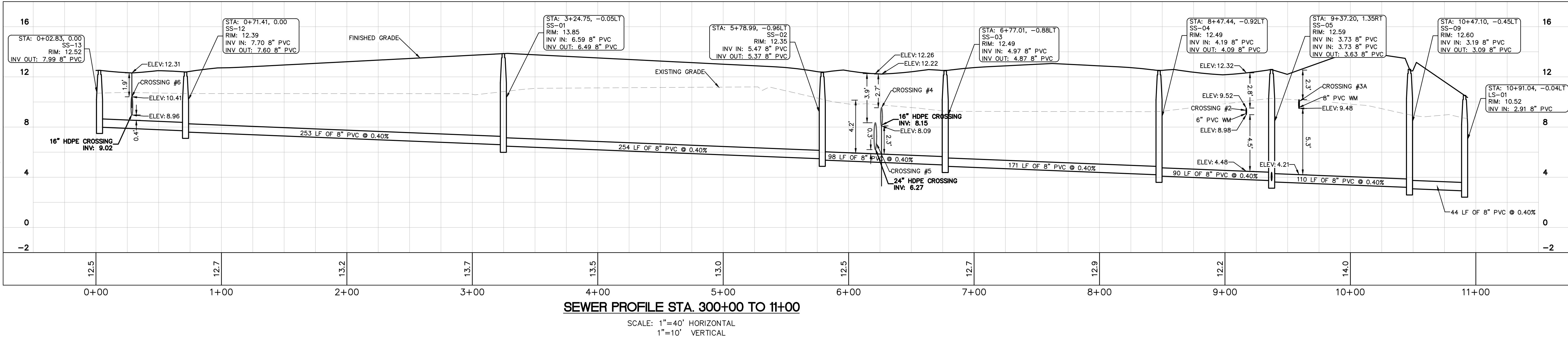
REVISIONS

DATE

BY

Plotted By: Nolon, Kennedy Sheet Set: OLEANDER OAKS Layout: C-301 SANITARY PROFILE August 12, 2021 01:21:58pm K:\VRB_LDEV\14781000 - Oleander Oaks\CAD\plansheets\C-300 UTILITY PLAN.dwg

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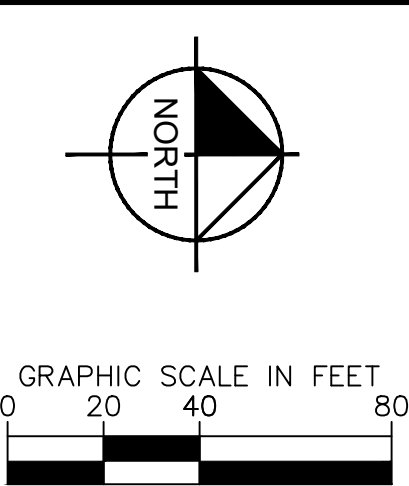
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CALL 48 HOURS BEFORE YOU DIG

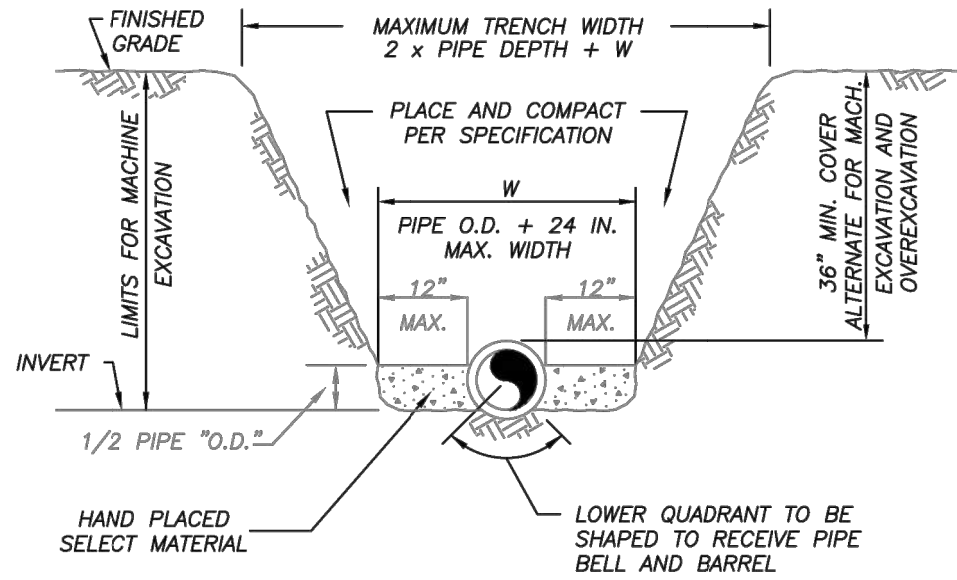
IT'S THE LAW! DIAL 811

Know what's below. Call before you dig.

SUNSHINE STATE ONE CALL OF FLORIDA, INC.



OLEANDER OAKS		PREPARED FOR		ALVA STONE GROUP		CITY OF FORT PIERCE		SHEET NUMBER		C-301	
SANITARY PROFILES		KHA PROJECT		14781000		DATE		04/12/2021		SCALE	
		AS SHOWN		DESIGNED BY		BRB		DRAWN BY		TJE	
		CHECKED BY		BRB		ELIANE BERGSTRESSER		FL LICENSE NUMBER		84598	
		Kimley»Horn		© 2021 KIMLEY-HORN AND ASSOCIATES, INC.		445 24TH STREET, SUITE 200, VERO BEACH, FL 32960		PHONE: 772-794-4100		WWW.KIMLEY-HORN.COM CA 00000696	
		PER		CITY		COMMENTS		07-29-21		TJE	
		No.		REVISIONS		DATE		BY			

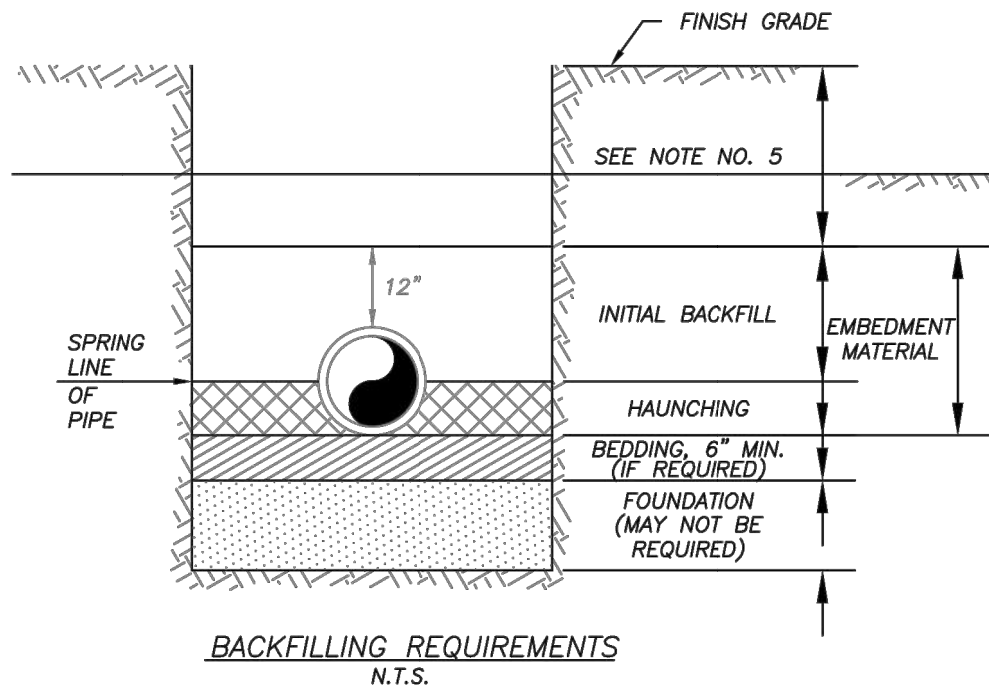


NOTES:

- 1) THE CONTRACTOR SHALL COMPLY WITH REQUIREMENTS OF THE FLORIDA TRENCH SAFETY ACT.
- 2) INITIAL BACKFILL SHALL BE HAND PLACED TO 12" ABOVE THE PIPE. BACKFILL SHALL BE MECHANICALLY TAMPED TO A MINIMUM OF 100% OF MAX. DENSITY AS DETERMINED BY AASHTO METHOD T-99.

TYPICAL TRENCH DETAIL
N.T.S.

TYPICAL TRENCH DETAIL				M-1	
 FPUA COMMUNITY PROUD FT. PIERCE UTILITIES AUTHORITY 1501 SOUTH 15TH STREET FT. PIERCE, FLORIDA 34901 772-485-1800	DESIGNED:	REVISION:	BY: J.C.	WATER/WASTEWATER ENGINEERING	
	DESIGNED:	COMPUTER FILE #	APPD:	FT. PIERCE UTILITIES AUTHORITY	
	SCALE:	DATE:	SHEET	1 OF 1	
	APPROVED:	DATE:	SHEET	1 OF 1	

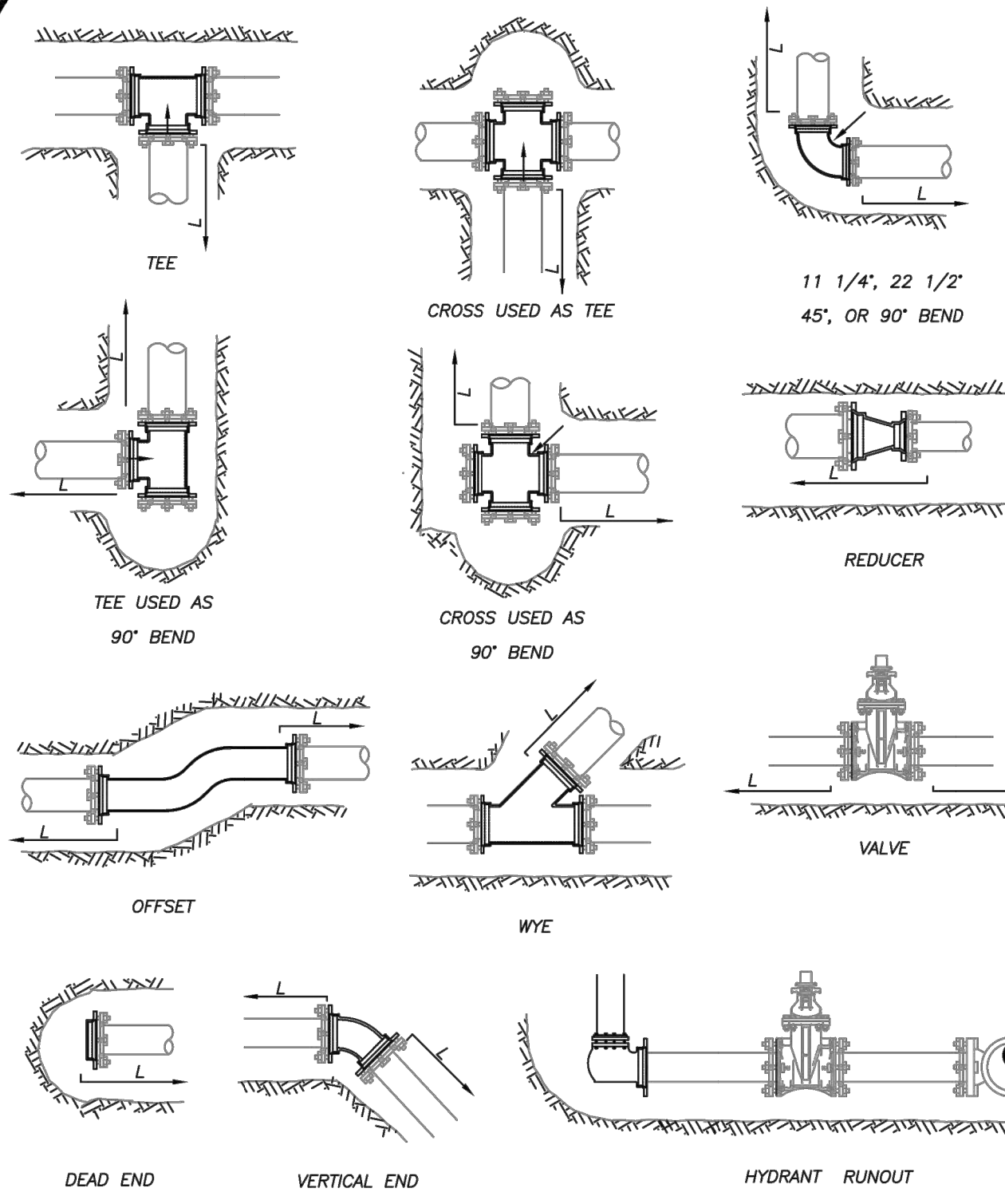


NOTES:

- 1) IN CERTAIN SOIL CONDITIONS A FOUNDATION MAY BE REQUIRED.
- 2) BEDDING IS REQUIRED PRIMARILY TO BRING THE TRENCH BOTTOM UP TO GRADE. BEDDING MATERIALS SHALL PROVIDE A UNIFORM AND ADEQUATE LONGITUDINAL SUPPORT UNDER THE PIPE.
- 3) HAUNCHING MATERIAL SHALL BE HAND PLACED TO THE SPRINGLINE OF THE PIPE. MATERIAL SHALL BE CONSOLIDATED UNDER THE PIPE AND HAND TAMPED TO PROVIDE ADEQUATE SIDE SUPPORT.
- 4) INITIAL BACKFILL MATERIAL SHALL BE HAND PLACED TO 12" ABOVE THE TOP OF PIPE. THE SOIL SHALL BE COMPACTED TO 100% MAX. DENSITY (AASHTO T-99).
- 5) BACKFILL SHALL BE COMPACTED TO 100% OF MAX. DENSITY AS PER AASHTO T-99, TO A POINT 30" BELOW PROPOSED PROFILE GRADE OR EXISTING GRADE. THE FINAL 30" OF BACKFILL SHALL BE COMPACTED TO 98% OF MAX. DENSITY AS PER AASHTO T-100.
- 6) DENSITY TEST SHALL BE PERFORMED AT AREAS DETERMINED BY THE UTILITIES ENGINEER OR PERMIT AGENCY HAVING JURISDICTION, AT THE CONTRACTORS EXPENSE.
- 7) CONTRACTOR TO COMPLY WITH ALL FEDERAL, STATE AND LOCAL TRENCH SAFETY REGULATIONS.

BACKFILLING REQUIREMENTS
N.T.S.

BACKFILLING REQUIREMENTS				M-2	
 FPUA COMMUNITY PROUD FT. PIERCE UTILITIES AUTHORITY 1501 SOUTH 15TH STREET FT. PIERCE, FLORIDA 34901 772-485-1800	DESIGNED:	REVISION:	BY: J.C.	WATER/WASTEWATER ENGINEERING	
	DESIGNED:	COMPUTER FILE #	APPD:	FT. PIERCE UTILITIES AUTHORITY	
	SCALE:	DATE:	SHEET	1 OF 1	
	APPROVED:	DATE:	SHEET	1 OF 1	



MECHANICAL JOINT ANCHORING REQUIREMENTS
N.T.S.

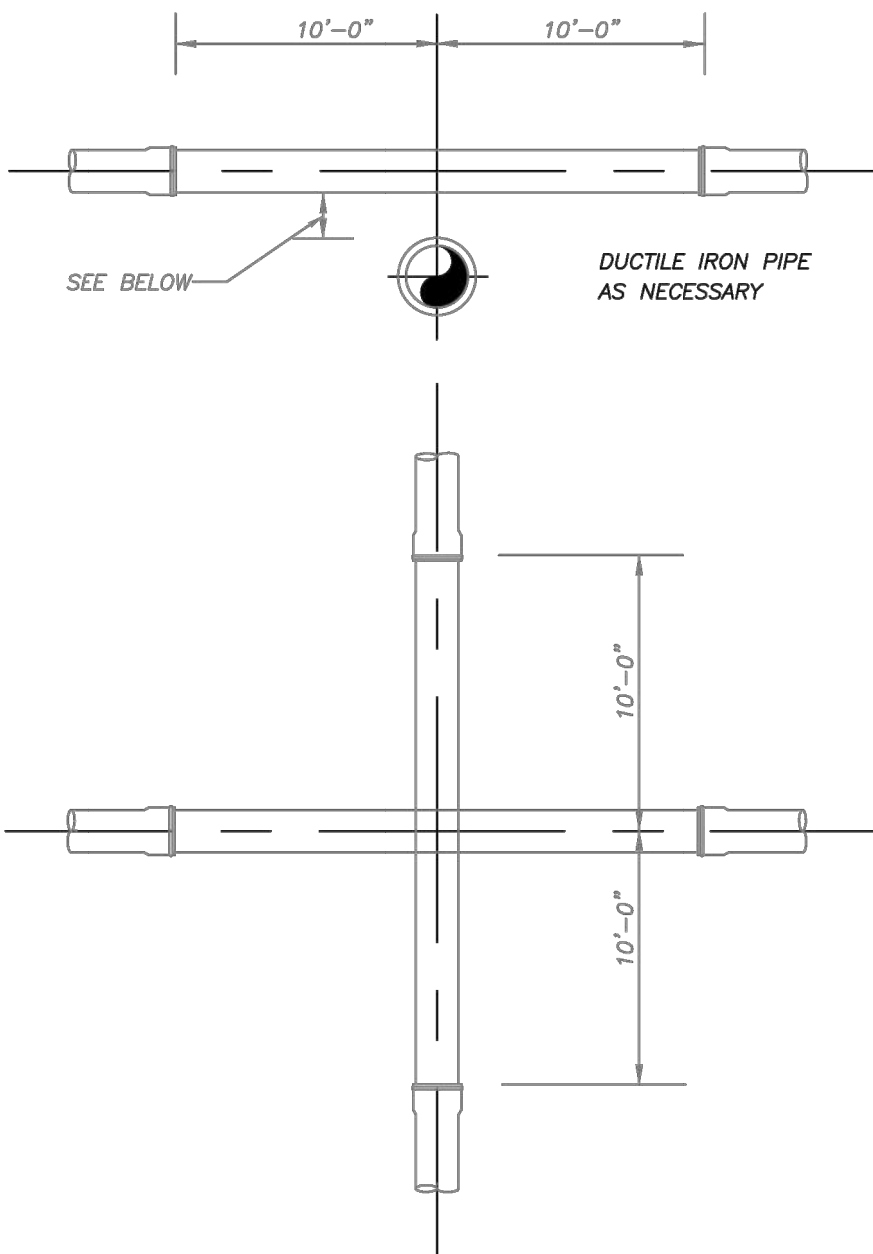
MECHANICAL JOINT ANCHORING REQUIREMENTS				M-3	
 FPUA COMMUNITY PROUD FT. PIERCE UTILITIES AUTHORITY 1501 SOUTH 15TH STREET FT. PIERCE, FLORIDA 34901 772-485-1800	DESIGNED:	REVISION:	BY: J.C.	WATER/WASTEWATER ENGINEERING	
	DESIGNED:	COMPUTER FILE #	APPD:	FT. PIERCE UTILITIES AUTHORITY	
	SCALE:	DATE:	SHEET	1 OF 1	
	APPROVED:	DATE:	SHEET	1 OF 1	

MECHANICAL JOINT RESTRAINT NOTES

NOTES:

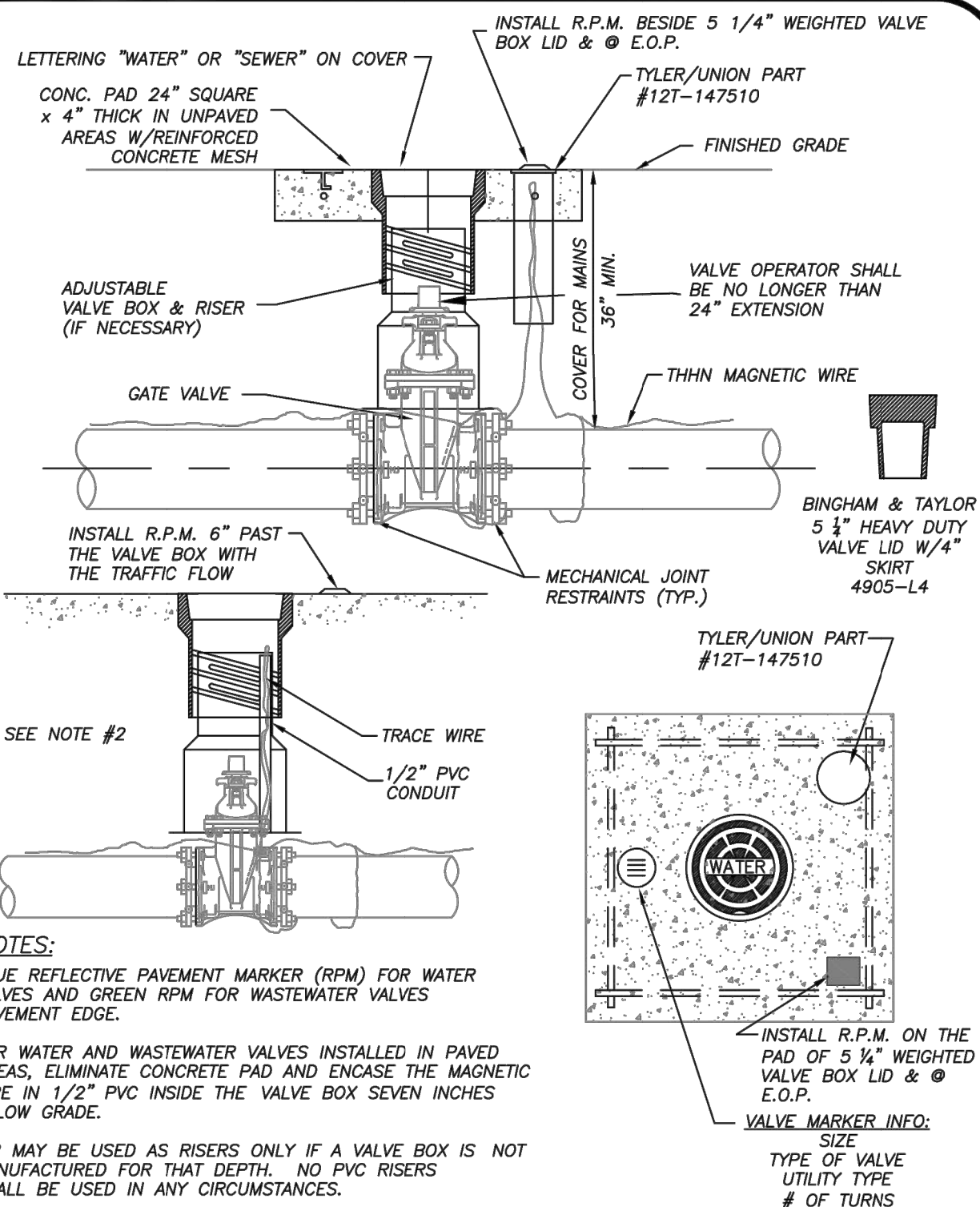
- 1) THE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING THE REQUIRED LENGTH TO BE RESTRAINED BASED UPON THE PROJECT AREA SOIL TYPE, PROPOSED TRENCH CONDITIONS AND DEPTH, PRESSURE OF 150 PSI, AND A SAFETY FACTOR OF TWO (2). A DRAWING OF EVERY TYPICAL FITTING ASSEMBLY WITHIN THE PROJECT SHALL BE SUBMITTED WHICH REFLECTS THE RESTRAINT DETAIL PROPOSED FOR USE, INCLUDING LENGTH OF PIPE RESTRAINT.
- 2) REQUIRED RESTRAINED LENGTH CALCULATIONS SHALL ALSO CONSIDER THE CONDITIONS OF OTHER BENDS OR FITTINGS THAT WILL BE LOCATED WITHIN THE CALCULATED RESTRAINED LENGTH (L) OF THE BEND OR FITTING IN QUESTION.
- 3) EVERY JOINT OR FITTING MUST BE RESTRAINED ON BOTH SIDES OF THE BEND AND FOR TEES ALONG THE BEND ALSO.

MECHANICAL JOINT RESTRAINT NOTES				M-4	
 FPUA COMMUNITY PROUD FT. PIERCE UTILITIES AUTHORITY 1501 SOUTH 15TH STREET FT. PIERCE, FLORIDA 34901 772-485-1800	DESIGNED:	REVISION:	BY: J.C.	WATER/WASTEWATER ENGINEERING	
	DESIGNED:	COMPUTER FILE #	APPD:	FT. PIERCE UTILITIES AUTHORITY	
	SCALE:	DATE:	SHEET	1 OF 1	
	APPROVED:	DATE:	SHEET	1 OF 1	



UTILITY CROSSING DETAIL
N.T.S.

UTILITY CROSSING DETAIL				M-5	
 FPUA COMMUNITY PROUD FT. PIERCE UTILITIES AUTHORITY 1501 SOUTH 15TH STREET FT. PIERCE, FLORIDA 34901 772-485-1800	DESIGNED:	REVISION:	BY: J.C.	WATER/WASTEWATER ENGINEERING	
	DESIGNED:	COMPUTER FILE #	APPD:	FT. PIERCE UTILITIES AUTHORITY	
	SCALE:	DATE:	SHEET	1 OF 1	
	APPROVED:	DATE:	SHEET	1 OF 1	



TYPICAL GATE VALVE & VALVE BOX DETAIL
N.T.S.

TYPICAL GATE VALVE & VALVE BOX DETAIL				M-6	
 FPUA COMMUNITY PROUD FT. PIERCE UTILITIES AUTHORITY 1501 SOUTH 15TH STREET FT. PIERCE, FLORIDA 34901 772-485-1800	DESIGNED:	REVISION:	BY: J.C.	WATER/WASTEWATER ENGINEERING	
	DESIGNED:	COMPUTER FILE #	APPD:	FT. PIERCE UTILITIES AUTHORITY	
	SCALE:	DATE:	SHEET	1 OF 1	
	APPROVED:	DATE:	SHEET	1 OF 1	

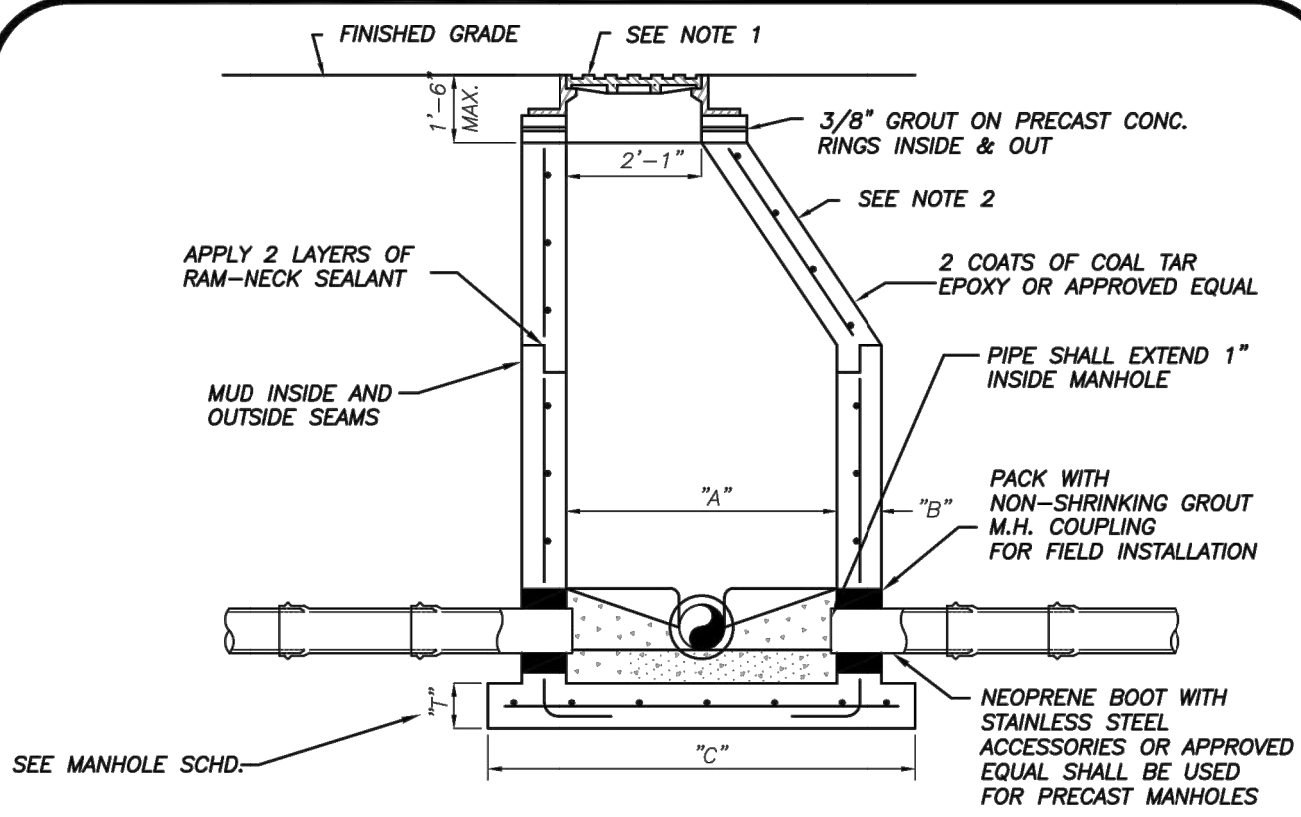
THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.

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Know what's below. Call before you dig.

SUNSHINE STATE ONE CALL OF FLORIDA, INC.



PIPE DIA.	"A"	"B"	"C"	BOT. SLAB	"T"
8"-24"	4'-0"	78"	76"	8"	
30"-36"	5'-0"	78"	88"	10"	
42"-48"	6'-0"	78"	100"	12"	

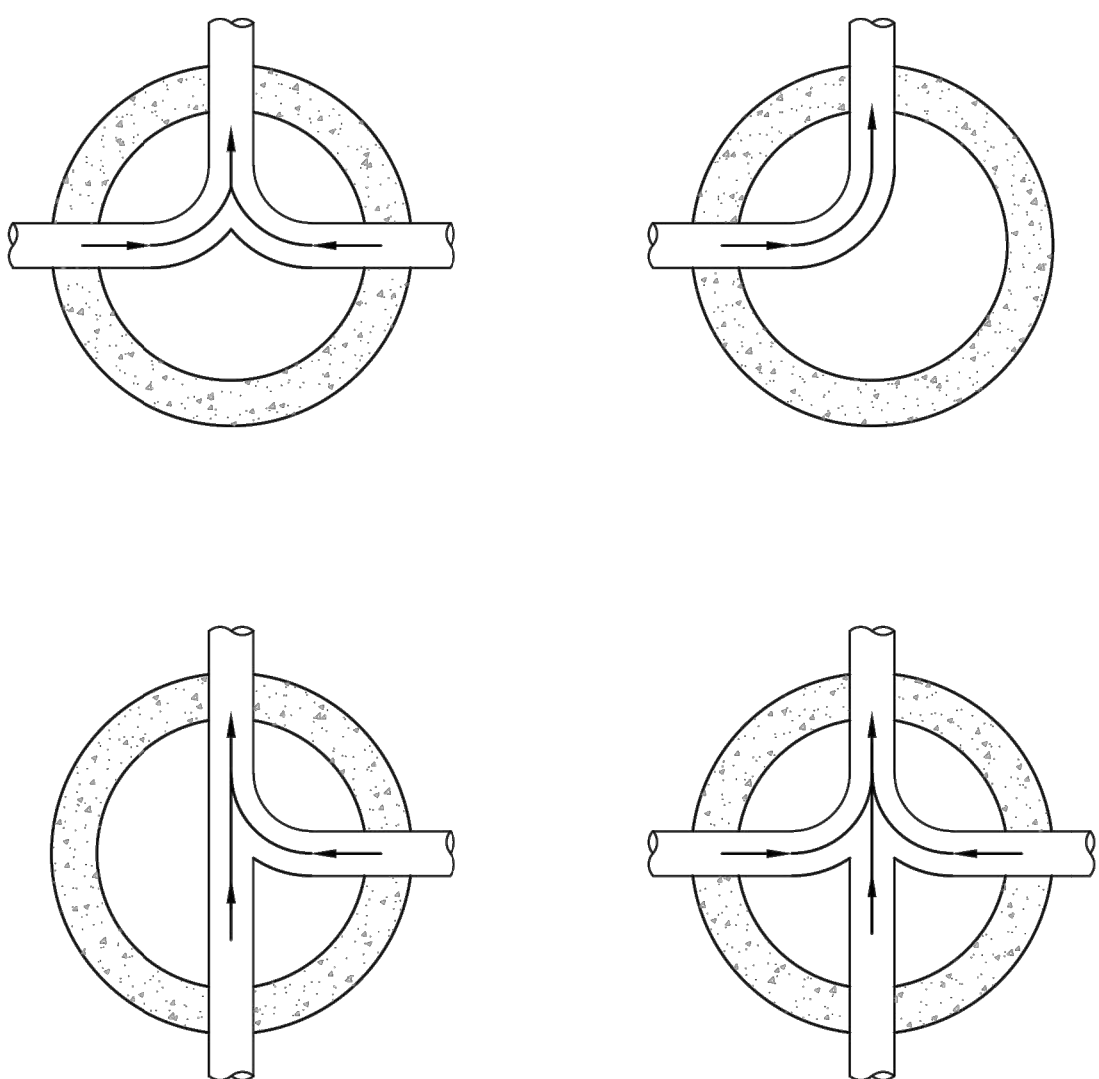
TYPICAL MANHOLE DIMENSIONS

NOTES:

- MANHOLE FRAME & COVER WITH THE WORDS " SANITARY SEWER" CAST IN THE COVER. U.S. FOUNDRY 170 OR APPROVED EQUAL.
- ALL CONCRETE MANHOLES TO BE 4000 P.S.I. TO MEET OR EXCEED ASTM C478 ALL CEMENT TO BE TYPE II ACID RESISTANT. REINFORCING AREA OF 0.02 SQ. IN./FT FOR WALL SECTION MIN. TO MEET OR EXCEED ASTM A 185.
- A MAXIMUM OF 2 LAYERS OF PRECAST CONCRETE RINGS, IF REQUIRED.
- RAIN GUARDS SHALL BE INSTALLED IN MANHOLES THAT HAVE GRAVITY MAINS 12" OR LESS.

STANDARD MANHOLE
DEPTH 5'-0" AND GREATER
(N.T.S.)

	PRECAST MANHOLE DEPTH				S-7	
	5'- 0" & GREATER				WATER/WASTEWATER ENGINEERING	
	DATE: 02-08	REVISION:	BY:	APPD:		
	DESIGNED: J.C.	COMPUTER FILE #	BY:	APPD:		
	DRAWN BY: J.C.	SCALE: N.T.S.	DATE: 2010	SHEET 1 OF 1	FT. PIERCE UTILITIES AUTHORITY	



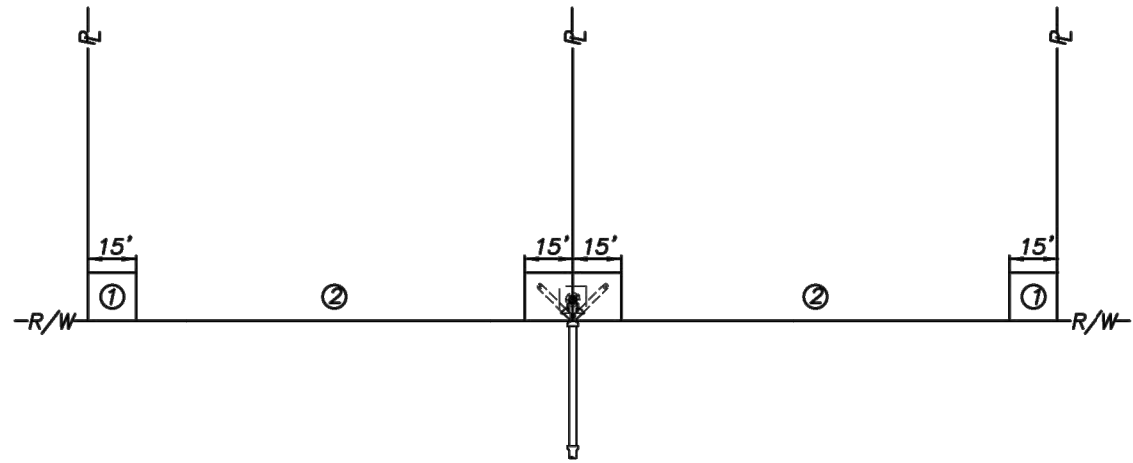
NOTES:

- INVERT CHANNELS TO BE CONSTRUCTED FOR SMOOTH FLOW WITH NO OBSTRUCTIONS.
- SPILLWAYS SHALL BE CONSTRUCTED BETWEEN PIPES WITH DIFFERENT INVERT ELEVATIONS PROVIDING FOR SMOOTH FLOWS.

	FLOW PATTERNS				S-12	
	FOR INVERT CHANNELS				WATER/WASTEWATER ENGINEERING	
	DATE: 10-08	REVISION:	BY:	APPD:		
	DESIGNED: J.C.	COMPUTER FILE #	BY:	APPD:		
	DRAWN BY: J.C.	SCALE: N.T.S.	DATE: 2010	SHEET 1 OF 1	FT. PIERCE UTILITIES AUTHORITY	

GENERAL POLICY

WHERE COST JUSTIFIED AND OPERATIONALLY FEASIBLE, IT IS THE GENERAL POLICY OF THE F.P.U.A. TO PROVIDE WATER, ELECTRIC, SEWER AND GAS SERVICE FROM THE STREET SIDE OF A PIECE OF PROPERTY. DEPENDING ON FACTORS SUCH AS LOCATION OF EXISTING SUPPLY SOURCE FACILITIES, REAR OR SIDE LOT LINE SUPPLY MAY BE AUTHORIZED, BUT ONLY WITH PRIOR APPROVAL FROM THE F.P.U.A.

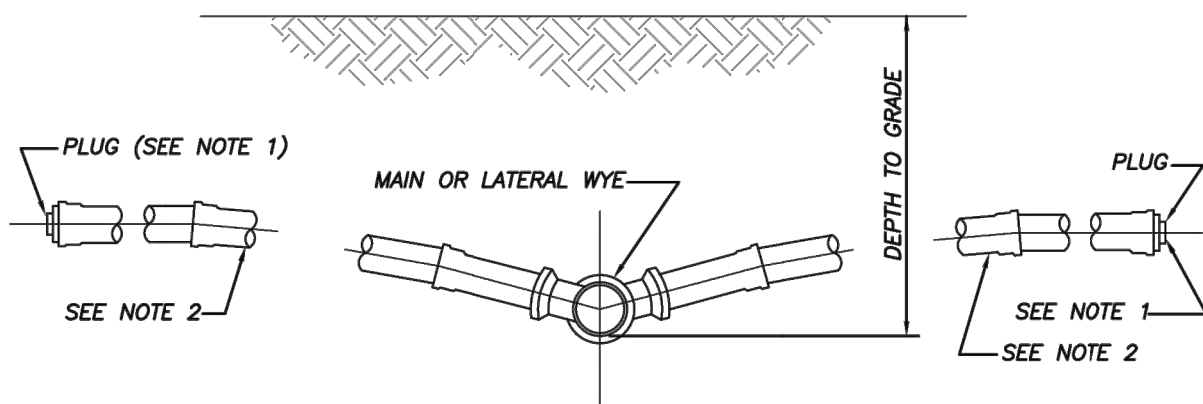


NOTES:

- THE PREFERRED POINT OF CONNECTION TO THE F.P.U.A. SEWER LATERAL, AREA ①, SHALL BE LOCATED IN THE CORNER OF THE PROPERTY SELECTED BY THE F.P.U.A. AS THE BEST LOCATION FOR THE LATERAL. EVERY EFFORT WILL BE MADE TO SELECT THE CORNER WHERE TWO LATERALS CAN BE CONNECTED IN A "Y" CONFIGURATION AS SHOWN.
- IF PHYSICAL BARRIERS OR OTHER OBSTACLES PREVENT THE CONNECTION OF THE BUILDING SERVICE LINE TO THE F.P.U.A. SEWER LATERAL, WITHIN AREA ①, THE F.P.U.A. ENGINEERING DEPARTMENT MAY AUTHORIZE THE CONNECTION ALONG THE PORTION OF THE R/W LINE MARKED AREA ②.
- HORIZONTAL SEPARATION OF WATER AND WASTEWATER SERVICES SHOULD BE A MINIMUM OF SIX FEET AND PREFERABLY TO FEET.
- THE WASTEWATER LATERAL SHALL BE LOCATED WITHIN RIGHT-OF-WAY AND TERMINATE AT THE PROPERTY LINE.
- THE F.P.U.A. SHALL BE RESPONSIBLE FOR THE MAINTENANCE AND REPAIR OF THE WASTEWATER LATERAL WITHIN THE EASEMENT OR RIGHT-OF-WAY, UP TO THE POINT OF CONNECTION.

WASTEWATER SERVICE PLACEMENT
(N.T.S.)

	WASTEWATER SERVICE				S-1	
	PLACEMENT POLICY				WATER/WASTEWATER ENGINEERING	
	DATE: 02-08	REVISION:	BY:	APPD:		
	DESIGNED: J.C.	COMPUTER FILE #	BY:	APPD:		
	DRAWN BY: J.C.	SCALE: N.T.S.	DATE: 2010	SHEET 1 OF 1	FT. PIERCE UTILITIES AUTHORITY	

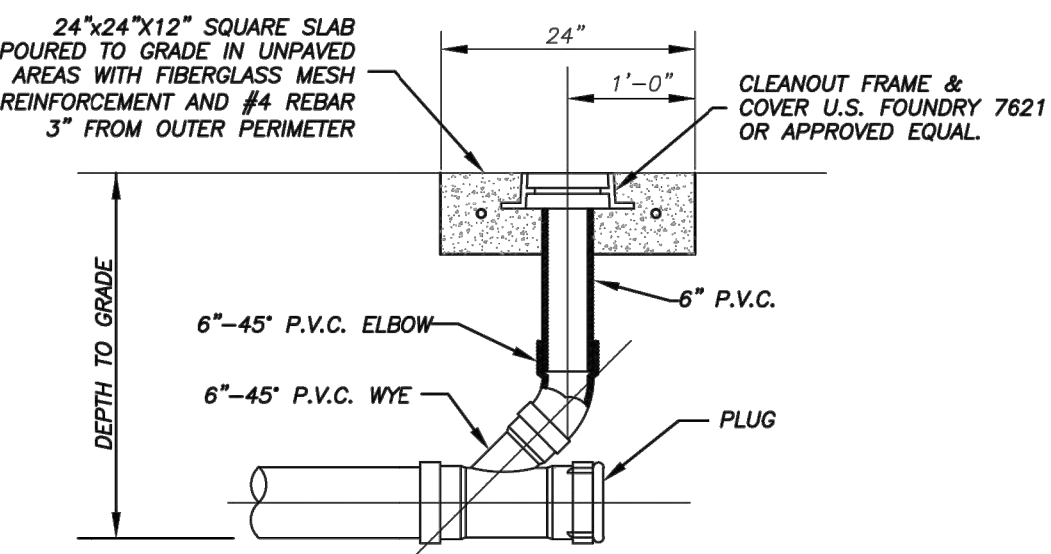


NOTES:

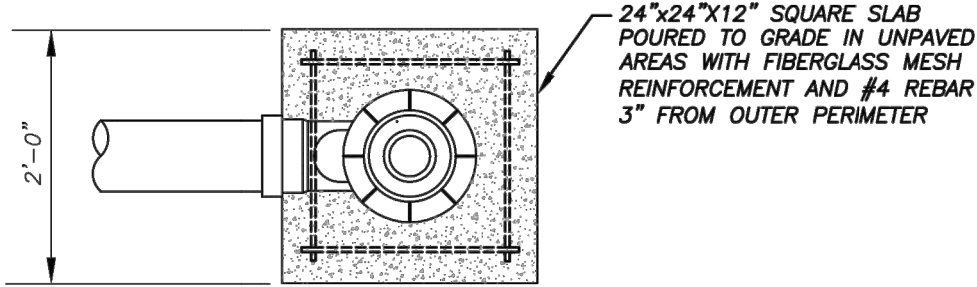
- BALL TYPE WASTEWATER LOCATOR BY 3M CORP. OR APPROVED EQUAL.
- MINIMUM SLOPE OF 1/8" PER FOOT, USE GREATER SLOPE WHERE POSSIBLE.
- SERVICE LATERAL SHALL TERMINATE WITH A CLEANOUT.
- INSTALL CLEANOUT AT THE PROPERTY LINE. REFER TO DETAIL S-1 FOR SPECIFIC PROPERTY LAYOUT.

SERVICE CONNECTION
(N.T.S.)

	SERVICE CONNECTION				S-2	
	WASTEWATER				WATER/WASTEWATER ENGINEERING	
	DATE: 02-08	REVISION:	BY:	APPD:		
	DESIGNED: J.C.	COMPUTER FILE #	BY:	APPD:		
	DRAWN BY: J.C.	SCALE: N.T.S.	DATE: 2010	SHEET 1 OF 1	FT. PIERCE UTILITIES AUTHORITY	



SECTION



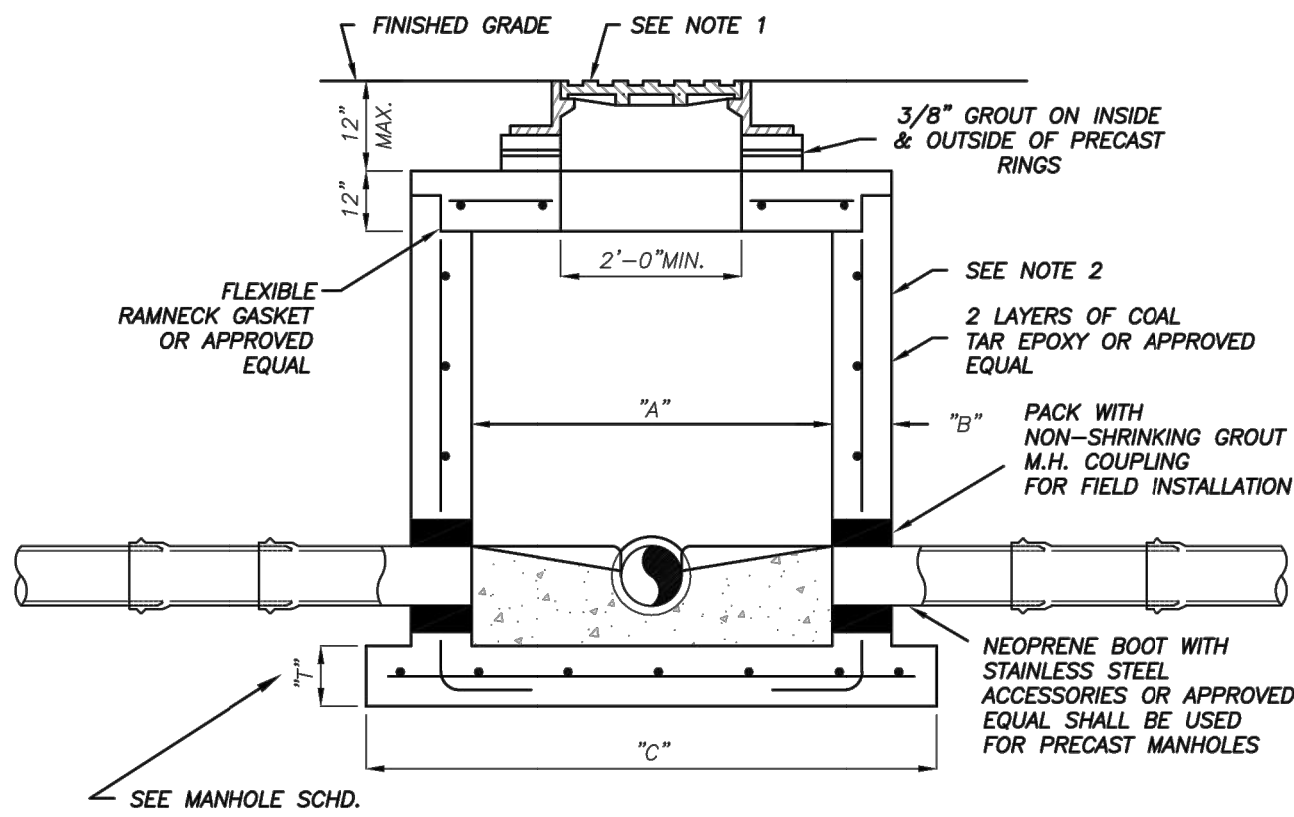
PLAN

NOTES:

- SEE DETAIL S-3 FOR DOUBLE SERVICE CONNECTION.

RESIDENTIAL CLEANOUT DETAIL
(N.T.S.)

	TERMINAL CLEANOUT DETAIL				S-4A	
	RESIDENTIAL				WATER/WASTEWATER ENGINEERING	
	DATE: 10-08	REVISION:	BY:	APPD:		
	DESIGNED: J.C.	COMPUTER FILE #	BY:	APPD:		
	DRAWN BY: J.C.	SCALE: N.T.S.	DATE: 2010	SHEET 1 OF 3	FT. PIERCE UTILITIES AUTHORITY	



PIPE DIA.	"A"	"B"	"C"	BOT. SLAB	"T"
8"-24"	4'-0"	78"	76"	8"	
30"-36"	5'-0"	78"	88"	10"	
42"-48"	6'-0"	78"	100"	12"	

TYPICAL MANHOLE DIMENSIONS

NOTES:

- MANHOLE FRAME & COVER WITH THE WORDS " SANITARY SEWER" CAST IN THE COVER. U.S. FOUNDRY 170 OR APPROVED EQUAL.
- ALL CONCRETE MANHOLES TO BE 4000 P.S.I. TO MEET OR EXCEED ASTM C478 ALL CEMENT TO BE TYPE II ACID RESISTANT. REINFORCING AREA OF 0.02 SQ. IN./FT FOR WALL SECTION MIN. TO MEET OR EXCEED ASTM A 185.
- A MAXIMUM OF 2 LAYERS OF PRECAST CONCRETE RINGS, IF REQUIRED.
- RAIN GUARDS SHALL BE INSTALLED IN MANHOLES THAT HAVE GRAVITY MAINS 12" OR LESS.

SHALLOW MANHOLE
DEPTH OF LESS THAN 5'-0"
(N.T.S.)

	PRECAST MANHOLE DEPTH OF				S-6	
	LESS THAN 5'- 0"				WATER/WASTEWATER ENGINEERING	
	DATE: 02-08	REVISION:	BY:	APPD:		
	DESIGNED: J.C.	COMPUTER FILE #	BY:	APPD:		
	DRAWN BY: J.C.	SCALE: N.T.S.	DATE: 2010	SHEET 1 OF 1	FT. PIERCE UTILITIES AUTHORITY	

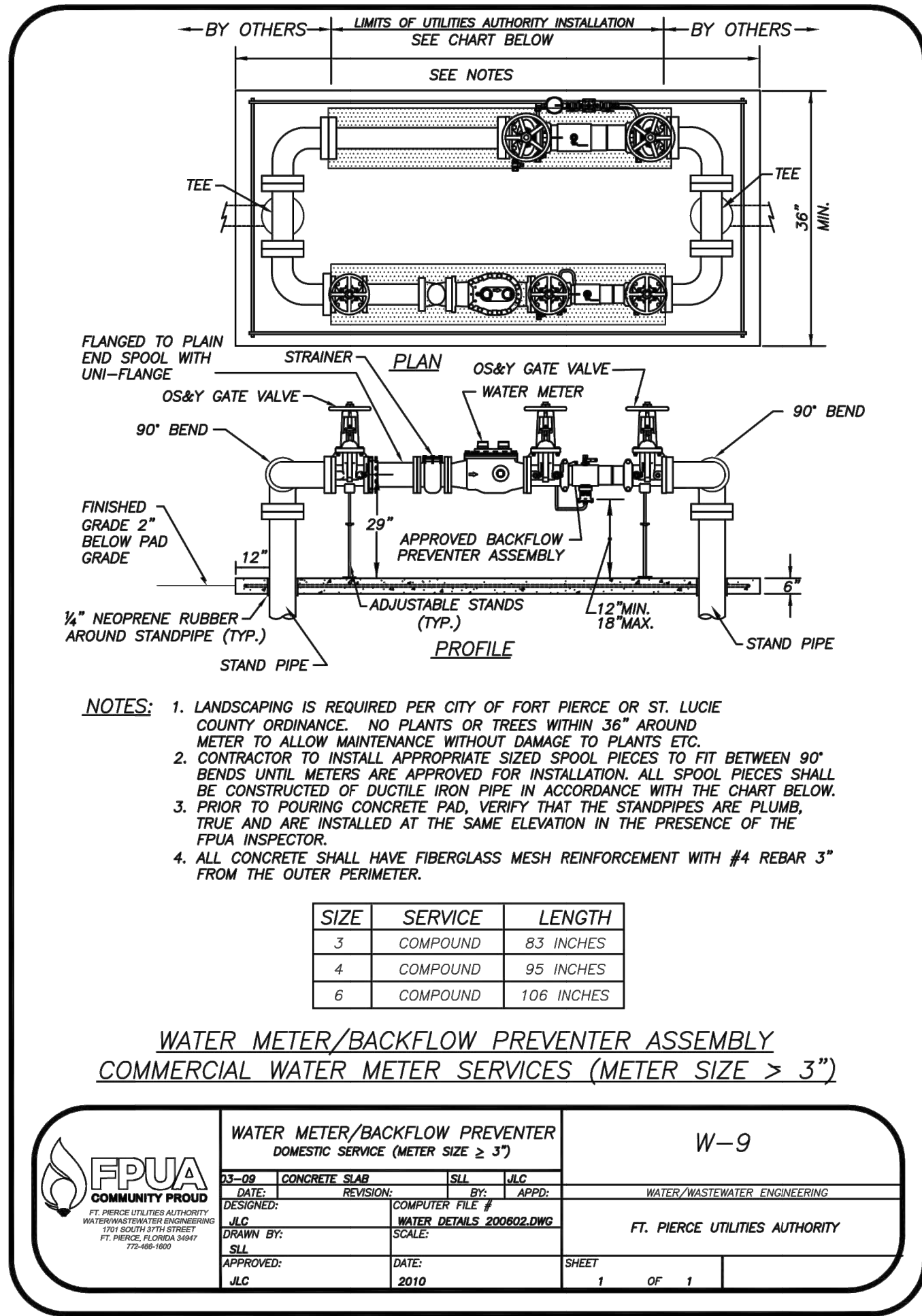
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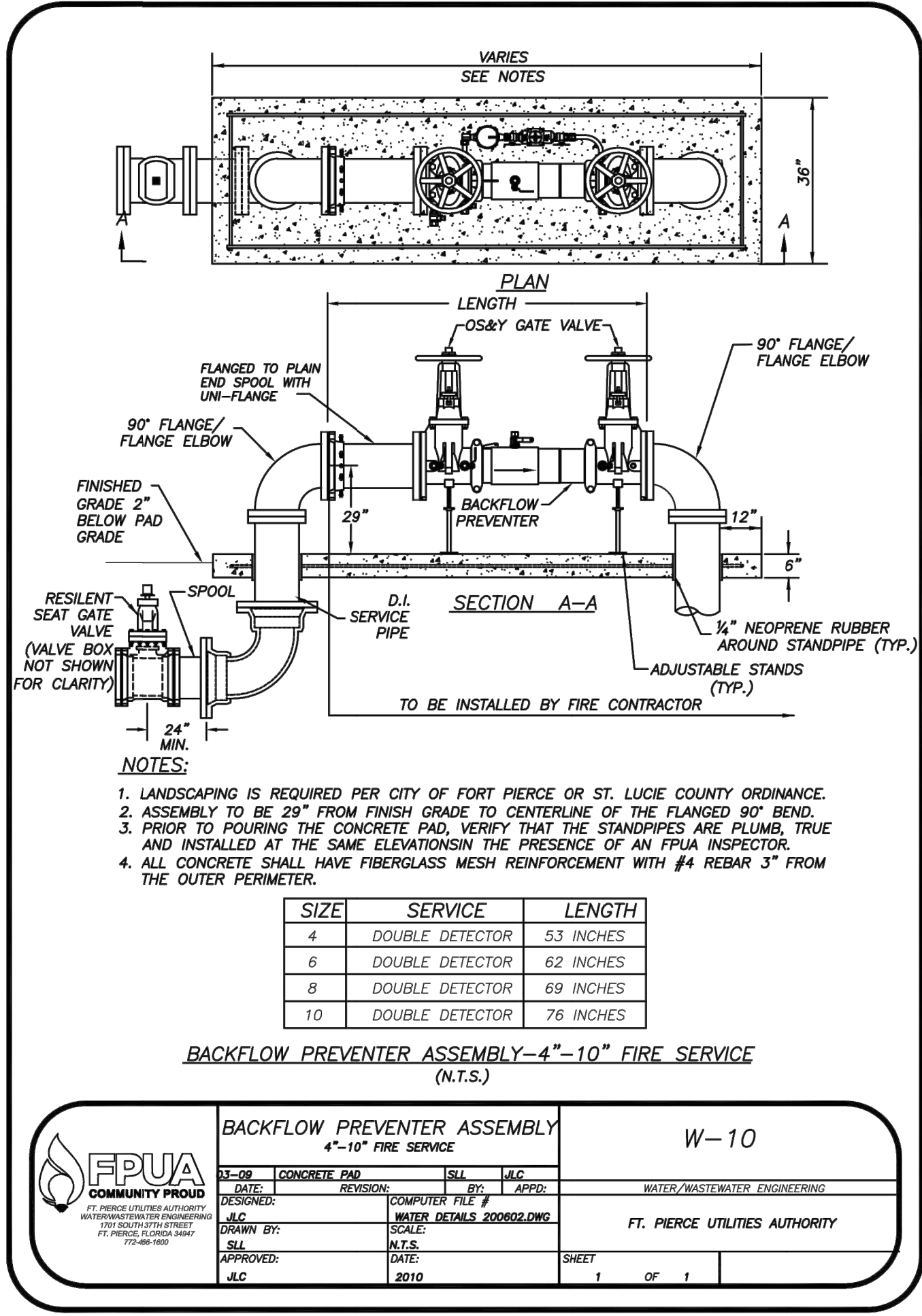


- NOTES:
1. LANDSCAPING IS REQUIRED PER CITY OF FORT PIERCE OR ST. LUCIE COUNTY ORDINANCE. NO PLANTS OR TREES WITHIN 36\"/>

SIZE	SERVICE	LENGTH
3	COMPOUND	83 INCHES
4	COMPOUND	95 INCHES
6	COMPOUND	106 INCHES

WATER METER/BACKFLOW PREVENTER ASSEMBLY
COMMERCIAL WATER METER SERVICES (METER SIZE > 3")

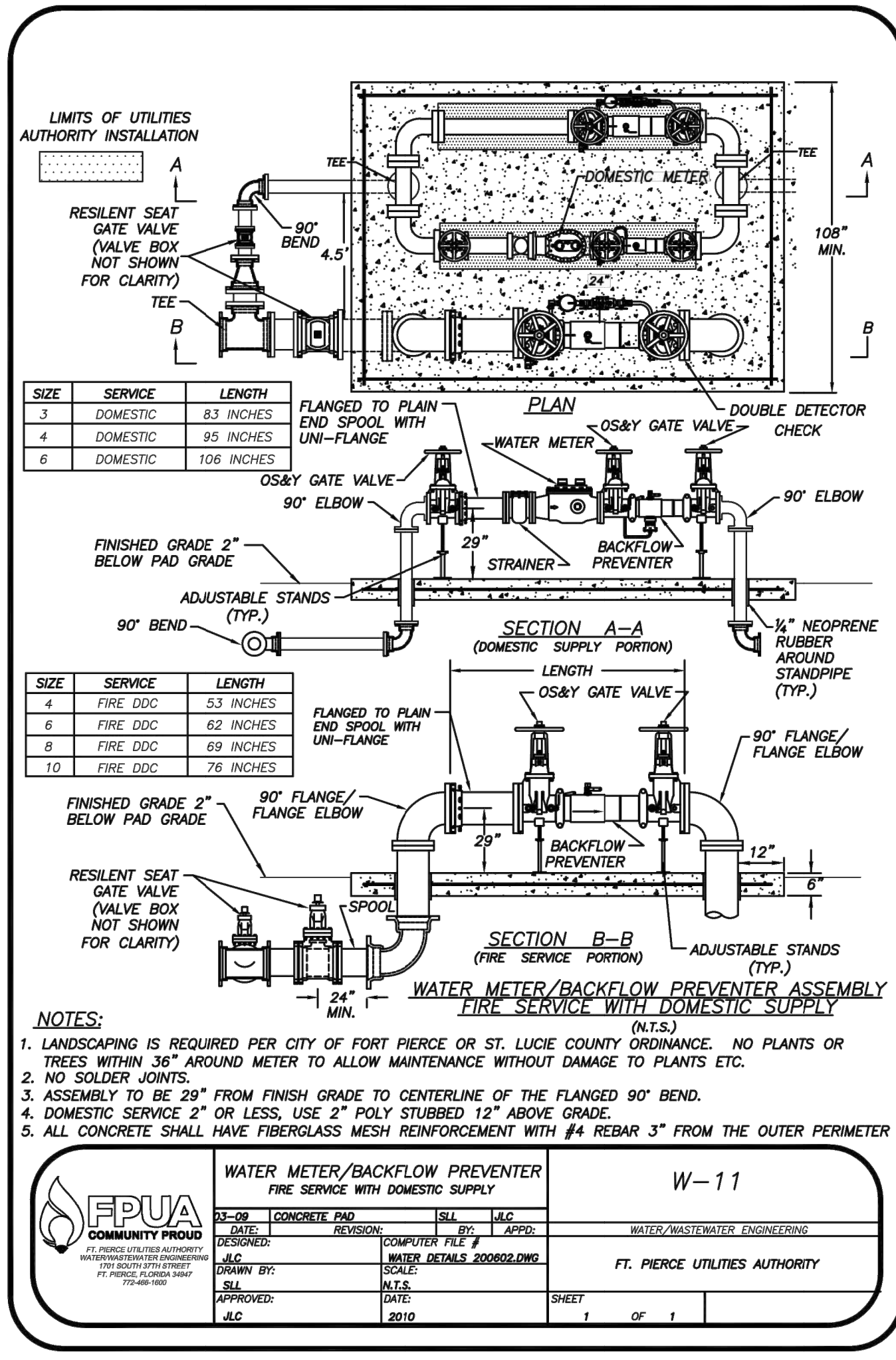
	WATER METER/BACKFLOW PREVENTER DOMESTIC SERVICE (METER SIZE ≥ 3")				W-9	
	DATE: 03-09	REVISION: CONCRETE PAD	BY: JLC	APPROVED: JLC	WATER/WASTEWATER ENGINEERING	
	DESIGNED: JLC	COMPUTER FILE: #	BY: JLC	APPROVED: JLC	FT. PIERCE UTILITIES AUTHORITY	
	SCALE: WATER DETAILS 200602.DWG					
	DATE: 2010					SHEET 1 OF 1



SIZE	SERVICE	LENGTH
4	DOUBLE DETECTOR	53 INCHES
6	DOUBLE DETECTOR	62 INCHES
8	DOUBLE DETECTOR	69 INCHES
10	DOUBLE DETECTOR	76 INCHES

BACKFLOW PREVENTER ASSEMBLY—4"–10" FIRE SERVICE
(N.T.S.)

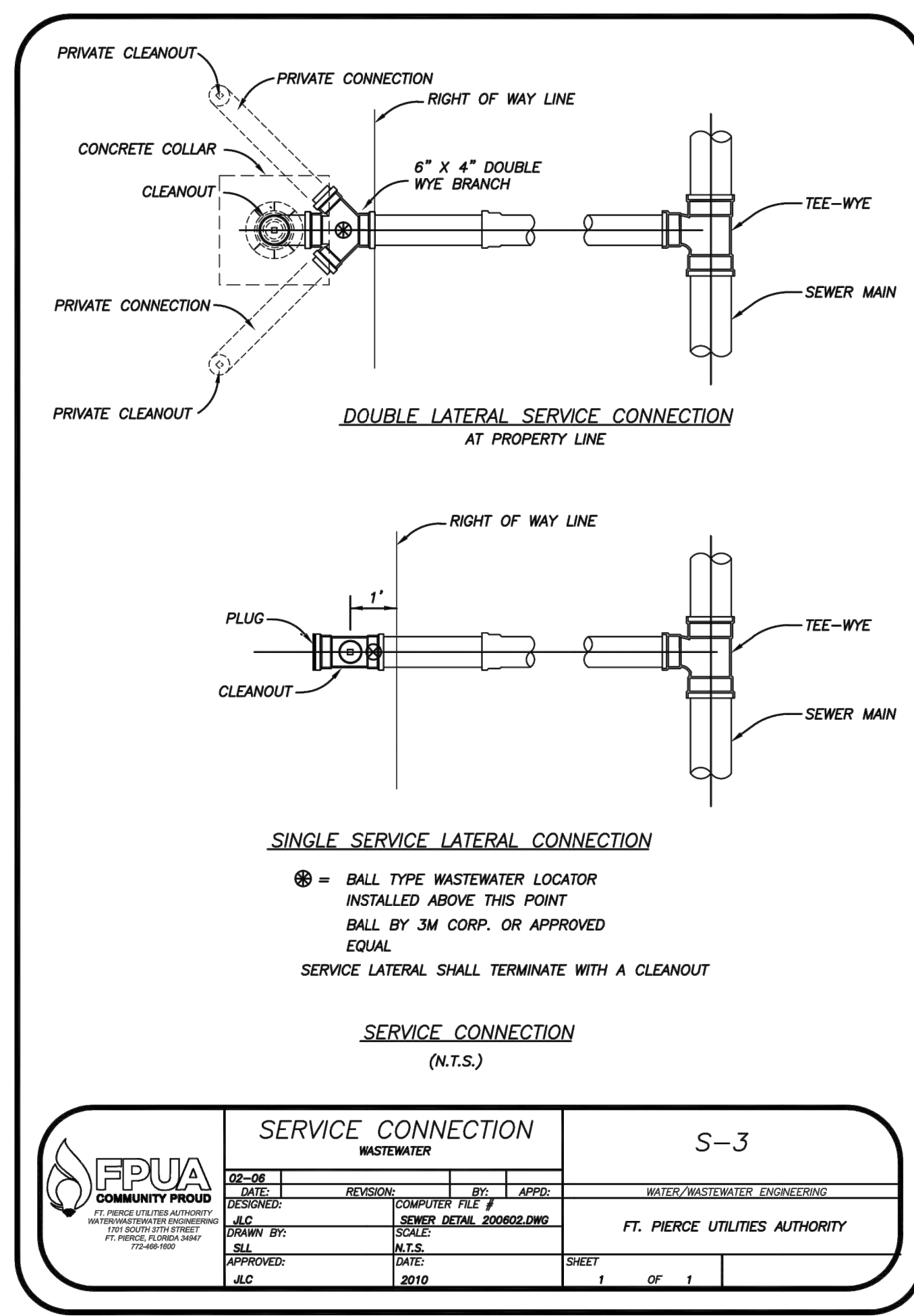
	BACKFLOW PREVENTER ASSEMBLY 4"–10" FIRE SERVICE				W-10	
	DATE: 03-09	REVISION: CONCRETE PAD	BY: JLC	APPROVED: JLC	WATER/WASTEWATER ENGINEERING	
	DESIGNED: JLC	COMPUTER FILE: #	BY: JLC	APPROVED: JLC	FT. PIERCE UTILITIES AUTHORITY	
	SCALE: WATER DETAILS 200602.DWG					
	DATE: 2010					SHEET 1 OF 1



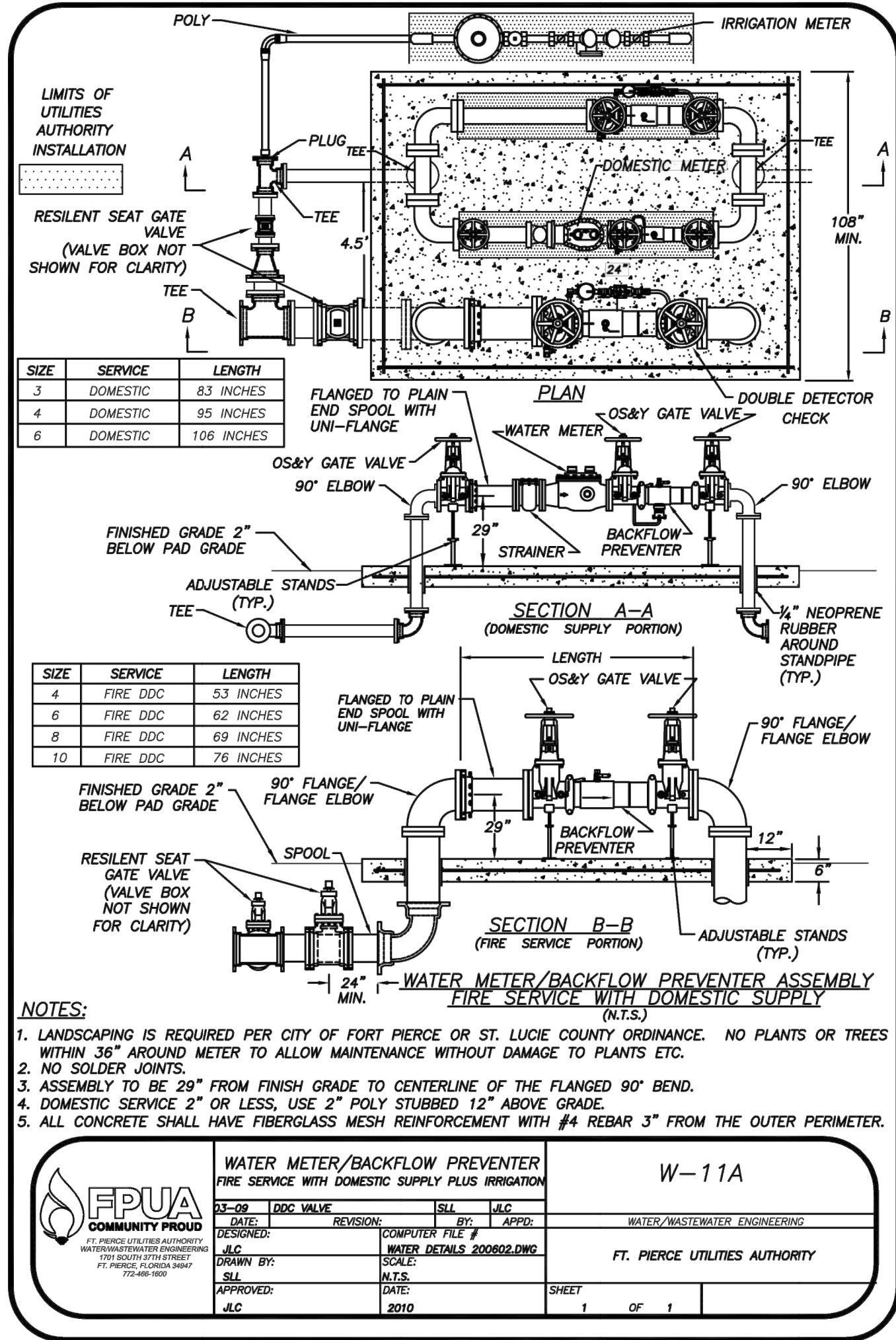
SIZE	SERVICE	LENGTH
4	FIRE DDC	53 INCHES
6	FIRE DDC	62 INCHES
8	FIRE DDC	69 INCHES
10	FIRE DDC	76 INCHES

- NOTES:
1. LANDSCAPING IS REQUIRED PER CITY OF FORT PIERCE OR ST. LUCIE COUNTY ORDINANCE. NO PLANTS OR TREES WITHIN 36\"/>

	WATER METER/BACKFLOW PREVENTER FIRE SERVICE WITH DOMESTIC SUPPLY				W-11	
	DATE: 03-09	REVISION: CONCRETE PAD	BY: JLC	APPROVED: JLC	WATER/WASTEWATER ENGINEERING	
	DESIGNED: JLC	COMPUTER FILE: #	BY: JLC	APPROVED: JLC	FT. PIERCE UTILITIES AUTHORITY	
	SCALE: WATER DETAILS 200602.DWG					
	DATE: 2010					SHEET 1 OF 1



	SERVICE CONNECTION WASTEWATER				S-3	
	DATE: 03-09	REVISION: CONCRETE PAD	BY: JLC	APPROVED: JLC	WATER/WASTEWATER ENGINEERING	
	DESIGNED: JLC	COMPUTER FILE: #	BY: JLC	APPROVED: JLC	FT. PIERCE UTILITIES AUTHORITY	
	SCALE: WATER DETAILS 200602.DWG					
	DATE: 2010					SHEET 1 OF 1



SIZE	SERVICE	LENGTH
4	FIRE DDC	53 INCHES
6	FIRE DDC	62 INCHES
8	FIRE DDC	69 INCHES
10	FIRE DDC	76 INCHES

- NOTES:
1. LANDSCAPING IS REQUIRED PER CITY OF FORT PIERCE OR ST. LUCIE COUNTY ORDINANCE. NO PLANTS OR TREES WITHIN 36\"/>

	WATER METER/BACKFLOW PREVENTER FIRE SERVICE WITH DOMESTIC SUPPLY PLUS IRRIGATION				W-11A	
	DATE: 03-09	REVISION: CONCRETE PAD	BY: JLC	APPROVED: JLC	WATER/WASTEWATER ENGINEERING	
	DESIGNED: JLC	COMPUTER FILE: #	BY: JLC	APPROVED: JLC	FT. PIERCE UTILITIES AUTHORITY	
	SCALE: WATER DETAILS 200602.DWG					
	DATE: 2010					SHEET 1 OF 1

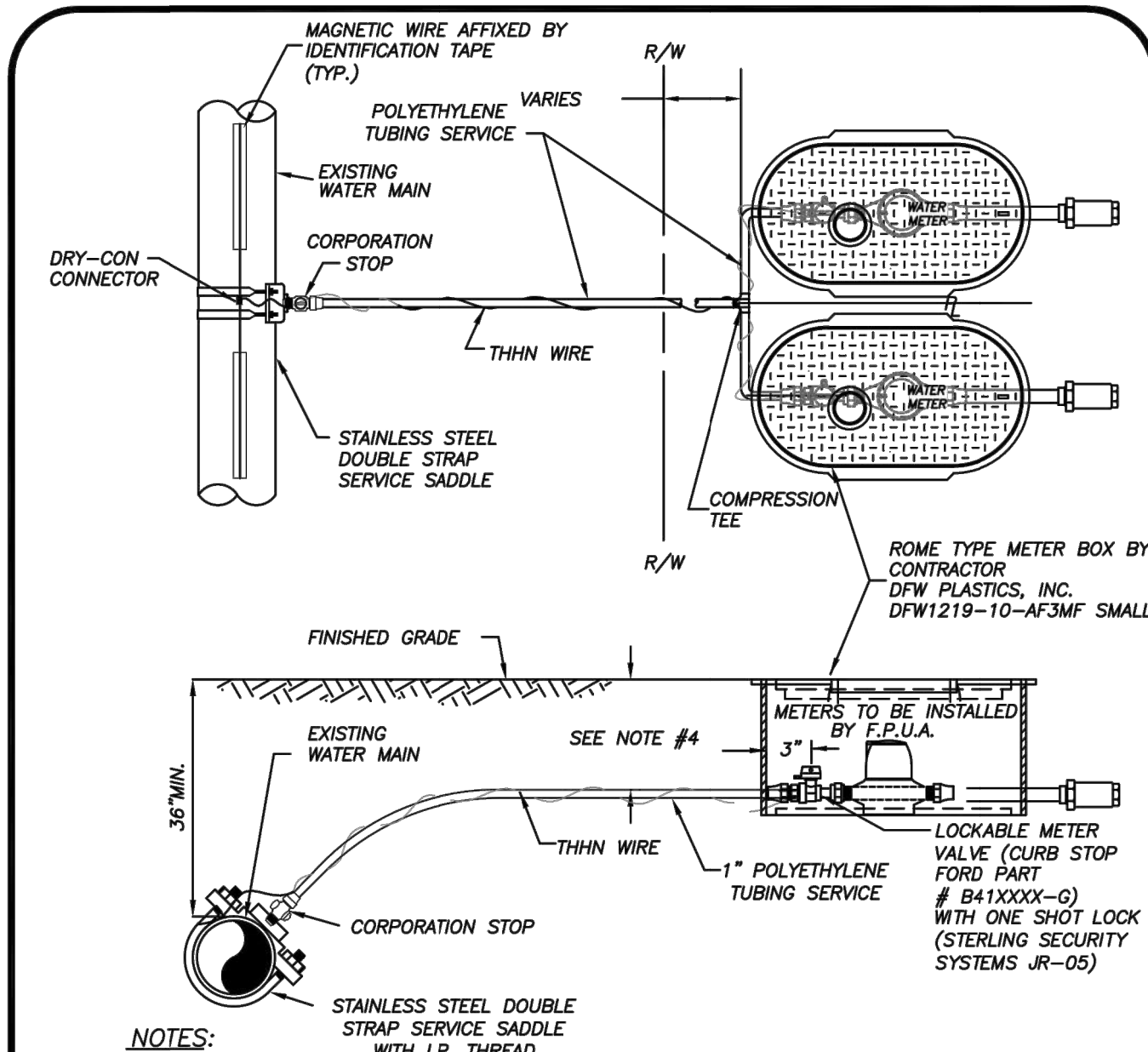
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NOTES:

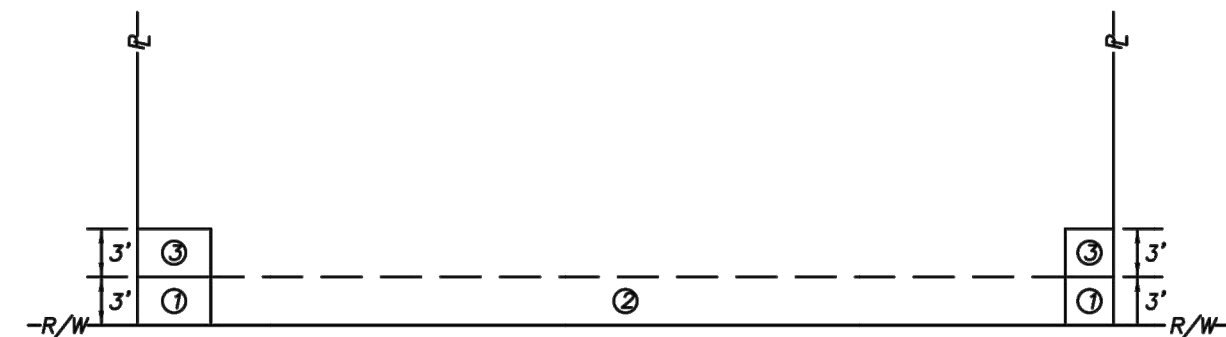
1. BLUE 10 GAUGE THIN WIRE SHALL BE ATTACHED TO THE SERVICE LINE.
2. WHERE SERVICES UNDER PAVEMENT ARE REQUIRED, THE POLYETHYLENE TUBING SHALL BE INSTALLED WITHIN SCHEDULE 40 PVC CASING PIPE.
3. 1" & 3/4" METER SIZES SHALL REQUIRE A LOCKABLE METER VALVE. (CURB STOP)
4. MINIMUM COVER IN UNPAVED AREAS SHALL BE 30", IN PAVED AREAS OR PLANNED ROADWAYS OR SWALES MIN. COVER SHALL BE 36".

TYPICAL DOUBLE WATER SERVICE CONNECTION
(N.T.S.)

 FPUA COMMUNITY PROUD FT. PIERCE UTILITIES AUTHORITY WATER/SEWER/STORMWATER ENGINEERING 100 SOUTH STADIUM STREET FT. PIERCE, FLORIDA 34901 772-465-1800	TYPICAL DOUBLE WATER SERVICE CONNECTION				W-3	
	03-09	DESIGN	REVISION	SJL	JLC	
	DATE	DESIGNED	BY	APPD.	WATER/WASTEWATER ENGINEERING	
	COMPUTER FILE #	WATER DETAILS 200802.DWG				
JLC	SCALE: N.T.S.					FT. PIERCE UTILITIES AUTHORITY
DRAWN BY:	N.T.S.					
SJL	DATE: 2020					SHEET 1 OF 1
APPROVED:	JLC					

GENERAL POLICY

WHERE COST JUSTIFIED AND OPERATIONALLY FEASIBLE, IT IS THE GENERAL POLICY OF THE F.P.U.A. TO PROVIDE WATER, ELECTRIC, SEWER AND GAS SERVICE FROM THE STREET SIDE OF A PIECE OF PROPERTY, DEPENDING ON FACTORS SUCH AS LOCATION OF EXISTING SUPPLY SOURCE FACILITIES, REAR OR SIDE LOT LINE SUPPLY MAY BE AUTHORIZED, BUT ONLY WITH PRIOR APPROVAL FROM THE F.P.U.A.

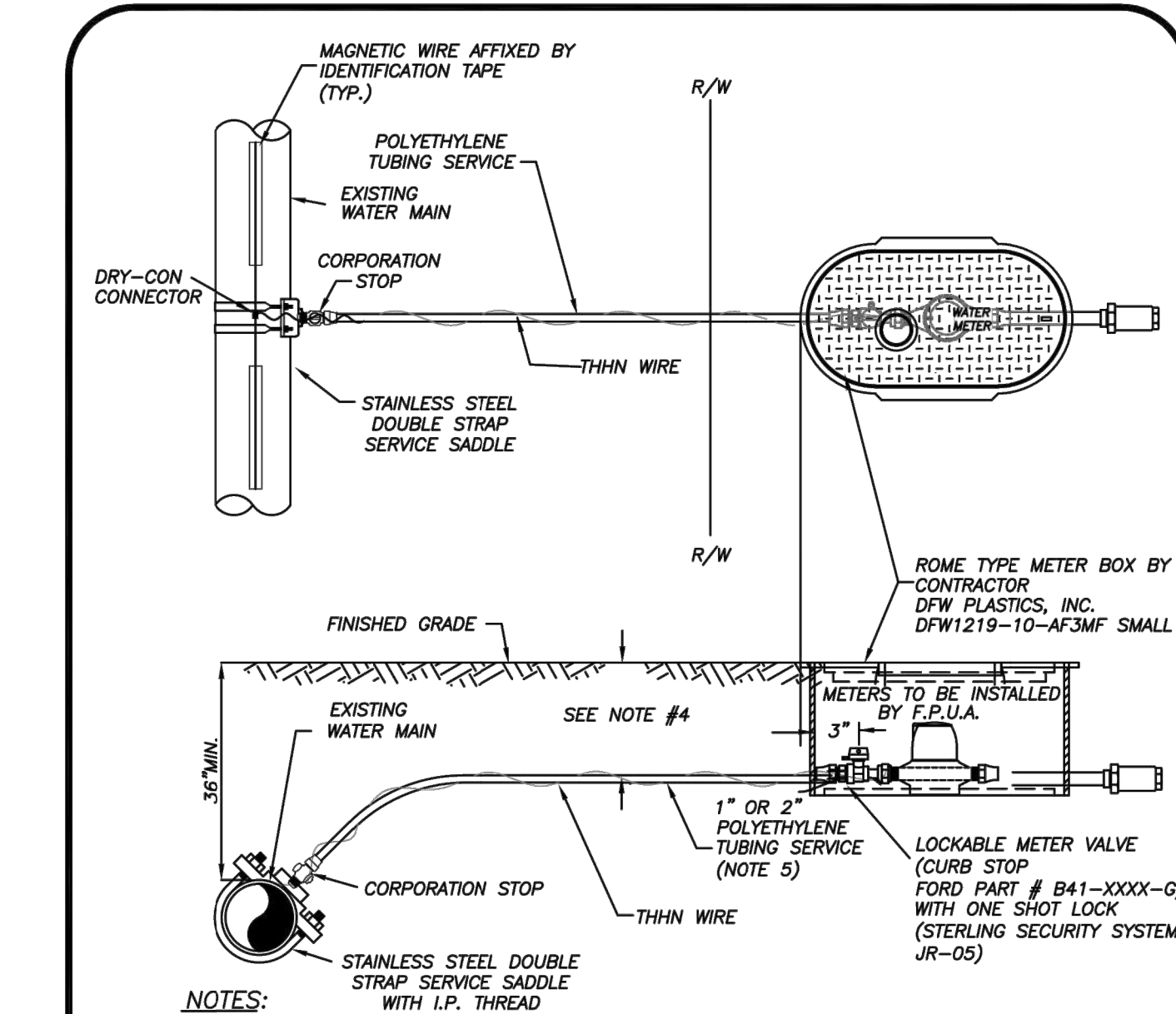


NOTES:

1. THE PREFERRED POINT OF CONNECTION TO THE F.P.U.A. WATER METER, AREA ① SHALL BE LOCATED IN THE CORNER OF THE PROPERTY SELECTED BY THE F.P.U.A. AS THE BEST LOCATION FOR THE WATER METER. EVERY EFFORT WILL BE MADE TO SELECT THE CORNER WHERE TWO WATER SERVICES AND METERS CAN BE CONNECTED.
2. IF PHYSICAL BARRIERS OR OTHER OBSTACLES PREVENT THE CONNECTION OF THE BUILDING SERVICE LINE TO THE F.P.U.A. WATER SERVICE, WITHIN AREA ①, THE F.P.U.A. ENGINEERING DEPARTMENT MAY AUTHORIZE THE CONNECTION ALONG THE PORTION OF THE R/W LINE MARKED AREA ②, OR ALONG THE PROPERTY LINES MARKED AREA ③.
3. HORIZONTAL SEPARATION OF WATER AND WASTEWATER SERVICES SHOULD BE A MINIMUM OF 6 FEET AND PREFERABLY 10 FEET.
4. ALL METERS SHALL BE INSTALLED IN AN UNRESTRICTED AREA FOLLOWING EASE OF ACCESS AND PROVIDING ADEQUATE PROTECTION.
5. THE F.P.U.A. SHALL BE RESPONSIBLE FOR THE MAINTENANCE AND REPAIR OF THE WATER LATERAL WITHIN THE EASEMENT OR RIGHT-OF-WAY, UP TO THE POINT OF CONNECTION.

WATER METER PLACEMENT
(N.T.S.)

 FPUA COMMUNITY PROUD FT. PIERCE UTILITIES AUTHORITY WATER/SEWER/STORMWATER ENGINEERING 100 SOUTH STADIUM STREET FT. PIERCE, FLORIDA 34901 772-465-1800	WATER METER PLACEMENT POLICY				W-1	
	03-09	DESIGN	REVISION	SJL	JLC	
	DATE	DESIGNED	BY	APPD.	WATER/WASTEWATER ENGINEERING	
	COMPUTER FILE #	WATER DETAILS 200802.DWG				
JLC	SCALE: N.T.S.					FT. PIERCE UTILITIES AUTHORITY
DRAWN BY:	N.T.S.					
SJL	DATE: 2020					SHEET 1 OF 1
APPROVED:	JLC					

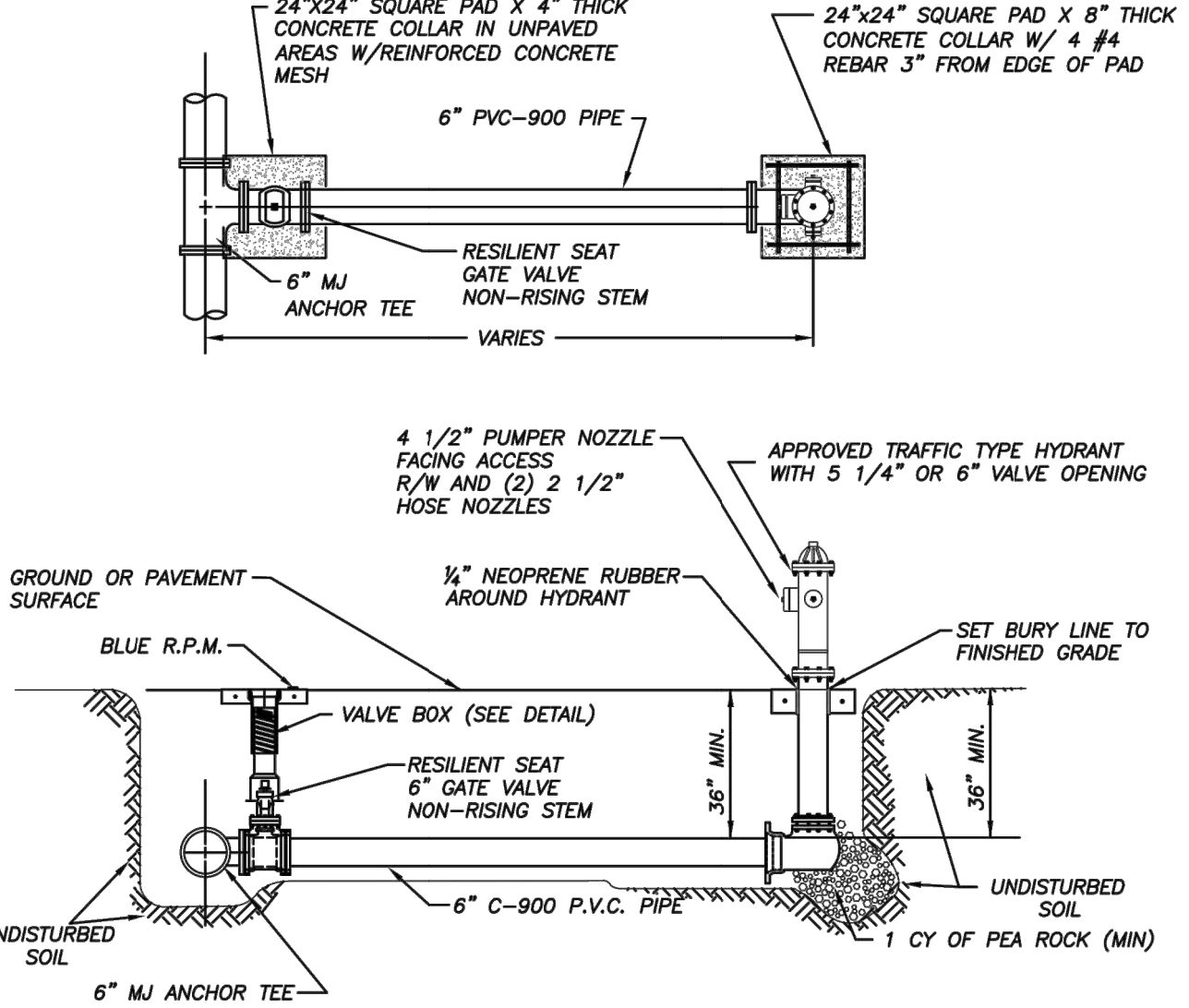


NOTES:

1. BLUE 10 GAUGE THIN WIRE SHALL BE ATTACHED TO THE SERVICE LINE.
2. WHERE SERVICES UNDER PAVEMENT ARE REQUIRED, THE POLYETHYLENE TUBING SHALL BE INSTALLED WITHIN SCHEDULE 40 PVC CASING PIPE.
3. 1" & 3/4" METER SIZES SHALL REQUIRE A LOCKABLE METER VALVE. (CURB STOP)
4. MINIMUM COVER IN UNPAVED AREAS SHALL BE 30", IN PAVED AREAS OR PLANNED ROADWAYS OR SWALES MIN. COVER SHALL BE 36".
5. FOR 2" COMMERCIAL SERVICE INSTALLATIONS, FPUA WILL INSTALL ABOVE GROUND METER PER DETAIL W-8.

TYPICAL SINGLE WATER SERVICE CONNECTION
(N.T.S.)

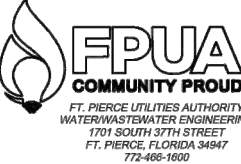
 FPUA COMMUNITY PROUD FT. PIERCE UTILITIES AUTHORITY WATER/SEWER/STORMWATER ENGINEERING 100 SOUTH STADIUM STREET FT. PIERCE, FLORIDA 34901 772-465-1800	TYPICAL SINGLE WATER SERVICE CONNECTION				W-2	
	03-09	DESIGN	REVISION	SJL	JLC	
	DATE	DESIGNED	BY	APPD.	WATER/WASTEWATER ENGINEERING	
	COMPUTER FILE #	WATER DETAILS 200802.DWG				
JLC	SCALE: N.T.S.					FT. PIERCE UTILITIES AUTHORITY
DRAWN BY:	N.T.S.					
SJL	DATE: 2020					SHEET 1 OF 1
APPROVED:	JLC					

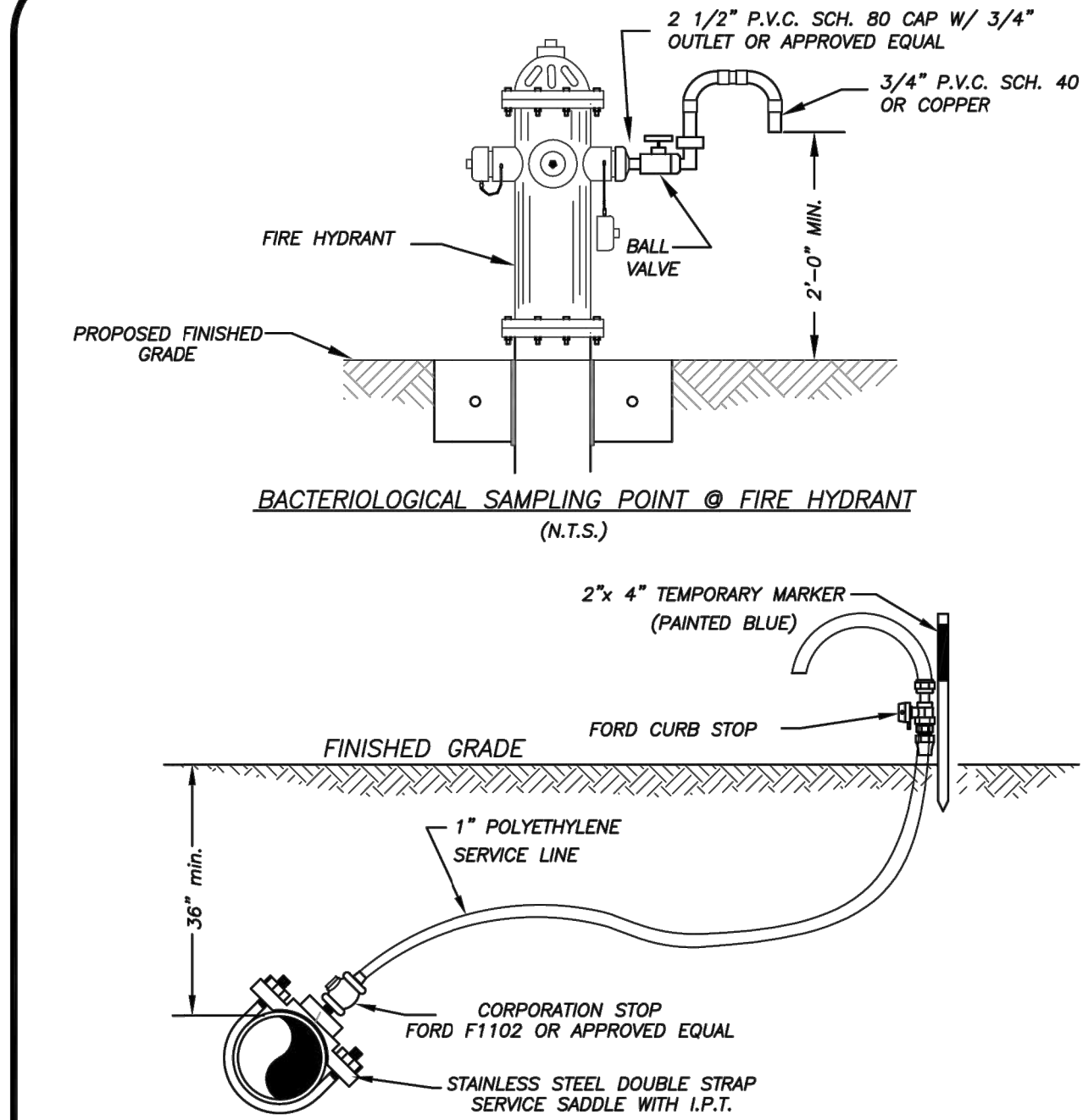


NOTES:

1. HYDRANT SHALL BE INSTALLED PLUMB & TRUE.
2. HYDRANT SHALL BE PAINTED CARNIVAL RED FROM FACTORY.
3. HEEL TO REST IN UNDISTURBED SOIL.
4. THE ONLY HYDRANTS ACCEPTABLE ARE: MUELLER SUPER CENTURION 250 OR AMERICAN DARLING B-84-B-5.
5. HYDRANT ASSEMBLY MUST BE RESTRAINED TO TEE.
6. ALL FITTINGS SHALL BE MECHANICAL JOINT.
7. ENTIRE ASSEMBLY TO BE MECHANICALLY RESTRAINED.
8. BLUE LOCATOR SHALL BE PLACED IN CENTER OF TRAVEL LANE CLOSEST TO HYDRANT.
9. ALL HYDRANT VALVE BOX COVERS SHALL BE PAINTED CARNIVAL RED.
10. LOCATE WIRE SHALL TERMINATE AT HYDRANT ISOLATION VALVE.
11. HYDRANTS SHALL BE NO MORE THAN FIFTEEN FEET (15 FT.) FROM THE CURB OF ROADWAYS OR FROM THE EDGE OF PAVEMENT. CLEARANCES OF SEVEN AND ONE HALF FEET (7'1"-6'11") IN FRONT OF AND TO THE SIDES OF THE FIRE HYDRANTS, WITH FOUR FOOT (4 FT.) CLEARANCE TO THE REAR OF HYDRANTS SHALL BE MAINTAINED.

TYPICAL FIRE HYDRANT ASSEMBLY
(N.T.S.)

 FPUA COMMUNITY PROUD FT. PIERCE UTILITIES AUTHORITY WATER/SEWER/STORMWATER ENGINEERING 100 SOUTH STADIUM STREET FT. PIERCE, FLORIDA 34901 772-465-1800	TYPICAL FIRE HYDRANT ASSEMBLY				W-5	
	03-09	DESIGN	REVISION	SJL	JLC	
	DATE	DESIGNED	BY	APPD.	WATER/WASTEWATER ENGINEERING	
	COMPUTER FILE #	WATERDETAIL.DWG				
JLC	SCALE: N.T.S.					FT. PIERCE UTILITIES AUTHORITY
DRAWN BY:	N.T.S.					
SJL	DATE: 2019					SHEET 1 OF 1
APPROVED:	JLC					



BACTERIOLOGICAL SAMPLING POINT @ FIRE HYDRANT
(N.T.S.)

NOTE:

AFTER TESTING REMOVE 1" P.E. LINE AND CAP WITH BRASS PLUG AT CORPORATION STOP.

 FPUA COMMUNITY PROUD FT. PIERCE UTILITIES AUTHORITY WATER/SEWER/STORMWATER ENGINEERING 100 SOUTH STADIUM STREET FT. PIERCE, FLORIDA 34901 772-465-1800	BACTERIOLOGICAL SAMPLING POINT DETAIL				W-6	
	03-09	DESIGN	REVISION	SJL	JLC	
	DATE	DESIGNED	BY	APPD.	WATER/WASTEWATER ENGINEERING	
	COMPUTER FILE #	WATERDETAIL.DWG				
JLC	SCALE: N.T.S.					FT. PIERCE UTILITIES AUTHORITY
DRAWN BY:	N.T.S.					
SJL	DATE: 2019					SHEET 1 OF 1
APPROVED:	JLC					

Kimley»Horn

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445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
PHONE: 772-794-4100
WWW.KIMLEY-HORN.COM CA 00000696

BLAINE BERGSTRESSER

FL LICENSE NUMBER
84598

KHA PROJECT
147811000

DATE
04/12/2021

SCALE AS SHOWN

DESIGNED BY
BRB

DRAWN BY
TJE

CHECKED BY
BRB

FPUA DETAILS

OLEANDER OAKS
PREPARED FOR
ALVA STONE GROUP

CITY OF FORT PIERCE

SHEET NUMBER
C-403

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.

CALL 48 HOURS
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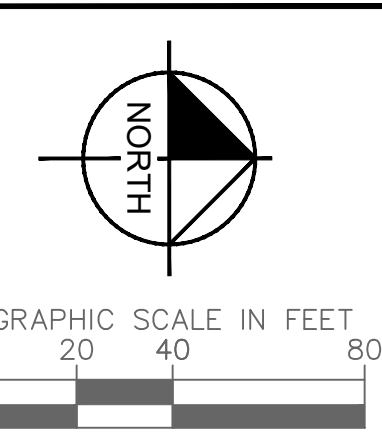
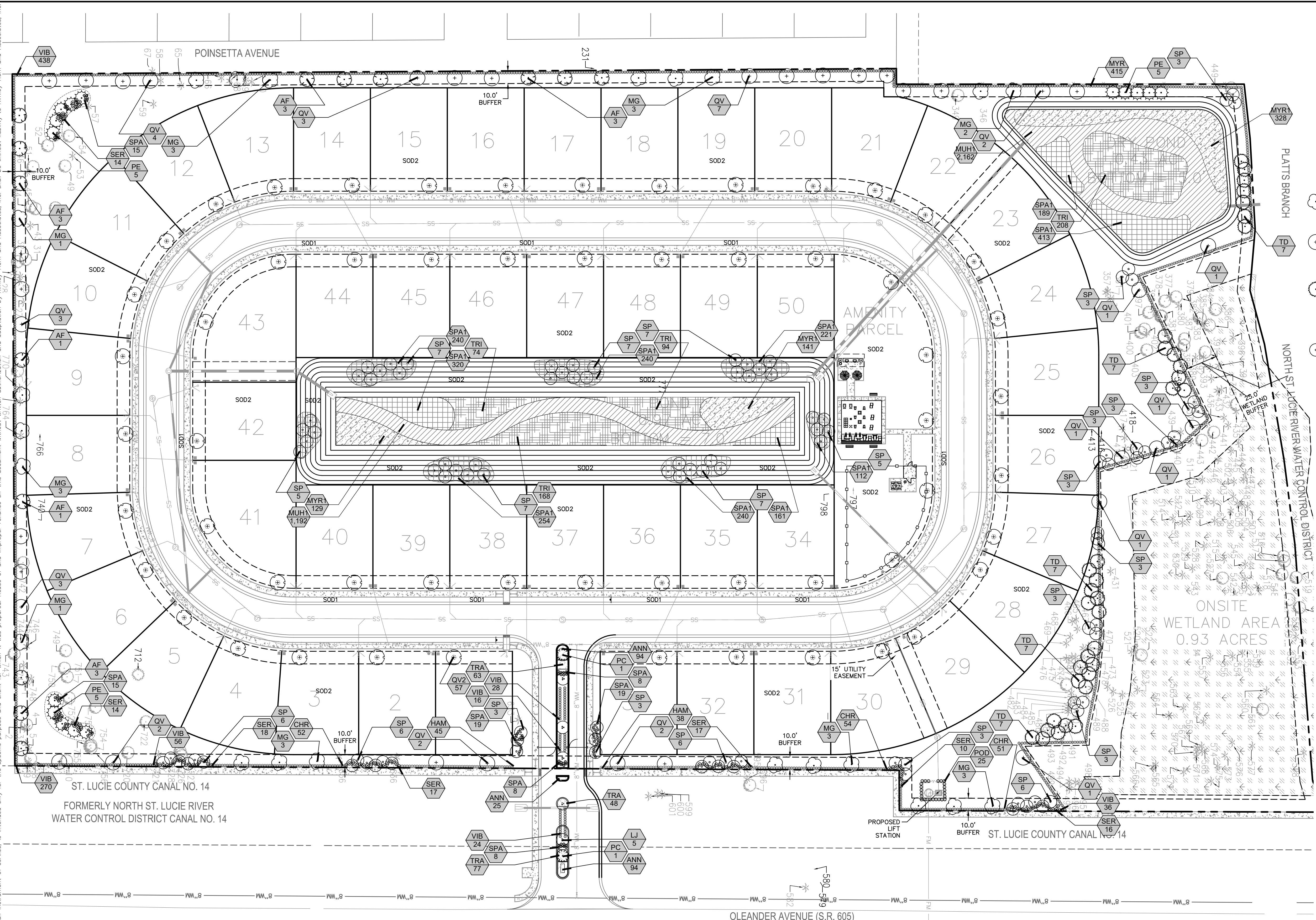
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Know what's below.
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SUNSHINE STATE ONE CALL OF FLORIDA, INC.

Plotted By: Nolan, Kennedy Sheet Set: OLEANDER OAKS Layout: L-100 LANDSCAPE PLAN August 12, 2021 01:23:09pm K:\VRB_DEVA\147811000 - oleander oaks\CAD\plansheets\L-100 LANDSCAPE PLAN.dwg

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PLANT SCHEDULE

TREES	CODE	QTY	BOTANICAL / COMMON NAME
AF	14		Acer rubrum 'Florida Flame' / Florida Flame Red Maple
MG	22		Magnolia grandiflora / Southern Magnolia
PE	15		Pinus elliotti / Slash Pine
QV	35		Quercus virginiana / Southern Live Oak
QV2	57		Quercus virginiana 'Cathedral' / Cathedral Live Oak
TD	35		Taxodium distichum / Bald Cypress
PALM TREES	CODE	QTY	BOTANICAL / COMMON NAME
PC	2		Phoenix canariensis / Canary Island Date Palm
SP	105		Sabal palmetto / Palmetto
UNDERSTORY TREES	CODE	QTY	BOTANICAL / COMMON NAME
LJ	5		Ligustrum japonicum / Japanese Privet
SHRUBS	CODE	QTY	BOTANICAL / COMMON NAME
CHR	157		Chrysobalanus icaco 'Red Tip' / Red Tip Coccoloba
HAM	83		Hamelia patens / Fire Bush
MYR	415		Myrica cerifera / Wax Myrtle
POD	25		Podocarpus macrophyllus / Podocarpus
SER	106		Serenoa repens / Saw Palmetto
SPA	92		Spartina bakeri / Sand Cord Grass
VIB	868		Viburnum odoratissimum / Walter's Viburnum
SHRUB AREAS	CODE	QTY	BOTANICAL / COMMON NAME
MUH1	3,354		Muhlenbergia capillaris / Gulf Muhlygrass
MYR1	598		Myrica cerifera / Wax Myrtle
SPA1	2,525		Spartina bakeri / Sand Cord Grass
TRI	544		Tripsacum dactyloides / Fakahatchee Grass
GROUND COVERS	CODE	QTY	BOTANICAL / COMMON NAME
ANN	213		Annals / Annals
TRA	188		Trachelospermum asiaticum / Dwarf Confederate Jasmine
MULCH	TBD		'FLORIMULCH' Shredded Grade B
SOD1			Stenotaphrum secundatum 'FLORITAM' / St. Augustine Grass
SOD2			Paspalum notatum / Bahia Grass

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Kimley»Horn

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DATE 8/12/2021

DESIGNED BY KPB

DRAWN BY KPB

CHECKED BY KPB

LANDSCAPE PLAN

OLEANDER OAKS
PREPARED FOR
ALVA STONE GROUP

CITY OF FORT PIERCE

DATE 07-29-21

COMMENTS

REVISIONS

BY

811

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IT'S THE LAW! DIAL 811

Know what's below. Call before you dig.

SUNSHINE STATE ONE CALL OF FLORIDA, INC.

SHEET NUMBER

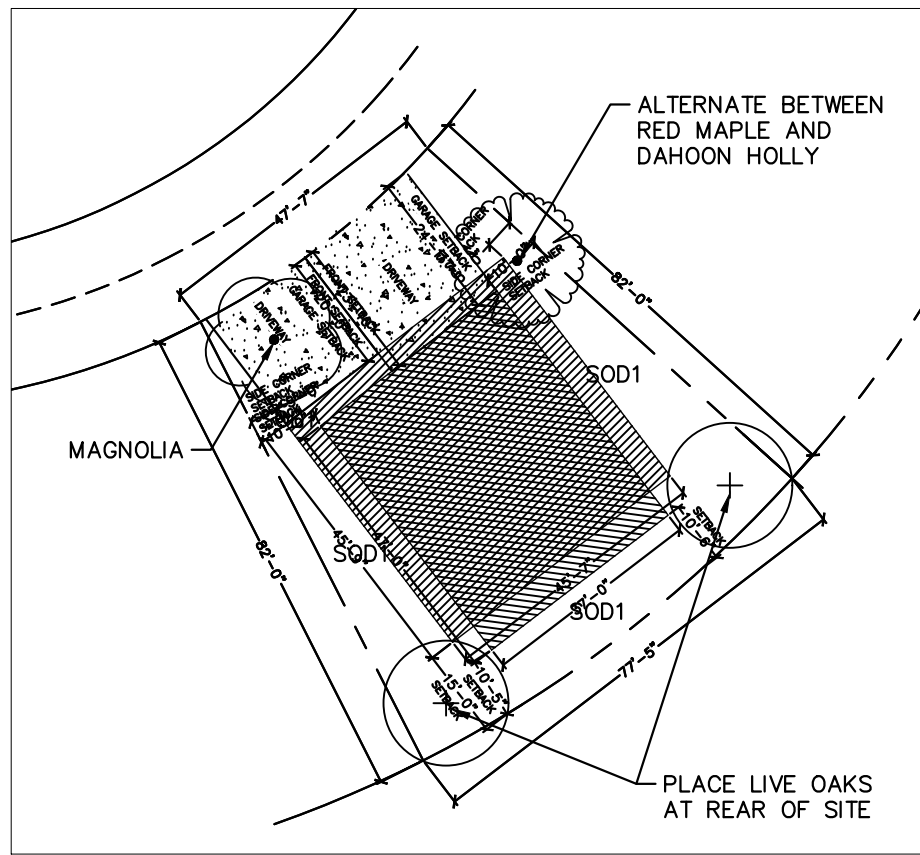
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PLANTING NOTES

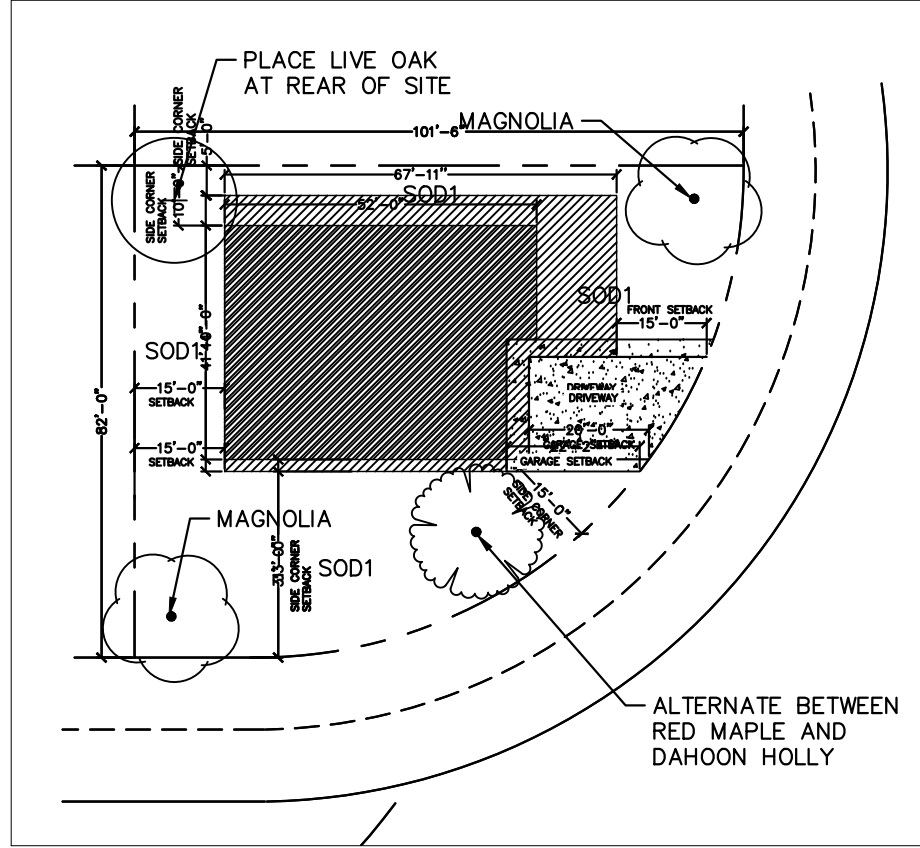
- ALL PLANT MATERIAL SHALL BE INSTALLED ACCORDING TO SOUND NURSERY PRACTICES AND SHALL MEET ALL STANDARDS AS STATED IN THE LATEST EDITION OF "AMERICAN STANDARD FOR NURSERY STOCK" BY THE AMERICAN ASSOCIATION OF NURSERYMEN.
- ALL LANDSCAPING SHALL BE INSTALLED ACCORDING TO SOUND NURSERY PRACTICES, AND SHALL BE FLORIDA NO. 1 OR BETTER AS GIVEN IN "GRADES AND STANDARDS FOR NURSERY PLANTS, PARTS I AND II," STATE OF FLORIDA, DEPARTMENT OF AGRICULTURE.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ADVISE THE OWNER'S REPRESENTATIVE OF ANY CONDITION FOUND ON SITE WHICH PROHIBITS INSTALLATION AS SHOWN ON THESE PLANS.
- NO SUBSTITUTIONS IN PLANT MATERIALS SHALL BE MADE WITHOUT WRITTEN AUTHORIZATION FROM OWNER OR LANDSCAPE DESIGNER. IN THE EVENT OF DISCREPANCIES BETWEEN THE DRAWING AND THE PLANT LIST, THE DRAWING SHALL PREVAIL.
- ALL PLANT MATERIAL IN SHOCK HAS TO BE REPLACED PRIOR TO A CO.
- LOCATE ALL UTILITIES PRIOR TO ANY DIGGING OPERATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGES TO EXISTING UTILITIES INCURRED BY HIS WORK.
- ALL LANDSCAPED AREAS SHALL BE FULLY IRRIGATED WITH AN AUTOMATIC IRRIGATION SYSTEM.
- STAKING AND GUYING ALTERNATIVES: METHODS INDICATED IN DRAWING DETAILS ARE PREFERRED. CONTRACTOR MAY SUGGEST ALTERNATE METHODS, ASSUMING FULL RESPONSIBILITY FOR THEIR IMPLEMENTATION. CONTRACTOR SHALL REPLACE, PLANT, OR UPRIGHT ANY TREES BLOWN OVER OR DAMAGED DUE TO INADEQUATE STAKING AT NO ADDITIONAL COST TO THE OWNER.
- PLANTS MASSSED IN BEDS SHALL BE ARRANGED USING TRIANGULAR SPACING.
- PROVIDE A METAL EDGE BETWEEN ALL PLANTING BEDS AND LAWN AREAS.
- EXISTING SOIL SHALL BE REASONABLY FREE OF STONE, LUMPS OF CLAY, ROOTS AND OTHER FOREIGN MATTER. ACIDITY TO BE BETWEEN 5.0 AND 7.0 pH. CONTRACTOR TO VERIFY SOIL ACIDITY AND AMEND AS NECESSARY TO BRING SOIL WITHIN RANGE.
- TREE PLANTING PITS SHALL BE BACKFILLED WITH TOP SOIL, AND CLEARED OF ALL ROCKS, LUMPS OF CLAY AND OTHER FOREIGN MATERIAL. PLACE 1" OF COMPOST AND 3" OF MULCH ON TOP OF ROOT BALL.
- PROVIDE GRASS SEEDING OR LAY SOD FOR PROPOSED LAWN AREAS TO ALL EDGES OF PAVEMENT AND/ OR LIMITS OF DISTURBANCE OUTSIDE R.O.W. OR PROPOSED LANDSCAPE EASEMENT.
- THE CONTRACTOR, SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL LANDSCAPING FOR 90 DAYS AFTER FINAL ACCEPTANCE. ALL REQUIRED LANDSCAPING SHALL BE MAINTAINED IN A NEAT AND ORDERLY MANNER AT ALL TIMES. THE WORK SHALL INCLUDE, BUT NOT BE LIMITED TO, MOWING, EDGING, PRUNING, FERTILIZING, WATERING, WEEDING, AND OTHER SUCH ACTIVITIES COMMON TO THE MAINTENANCE OF LANDSCAPING. ALL PLANT MATERIALS SHALL BE MAINTAINED IN A HEALTHY AND GROWING CONDITION AS IS APPROPRIATE FOR THE SEASON OF THE YEAR. PLANT MATERIAL THAT DIES SHALL BE REPLACED WITH THE PLANT MATERIAL OF SIMILAR SIZE AND VARIETY.
- TREES OVERHANGING WALKS AND PARKING AREAS SHALL HAVE A CLEAR TRUNK HEIGHT OF 7 FEET FROM FINISH SURFACE GRADE.
- TREES PLANTED ON SLOPES SHALL BE PLACED IN PLANTING PITS OF ADEQUATE DEPTH SUCH THAT THE SOIL STAIN AT THE BASE OF THE TRUNK MATCHES THAT OF THE AVERAGE GRADE OR SLOPE.
- CONTRACTOR SHALL WARRANTY PLANT MATERIAL TO REMAIN ALIVE AND HEALTHY FOR A PERIOD OF ONE YEAR AFTER FINAL ACCEPTANCE. WARRANTY SHALL NOT INCLUDE DAMAGE FOR LOSS OF PLANT MATERIAL DUE TO NATURAL CAUSES, ACTS OF VANDALISM OR NEGLIGENCE ON THE PART OF THE OWNER.
- EXISTING LANDSCAPE THAT IS DAMAGED, NOT SCHEDULED FOR REMOVAL, SHALL BE REPLACED TO EXISTING CONDITION.
- ALL EXISTING TREES TO BE PRUNED/ CLEANED-UP BY A CERTIFIED ARBORIST.
- ALL INVASIVE / EXOTIC SPECIES ON-SITE TO BE REMOVED.
- QUANTITIES ARE APPROXIMATE AND ARE PROVIDED ONLY FOR THE CONVENIENCE OF THE CONTRACTOR. CONTRACTOR IS RESPONSIBLE FOR VERIFYING QUANTITIES AND PROVIDING SUFFICIENT QUANTITIES OF MATERIAL FOR COVERAGE BASED ON THE AREAS TO BE COVERED AND PLANT SPACING CALLED FOR.
- ALL DISTURBED AREAS ON SITE NOT CALLED TO BE SODDED, SHALL BE REESTABLISHED WITH SEED OR HYDROMULCH.
- AN AUTOMATIC IRRIGATION SYSTEM SHALL BE PROVIDED TO MAINTAIN ALL LANDSCAPE AREAS. OVER SPRAY ON STREETS AND WALKS IS PROHIBITED.
- ALL BED AREAS TO BE MULCHED WITH SHREDDED HARDWOOD MULCH AT 3" MIN. DEPTH (FLORA MULCH OR APPROVED EQUAL.)
- NOTIFY LANDSCAPE DESIGNER 772-794-4100 SHOULD AVAILABILITY ISSUE(S) ARISE.
- MINIMUM 5 FOOT TREE SETBACK FROM ALL UTILITIES & 7.5' CLEARANCE AROUND FIRE HYDRANTS & FDC'S FROM LANDSCAPING.
- IN THOSE INSTANCES WHERE A TREE(S) IS PLANTED CLOSER THAN FIVE (5) FEET FROM A SIDEWALK, STRUCTURE, OR UNDERGROUND UTILITY A ROOT BARRIER(S) SHALL BE INSTALLED. ROOT BARRIERS FOR TREES SHALL BE INSTALLED ALONG THE EDGE OF STRUCTURE, PAVING, OR CURB. THE ROOT BARRIER SHALL BE A MINIMUM OF TWENTY-FOUR (24) INCHES DEEP, BUT DEPENDING ON THE SIZE, LOCATION, AND SPECIES OF TREE TO BE PLANTED, A LARGER BARRIER MAY BE REQUIRED. THE ROOT BARRIER SHALL BE INSTALLED WITH TWENTY (20) LINEAR FEET, CENTERED FROM THE TRUNK, FOR LARGE TREES AND FIFTEEN (15) LINEAR FEET FOR SMALLER TREES. ALL ROOT BARRIERS SHALL BE LINEAR.

Plotted By: Nolan, Kennedy Sheet Set: OLEANDER OAKS Layout: L-101 TYPICAL LOT LANDSCAPE DETAILS AND SCHEDULE August 12, 2021 01:23:16pm K:\VRB_LDEV\147811000 - Oleander Oaks\CAD\plansheets\L-100 LANDSCAPE PLAN.dwg

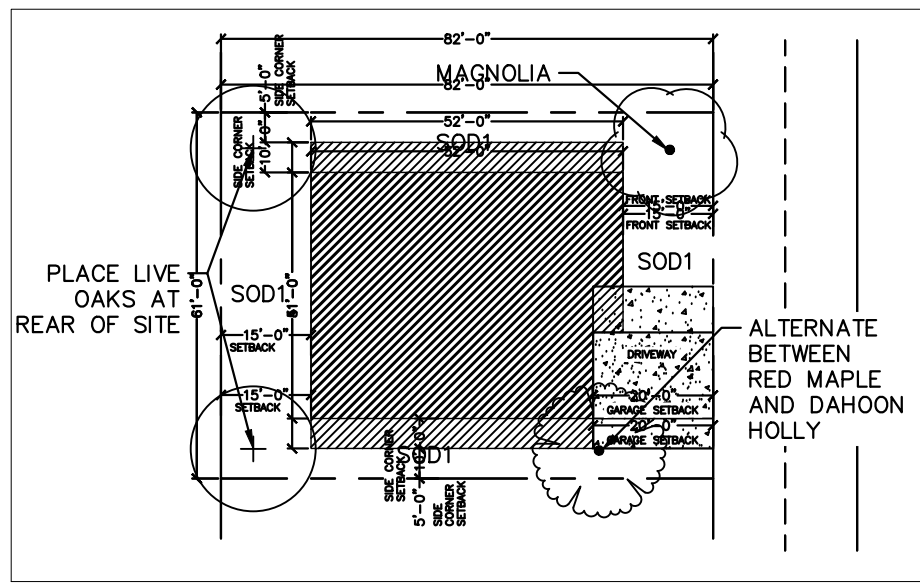
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CURVATURE LOT DETAIL
SCALE: N.T.S.



CORNER LOT DETAIL
SCALE: N.T.S.



REGULAR LOT DETAIL
SCALE: N.T.S.

LANDSCAPE CALCULATION FOR SINGLE FAMILY RESIDENTIAL LOTS

REQUIRED
4 TREES PER LOT
GROUND MUST BE FULLY GRASSED

50 LOTS x 4 TREES PER LOT = 200 TREES REQUIRED

LOT TYPES

CURVATURE LOTS = 16 LOTS TOTAL
(LOT #s 4,5,6,7,10,11,12,13,21,22,23,24,27,28,29,30)

PROVIDED
16 LOTS x 2 LIVE OAKS PER LOT = 32 TREES
16 LOTS x 1 MAGNOLIA PER LOT = 16 TREES
16 LOTS x 0.5 HOLLY PER LOT = 8 TREES
16 LOTS x 0.5 MAPLES PER LOT = 8 TREES

CORNER LOTS = 4 LOTS TOTAL
(LOT #s 1,3,31,41,43)

PROVIDED
4 LOTS x 1 LIVE OAK PER LOT = 4 TREES
4 LOTS x 2 MAGNOLIAS PER LOT = 8 TREES
4 LOTS x 0.5 HOLLY PER LOT = 2 TREES
4 LOTS x 0.5 MAPLES PER LOT = 2 TREES

REGULAR LOTS = 30 LOTS TOTAL
(LOT #S 2,3,8,9,14,15,16,17,18,19,20,25,26,31,32,34,35,36,37,38,39,40,42,44,45,46,47,48,49,50)

PROVIDED
30 LOTS x 2 LIVE OAKS PER LOT = 60 TREES
30 LOTS x 1 MAGNOLIA PER LOT = 30 TREES
30 LOTS x 0.5 HOLLY PER LOT = 15 TREES
30 LOTS x 0.5 MAPLES PER LOT = 15 TREES

TOTAL TREES PROVIDED ALL LOTS
96 LIVE OAKS
54 MAGNOLIAS
25 HOLLIES
25 MAPLES
= 200 TREES TOTAL

SINGLE FAMILY LANDSCAPE SCHEDULE

TREES	CODE	QTY	BOTANICAL / COMMON NAME	SPECIFICATIONS	REMARKS
	AF	25	Acer rubrum 'Florida Flame' / Florida Flame Red Maple	2.5" cal, 12' ht, 4' spr	FG, Straight, Single leader, Full, FL#1
	IC	25	Ilex cassine / Dahoon Holly	2.5" cal, 12' ht, 4' spr	FG, Straight, Single leader, Full, FL#1
	MG	54	Magnolia grandiflora / Southern Magnolia	2.5" cal, 12' ht, 4' spr	FG, Straight, Single leader, Full, FL#1
	QV	35	Quercus virginiana / Southern Live Oak	2.5" cal, 12' ht, 5' spr	FG, Straight, Single Leader, Full, FL#1
GROUND COVERS	CODE	QTY	BOTANICAL / COMMON NAME	SPECIFICATIONS	REMARKS
	SOD1		Stenotaphrum secundatum 'FLORITAM' / St. Augustine Grass	100% Insect/Disease Free, Laid Tight, Rolled	

SINGLE FAMILY LANDSCAPE NOTES

- A MINIMUM OF FOUR TREES MUST EXIST OR BE PLANTED ON EACH DEVELOPED LOT WHERE EITHER A SINGLE-FAMILY RESIDENCE OR TWO-FAMILY RESIDENCE IS THE PRINCIPAL STRUCTURE.
- TREES SHOULD BE PLANTED IN LOCATIONS SO AS NOT TO PRESENT A POTENTIALLY DANGEROUS CONDITION OR INTERFERE WITH EXISTING STRUCTURES OR UTILITIES AT MATURITY.
- RESIDENTIAL LOTS MUST EITHER BE FULLY GRASS-COVERED OR PROVIDED WITH A COMBINATION OF GRASS COVER AND LANDSCAPE FOR THE ENTIRE GROUND AREA, EXCEPT FOR PERMITTED, IMPERVIOUS SURFACES SUCH AS SIDEWALKS, PATIOS, AND DRIVEWAYS.

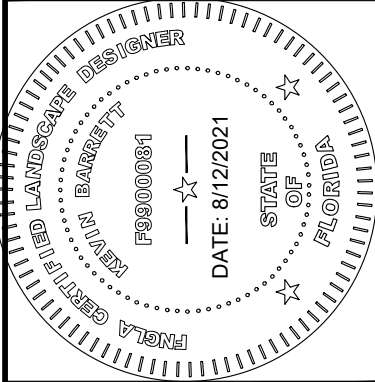
SINGLE FAMILY LOT LANDSCAPE DETAILS

MASTER DEVELOPMENT
PLANT SCHEDULE

TREES	CODE	QTY	BOTANICAL / COMMON NAME	SPECIFICATIONS	REMARKS
	AF	14	Acer rubrum 'Florida Flame' / Florida Flame Red Maple	2.5" cal, 12' ht, 4' spr	FG, Straight, Single leader, Full, FL#1
	MG	22	Magnolia grandiflora / Southern Magnolia	2.5" cal, 12' ht, 4' spr	FG, Straight, Single leader, Full, FL#1
	PE	15	Pinus ellioti / Slash Pine	2.5" cal, 12' ht, 4' spr	FG, Straight, Single leader, Full, FL#1
	QV	35	Quercus virginiana / Southern Live Oak	2.5" cal, 12' ht, 5' spr	FG, Straight, Single Leader, Full, FL#1
	QV2	57	Quercus virginiana 'Cathedral' / Cathedral Live Oak	5" cal, 18' ht, 6' spr	FG, Straight, Single Leader, Full, FL#1 Specimen with branching characteristic
	TD	35	Taxodium distichum / Bald Cypress	2.5" cal, 12' ht, 4' spr	FG, Straight, Single Leader, Full, FL#1
PALM TREES	CODE	QTY	BOTANICAL / COMMON NAME	SPECIFICATIONS	REMARKS
	PC	2	Phoenix canariensis / Canary Island Date Palm	16' CT	FG, Straight, Heavy Trunk, Diamond Cut, Full, FL#1
	SP	105	Sabal palmetto / Palmetto	10' ct	FG, Straight, Slick, Full, FL#1
UNDERSTORY TREES	CODE	QTY	BOTANICAL / COMMON NAME	SPECIFICATIONS	REMARKS
	LJ	5	Ligustrum japonicum / Japanese Privet	1.5" cal, total, 8' ht, 3' spr.	45 gal., Multi-Trunk, 3 Trunk Min., Full, FL#1
SHRUBS	CODE	QTY	BOTANICAL / COMMON NAME	SPECIFICATIONS	REMARKS
	CHR	157	Chrysobalanus icaco 'Red Tip' / Red Tip Cocoplum	24" x 24", 24" o.c.	Full to Ground
	HAM	83	Hamelia patens / Fire Bush	24" ht, 24" spr, 24" oc	Full to Ground
	MYR	415	Myrica cerifera / Wax Myrtle	24" x 24", 24" O.C.	Full to Ground
	POD	25	Podocarpus macrophyllus / Podocarpus	4' x 30", 30" o.c.	Full to Ground, Matching
	SER	106	Serenoa repens / Saw Palmetto	24"x24", 36"oc	Full heads, min. 3 per pot
	SPA	92	Spartina bakeri / Sand Cord Grass	18" x 24", 24" O.C.	Full
	VIB	868	Viburnum odoratissimum / Walter's Viburnum	24" x 24", 24" o.c.	Full to Ground
SHRUB AREAS	CODE	QTY	BOTANICAL / COMMON NAME	SPECIFICATIONS	REMARKS
	MUH1	3,354	Muhlenbergia capillaris / Gulf Muhlygrass	12" ht, 12" spr, 24" oc	Full
	MYR1	598	Myrica cerifera / Wax Myrtle	24" ht, 24" spr, 36" oc	Full to Ground
	SPA1	2,525	Spartina bakeri / Sand Cord Grass	18" ht, 18" spr, 24" oc	Full
	TRI	544	Tripsacum dactyloides / Fakahatchee Grass	24" ht, 24" spr, 48" oc	Full to ground
GROUND COVERS	CODE	QTY	BOTANICAL / COMMON NAME	SPECIFICATIONS	REMARKS
	ANN	213	Annuals / Annuals	#1, 12" o.c.	Variety and Color to be determined
	TRA	188	Trachelospermum asiaticum / Dwarf Confederate Jasmine	#1, 12" o.c.	Full
	MULCH	TBD	'FLORIMULCH' Shredded Grade B		
	SOD1		Stenotaphrum secundatum 'FLORITAM' / St. Augustine Grass	100% Insect/Disease Free, Laid Tight, Rolled	
	SOD2		Paspalum notatum / Bahia Grass	100% Insect/Disease Free, Laid Tight, Rolled	

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KHA PROJECT	147811000
DATE	04/12/2021
SCALE	AS SHOWN
DESIGNED BY	KPB
DRAWN BY	KPB
CHECKED BY	KPB

TYPICAL LOT
LANDSCAPE DETAILS
AND SCHEDULE

OLEANDER OAKS
PREPARED FOR
ALVA STONE GROUP

CITY OF FORT PIERCE FL

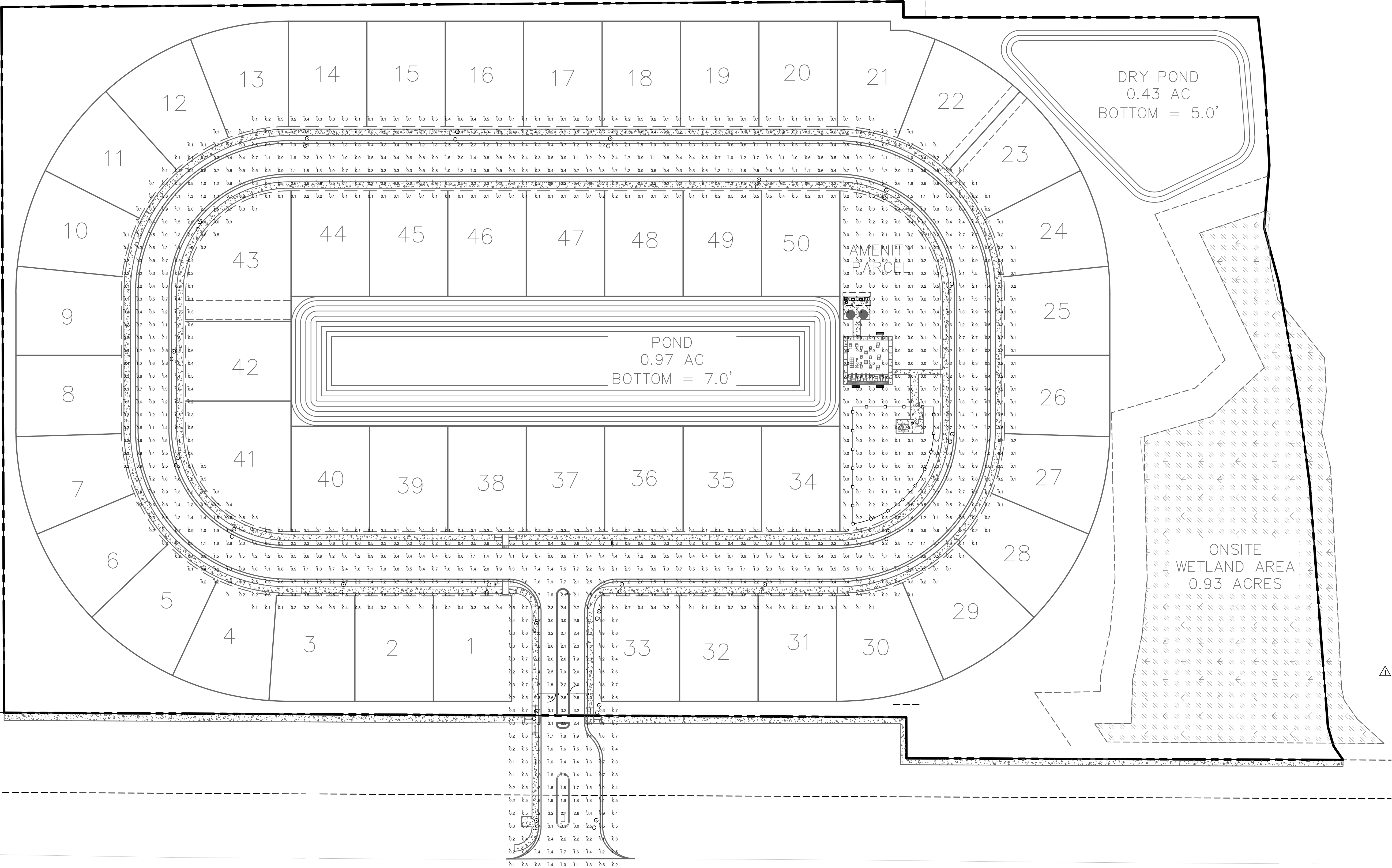
SHEET NUMBER
L-101

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.

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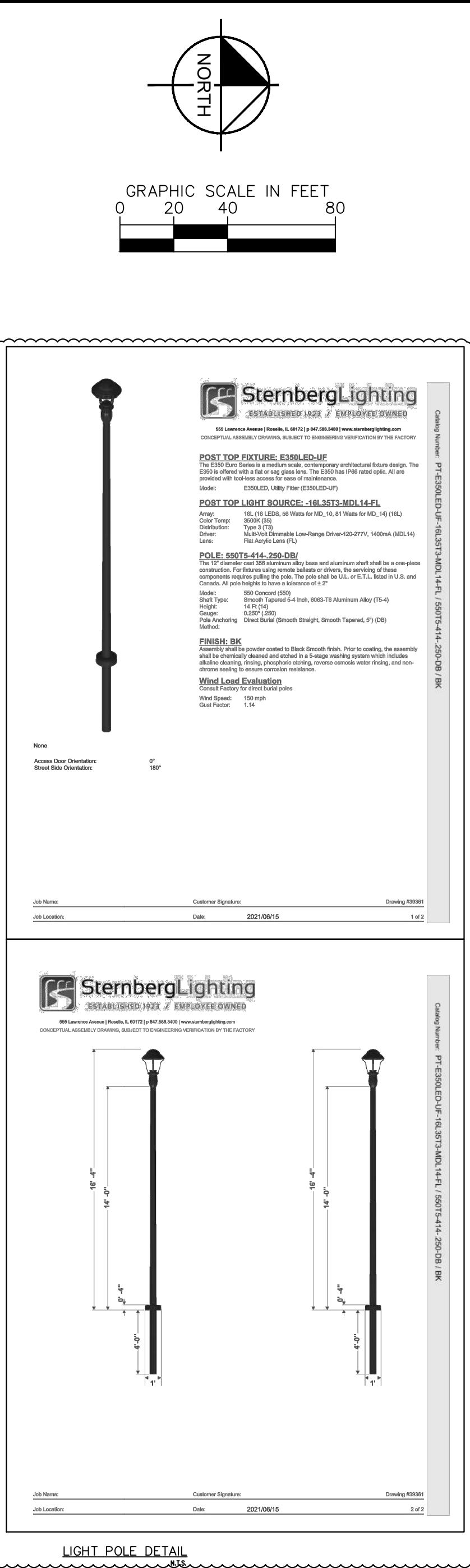
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Landreth Lighting Luminaire Schedule									
Symbol	[MANUFAC]	Qty	Label	Arrangement	Description	LLF	Lum. Watts	Lum. Lumens	BUG Rating
⊙	Sternberg Lighting	22	C	SINGLE	PT-E350LED-UF-16L35T3-MDL14-FL/550T5-414-.250-DB/BK	1.000	80.9	5151	B2-U0-G2

Landreth Lighting Calculation Summary						
Label	CalcType	Units	Avg	Max	Min	Avg/Min
Street	Illuminance	Fc	1.24	3.4	0.3	4.01
						10.66



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OLEANDER OAKS
PREPARED FOR
ALVA STONE GROUP

CITY OF FORT PIERCE

PHOTOMETRIC SITE
PLAN

FL

KHA PROJECT
147811000

DATE
04/12/2021

SCALE AS SHOWN

DESIGNED BY BRB

DRAWN BY TJE

CHECKED BY BRB

BLAINE BERGSTRESSER

FL LICENSE NUMBER
84598

Kimley»Horn

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WWW.KIMLEY-HORN.COM CA 00000696

PER CITY COMMENTS

REVISIONS

DATE

BY

07-29-21 TJE

No.

DATE

BY