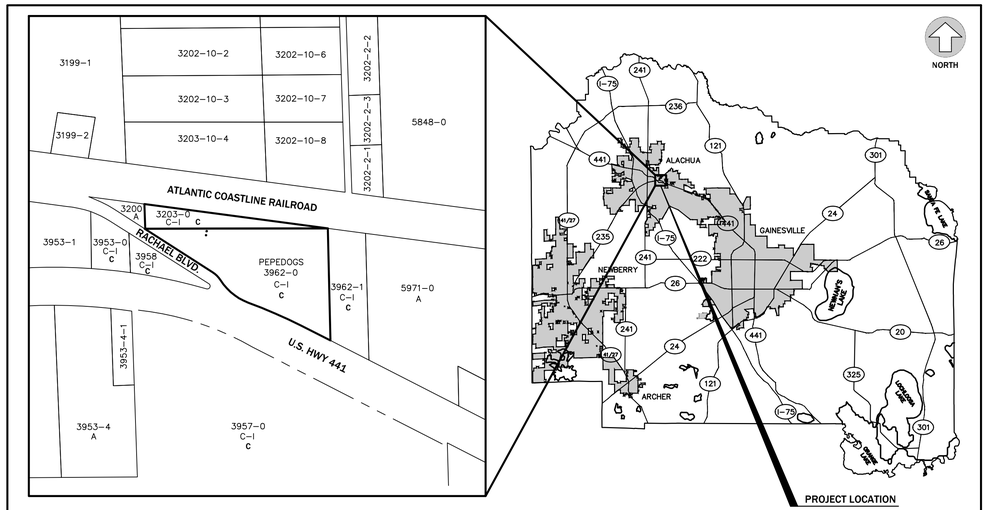
PEPEDOGS

CITY OF ALACHUA, FLORIDA

DEVELOPMENT INFORMATION:

1.	PROJECT OWNER:	PNC BANK, NA SUCCESSOR BY MERGER TO RBC BANK 201 E. PINE STREET, SUITE 100 ORLANDO, FLORIDA 32801
2.	NAME OF PROJECT:	PEPEDOGS
3.	PROJECT DESCRIPTION:	CONSTRUCTION OF A DOG KENNEL AND TRAINING FACILITY
4.	PROJECT ADDRESS:	10908 RACHAEL BLVD. CITY OF ALACHUA, FLORIDA 32615
5.	TAX PARCEL NUMBER:	03203-000-000 03962-000-000
6.	SECTION/TOWNSHIP/RANGE:	SECTION 13 & 24, TOWNSHIP 8 SOUTH, RANGE 18 EAST
7.	ZONING:	CI
8.	FUTURE LAND DESIGNATION:	COMMERCIAL
9.	THIS SITE IS NOT LOCATED IN A HISTORIC DISTRICT OR FLOOD PLAIN.	
10.	IRRIGATION SYSTEM IS PROVIDED FOR LANDSCAPED AREAS.	
11.	THE STORMWATER SYSTEM IS BEING PERMITTED CONCURRENTLY WITH THE SUWANNEE RIVER WATER MANAGEMENT DISTRICT.	
12.	UTILITY SERVICES WILL BE PROVIDED AS STATED IN THE TABLE OF UTILITIES TO BE PROVIDED & PROVIDER.	
13.	NO SPECIAL FIRE PROTECTION CONCERNS ARE PROPOSED ON THIS BUILDING. THE BUILDING SHALL BE SPRINKLED AND SHALL COMPLY WITH THE FLORIDA FIRE PREVENTION CODE.	
14.	THE PROJECT SITE WILL MEET ALL NPDES CRITERIA DURING AND AFTER CONSTRUCTION.	
15.	TRASH AND RECYCLING FACILITIES ARE PROPOSED ON SITE.	
16.	FIRE HYDRANTS AND STABILIZED SURFACES MUST BE IN SERVICE PRIOR TO THE ACCUMULATION OF COMBUSTIBLES ON SITE. THE PROPOSED FIRE HYDRANT LOCATION COMPLIES WITH NFPA 18.2.3.2.21 DISTANCE REQUIREMENTS.	
17.	ACCESS TO THE COUNTY ROAD IS BEING PERMITTED CONCURRENTLY WITH THE ALACHUA COUNTY PUBLIC WORKS.	



VICINITY MAP
ALACHUA COUNTY, FLORIDA
NOT TO SCALE

LEGEND

ZONING:
A – AGRICULTURAL
CI – COMMERCIAL INTENSIVE

FUTURE LAND USE:
C – COMMERCIAL

LEGAL DESCRIPTION

PARCEL 6:
THAT PORTION OF THE NORTHEAST QUARTER OF THE NORTHEAST QUARTER (NE ¼ OF NE ¼) OF SECTION 24, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA COUNTY, FLORIDA, THAT LIES SOUTHERLY OF THE FORMER ATLANTIC COASTLINE RAILROAD RIGHT OF WAY AND NORTHERLY OF OLD STATE ROAD NO. 2 AND NORTHERLY OF STATE ROAD NO. 25 (U.S. HIGHWAY NO. 441); LESS THE FOLLOWING DESCRIBED LAND:

COMMENCE AT THE NORTHEAST CORNER OF SAID SECTION 24 FOR A POINT OF REFERENCE, THENCE RUN SOUTH 00 DEG. 52 MIN. 29 SEC. EAST ALONG THE EAST LINE OF SAID SECTION 24, A DISTANCE OF 26.60 FEET TO AN IRON PIPE ON THE SOUTH RIGHT OF WAY LINE OF THE FORMER SEABOARD COASTLINE RAILROAD FOR THE POINT OF BEGINNING; FROM THE SAID POINT OF BEGINNING CONTINUE SOUTH 00 DEG. 52 MIN. 29 SEC. EAST ALONG THE SAID EAST LINE OF SECTION 24, A DISTANCE OF 649.06 FEET TO AN IRON PIPE ON THE NORTHERLY RIGHT OF WAY LINE OF U.S. HIGHWAY NO. 441; THENCE RUN NORTH 61 DEG. 54 MIN. 59 SEC. WEST ALONG THE SAID NORTHERLY RIGHT OF WAY LINE, A DISTANCE OF 228.63 FEET TO AN IRON PIPE; THENCE RUN NORTH 00 DEG. 52 MIN. 29 SEC. WEST PARALLEL TO AND 200.0 FEET PERPENDICULAR TO THE SAID EAST LINE OF SECTION 24, A DISTANCE OF 571.08 FEET TO AN INTERSECTION WITH THE SAID SOUTHERLY RIGHT OF WAY LINE OF SAID SEABOARD COASTLINE RAILROAD; THENCE RUN SOUTH 81 DEG. 35 MIN. 15 SEC. EAST, ALONG THE SAID SOUTHERLY RIGHT OF WAY LINE, A DISTANCE OF 202.70 FEET TO THE SAID IRON PIPE ON THE EAST LINE OF SECTION 24 AND THE POINT OF BEGINNING.
CONTAINING 2.80 ACRES, MORE OR LESS.

PARCEL 7:
A TRACT OF LAND SITUATED IN THE SE ¼ OF SE ¼ OF SECTION 13, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA COUNTY, FLORIDA. SAID TRACT OF LAND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCE AT THE SOUTHEAST CORNER OF THE AFOREMENTIONED SECTION 13, TOWNSHIP 8 SOUTH, RANGE 18 EAST, FOR A POINT OF REFERENCE; THENCE RUN NORTH 89 DEG. 06 MIN. 22 SEC. WEST ALONG THE SOUTH LINE OF SAID SECTION 13, A DISTANCE OF 509.72 FEET TO THE POINT OF BEGINNING; THENCE CONTINUE NORTH 89 DEG. 06 MIN. 22 SEC. WEST ALONG SAID SOUTH LINE OF SECTION 13 A DISTANCE OF 648.75 FEET TO THE NORTHEASTERLY RIGHT-OF-WAY LINE OF STATE ROAD NO. S-340A (66 FOOT RIGHT-OF-WAY); THENCE RUN NORTH 8 DEG. 00 MIN. 00 SEC. EAST A DISTANCE OF 125.33 FEET TO THE SOUTH LINE OF SEABOARD COAST LINE RAILROAD; THENCE RUN SOUTHEASTERLY ALONG SAID SOUTH LINE TO THE POINT OF BEGINNING.

PROJECT TEAM

1.	OWNER:	J & K CANINE ACADEMY, INC. POST OFFICE BOX 769 HIGH SPRINGS, FL 32655 PHONE: 407-219-3540 CONTACT: JOSE PERUYERO
2.	ARCHITECT:	ANDREW KAPLAN, ARCHITECT P.O. BOX 13893 GAINESVILLE, FLORIDA 32604 PHONE: 352-373-2726 CONTACT: ANDREW KAPLAN
3.	CIVIL ENGINEER:	EDA – ENGINEERS, SURVEYORS, PLANNERS 2404 NW 43rd STREET GAINESVILLE, FLORIDA 32606 PHONE: 352-373-3541 CONTACT: CHRISTOPHER GMUER, P.E.
4.	LANDSCAPE ARCHITECT:	BUFFORD DAVIS & ASSOCIATES 2406 NW 43RD STREET GAINESVILLE, FLORIDA 32606 PHONE: 352-335-1896 CONTACT: E.J. BOLDUC III
5.	GEOTECHNICAL ENGINEER:	UNIVERSAL ENGINEERING SCIENCES 4475 SW 35TH TERRACE GAINESVILLE, FL 32608 PHONE: 352-372-3392 CONTACT: EDUARDO SUAREZ, P.E.
6.	SURVEYOR:	EDA – ENGINEERS, SURVEYORS, PLANNERS 2404 NW 43rd STREET GAINESVILLE, FL 32606 PHONE: 352-373-3541 CONTACT: BOB GRAVER, PSM

IMPERVIOUS AREA CALCULATIONS

#	DESCRIPTION	SQUARE FOOTAGE	ACREAGE	PERCENTAGE
1.	TOTAL SITE AREA:	350,222 S.F.	8.04 Ac.	100%
2.	PROPOSED BUILDING COVERAGE:	6,600 S.F.	0.15 Ac.	1.88%
3.	PAVEMENT AND SIDEWALK AREA:	30,895 S.F.	0.71 Ac.	8.83%
4.	TOTAL IMPERVIOUS AREA:	37,495 S.F.	0.86 Ac.	10.70%
5.	OPEN AREA:	299,662 S.F.	6.88 Ac.	85.57%
6.	PROPOSED STORMWATER MANAGMENT FACILITY	13,065 S.F.	0.300 Ac.	3.73%
7.	PROPOSED STORMWATER TREATMENT SWALE	1,179 S.F.	0.027 Ac.	0.34%
8.	LANDSCAPING	2,305 S.F.	0.05 Ac.	0.006%

UTILITIES TO BE PROVIDED & PROVIDER

1.	ELECTRIC:	CITY OF ALACHUA ELECTRIC SERVICE
2.	NATURAL GAS:	N/A
3.	POTABLE WATER:	CITY OF ALACHUA UTILITIES
4.	WASTE WATER:	ON SITE SEPTIC TANK
5.	CABLE:	N/A
6.	TELEPHONE:	N/A
7.	FIRE SUPPRESSION WATER SUPPLY:	CITY OF ALACHUA UTILITIES
8.	HIGH SPEED INTERNET:	N/A

PARKING CALCULATIONS

#	DESCRIPTION	CRITERIA	REQUIRED (MINIMUM)	ALLOWED (MAXIMUM)	PROVIDED SPACES
1.	VEHICULAR PARKING: (KENNEL, INDOOR)	MIN. = 1 PARKING SPACE PER 300 SF GFA (MAX. ALLOWED = 125% OF MINIMUM)	1 SPACE/300 SF x 6,600 SF = 22 SPACES	28	22 INCLUDING 1 HANDICAP SPACES
2.	BICYCLE PARKING:	N/A	N/A	N/A	N/A
3.	MOTORCYCLE PARKING:	N/A	N/A	N/A	N/A
4.	LOADING ZONE	1 SPACE REQUIRED FOR BUILDING OVER 5,000 SF TO 24,999 SF	1	N/A	1

DRAWING INDEX

SHEET NUMBER	DRAWING TITLE
C0.00	COVER SHEET
C0.10	LEGEND, SYMBOLS AND NOTES
C0.20	DEVELOPMENT PLAN
C0.30	TREE CLEARING AND DEMOLITION PLAN
C1.00	DIMENSION PLAN
C2.00	PAVING, GRADING, & DRAINAGE PLAN
C2.10	PAVING, GRADING, & DRAINAGE DETAILS AND NOTES
C2.20	STORMWATER SYSTEM DETAILS, NOTES AND CROSS SECTIONS
C3.00	STORMWATER POLLUTION PREVENTION PLAN
C4.00	UTILITY PLAN
C4.01	UTILITY DETAILS
C5.00	DEVELOPMENT PLAN FOR DRIVEWAY CONNECTION
V001 – V003	BOUNDARY & TOPOGRAPHIC SURVEY
E-1	PHOTOMETRIC PLAN (BY OTHERS)
LS1 – LS2	LANDSCAPE PLAN (BY OTHERS)
IR-1 – IR-2	IRRIGATION PLAN (BY OTHERS)
A1 – A3, A5	ARCHITECTURAL PLANS (BY OTHERS)

No.	Date	Comment

NORTH
SCALE: AS SHOWN

eda engineers • surveyors • planners
EB 3989
2404 N.W. 43rd ST. GAINESVILLE, FLORIDA 32606-6669
TEL: (352) 373-3541 FAX: (352) 373-7724
www.eda-pl.com mail@eda-pl.com

Project: PEPEDOGS
Sheet title: COVER SHEET
Project phase: CITY SECOND SUBMITTAL
Designed: CAG Drawn: JAB
Project No: 15-141 Date: 5/28/15
Professional Engineer of Record:
Christopher A. Gmuer, Engineer — Certificate No. 71599
Sheet No.: C0.00

\\SERVER3\engprojects\PetPaDogs\Plans\Current DWG\P15141jl.dwg – C0.00-COVER-CITY
Plotted Jun 24, 2015 – 14:13:18 – TAR

EXISTING SYMBOLS & ABBREVIATIONS

C/L	=	CENTERLINE
crmp	=	CORRUGATED METAL PIPE
CONC	=	CONCRETE
COR	=	CORNER
D	=	DELTA (CENTRAL) ANGLE
R	=	RADIUS
A	=	ARC
T	=	TANGENT
CB	=	CHORD BEARING
CD	=	CHORD DISTANCE
dip	=	DUCTILE IRON PIPE
ELEV	=	ELEVATION
ecmp	=	ELLIPTICAL CORRUGATED METAL PIPE
ercp	=	ELLIPTICAL REINFORCED CONCRETE PIPE
ID.	=	IDENTIFICATION
inv	=	INVERT
F.D.O.T.	=	FLORIDA DEPARTMENT OF TRANSPORTATION
F.F.	=	FINISHED FLOOR
M.E.S.	=	MITERED END SECTION
No.	=	NUMBER
O.R.	=	OFFICIAL RECORDS BOOK
PGS.	=	PAGES
PVC	=	POLY-VINYL CHLORIDE
RCP	=	REINFORCED CONCRETE PIPE
R/W	=	RIGHT OF WAY
SEC 28-9-19	=	SECTION 28, TOWNSHIP 9 SOUTH, RANGE 19 EAST
TRAN	=	ELECTRICAL TRANSFORMER PAD
w/	=	WITH
ANCH	=	GUY ANCHOR
WBO	=	WATER BLOW OFF
CO	=	SANITARY CLEAN-OUT
	=	FOUND CONCRETE MONUMENT (size, ID)
	=	FOUND DRILL HOLE
	=	FOUND IRON PIPE (size, ID)
	=	FOUND NAIL & DISK (ID)
	=	FOUND REBAR & CAP (size, ID)
	=	FOUND SPIKE
GM	=	GAS METER
GV	=	GAS VALVE
GP	=	GUY POLE
	=	ELECTRICAL HANDHOLE
FH	=	FIRE HYDRANT
IRRIG VLV	=	IRRIGATION VALVE
LT PL	=	LIGHT POLE
MBOX	=	MAIL BOX
	=	MANHOLE
PP	=	POWER POLE
	=	SET 5/8" REBAR & CAP (LB 2389)
	=	SET CONCRETE MONUMENT (PRM LB 2389)
	=	SET NAIL & DISC (PRM LB 2389)
	=	SET SPIKE
	=	SHRUB
	=	SIGN
TELBX	=	TELEPHONE RISER
TVBOX	=	CABLE TELEVISION RISER
WM	=	WATER METER
WV	=	WATER VALVE
80	=	ELEVATION CONTOUR LINE
X	=	FENCE LINE
OHGW	=	OVERHEAD GUY WIRE
OHPL	=	OVERHEAD POWER LINE
OHTL	=	OVERHEAD TELEPHONE LINE
OHTV	=	OVERHEAD TELEVISION LINE
SS	=	SANITARY SEWER LINE
UCE	=	UNDERGROUND ELECTRIC LINE
GAS	=	UNDERGROUND GAS LINE
UGT	=	UNDERGROUND TELEPHONE LINE
UGTV	=	UNDERGROUND CABLE TELEVISION LINE
W	=	UNDERGROUND WATER LINE
88.90 ×	=	SPOT ELEVATION

TREE LEGEND

THE ONLY TREES LOCATED FOR THIS SURVEY WERE HARDWOODS 8" AND GREATER AND PINES 12" AND GREATER (DIAMETER MEASURED AT BREAST HEIGHT)

LOCATION / SPECIES / DIAMETER AT BREAST HEIGHT IN INCHES

		SIZE/COMMON NAME
ba10.	=	10" BAY
cb11.	=	11" CHINABERRY
ce11.	=	11" CEDAR
ch12.	=	12" CHERRY
cht10.	=	10" CHINESE TALLOW
hi11.	=	11" HICKORY
loa12.	=	12" LAUREL OAK
lo15.	=	15" LIVE OAK
mb12.	=	12" MULBERRY
mg18.	=	18" MAGNOLIA
pa18.	=	18" PALM
pi14.	=	14" PINE
po9.	=	9" POST OAK
sb11.	=	11" SUGARBERRY
sg17.	=	17" SWEETGUM
tko11.	=	11" TURKEY OAK
tree18.	=	18" UNIDENTIFIED TREE
wo14.	=	14" WATER OAK

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

PROPOSED UTILTIY SYMBOLS

WM	WATER MAIN, PROPOSED
WM	WATER MAIN, EXISTING
WW	WASTEWATER GRAVITY MAIN, PROPOSED
	PLUG END AND CAP
	BLOW-OFF ASSEMBLY
	GATE VALVE & BOX
	BUTTERFLY VALVE
	PLUG VALVE
	SWING CHECK VALVE
	BACK FLOW PREVENTER
RP	REDUCED PRESSURE ZONE BFP
DC	DOUBLE CHECK BFP
	DUAL CHECK VALVE
ARV	AIR RELEASE VALVE
	REDUCER FITTING
R	PRESSURE REGULATOR
	POST INDICATOR VALVE
	CLEAN OUT OR ROOF DRAIN LATERAL
	FITTING W/ THRUST BLOCK
	FIRE HYDRANT W/ THRUST BLOCK
	FIRE HYDRANT ASSEMBLY
	POTABLE WATER METER
	SINGLE SERVICE WATER METER
	DUAL SERVICE WATER METER
	GANG WATER METER ASSEMBLY
TX	ELECTRIC TRANSFORMER
	RECLAIMED WATER METER ASSEMBLY
RCW	RECLAIMED WATER MAIN, PROPOSED
RCW	PLUG END AND CAP
RCW	BLOW-OFF ASSEMBLY
RCW	GATE VALVE & BOX
RCW	REDUCER FITTING
FM	WASTEWATER (PRESSURE) MAIN, PROPOSED
SS	SANITARY SEWER MAIN, PROPOSED
SS	SANITARY SEWER MAIN, EXISTING
SS	SANITARY SEWER MANHOLE, PROPOSED
SS	SANITARY SEWER MANHOLE, EXISTING
	SANITARY SEWER PLUG
	PLUG VALVE
	SEWER LATERAL, SINGLE SERVICE
	GATE VALVE
	CHECK VALVE
A. R.	AIR RELEASE VALVE

LEGEND

	SILT FENCE
	TREE BARRICADE
(TBR)	EXISTING FEATURES TO BE REMOVED (TBR)
	LIMITS OF EXISITING ASPHALT PAVEMENT, CONCRETE AND/OR BUILDING TO BE REMOVED
	LIMITS OF ASPHALT PAVEMENT
	LIMITS OF CONCRETE PAVEMENT AND SIDEWALKS
	BRICK PAVER PATTERN TO BE DETERMINED BY OWNER (PATTERN MAY BE SUBSTITUTED WITH STAMPED ASPHALT OR PAINTED PEDESTRIAN CROSSING)
pi20	EXISTING TREE TO REMAIN
pi20	EXISTING TREE TO BE REMOVED
80.00	EXISTING SPOT ELEVATION
80.00	PROPOSED SPOT ELEVATION
183.25	PROPOSED CONTOUR ELEVATION
183	EXISTING CONTOUR ELEVATION

No.	Date	Comment

SCALES:
AS SHOWN

engineers • surveyors • planners
EB 2389
2404 N.W. 43rd ST. GAINESVILLE, FLORIDA 32606-6600
TEL: (352) 373-3541 FAX: (352) 373-7268
www.edail.com mail@edail.com

Project: PEPEDOGS

Sheet title: LEGEND, SYMBOLS AND NOTES

Project phase: CITY SECOND SUBMITTAL

Designed: CAG | Drawn: JAB

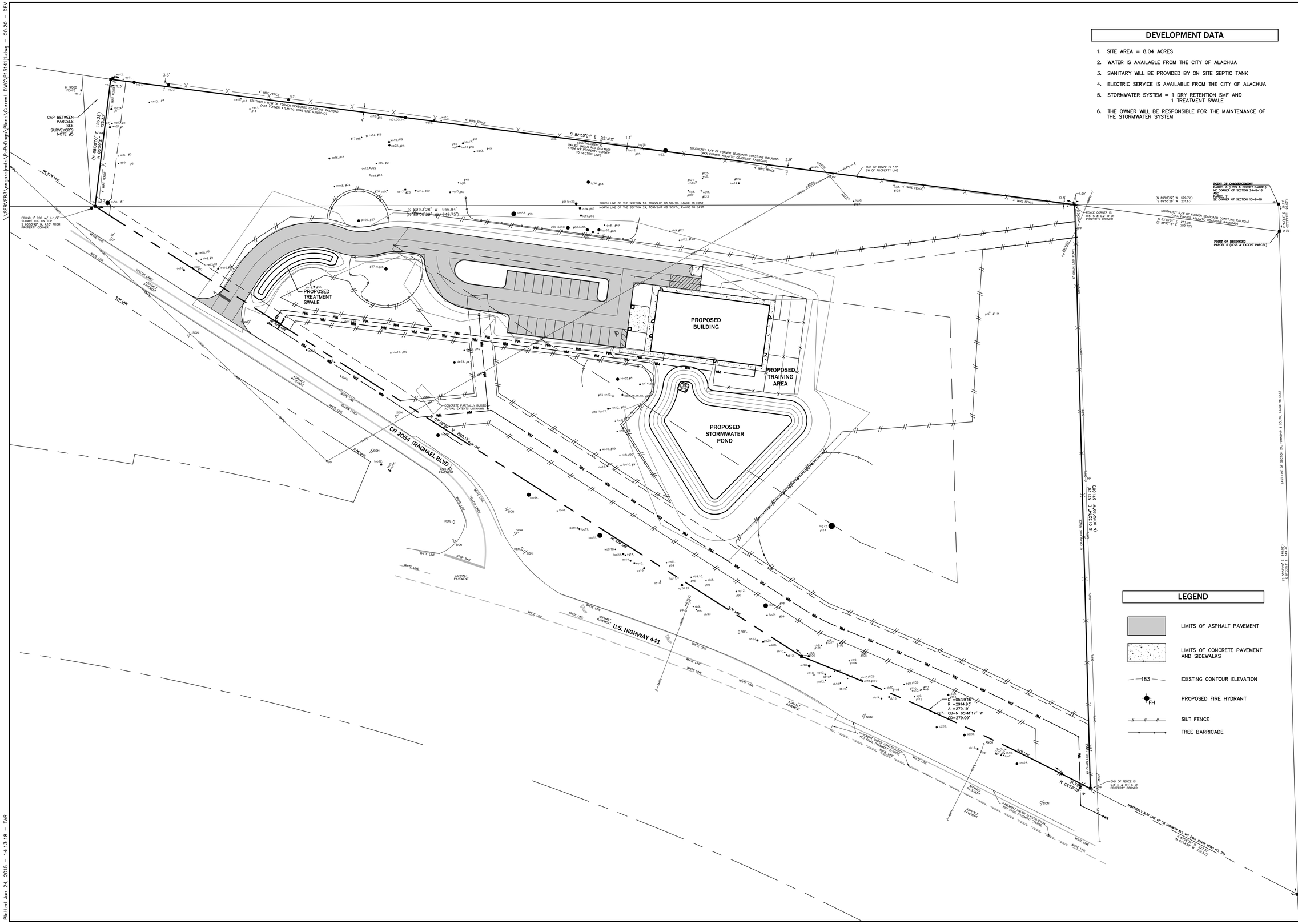
Project No: 15-141 | Date: 5/28/15

Professional Engineer of Record:

Christopher A. Gmuer, Engineer — Certificate No. 71599

Sheet No.: C0.10

\\SERVER3\engprojects\PePeDogs\Plans\Current DWG\P15141J.dwg – C0.10 – LEGEND
Plotted Jun 24, 2015 – 14:13:18 – TAR



DEVELOPMENT DATA

1. SITE AREA = 8.04 ACRES
2. WATER IS AVAILABLE FROM THE CITY OF ALACHUA
3. SANITARY WILL BE PROVIDED BY ON SITE SEPTIC TANK
4. ELECTRIC SERVICE IS AVAILABLE FROM THE CITY OF ALACHUA
5. STORMWATER SYSTEM = 1 DRY RETENTION SMF AND 1 TREATMENT SWALE
6. THE OWNER WILL BE RESPONSIBLE FOR THE MAINTENANCE OF THE STORMWATER SYSTEM

No.	Date	Comment

NORTH

SCALE: 1" = 40'

0 20' 40' 80

GRAPHIC SCALE

engineers • surveyors • planners
EB 2389
2404 N.W. 42nd ST. GAINESVILLE, FLORIDA 32606-6602
TEL: (352) 377-6940 FAX: (352) 377-7243
www.edafl.com mail@edafl.com

Project: PEPEDOGS

Sheet title: DEVELOPMENT PLAN

Project phase: CITY SECOND SUBMITTAL

Designed: CAG | Drawn: JAB

Project No: 15-141 | Date: 5/28/15

Professional Engineer of Record:

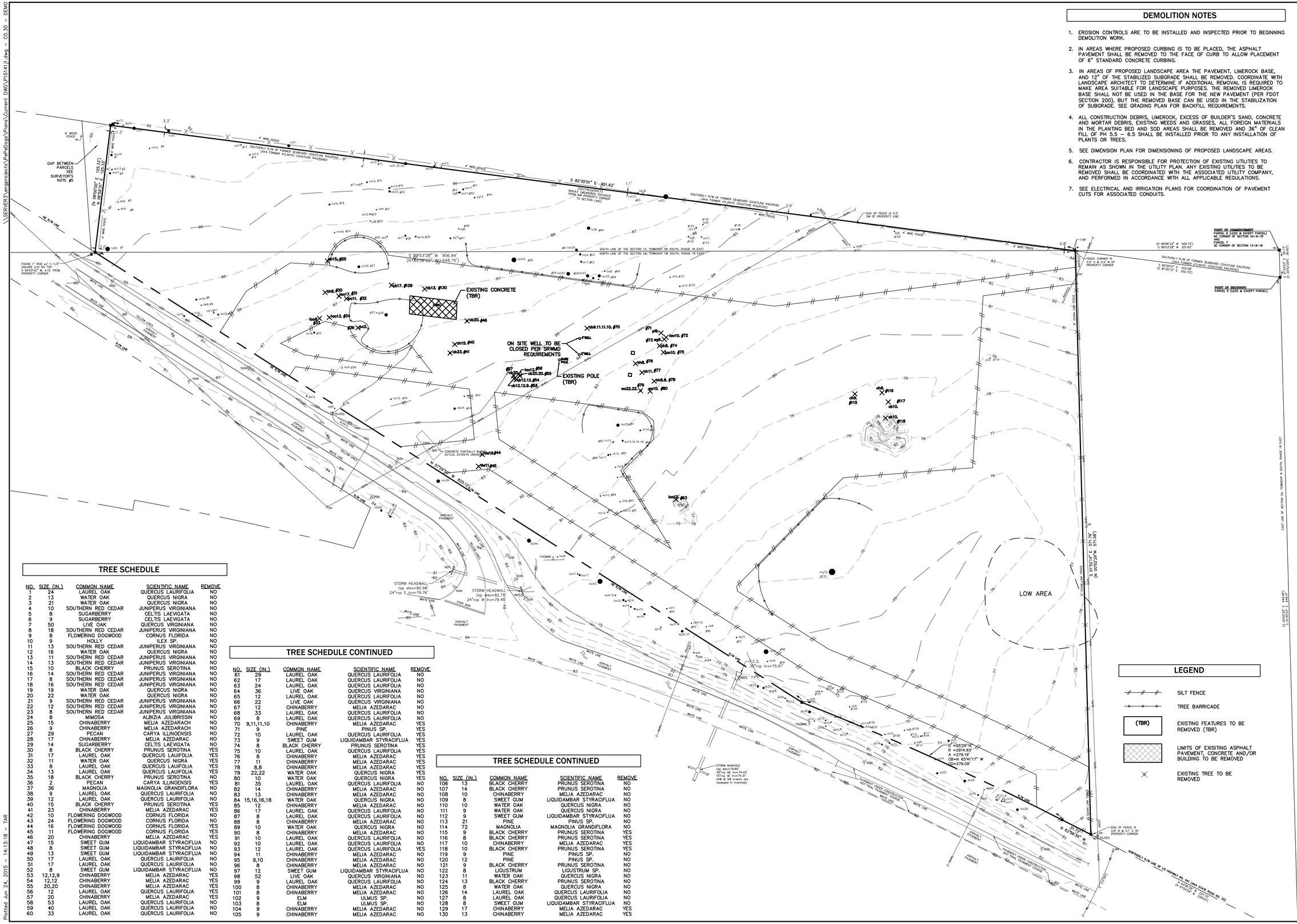
Christopher A. Gmuer
Engineer

71599
Certificate No.

Sheet No.: C0.20

\\SERVER3\engprojects\PePeDogs\Plans\Current DWG\P15141jl.dwg – C0.20 – DEV

Plotted Jun 24, 2015 – 14:13:18 – TAR



DEMOLITION NOTES

1. EROSION CONTROLS ARE TO BE INSTALLED AND INSPECTED PRIOR TO BEGINNING DEMOLITION WORK.
2. IN AREAS WHERE PROPOSED CURBING IS TO BE PLACED, THE ASPHALT PAVEMENT SHALL BE REMOVED TO THE FACE OF CURB TO ALLOW PLACEMENT OF 6" STANDARD CONCRETE CURBING.
3. IN AREAS OF PROPOSED LANDSCAPE AREA THE PAVEMENT, LIMEROCK BASE, AND 12" OF THE STABILIZED SUBGRADE SHALL BE REMOVED. COORDINATE WITH LANDSCAPE ARCHITECT TO DETERMINE IF ADDITIONAL REMOVAL IS REQUIRED TO MAKE AREA SUITABLE FOR LANDSCAPE PURPOSES. THE REMOVED LIMEROCK BASE SHALL NOT BE USED IN THE BASE FOR THE NEW PAVEMENT (PER FDOT SECTION 200), BUT THE REMOVED BASE CAN BE USED IN THE STABILIZATION OF SUBGRADE. SEE GRADING PLAN FOR BACKFILL REQUIREMENTS.
4. ALL CONSTRUCTION DEBRIS, LIMEROCK, EXCESS OF BUILDER'S SAND, CONCRETE AND MORTAR DEBRIS, EXISTING WEEDS AND GRASSES, ALL FOREIGN MATERIALS IN THE PLANTING BED AND SOD AREAS SHALL BE REMOVED AND 36" OF CLEAN FILL OF PH 5.5 – 6.5 SHALL BE INSTALLED PRIOR TO ANY INSTALLATION OF PLANTS OR TREES.
5. SEE DIMENSION PLAN FOR DIMENSIONING OF PROPOSED LANDSCAPE AREAS.
6. CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF EXISTING UTILITIES TO REMAIN AS SHOWN IN THE UTILITY PLAN. ANY EXISTING UTILITIES TO BE REMOVED SHALL BE COORDINATED WITH THE ASSOCIATED UTILITY COMPANY, AND PERFORMED IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS.
7. SEE ELECTRICAL AND IRRIGATION PLANS FOR COORDINATION OF PAVEMENT CUTS FOR ASSOCIATED CONDUITS.

TREE SCHEDULE

NO.	SIZE (IN.)	COMMON NAME	SCIENTIFIC NAME	REMOVE
1	24	LAUREL OAK	QUERCUS LAURIFOLIA	NO
2	13	WATER OAK	QUERCUS NIGRA	NO
3	21	WATER OAK	QUERCUS NIGRA	NO
4	10	SOUTHERN RED CEDAR	JUNIPERUS VIRGINIANA	NO
5	8	SUGARBERRY	CELTIS LAEVIGATA	NO
6	9	SUGARBERRY	CELTIS LAEVIGATA	NO
7	50	LIVE OAK	QUERCUS VIRGINIANA	NO
8	18	SOUTHERN RED CEDAR	JUNIPERUS VIRGINIANA	NO
9	8	FLOWERING DOGWOOD	CORNUS FLORIDA	NO
10	9	HOLLY	ILEX SP.	NO
11	13	SOUTHERN RED CEDAR	JUNIPERUS VIRGINIANA	NO
12	16	WATER OAK	QUERCUS NIGRA	NO
13	11	SOUTHERN RED CEDAR	JUNIPERUS VIRGINIANA	NO
14	13	SOUTHERN RED CEDAR	JUNIPERUS VIRGINIANA	NO
15	10	BLACK CHERRY	PRUNUS SEROTINA	NO
16	14	SOUTHERN RED CEDAR	JUNIPERUS VIRGINIANA	NO
17	8	SOUTHERN RED CEDAR	JUNIPERUS VIRGINIANA	NO
18	16	SOUTHERN RED CEDAR	JUNIPERUS VIRGINIANA	NO
19	19	WATER OAK	QUERCUS NIGRA	NO
20	22	WATER OAK	QUERCUS NIGRA	NO
21	9	SOUTHERN RED CEDAR	JUNIPERUS VIRGINIANA	NO
22	12	SOUTHERN RED CEDAR	JUNIPERUS VIRGINIANA	NO
23	8	SOUTHERN RED CEDAR	JUNIPERUS VIRGINIANA	NO
24	8	MIMOSA	ALBIZIA JULIBRISSIN	NO
25	15	CHINABERRY	MELIA AZEDARACH	NO
26	9	CHINABERRY	MELIA AZEDARACH	NO
27	29	PECAN	CARYA ILLINOENSIS	NO
28	17	CHINABERRY	MELIA AZEDARAC	NO
29	14	SUGARBERRY	CELTIS LAEVIGATA	NO
30	8	BLACK CHERRY	PRUNUS SEROTINA	YES
31	17	LAUREL OAK	QUERCUS LAUIFOLIA	YES
32	11	WATER OAK	QUERCUS NIGRA	YES
33	8	LAUREL OAK	QUERCUS LAURIFOLIA	YES
34	13	LAUREL OAK	QUERCUS LAUIFOLIA	YES
35	18	BLACK CHERRY	PRUNUS SEROTINA	NO
36	2	PECAN	CARYA ILLINOENSIS	YES
37	36	MAGNOLIA	MAGNOLIA GRANDIFLORA	NO
38	9	LAUREL OAK	QUERCUS LAURIFOLIA	NO
39	12	LAUREL OAK	QUERCUS LAURIFOLIA	NO
40	15	BLACK CHERRY	PRUNUS SEROTINA	YES
41	23	CHINABERRY	MELIA AZEDARAC	YES
42	10	FLOWERING DOGWOOD	CORNUS FLORIDA	NO
43	24	FLOWERING DOGWOOD	CORNUS FLORIDA	NO
44	16	FLOWERING DOGWOOD	CORNUS FLORIDA	YES
45	11	FLOWERING DOGWOOD	CORNUS FLORIDA	YES
46	20	CHINABERRY	MELIA AZEDARAC	YES
47	15	SWEET GUM	LIQUIDAMBAR STYRACIFLUA	NO
48	8	SWEET GUM	LIQUIDAMBAR STYRACIFLUA	NO
49	13	SWEET GUM	LIQUIDAMBAR STYRACIFLUA	NO
50	17	LAUREL OAK	QUERCUS LAURIFOLIA	NO
51	17	LAUREL OAK	QUERCUS LAURIFOLIA	NO
52	8	SWEET GUM	LIQUIDAMBAR STYRACIFLUA	NO
53	12,12,9	CHINABERRY	MELIA AZEDARAC	YES
54	12,12	CHINABERRY	MELIA AZEDARAC	YES
55	20,20	CHINABERRY	MELIA AZEDARAC	YES
56	12	LAUREL OAK	QUERCUS LAURIFOLIA	YES
57	20	CHINABERRY	MELIA AZEDARAC	YES
58	53	LAUREL OAK	QUERCUS LAURIFOLIA	NO
59	40	LAUREL OAK	QUERCUS LAURIFOLIA	NO
60	33	LAUREL OAK	QUERCUS LAURIFOLIA	NO

TREE SCHEDULE CONTINUED

NO.	SIZE (IN.)	COMMON NAME	SCIENTIFIC NAME	REMOVE
61	29	LAUREL OAK	QUERCUS LAURIFOLIA	NO
62	17	LAUREL OAK	QUERCUS LAURIFOLIA	NO
63	24	LAUREL OAK	QUERCUS LAURIFOLIA	NO
64	36	LIVE OAK	QUERCUS VIRGINIANA	NO
65	12	LAUREL OAK	QUERCUS LAURIFOLIA	NO
66	22	LIVE OAK	QUERCUS VIRGINIANA	NO
67	12	CHINABERRY	MELIA AZEDARAC	NO
68	33	LAUREL OAK	QUERCUS LAURIFOLIA	NO
69	8	LAUREL OAK	QUERCUS LAURIFOLIA	NO
70	9,11,11,10	CHINABERRY	MELIA AZEDARAC	YES
71	9	PINE	PINUS SP.	YES
72	10	LAUREL OAK	QUERCUS LAURIFOLIA	YES
73	9	SWEET GUM	LIQUIDAMBAR STYRACIFLUA	YES
74	8	BLACK CHERRY	PRUNUS SEROTINA	YES
75	10	LAUREL OAK	QUERCUS LAURIFOLIA	YES
76	8	CHINABERRY	MELIA AZEDARAC	YES
77	11	CHINABERRY	MELIA AZEDARAC	YES
78	8,8	CHINABERRY	MELIA AZEDARAC	YES
79	22,22	WATER OAK	QUERCUS NIGRA	YES
80	10	WATER OAK	QUERCUS NIGRA	YES
81	35	LAUREL OAK	QUERCUS LAURIFOLIA	NO
82	14	CHINABERRY	MELIA AZEDARAC	NO
83	13	CHINABERRY	MELIA AZEDARAC	NO
84	15,16,16,18	WATER OAK	QUERCUS NIGRA	NO
85	12	CHINABERRY	MELIA AZEDARAC	NO
86	17	LAUREL OAK	QUERCUS LAURIFOLIA	NO
87	8	LAUREL OAK	QUERCUS LAURIFOLIA	NO
88	8	CHINABERRY	MELIA AZEDARAC	NO
89	10	WATER OAK	QUERCUS NIGRA	NO
90	8	CHINABERRY	MELIA AZEDARAC	NO
91	10	LAUREL OAK	QUERCUS LAURIFOLIA	NO
92	10	LAUREL OAK	QUERCUS LAURIFOLIA	NO
93	12	LAUREL OAK	QUERCUS LAURIFOLIA	YES
94	11	CHINABERRY	MELIA AZEDARAC	NO
95	9,10	CHINABERRY	MELIA AZEDARAC	NO
96	8	CHINABERRY	MELIA AZEDARAC	NO
97	12	SWEET GUM	LIQUIDAMBAR STYRACIFLUA	NO
98	52	LIVE OAK	QUERCUS VIRGINIANA	NO
99	9	LAUREL OAK	QUERCUS LAURIFOLIA	NO
100	8	CHINABERRY	MELIA AZEDARAC	NO
101	8	CHINABERRY	MELIA AZEDARAC	NO
102	9	ELM	ULMUS SP.	NO
103	8	ELM	ULMUS SP.	NO
104	9	CHINABERRY	MELIA AZEDARAC	NO
105	9	CHINABERRY	MELIA AZEDARAC	NO

TREE SCHEDULE CONTINUED

NO.	SIZE (IN.)	COMMON NAME	SCIENTIFIC NAME	REMOVE
106	13	BLACK CHERRY	PRUNUS SEROTINA	NO
107	14	BLACK CHERRY	PRUNUS SEROTINA	NO
108	10	CHINABERRY	MELIA AZEDARAC	NO
109	8	SWEET GUM	LIQUIDAMBAR STYRACIFLUA	NO
110	10	WATER OAK	QUERCUS NIGRA	NO
111	9	WATER OAK	QUERCUS NIGRA	NO
112	9	SWEET GUM	LIQUIDAMBAR STYRACIFLUA	NO
113	21	PINE	PINUS SP.	NO
114	72	MAGNOLIA	MAGNOLIA GRANDIFLORA	NO
115	9	BLACK CHERRY	PRUNUS SEROTINA	YES
116	8	BLACK CHERRY	PRUNUS SEROTINA	YES
117	10	CHINABERRY	MELIA AZEDARAC	YES
118	10	BLACK CHERRY	PRUNUS SEROTINA	YES
119	9	PINE	PINUS SP.	NO
120	12	PINE	PINUS SP.	NO
121	9	BLACK CHERRY	PRUNUS SEROTINA	NO
122	8	LIGUSTRUM	LIGUSTRUM SP.	NO
123	11	WATER OAK	QUERCUS NIGRA	NO
124	13	BLACK CHERRY	PRUNUS SEROTINA	NO
125	8	WATER OAK	QUERCUS NIGRA	NO
126	14	LAUREL OAK	QUERCUS LAURIFOLIA	NO
127	8	LAUREL OAK	QUERCUS LAURIFOLIA	NO
128	8	SWEET GUM	LIQUIDAMBAR STYRACIFLUA	NO
129	17	CHINABERRY	MELIA AZEDARAC	YES
130	13	CHINABERRY	MELIA AZEDARAC	YES

LEGEND

- SILT FENCE
- TREE BARRICADE
- (TBR) — EXISTING FEATURES TO BE REMOVED (TBR)
- LIMITS OF EXISITING ASPHALT PAVEMENT, CONCRETE AND/OR BUILDING TO BE REMOVED
- EXISTING TREE TO BE REMOVED

No.	Date	Comment

NORTH

SCALE: 1" = 40'

0 20' 40' 80'

GRAPHIC SCALE

eda
engineers • surveyors • planners
EB 2389
2404 N.W. 43rd ST, GAINESVILLE, FLORIDA 32606-6602
TEL: (352) 373-3541 FAX: (352) 373-7249
www.eda.fl.com mail@eda.fl.com

Project: PEPEDOGS

Sheet title: TREE CLEARING AND DEMOLITION PLAN

Project phase: CITY SECOND SUBMITTAL

Designed: CAG | Drawn: JAB

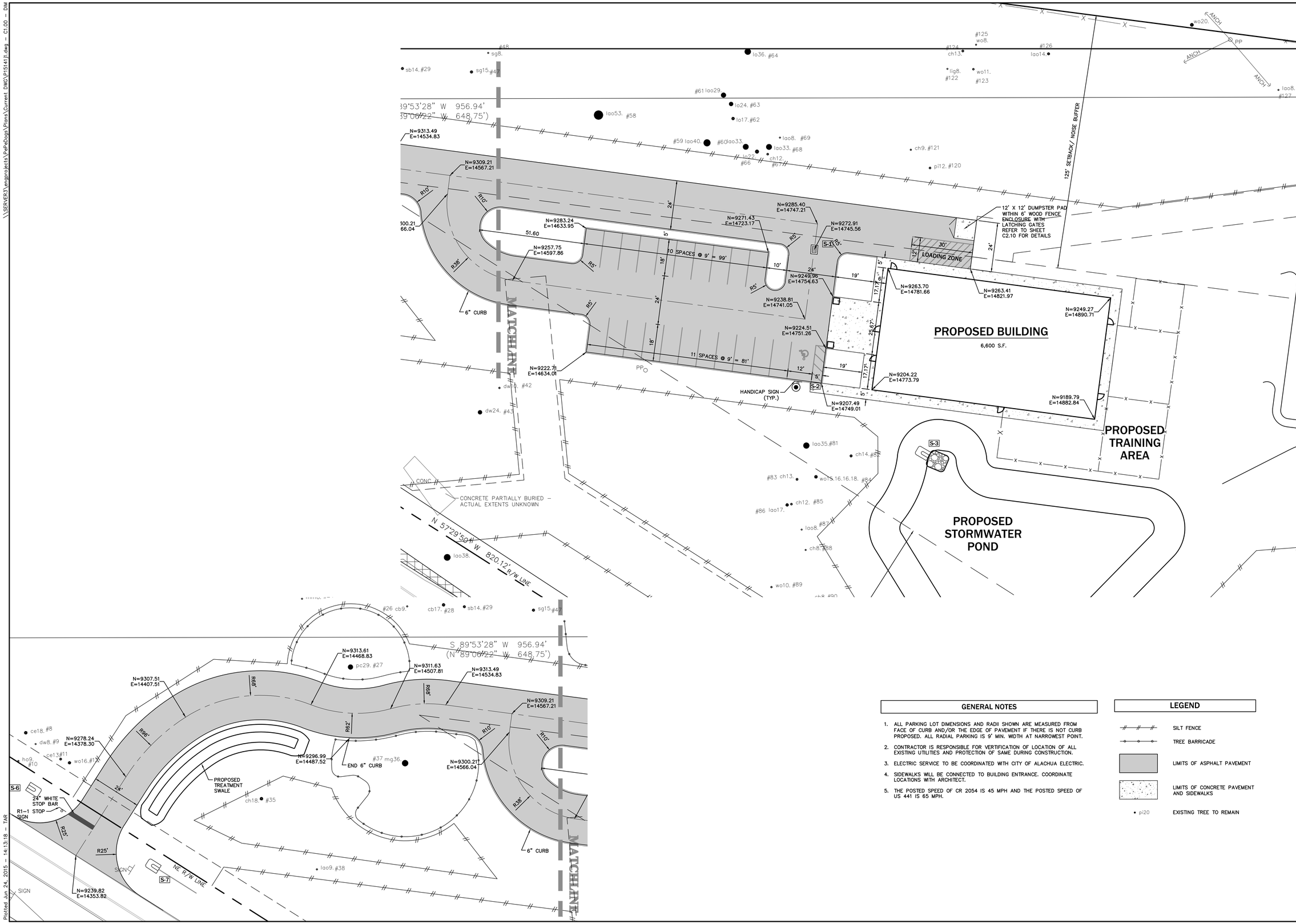
Project No: 15-141 | Date: 5/28/15

Professional Engineer of Record:

Christopher A. Gruver, Engineer — Certificate No. 71599

Sheet No.: C0.30

\\SERVER3\engprojects\PePeDogs\Plans\Current DWG\P15141jl.dwg – C0.30 – DEMO
Plotted Jun 24, 2015 – 14:13:18 – TAR



GENERAL NOTES

1. ALL PARKING LOT DIMENSIONS AND RADII SHOWN ARE MEASURED FROM FACE OF CURB AND/OR THE EDGE OF PAVEMENT IF THERE IS NOT CURB PROPOSED. ALL RADIAL PARKING IS 9' MIN. WIDTH AT NARROWEST POINT.
2. CONTRACTOR IS RESPONSIBLE FOR VERTIFICATION OF LOCATION OF ALL EXISTING UTILITIES AND PROTECTION OF SAME DURING CONSTRUCTION.
3. ELECTRIC SERVICE TO BE COORDINATED WITH CITY OF ALACHUA ELECTRIC.
4. SIDEWALKS WILL BE CONNECTED TO BUILDING ENTRANCE. COORDINATE LOCATIONS WITH ARCHITECT.
5. THE POSTED SPEED OF CR 2054 IS 45 MPH AND THE POSTED SPEED OF US 441 IS 65 MPH.

LEGEND

- SILT FENCE
- TREE BARRICADE
- LIMITS OF ASPHALT PAVEMENT
- LIMITS OF CONCRETE PAVEMENT AND SIDEWALKS
- pi20 EXISTING TREE TO REMAIN

NORTH

SCALE: 1" = 20'

0 10' 20' 40'

GRAPHIC SCALE

eda
engineers • surveyors • planners
EB 2389
2404 N.W. 43rd ST. GAINESVILLE, FLORIDA 32606-6602
TEL: (352) 373-3541 FAX: (352) 373-7724
www.eda-fl.com mail@eda-fl.com

No.	Date	Comment

Project: PEPEDOGS

Sheet title: DIMENSION PLAN

Project phase: CITY SECOND SUBMITTAL

Designed: CAG | Drawn: JAB

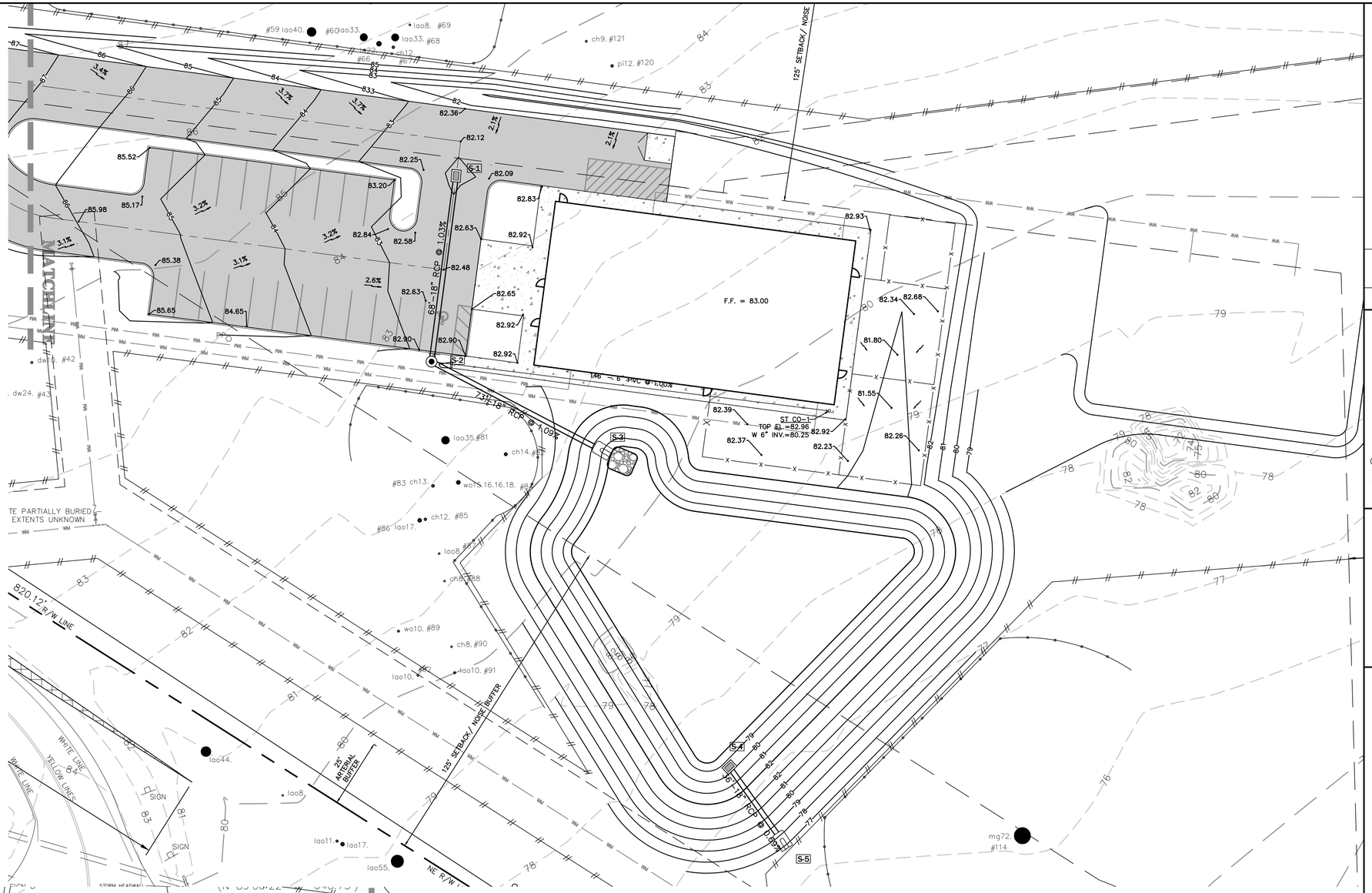
Project No: 15-141 | Date: 5/28/15

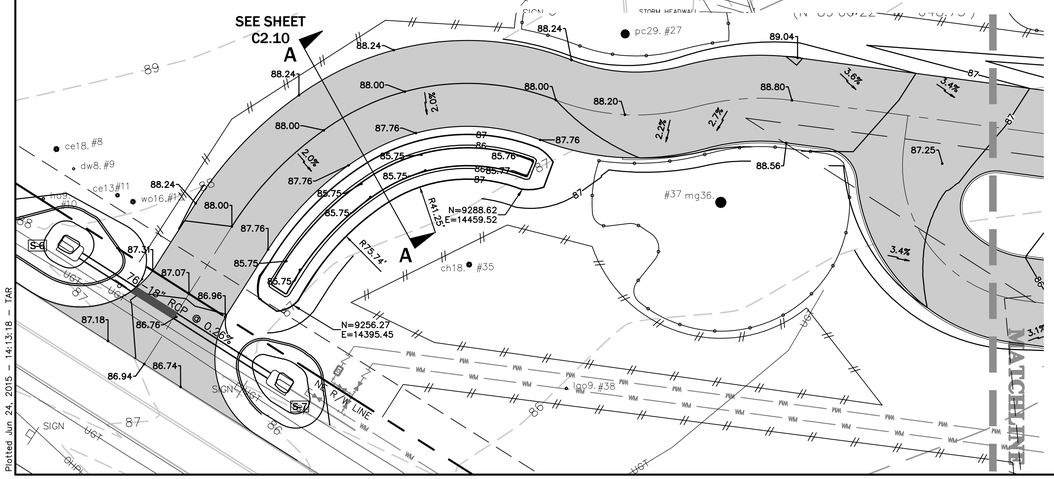
Professional Engineer of Record:

Christopher A. Gmuer, Engineer — 71599, Certificate No.

Sheet No.: C1.00

\\SERVER3\engprojects\PePeDogs\Plans\Current DWG\P15141jl.dwg – C1.00 – DIM
Plotted Jun 24, 2015 – 14:13:18 – TAR





STORMWATER STRUCTURE SCHEDULE	
STRUCTURE	STRUCTURE DATA
S-1 TYPE C INLET	TOP EL.=81.88 S 18" INV.=79.50
S-2 P8 MANHOLE	TOP EL.=82.74 SE 18" INV.=78.80 N 18" INV.=78.80 E 6" INV.=78.80
S-3 MITERED END SECTION	NW 18" INV.=78.00
S-4 DISCHARGE STRUCTURE SEE SHEET C2.20	SE 18" INV.=77.00
S-5 MITERED END SECTION	NW 18" INV.=76.75
S-6 MITERED END SECTION	SE 18" INV.=84.00
S-7 MITERED END SECTION	NW 18" INV.=83.80
ST CO-1 STORM CLEANOUT	W 6" INV.=80.25

LEGEND

- SILT FENCE
- TREE BARRICADE
- LIMITS OF ASPHALT PAVEMENT
- LIMITS OF CONCRETE PAVEMENT AND SIDEWALKS
- 183 — EXISTING CONTOUR ELEVATION
- 183 — PROPOSED CONTOUR ELEVATION
- FH — PROPOSED FIRE HYDRANT
- 180.00 × — EXISTING SPOT ELEVATION
- 180.00 • — PROPOSED SPOT ELEVATION

No.	Date	Comment

NORTH

SCALE: 1" = 20'

0 10' 20' 40'

GRAPHIC SCALE

engineers • surveyors • planners
EB 2389
2404 N.W. 42nd ST. GAINESVILLE, FLORIDA 32605-6602
TEL: (352) 377-6314 FAX: (352) 377-2819
www.edafl.com mail@edafl.com

Project: PEPEDOGS

Sheet title: PAVING, GRADING AND DRAINAGE PLAN

Project phase: CITY SECOND SUBMITTAL

Designed: CAG | Drawn: JAB

Project No: 15-141 | Date: 5/28/15

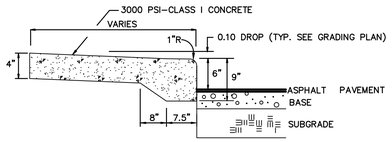
Professional Engineer of Record:

Christopher A. Gmuer, Engineer — Certificate No. 71599

Sheet No.: C2.00

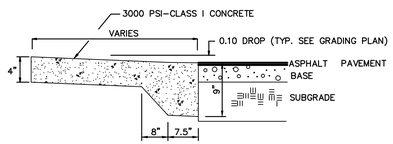
Plotted Jun 24, 2015 – 14:13:18 – TAR

\\SERVER3\engprojects\PePeDogs\Plans\Current DWG\P15141jl.dwg – C2.00 – PGD



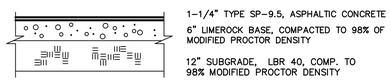
TYPICAL STEPUP SIDEWALK

N.T.S.



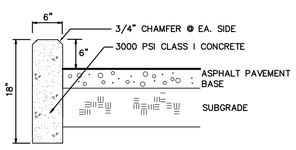
TYPICAL FLUSH SIDEWALK

N.T.S.



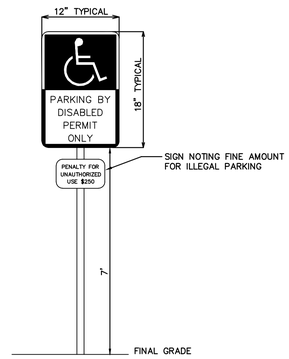
TYPICAL ASPHALT PAVEMENT DETAIL

N.T.S.



6" STANDARD CURB DETAIL

N.T.S.

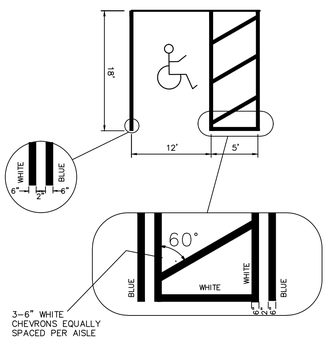


SIGN NOTES:

1. SIGN TO BE MADE OF 0.063" STEEL PAINTED WITH TRAFFIC PAINT
2. HANDICAP SIGN TO BE AS SHOWN ABOVE OR AS REQUIRED BY LOCAL CODE PAINT SIGN BLUE AND WHITE

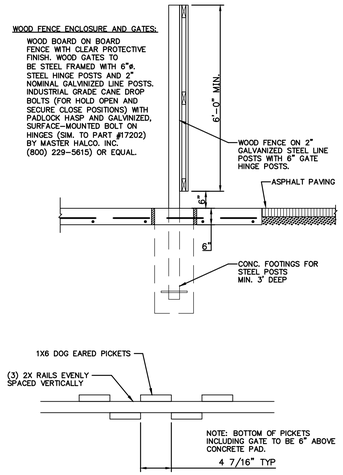
HANDICAP PARKING SIGN DETAIL

N.T.S.



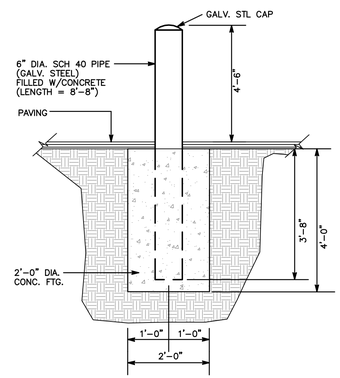
HANDICAP STRIPING DETAIL

N.T.S.



FENCE DETAIL FOR DUMPSTER SCREENING

N.T.S.

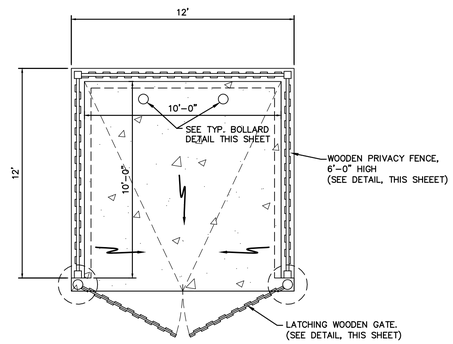


BOLLARD DETAIL

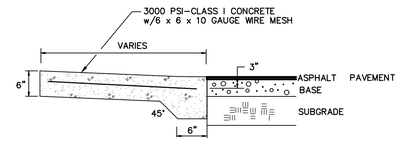
N.T.S.

SOLID WASTE STORAGE FACILITY NOTES

1. THE SOLID WASTE STORAGE FACILITY SHALL BE COMPLETELY SCREENED FROM VIEW BY AN OPAQUE ENCLOSURE OF WOOD.
2. ALL SCREENING SHALL BE 6 FEET HEIGHT.



PLAN VIEW
N.T.S.



DUMPSTER AND CONCRETE PAD DETAIL

N.T.S.

PAVING, GRADING AND DRAINAGE SPECIFICATIONS

1. GENERAL: ALL ROADWAY AND DRAINAGE CONSTRUCTION, INCLUDING MATERIALS, CONSTRUCTION TECHNIQUES, AND TECHNICAL STANDARDS, SHALL BE IN ACCORDANCE WITH THE LATEST F.D.O.T. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AND THE LATEST F.D.O.T. ROADWAY AND TRAFFIC DESIGN STANDARDS.

2. ALL AREAS OF NEW CONSTRUCTION SHALL BE PREPARED AFTER SITE DEMOLITION. TOP SOIL REMAINING ONSITE MAY BE STOCKPILED FOR FINE GRADING IN LANDSCAPED AREAS, IF SUITABLE. THE CONTRACTOR SHALL FURNISH ALL FILL REQUIRED AND DISPOSE OF ALL EXCESS OR UNSUITABLE MATERIAL OFFSITE IN ACCORDANCE WITH ALL REGULATORY REQUIREMENTS.

3. ALL NEW ASPHALT PAVEMENT CONSTRUCTION SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS:

   A. EARTHWORK: FILL MATERIALS SHALL CONFORM TO AASHTO SOIL GROUPS A-1, A-3, OR A-2-4 AND SHALL BE PLACED IN 6"-12" LOOSE LIFTS AND COMPACTED TO 98% DENSITY USING MODIFIED PROCTOR METHOD (AASHTO T-180).

   B. SUBSOIL EXCAVATION: WHERE SUBSOIL EXCAVATION IS REQUIRED, UNSUITABLE MATERIALS SHALL BE REMOVED TO A DEPTH OF 18" BELOW THE LIMEROCK BASE AND BACKFILLED WITH CLEAN FILL.

   C. STABILIZED SUBGRADE: ALL STABILIZED MATERIAL SHALL BE TYPE 'B' CONFORMING TO SECTION 914-3 AND PLACED ACCORDING TO SECTION 160 IN ONE 12" MINIMUM COMPACTED LIFT. SUBGRADE SHALL BE STABILIZED TO A MINIMUM LBR VALUES AND DENSITIES AS SHOWN IN THE TYPICAL SECTIONS.

   D. BASE COURSE: ALL MATERIAL SHALL BE LIMEROCK CONFORMING TO SECTION 911 AND PLACED ACCORDING TO SECTION 200 IN ONE 6" MINIMUM COMPACTED LIFT OR DOUBLE COMPACTED LIFT. ALL BASE MATERIAL SHALL BE COMPACTED TO 98% DENSITY BY MODIFIED PROCTOR METHOD (AASHTO T-180). THE PRIME COAT SHALL CONFORM TO SECTION 300.

   E. ASPHALTIC CONCRETE: ALL ASPHALTIC CONCRETE MATERIAL SHALL BE AS PER DESIGN SECTIONS AND SHALL CONFORM TO SECTION 334. ALL ASPHALTIC CONCRETE CONSTRUCTION SHALL CONFORM TO SECTION 330. ASPHALT PAVEMENT SHALL BE SUPERPAVE SP-PG 67-22 ASPHALT BINDER. NO RAP (RECLAIMED ASPHALT PAVEMENT) MATERIAL IS ALLOWED TO BE USED IN ASPHALT MIX.

4. ALL CONCRETE USED FOR CONSTRUCTION OF DRAINAGE STRUCTURES, SIDEWALKS, AND CURBING SHALL BE CLASS I CONFORMING TO SECTION 346.

5. REINFORCED CONCRETE PIPE SHALL CONFORM TO SECTION 430.

6. ALL PAVEMENT MARKINGS REQUIRED IN THE R/W SHALL BE THERMOPLASTIC AND INCLUDE RAISED PAVEMENT MARKERS, WHERE REQUIRED CONFORMING TO SECTION 711.

7. ALL PAVEMANT MARKING, SYMBOLS AND STRIPING WITHIN THE SITE SHALL MEET THE LATEST FLORIDA HANDICAP ACCESSIBILLITY CODE. PAVEMENT MARKING SHALL BE 4" BLUE/WHITE (HANDICAP) OR WHITE (REGULAR) AND SHALL CONFORM TO THE LATEST F.D.O.T. AND M.U.T.C.D. STANDARDS.

8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A GEOTECHNICAL CONSULTANT TO PROVIDE A FIELD INVESTIGATION REPORT DELINEATING RECOMMENDATIONS FOR UNDERCUTTING AND/OR UNDERDRAINS. A COPY OF THIS REPORT SHALL BE FORWARDED TO THE OWNER AND ENGINEER FOR REVIEW AND APPROVAL PRIOR TO UNDERCUTTING OR INSTALLING UNDERDRAIN. UNIT PRICES SHALL BE PROVIDED FOR UNDERDRAIN AND UNDERCUTTING. THE CONTRACTOR SHALL NOT CONSTRUCT BASE COURSE UNTIL THE REPORT IS REVIEWED AND APPROVED BY THE OWNER AND THE ENGINEER.

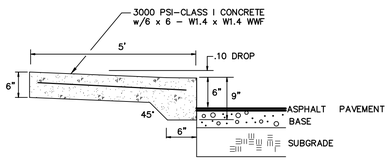
9. SOIL TESTING RESULTS SHALL BE PROVIDED FOR THE PAVEMENT CONSTRUCTION. TESTING RESULTS SHALL BE SUBMITTED FOR THE SUBGRADE AND BASE COURSE, IN ACCORDANCE WITH THE DESIGN SECTION. A MINIMUM OF 5 TEST LOCATIONS SHALL BE PROVIDED ONSITE. THE TESTING REPORT SHALL DENOTE THE TEST LOCATIONS. THE CONTRACTOR SHALL NOT PROCEED TO THE SUBSEQUENT PAVEMENT SECTION UNTIL TESTING -RESULTS ARE APPROVED FOR PREVIOUS SECTION. ALL TESTING REQUIRED WITHIN THE COUNTY R/W SHALL BE COORDINATED WITH THE COUNTY INSPECTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TESTING COST.

10. LANDSCAPING: FINAL GRADING IN OPEN AREAS AND LANDSCAPE ISLANDS SHALL BE COORDINATED WITH THE LANDSCAPE CONTRACTOR AND THE OWNER. THE CONTRACTOR SHALL ALSO COORDINATE THE PLACEMENT OF ANY IRRIGATION AND ELECTRICAL CONDUIT SLEEVES DURING CONSTRUCTION.

11. ROOF RUNOFF WILL BE DIRECTED TO THE STORMWATER SYSTEM IF A GUTTER COLLECTION SYSTEM IS NOT SHOWN IN THE PLANS. RUNOFF COLLECTION SHALL BE COORDINATED WITH THE ARCHITECT.

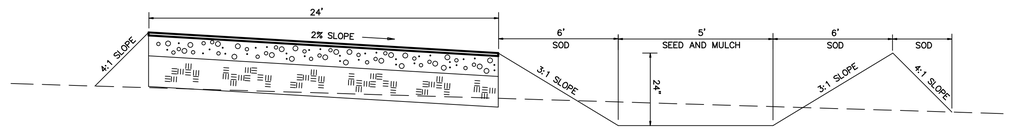
12. REMOVAL OF ALL CONSTRUCTION DEBRIS, LIMEROCK, EXCESS OF BUILDERS SAND, CONCRETE AND MORTAR DEBRIS, EXISTING WEEDS AND GRASSES, AND ALL FOREIGN MATERIALS IN THE PLANTING BED AND SOD AREAS IS THE RESPONSIBILITY OF THE SITE WORK CONTRACTOR. SOIL IN AREAS TO BE LANDSCAPED SHALL BE UNCOMPACTED, SUITABLE FOR ROOT GROWTH WITH APPROPRIATE AMOUNTS OF ORGANIC MATTER, AND OF pH 5.5-6.5.

13. TREE BARRICADES MUST REMAIN IN PLACE AND IN THE DIMENSIONS SHOWN ON THE PLAN UNTIL LANDSCAPING BEGINS. SEE NOTE ON SHEET C0.20 AND THE DETAIL ON THE LANDSCAPE PLAN.



CONCRETE DUMPSTER PAD DETAIL

N.T.S.



ENTRANCE ROAD TYPICAL CROSS SECTION A - A

N.T.S.

No.	Date	Comment

SCALES:
AS SHOWN

engineers • surveyors • planners
EB 2389
2404 N.W. 43rd ST, GAINESVILLE, FLORIDA 32606-6602
TEL: (352) 373-3541 FAX: (352) 373-7268
www.edail.com mail@edail.com

Project:
PEPEDOGS

Sheet title:
PAVING, GRADING AND DRAINAGE
DETAILS & NOTES

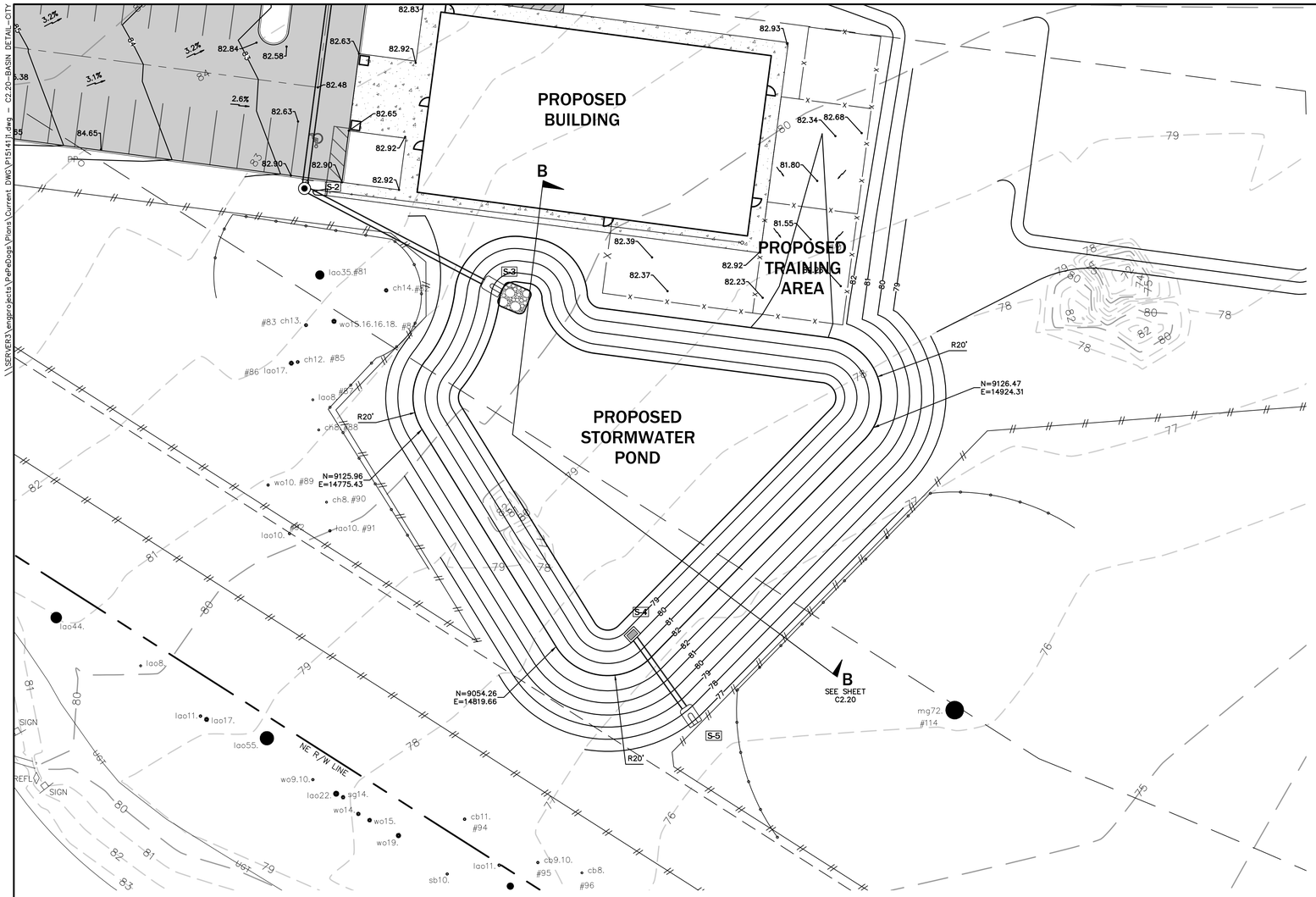
Project phase:
CITY SECOND SUBMITTAL

Designed: CAG | Drawn: JAB
Project No: 15-141 | Date: 5/28/15

Professional Engineer of Record:
Christopher A. Gmuer
Engineer
71599
Certificate No.

Sheet No.:
C2.10

\\SERVER3\engprojects\PePeDogs\Plans\Current DWG\P15141J1.dwg - C2.10-PGD DETAILS-CITY
Plotted Jun 24, 2015 - 14:13:18 - TAR



MAINTENANCE NOTES

1. MAINTENANCE RESPONSIBILITY:

   PEPE DOGS WILL BE THE ENTITY RESPONSIBLE FOR THE MAINTENANCE OF THE EXISTING STORMWATER MANAGEMENT SYSTEM.

2. MAINTENANCE PLAN:

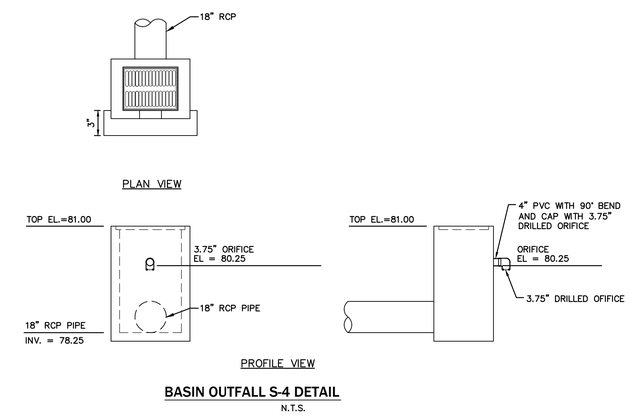
   A. BASINS SHALL BE MOWED REGULARLY TO AVOID EXCESSIVE VEGETATIVE GROWTH. MOWING SCHEDULE SHOULD BE MONTHLY DURING WINTER MONTHS AND MORE FREQUENTLY (BIWEEKLY) DURING SUMMER MONTHS.

   B. BASIN SHALL BE CLEANED OUT ANNUALLY OF ANY ACCUMULATED SEDIMENTATION BUILDUP. IF THE BASINS ARE SHOWING EXCESSIVE SEDIMENTATION ACCUMULATION AT THE BASIN BOTTOM, THE BASIN BOTTOM SHALL BE SCRAPED CLEAN MORE OFTEN AS THE CONDITION DICTATES.

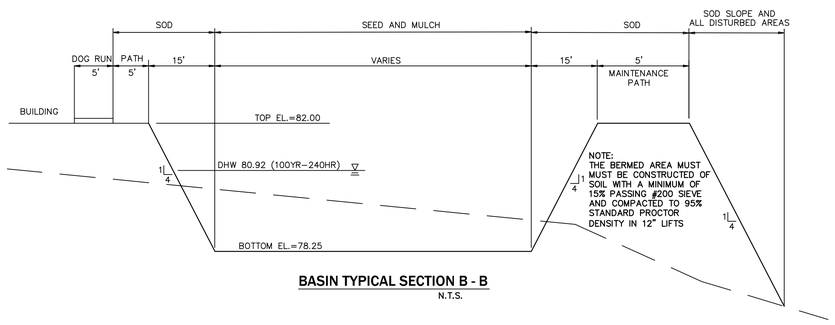
   C. BASIN SIDE SLOPES SHALL BE MAINTAINED WITH A GOOD STAND OF GRASS. SEASONAL GRASSES SHALL BE PLANTED TO AVOID EROSION (WINTER RYE, SUMMER MILLET).

   D. BASIN THAT DO NOT DRAWDOWN PROPERLY AND MAINTAIN STANDING WATER FOR AN EXTENDED PERIOD OF TIME MAY REQUIRE REMEDIAL ACTION. THE ENGINEER SHALL BE NOTIFIED TO HELP COORDINATE REMEDIAL ACTION IN THE EVENT THIS OCCURS.

   E. THE REQUIRED LANDSCAPING SHALL BE MAINTAINED IN A SOUND CONDITION AT ALL TIMES. ANY DEAD LANDSCAPING MATERIALS SHALL BE REPLACED IMMEDIATELY TO ASSURE PUBLIC SAFETY.



BASIN OUTFALL S-4 DETAIL
N.T.S.



BASIN TYPICAL SECTION B - B
N.T.S.

LEGEND

- LIMITS OF ASPHALT PAVEMENT
- LIMITS OF CONCRETE PAVEMENT AND SIDEWALKS
- SILT FENCE
- TREE BARRICADE

No.	Date	Comment

NORTH
SCALE: 1" = 20'
0 10' 20' 40'
GRAPHIC SCALE

eda
engineers • surveyors • planners
EB 2389
2404 N.W. 43rd ST. GAINESVILLE, FLORIDA 32606-6602
TEL: (352) 373-3541 FAX: (352) 373-7724
www.eda-pl.com mail@eda-pl.com

Project: PEPEDOGS

Sheet title: STORMWATER BASIN DETAILS, NOTES & CROSS-SECTIONS

Project phase: CITY SECOND SUBMITTAL

Designed: CAG | Drawn: JAB
Project No: 15-141 | Date: 5/28/15

Professional Engineer of Record:
Christopher A. Gmuer, Engineer
71599, Certificate No.

Sheet No.: C2.20

\\SERVER3\engprojects\PePeDogs\Plans\Current DWG\P15141\l.dwg - C2.20-BASIN DETAIL-CITY
Plotted Jun 24, 2015 - 14:13:18 - TAR

THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) MAY BE MODIFIED AND UPDATED DURING CONSTRUCTION AS A RESULT OF WEATHER, UNPREDICTABLE EVENTS AND SITE INSPECTIONS.

THIS DOCUMENT WAS PREPARED IN ORDER TO BE IN COMPLIANCE WITH CHAPTER 62-621.300 (4) OF THE FLORIDA ADMINISTRATIVE CODE, WHICH PERTAINS TO THE GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES. THE ADMINISTRATIVE CODE GRANTS THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) THE AUTHORITY TO REGULATE POINT SOURCE DISCHARGES OF STORM-WATER FROM CONSTRUCTION SITES. THIS DOCUMENT ESTABLISHES A STORMWATER POLLUTION PREVENTION PLAN FOR THE SITE AND IS ORGANIZED TO CORRESPOND TO PART V OF DEP DOCUMENT No. 62-621.300 (4) (A) FDEP FORM 62-261.300 (4) (B) IS TO BE SUBMITTED IN CONJUNCTION WITH THIS DOCUMENT.

I. PROJECT INFORMATION:

PROJECT: PEPEDOGS
COUNTY: ALACHUA
SECTION/TOWNSHIP/RANGE: S: 13 & 24, T: 8 SOUTH, R: 18 EAST
COUNTY PARCEL NO.: 03203-000-000, 03962-001-000
LATITUDE AND LONGITUDE: 29°47'07.14"N 82°27'38.92"W
STREET ADDRESS: 10908 RACHAEL BLVD. ALACHUA, FLORIDA 326015
PROJECT AREA: 8.04 AC
APPROXIMATE AREA TO BE DISTURBED BY CONSTRUCTION: _1.281_ Ac.

II. SITE DESCRIPTION:

1. THE PROPOSED DEVELOPMENT WILL CONSIST OF THE CONSTRUCTION OF A DOG KENNEL AND TRAINING FACILITY WITH ASSOCIATED PAVING, DRAINAGE AND UTILITY IMPROVEMENTS.

   (THE PROPOSED STORMWATER SYSTEM IS A PROPOSED STORMWATER BASIN LOCATED SOUTH OF THE PROPOSED PROJECT SITE. THE SYSTEM IS A CLOSED (OPEN) SYSTEM WHICH PROVIDES WATER QUALITY, AND FLOOD CONTROL.

2. THE SOIL CONDITIONS WERE INVESTIGATED AND SUMMARIZED IN THE SOILS REPORT PREPARED BY THE UNIVERSAL ENGINEERING SCIENCES. THE PROPOSED DRAINAGE PLAN WILL CONSIST OF 2 DRAINAGE AREAS. AREA (1): 1.140 ACRES OF RUNOFF WILL BE SELF CONTAINED IN BASIN. AREA (2): 0.141 ACRES OF RUNOFF WILL BE TREATED IN A TREATMENT SWALE.

3. EXISTING AND FUTURE DRAINAGE PATTERNS ARE SHOWN IN THE PROPOSED DRAINAGE DESIGN NOTES FOR PRE-DEVELOPMENT CONDITIONS AND POST-DEVELOPMENT CONDITIONS. OUTFALLS, AND STORMWATER BASINS ARE SHOWN IN THE DRAINAGE DESIGN NOTES.

4. SEQUENCE OF CONSTRUCTION:

   A. PRIOR TO CONSTRUCTION, SILT FENCING AND TREE PROTECTION BARRICADES SHALL BE INSTALLED AND ALL EXISTING DRAINAGE STRUCTURES SHALL BE PROTECTED IN ACCORDANCE WITH FDOT FLORIDA EROSION AND SEDIMENTATION CONTROL MANUAL.

   B. THE CONSTRUCTION ENTRANCE(S) WILL BE STABILIZED TO MINIMIZE THE CREATION OF DUST AND OFF SITE TRACKING OF SEDIMENTS.

   C. THE SITE SHALL BE CLEARED AND GRUBBED OF UNDESIRABLE VEGETATION.

   D. THE UNDERGROUND UTILITIES AND STORMWATER PIPING WILL BE INSTALLED AND CONNECTED TO EXISTING STRUCTURES.

   E. THE SITE WILL BE ROUGHLY GRADED. IF SUITABLE, THE EXCAVATED MATERIAL MAY BE USED AS FILL FOR ON-SITE GRADING. THE ROADWAYS SHALL BE GRADED. (THE BASIN AREA SHALL BE STABILIZED AS SPECIFIED IN THE PLANS.)

   F. ROADWAYS AND PARKING LOTS WILL BE COMPACTED AND A LIMEROCK BASE WILL BE ESTABLISHED FOLLOWED BY AN OVERLAY OF ASPHALTIC CONCRETE. BUILDINGS SHALL BE CONSTRUCTED.

   G. UPON SIGNIFICANT COMPLETION OF CONSTRUCTION, THE STORMWATER SYSTEM SHALL BE FLUSHED OUT TO REMOVE ACCUMULATED DEBRIS AND SEDIMENT.

   H. PROPOSED STORMWATER BASIN WILL BE SCRAPED CLEAN OF ACCUMULATED SEDIMENT.

   I. ALL DISTURBED AREAS WITHIN THE CONSTRUCTION AREA SHALL BE COMPLETELY GRASSED AND/OR LANDSCAPED. EVIDENCE OF GROWTH MUST BE PRESENT PRIOR TO REMOVAL OF SILT FENCING AND OTHER EROSION CONTROL APPLICATIONS.

III. CONTROLS:

THE CONTROLS SHALL BE IMPLEMENTED AND MAINTAINED DURING THE ENTIRE CONSTRUCTION OF THE PROJECT. IF SITE CONDITIONS ARE SUCH THAT ADDITIONAL CONTROL MEASURES ARE REQUIRED THAN WHAT IS SPECIFIED IN THE EROSION AND SEDIMENTATION CONTROL PLAN, THEN THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL BEST MANAGEMENT PRACTICES NECESSARY.

1. THE CONSTRUCTION ACCESS SHALL BE STABILIZED WITH GRAVEL AND TEMPORARY VEGETATION TO PREVENT SILT LEAVING THE SITE.

2. TREE BARRICADES SHALL BE IMPLEMENTED BEFORE CLEARING AND GRUBBING OF ANY OF THE WORK AREAS.

3. BEFORE CLEARING, SILT FENCES SHALL BE INSTALLED AROUND THE PERIMETER OF THE CONSTRUCTION AND AROUND THE WETLAND(S) AND/OR BASIN(S) AS SHOWN IN THE PLANS. ALL EXISTING STORM DRAINAGE SWALES AND INLETS SHALL BE PROTECTED PER FDOT FLORIDA EROSION AND SEDIMENTATION CONTROL MANUAL.

4. AFTER CLEARING BUT BEFORE EXCAVATION AND GRADING, TEMPORARY BERMS AND SWALES SHALL BE CONSTRUCTED AS REQUIRED TO DIVERT THE FLOW INTO THE CORRESPONDING STORMWATER BASIN.

5. THE BASIN AREA SHALL BE PROTECTED AS INDICATED ON THE PLANS.

6. THE STORMWATER BASIN SHALL BE ROUGH GRADED TO WITHIN 6" OF THE DESIGNED BASIN BOTTOM. THE BASIN SIDE SLOPES SHALL BE STABILIZED AS SHOWN IN THE PLANS BY SEEDING, MULCHING AND/OR SODDING TO PREVENT EXCESSIVE EROSION.

7. DURING CONSTRUCTION OF PAVING AND BUILDINGS, EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED AS REQUIRED.

8. ALL DISTURBED AREAS WITHIN THE CONSTRUCTION SITE SHALL BE COMPLETELY LANDSCAPED AND/OR GRASSED. FINAL STABILIZATION (INCLUDING SEEDING, MULCHING, SODDING OR RIPRAP) SHALL BE INSTALLED AS REQUIRED. GRASS SEEDING RATES AND MIXTURES SHALL BE PER FDOT INDEX 104. EVIDENCE OF GROWTH MUST BE PRESENT PRIOR TO REMOVAL OF SILT FENCING AND OTHER EROSION CONTROL APPLICATIONS AND PRIOR TO FINAL RELEASE.

IV. EROSION AND SEDIMENTATION CONTROLS:

STABILIZATION PRACTICES.

1. ALL ENTRANCES TO THE SITE SHALL BE STABILIZED BEFORE CONSTRUCTION AND FURTHER DISTURBANCE BEGINS. GRAVEL PAD SHALL PROVIDE STABILIZATION AND MINIMIZE THE AMOUNT OF SEDIMENT LEAVING THE SITE. MAINTENANCE OF THE ENTRANCE SHALL INCLUDE SWEEPING OF THE AREA ADJACENT TO THE ENTRANCE. STONE AND GRAVEL MIGHT NEED TO BE PERIODICALLY ADDED TO MAINTAIN THE EFFECTIVENESS OF THE ENTRANCE(S).

2. TREE BARRICADES SHALL BE INSTALLED AROUND THE TREES AS SHOWN IN THE DETAIL PLAN TO PROTECT THE EXISTING VEGETATION.

3. MULCH SHALL BE PLACED IN THE AREAS REQUIRED TO PREVENT EROSION FROM STORMWATER RUNOFF AND THE AREAS SHOWN ON THE PLANS. MULCH SHALL BE ANCHORED TO RESIST WIND DISPLACEMENT AND SHALL BE INSPECTED AFTER EVERY RAINSTORM TO IDENTIFY AREAS WHERE MULCH HAS BEEN WASHED OUT OR LOOSENED. THESE AREAS SHALL HAVE MULCH COVER REPLACEMENT.

4. SEEDING SHALL BE STARTED AFTER GRADING HAS BEEN FINISHED ON THE AREAS SHOWN IN THE PLANS. SEEDED AREAS SHOULD BE INSPECTED FOR FAILURE TO ESTABLISH, AND NECESSARY REPAIRS AND RESEEDING SHOULD BE MADE AS SOON AS POSSIBLE. ADDITIONAL SEEDING AND MULCH MAY BE REQUIRED AS NECESSARY TO PREVENT EROSION DURING OR AFTER CONSTRUCTION HAS FINISHED.

5. SOD SHALL BE INSTALLED IN THE AREAS SHOWN IN THE PLANS. SOD SHALL BE PEGGED IF INSTALLED ON SLOPES GREATER THAN 3:1. SODDED AREAS SHALL BE MAINTAINED AND INSPECTED TO ENSURE SUCCESSFUL ESTABLISHMENT.

SEDIMENTATION PRACTICES.

1. SILT FENCES SHALL BE INSTALLED IN THE AREAS SHOWN IN THE PLANS AND AS REQUIRED TO PREVENT SEDIMENT FROM LEAVING THE CONSTRUCTION AREA. SILT FENCES SHALL BE INSPECTED AFTER EACH RAINFALL EVENT TO ENSURE THAT THERE ARE NO GAPS OR TEARS. IF GAPS OR TEARS ARE FOUND THE FABRIC SHOULD BE REPAIRED OR REPLACED. SEDIMENT REMOVAL SHALL BE PART OF THE REGULAR MAINTENANCE. SILT FENCES SHALL REMAIN IN PLACE UNTIL CONSTRUCTION HAS FINISHED AND DISTURBED AREAS ARE PERMANENTLY STABILIZED.

2. DIVERSION SWALES, IF REQUIRED, SHALL BE CONSTRUCTED BEFORE MAJOR LAND DISTURBANCE OF THE RECEIVING BASIN. DIVERSION SWALES SHALL BE STABILIZED AFTER CONSTRUCTION TO MAINTAIN ITS EFFICIENCY.

3. INLETS SHOULD BE TEMPORARILY PROTECTED TO PREVENT SEDIMENT ENTERING THE INLET. BARRIERS WILL CATCH SOIL, DEBRIS AND SEDIMENT AT THE ENTRANCE OF THE INLET.

4. OUTFALL STRUCTURES SHALL HAVE SILT FENCES TO PREVENT SILT FROM ENTERING THE STORMWATER BASINS AND SHALL BE STABILIZED AS REQUIRED TO PREVENT EROSION FROM WASHOUTS.

V. STORMWATER MANAGEMENT:

1. THE PROPOSED PROJECT OBTAINED AN ENVIRONMENTAL RESOURCE PERMIT FROM SUWANNEE RIVER WATER MANAGEMENT DISTRICT (SRWMD) FOR THE CONSTRUCTION AND OPERATION OF A STORMWATER TREATMENT SYSTEM AND CONTROLS. THE PROPOSED SYSTEM (AS SHOWN ON THE PLANS) INCLUDED THE USE OF THE BEST MANAGEMENT PRACTICES (BMP) CONSISTENT WITH THE APPLICABLE REQUIREMENTS OF RULE 40C-42 OF THE DISTRICT. THE OWNER AND/OR THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE OPERATION AND MAINTENANCE OF THE STORMWATER TREATMENT SYSTEM AND CONTROLS UNTIL CONSTRUCTION ACTIVITIES ARE COMPLETED AND FINAL STABILIZATION HAS BEEN ACCOMPLISHED. HOWEVER, THE OWNER AND/OR AN ENTITY SIMILAR TO A HOMEOWNERS ASSOCIATION SHALL BE RESPONSIBLE FOR THE OPERATION AND MAINTENANCE OF THE STORMWATER SYSTEM IN PERPETUITY, IN ACCORDANCE WITH THE REQUIREMENTS OF THE ENVIRONMENTAL RESOURCE PERMIT.

2. TO TREAT AND CONTROL THE STORMWATER PRODUCED BY THE PROPOSED DEVELOPMENT AND PROPOSED PARKING AREA, THE PROJECT REQUIRES THE INSTALLATION AND CONSTRUCTION OF THE FOLLOWING BMP'S: (1) DRY RETENTION BASIN WITH ALL GRADING ASSOCIATED WITH THE CONSTRUCTION. THE BASIN HAS BEEN DESIGNED TO CONTAIN THE STORMS, (SELF CONTAIN THE DESIGN STORM EVENTS WITHOUT OFF-SITE DISCHARGE), WHILE PROVIDING TREATMENT TO THE RUNOFF AS REQUIRED BY THE DISTRICT AND STATE RULES USING THE GUIDELINES CONTAINED IN THE SRWMD HANDBOOK.

   AREA (1) WILL HAVE A DRY RETENTION BASIN THAT IS SELF CONTAINED.

VI. CONTROLS FOR OTHER POTENTIAL POLLUTANTS:

1. WASTE DISPOSAL: NO SOLID MATERIALS, INCLUDING CONSTRUCTION MATERIALS, SHALL BE DISCHARGED TO SURFACE WATERS AND ARE NOT AUTHORIZED UNDER THE ISSUED ENVIRONMENTAL RESOURCE PERMIT.

2. THE USE OF GRAVEL AND CONTINUING SWEEPING ACTIVITIES AT THE ENTRANCE OF THE SITE WILL CONTROL THE TRACKING OF SEDIMENT AND DUST LEAVING THE SITE.

3. THE PROPOSED DEVELOPMENT WILL PROVIDE WATER AND SEWER SYSTEM BY CONNECTION TO THE CENTRAL MUNICIPAL SYSTEM OF GAINESVILLE REGIONAL UTILITIES.

4. ANY APPLICATION OF FERTILIZERS AND PESTICIDES NECESSARY TO ESTABLISH AND MAINTENANCE OF VEGETATION DURING CONSTRUCTION AND THROUGH PERPETUITY MAINTENANCE SHALL FOLLOW THE MANUFACTURERS RECOMMENDATIONS AND THE APPLICABLE RULES OF THE STATE OF FLORIDA.

5. ANY TOXIC MATERIALS REQUIRED DURING CONSTRUCTION SHALL BE PROPERLY STORED, DISPOSED OF AND CONTRACTOR AND/OR OWNER SHALL PROVIDE THE APPROPRIATE PERMITS FROM THE LOCAL OR STATE AGENCIES.

VII. APPROVED STATE OR LOCAL PLANS:

1. ALL THE SEDIMENT AND EROSION CONTROLS THAT ARE LISTED IN THE SITE PLAN AS APPROVED BY THE SJRWMD ARE INCLUDED IN THIS STORMWATER POLLUTION PREVENTION PLAN (SEE ITEM III AND IV).

2. THIS STORMWATER POLLUTION PREVENTION PLAN SHALL BE AMENDED IF REQUIRED BY ANY LOCAL OR STATE AGENCY OR AS REQUIRED BY UNFORESEEABLE CONDITIONS AND THE OWNER SHALL SUBMIT A RE-CERTIFICATION TO THE NPDES STATE OFFICE THAT THE PLAN HAS BEEN AMENDED TO ADDRESS THOSE CHANGES.

VIII. MAINTENANCE:

THE CONTRACTOR IS RESPONSIBLE FOR THE MAINTENANCE, INSPECTION SCHEDULE, AND REPAIRS OUTLINED IN THIS PLAN. MAINTENANCE SHALL CONTINUE THROUGHOUT THE PROJECT UNTIL WORK IS COMPLETE. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES AFTER CONSTRUCTION IS COMPLETE.

IN ADDITION TO THE ITEMS MENTIONED IN THE PREVIOUS SECTIONS, THE CONTRACTOR SHALL INITIATE ANY REPAIRS WITHIN 24 HOURS OF BEING REPORTED. IN THE EVENT THAT THE BASINS DO NOT PERFORM PROPERLY OR IF A SINKHOLE DEVELOPS, THE PROJECT ENGINEER SHALL BE NOTIFIED TO ASSIST IN COORDINATING REMEDIAL ACTION.

1. MAINTENANCE WOULD BE DIVIDED IN ROUTINE MAINTENANCE AND REPAIR MAINTENANCE. ALL STORMWATER BMP'S SHOULD BE INSPECTED FOR CONTINUED EFFECTIVENESS AND STRUCTURAL INTEGRITY ON A REGULAR BASIS. THE SYSTEMS SHOULD BE CHECKED AFTER EACH STORM EVENT IN ADDITION TO REGULARLY SCHEDULED INSPECTIONS.

2. ROUTINE MAINTENANCE REQUIREMENTS SHOULD BE INCLUDED IN THE INSPECTOR CHECKLIST TO AID THE INSPECTOR IN DETERMINING WHETHER A BMP'S MAINTENANCE IS ADEQUATE OR NEEDS A REVISION. INSPECTORS SHALL KEEP RECORD OF MAINTENANCE, ROUTINE OR REPAIR, TO PROVIDE EVIDENCE OF AN EFFICIENT INSPECTION AND MAINTENANCE.

3. SIDE ENTRANCES: MAINTENANCE SHALL INCLUDE REPLACEMENT OF GRAVEL AND CLEANING THE SOIL THAT IS TRACKED OFFSITE FOR PROPER DISPOSAL.

4. TREE BARRICADES: MAINTENANCE SHALL INCLUDE INSPECTION OF MESH AND POSTS AND REPAIR OR REPLACEMENT OF DAMAGED VEGETATION.

5. SILT FENCES: MAINTENANCE SHALL INCLUDE SEDIMENT REMOVAL AND INSPECTION TO ENSURE PROPER ANCHORING AND THAT NO TEARING OR GAPS HAVE OCCURRED. ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT HAS REACHED ONE-THIRD THE HEIGHT OF SILT FENCE.

6. DIVERSION SWALES: MAINTENANCE SHALL INCLUDE INSPECTION AFTER EVERY RAINFALL EVENT AND ONCE EVERY TWO WEEKS BEFORE FINAL STABILIZATION. THEY SHOULD BE CLEARED OF SEDIMENT AND MAINTAIN VEGETATIVE COVER.

7. TEMPORARY BERMS: MAINTENANCE SHALL INCLUDE REMOVAL OF DEBRIS, TRASH SEDIMENT AND LEAVES. SIDES OF THE BERM SHALL BE INSPECTED FOR EROSION AFTER EACH STORM EVENT.

8. MULCHING: ROUTINE MAINTENANCE SHALL INCLUDE REPLACEMENT PERIODICALLY.

9. SEEDING: ROUTINE MAINTENANCE SHALL INCLUDE RESEEDING OF AREAS THAT FAILED TO ESTABLISH.

10. SODDING: ROUTINE MAINTENANCE SHALL INCLUDE WATERING AND MOWING. REPLACEMENT OF GRASS MAY BE NECESSARY IF COVER IS NOT FULLY ESTABLISHED.

11. INLETS: ROUTINE MAINTENANCE SHALL INCLUDE INSPECTION AFTER EVERY STORM EVENT AND MIGHT INCLUDE REMOVAL OF ACCUMULATED SEDIMENT.

12. OUTFALL STRUCTURES: ROUTINE MAINTENANCE SHALL INCLUDE INSPECTION AFTER EVERY STORM EVENT TO ASSURE NO EROSION OR SCOUR HAS OCCURRED.

13. DRY RETENTION BASINS: ROUTINE MAINTENANCE SHALL INCLUDE MONITORING FOR SEDIMENT ACCUMULATION, CLEAN AND REMOVE DEBRIS FROM INLETS AND OUTLETS, MOW SIDE SLOPES AND INSPECT FOR DAMAGE OF BERMS AND REPAIR UNDERCUT OR ERODED AREAS AS NECESSARY.

14. WET DETENTION BASINS: ROUTINE MAINTENANCE SHALL INCLUDE MONITORING FOR SEDIMENT ACCUMULATION, CLEAN AND REMOVE DEBRIS FROM INLETS AND OUTLETS, MOW SIDE SLOPES AND INSPECT FOR DAMAGE OF BERMS AND REPAIR UNDERCUT OR ERODED AREAS AS NECESSARY.

IX. INSPECTIONS:

1. THE OWNER AND /OR CONTRACTOR SHALL PROVIDE QUALIFIED PERSONNEL TO INSPECT ALL POINTS OF POTENTIAL DISCHARGE FROM THE PROJECT SITE FOR DISTURBED AREAS, THE EROSION AND SEDIMENTATION CONTROLS AND BMP'S AS LISTED IN THIS PLAN. THE INSPECTION SHALL BE PERFORMED DURING CONSTRUCTION AND BEFORE FINAL STABILIZATION, ONCE EVERY SEVEN-CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS GREATER THAN 0.50 INCHES. AFTER FINAL STABILIZATION AND BEFORE FINISH OF CONSTRUCTION THE INSPECTION SHALL BE CONDUCTED ONCE EVERY MONTH.

2. THE CONTRACTOR SHALL INSTALL A RAIN GAUGE AT THE SITE TO MONITOR AND DOCUMENT RAINFALL EVENTS IN EXCESS OF 0.50 INCHES.

3. ALL DISTURBED AREAS AND AREAS USED FOR MATERIALS STORAGE SHALL BE INSPECTED FOR POLLUTANTS ENTERING THE STORMWATER SYSTEM. THE STORMWATER MANAGEMENT SYSTEM AND EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE INSPECTED TO ENSURE THEY ARE OPERATING CORRECTLY. LOCATIONS WHERE VEHICLES ENTER AND LEAVE THE SITE SHALL BE INSPECTED FOR EVIDENCE OF OFFSITE SEDIMENT TRACKING.

4. REPAIR OR MAINTENANCE NEEDED TO ASSURE PROPER OPERATION OF THE STORMWATER POLLUTION PREVENTION PLAN SHALL BE DONE IN A TIMELY MANNER BUT NO LATER THAN 7 CALENDAR DAYS FOLLOWING THE INSPECTION.

5. A REPORT SHALL BE KEPT OF EACH INSPECTION FOR THREE YEARS AFTER FINAL STABILIZATION AND SHALL INCLUDE THE DATES OF EACH INSPECTION, THE SCOPE OF THE INSPECTION, MAJOR OBSERVATIONS, ANY REPAIR AND/OR MAINTENANCE REQUIRED AND ANY INCIDENT OF NON-COMPLIANCE. IF THE REPORT DOES NOT CONTAIN ANY INCIDENTS OF NON-COMPLIANCE, THE REPORT SHALL CONTAIN A CERTIFICATION THAT THE FACILITY HAS BEEN IN COMPLIANCE WITH THE STORMWATER POLLUTION PREVENTION PLAN AND THE NPDES PERMIT. THE REPORT SHALL INCLUDE THE NAME AND QUALIFICATIONS OF THE INSPECTOR AND SHALL BE SIGNED IN ACCORDANCE TO FDEP RULE 62-621.300, PART VII.C. A COPY OF THE CONSTRUCTION INSPECTION FORM IS INCLUDED ON THIS STORMWATER POLLUTION PREVENTION PLAN SHEET. A COPY SHALL BE RETAINED AT THE CONSTRUCTION SITE FROM THE DATE OF PROJECT INITIATION TO THE DATE OF FINAL STABILIZATION.

X. NON-STORMWATER DISCHARGES:

1. THE FOLLOWING NON-STORMWATER DISCHARGES MIGHT BE COMBINED WITH STORMWATER AND WOULD BE AUTHORIZED AS PART OF THIS PERMIT: FIRE HYDRANT FLUSHING, CONTROL OF DUST, POTABLE WATER FLUSHING AND IRRIGATION DRAINAGE. BECAUSE OF THE NATURE OF THESE DISCHARGES, THE EROSION, STABILIZATION AND TREATMENT SYSTEMS TO BE IMPLEMENTED, AS PART OF THIS PLAN WOULD BE APPROPRIATE TO PREVENT AND TREAT ANY POLLUTION RELATED TO THESE NON-STORMWATER DISCHARGES.

2. DISCHARGES FROM DEWATERING ACTIVITIES ASSOCIATED WITH SITE CONSTRUCTION ARE NOT AUTHORIZED AND REQUIRED CONSTRUCTION OF TEMPORARY SEDIMENTATION BASINS AND USE OF APPROPRIATE FLOCCULATING AGENTS TO ENHANCE PARTICLE SEGREGATION AND SPEED UP SETTLING OF PARTICLES.

XI. CONTRACTORS:

1. ALL CONTRACTORS AND/OR SUBCONTRACTORS RESPONSIBLE FOR IMPLEMENTING THE PLAN SHALL SIGN THE CERTIFICATION STATEMENT BEFORE STARTING CONSTRUCTION ACTIVITIES OF THE PROJECT. THE CERTIFICATION MUST INCLUDE THE NAME AND TITLE OF THE PERSON PROVIDING THE SIGNATURE, THE NAME, ADDRESS AND TELEPHONE NUMBER OF THE CONTRACTING FIRM, THE ADDRESS OF THE SITE AND THE DATE THE CERTIFICATION IS MADE. THE OWNER SHALL KEEP THESE CERTIFICATIONS AS PART OF THIS POLLUTION PLAN. MULTIPLE COPIES OF THE CERTIFICATION STATEMENT MAY BE NECESSARY DEPENDING UPON THE NUMBER OF SUBCONTRACTORS ASSOCIATED WITH THE PROJECT.

CERTIFICATION STATEMENT

"I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND AND SHALL COMPLY WITH THE TERMS AND CONDITIONS OF THE STATE OF FLORIDA GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES AND THIS STORMWATER POLLUTION PREVENTION PLAN PREPARED THEREUNDER."

CONTRACTING FIRM: _____

ADDRESS: _____

CITY, STATE, ZIP CODE: _____

TELEPHONE: _____

FAX: _____

PROJECT NAME:

PROJECT ADDRESS: _____

PROJECT ADDRESS: _____

CITY, STATE, ZIP CODE: _____, FLORIDA.

NAME: _____ SIGNATURE: _____

DATE: _____

STORMWATER POLLUTION PREVENTION PLAN INSPECTION REPORT FORM

Inspections must occur at least once a week and within 24 hours of the end of a storm event that is 0.50 inches or greater.

PROJECT NAME: _____ FDEP NPDES STORMWATER IDENTIFICATION NO.: FLR10 _____

OWNER: _____ CONTRACTOR: _____

CONSTRUCTION MANAGER: _____

Date of Inspection	Location	Rain data	Type of control (see below)	Date installed / modified	Current Condition (see below)	Observations or Corrective Action / Other Remarks	Inspected By

CONDITION CODE: G = Good; C = Needs to be cleaned; M = Marginal, needs maintenance or replacement soon; P = Poor, needs immediate maintenance or replacement; O = Other

CONTROL TYPE CODES

1. Silt Fence	10. Storm drain inlet protection	19. Reinforced soil retaining system	28. Tree protection
2. Earth dikes	11. Vegetative buffer strip	20. Gabion	29. Detention pond
3. Structural diversion	12. Vegetative preservation area	21. Sediment Basin	30. Retention pond
4. Swale	13. Retention Pond	22. Temporary seed / sod	31. Waste disposal / housekeeping
5. Sediment Trap	14. Construction entrance stabilization	23. Permanent seed / sod	32. Dam
6. Check dam	15. Perimeter ditch	24. Mulch	33. Sand Bag
7. Subsurface drain	16. Curb and gutter	25. Hay Bales	34. Other
8. Pipe slope drain	17. Paved road surface	26. Geotextile	
9. Level spreaders	18. Rock outlet protection	27. Rip-rap	

INSPECTOR INFORMATION:

Name _____ Qualification _____ Date _____

The above signature also shall certify that this facility is in compliance with the Stormwater Pollution Prevention Plan and the State of Florida Generic Permit for Stormwater Discharge from Large and Small Construction Activities if there are not any incidents of non compliance identified above.

* * * * * *

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

No.	Date	Comment

SCALES: AS SHOWN

eda engineers • surveyors • planners
EB 2389
2404 N.W. 43rd ST. GAINESVILLE, FLORIDA 32606-6603
TEL: (352) 373-3541 FAX: (352) 373-7249
www.edaIl.com mail@edaIl.com

Project: PEPEDOGS

Sheet title: STORMWATER POLLUTION PREVENTION PLAN

Project phase: CITY SECOND SUBMITTAL

Designed: CAG | Drawn: JAB
Project No: 15-141 | Date: 5/28/15

Professional Engineer of Record:
Christopher A. Gmuer, Engineer — Certificate No. 71599

Sheet No.: C3.00

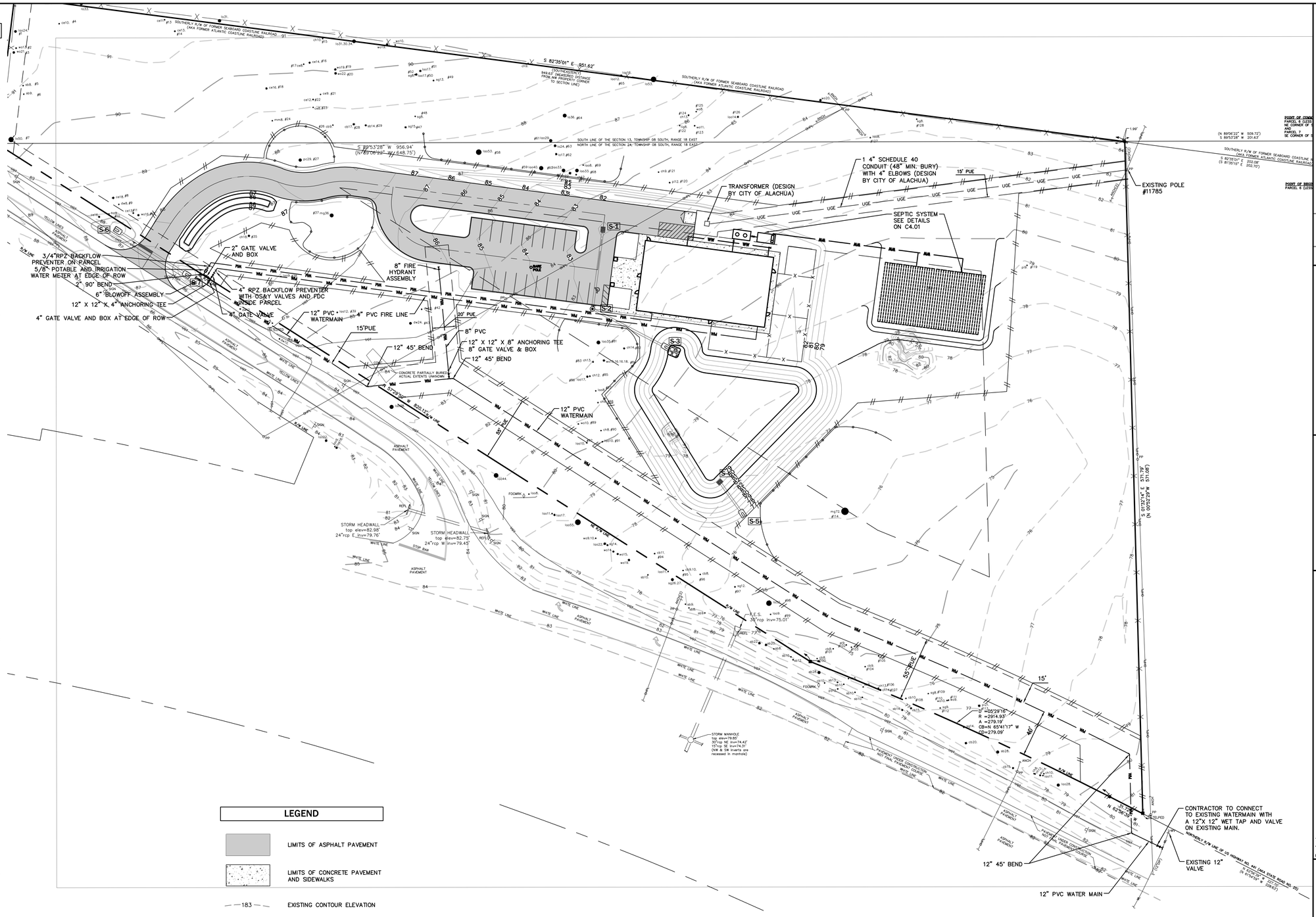
\\SERVER3\engprojects\PePeDogs\Plans\Current DWG\P15141j.dwg - C3.00-SPPP-CITY
Plotted Jun 24, 2015 - 14:13:18 - TAR

GENERAL UTILITY NOTES

1. CONTRACTOR IS RESPONSIBLE FOR PROTECTION AND VERIFICATION OF EXISTING UTILITIES. ANY EXISTING UTILITY TO BE MODIFIED SHALL BE COORDINATED WITH THE CITY OF ALACHUA.
2. WATER METER ASSEMBLIES SHALL BE INSTALLED BY CITY OF ALACHUA.
3. ELECTRIC SERVICE TO BE COORDINATED WITH CITY OF ALACHUA PUBLIC SERVICES.
4. UTILITY INSTALLATION SHALL NOT TAKE PLACE WITHIN TREE BARRICADE AREA AS SHOWN ON THE PAVING, GRADING AND DRAINAGE PLAN.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISPOSAL OF UNSUITABLE MATERIALS OFF–SITE AND FURNISH APPROVED MATERIAL PER CITY OF ALACHUA PUBLIC SERVICES FOR SANITARY SEWER LINES BACKFILL AT NO ADDITIONAL COST TO THE OWNER. THE CONTRACTOR MAY DISPOSE OF UNSUITABLE MATERIAL ON–SITE BY APPROVAL OF THE OWNER.
6. NO PERMANENT STRUCTURE SHALL BE CONSTRUCTED WITHIN 10 FEET OF ANY WATER LINE OR 15 FEET OF ANY SEWER LINE.
7. CONTRACTOR SHALL PROTECT LANDSCAPE AND ANY DISTURBED AREAS SHALL BE RESTORED AS EXISTING.

WATER DISTRIBUTION SYSTEM

1. NEW OR RELOCATED, UNDERGROUND WATER MAINS INCLUDED IN THIS PROJECT WILL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST 3' BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED VACUUM–TYPE SANITARY SEWER, STOM SEWER, STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER; A HORIZONTAL DISTANCE OF AT LEAST 6' BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED GRAVITY–TYPE SANITARY SEWER (OR HORIZONTAL DISTANCE OF AT LEAST 3' BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTISDE OF ANY EXISTING OR PROPOSED GRAVITY–TYPE SANITARY SEWER IF THE BOTTOM OF THE WATER MAIN WILL BE LAID AT LEAST SIX INCHES ABOVE THE TOP OF THE SEWER); A HORIZONTAL DISTANCE OF AT LEAST 6' BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED PRESSURE–TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER; AND A HORIZONTAL DISTANCE OF AT LEAST 10' BETWEEN THE OUTSIDE OF THE WATER MAIN AND ALL PARTS OF ANY EXISTING OR PROPOSED "ON–SITE SEWAGE TREATMENT AND DISPOSAL SYSTEM".
2. NEW OR RELOCATED, UNDERGROUND WATER MAINS THAT ARE INCLUDED IN THIS PROJECT AND THAT WILL CROSS ANY EXISTING OR PROPOSED GRAVITY– OR VACUUM–TYPE SANITARY SEWER OR STORM SEWER WILL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST 6" ABOVE THE OTHER PIPELINE OR AT LEAST 12" BELOW THE OTHER PIPELINE; AND NEW OR RELOCATED, UNDERGROUND WATER MAINS THAT ARE INCLUDED IN THIS PROJECT AND THAT WILL CROSS ANY EXISTING OR PROPOSED PRESSURE–TYPE SANITARY SEWER, WASTEWATER OR STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER WILL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST 12' ABOVE OR BELOW THE OTHER PIPELINE.
3. ALL ON–SITE FIRE HYDRANTS SHALL BE PAINTED PER THE REQUIREMENTS OF THE APPLICABLE MUNICIPALITY OR COUNTY. ALL FIRE HYDRANTS SHALL COMPLY WITH AWWA STANDARDS C502–80 THEREOF.
4. CONTRACTOR TO INSTALL TEMPORARY BLOWOFFS, AT THE END(S) OF PROPOSED WATER MAINS AND SERVICE LATERALS TO BUILDING(S), TO ASSURE ADEQUATE FLUSHING AND DISINFECTANT/CHLORINATION.
5. ALL WATER MAINS SHALL BE PRESSURE TESTED IN ACCORDANCE WITH AWWA MANUAL M23, CONCERING HYDROSTATIC TESTING OF PVC PIPING.
6. ALL WATER MAINS SHALL BE STERILIZED IN ACCORDANCE WITH THE APPLICABLE SECTION OF THE LATEST AWWA SPECIFICATION C651.
7. ALL PVC WATER MAINS SHALL HAVE A SUITABLE MAGNETIC LOCATOR TAPE BURIED OVER THE WATER MAIN, BURIED NO LESS THAN 18' ABOVE MAIN LINES. THE TAPE SHALL BE AT LEAST 5 ½ MILS THICK, 2' MINIMUM WIDTH, AND MADE WITH AN ALUMINUM MATERIAL SANDWICHED BETWEEN 2 LAYERS OF POLYETHYLENE. IT SHALL HAVE IMPRINTED, IN PERMANENT BLACK INK WITH ONE INCH TALL LETTERS, 'CAUTION: WATER LINE BURIED BELOW', ON BLUE BACKBOARD. THE TAPE SHALL BE CONTINUOUS BETWEEN VALVES, AND SECURED TO EACH VALVE. WHERE OTHER LINES OR SERVICE LINES JOIN THE WATER MAIN, THE TAPE USED FOR DETECTION OF THESE LINES SHALL BE SECURED TO THE MAIN LINE TAPE.
8. FIRE PROTECTION SHALL MEET ALL THE REQUIREMENTS OF THE APPLICABLE MUNICIPALITY OR COUNTY.
9. CONTRACTOR SHALL COORDINATE WITH CITY FOR CONSTRUCTION OF THE WATER SYSTEM. ALL MATERIAL AND WORKMANSHIP SHALL CONFORM TO THE SPECIFICATIONS AND REQUIREMENTS OF CITY AND WILL BE SUBJECT TO THEIR INSPECTION AND ACCEPTANCE.
10. ALL UTILITIES CONSTRUCTION CONNECTION TO THE CITY PUBLIC UTILITIES SYSTEM SHALL CONFORM TO CITY MANUAL OF STANDARDS AND SPECIFICATIONS FOR WASTEWATER AND WATER MAIN CONSTRUCTION.
11. WATER, SEWER, AND REUSE PIPES SHALL HAVE A MINIMUM COVER OF 3 FEET TO TOP OF PIPE, UNLESS OTHERWISE SPECIFIED.
12. CONTRACTOR SHALL VERIFY SIZE AND TYPE OF EXISTING MAIN PRIOR TO ORDERING TAPPING MATERIALS FOR TIE–INS.
13. CONCRETE CURBS SHALL BE CHISELED OR IMPRINTED TO SHOW LOCATIONS OF WATER AND SEWER SERVICE LINES/LATERALS. MARKING SHALL CONFORM WITH LOCAL STANDARDS. WHERE NO STANDARDS EXIST, USE "W" FOR WATER, "S" FOR SANITARY AND "R" FOR REUSE AS APPLICABLE.
14. WATER MAIN TAPS, WATER MAIN VALVES, AND BACKFLOW PREVENTORS SHALL BE DONE BY THE CONTRACTOR. WATER METERS AND METER BOXES SHALL BE INSTALLED BY THE CITY.
15. CONTRACTOR SHALL NOT ACTIVATE WATER SERVICES UNTIL THE FDEP HAS CLEARED THE SYSTEM FOR USE AND CLEARANCE LETTER HAS BEEN RECEIVED BY THE OWNER.
16. ALL PHASED WATER MAIN INSTALLATIONS SHALL END WITH A GATE VALVE AND BLOW–OFF.



LEGEND

- LIMITS OF ASPHALT PAVEMENT
- LIMITS OF CONCRETE PAVEMENT AND SIDEWALKS
- 183 EXISTING CONTOUR ELEVATION
- 183 PROPOSED CONTOUR ELEVATION
- FH PROPOSED FIRE HYDRANT

NORTH

SCALE: 1" = 40'

0 20' 40' 80'

GRAPHIC SCALE

eda engineers • surveyors • planners
EB 2189
2404 N.W. 43rd ST. GAINESVILLE, FLORIDA 32606-6604
TEL: (352) 373-3541 FAX: (352) 373-7993
www.edafl.com mail@edafl.com

No.	Date	Comment

Project: PEPEDOGS

Sheet title: UTILITY PLAN

Project phase: CITY SECOND SUBMITTAL

Designed: CAG | Drawn: JAB

Project No: 15–141 | Date: 5/28/15

Professional Engineer of Record:

Christopher A. Gmuer, Engineer — 71599, Certificate No.

Sheet No.: C4.00

\\SERVER3\engprojects\PePeDogs\Plans\Current DWG\P15141JI.dwg – C4.00 – UTIL
Plotted Jun 24, 2015 – 14:13:18 – TAR

\\SERVER3\engprojects\PePeDogs\Plans\Current DWG\P15141jl.dwg – C4.01 – UTIL DETAILS

ARC 24 SYSTEM

Before beginning installation, please note the following engineered features of the Arc 24 model chambers and end caps.

Arc 24 System

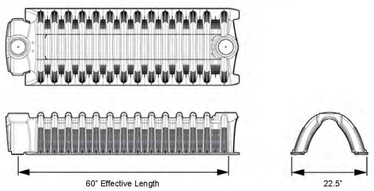
- Each chamber end is either marked "Dome" or "Post" on the round observation/vent knockout ports. These indicate direction of assembly, dome over post.

Arc 24 Chamber

Length	67"
Repeat Length	60"
Overall Width	22.5"
Sidewall Height	7.5"
Overall Height	12"
Capacity	5.02 cu ft (37.5 gal)

Calculations and dimensions are nominal

Arc 24 Chamber - Top, Side, and End Views (not to scale)



Arc 24 End Cap - Side, and End Views (not to scale)

ARC 24 SYSTEM

Arc 24 True Arch Corrugations

- New pipe-like corrugation design eliminates flat surfaces, resulting in increased strength, lower weight, and easier installation.

• Over Locking Ends

• Louvers and Feet

Arc 24 Features

- Base flanges on the chambers ends over lock during final engagement to form a very strong joint.
- The Arc 24 chamber feet are designed with an extra large surface area to provide support particularly in sandy soils.
- Sidewall louvers are designed to allow effluent to exit the chamber sidewalls in high flow situations, while preventing soils from migrating into the chamber void.
- Observation/venting knockout ports provide for inspection of system performance as well as a convenient location for drain field ventilation pipes.
- Each chamber end has small knockouts on the roof positioned in the "Post" end joint. When removed, these knockouts allow for the use of zip ties to support piping in low pressure dosing systems.
- Arc chambers can be installed to meet an H-10 live load (16,000 lbs/axle). Backfilling with a minimum of 12" of properly compacted cover is required for these applications.

• Observation Port

• Zip Tie Knockouts

Arc 24 End Cap

- Upper and lower knockouts expand to accommodate both Schedule 40 and SDR 35 piping in a single hole tap. Dimples are also offered for the positioning of 4.25" hole saw pilot drills.
- End caps are designed to attach the chamber's dome or post end in the same fashion for each end with the Arc 24 logo facing outward.

Arc 24 Swivel Feature

- Each chamber's post end has swivel lockout tabs at either base flange. When removed, the incoming chamber will turn up to ten degrees in the direction of the removed lockout tab. Without removal of the swivel lockout tab, the chambers will align in a straight pattern.
- Swivel lockout tabs may be removed with a striking blow to the tab and then pealing off the remaining piece of plastic, or cut with a knife.

Arc 24 System Configurations

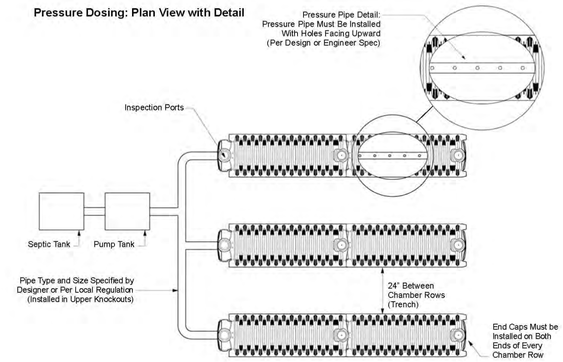
- Trench Installation: Page 14
- Bed Installation: Page 16
- Additional Configurations: Pages 19 and 20 (Pump and Pressure Dosing)

Installation Configurations:

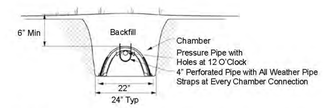
V. Pressure Dosing System

• Pressure dosing systems can be arranged in trench or bed configurations, as subsurface or mound installations.

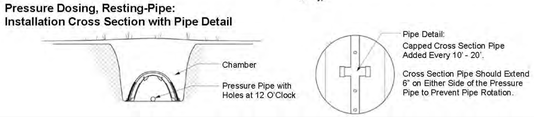
Pressure Dosing: Plan View with Detail

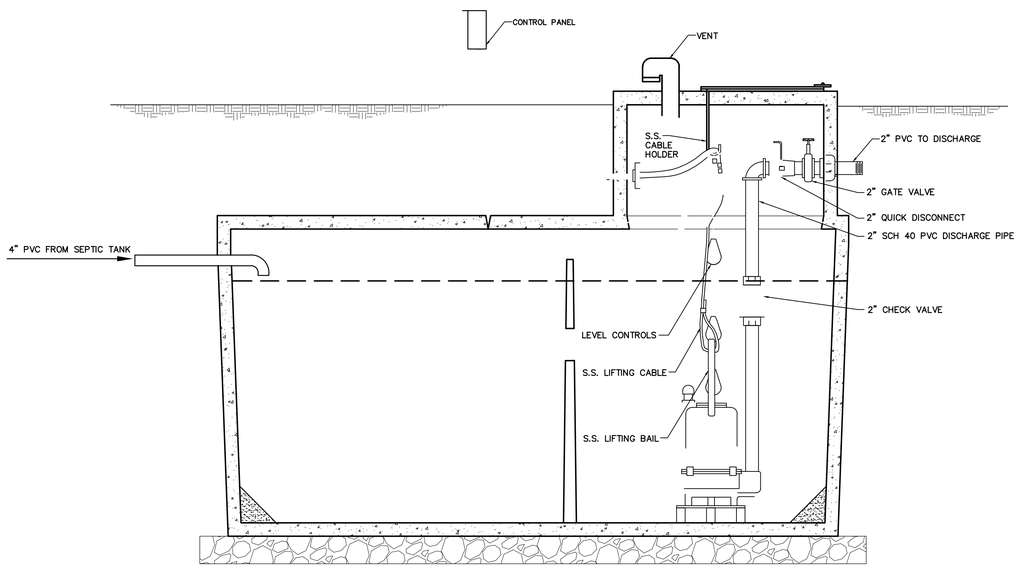


Pressure Dosing, Hung-Pipe: Installation Cross Section



Pressure Dosing, Resting-Pipe: Installation Cross Section with Pipe Detail



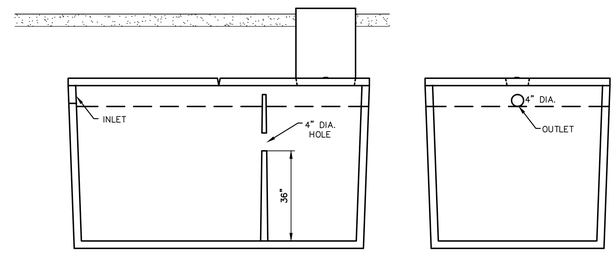


EFFLUENT PUMPS

NTS

PUMP CHARACTERISICS

TWO (2) EFFLUENT PUMPS
C3045 HT – 1 ~ 2P
40.7 GPM @ 18.10' TDH



SIDE VIEW **END VIEW**

3700 GALLON TANK

N.T.S.

No.	Date	Comment

NORTH

SCALE: AS SHOWN

0

GRAPHIC SCALE

engineers • surveyors • planners
EB 2389
2404 N.W. 43rd ST, GAINESVILLE, FLORIDA 32606-6600
TEL: (352) 373-3541 FAX: (352) 373-7268
www.edafl.com mail@edafl.com

Project: PEPEDOGS

Sheet title: UTILITY DETAILS

Project phase: CITY SECOND SUBMITTAL

Designed: CAG | Drawn: JAB

Project No: 15-141 | Date: 5/28/15

Professional Engineer of Record:

Christopher A. Gmuer, Engineer — Certificate No. 71599

Sheet No.: C4.01

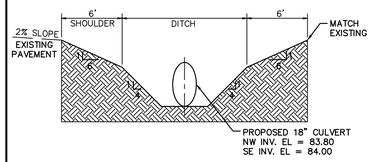
Plotted Jun 24, 2015 – 14:13:18 – TAR

STORMWATER STRUCTURES

S-6 MITERED END SECTION	SE 18" INV.=84.00
S-7 MITERED END SECTION	NW 18" INV.=83.80

LEGEND

- SILT FENCE
- TREE BARRICADE
- LIMITS OF ASPHALT PAVEMENT
- LIMITS OF CONCRETE PAVEMENT AND SIDEWALKS
- SIGHT TRIANGLE
- • pi20 EXISTING TREE TO REMAIN



TYPICAL DITCH CROSS SECTION D - D

N.T.S.

TYPICAL CROSS SECTION C - C

N.T.S.

1-1/2" TYPE SP-9.5, ASPHALTIC CONCRETE

8" LIMEROCK BASE, COMPACTED TO 98% OF MODIFIED PROCTOR DENSITY

12" SUBGRADE, LBR 40, COMP. TO 98% MODIFIED PROCTOR DENSITY

TYPICAL ASPHALT PAVEMENT DETAIL (R/W ONLY)

N.T.S.

DRIVEWAY CONNECTION NOTES

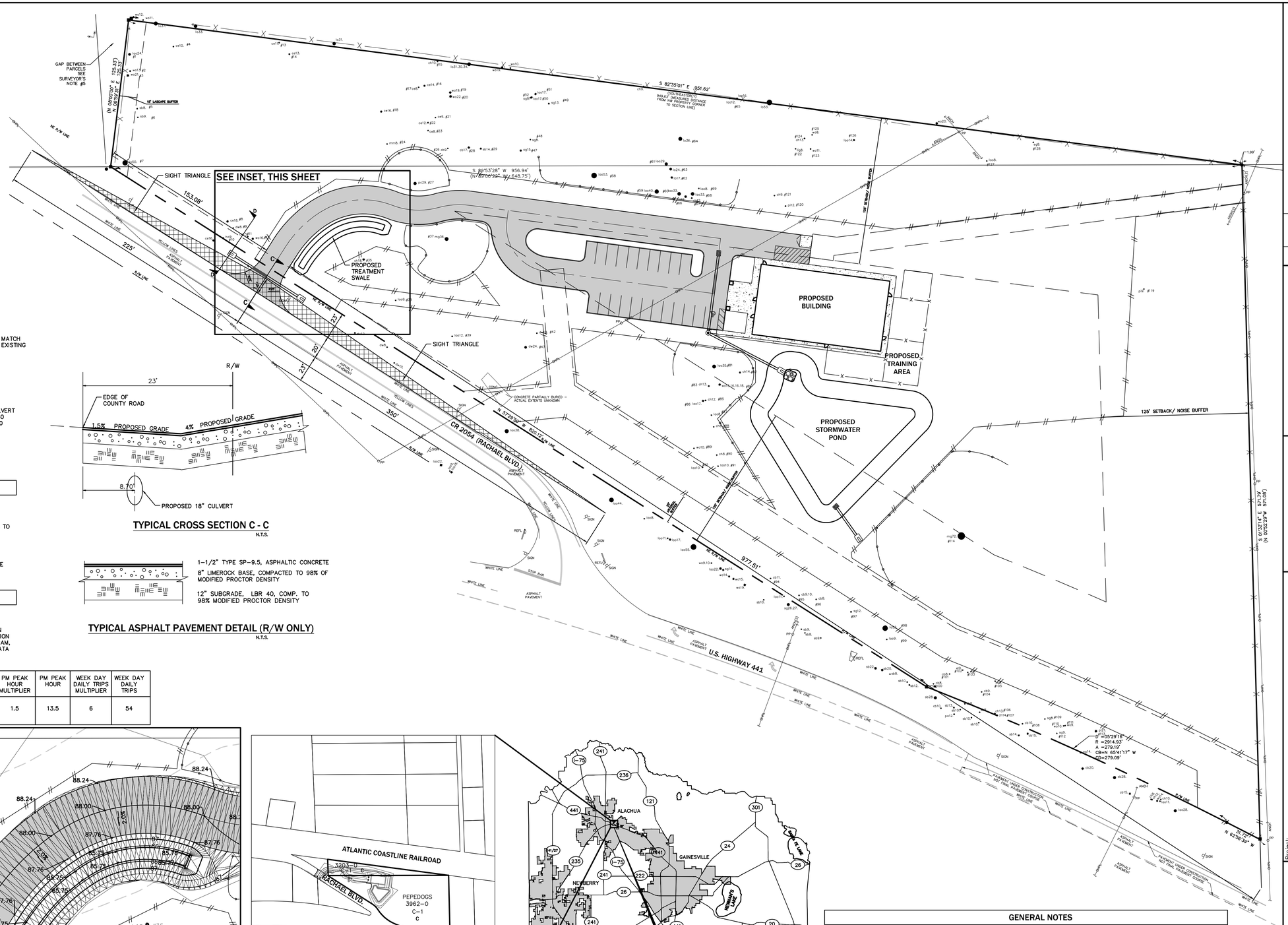
1. RECYCLED ASPHALT IS PROHIBITED IN THE FINAL SURFACE COURSE WITHIN THE RIGHT OF WAY.
2. PROVIDE SIGNED AND SEALED COPIES OF ALL TEST RESULTS TO ALACHUA COUNTY PUBLIC WORKS.
3. CONSTRUCTION SHALL CONFORM TO ALACHUA COUNTY CONSTRUCTION INSPECTION STANDARDS.
4. ALL DISTURBED AREAS WITHIN THE RIGHT OF WAY ARE TO BE SODDED.

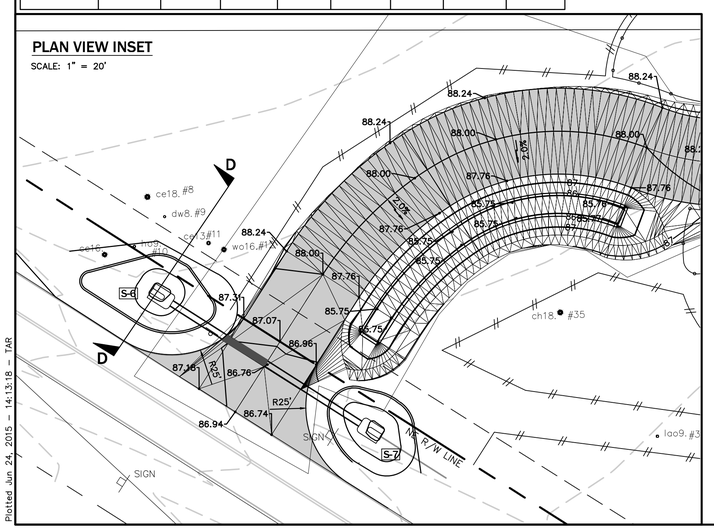
TRIP GENERATION

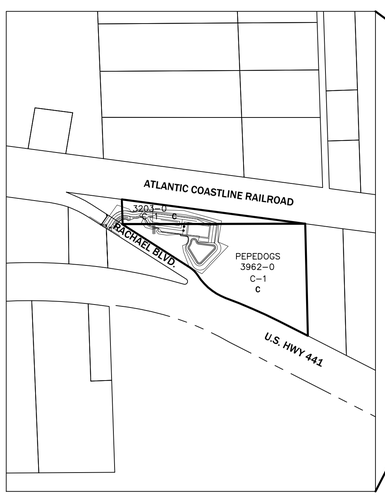
THE INSTITUTE OF TRANSPORTATION ENGINEERS, 9TH EDITION

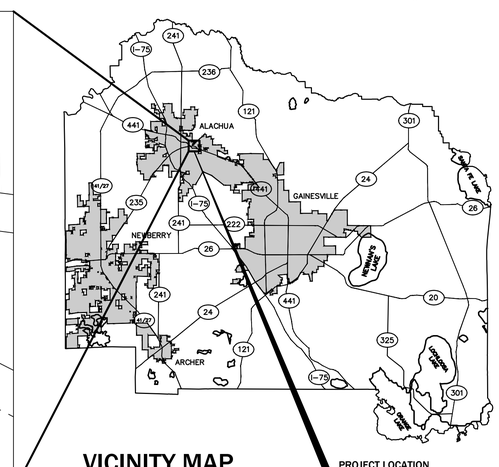
TRIP GENERATION MANUAL DOES NOT SPECIFY A GENERATION FOR THIS TYPE OF ACTIVITY. THEREFORE, THE TRIP GENERATION PROPOSED IS BASED ON THE NEW JERSEY DOT HAPS PROGRAM, DATED MARCH 1, 2013, THAT PROVIDES TRIP GENERATION DATA FOR A "DOG BOARDING BUSINESS" USE TYPE.

LAND USE DESCRIPTION	UNITS OF MEASURE	NUMBER OF EMPLOYEES	AM PEAK HOUR MULTIPLIER	AM PEAK HOUR	PM PEAK HOUR MULTIPLIER	PM PEAK HOUR	WEEK DAY DAILY TRIPS MULTIPLIER	WEEK DAY DAILY TRIPS
DOG BOARDING BUSINESS	EMPLOYEES	9	1.5	13.5	1.5	13.5	6	54









VICINITY MAP

ALACHUA COUNTY, FLORIDA

NOT TO SCALE

GENERAL NOTES

1. ALL PARKING LOT DIMENSIONS AND RADII SHOWN ARE MEASURED FROM FACE OF CURB AND/OR THE EDGE OF PAVEMENT IF THERE IS NOT CURB PROPOSED. ALL RADIAL PARKING IS 9' MIN. WIDTH AT NARROWEST POINT.
2. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF LOCATION OF ALL EXISTING UTILITIES AND PROTECTION OF SAME DURING CONSTRUCTION.
3. ADDRESS: 10908 RACHAEL BLVD. ALACHUA, FL 32615
4. DESCRIPTION: ONE (1) PROPOSED DRIVEWAY CONNECTION TO CR 2054 (RACHAEL BLVD.) TO SERVE PROPOSED CANINE TRAINING AND BOARDING FACILITY.
5. CONTRACTOR TO OBTAIN ACPW APPROVAL OF MAINTENANCE OF TRAFFIC PLAN PRIOR TO BEGINNING CONSTRUCTION WORK WITHIN THE RIGHT-OF-WAY.
6. CONTRACTOR TO OBTAIN ACPW APPROVAL OF ASPHALT MIX DESIGNS USED WITHIN THE RIGHT-OF-WAY.
7. CONTRACTOR TO PROVIDE 24" OF SUBSOIL EXCAVATION IF REQUIRED. COORDINATE WITH ACPW INSPECTOR.
8. COORDINATE WITH ACPW 24-HR IN ADVANCE OF EACH STAGE OF CONSTRUCTION (SUBSOIL EXCAVATION, STABILIZED SUBGRADE, LIMEROCK BASE AND ASPHALT.)
9. CR 2054 (RACHAEL BLVD.) IS POSTED 45 MPH.
10. APPLICANT: J & K CANINE ACADEMY INC.
    POST OFFICE BOX 769
    HIGH SPRINGS, FL 32655
    PHONE: (407) 219-3540
11. PROJECT DESCRIPTION: CONSTRUCTION OF A 6,600 SF DOG KENNEL AND TRAINING FACILITY.

No.	Date	Comment

NORTH

SCALE: 1' = 40'

0 20' 40' 80'

GRAPHIC SCALE

eda engineers • surveyors • planners
EB 2389
2404 N.W. 43rd ST. GAINESVILLE, FLORIDA 32606-6602
TEL: (352) 373-3541 FAX: (352) 373-7724
www.eda-fl.com mail@eda-fl.com

Project: PEPEDOGS

Sheet title: DEVELOPMENT PLAN FOR DRIVEWAY CONNECTION

Project phase: CITY SECOND SUBMITTAL

Designed: CAG | Drawn: JAB

Project No: 15-141 | Date: 5/28/15

Professional Engineer of Record:

Christopher A. Gruver, Engineer, Certificate No. 71599

Sheet No.: C5.00

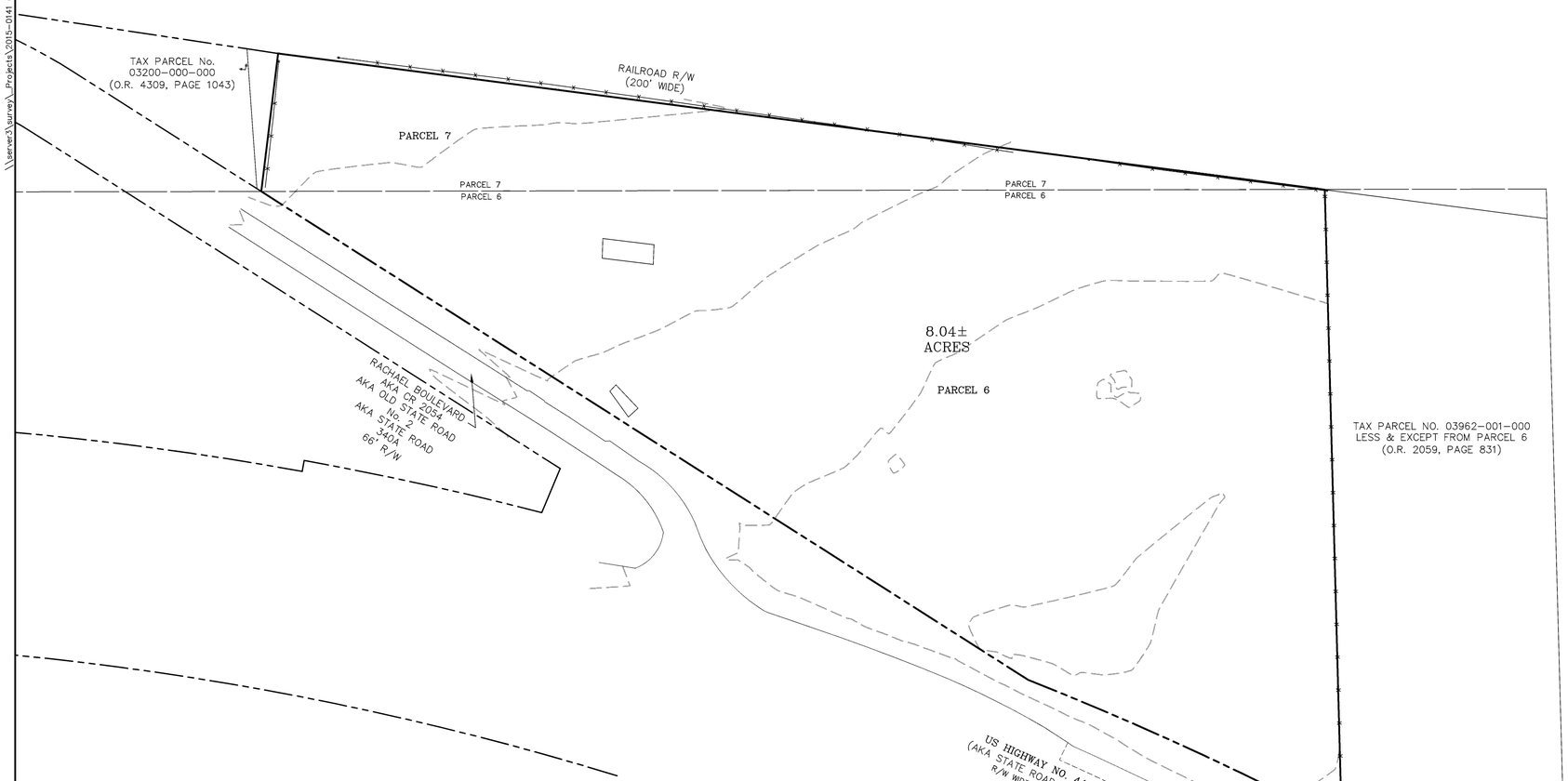
\\SERVER3\engprojects\PePeDogs\Plans\Current DWG\P15141jl.dwg - C5.00 - DRWY

Plotted Jun 24, 2015 - 14:13:18 - TAR

BOUNDARY AND TOPOGRAPHIC SURVEY

IN
SECTIONS 13 & 24, TOWNSHIP 8 SOUTH, RANGE 18 EAST,
CITY OF ALACHUA, ALACHUA COUNTY, FLORIDA
FOR
PePeDogs, Inc.

SHEET 2 OF 3



SHEET 3 OF 3

LEGAL DESCRIPTION:

PARCEL 6:
THAT PORTION OF THE NORTHEAST QUARTER OF THE NORTHEAST QUARTER (NE ¼ OF NE ¼) OF SECTION 24, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA COUNTY, FLORIDA, THAT LIES SOUTHERLY OF THE FORMER ATLANTIC COASTLINE RAILROAD RIGHT OF WAY AND NORTHERLY OF OLD STATE ROAD NO. 2 AND NORTHERLY OF STATE ROAD NO. 25 (U.S. HIGHWAY NO. 441); LESS THE FOLLOWING DESCRIBED LAND:

COMMENCE AT THE NORTHEAST CORNER OF SAID SECTION 24 FOR A POINT OF REFERENCE, THENCE RUN SOUTH 00 DEG. 52 MIN. 29 SEC. EAST ALONG THE EAST LINE OF SAID SECTION 24, A DISTANCE OF 26.60 FEET TO AN IRON PIPE ON THE SOUTH RIGHT OF WAY LINE OF THE FORMER SEABOARD COASTLINE RAILROAD FOR THE POINT OF BEGINNING; FROM THE SAID POINT OF BEGINNING CONTINUE SOUTH 00 DEG. 52 MIN. 29 SEC. EAST ALONG THE SAID EAST LINE OF SECTION 24, A DISTANCE OF 649.06 FEET TO AN IRON PIPE ON THE NORTHERLY RIGHT OF WAY LINE OF U.S. HIGHWAY NO. 441; THENCE RUN NORTH 61 DEG. 54 MIN. 59 SEC. WEST ALONG THE SAID NORTHERLY RIGHT OF WAY LINE, A DISTANCE OF 228.63 FEET TO AN IRON PIPE; THENCE RUN NORTH 00 DEG. 52 MIN. 29 SEC. WEST PARALLEL TO AND 200.0 FEET PERPENDICULAR TO THE SAID EAST LINE OF SECTION 24, A DISTANCE OF 571.08 FEET TO AN INTERSECTION WITH THE SAID SOUTHERLY RIGHT OF WAY LINE OF SAID SEABOARD COASTLINE RAILROAD; THENCE RUN SOUTH 81 DEG. 35 MIN. 15 SEC. EAST, ALONG THE SAID SOUTHERLY RIGHT OF WAY LINE, A DISTANCE OF 202.70 FEET TO THE SAID IRON PIPE ON THE EAST LINE OF SECTION 24 AND THE POINT OF BEGINNING.
CONTAINING 2.80 ACRES, MORE OR LESS.

PARCEL 7:
A TRACT OF LAND SITUATED IN THE SE ¼ OF SE ¼ OF SECTION 13, TOWNSHIP 8 SOUTH, RANGE 18 EAST, ALACHUA COUNTY, FLORIDA. SAID TRACT OF LAND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCE AT THE SOUTHEAST CORNER OF THE AFOREMENTIONED SECTION 13, TOWNSHIP 8 SOUTH, RANGE 18 EAST, FOR A POINT OF REFERENCE; THENCE RUN NORTH 89 DEG. 06 MIN. 22 SEC. WEST ALONG THE SOUTH LINE OF SAID SECTION 13, A DISTANCE OF 509.72 FEET TO THE POINT OF BEGINNING; THENCE CONTINUE NORTH 89 DEG. 06 MIN. 22 SEC. WEST ALONG SAID SOUTH LINE OF SECTION 13 A DISTANCE OF 648.75 FEET TO THE NORTHEASTERLY RIGHT-OF-WAY LINE OF STATE ROAD NO. S-340A (66 FOOT RIGHT-OF-WAY); THENCE RUN NORTH 8 DEG. 00 MIN. 00 SEC. EAST A DISTANCE OF 125.33 FEET TO THE SOUTH LINE OF SEABOARD COAST LINE RAILROAD; THENCE RUN SOUTHEASTERLY ALONG SAID SOUTH LINE TO THE POINT OF BEGINNING.

NOTES:

1) ELEVATIONS SHOWN HEREON WERE PROJECTED FROM AN ELEVATION OF 79.51 FEET (NGVD 29 DATUM) ON FLORIDA DEPARTMENT OF TRANSPORTATION BENCHMARK "NOT STAMPED" LOCATED 150'± WEST OF PROGRESS BLVD ON THE SOUTH RIGHT OF WAY LINE OF STATE ROAD No. 25.

2) BEARINGS AS SHOWN HEREON WERE PROJECTED FROM AN ASSUMED BEARING OF NORTH 89 DEGREES, 06 MINUTES, 22 SECONDS WEST UPON THE SOUTH LINE OF SECTION 13, TOWNSHIP 8 SOUTH, RANGE 18 EAST.

3) BEARINGS AND DISTANCES SHOWN IN PARENTHESES () REFER TO LEGAL DESCRIPTION WHERE THEY DIFFER FROM FIELD MEASUREMENT.

4) THE DIMENSIONS OF PARCEL 7 VARY GREATLY WHEN COMPARING DEED TO MEASURED DISTANCES. THIS IS CAUSED BY THE BOUNDARIES OF SAID PARCEL BEING ESTABLISHED BY HOLDING THE BOUNDING CALLS (SOUTH LINE OF SECTION 13 AND SOUTH LINE OF SEABOARD COAST LINE RAILROAD).

5) THERE EXISTS A GAP BETWEEN PARCEL 7 AND THE ADJOINER TO THE WEST (PARCEL ID: 03200-000-000 – O.R. 4309, PAGE 1043). SAID GAP IS EVIDENT FROM THE PROPERTY DESCRIPTIONS AND IS SUPPORTED BY FOUND MONUMENTATION. SAID GAP IS APPROXIMATELY 0.05± ACRES.

6) THIS SURVEY CONSISTS OF 3 SHEETS AND IS NOT VALID WITHOUT ALL SHEETS.

7) INTERIOR FENCES, IF ANY, ARE NOT SHOWN.

8) NO SEARCH OF THE PUBLIC RECORDS WAS MADE BY THE SURVEYOR, THEREFORE, THERE MAY BE RESTRICTIONS OTHER THAN THOSE SHOWN HEREON WHICH MAY BE FOUND IN THE PUBLIC RECORDS OF ALACHUA COUNTY, FLORIDA. EASEMENTS AND BUILDING SETBACK REQUIREMENTS, OTHER THAN THOSE SHOWN, WERE NOT PROVIDED TO THIS SURVEYOR.

UTILITY LOCATION NOTE:

THE LOCATIONS OF UNDERGROUND UTILITIES SHOWN WERE BASED ON ABOVE GROUND FIXTURES, UTILITY COMPANY MAPS AVAILABLE TO THE SURVEYOR, AND ELECTRONIC DETECTION METHODS. UNLESS NOTED OTHERWISE ON THE GRAPHIC PORTION OF THIS SURVEY, NO UTILITIES WERE UNCOVERED TO VERIFY THEIR LOCATION.

NO GUARANTEE IS EITHER EXPRESSED OR IMPLIED BY THE SURVEYOR THAT THE LOCATIONS SHOWN REPRESENT THE ACTUAL LOCATIONS OF THOSE UTILITIES, THE UTILITY TYPE, OR THAT NO OTHER UTILITIES EXIST ON THE SITE.

PRIOR TO THE DESIGN OF UTILITY CONNECTIONS, THE PROPOSED CONNECTION POINTS SHOULD BE EXCAVATED AS NECESSARY TO CONFIRM THEIR EXACT LOCATION, DEPTH AND CHARACTERISTICS.

IN ACCORDANCE WITH FLORIDA STATUTE CHAPTER 556, PRIOR TO ANY EXCAVATION, THE EXCAVATOR SHALL CONTACT SUNSHINE STATE ONE CALL OF FLORIDA AT 1-800-432-4770.

LEGEND OF SYMBOLS & ABBREVIATIONS:

CONC	=	CONCRETE
D	=	DELTA (CENTRAL) ANGLE
R	=	RADIUS
A	=	ARC
T	=	TANGENT
CB	=	CHORD BEARING
CD	=	CHORD DISTANCE
dip	=	DUCTILE IRON PIPE
ELEV	=	ELEVATION
F.E.S.	=	FLARED END SECTION
ID.	=	IDENTIFICATION
Inv	=	INVERT
No.	=	NUMBER
O.R.	=	OFFICIAL RECORDS BOOK
RCP	=	REINFORCED CONCRETE PIPE
R/W	=	RIGHT OF WAY
SECTION 24-8-18	=	SECTION 24, TOWNSHIP 8 SOUTH, RANGE 18 EAST
w/	=	WITH
ANCH	=	GUY ANCHOR
FOCMRK	=	FIBER OPTIC CABLE LINE MARKER
	=	FOUND CONCRETE MONUMENT (size, ID)
	=	FOUND IRON PIPE (size, ID)
	=	FOUND NAIL & DISK (ID)
	=	FOUND REBAR & CAP (size, ID)
	=	MANHOLE
PP	=	POWER POLE
REFL	=	REFLECTOR SIGN
	=	SET 5/8" REBAR & CAP (LB 2389)
	=	SIGN
TP	=	TELEPHONE POLE
TELPED	=	TELEPHONE PEDESTAL
WV	=	WATER VALVE
80	=	ELEVATION CONTOUR LINE
	=	FENCE LINE
OHPL	=	OVERHEAD POWER LINE
UGT	=	UNDERGROUND TELEPHONE LINE
UW	=	UNDERGROUND WATER LINE
(6" PVC)	=	SIZE AND/OR MATERIAL AS PROVIDED BY UTILITY COMPANY
88.88	=	SPOT ELEVATION

TREE LEGEND:

ONLY TREES WITH A DIAMETER 8" AND GREATER WERE LOCATED FOR THIS SURVEY.
(DIAMETER MEASURED 4.5' ABOVE GRADE)

LOCATION / SPECIES / DIAMETER AT 4.5' ABOVE GRADE		SIZE/COMMON NAME
cb13.	=	13" CHINABERRY
ce16.	=	16" SOUTHERN REDCEDAR
ch14.	=	14" BLACK CHERRY
dw16.	=	16" FLOWERING DOGWOOD
el9.	=	9" ELM
ho9.	=	9" HOLLY
la017.	=	17" LAUREL OAK
li17.	=	17" LIVE OAK
lig8.	=	8" LIGUSTRUM
mg36.	=	36" MAGNOLIA
mm8.	=	8" MIMOSA
pa12.	=	12" PALM
pc12.	=	12" PECAN
pi12.	=	12" PINE
sb14.	=	14" SUGARBERRY
sg15.	=	15" SWEETGUM
wo14.	=	14" WATER OAK

0 60' 120'
1"=60'

FLOOD INSURANCE RATE MAP STATEMENT
THE REAL PROPERTY SHOWN HEREON LIES WITHIN ZONE(s) X (UNSHADED) AS DESIGNATED ON THE FLOOD INSURANCE RATE MAP NUMBER 12001C0140D, COMMUNITY NUMBER 120064, PANEL: 0140D; EFFECTIVE DATE: 06/16/06. SAID MAP DESCRIBES ZONE(s) X (UNSHADED) AS BEING "AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN."

No.	Date	Comment

eda engineers-surveyors-planners, inc.
LB 2389
2404 N.W. 43rd ST. GAINESVILLE, FLORIDA 32606-6660
TEL: (352) 373-3541 FAX: (352) 373-7249
E-MAIL: mail@eda-inc.com

eda engineers-surveyor-planners, Inc.
Corporate Authorization No. LB 2389
BY: JARED ROGERS P.S.M. 6678

Project No. 2015-0141 SOD
Drawn A.L.
Check J.R.

NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER. COPYRIGHT © 2015

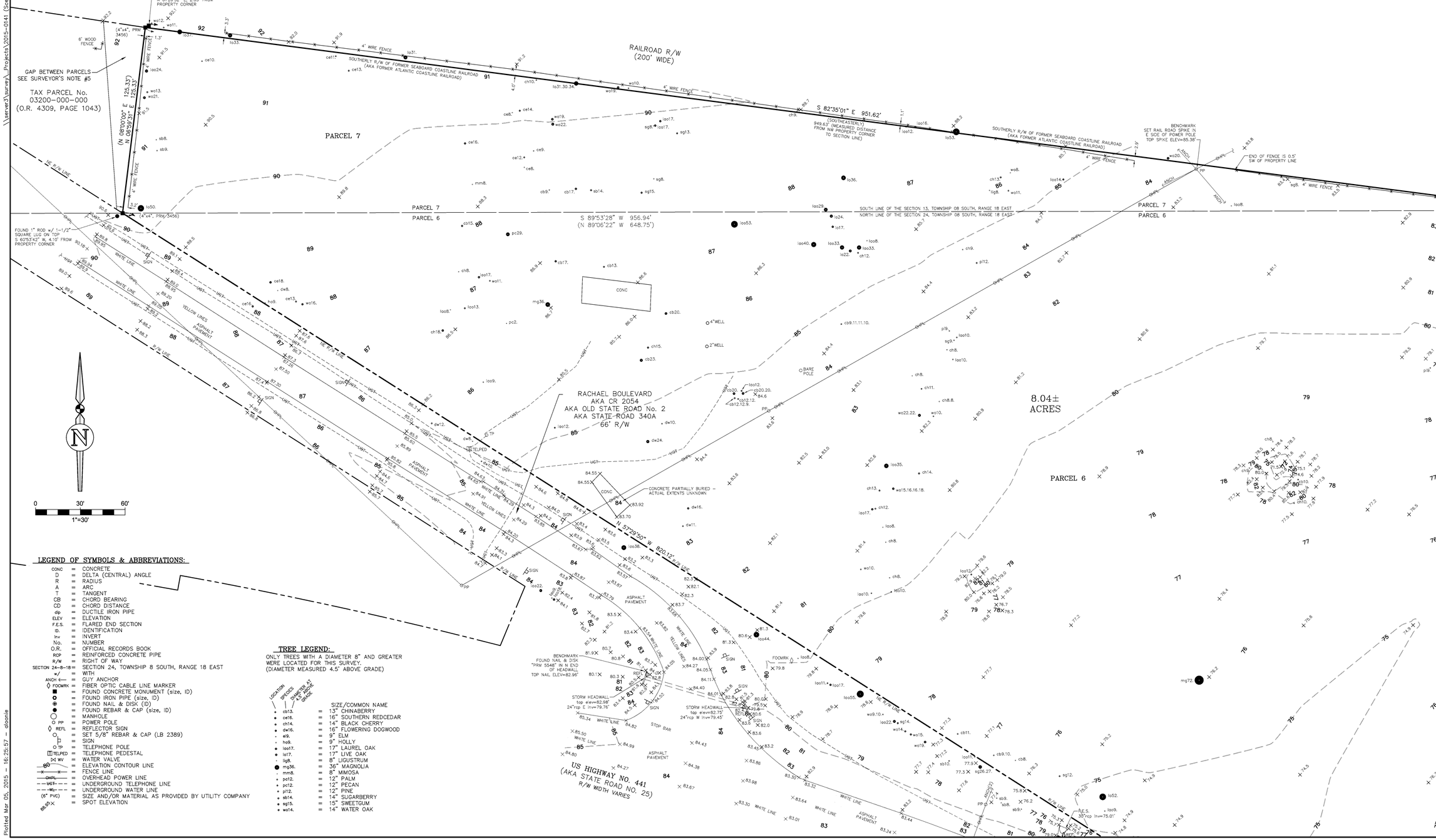
930 / 934 — Field Book
56 / 58–72 — Page
03/03/15 — Survey Date
PREPARED FOR: 1) PePeDogs, Inc.
2)
3)
4)

03/04/15 — Drawing Completed
Revised

THIS SURVEY MEETS THE MINIMUM TECHNICAL STANDARDS AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 5J-17, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES. THIS SURVEY DEPICTS THE SITE CONDITIONS AS OF 03/03/15.

Sheet No.:
V-001

\\server3\survey_Projects\2015-0141 (Scentworx)\DWG\Delivered_03-05-15\2015-0141.dwg - Sheet1
Plotted Mar 05, 2015 - 16:25:57 - aloonie



LEGEND OF SYMBOLS & ABBREVIATIONS:

CONC	=	CONCRETE
D	=	DELTA (CENTRAL) ANGLE
R	=	RADIUS
A	=	ARC
T	=	TANGENT
CB	=	CHORD BEARING
CD	=	CHORD DISTANCE
dip	=	DUCTILE IRON PIPE
ELEV	=	ELEVATION
F.E.S.	=	FLARED END SECTION
ID.	=	IDENTIFICATION
Inv	=	INVERT
No.	=	NUMBER
O.R.	=	OFFICIAL RECORDS BOOK
RCP	=	REINFORCED CONCRETE PIPE
R/W	=	RIGHT OF WAY
SECTION 24-8-18	=	SECTION 24, TOWNSHIP 8 SOUTH, RANGE 18 EAST
w/	=	WITH
ANCH	=	GUY ANCHOR
FOCMRK	=	FIBER OPTIC CABLE LINE MARKER
	=	FOUND CONCRETE MONUMENT (size, ID)
	=	FOUND IRON PIPE (size, ID)
	=	FOUND NAIL & DISK (ID)
	=	FOUND REBAR & CAP (size, ID)
	=	MANHOLE
PP	=	POWER POLE
REFL	=	REFLECTOR SIGN
	=	SET 5/8" REBAR & CAP (LB 2389)
	=	SIGN
TP	=	TELEPHONE POLE
TELPED	=	TELEPHONE PEDESTAL
WV	=	WATER VALVE
80	=	ELEVATION CONTOUR LINE
	=	FENCE LINE
OHPL	=	OVERHEAD POWER LINE
UGT	=	UNDERGROUND TELEPHONE LINE
WL	=	UNDERGROUND WATER LINE
(6" PVC)	=	SIZE AND/OR MATERIAL AS PROVIDED BY UTILITY COMPANY
88.88	=	SPOT ELEVATION

TREE LEGEND:

ONLY TREES WITH A DIAMETER 8" AND GREATER WERE LOCATED FOR THIS SURVEY. (DIAMETER MEASURED 4.5' ABOVE GRADE)

LOCATION	SPECIES	DIAMETER AT 4.5' ABOVE GRADE		SIZE/COMMON NAME
	cb13.		=	13" CHINABERRY
	ce16.		=	16" SOUTHERN REDCEDAR
	ch14.		=	14" BLACK CHERRY
	dw16.		=	16" FLOWERING DOGWOOD
	el9.		=	9" ELM
	ho9.		=	9" HOLLY
	loo17.		=	17" LAUREL OAK
	li17.		=	17" LIVE OAK
	lig8.		=	8" LIGUSTRUM
	mg36.		=	36" MAGNOLIA
	mm8.		=	8" MIMOSA
	pa12.		=	12" PALM
	pc12.		=	12" PECAN
	pi12.		=	12" PINE
	sb14.		=	14" SUGARBERRY
	sg15.		=	15" SWEETGUM
	wo14.		=	14" WATER OAK

FLOOD INSURANCE RATE MAP STATEMENT

THE REAL PROPERTY SHOWN HEREON LIES WITHIN ZONE(s) X (UNSHADED) AS DESIGNATED ON THE FLOOD INSURANCE RATE MAP NUMBER 12001C0140D, COMMUNITY NUMBER: 120664, PANEL: 0140D, EFFECTIVE DATE: 06/16/06 AND THE SAID MAP DESCRIBES ZONE(s) X (UNSHADED) AS BEING "AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN."

No.	Date	Comment

eda engineers-surveyors-planners, inc.
LB 2389
2404 N.W. 43rd ST. GAINESVILLE, FLORIDA 32606-6452
TEL: (352) 373-3541 FAX: (352) 373-7249
E-Mail: eda@eda-inc.com

eda engineers-surveyors-planners, inc. Corporate Authorization No. LB 2389
P.S.M. 6678
By: JARED ROGERS

Project No. 2015-0141.S00
Drawn A.L.
Check J.R.

NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER. COPYRIGHT © 2015

SEAL 5015

03/03/15		03/04/15	
Survey Date		Drawing Completed	Revised

930	56	58-72
934		
Fieldbook	Page	

PREPARED FOR: 1) 2) 3) 4)

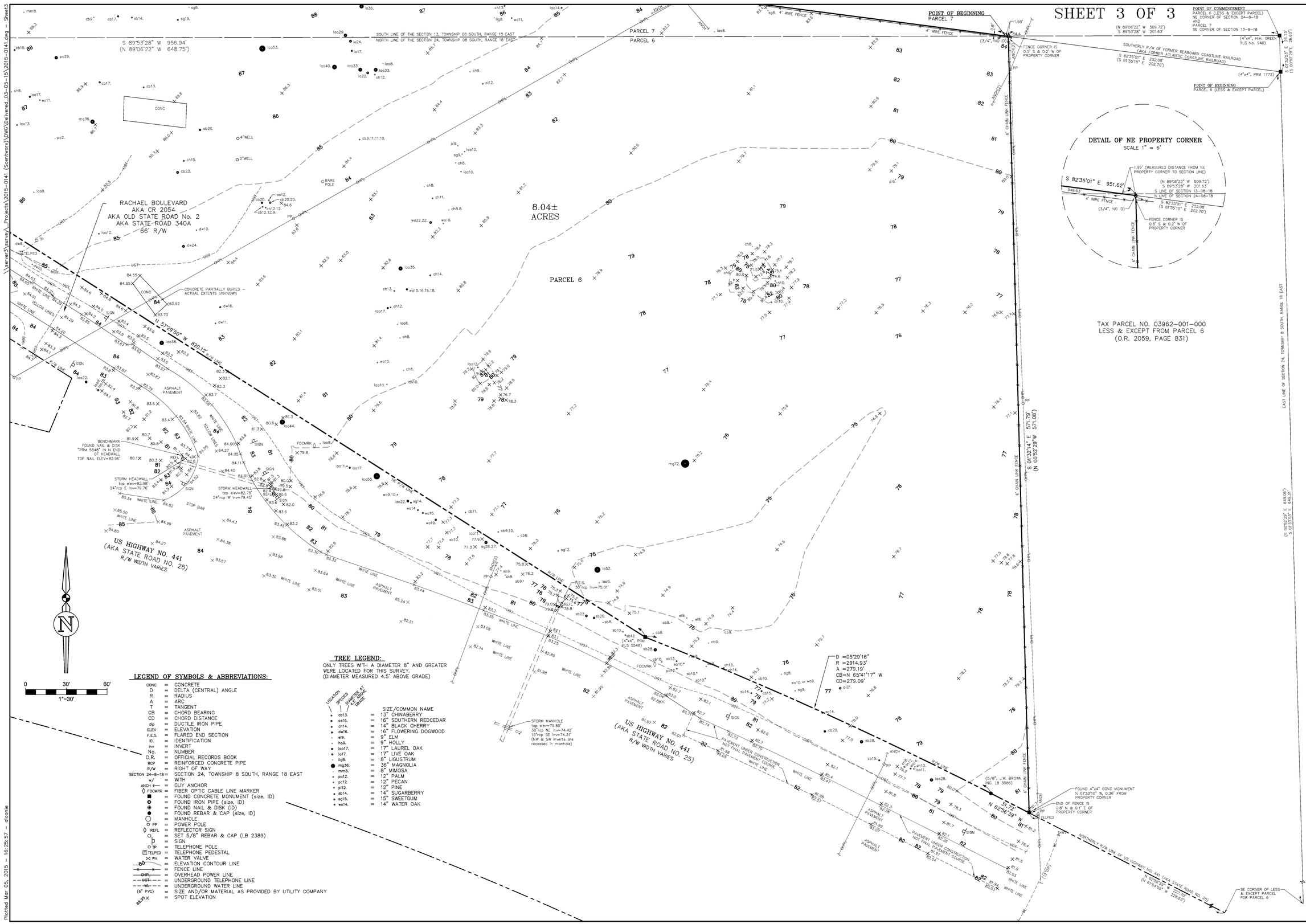
PetPetDogs, Inc.

THIS SURVEY MEETS THE MINIMUM TECHNICAL STANDARDS AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 5J-17, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES. THIS SURVEY DEPICTS THE SITE CONDITIONS AS OF 03/03/15

Sheet No.:

V-002

\\server3\survey_Projects\2015-0141 (Scentworx)\DWG\Delivered_03-05-15\2015-0141.dwg - Sheet2
Plotted Mar 05, 2015 - 16:25:57 - dloonie



LEGEND OF SYMBOLS & ABBREVIATIONS:

CONC	=	CONCRETE
D	=	DELTA (CENTRAL) ANGLE
R	=	RADIUS
A	=	ARC
T	=	TANGENT
CB	=	CHORD BEARING
CD	=	CHORD DISTANCE
dip	=	DUCTILE IRON PIPE
ELEV	=	ELEVATION
F.E.S.	=	FLARED END SECTION
ID.	=	IDENTIFICATION
Inv	=	INVERT
No.	=	NUMBER
O.R.	=	OFFICIAL RECORDS BOOK
RCP	=	REINFORCED CONCRETE PIPE
R/W	=	RIGHT OF WAY
SECTION 24-8-18	=	SECTION 24, TOWNSHIP 8 SOUTH, RANGE 18 EAST
w/	=	WITH
ANCH	=	GUY ANCHOR
FOCMRK	=	FIBER OPTIC CABLE LINE MARKER
	=	FOUND CONCRETE MONUMENT (size, ID)
	=	FOUND IRON PIPE (size, ID)
	=	FOUND NAIL & DISK (ID)
	=	FOUND REBAR & CAP (size, ID)
	=	MANHOLE
PP	=	POWER POLE
REFL	=	REFLECTOR SIGN
	=	SET 5/8" REBAR & CAP (LB 2389)
	=	SIGN
TP	=	TELEPHONE POLE
TELPED	=	TELEPHONE PEDESTAL
WV	=	WATER VALVE
80	=	ELEVATION CONTOUR LINE
	=	FENCE LINE
OHPL	=	OVERHEAD POWER LINE
UGT	=	UNDERGROUND TELEPHONE LINE
UGW	=	UNDERGROUND WATER LINE
(6" PVC)	=	SIZE AND/OR MATERIAL AS PROVIDED BY UTILITY COMPANY
88.99	=	SPOT ELEVATION

TREE LEGEND:

ONLY TREES WITH A DIAMETER 8" AND GREATER WERE LOCATED FOR THIS SURVEY.
(DIAMETER MEASURED 4.5' ABOVE GRADE)

LOCATION	SPECIES	DIAMETER AT 4.5' ABOVE GRADE		SIZE/COMMON NAME
	cb13.		=	13" CHINABERRY
	ca16.		=	16" SOUTHERN REDCEDAR
	ch14.		=	14" BLACK CHERRY
	dw16.		=	16" FLOWERING DOGWOOD
	el9.		=	9" ELM
	ho9.		=	9" HOLLY
	lao17.		=	17" LAUREL OAK
	li17.		=	17" LIVE OAK
	lig8.		=	8" LIGUSTRUM
	mg36.		=	36" MAGNOLIA
	mm8.		=	8" MIMOSA
	pa12.		=	12" PALM
	pe12.		=	12" PECAN
	pi12.		=	12" PINE
	sb14.		=	14" SUGARBERRY
	sg15.		=	15" SWEETGUM
	wo14.		=	14" WATER OAK

Plotted Mar 05, 2015 – 16:25:57 – dloonie

\\Server3\Survey_Projects\2015-0141 (Scentworx)\DWG\Delivered_03-05-15\2015-0141.dwg – Sheet3

No.	Date	Comment

FLOOD INSURANCE RATE MAP STATEMENT

THE REAL PROPERTY SHOWN HEREON LIES WITHIN ZONE(s) X (UNSHADED) AS DESIGNATED ON THE FLOOD INSURANCE RATE MAP NUMBER 12001C0140D, COMMUNITY NUMBER 120264, PANEL 0140D; EFFECTIVE DATE: 09/19/06. SAID MAP DESCRIBES ZONE(s) X (UNSHADED) AS BEING "AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN."

eda engineers-surveyors-planners, inc.
LB 2389
2404 N.W. 43rd ST. GAINESVILLE, FLORIDA 32606-6452
TEL: (352) 373-3541 FAX: (352) 373-7249
E-MAIL: mail@eda-inc.com

Project No. 2015-0141 SOC
eda engineers-surveyor-planners, inc. Corporate Authorization No. LB 2389
Drawn A.L. By: JARED ROGERS P.S.M. 6678
Check J.R.

NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER. COPYRIGHT © 2015

	Date	Drawing Completed	Received
Survey Date	03/03/15	03/04/15	

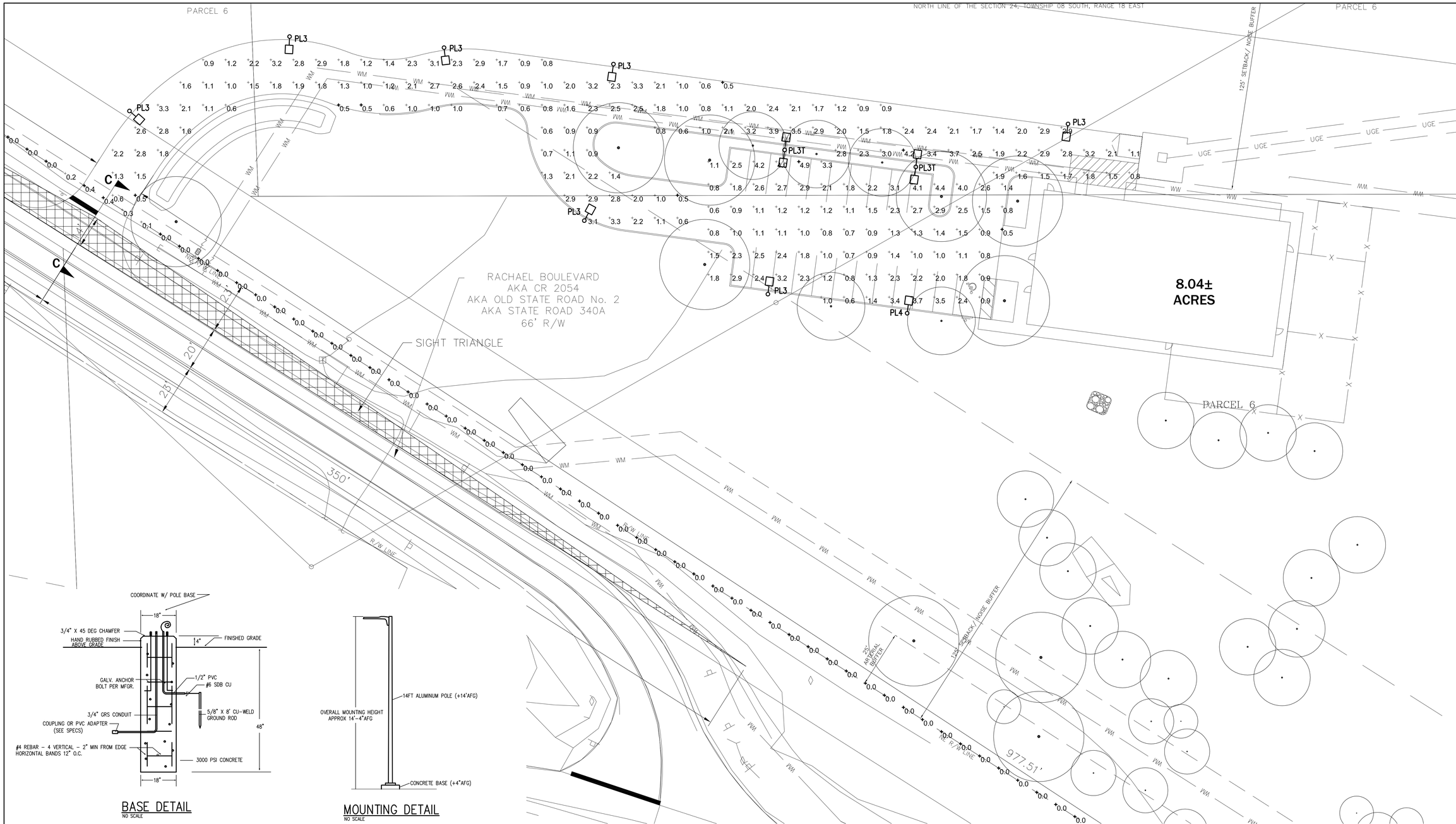
Fieldbook	Page
930	56
934	18-22

PREPARED FOR: 1) PetPeDogs, Inc.
2)
3)
4)

THIS SURVEY MEETS THE MINIMUM TECHNICAL STANDARDS AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 5J-17, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO FLORIDA STATUTE 472.027. STATUTES.
THIS SURVEY DEPICTS THE SITE CONDITIONS AS OF: 03/03/15

Sheet No.:

V-003



BASE DETAIL
NO SCALE

MOUNTING DETAIL
NO SCALE

LUMINAIRE SCHEDULE FOR PHOTOMETRICS

Symbol	Label	Qty	Manufacturer	Catalog Number	Description	Lamp	File	Lumens	LLF	MH
	PL3	7	LEOTEK	AR13-10M-MV-NW-3-DB-530-RPA FROM L12134102	26"L. X 13-1/2"W. X 8-1/4"H. LED FIXTURE OPTIC LENS		AR13-10M-MV-NW-3-XX-530 S L12134102.ies	Absolute	0.65	15
	PL4	1	LEOTEK	AR13-10M-MV-NW-4-DB-530-RPA FROM L01140502	25-3/4"L. X 13-1/2"W. X 8-3/4"H. LED LUMINAIRE LEDS WITH OPTICS		AR13-10M-MV-NW-4-XX-530 S L01140502.ies	Absolute	0.65	15
	PL3T	2	LEOTEK	AR13-10M-MV-NW-3-DB-530-RPA FROM L12134102	26"L. X 13-1/2"W. X 8-1/4"H. LED FIXTURE OPTIC LENS		AR13-10M-MV-NW-3-XX-530 S L12134102.ies	Absolute	0.65	15

ALL FIXTURES TO BE MOUNTED BELOW 15FT. PROVIDE 14FT ROUND, TAPERED, ALUMINUM POLE & CONCRETE POLE BASE. SEE DETAILS.

PHOTOMETRIC STATISTICS

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
DRIVEWAY	+	1.8 fc	4.2 fc	0.5 fc	8.4:1	3.6:1
PARKING	+	1.9 fc	4.9 fc	0.5 fc	9.8:1	3.8:1
PROPERTY LINE	+	0.0 fc	0.4 fc	0.0 fc	N / A	N / A

N

GENERAL NOTES

1. HIGHLIGHTED POINTS REPRESENT MAXIMUM/MINIMUM VALUE FOR EACH AREA.
2. FIXTURES WILL BE CONTROLLED WITH PHOTOCELL AND OPERATE DUSK–TO–DAWN.
3. POLE LIGHT LOCATIONS HAVE BEEN COORDINATED WITH EXISTING AND PROPOSED TREES.

SITE PHOTOMETRIC PLAN

SCALE: 1" = 20'

NIX ENGINEERING INC.
2711 NW 6TH ST, STE B
GAINESVILLE, FL 32609
(352) 271-9900

FLORIDA CA#8798, PE#28635
GEORGIA CA#PEF003627, PE#14888

Project Number	1521
Date	5/28/15
Designed By	KWH
Checked By	RJN

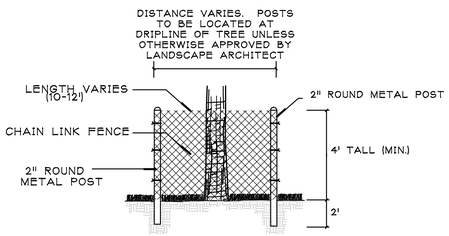
Rev	Date	Description

NIX ENGINEERING, INC.
CONSULTING ENGINEERS
2711 NW 6TH ST, STE B
GAINESVILLE, FLORIDA

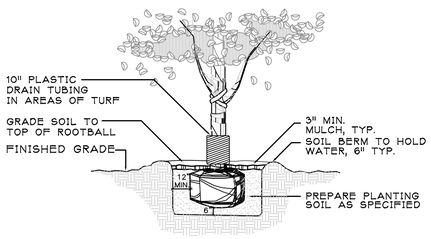
PEPE DOGS
SITE PHOTOMETRIC PLAN
RACHAEL BLVD
ALACHUA, FL

Drawing Number
E–1

LEGEND



1 LS-1 TREE PROTECTION DETAIL
N.T.S.



2 LS-1 TREE PLANTING DETAIL
N.T.S.

REQUIRED TREE MITIGATION

REGULATED TREE MITIGATION
REGULATED TREES REMOVED: 14 TREES
MITIGATION REQUIRED: TREE FOR TREE MITIGATION TOTALING 14 TREES AT LEAST 50% OF THE TOTAL REPLACEMENT TREES SHALL BE CANOPY TREES AND AT LEAST 75% SHALL BE CHOSEN FROM RECOMMENDED TREE LIST PER 6.2.1(D)(4)(b)
NOTE: ALL TREES TO BE COUNTED TOWARDS MITIGATION REPLACEMENT TREES ARE MARKED 'M' ON PLAN.
MITIGATION PROVIDED: 14 TOTAL TREES = 9 CANOPY (AO) & 5 UNDERSTORY (BN) 9 CANOPY TREES / 14 TOTAL TREES = 64.3% 14/14 ON RECOMMENDED LIST
HERITAGE TREE MITIGATION
TREES REMOVED: (0) TREES
MITIGATION REQUIRED: INCH FOR INCH MITIGATION TOTALING 0"

30% LANDSCAPED AREA REQUIREMENT

Per City of Alachua Comprehensive Plan Policy 2.4.1, which states that the minimum landscaped area must be 30% of the development site.

TOTAL SITE AREA = 351,233 S.F.= 8.06 acres
TOTAL PROPOSED LANDSCAPED AREA.....278,382 S.F. = 79.3%

TREE PRESERVATION CREDIT ALLOCATION SUMMARY

Based on Tree Preservation Credit Chart on LS-2

TOTAL TREE PRESERVATION CREDITS.....70
TREE PRESERVATION CREDITS ALLOCATED.....70
TREE PRESERVATION CREDITS REMAINING.....0

SITE LANDSCAPE CALCULATIONS Section 6.2.2(D)(1)(c)

DESCRIPTION	TREE REQUIREMENTS	TREES PROVIDED
PRIMARY SIDE CANOPY TREES (WESTERN SIDE OF SITE)	3 Trees per Acre 3 Trees x 8 Acres = 24 Trees	12 Trees Credits +12 Trees Provided
	24 Canopy Trees Required	24 Total Trees Provided
SIDE AND REAR CANOPY TREES	2 Trees per Acre per side and rear	
NORTH SIDE CANOPY TREES	2 Trees x 8 Acres= 16 Trees	5 Existing + 11 Tree Credits
SOUTH SIDE CANOPY TREES	2 Trees x 8 Acres= 16 Trees	17 Trees Provided
REAR SIDE (EASTERN) CANOPY TREES	2 Trees x 8 Acres= 16 Trees	19 Trees Provided
	48 Canopy Trees Required	52 Total Trees Provided
SITE UNDERSTORY TREES	6 Trees per Acre 6 Trees x 8 Acres = 48 Trees	
	50% in Front= 24 Trees	18 Tree Credits+ 2 Existing + 4 Proposed
	25% on South Side = 12 Trees	14 Proposed
	25% on North Side = 12 Trees	12 Tree Credits
	48 Understory Trees Required	50 Total Trees Provided
BUILDING FACADE	60 L.F. 60 L.F./100' = 0.6 0.6 x 4 trees = 3 Trees	2 Trees Provided 1 Tree Credit
	3 Canopy Trees Required	3 Total Trees Provided
	Shrub massing at front facade	Shrub Massing Provided

PERIMETER BUFFER LANDSCAPE REQUIREMENTS

Section 6.2.2(D)(3)

LOCATION	BUFFER LENGTH & TYPE		LANDSCAPE REQUIRED	LANDSCAPE PROVIDED
WESTERN PERIMETER	125 L.F.	BUFFER TYPE 'D' 15' Wide OPTION 1	2 Canopy Trees/ 40 L.F.= 6 Canopy Trees Required	6 Tree Credits
			Evergreen hedge	Evergreen hedge
EASTERN PERIMETER	571 L.F.	BUFFER TYPE 'A' 7.5' Wide OPTION 1	1 Canopy Tree/ 60 L.F.= 10 Canopy Trees Required	10 Canopy Provided
			1 Understory Tree/ 60 L.F. 10 Understory Trees	8 Understory Provided + 2 Tree Credits

ARTERIAL FRONTAGE BUFFER

Sec. 6.2.3(E): 5 Canopy and 3 Understory trees per 100' of arterial frontage + continuous hedge

LOCATION	TREE & SHRUB REQUIREMENTS	TREES & SHRUBS PROVIDED
U.S. HIGHWAY 441 FRONTAGE	541' Arterial Frontage	
	541/100= 5.41 x 5 = 27 Canopy required	8 Existing Canopy + 19 Canopy Provided
	541/100= 5.41 x 3 = 16 Understory required	16 Understory Provided
	Continuous row of shurbs required	Continuous row of shurbs provided

PERIMETER PARKING AREA LANDSCAPE REQUIREMENTS

Sec. 6.2.2(D)(2)(b): 4 Canopy and 2 Understory trees per 100 lin. ft.

PARKING PERIMETER LENGTH	TREE & SHRUB REQUIREMENTS	TREES & SHRUBS PROVIDED
300 L.F. Parking Perimeter	12 Canopy Trees	11 Canopy Provided + 1 Existing Tree
	6 Understory Trees	6 Tree Credits
	18 Trees Required	18 Total Trees Provided
	Continuous Evergreen Hedge	Continuous Evergreen Hedge Provided

INTERIOR PARKING AREA LANDSCAPE REQUIREMENTS

Sec. 6.2.2(D)(2)(a): 1 Canopy tree for every 2,000 S.F. 10 shrubs for every tree.

PARKING AREA	TREE & SHRUB REQUIREMENTS	TREES & SHRUBS PROVIDED
PROPOSED PARKING	20,557 S.F. 20,577 S.F./2000 S.F. = 10 trees required	8 Trees Provided + 2 Tree Credits
	10 (trees) x 10 (shrubs) = 100 shrubs required	330 shrubs provided

GENERAL NOTES

ALL ASPHALT, LIMEROCK, AND CONSTRUCTION DEBRIS TO BE REMOVED FROM PLANTING BEDS AND AREAS TO BE SODDED PRIOR TO LANDSCAPE INSTALLATION. PLANTING DEPTH OF SOIL IN SUCH AREAS SHOULD BE AT LEAST 3'. IF FILL MUST BE ADDED, IT MUST BE FLORIDA CLEAN DEEP FILL (FREE OF WEED SEEDS) WITH pH 5.5-6.5.

CANOPY TREES SHALL BE A MINIMUM OF EIGHT (8) FEET IN HEIGHT AND ORNAMENTAL OR UNDERSTORY TREES SHALL HAVE A MINIMUM CALIPER OF ONE AND A HALF (1.5) INCHES, UNLESS OTHERWISE SPECIFIED BY THE LANDSCAPE ARCHITECT.

ALL TREES TO BE PLANTED 1"-2" ABOVE FINISHED GRADE.

ALL LANDSCAPED AREAS TO BE MULCHED WITH 3" THICKNESS OF MULCH. PINE BARK 'MINI NUGGET' MULCH SHALL BE USED IN ALL AREAS, EXCEPT RETENTION AREAS. PINE STRAW MULCH SHALL BE USED IN RETENTION AREAS.

TREES OUTSIDE OF MULCHED LANDSCAPED BEDS TO BE PROTECTED FROM MOWER AND STRING TRIMMER DAMAGE WITH 10" OF PLASTIC DRAIN TUBE.

LEADER SHOOTS AND MAIN STRUCTURAL LIMBS OF TREES WILL NOT BE TOPPED OR PRUNED. TREES TO BE STAKED AS NEEDED, GUYLINES TO BE NON-SYNTHETIC BIODEGRADABLE MATERIAL.

OWNER SHALL BE RESPONSIBLE FOR (1) THE SURVIVAL OF THE LANDSCAPING ELEMENTS FOR ONE YEAR, AND (2) REMOVAL OF ALL STAKING SYSTEMS WITHIN ONE YEAR. TREES WILL BE STAKED ONLY IF NECESSARY, AND IF STAKED, BIODEGRADABLE TWINE WILL BE USED.

GRASSING

ALL DISTURBED AND UNPAVED AREAS TO BE GRASSED WITH NOXIOUS WEED AND TROPICAL SODA APPLE FREE SOD OR SEEDED AND MULCHED. SEE CIVIL SITE PLANS FOR ADDITIONAL RELATED INFORMATION.

PLANT MATERIAL

ALL PLANT MATERIAL TO BE FLORIDA NO.1 OR BETTER, GRADED IN ACCORDANCE WITH GRADES AND STANDARDS FOR NURSERY PLANTS PUBLISHED BY THE STATE OF FLORIDA, DEPARTMENT OF AGRICULTURE.

TREE MITIGATION

TREE MITIGATION FOR THE REGULATED TREES TO BE REMOVED - SHALL BE PROVIDED ON A 1 FOR 1 BASIS.

10% OPEN SPACE AREA REQUIREMENT

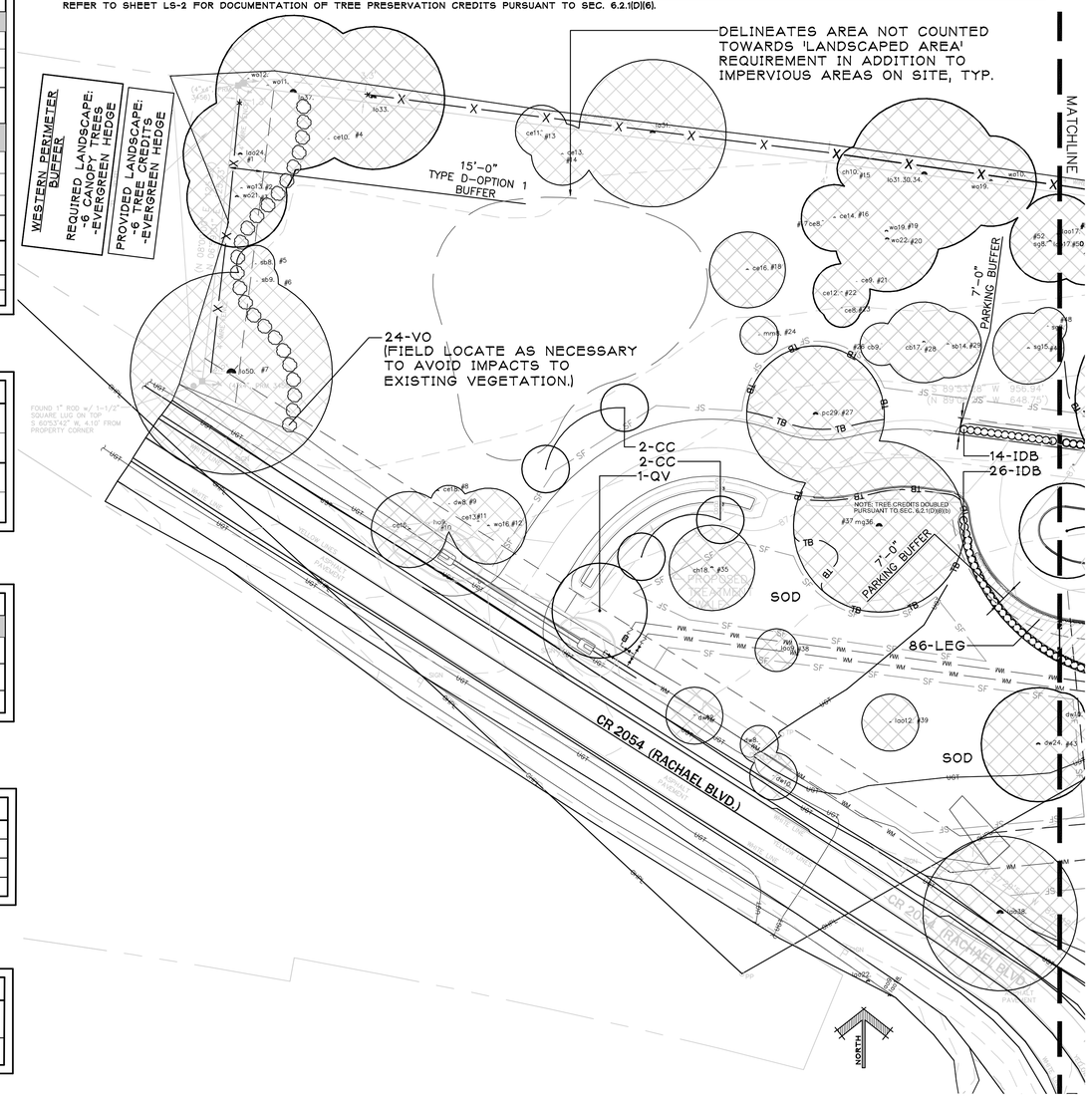
CITY OF ALACHUA LDR SECTION 6.7.3 (A) STATES THAT THE MINIMUM OPEN SPACE SET-ASIDE SHALL BE 10% OF THE DEVELOPMENT SITE. THIS REQUIREMENT IS MET BY THE CALCULATIONS FOR 30% LANDSCAPE, SHOWN ADJACENT, WHICH INCLUDE LANDSCAPED BUFFERS, BASINS, AND OTHER LANDSCAPED AREAS.

IRRIGATION

LANDSCAPE IRRIGATION TO BE PROVIDED BY AUTOMATIC IRRIGATION SYSTEM IN ACCORDANCE WITH CITY OF ALACHUA LDR SECTION 6.2.2(D)(6)(b)(vi).
See IR-1 and IR-2.

TREE PRESERVATION CREDITS

REFER TO SHEET LS-2 FOR DOCUMENTATION OF TREE PRESERVATION CREDITS PURSUANT TO SEC. 6.2.1(D)(6).



Buford Davis + Associates
landscape architects site planners
2406 NW 43rd Street
Gainesville, Florida 32606
352.335.1896 tel
352.373.6407 fax
Certificate of Authorization No. 0000033

PEPE DOGS

10908 RACHAEL BLVD.
ALACHUA, FLORIDA

CONSULTANT:

SEAL:

PROJECT NO:	15-011
DRAWN BY:	JJT/MD
CHECKED BY:	CEM/EJB
DATE:	31 MAR 2015
REVISIONS:	REV 1- 20 APR 2015
	REV 2- 28 MAY 2015
	REV 3- 11 JUN 2015
	REV 4- 30 JUN 2015

DRAWING SCALE:
0 15 30 60
FEET

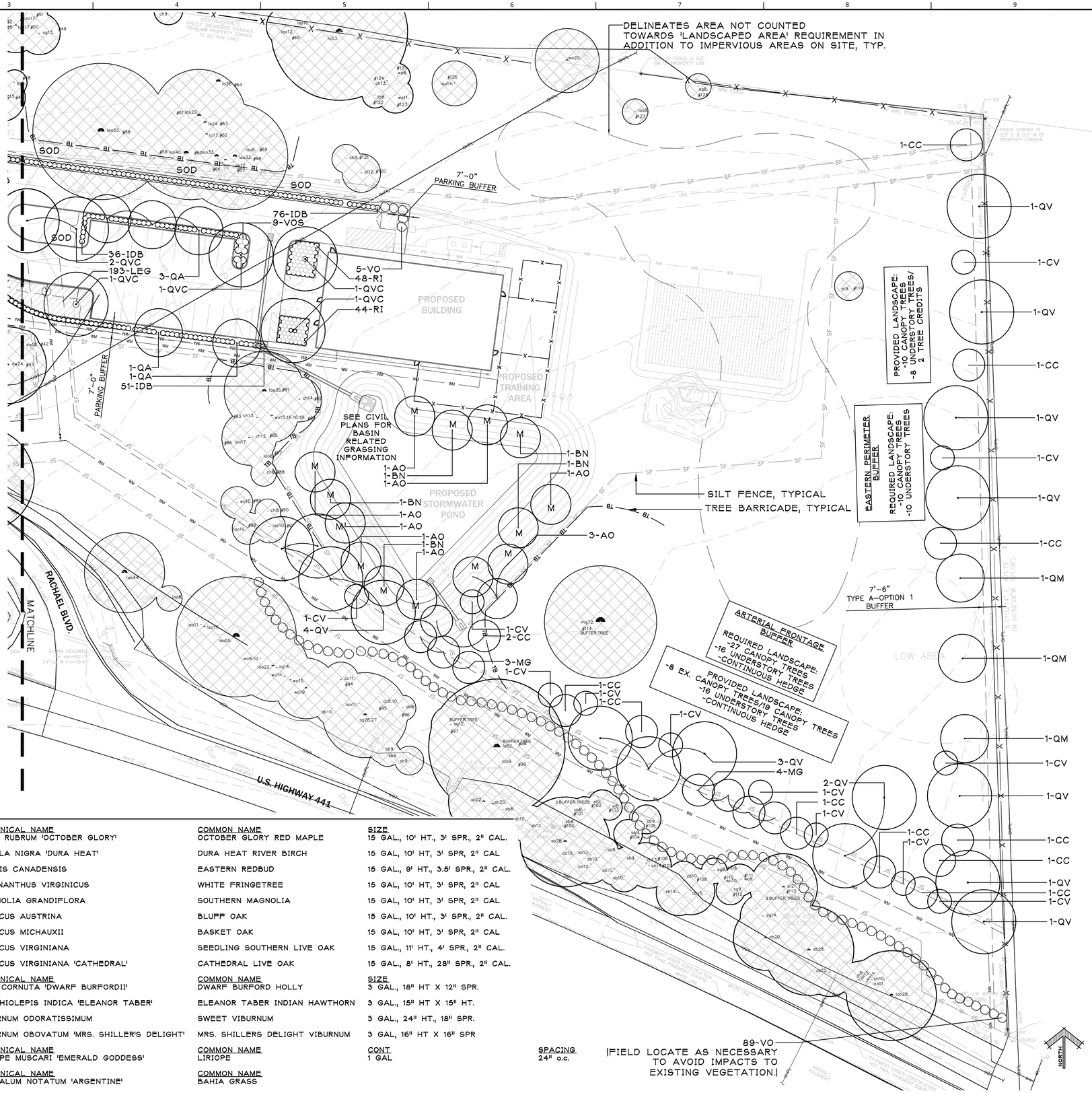
DRAWING TITLE:
LANDSCAPE PLAN

ISSUED FOR:
SITE PLAN REVIEW

DRAWING NUMBER:
LS-1

SHEET: 1 OF 4

PLOTDATE: 06/29/2015 3:57 PM USER: MAX DELEDDA
FILENAME: Z:\CLIENTS\15-011 PEPE DOGS\01_BDA\02_SPR\01_SHEETS\15-011_PEPE-DOGS_BDA_SPR.DWG



TREE PRESERVATION CREDITS

NOTE: ALL LAUREL AND WATER OAKS TO REMAIN ARE NOT BEING USED FOR PRESERVATION CREDIT

TREE NUMBER	TREE TYPE	DBH	CREDIT
8	CEDAR	18	3
11	CEDAR	13	3
16	CEDAR	14	3
18	CEDAR	16	3
22	CEDAR	12	2
9	DOGWOOD	8	2
42	DOGWOOD	10	2
10	HOLLY	9	2
7	LIVE OAK	50	9
98	LIVE OAK	52	9
37	MAGNOLIA	36	12
114	MAGNOLIA	72	9
27	PECAN	29	5
47	SWEETGUM	15	3
49	SWEETGUM	13	3
	TOTAL CREDITS:		70

PLANT SCHEDULE

TREES	QTY	BOTANICAL NAME	COMMON NAME	SIZE
AO	10	ACER RUBRUM 'OCTOBER GLORY'	OCTOBER GLORY RED MAPLE	15 GAL., 10' HT., 3' SPR., 2" CAL.
BN	5	BETULA NIGRA 'DURA HEAT'	DURA HEAT RIVER BIRCH	15 GAL., 10' HT, 3' SPR, 2" CAL
CC	17	CERCIS CANADENSIS	EASTERN REDBUD	15 GAL., 9' HT., 3.5' SPR., 2" CAL.
CV	12	CHIONANTHUS VIRGINICUS	WHITE FRINGETREE	15 GAL., 10' HT, 3' SPR, 2" CAL
MG	7	MAGNOLIA GRANDIFLORA	SOUTHERN MAGNOLIA	15 GAL., 10' HT, 3' SPR, 2" CAL
QA	5	QUERCUS AUSTRINA	BLUFF OAK	15 GAL., 10' HT., 3' SPR., 2" CAL.
QM	3	QUERCUS MICHAUXII	BASKET OAK	15 GAL, 10' HT, 3' SPR, 2" CAL
QV	17	QUERCUS VIRGINIANA	SEEDLING SOUTHERN LIVE OAK	15 GAL., 11' HT., 4' SPR., 2" CAL.
QVC	5	QUERCUS VIRGINIANA 'CATHEDRAL'	CATHEDRAL LIVE OAK	15 GAL., 8' HT., 28" SPR., 2" CAL.
SHRUBS	**QTY**	**BOTANICAL NAME**	**COMMON NAME**	**SIZE**
IDB	203	ILEX CORNUTA 'DWARF BURFORDII'	DWARF BURFORD HOLLY	3 GAL., 18" HT X 12" SPR.
RI	92	RHAPHIOLEPIS INDICA 'ELEANOR TABER'	ELEANOR TABER INDIAN HAWTHORN	3 GAL., 15" HT X 15" HT.
VO	118	VIBURNUM ODORATISSIMUM	SWEET VIBURNUM	3 GAL., 24" HT., 18" SPR.
VOS	9	VIBURNUM OBOVATUM 'MRS. SHILLER'S DELIGHT'	MRS. SHILLERS DELIGHT VIBURNUM	3 GAL, 16" HT X 16" SPR
GROUND COVERS	**QTY**	**BOTANICAL NAME**	**COMMON NAME**	**CONT**
LEG	279	LIRIOPE MUSCARI 'EMERALD GODDESS'	LIRIOPE	1 GAL
SOD/SEED		**BOTANICAL NAME**	**COMMON NAME**	
SOD		PASPALUM NOTATUM 'ARGENTINE'	BAHIA GRASS	

SPACING
24" o.c.

Buford Davis + Associates
landscape architects site planners
2406 NW 43rd Street
Gainesville, Florida 32606
352.335.1896 tel
352.373.6407 fax
Certificate of Authorization No. 0000033

PEPE DOGS

10908 RACHAEL BLVD.
ALACHUA, FLORIDA

CONSULTANT:

SEAL:

PROJECT NO:	15-011
DRAWN BY:	JJT/MD
CHECKED BY:	CEM/EJB
DATE:	31 MAR 2015
REVISIONS:	REV 1- 20 APR 2015
	REV 2- 28 MAY 2015
	REV 3- 11 JUN 2015
	REV 4- 30 JUN 2015

DRAWING SCALE:
0 15 30 60
FEET

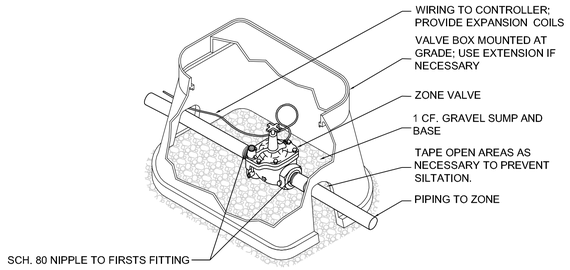
DRAWING TITLE:
LANDSCAPE PLAN

ISSUED FOR:
SITE PLAN REVIEW

DRAWING NUMBER:
LS-2

SHEET: 2 OF 4

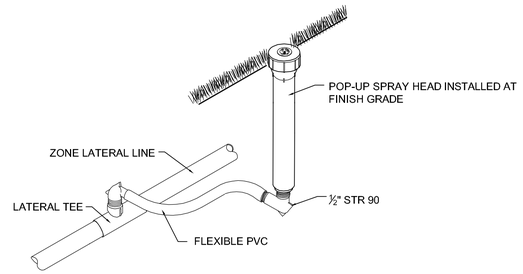
PLOTDATE: 06/29/2015 4:48 PM USER: MAX DELEDDA
FILENAME: Z:\CLIENTS\15-011 PEPE DOGS\01_BDA\02_SPR\01_SHEETS\15-011_PEPE-DOGS_BDA_SPR.DWG



INSTALL TOP OF VALVE A MAXIMUM OF 15" FROM FINISHED GRADE.

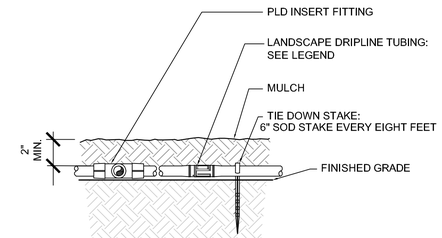
ZONE VALVE INSTALLATION DETAIL

SCALE: NTS



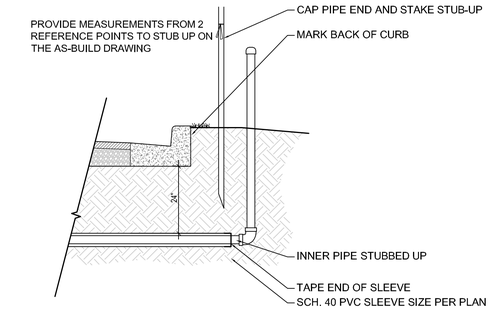
SPRAY HEAD INSTALLATION DETAIL

SCALE: NTS



DRIPLINE INSTALLATION DETAIL

SCALE: NTS



SLEEVING ROUGH-IN DETAIL

SCALE: NTS

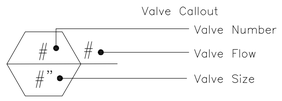
IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL	ARC	PSI	GPM	RADIUS
◀	Hunter PROS-12 15 Strip Series	EST	30	0.61	4'x15'
◁	Hunter PROS-12 15 Strip Series	SST	30	1.21	4'x30'
◐	Hunter PROS-12 8 Series MPR	180	30	0.52	8'
◑	Hunter PROS-12 10 Series MPR	180	30	0.79	10'
◐	Hunter PROS-12 12 Series MPR	180	30	1.30	12'
◑	Hunter PROS-12 15 Series MPR	180	30	1.85	15'
◔	Hunter PROS-12 15 Series MPR	90	30	0.92	15'
H	Hunter PROS-12 w/Maxiej ARCGHFG09H	90	30	0.25	5'

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
▤	Area to Receive Dripline Hunter PLD-10-12 On-Surface Pressure Compensating Landscape Dripline. 0.9GPH emitters at 12.0" O.C. Dripline laterals spaced at 16.0" apart, with emitters offset for triangular pattern. UV Resistant.

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
◔	Hunter PGV-101G in 12" Valve Box
◔	Hunter ICZ-101 in Jumbo Valve Box
BF	Wilkins 975XL 1" Backflow Preventer
C	Hunter PCC-600 6 Station Controller
S	Hunter Miniclik Rain Sensor
M	Water Meter ¾"
———	Irrigation Lateral Line: PVC Class 160
— — —	Irrigation Mainline: PVC 1-1/2" Class 200 SDR 21
- - - -	Pipe Sleeve: PVC Schedule 40 Extend sleeves 18 inches beyond edges of paving or construction.

NOTE: CONFIRM CONTROLLER LOCATION WITH OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION



Buford Davis + Associates
landscape architects site planners
2406 NW 43rd Street
Gainesville, Florida 32606
352.335.1896 tel
352.373.6407 fax
Certificate of Authorization No. 0000033

PEPE DOGS

10908 RACHAEL BLVD.
ALACHUA, FLORIDA

CONSULTANT:

SEAL:

PROJECT NO:	15-011
DRAWN BY:	JJT/MD
CHECKED BY:	CEM/EJB
DATE:	31 MAR 2015
REVISIONS:	REV 1- 20 APR 2015
	REV 2- 28 MAY 2015
	REV 3- 11 JUN 2015
	REV 4- 30 JUN 2015

DRAWING SCALE:

0 15 30 60
FEET

DRAWING TITLE:

IRRIGATION DETAILS, SCHEDULE, & PLAN

ISSUED FOR:

SITE PLAN REVIEW

DRAWING NUMBER:

IR-1

SHEET: 3 OF 4

PLOTDATE: 06/29/2015 5:04 PM USER: MAX DELEDDA
FILENAME: Z:\CLIENTS\15-011 PEPE DOGS\01_BDA\02_SPR\01_SHEETS\15-011_PEPE-DOGS_BDA_SPR_IRR.DWG

Buford Davis + Associates
landscape architects site planners

2406 NW 43rd Street
Gainesville, Florida 32606
352.335.1896 tel
352.373.6407 fax
Certificate of Authorization No. 0000033

PEPE DOGS

10908 RACHAEL BLVD.
ALACHUA, FLORIDA

CONSULTANT:

SEAL:

PROJECT NO:	15-011
DRAWN BY:	JJT/MD
CHECKED BY:	CEM/EJB
DATE:	31 MAR 2015
REVISIONS:	REV 1- 20 APR 2015
	REV 2- 28 MAY 2015
	REV 3- 11 JUN 2015
	REV 4- 30 JUN 2015

DRAWING SCALE:

0 15 30 60
FEET

DRAWING TITLE:

IRRIGATION PLAN

ISSUED FOR:

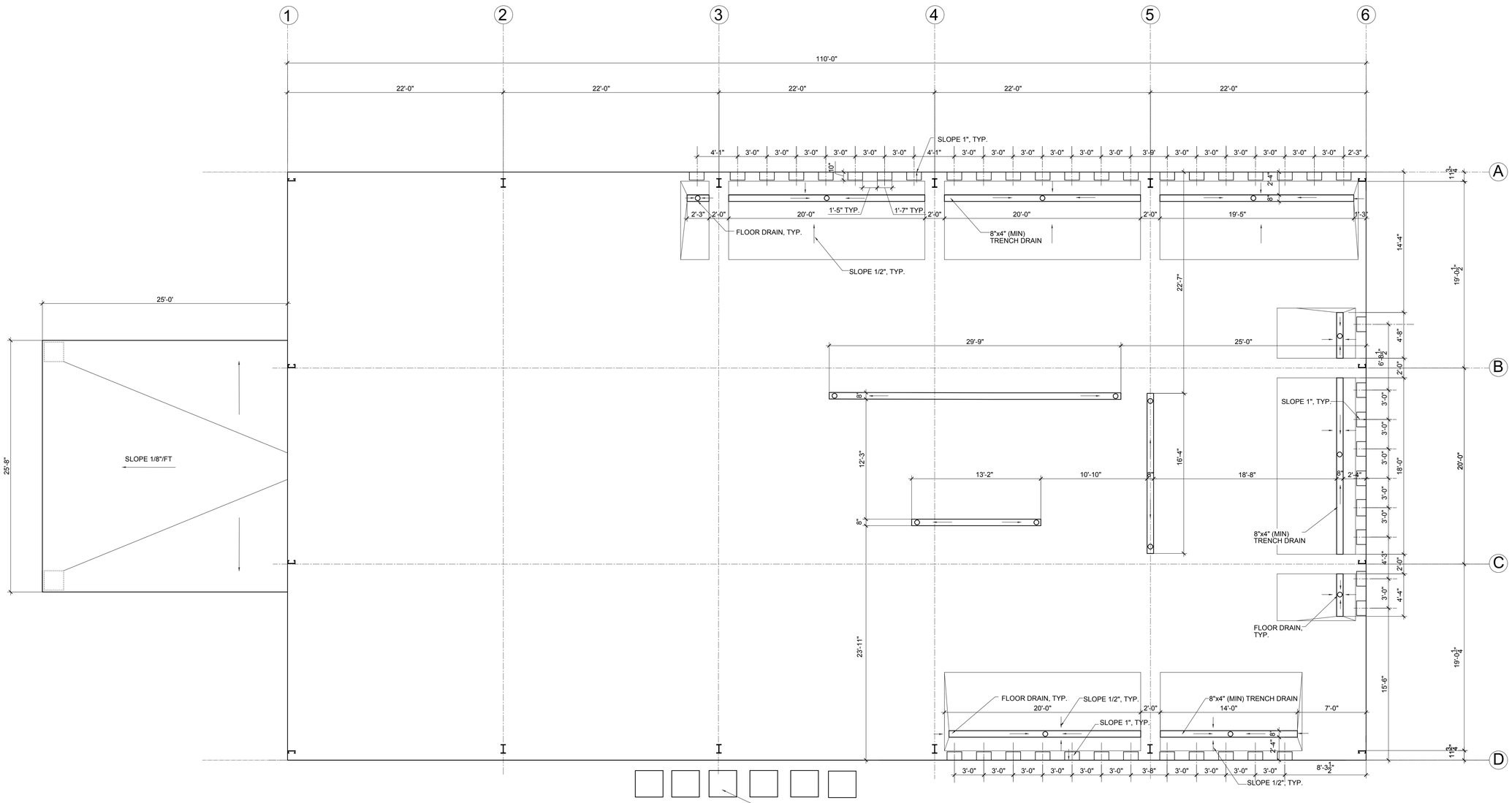
SITE PLAN REVIEW

DRAWING NUMBER:

IR-2

SHEET: 4 OF 4

PLOTDATE: 06/29/2015 5:11 PM USER: MAX DELEDDA
FILENAME: Z:\CLIENTS\15-011 PEPE DOGS\01_BDA\02_SPR\01_SHEETS\15-011_PEPE-DOGS_BDA_SPR_IRR.DWG



NOTE: 1. SEE STRUCTURAL FOUNDATION PLAN BY DRISCOLL ENGINEERING, INC.
2. FILL SLAB CONTROL JOINTS WITH SEALANT RATED FOR TRAFFIC.

LEGEND: SLOPE 1/8" PER FOOT IN TRENCH DRAIN

SLAB PLAN

SCALE: 3/16"= 1'-0"

NORTH

Pepedogs Facility
10908 Rachel Boulevard
Alachua, Florida

Architecture
Planning
Interiors
Andrew Kaplan, architect
Lic. No. AR7873
P.O. Box 13893, Gainesville, FL 32604
Ph: 352.373.2726 /Email: kaplanarchitect@cox.net

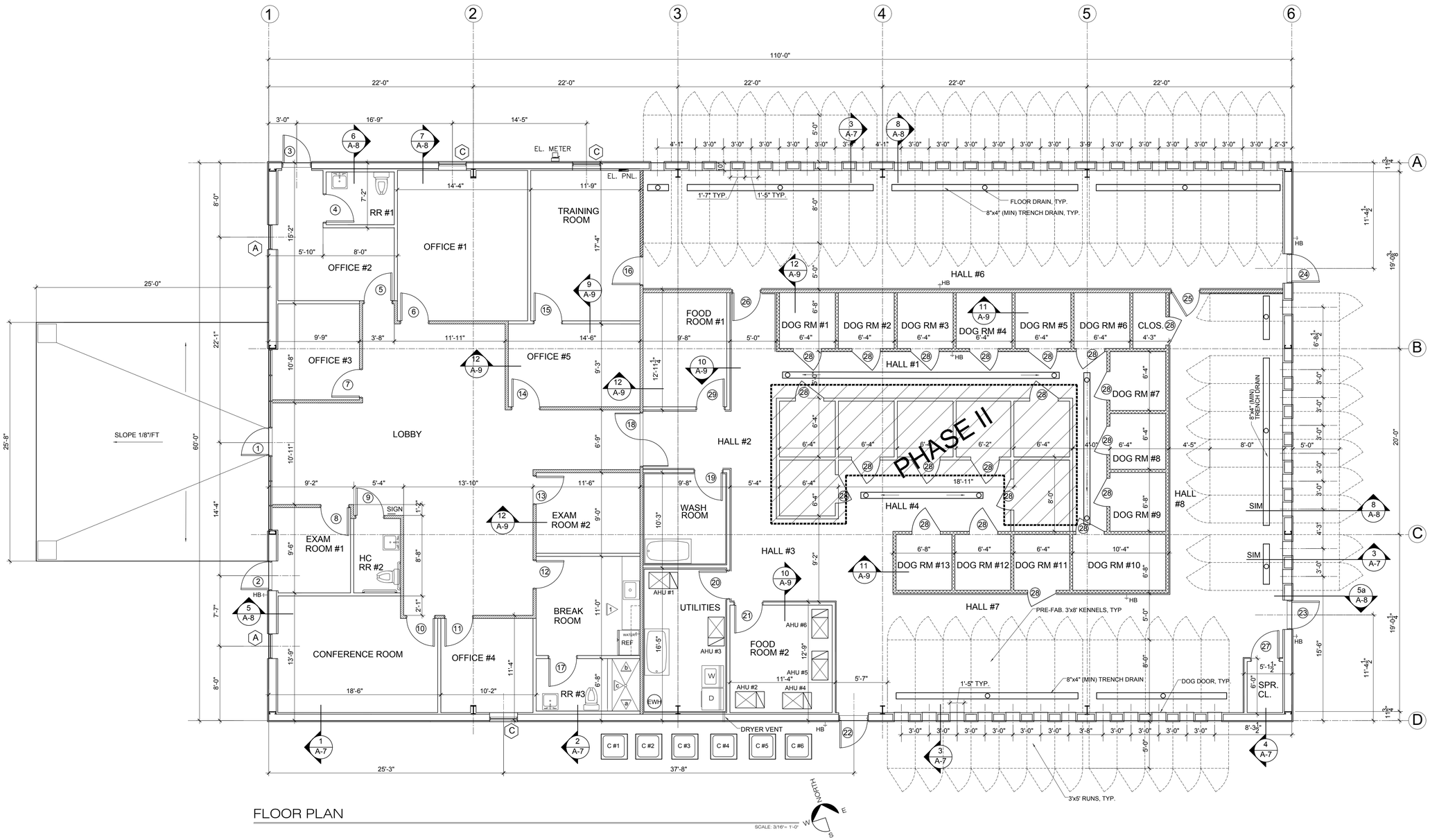
Copyright Andrew Kaplan Architect 2015

Project Number: 2015-8
Date: 6-12-15

A-1
Sheet of 17

LEGEND

- 3 5/8" MTL STUD PARTITION WALLS TO 10'-0" AFF
- 3 5/8" MTL STUD PARTITION WALLS TO ROOF DECK
- 3 5/8" MTL STUD PARTITION WALLS TO 8'-0" AFF
- 3 5/8" MTL STUD PARTITION WALLS w/ FRP PANELS ON WALL TO 4'-0" AFF, TYP.



FLOOR PLAN

SCALE: 3/16"= 1'-0"

Pepedogs Facility
10908 Rachel Boulevard
Alachua, Florida

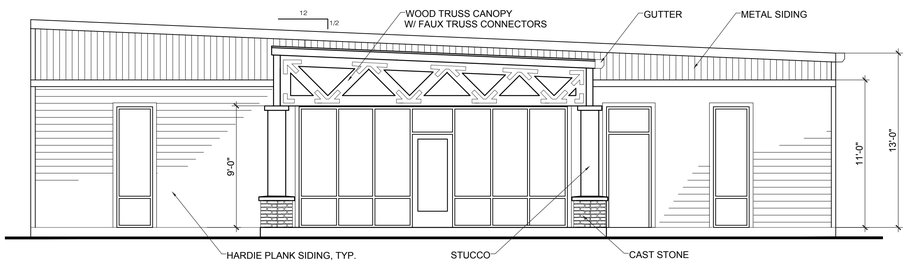
Copyright Andrew Kaplan Architect 2015

Architecture
Planning
Interiors
Andrew Kaplan, architect
Lic. No. AR7973
P.O. Box 13893, Gainesville, FL 32604
Ph: 352.373.2726 /Email: kaplanarchitect@cox.net

Project Number: 2015-8
Date: 6-12-15

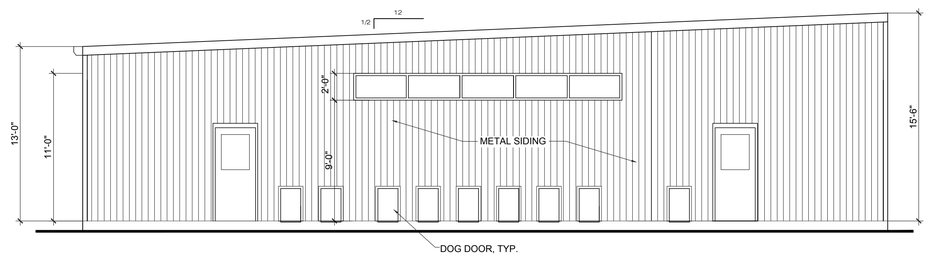
A-2
Sheet of 17

FRONT ELEVATION AREA = 855 SQ.FT.
FRONT ELEVATION GLAZING = 235 Q.FT. = 27%



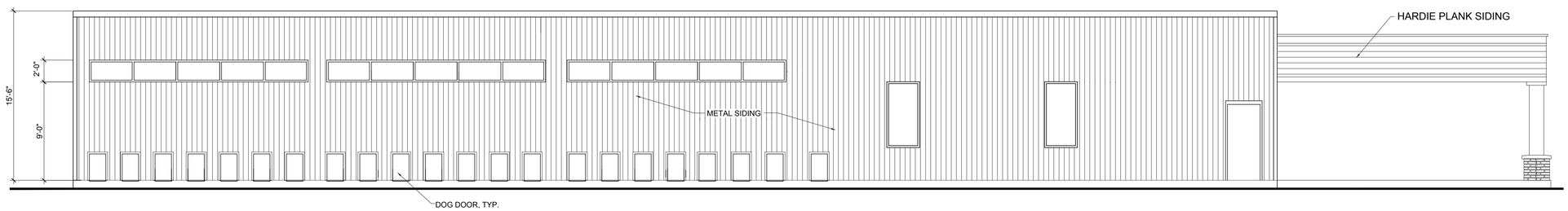
WEST ELEVATION

SCALE: 3/16"= 1'-0"



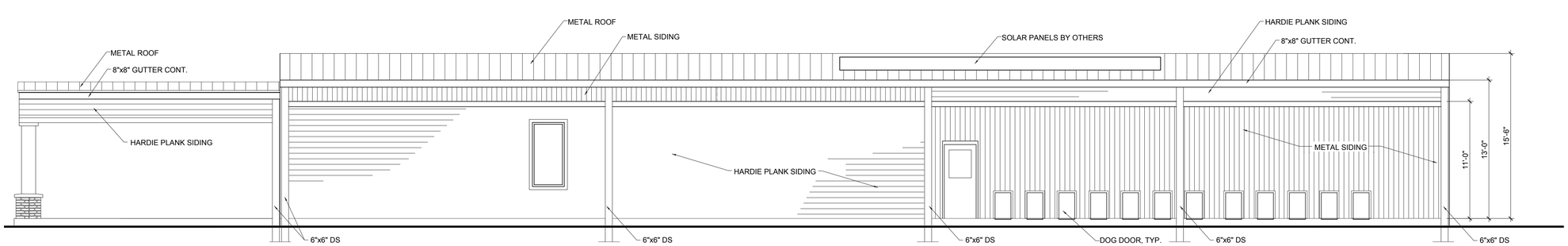
EAST ELEVATION

SCALE: 3/16"= 1'-0"



NORTH ELEVATION

SCALE: 3/16"= 1'-0"



SOUTH ELEVATION

SCALE: 3/16"= 1'-0"

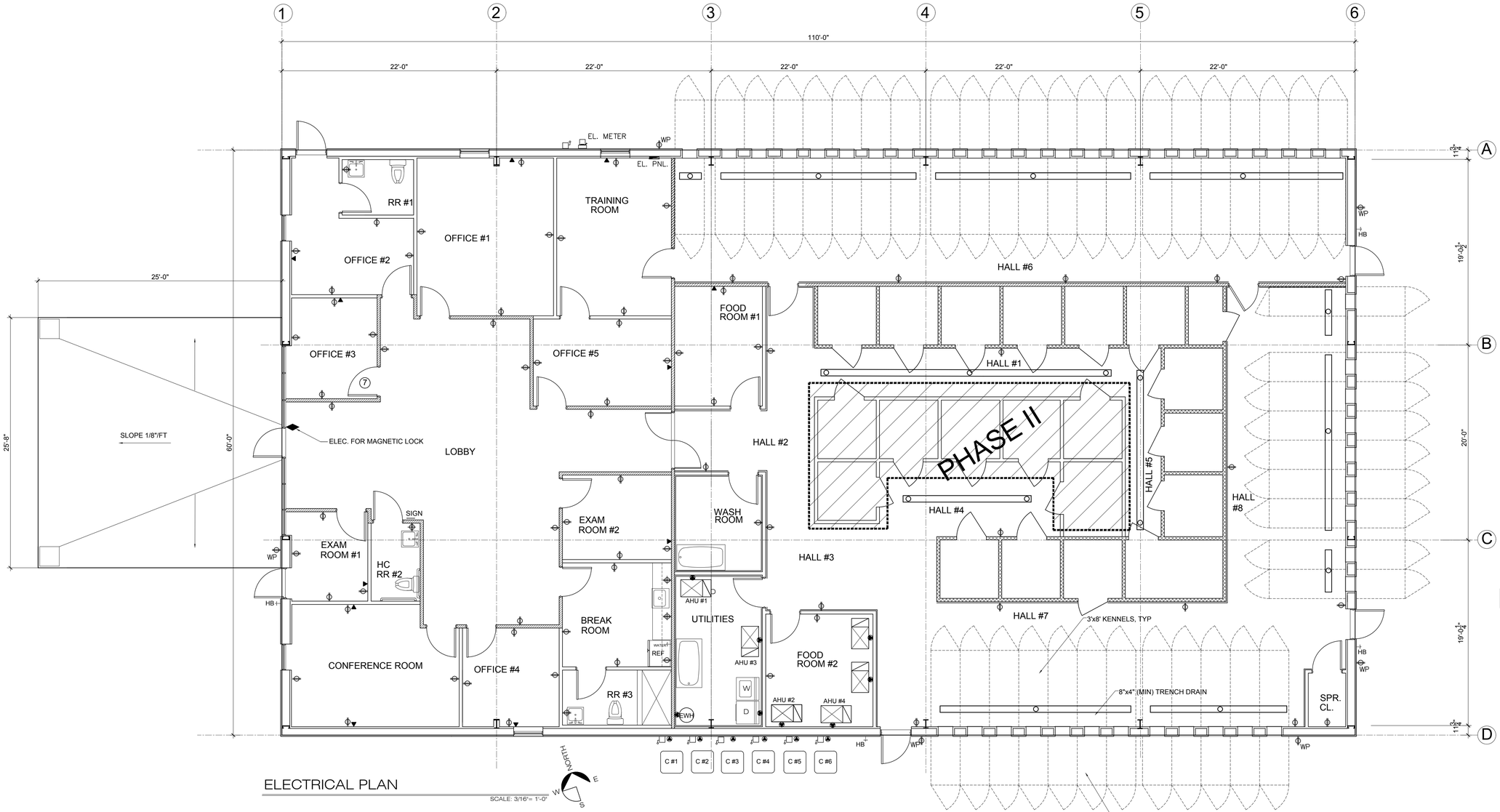
Pepedogs Facility
10908 Rachel Boulevard
Alachua, Florida

Copyright Andrew Kaplan Architect 2015

Architecture
Planning
Interiors
Andrew Kaplan, architect
Lic. No. AR7873
P.O. Box 13893, Gainesville, FL 32604
Ph: 352.373.2726 /Email: kaplanarchitect@cox.net

Project Number: 2015-8
Date: 6-12-15

A-3
Sheet of 17



ELECTRICAL PLAN

SCALE: 3/16"= 1'-0"

LEGEND

- DATA, TELEPHONE BOX OUTLET
- ELECTRIC RECEPTACLE
- ELECTRIC GFI RECEPTACLE @ 44"A.F.F.
- SPECIAL PURPOSE CONNECT
- WATER PROOF RECEPTACLE
- PANELBOARDS
- METER CAN
- DISCONNECT
- AC HEAT PUMP UNIT
- AIR HANDLING UNIT
- ELEC. FOR MAGNETIC LOCK

General Lighting 6600 sq. x 125 % x 3.5 VA	=	28,875 VA
Receptacles 6600 x1 VA	=	6600 VA
Signage 1200 VA x125%	=	1500 VA
A/C - 6 x 50a x 230volt	=	6900 VA
Largest Motor 1150 VA x 25%	=	287.5 VA
Total VA		44,162.5 VA

44,162.5 VA/ 230 V = 192.1 VA

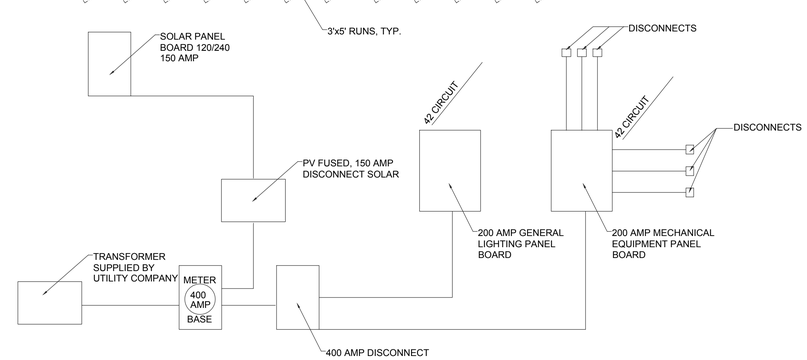
250 AMPS x .80% = 200 VA

400 AMP SERVICE

2- 200 AMP PANEL BOARDS WITH MIN. 42 CIRCUIT SPACES

FEEDER SIZES WILL BE 3/0 COPPER FOR THE LINES AND NEUTRAL.

ELECTRICAL LOAD



ELECTRICAL RISER DIAGRAM

N.T.S.

Pepedogs Facility
10908 Rachel Boulevard
Alachua, Florida

Architecture
Planning
Interiors

Andrew Kaplan, architect
Lic. No. AR7873
P.O. Box 13893, Gainesville, FL 32604
Ph: 352.373.2726 /Email: kaplanarchitect@cox.net

Copyright Andrew Kaplan Architect 2015

Project Number: 2015-8
Date: 6-12-15

A-5
Sheet of 17