

FINAL DEVELOPMENT PLANS

FOR:

THE GOLF PLAZA

CITY OF ALACHUA

SECTION 27, 28, TOWNSHIP 8 SOUTH, RANGE 19 EAST

SUBMITTED TO:

CITY OF ALACHUA

SUWANNEE RIVER WATER MANAGEMENT DISTRICT

FLORIDA DEPARTMENT OF TRANSPORTATION

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

GENERAL NOTES

1. DEVELOPMENT DATA:

TOTAL SITE AREA =	359,272 S.F.	100.0%	8.25 ACRES
TOTAL IMPERVIOUS AREA =	103,426 S.F.	28.8%	
OPEN SPACE =	255,846 S.F.	71.2%	

DESCRIPTION: THE PROPOSED GOLF PLAZA PROJECT WILL CONSIST OF THREE COMMERCIAL BUILDINGS AND THE ASSOCIATED PARKING, STORMWATER IMPROVEMENTS AND UTILITIES.

ZONING & LAND USE DESIGNATION:
ZONING = PLANNED UNIT DEVELOPMENT (PUD)
FUTURE LAND USE = COMMERCIAL

2. MINIMUM BUILDING / YARD SETBACKS PER PUD ZONING ARE AS FOLLOWS:

PRIMARY BUILDING	
FRONT:	0
SIDE:	0
REAR:	0
MINIMUM LOT AREA:	0
MINIMUM LOT WIDTH:	0
MAX BUILDING HEIGHT:	0
MAX LOT COVERAGE:	0

3. PARKING CALCULATIONS:

REQUIRED PARKING SPACES

RETAIL (1 SPACE PER 305 SF OF FLOOR SPACE) = 14,198 SF / 305 SF = 47 REQUIRED SPACES

OFFICE (1 SPACE PER 330 SF OF FLOOR SPACE) = 7,500 SF / 330 SF = 23 REQUIRED SPACES

RESTAURANT (1 SPACE PER 150 SF OF FLOOR SPACE) = 3,330 SF / 150 SF = 22 REQUIRED SPACES

TOTAL REQUIRED SPACES = 92
TOTAL PARKING SPACES PROVIDED = 115

ACCESSIBLE PARKING REQUIRED SPACES = 5 (101 TO 150 PARKING SPACES)
ACCESSIBLE PARKING SPACES PROVIDED = 5

REQUIRED BICYCLE PARKING

1 SPACE PER 10 REQUIRED PARKING SPACE = 92 SPACES / 10 = 9 REQUIRED SPACES
BICYCLE PARKING SPACES PROVIDED: 12

4. DATE OF BOUNDARY SURVEY:
A BOUNDARY AND TOPOGRAPHIC SURVEY WAS COMPLETED BY CHW AND DATED APRIL 15, 2019.

5. UTILITIES:
- POTABLE WATER SERVICE WILL BE TIED INTO THE EXISTING 12" WM LOCATED ON THE NORTH SIDE OF THE PROJECT WITHIN THE US 441 ROW.

- SANITARY SEWER SERVICE WILL BE TIED INTO THE EXISTING 8" SANITARY SEWER MAIN LOCATED ON THE NORTH SIDE OF THE PROJECT WITHIN THE US 441 ROW.

- ELECTRIC SERVICE WILL BE PROVIDED FROM EXISTING CITY OF ALACHUA ELECTRIC LOCATED ON THE NORTH SIDE OF THE PROJECT WITHIN THE US 441 ROW.

- RECLAIM WATER SERVICE IS NOT AVAILABLE TO THE PROJECT SITE AT THE CURRENT TIME.

6. RESIDENTIAL PROTECTION STANDARDS

(1) HOURS OF OPERATION AND DELIVERIES. PROJECT SITE SHALL HAVE NORMAL HOURS OF OPERATION AS 7:00AM TO 10:00PM. DELIVERIES MADE BY ANY VEHICLE WITH A GROSS VEHICLE WEIGHT RATING GREATER THAN 22,000 POUNDS SHALL BE LIMITED TO BETWEEN 7:00AM AND 7:00PM ON WEEK DAYS (MONDAY THROUGH FRIDAY) AND TO BETWEEN 8:00AM AND 6:00PM ON WEEKEND DAYS (SATURDAY AND SUNDAY).

(2) ACTIVITIES THAT GENERATE POTENTIAL ADVERSE IMPACTS. THERE ARE NO ACTIVITIES PROPOSED WITH POTENTIAL ADVERSE EFFECTS.

(3) PLACEMENT OF TRASH RECEPTACLES. DUMPSTER ENCLOSURES HAVE BEEN PLACED TO NOT CAUSE A VISIBLE DISTURBANCE TO NEARBY RESIDENTS. DUMPSTER ENCLOSURE IS GREATER THAN 150' AWAY FROM ANY RESIDENTIAL AREAS.

(4) LOADING AND DELIVERY AREA. LOADING AREAS HAVE BEEN PLACED BEHIND THE PROPOSED BUILDINGS. LOADING AREAS ARE SCREENED FROM VIEW BY THE 50' WETLAND BUFFER TO THE SOUTH.

(5) LIGHTING. REFER TO LIGHTING AND PHOTOMETRIC PLANS FOR DURING HOURS OF OPERATION AND UTILIZE FULL CUT-OFF FIXTURES.

(6) PLACEMENT OF OUTDOOR MACHINES AND ACTIVITIES. NO OUTDOOR MACHINES OR ACTIVITIES ARE PROPOSED AT THIS TIME.

(7) ADDITIONAL LANDSCAPING AND BUFFERING TO MITIGATE ADVERSE IMPACTS. LANDSCAPING HAS BEEN PROPOSED TO PROVIDE ADEQUATE BUFFER FROM RESIDENTIAL AREAS.

MINIMUM 50' WETLAND BUFFER TO THE SOUTH IS ALSO USED AS BUFFER TO MITIGATE ADVERSE IMPACTS.

(8) HEIGHT RESTRICTIONS. THE MAXIMUM BUILDING HEIGHT IS 29'0".

(9) PRESERVATION OF NATURAL LIGHTING AND SOLAR ACCESS. THIS PROJECT DOES NOT PROPOSE ANY NATURAL LIGHTING OR SOLAR ACCESS RESTRICTIONS.

(10) VENTILATION AND CONTROL OF ODORS AND FUMES. VENTILATION AND CONTROL OF ODORS AND FUMES WILL BE PROVIDED WITHIN THE BUILDING'S HVAC SYSTEM.

(11) PAVING AND PARKING AREAS. DUST CONTROL WILL BE CONTROLLED BY WATERING TRUCKS OR OTHER BEST MANAGEMENT PRACTICES.

(12) PLACEMENT OR CONFIGURATION OF SITE DESIGN. PROPOSED SITE DESIGN CONFIGURATION HAS BEEN SELECTED TO PROVIDE MINIMAL ADVERSE IMPACTS TO THE NEIGHBORING RESIDENTIAL AREAS. A DENSE BUFFER IS EXISTING BETWEEN THE RESIDENTIAL AREA AND PROPOSED IMPROVEMENTS.

7. DRAINAGE:

THE PROJECT PROPOSES TWO NEW STORMWATER MANAGEMENT FACILITIES (SMF-1 AND SMF-2) TO ACCOMMODATE THE PROPOSED CONSTRUCTION. THE SMFS WILL DISCHARGE TO THE TURKEY CREEK TRIBUTARY TO THE SOUTH OF THE PROJECT.

8. NATURAL FEATURES: TOPOGRAPHY WILL SLOPE FROM NORTH TO SOUTH WITH TURKEY CREEK RUNNING THROUGH THE SOUTH PORTION OF THE SITE.

9. CONCURRENCY IMPACT ANALYSIS: SUBMITTED UNDER SEPARATE COVER

10. LEGAL DESCRIPTION: (PREPARED BY THIS OFFICE, PROJECT NUMBER 04-446.01, DATED FEBRUARY 20TH, 2006)

A PARCEL OF LAND LYING IN SECTIONS 27 & 28, TOWNSHIP 8 SOUTH, RANGE 19 EAST, CITY OF ALACHUA, ALACHUA COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT A 4"x4" CONCRETE MONUMENT (C&E INC. LB 5075) AT THE NORTHWEST CORNER OF DRY CREEK, AS RECORDED IN PLAT BOOK 'J', PAGE 23, PUBLIC RECORDS OF ALACHUA COUNTY, FLORIDA, SAID MONUMENT BEING ON EASTERLY LINE OF TURKEY CREEK BOULEVARD, AS RECORDED IN OFFICIAL RECORDS BOOK 1116, PAGE 479, OF SAID PUBLIC RECORDS, AND BEING ON A CURVE CONCAVE EASTERLY, HAVING A RADIUS OF 2395.00 FEET; THENCE NORTHEASTERLY ALONG THE ARC OF SAID CURVE AND ALONG THE SAID EASTERLY LINE, AN ARC DISTANCE OF 418.27 FEET, THROUGH AN ARC ANGLE OF 10'00'23", SAID CURVE HAVING A CHORD BEARING AND DISTANCE OF NORTH 10°54'58" EAST, 417.74 FEET TO A 4"x4" CONCRETE MONUMENT (C&E INC. LB 5075) AT THE POINT OF TANGENCY; THENCE CONTINUE ALONG THE SAID EASTERLY LINE NORTH 15°55'10" EAST, A DISTANCE OF 275.00 FEET TO A 4"x4" CONCRETE MONUMENT (C&E INC. LB 5075) AND THE POINT OF CURVATURE OF A TANGENT CURVE, CONCAVE WESTERLY, HAVING A RADIUS OF 1505.00 FEET; THENCE NORTHERLY ALONG THE ARC OF SAID CURVE AND ALONG THE SAID EASTERLY LINE, AN ARC DISTANCE OF 204.56 FEET, THROUGH AN ARC ANGLE OF 07°47'16", SAID CURVE HAVING A CHORD BEARING AND DISTANCE OF NORTH 12°01'52" EAST, 204.40 FEET TO A 4"x4" CONCRETE MONUMENT (C&E INC. LB 5075) AND THE POINT OF BEGINNING; THENCE DEPARTING SAID EASTERLY LINE SOUTH 70°29'10" EAST, A DISTANCE OF 53.18 FEET; THENCE SOUTH 80°58'19" EAST, A DISTANCE OF 38.89 FEET; THENCE NORTH 66°40'39" EAST, A DISTANCE OF 41.37 FEET; THENCE SOUTH 75°58'56" EAST, A DISTANCE OF 201.48 FEET; THENCE SOUTH 86°38'04" EAST, A DISTANCE OF 73.08 FEET; THENCE SOUTH 75°12'45" EAST, A DISTANCE OF 52.13 FEET; THENCE SOUTH 48°00'43" EAST, A DISTANCE OF 226.21 FEET; THENCE SOUTH 66°59'53" EAST, A DISTANCE OF 153.48 FEET; THENCE SOUTH 55°34'30" EAST, A DISTANCE OF 261.01 FEET TO THE EASTERLY LINE OF THE LANDS DESCRIBED IN OFFICIAL RECORDS BOOK 2288, PAGE 2230 OF SAID PUBLIC RECORDS; THENCE NORTH 12°25'50" EAST, ALONG THE SAID EASTERLY LINE, A DISTANCE OF 5579.58 FEET; THENCE NORTHWESTERLY ALONG THE ARC OF SAID CURVE AND SOUTHERLY RIGHT OF WAY LINE, A DISTANCE OF 332.40 FEET TO A 4"x4" CONCRETE MONUMENT (C&E INC. LB 5075) ON THE SOUTHERLY RIGHT OF WAY LINE OF U.S. HIGHWAY No. 441 (A 200' RIGHT OF WAY), SAID POINT AT THE NORTHEAST CORNER OF THE LANDS DESCRIBED IN OFFICIAL RECORDS BOOK 2288, PAGE 2230 OF SAID PUBLIC RECORDS AND BEING ON A CURVE CONCAVE SOUTHWESTERLY, HAVING A RADIUS OF 1143.57 FEET, THROUGH AN ARC ANGLE OF 11°44'35", SAID CURVE HAVING A CHORD BEARING AND DISTANCE OF NORTH 63°22'57" WEST, 1141.57 FEET TO A 4"x4" CONCRETE MONUMENT (C&E INC. LB 5075) AT THE BEGINNING OF A CURVE CONCAVE SOUTHEASTERLY, HAVING A RADIUS OF 745.00 FEET; THENCE SOUTHERLY ALONG THE ARC OF SAID CURVE AND THE AFOREMENTIONED EASTERLY LINE OF TURKEY CREEK BOULEVARD, A DISTANCE OF 160.54 FEET, THROUGH AN ARC ANGLE OF 12°20'48", SAID CURVE HAVING A CHORD BEARING AND DISTANCE OF SOUTH 12°10'34" WEST, 160.23 FEET TO A 4"x4" CONCRETE MONUMENT (C&E INC. LB 5075); THENCE SOUTH 06°00'10" WEST, ALONG SAID EASTERLY LINE, A DISTANCE OF 182.00 FEET TO A 4"x4" CONCRETE MONUMENT (C&E INC. LB 5075) AT THE BEGINNING OF A TANGENT CURVE CONCAVE WESTERLY, HAVING A RADIUS OF 1505.00 FEET; THENCE SOUTHERLY ALONG THE ARC OF SAID CURVE AND SAID EASTERLY LINE, A DISTANCE OF 55.92 FEET, THROUGH AN ARC ANGLE OF 2°07'45", SAID CURVE HAVING A CHORD BEARING AND DISTANCE OF SOUTH 07°04'02" W, 55.92 FEET TO THE POINT OF BEGINNING.

CONTAINING 8.25 ACRES, MORE OR LESS.

DEVELOPER/OWNER

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SHEET INDEX

SHEET NUMBER	DESCRIPTION
C0.00	COVER SHEET AND INDEX
C0.10	GENERAL NOTES
C0.11	LEGEND
1 - 3 OF 3	BOUNDARY AND TOPOGRAPHIC SURVEY
C0.20	STORMWATER POLLUTION PREVENTION PLAN NOTES
C0.21 - C0.22	STORMWATER POLLUTION PREVENTION PLAN
C0.30 - C0.31	DEMOLITION AND TREE PROTECTION PLAN
C1.10 - C1.11	DETAILED HORIZONTAL CONTROL AND SITE PLAN
C1.20	ACCESSIBLE SITE PLAN AND DETAILS
C2.10 - C2.11	DETAILED GRADING AND DRAINAGE PLAN
C2.30	CONSTRUCTION DETAILS
C3.10	DETAILED UTILITY PLAN
LS-1	LANDSCAPE NOTES
LS-2 - LS-3	LANDSCAPE PLAN
IR-1 - IR-2	IRRIGATION DIAGRAM
E-1 - E-4	PHOTOMETRIC PLAN
A110, A120, A130	ARCHITECTURAL FLOOR AND ROOF PLANS
A210, A220, A230	ARCHITECTURAL EXTERIOR ELEVATIONS

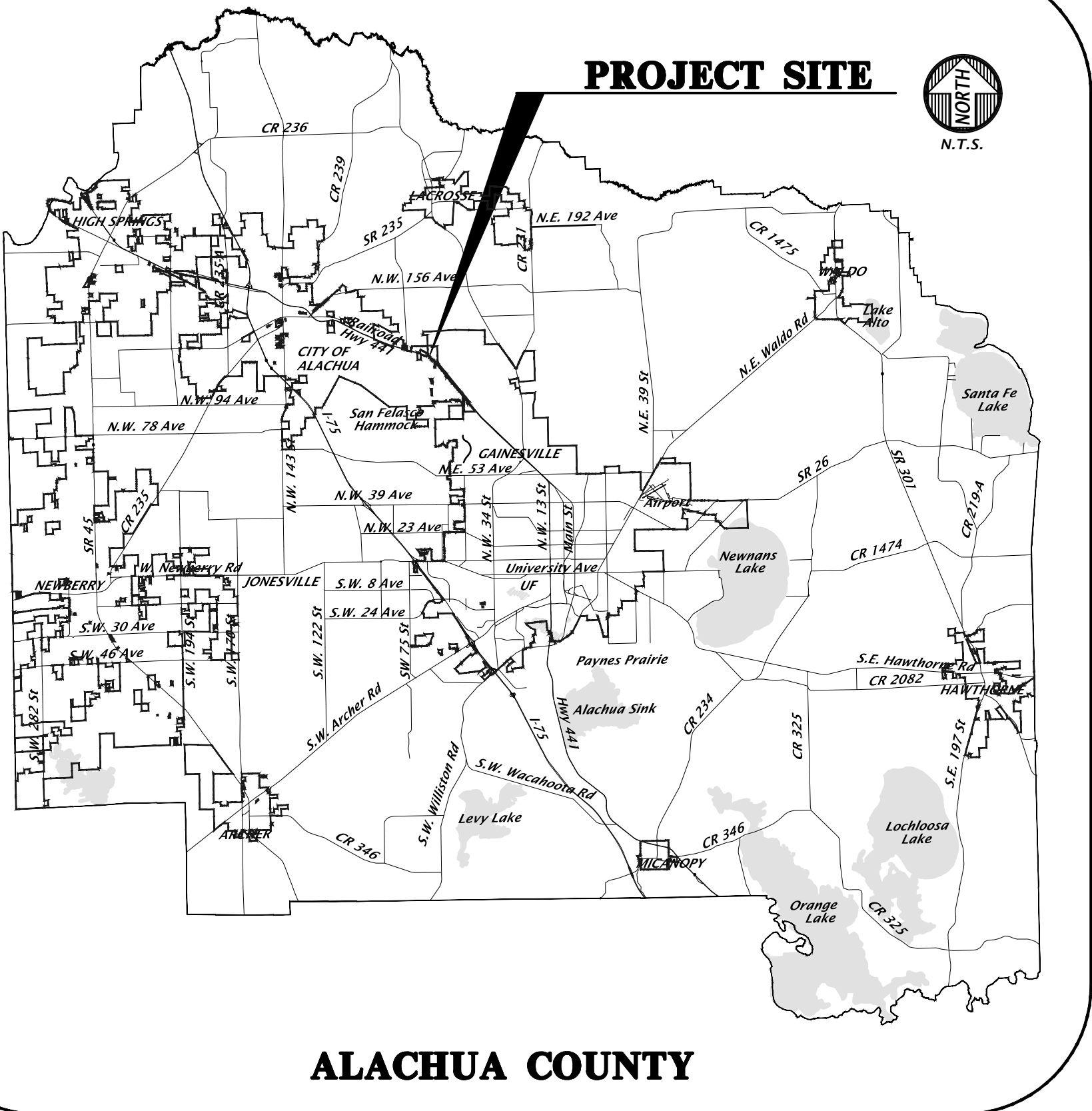
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PROJECT SITE



WATER AND WASTEWATER GENERAL NOTES

5. ALL DISTURBED AREA WITH THE DEPARTMENT OF TRANSPORTATION RIGHT OF WAY WILL RESTORED TO ORIGINAL OR BETTER CONDITION BY GRADING AND SODDING THE AREA DISTURBED (BERMUDA IN RURAL, CENTIPEDE IN UTILITY STRIPS).

1. THE CONTRACTOR IS RESPONSIBLE FOR CREATING A MAINTENANCE OF TRAFFIC (MOT) PLAN FOR CONSTRUCTION ACTIVITY THAT OCCURS WITHIN THE PUBLIC RIGHT-OF-WAY, INCLUDING BUT NOT LIMITED TO SIDEWALK WORK AND ACTIVITIES THAT REQUIRE A LANE (OR ROAD) CLOSURE, SUCH AS CONNECTION TO SEWER MANHOLES AND WATER MAINS. THE MOT PLAN MUST BE CREATED BY A REGISTERED PROFESSIONAL ENGINEER WHO IS CERTIFIED TO DO SO BY THE FDOT MOT CERTIFICATION TRAINING. THE MOT PLAN MUST ALSO BE IN ACCORDANCE WITH FDOT STANDARDS PLANS AND FDOT STANDARD SPECIFICATIONS REQUIREMENTS AND MUST BE REVIEWED AND APPROVED BY THE FDOT.

2. THE CONTRACTOR SHALL SUBMIT THE MOT TO THE APPROPRIATE REGULATORY AUTHORITY PRIOR TO WORK REQUIRING THE MOT FOR APPROVAL. NO WORK IN THE ROW SHALL OCCUR UNTIL THE MOT IS APPROVED.

SYMBOLS		N	
'	FEET (WHEN USED WITH LENGTHS)	N	NORTH
°	DEGREES	NE	NORTHING - EASTING
'	MINUTES (WHEN USED WITH ANGLES)	N/A	NOT APPLICABLE
"	SECONDS	NAVD	NORTH AMERICAN VERTICAL DATUM OF 1988
%	PERCENT	NGVD	NATIONAL GEODETIC VERTICAL DATUM OF 1929
@	AT	NO	NUMBER
A		NPDES	NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
AASHTO	ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS	NTS	NOT TO SCALE
AC	ACRES	O	
ADA	AMERICAN WITH DISABILITIES ACT	OC	ON CENTER
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	OHW	OVERHEAD WIRE
ARCH	ARCHITECT	ORB	OFFICIAL RECORDS BOOK
ASTM	AIR RELEASE VALVE	OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
AWWA		P	
		PAVT	PAVEMENT
B		PC	POINT OF CURVATURE
BC	BACK OF CURB	PCC	POINT OF COMPOUND CURVE
BFP	BACKFLOW PREVENTER	PERF	PERFORATED
BLDG	BUILDING	PROP	PROPOSED
BM	BENCHMARK	PT	POINT OF TANGENCY
BMP	BEST MANAGEMENT PRACTICE	PVC	POLYVINYL CHLORIDE
BOC	BACK OF CURB	PVI	POINT OF VERTICAL INTERSECTION
BVCs	BEGIN VERTICAL CURVE STATION	R	
BVCE	BEGIN VERTICAL CURVE ELEVATION	RCP	RADIUS
BSL	BOTTOM OF WALL	RC	REINFORCED CONCRETE PIPE
BSL	BUILDING SETBACK LINE	RPM	RAISED REFLECTIVE PAVEMENT MARKER
C		RPZ	REDUCED PRESSURE ZONE
CATV	CABLE TELEVISION	RT	RIGHT
CI	CURB INLET	RWM	RECLAIMED WATER MAIN
CIP	CAST IRON PIPE	R/W	RIGHT-OF-WAY
CMP	CORRUGATED METAL PIPE	S	
CO	CLEANOUT	S	SOUTH
CONC	CONCRETE	SAN	SANITARY
COORD	COORDINATE	SHWE	SEASONAL HIGH WATER ELEVATION
CR	COUNTY ROAD	SL	SLOPE
C/O	CLEANOUT	SP	SUPERPAVE
D		SR	STATE ROAD
DBH	DIAMETER AT BREAST HEIGHT	SS	SANITARY SEWER
DE	DRAINAGE EASEMENT	ST	STORM
DEG	DEGREE	STA	STATION
DIA	DIAMETER	STD	STANDARD
DIP	DUCTILE IRON PIPE	T	
DWG	DRAWING	TCE	TEMPORARY CONSTRUCTION EASEMENT
E		TEMP	TEMPORARY
e	RATE OF ELEVATION	TOB	TOP OF BANK
E	EAST	TV	TELEVISION
EA	EACH	TW	TOP OF WALL
EL	ELEVATION	TYP	TYPICAL
ELEV	ELEVATION	U	
EOP	EDGE OF PAVEMENT	USF	UNITED STATES FOUNDRY
EOR	ENGINEER OF RECORD	USGS	UNITED STATES GEOLOGICAL SURVEY
ERCP	ELLIPTICAL REINFORCED CONCRETE PIPE	UTIL	UTILITY
ESMT	EASEMENT	V	
EVCS	END VERTICAL CURVE STATION	V	VERTICAL
EVCE	END VERTICAL CURVE ELEVATION	VC	VERTICAL CURVE
EX	EXISTING	VCP	VITRIFIED CLAY PIPE
F		W	
FAC	FLORIDA ADMINISTRATIVE CODE	W	WEST
FBR	FLORIDA BEARING RATIO	W	WATER
FC	FRICTION COEFFICIENT	W/	WITH
FDEP	FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION	WM	WATER MAIN
FDOT	FLORIDA DEPARTMENT OF TRANSPORTATION	WW	WASTEWATER
FFE	FINISHED FLOOR ELEVATION	WWF	WELDED WIRE FABRIC
FH	FIRE HYDRANT		
FHWA	FLORIDA HIGHWAY ADMINISTRATION		
FIG	FIGURE		
FM	FORCE MAIN		
FOC	FACE OF CURB		
FS	FLORIDA STATUTES		
FT	FEET		
G			
GALV	GALVANIZED		
GM	GAS MAIN		
GV	GATE VALVE		
H			
HDPE	HIGH DENSITY POLYETHYLENE		
HP	HIGH POINT		
I			
ID	IDENTIFICATION		
INV	INVERT		
INV EL	INVERT ELEVATION		
IP	IRON PIPE		
K			
K	VERTICAL CURVE RATE OF CHANGE		
L			
L	LENGTH		
LA	LANDSCAPE ARCHITECT		
LBR	LIMEROCK BEARING RATIO		
LDR	LAND DEVELOPMENT REGULATION		
LF	LINEAR FEET		
LP	LOW POINT		
LT	LEFT		
M			
MAX	MAXIMUM		
ME	MATCH EXISTING		
MH	MANHOLE		
MIN	MINIMUM		
MISC	MISCELLANEOUS		
MUTCD	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES		

8.1.1 "STOP" - SEE PLANS FOR SIZE

12" PINE		EX. TREE (SIZE & TYPE)
1234		EX. TREE (TREE ID)
12" PINE		EX. TREE TO BE REMOVED (SIZE & TYPE)
1234		EX. TREE TO BE REMOVED (TREE ID)
PROJECT BENCHMARK		

THE PROPOSED STORMWATER STRUCTURES DEPICTED BELOW ARE DRAWN PER FDOT SPECIFICATIONS AND TO SCALE WHEN SHOWN ON THE PLAN SHEETS.

ST ST EX. GRAVITY STORMWATER MAIN

EXP. STORMWATER MANHOLE
FROM N-E LOCATION OF A STRUCTURE TO N-E LOCATION OF A STRUCTURE

EX. STORMWATER MANHOLE
PROPOSED 48" DIA. STORMWATER MANHOLE PER FDOT INDEX NO. 425-001 AND 425-010

PROPOSED CIRCULAR AREA DRAIN

PROPOSED SQUARE AREA DRAIN

PROPOSED TYPE 1 CURB INLET TOP PER FDOT INDEX NO. 425-020 (SEE PLANS FOR BOTTOM SPECIFICATION)

PROPOSED TYPE 2 CURB INLET TOP PER FDOT INDEX NO. 425-020 (SEE PLANS FOR BOTTOM SPECIFICATION)

PROPOSED TYPE 3 CURB INLET TOP PER FDOT INDEX NO. 425-020 (SEE PLANS FOR BOTTOM SPECIFICATION)

PROPOSED TYPE 4 CURB INLET TOP PER FDOT INDEX NO. 425-020 (SEE PLANS FOR BOTTOM SPECIFICATION)

PROPOSED TYPE 5 CURB INLET TOP PER FDOT INDEX NO. 425-021 (SEE PLANS FOR BOTTOM SPECIFICATION)

PROPOSED TYPE 6 CURB INLET TOP PER FDOT INDEX NO. 425-021 (SEE PLANS FOR BOTTOM SPECIFICATION)

PROPOSED TYPE 9 CURB INLET TOP PER FDOT INDEX NO. 425-024 (SEE PLANS FOR BOTTOM SPECIFICATION)

PROPOSED TYPE 'C' DITCH BOTTOM INLET TOP PER FDOT INDEX NO. 425-052 (SEE PLANS FOR GRATE MATERIAL AND BOTTOM SPECIFICATION)

PROPOSED TYPE 'D' DITCH BOTTOM INLET TOP PER FDOT INDEX NO. 425-052 (SEE PLANS FOR GRATE MATERIAL AND BOTTOM SPECIFICATION)

PROPOSED TYPE 'E' DITCH BOTTOM INLET TOP PER FDOT INDEX NO. 425-052 (SEE PLANS FOR GRATE MATERIAL AND BOTTOM SPECIFICATION)

PROPOSED TYPE 'F' DITCH BOTTOM INLET TOP WITH STEEL GRATE PER FDOT INDEX NO. 425-053 (SEE PLANS FOR BOTTOM SPECIFICATION)

PROPOSED TYPE 'G' DITCH BOTTOM INLET TOP WITH STEEL GRATE PER FDOT INDEX NO. 425-053 (SEE PLANS FOR BOTTOM SPECIFICATION)

PROPOSED TYPE 'H' DITCH BOTTOM INLET TOP PER FDOT INDEX NO. 425-052 (SEE PLANS FOR GRATE MATERIAL AND BOTTOM SPECIFICATION)

PROPOSED TYPE 'J' DITCH BOTTOM INLET TOP WITH STEEL GRATE PER FDOT INDEX NO. 425-054 (SEE PLANS FOR BOTTOM SPECIFICATION)

PROPOSED U-TYPE CONCRETE ENDWALLS WITH GRATES PER FDOT INDEX NO. 430-010 (SEE PLANS FOR SIZE)

PROPOSED FLARED END SECTION PER FDOT INDEX NO. 430-020 (SEE PLANS FOR SIZE)

PROPOSED CROSS DRAIN MITERED END SECTION PER FDOT INDEX NO. 430-021 (SEE PLANS FOR SIZE)

PROPOSED SIDE DRAIN MITERED END SECTION PER FDOT INDEX NO. 430-022 (SEE PLANS FOR SIZE)

S-10 PROPOSED STORMWATER STRUCTURE ID TAG

W W EX. POTABLE WATER MAIN
 P-W PROPOSED POTABLE WATER MAIN
 RCW RCW EX. RECLAIMED WATER MAIN
 P-RCW PROPOSED RECLAIMED WATER MAIN
 11.25° BEND W/ MECHANICALLY RESTRAINED JOINTS (POTABLE AND RCW)
 22.5° BEND W/ MECHANICALLY RESTRAINED JOINTS (POTABLE AND RCW)
 45° BEND W/ MECHANICALLY RESTRAINED JOINTS (POTABLE AND RCW)
 90° BEND W/ MECHANICALLY RESTRAINED JOINTS (POTABLE AND RCW)
 TEE (POTABLE AND RCW)
 CROSS (POTABLE AND RCW)
 BLOWOFF ASSEMBLY (POTABLE AND RCW)
 REDUCER (POTABLE AND RCW)
 EX. GATE VALVE AND BOX (POTABLE AND RCW)
 PROPOSED GATE VALVE AND BOX (POTABLE AND RCW)
 EX. AIR RELEASE VALVE (POTABLE AND RCW)
 PROPOSED AIR RELEASE VALVE (POTABLE AND RCW)
 EX. FIRE HYDRANT ASSEMBLY
 PROPOSED FIRE HYDRANT ASSEMBLY
 PROPOSED SAMPLE POINT
 EX. WATER METER (POTABLE AND RCW)
 PROPOSED POTABLE WATER METER
 PROPOSED POTABLE WATER BACK FLOW PREVENTER
 PROPOSED RECLAIMED WATER METER
 EX. WATER WELL
 EX. HOSE BIB (POTABLE AND RECLAIMED)
 PROPOSED HOSE BIB (POTABLE AND RECLAIMED)
 PROPOSED FITTING ID TAG (POTABLE AND RECLAIMED)

 SS EX. GRAVITY WASTEWEATER MAIN
 P-WW PROPOSED GRAVITY WASTEWEATER MAIN (PIPE LENGTHS ARE FROM N-E LOCATION OF A STRUCTURE TO N-E LOCATION OF A STRUCTURE)
 FM **FM** EX. WASTEWEATER FORCE MAIN
 P-FM PROPOSED WASTEWEATER FORCE MAIN
 W-E LOCATION
 RIM ELEV. LOCATION
 EX. WASTEWEATER MANHOLE
 PROPOSED WASTEWEATER MANHOLE
 EX. WASTEWEATER CLEANOUT
 PROPOSED WASTEWEATER CLEANOUT
 PROPOSED WASTEWEATER GREASE TRAP
 M#H PROPOSED WASTEWEATER MANHOLE ID
 11.25' BEND W/ MECHANICALLY RESTRAINED JOINTS (WW FORCE MAIN)
 22.5' BEND W/ MECHANICALLY RESTRAINED JOINTS (WW FORCE MAIN)
 45' BEND W/ MECHANICALLY RESTRAINED JOINTS (WW FORCE MAIN)
 90' BEND W/ MECHANICALLY RESTRAINED JOINTS (WW FORCE MAIN)
 WYE W/ MECHANICALLY RESTRAINED JOINTS (WW FORCE MAIN)
 EX. PLUG VALVE AND BOX (WW FORCE MAIN)
 PROPOSED PLUG VALVE AND BOX (WW FORCE MAIN)
 EX. AIR RELEASE VALVE (WW FORCE MAIN)
 PROPOSED AIR RELEASE VALVE (WW FORCE MAIN)

THE PROPOSED UTILITIES BELOW ARE DESIGN BY OTHERS AND ARE DEPICTED FOR COORDINATION PURPOSES ONLY. REFER TO PLANS BY OTHERS FOR EXACT LOCATIONS, DIMENSION, AND DETAILS.

— P—ATT	PROPOSED A&T LINE
— BC — BC —	EX. BURIED CABLE LINE
— P—BC —	PROPOSED BURIED CABLE LINE
— BTCL —	EX. BURIED TELEPHONE LINE
— P—TEL —	PROPOSED TELEPHONE LINE
— CATV —	EX. CABLE TELEVISION LINE
— P—TV —	PROPOSED CABLE/TELEVISION LINE
— FO — FO —	EX. FIBER OPTIC LINE
— UGTEL —	EX. UNDERGROUND TELEPHONE LINE
EX. TELEPHONE PEDESTAL	
EX. TELEVISION/CABLE PEDESTAL	
— CHW — CHW —	EX. CHILLED WATER MAIN
— P—CHW —	PROPOSED CHILLED WATER MAIN
— FIRE —	EX. FIRE MAIN
— P—FIRE —	PROPOSED FIRE MAIN
— IRR — IRR —	EX. IRRIGATION LINE
— P—IRR —	PROPOSED IRRIGATION LINE
— STEAM —	EX. STEAM LINE
— P—STEAM —	PROPOSED STEAM LINE
— P—CLAY —	PROPOSED CLAY ELECTRIC LINE
— E — E —	EX. ELECTRIC LINE
— P—E —	PROPOSED ELECTRIC LINE
— EN — EN —	EX. ENERGY LINE
— P—LIGHT —	PROPOSED PRIVATE LIGHTING LINE
— OHW — OHW —	EX. OVERHEAD WIRE LINE
— UGE — UGE —	EX. UNDERGROUND ELECTRIC LINE
EX. LIGHT	
EX. UTILITY POLE	
EX. UTILITY POLE	
EX. WOOD POLE POLE	
EX. GUY ANCHOR	
PROPOSED TRANSFORMER	
— GAS — GAS —	EX. GAS LINE
— P—GAS —	PROPOSED GAS LINE
EX. GAS MARKER	
EX. GAS MARKER	

NOTES:

1. THIS LEGEND IS ALL INCLUSIVE AND MAY INCLUDE ITEMS NOT A PART OF THIS PLAN SET.
2. SYMBOLS SHOWN ON THIS SHEET ARE FOR ILLUSTRATIVE PURPOSES ONLY. UNLESS NOTED OTHERWISE, SYMBOLS IN THESE PLANS MAY NOT BE REPRESENTATIVE OF SIZE.

DESCRIPTION: (PREPARED BY THIS OFFICE, PROJECT NUMBER 04-446.01, DATED FEBRUARY 20TH, 2006)
A PARCEL OF LAND LYING IN SECTIONS 27 & 28, TOWNSHIP 8 SOUTH, RANGE 19 EAST, CITY OF ALACHUA, ALACHUA COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT A 4"x4" CONCRETE MONUMENT (C&E INC. LB 5075) AT THE NORTHWEST CORNER OF DRY CREEK, AS RECORDED IN PLAT BOOK 'J', PAGE 23, PUBLIC RECORDS OF ALACHUA COUNTY, FLORIDA, SAID MONUMENT BEING ON EASTERLY LINE OF TURKEY CREEK BOULEVARD, AS RECORDED IN OFFICIAL RECORDS BOOK 1116, PAGE 479, OF SAID PUBLIC RECORDS, AND BEING ON A CURVE CONCAVE EASTERLY, HAVING A RADIUS OF 2395.00 FEET; THENCE NORTHEASTERLY ALONG THE ARC OF SAID CURVE AND ALONG THE SAID EASTERLY LINE, AN ARC DISTANCE OF 418.27 FEET, THROUGH AN ARC ANGLE OF 10°00'23", SAID CURVE HAVING A CHORD BEARING AND DISTANCE OF NORTH 10°54'58" EAST, 417.74 FEET TO A 4"x4" CONCRETE MONUMENT (C&E INC. LB 5075) AT THE POINT OF TANGENCY; THENCE CONTINUE ALONG THE SAID EASTERLY LINE NORTH 15°55'10" EAST, A DISTANCE OF 275.00 FEET TO A 4"x4" CONCRETE MONUMENT (C&E INC. LB 5075) AND THE POINT OF CURVATURE OF A TANGENT CURVE, CONCAVE WESTERLY, HAVING A RADIUS OF 1505.00 FEET; THENCE NORTHERLY ALONG THE ARC OF SAID CURVE AND ALONG THE SAID EASTERLY LINE, AN ARC DISTANCE OF 204.58 FEET, THROUGH AN ARC ANGLE OF 07°47'16", SAID CURVE HAVING A CHORD BEARING AND DISTANCE OF NORTH 12°01'32" EAST, 204.40 FEET TO A 4"x4" CONCRETE MONUMENT (C&E INC. LB 5075) AND THE POINT OF BEGINNING; THENCE DEPARTING SAID EASTERLY LINE SOUTH 70°29'10" EAST, A DISTANCE OF 53.18 FEET; THENCE SOUTH 80°58'19" EAST, A DISTANCE OF 38.89 FEET; THENCE NORTH 66°40'39" EAST, A DISTANCE OF 41.37 FEET; THENCE SOUTH 75°58'56" EAST, A DISTANCE OF 201.48 FEET; THENCE SOUTH 86°38'04" EAST, A DISTANCE OF 73.08 FEET; THENCE SOUTH 75°12'45" EAST, A DISTANCE OF 92.13 FEET; THENCE SOUTH 48°00'43" EAST, A DISTANCE OF 226.21 FEET; THENCE SOUTH 66°59'53" EAST, A DISTANCE OF 153.48 FEET; THENCE SOUTH 55°34'30" EAST, A DISTANCE OF 261.01 FEET TO THE EASTERLY LINE OF THE LANDS DESCRIBED IN OFFICIAL RECORDS BOOK 2288, PAGE 2230 OF SAID PUBLIC RECORDS, THENCE NORTH 12°25'50" EAST, ALONG THE SAID EASTERLY LINE, A DISTANCE OF 332.40 FEET TO A 4"x4" CONCRETE MONUMENT (C&E INC. LB 5075) ON THE SOUTHERLY RIGHT OF WAY LINE OF U.S. HIGHWAY No. 441 (A 200' RIGHT OF WAY), SAID POINT AT THE NORTHEAST CORNER OF THE LANDS DESCRIBED IN OFFICIAL RECORDS BOOK 2288, PAGE 2230 OF SAID PUBLIC RECORDS AND BEING ON A CURVE CONCAVE SOUTHWESTERLY, HAVING A RADIUS OF 5579.58 FEET; THENCE NORTHWESTERLY ALONG THE ARC OF SAID CURVE AND SOUTHERLY RIGHT OF WAY LINE, A DISTANCE OF 1143.57 FEET, THROUGH AN ARC ANGLE OF 11°44'35", SAID CURVE HAVING A CHORD BEARING AND DISTANCE OF NORTH 63°22'57" WEST, 1141.57 FEET TO A 4"x4" CONCRETE MONUMENT (C&E INC. LB 5075) AT THE BEGINNING OF A CURVE CONCAVE SOUTHEASTERLY, HAVING A RADIUS OF 745.00 FEET; THENCE SOUTHERLY ALONG THE ARC OF SAID CURVE AND AFOREMENTIONED EASTERLY LINE OF TURKEY CREEK BOULEVARD, A DISTANCE OF 160.54 FEET, THROUGH AN ARC ANGLE OF 12°20'48", SAID CURVE HAVING A CHORD BEARING AND DISTANCE OF SOUTH 12°10'34" WEST, 160.23 FEET TO A 4"x4" CONCRETE MONUMENT (C&E INC. LB 5075); THENCE SOUTH 08°00'10" WEST, ALONG SAID EASTERLY LINE, A DISTANCE OF 182.00 FEET TO A 4"x4" CONCRETE MONUMENT (C&E INC. LB 5075) AT THE BEGINNING OF A TANGENT CURVE CONCAVE WESTERLY, HAVING A RADIUS OF 1505.00 FEET; THENCE SOUTHERLY ALONG THE ARC OF SAID CURVE AND SAID EASTERLY LINE, A DISTANCE OF 55.92 FEET, THROUGH AN ARC ANGLE OF 2°07'45", SAID CURVE HAVING A CHORD BEARING AND DISTANCE OF SOUTH 07°04'02" W, 55.92 FEET TO THE POINT OF BEGINNING.

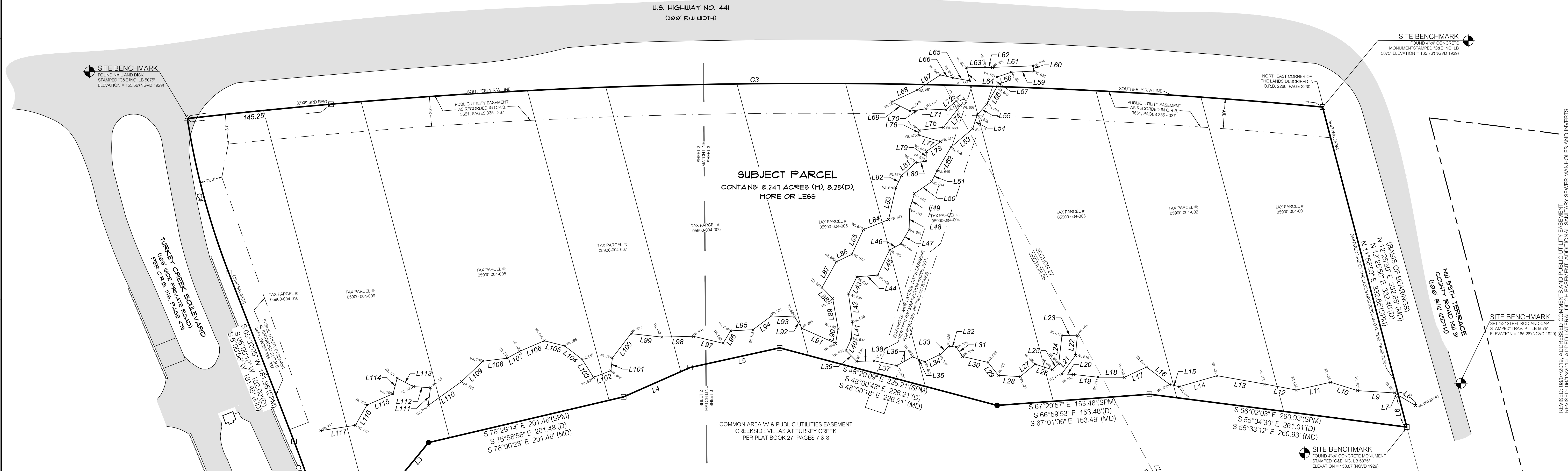
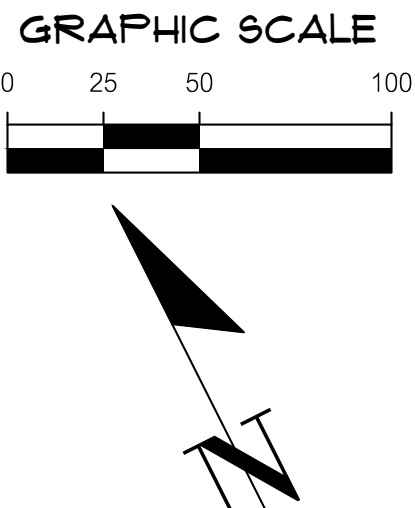
CONTAINING 8.25 ACRES, MORE OR LESS.

BOUNDARY & TOPOGRAPHIC SURVEY

LYING IN SECTIONS 27 & 28, TOWNSHIP 8 SOUTH, RANGE 19 EAST, CITY OF ALACHUA, ALACHUA COUNTY, FLORIDA

SKETCH - NOT A BOUNDARY SURVEY

CURVE DATA TABLE					
CURVE	LENGTH	RADIUS	DELTA	TANGENT	CHORD BEARING
C1	418.27	2395.00	10°00'23"	-----	417.74' N 10°54'58" E
C2	204.58	1505.00	7°47'16"	-----	204.40' N 12°01'32" E
C3(DM)	1143.47	5579.58	11°44'32"	573.74'	1141.47' N 63°24'01" W
C3(SPM)	1143.47	5579.58	11°44'32"	573.74'	1141.47' N 63°52'52" W
C3(D)	1143.57	5579.58	11°44'35"	-----	1141.57' N 63°22'57" W
C4(DM)	160.60	745.00	12°21'04"	80.61'	160.29' S 12°09'13" W
C4(SPM)	160.60	745.00	12°21'04"	80.61'	160.29' S 11°40'22" W
C4(D)	160.54	745.00	12°20'48"	-----	160.23' S 12°10'34" W
C5(DM)	55.97	1505.00	2°07'51"	27.99'	55.97' S 7°04'15" W
C5(SPM)	55.97	1505.00	2°07'51"	27.99'	55.97' S 6°35'25" W
C5(D)	55.92	1505.00	2°07'45"	-----	55.92' S 7°04'02" W



LINE DATA TABLE			LINE DATA TABLE			LINE DATA TABLE			LINE DATA TABLE		
LINE	DIRECTION	LENGTH	LINE	DIRECTION	LENGTH	LINE	DIRECTION	LENGTH	LINE	DIRECTION	LENGTH
L10(DM)	S 70°42'14" E	53.28'	L26	N 45°18'27" W	18.19'	L61	N 65°28'38" W	40.69'	L96	S 58°15'52" W	14.72'
L15(SPM)	S 71°11'04" E	53.28'	L27	S 76°52'53" W	18.57'	L62	N 63°02'42" W	7.60'	L97	N 49°58'12" W	30.53'
L10(D)	S 70°29'10" E	53.18'	L28	N 59°52'10" W	22.06'	L63	N 64°46'48" W	18.70'	L98	N 64°44'59" W	32.01'
L20(DM)	S 80°58'44" E	38.87'	L29	N 11°49'21" W	16.57'	L64	S 11°49'54" W	13.50'	L99	N 56°51'57" W	31.05'
L20(SPM)	S 81°27'35" E	38.87'	L30	N 50°14'43" W	26.30'	L65	N 53°09'56" W	16.89'	L100	S 64°15'18" W	30.71'
L20(D)	S 80°58'19" E	38.89'	L31	N 7°49'51" W	11.53'	L66	N 50°40'46" W	13.32'	L101	S 33°21'56" W	12.93'
L30(DM)	N 66°42'13" E	41.37'	L32	N 57°00'50" W	7.52'	L67	S 83°36'38" W	27.74'	L102	N 84°33'51" W	18.67'
L30(SPM)	N 66°13'22" E	41.37'	L33	S 72°42'31" W	11.68'	L68	N 88°06'58" W	28.45'	L103	N 5°53'00" W	21.58'
L30(D)	N 66°40'39" E	41.37'	L34	N 68°53'12" W	17.34'	L69	S 37°09'00" E	20.81'	L104	N 25°42'45" W	21.97'
L40(DM)	S 86°36'51" E	73.05'	L35	N 41°17'52" W	13.29'	L70	S 11°08'41" E	15.73'	L105	N 49°06'30" W	21.23'
L40(SPM)	S 87°05'42" E	73.05'	L36	S 87°22'58" W	18.13'	L71	S 60°42'20" E	20.25'	L106	N 86°27'59" W	26.87'
L40(D)	S 86°38'04" E	73.08'	L37	N 51°16'53" W	23.38'	L72	N 77°10'53" E	13.89'	L107	S 87°41'16" W	14.36'
L50(DM)	S 75°12'16" E	82.11'	L38	N 65°10'23" W	17.46'	L73	S 17°55'04" E	6.03'	L108	N 70°16'14" W	24.71'
L50(SPM)	S 73°41'07" E	82.11'	L39	N 18°09'22" W	15.47'	L74	S 64°32'26" W	27.80'	L109	S 72°54'49" W	29.43'
L50(D)	S 75°12'45" E	82.13'	L40	N 51°14'09" E	12.79'	L75	N 70°29'00" W	24.62'	L110	S 61°06'49" W	24.43'
L6	N 11°58'59" E	32.98'	L41	N 30°02'29" E	17.23'	L76	S 35°04'53" W	4.87'	L111	N 34°06'31" E	17.95'
L7	N 32°27'42" W	4.73'	L42	N 18°46'29" E	28.31'	L77	S 48°36'19" E	23.21'	L112	N 59°15'26" W	17.24'
L8	N 32°27'42" W	24.63'	L43	N 52°44'12" E	19.23'	L78	S 82°36'38" W	17.30'	L113	N 35°57'12" W	18.29'
L9	N 59°46'36" W	36.99'	L44	S 87°47'29" E	20.86'	L79	S 29°45'44" W	8.86'	L114	S 41°44'16" W	16.21'
L10	N 46°03'37" W	28.47'	L45	N 51°59'22" E	27.91'	L80	N 71°52'47" W	10.60'	L115	N 86°35'33" W	28.53'
L11	N 76°05'03" W	35.31'	L46	N 88°15'10" E	12.76'	L81	S 73°06'19" W	19.02'	L116	S 56°28'46" W	23.46'
L12	N 52°40'48" W	32.63'	L47	N 57°07'48" E	16.72'	L82	S 52°12'22" W	13.51'	L117	N 72°05'21" W	35.19'
L13	N 53°19'47" W	48.37'	L48	N 26°00'59" E	26.75'	L83	S 39°28'17" W	32.82'			
L14	N 79°22'58" W	39.79'	L49	N 44°28'31" E	16.45'	L84	N 64°58'56" W	27.29'			
L15	N 49°21'18" W	10.08'	L50	N 82°06'24" E	20.64'	L85	S 51°46'21" W	27.45'			
L16	N 26°15'24" W	26.75'	L51	N 53°12'36" E	12.35'	L86	N 89°02'28" W	17.33'			
L17	N 88°13'54" W	24.44'	L52	N 57°14'10" E	27.42'	L87	S 50°49'10" W	29.61'			
L18	N 63°06'41" W	26.68'	L53	N 76°26'00" E	28.85'	L88	S 17°43'05" E	15.39'			
L19	N 68°52'03" W	24.59'	L54	N 44°43'12" E	14.66'	L89	S 16°30'43" W	30.72'			
L20	N 60°26'01" W	11.84'	L55	N 68°37'25" E	14.27'	L90	S 36°23'43" W	15.06'			
L21	N 63°18'32" E	22.88'	L56	N 57°10'52" E	20.82'	L91	N 38°10'48" W	36.69'			
L22	N 32°14'28" E	20.00'	L57	N 25°09'41" E	9.59'	L92	N 7°18'18" W	13.90'			
L23	N 62°41'01" W	15.48'	L58	S 81°50'43" E	15.23'	L93	N 60°56'00" W	23.22'			
L24	S 33°16'14" W	28.52'	L59	S 66°09'20" E	22.66'	L94	S 79°56'56" W	23.10'			
L25	S 73°07'52" W	6.79'	L60	N 18°35'26" E	5.36'	L95	N 66°05'25" W	22.45'			

LEGEND:

- = BENCHMARK
- = FOUND 4"x4" CONCRETE MONUMENT STAMPED "C&E INC. LB 5075", UNLESS OTHERWISE NOTED
- △ = FOUND NAIL AND DISK STAMPED "C&E INC. LB 5075", UNLESS OTHERWISE NOTED
- = SET 5/8" STEEL REBAR AND CAP MARKED "CHW INC LB 5075"
- = FIRE HYDRANT
- = TELEPHONE JUNCTION BOX
- = GAS LINE MARKER
- = GAS VALVE
- = GUY ANCHOR
- = SIGN
- = DECORATIVE SHRUB
- = TREE (SIZE AND TYPE AS NOTED)
- = SANITARY SEWER MANHOLE
- = STORM SEWER MANHOLE
- = TELEPHONE LINE MARKER
- = TELEPHONE PEDESTAL
- = WATER LINE MARKER
- = WOODEN POWER POLE
- = WATER VALVE
- = WATER METER
- = STORM INLET
- = OVERHEAD WIRE
- = SANITARY SEWER LINE
- = GUARD RAIL
- = STORM SEWER LINE
- = UNDERGROUND ELECTRIC LINE
- = UNDERGROUND WATER LINE
- = UNDERGROUND GAS LINE
- = CONTOUR LINE
- = ASPHALT SURFACE
- = CONCRETE SURFACE

(D) = DATA BASED ON DESCRIPTION (BY THIS OFFICE)
(MD) = DATA BASED ON FIELD MEASUREMENTS (DEED BEARINGS)
(O.R.B.) = OFFICIAL RECORDS BOOK
R.W. = RIGHT OF WAY
N.R.C. = NORTH RIM ELEVATION
F.E.M.A. = FEDERAL EMERGENCY MANAGEMENT AGENCY
N.A.V.D. = NORTH AMERICAN VERTICAL DATUM
X 155.5 = SPOT ELEVATION (IMPERVIOUS SURFACE)
X 155.5 = SPOT ELEVATION (IMPERVIOUS SURFACE)
X W.L. 640 = WETLAND FLAG DESTINATION NUMBER
F.I.R.M. = FLOOD INSURANCE RATE MAP
LO = LIVE OAK
LAO = LAUREL OAK
WO = WATER OAK
HCK = HICKORY
MAG = MAGNOLIA
BO = BLUFF OAK
SC = SWAMP CHESTNUT
RO = RED OAK
SC = SWEETGUM
CAM = CAMPHOR
INV = INVERT
RCP = REINFORCED CONCRETE PIPE
PVC = POLYVINYL CHLORIDE
CMP = CORRUGATED METAL PIPE

SURVEYOR'S NOTES:

- BEARINGS SHOWN HEREON ARE REFERRED TO A VALUE OF NORTH 12°25'50" EAST FOR THE EASTERLY BOUNDARY LINE OF THE SUBJECT PARCEL, SAID BEARING BEING IDENTICAL WITH THE DESCRIPTION. FOR COMPARISON TO SPM, ROTATE DEED BEARINGS COUNTER-CLOCKWISE 00°28'51".
- BOUNDARY BASED ON PREVIOUS SURVEY PREPARED BY THIS OFFICE, PROJECT NUMBER 04-446.01, DATED FEBRUARY 20TH, 2006.
- NO UNDERGROUND INSTALLATION OF UTILITIES OR IMPROVEMENTS HAVE BEEN LOCATED EXCEPT AS SHOWN. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.
- THE SURVEYOR HAS NO KNOWLEDGE OF UNDERGROUND FOUNDATIONS WHICH MAY ENCRUST.
- INSTRUMENTS OF RECORD REFLECTING EASEMENTS, RIGHTS-OF-WAY, AND OR OWNERSHIP WERE NOT FURNISHED TO THE SURVEYOR EXCEPT AS SHOWN. SEARCH OF THE PUBLIC RECORDS HAS NOT BEEN DONE BY THE SURVEYOR.
- INFORMATION FROM FEDERAL EMERGENCY MANAGEMENT AGENCY, (F.E.M.A.) FLOOD INSURANCE RATE MAP(S), SHOWN ON THIS MAP WAS CURRENT AS OF THE REFERENCED DATE. MAP REVISIONS AND AMENDMENTS ARE PERIODICALLY MADE BY LETTER AND MAY NOT BE REFLECTED ON THE MOST CURRENT MAP.
- FENCES, SYMBOLS, MONUMENTATION AND UTILITIES SHOWN HEREON MAY BE EXAGGERATED FOR PICTORIAL PURPOSES ONLY AND MAY NOT BE SHOWN TO SCALE.
- IN THE OPINION OF THIS SURVEYOR, THE PERIMETER LINES AS SHOWN HEREON REPRESENT THE LOCATION OF THE BOUNDARY LINES OF THE SUBJECT PARCEL IN RELATION TO THE DESCRIPTION OF RECORD AND THOSE EXISTING LAND CORNERS FOUND TO BE ACCEPTABLE BY THIS SURVEYOR.
- ELEVATIONS SHOWN HEREON ARE (NGVD 29) BASED ON FLORIDA DEPARTMENT OF TRANSPORTATION TBM 19 HAVING A PUBLISHED ELEVATION OF 52.248 METERS (171.417 FEET), FOR RELATION TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 1988), ADJUST ALL ELEVATIONS -0.79 FEET.
- ADDITIONAL POINTS MAY BE FOUND BY TURNING ON THE SV-NODE LAYERS IN THE SUPPLIED DIGITAL FILE.
- THIS SURVEY CONSIST OF THREE (3) SHEETS AND IS NOT COMPLETE WITHOUT ALL SHEETS. SEE SHEET ONE (1) FOR DETAILED BOUNDARY AND WETLAND INFORMATION. SEE SHEET TWO (2) AND THREE (3) FOR DETAILED IMPROVEMENTS AND TOPOGRAPHIC INFORMATION.

Sheet: Item Date Aug 07, 2019 8:08am Filename: C:\Users\jarm\Documents\Work\msh\Public_2292_18-0431.02.dwg

FLOOD ZONE:

THIS PROPERTY IS LOCATED IN FEDERAL FLOOD ZONE "X". AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN, AS INTERPOLATED FROM F.I.R.M. PANEL NO. 12001C0143E, EFFECTIVE DATE: NOVEMBER 02, 2018.

POINT OF COMMENCEMENT
NW CORNER OF DRY CREEK
PER PLAT BOOK 'J', PAGES 23 & 24

11001 Research Drive
Alachua, Florida 32015
(352) 331-1976
www.chw-inc.com
est. 1988 FLORIDA
CA-5075

CHW
Professional Consultants

SCALE: 1" = 50'

VERIFY SCALE
BASED ON THE
ORIGINAL DRAWING
BEFORE USE. ADJUST
THIS SHEET, ADJUST
SCALES ACCORDINGLY.

NATURAL VALLEY HARVEST, LTD.

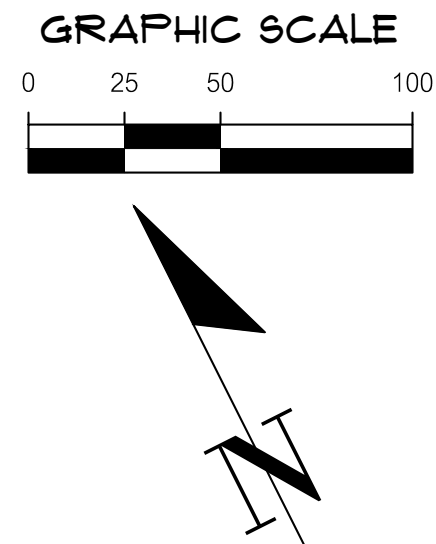
REVISION DATE: 04/15/2019
REVISION BY: VM
CHECKED BY: AHH
PROJECT NUMBER: 18-0431.02

Professional Surveyor & Mapper Fla. License No. 6791

This map prepared by:
Aaron H. Hickman
Certificate of Authorization No. LB 5075
NOT VALID WITHOUT THE ORIGINAL
SIGNATURE AND SEAL OF A FLORIDA
LICENSED SURVEYOR AND MAPPER

SHEET NO.: 1 OF 3

BOUNDARY & TOPOGRAPHIC SURVEY
LYING IN SECTIONS 27 & 28, TOWNSHIP 8 SOUTH, RANGE 19 EAST,
CITY OF ALACHUA, ALACHUA COUNTY, FLORIDA
SKETCH - NOT A BOUNDARY SURVEY



SURVEYOR'S NOTES:

- BEARINGS SHOWN HEREON ARE REFERRED TO A VALUE OF NORTH 12°25'0" EAST FOR THE EASTERLY BOUNDARY LINE OF THE SUBJECT PARCEL, SAID BEARING BEING IDENTICAL WITH THE DESCRIPTION, FOR COMPARISON TO SPM, ROTATE DEED BEARINGS COUNTER-CLOCKWISE 00°28'51".
- BOUNDARY BASED ON PREVIOUS SURVEY PREPARED BY THIS OFFICE, PROJECT NUMBER 04-446.01, DATED FEBRUARY 20TH, 2006.
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- THE SURVEYOR HAS NO KNOWLEDGE OF UNDERGROUND FOUNDATIONS WHICH MAY ENCROACH.
- INSTRUMENTS OF RECORD REFLECTING EASEMENTS, RIGHTS-OF-WAY, AND OR OWNERSHIP WERE NOT FURNISHED TO THE SURVEYOR EXCEPT AS SHOWN. SEARCH OF THE PUBLIC RECORDS HAS NOT BEEN DONE BY THE SURVEYOR.
- INFORMATION FROM FEDERAL EMERGENCY MANAGEMENT AGENCY (F.E.M.A.) FLOOD INSURANCE RATE MAP(S), SHOWN ON THIS MAP WAS CURRENT AS OF THE REFERENCED DATE. MAP REVISIONS AND AMENDMENTS ARE PERIODICALLY MADE BY LETTER AND MAY NOT BE REFLECTED ON THE MOST CURRENT MAP.
- FENCES, SYMBOLS, MONUMENTATION AND UTILITIES SHOWN HEREON MAY BE EXAGGERATED FOR PICTORIAL PURPOSES ONLY AND MAY NOT BE SHOWN TO SCALE.
- IN THE OPINION OF THIS SURVEYOR, THE PERIMETER LINES AS SHOWN HEREON REPRESENT THE LOCATION OF THE BOUNDARY LINES OF THE SUBJECT PARCEL IN RELATION TO THE DESCRIPTION OF RECORD AND THOSE EXISTING LAND CORNERS FOUND TO BE ACCEPTABLE BY THIS SURVEYOR.
- ELEVATIONS SHOWN HEREON ARE (NVD 29) BASED ON FLORIDA DEPARTMENT OF TRANSPORTATION TBM 19 HAVING A PUBLISHED ELEVATION OF 52.245 METERS (171.417 FEET). FOR RELATION TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 1988), ADJUST ALL ELEVATIONS -0.79 FEET.
- ADDITIONAL POINTS MAY BE FOUND BY TURNING ON THE SV-NODE LAYERS IN THE SUPPLIED DIGITAL FILE.
- THIS SURVEY CONSIST OF THREE (3) SHEETS AND IS NOT COMPLETE WITHOUT ALL SHEETS. SEE SHEET ONE (1) FOR DETAILED BOUNDARY AND WETLAND INFORMATION. SEE SHEET TWO (2) AND THREE (3) FOR DETAILED IMPROVEMENTS AND TOPOGRAPHIC INFORMATION.

LEGEND:

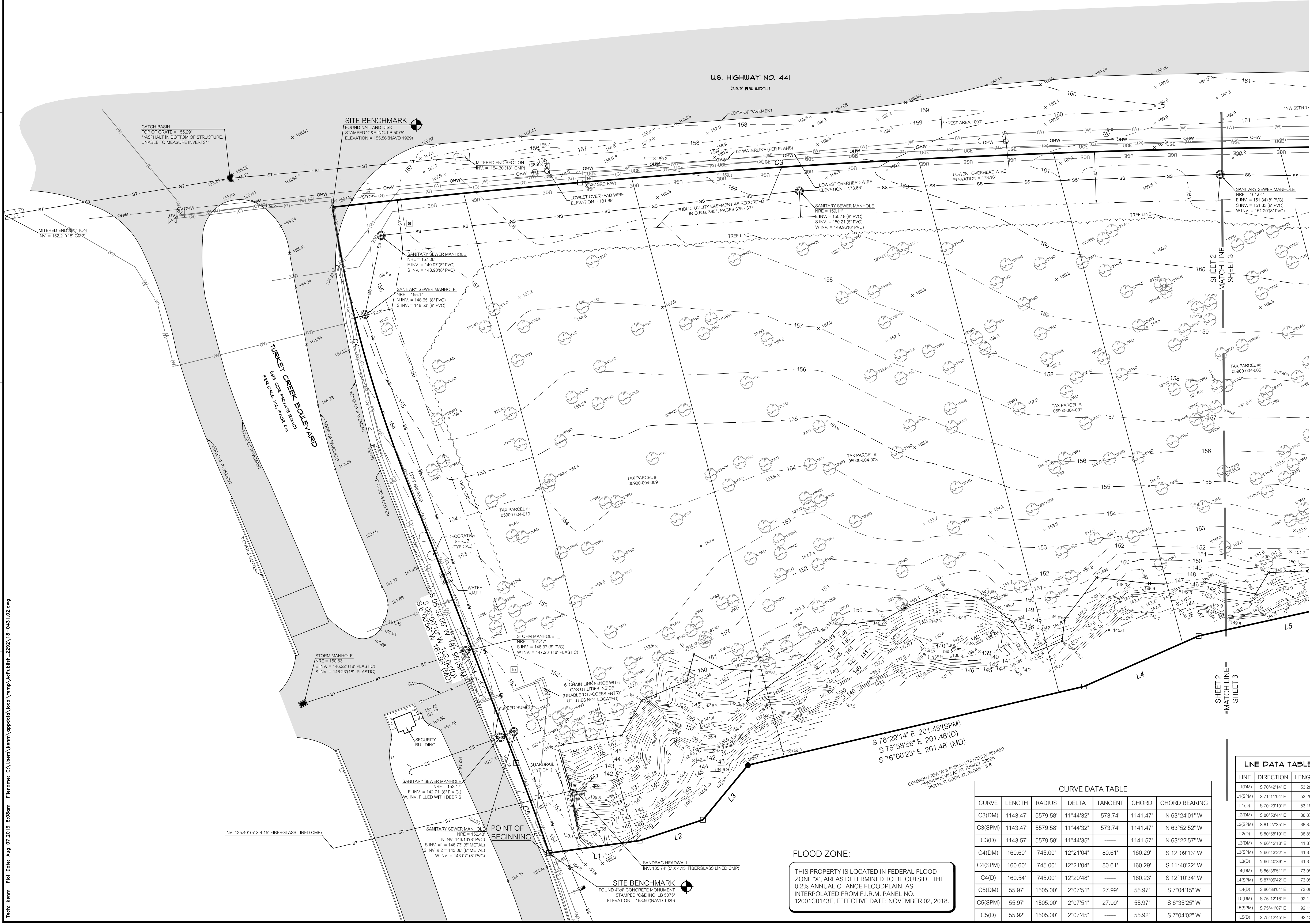
- BENCHMARK
- FOUND 4"x4" CONCRETE MONUMENT STAMPED "C&E INC. LB 5075", UNLESS OTHERWISE NOTED
- FOUND NAIL AND DISK STAMPED "C&E INC. LB 5075", UNLESS OTHERWISE NOTED
- SET 5/8" STEEL REBAR AND CAP MARKED "CHW INC LB 5075"
- FIRE HYDRANT
- TELEPHONE JUNCTION BOX
- GAS LINE MARKER
- GAS VALVE
- GUY ANCHOR
- SIGN
- DECORATIVE SHRUB
- TREE (SIZE AND TYPE AS NOTED)
- SANITARY SEWER MANHOLE
- STORM SEWER MANHOLE
- TELEPHONE LINE MARKER
- TELEPHONE PEDESTAL
- WATER LINE MARKER
- WOODEN POWER POLE
- WATER VALVE
- WATER METER
- STORM INLET
- OVERHEAD WIRE
- SANITARY SEWER LINE
- GUARD RAIL
- STORM SEWER LINE
- UNDERGROUND ELECTRIC LINE
- UNDERGROUND WATER LINE
- UNDERGROUND GAS LINE
- CONTOUR LINE
- END OF FEATURE NOT DETERMINED
- ASPHALT SURFACE
- CONCRETE SURFACE

(D) = DATA BASED ON DESCRIPTION
(MD) = DATA BASED ON FIELD MEASUREMENTS
(SPM) = DATA BASED ON STATE PLANE MEASUREMENTS
O.R.B. = OFFICIAL RECORDS BOOK
RW = RIGHT OF WAY
NRE = NORTH RIM ELEVATION
FEMA = FEDERAL EMERGENCY MANAGEMENT AGENCY
NAVD = NORTH AMERICAN VERTICAL DATUM
X 155.5 = SPOT ELEVATION (PERVIOUS SURFACE)
X 155.75 = SPOT ELEVATION (IMPERVIOUS SURFACE)
X WL 640 = WETLAND FLAG DESTINATION NUMBER
F.I.R.M. = FLOOD INSURANCE RATE MAP
LO = LIVE OAK
LAO = LAUREL OAK
WO = WATER OAK
HICK = HICKORY
MAG = MAGNOLIA
BO = BLUFF OAK
SC = SWAMP CHESTNUT
RO = RED OAK
SG = SWEETGUM
CAM = CAMPHOR
INV = INVERT
RCP = REINFORCED CONCRETE PIPE
PVC = POLYVINYL CHLORIDE
CMP = CORRUGATED METAL PIPE

LINE	DIRECTION	LENGTH
L1(DM)	S 70°42'14" E	53.28'
L1(SPM)	S 71°11'04" E	53.28'
L1(D)	S 70°29'10" E	53.18'
L2(DM)	S 80°58'44" E	38.87'
L2(SPM)	S 81°27'35" E	38.87'
L2(D)	S 80°58'18" E	38.89'
L3(DM)	N 66°42'13" E	41.37'
L3(SPM)	N 66°13'22" E	41.37'
L3(D)	N 66°40'39" E	41.37'
L4(DM)	S 96°35'11" E	73.05'
L4(SPM)	S 97°32'42" E	73.05'
L4(D)	S 96°38'04" E	73.08'
L5(DM)	S 75°12'18" E	82.11'
L5(SPM)	S 75°41'03" E	82.11'
L5(D)	S 75°12'48" E	82.13'

CURVE	LENGTH	RADIUS	DELTA	TANGENT	CHORD	CHORD BEARING
C3(DM)	1143.47'	5579.58'	11°44'32"	573.74'	1141.47'	N 63°24'01" W
C3(SPM)	1143.47'	5579.58'	11°44'32"	573.74'	1141.47'	N 63°52'52" W
C3(D)	1143.57'	5579.58'	11°44'35"	-----	1141.57'	N 63°22'57" W
C4(DM)	160.60'	745.00'	12°21'04"	80.61'	160.29'	S 12°09'13" W
C4(SPM)	160.60'	745.00'	12°21'04"	80.61'	160.29'	S 11°40'22" W
C4(D)	160.54'	745.00'	12°20'48"	-----	160.23'	S 12°10'34" W
C5(DM)	55.97'	1505.00'	2°07'51"	27.99'	55.97'	S 7°04'15" W
C5(SPM)	55.97'	1505.00'	2°07'51"	27.99'	55.97'	S 6°35'25" W
C5(D)	55.92'	1505.00'	2°07'45"	-----	55.92'	S 7°04'02" W

FLOOD ZONE:
THIS PROPERTY IS LOCATED IN FEDERAL FLOOD ZONE "X". AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN, AS INTERPOLATED FROM F.I.R.M. PANEL NO. 12001C0143C, EFFECTIVE DATE: NOVEMBER 02, 2018.



11001 Research Drive
Alachua, Florida 32015
(352) 331-1976
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CA-50715

CHW
Professional Consultants

SCALE: 1" = 50'

DATE: 04/15/2019
REVISION DATE: 06/13/2019
PROJECT NUMBER: 18-0431.02

THIS map prepared by:
AARON H. HICKMAN
SEE SHEET ONE OF THREE
NOT VALID WITHOUT THE ORIGINAL
SIGNATURE AND SEAL OF A FLORIDA
LICENSED SURVEYOR AND MAPPER
Professional Surveyor & Mapper Fla. License No. 6791

SHEET NO.: 2 OF 3

SURVEYOR'S NOTES:

1. BEARINGS SHOWN HEREON ARE REFERRED TO A VALUE OF NORTH 12°25'50" EAST FOR THE EASTERLY BOUNDARY LINE OF THE SUBJECT PARCEL. SAID BEARING BEING IDENTICAL WITH THE DESCRIPTION. FOR COMPARISON TO SPM, ROTATE DEED BEARINGS COUNTER-CLOCKWISE 00°28'51".
2. BOUNDARY BASED ON PREVIOUS SURVEY PREPARED BY THIS OFFICE, PROJECT NUMBER 04-446.01, DATED FEBRUARY 20TH, 2006.
3. NO UNDERGROUND INSTALLATION OF UTILITIES OR IMPROVEMENTS HAVE BEEN LOCATED EXCEPT AS SHOWN. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.
4. THE SURVEYOR HAS NO KNOWLEDGE OF UNDERGROUND FOUNDATIONS WHICH MAY ENCROACH.
5. INSTRUMENTS OF RECORD REFLECTING EASEMENTS, RIGHTS-OF-WAY, AND OR OWNERSHIP WERE NOT FURNISHED TO THE SURVEYOR EXCEPT AS SHOWN. SEARCH OF THE PUBLIC RECORDS HAS NOT BEEN DONE BY THE SURVEYOR.
6. INFORMATION FROM FEDERAL EMERGENCY MANAGEMENT AGENCY, (F.E.M.A.) FLOOD INSURANCE RATE MAP(S), SHOWN ON THIS MAP WAS CURRENT AS OF THE REFERENCED DATE. MAP REVISIONS AND AMENDMENTS ARE PERIODICALLY MADE BY LETTER AND MAY NOT BE REFLECTED ON THE MOST CURRENT MAP.
7. FENCES, SYMBOLS, MONUMENTATION AND UTILITIES SHOWN HEREON MAY BE EXAGGERATED FOR PICTORIAL PURPOSES ONLY AND MAY NOT BE SHOWN TO SCALE.
8. IN THE OPINION OF THIS SURVEYOR, THE PERIMETER LINES AS SHOWN HEREON REPRESENT THE LOCATION OF THE BOUNDARY LINES OF THE SUBJECT PARCEL IN RELATION TO THE DESCRIPTION OF RECORD AND THOSE EXISTING LAND CORNERS FOUND TO BE ACCEPTABLE BY THIS SURVEYOR.
9. ELEVATIONS SHOWN HEREON ARE (NGVD 29) BASED ON FLORIDA DEPARTMENT OF TRANSPORTATION TBM 19 HAVING A PUBLISHED ELEVATION OF 52.248 METERS (171.417 FEET). FOR RELATION TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 1988), ADJUST ALL ELEVATIONS -0.79 FEET.
10. ADDITIONAL POINTS MAY BE FOUND BY TURNING ON THE SV-NODE LAYERS IN THE SUPPLIED DIGITAL FILE.
11. THIS SURVEY CONSIST OF THREE (3) SHEETS AND IS NOT COMPLETE WITHOUT ALL SHEETS. SEE SHEET ONE (1) FOR DETAILED BOUNDARY AND WETLAND INFORMATION. SEE SHEET TWO (2) AND THREE (3) FOR DETAILED IMPROVEMENTS AND TOPOGRAPHIC INFORMATION.

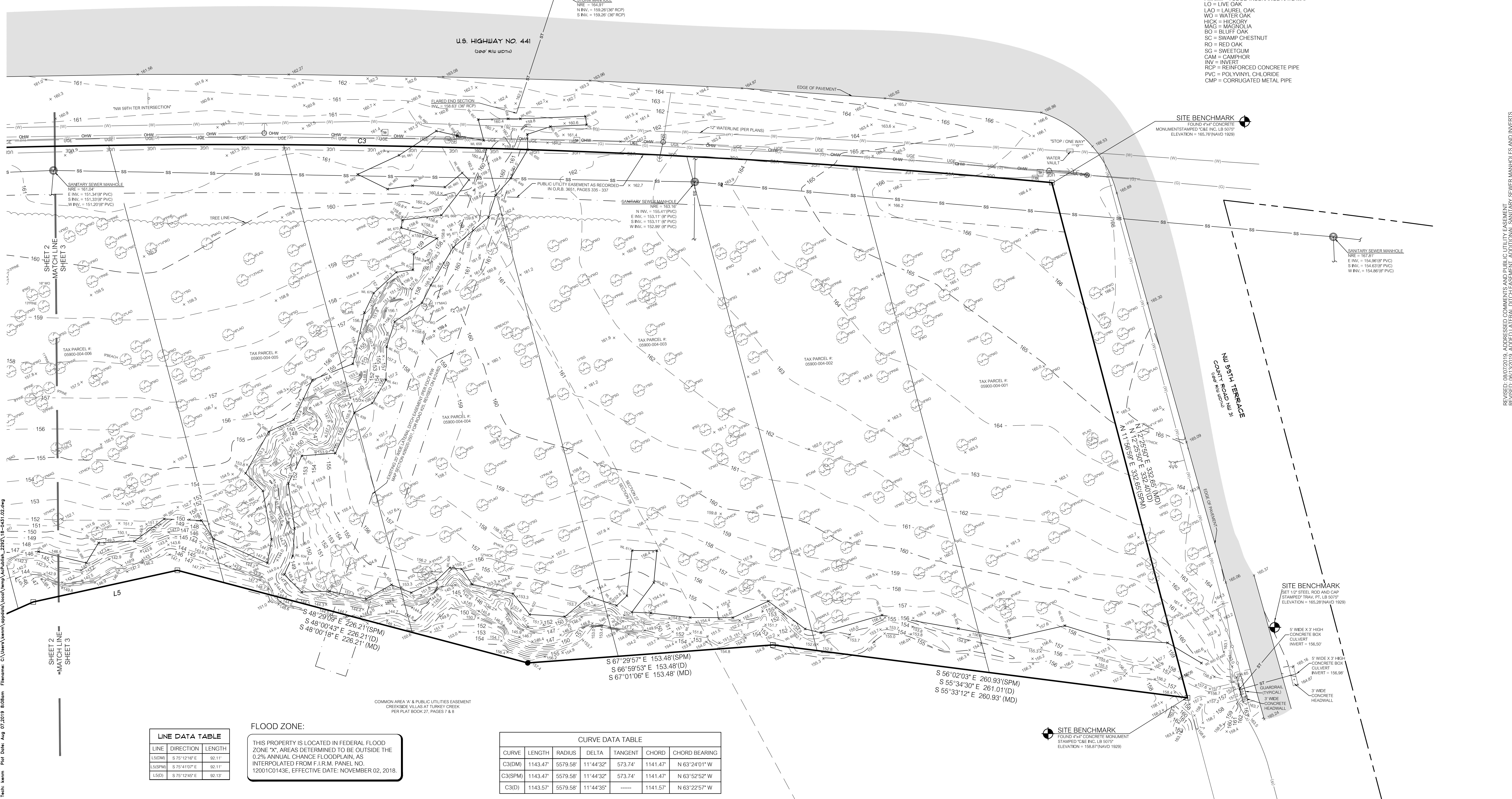
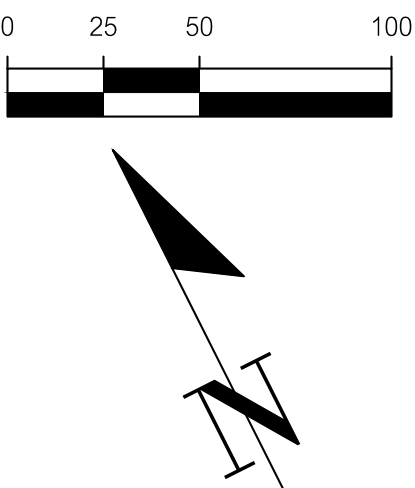
BOUNDARY & TOPOGRAPHIC SURVEY
LYING IN SECTIONS 27 & 28, TOWNSHIP 8 SOUTH, RANGE 19 EAST,
CITY OF ALACHUA, ALACHUA COUNTY, FLORIDA
SKETCH - NOT A BOUNDARY SURVEY

LEGEND:

- = BENCHMARK
- = FOUND 4"x4" CONCRETE MONUMENT STAMPED "C&E INC. LB 5075", UNLESS OTHERWISE NOTED
- = FOUND NAIL AND DISK STAMPED "C&E INC. LB 5075", UNLESS OTHERWISE NOTED
- = SET 5/8" STEEL REBAR AND CAP MARKED "CHW INC LB 5075"
- = FIRE HYDRANT
- = TELEPHONE JUNCTION BOX
- = GAS LINE MARKER
- = GAS VALVE
- = GUY ANCHOR
- = SIGN
- = DECORATIVE SHRUB
- = TREE (SIZE AND TYPE AS NOTED)
- = SANITARY SEWER MANHOLE
- = STORM SEWER MANHOLE
- = TELEPHONE LINE MARKER
- = WATER LINE MARKER
- = WOODEN POWER POLE
- = WATER VALVE
- = WATER METER
- = STORM INLET

- = OVERHEAD WIRE
- = SANITARY SEWER LINE
- = GUARD RAIL
- = STORM SEWER LINE
- = UNDERGROUND ELECTRIC LINE
- = UNDERGROUND WATER LINE
- = UNDERGROUND GAS LINE
- = CONTOUR LINE
- = END OF FEATURE
- = NOT DETERMINED
- = ASPHALT SURFACE
- = CONCRETE SURFACE
- (D) = DATA BASED ON DESCRIPTION
- (MD) = DATA BASED ON FIELD MEASUREMENTS
- (SPM) = DATA BASED ON STATE PLANE MEASUREMENTS
- Q.R.B. = OFFICIAL RECORDS BOOK
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- CAM = CAMPHOR
- INV = INVERT
- RCP = REINFORCED CONCRETE PIPE
- PVC = POLYVINYL CHLORIDE
- CMP = CORRUGATED METAL PIPE

GRAPHIC SCALE



LINE DATA TABLE		
LINE	DIRECTION	LENGTH
L5(DM)	S 75°12'40" E	62.11'
L5(SPM)	S 75°41'07" E	62.11'
L5(D)	S 75°12'40" E	62.13'

FLOOD ZONE:

THIS PROPERTY IS LOCATED IN FEDERAL FLOOD ZONE "X". AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN, AS INTERPOLATED FROM F.I.R.M. PANEL NO. 12001C0143E, EFFECTIVE DATE: NOVEMBER 02, 2018.

CURVE DATA TABLE					
CURVE	LENGTH	RADIUS	DELTA	TANGENT	CHORD BEARING
C3(DM)	1143.47'	5579.58'	11°44'32"	573.74'	1141.47' N 63°24'01" W
C3(SPM)	1143.47'	5579.58'	11°44'32"	573.74'	1141.47' N 63°52'52" W
C3(D)	1143.57'	5579.58'	11°44'35"	573.74'	1141.57' N 63°22'57" W

REVISION: 08/07/2019, ADDRESSED COMMENTS AND PUBLIC UTILITY EASEMENT
REVISED 08/13/2019, ADDED AND REMOVED DIGITIZATION, ADDITIONAL SANITARY SEWER MANHOLES AND INVERTS

DATE: 04/15/2019
REVISION DATE: 08/13/2019
PROJECT NUMBER: 18-0431.02

DESIGNED BY: AARON H. HICKMAN
CHECKED BY: AHH
FIELD BOOK & PAGE: 73, 75, 77, 78, 79

THIS MAP PREPARED BY: AARON H. HICKMAN

SEE SHEET ONE OF THREE

NOT VALID WITHOUT THE ORIGINAL
SIGNATURE AND SEAL OF A FLORIDA
LICENSED SURVEYOR AND MAPPER

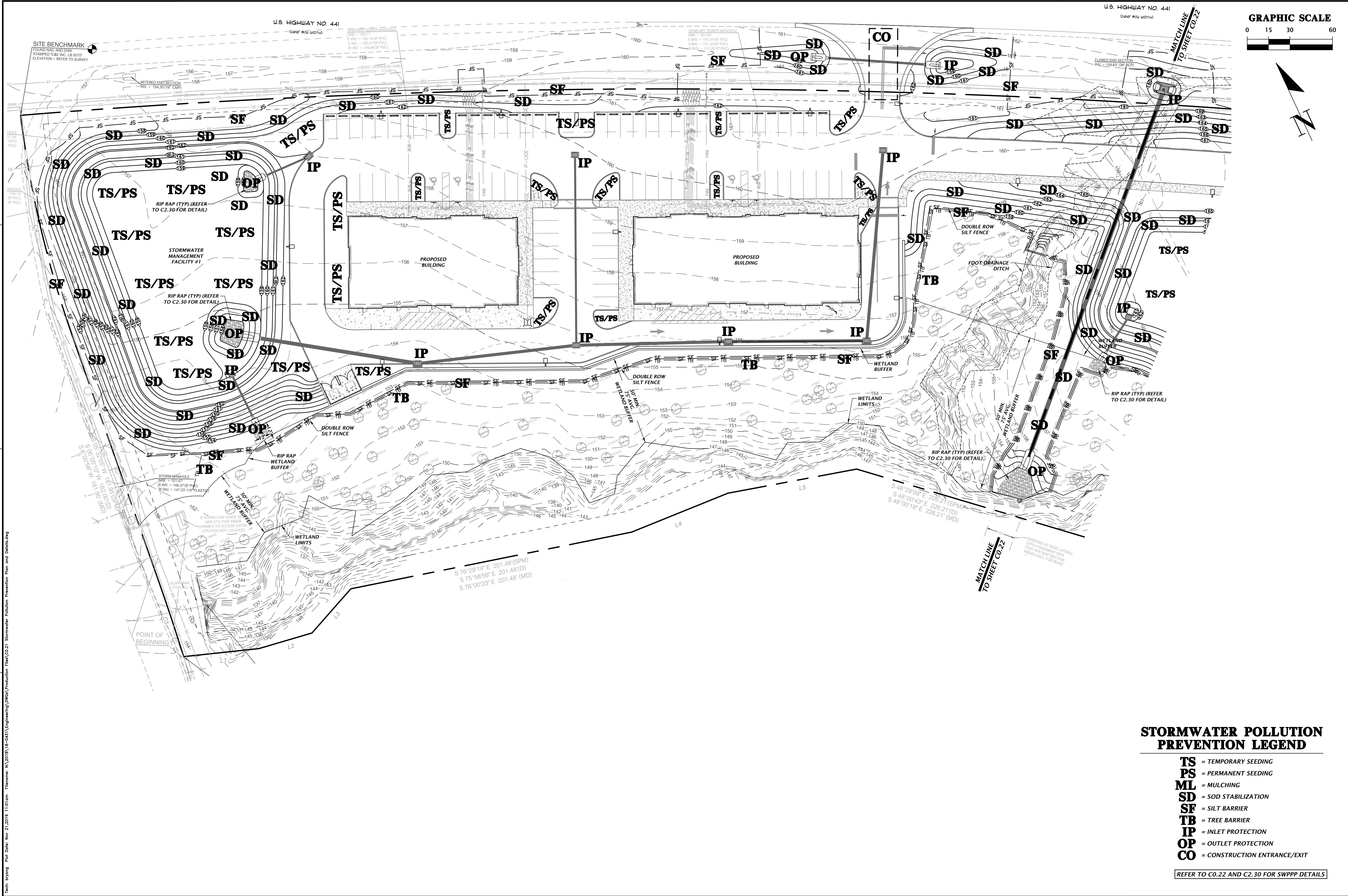
SHEET NO.: 3 OF 3

Professional Surveyor & Mapper Fla. License No. 6791

NATURAL VALLEY HARVEST, LTD.

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est. 1988 FLORIDA
CA-5075



STORMWATER POLLUTION PREVENTION LEGEND

- TS** = TEMPORARY SEEDING
- PS** = PERMANENT SEEDING
- ML** = MULCHING
- SD** = SOD STABILIZATION
- SF** = SILT BARRIER
- TB** = TREE BARRIER
- IP** = INLET PROTECTION
- OP** = OUTLET PROTECTION
- CO** = CONSTRUCTION ENTRANCE/EXIT

REFER TO C0.22 AND C2.30 FOR SWPPP DETAILS

11801 Research Drive Alachua, Florida 32615 (352) 331-1976 www.chw-inc.com	
est. 1988 FLORIDA CA-5075	
CHW Professional Consultants	
SCALE: 1"=30'	REFER TO SCALE ON BAR FOR THE ORIGINAL DRAWING. THIS SHEET, ADJUST SCALES ACCORDINGLY.
CONSTRUCTION/REV. REVISIONS:	
DATE: 06/27/19 - CITY OF ALACHUA, SRWMD & FOOT 08/08/19 - CITY OF ALACHUA, SRWMD & FOOT 10/17/19 - CITY OF ALACHUA, SRWMD & FOOT 11/07/19 - CITY OF ALACHUA, SRWMD & FOOT 11/21/19 - 100% CONSTRUCTION DOCUMENTS	
CLIENT: NATURAL VALLEY HARVEST LTD	PROJECT: THE GOLF PLAZA
DESIGNER: E. CULLESPIE	PROJECT NUMBER: 18-0431
QUALITY CONTROL: D. YOUNG, P.E.	
REGISTERED PROFESSIONAL: R. WALPOLE, P.E.	
SHEET TITLE: STORMWATER POLLUTION PREVENTION PLAN AND DETAILS	
FL PE No. 70780	
SHEET NO: C0.21	