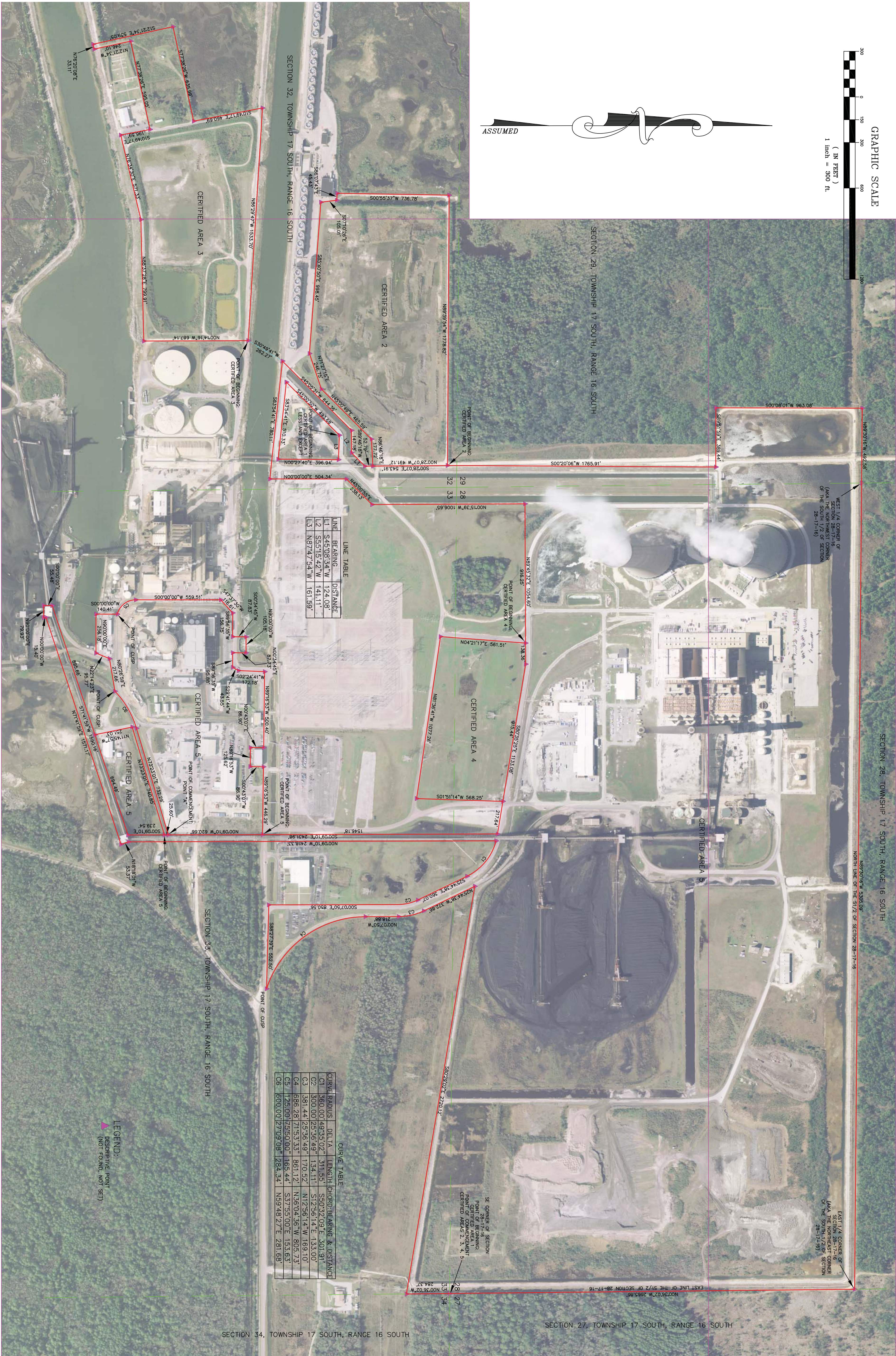
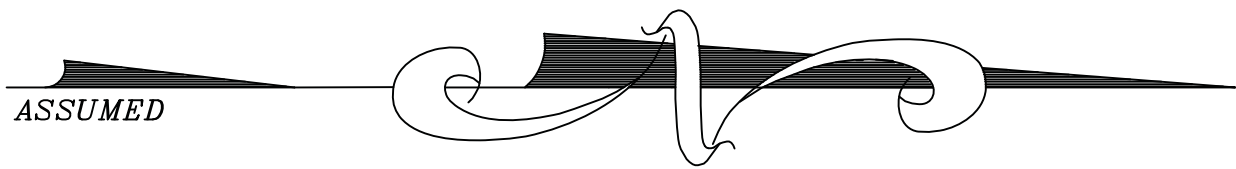
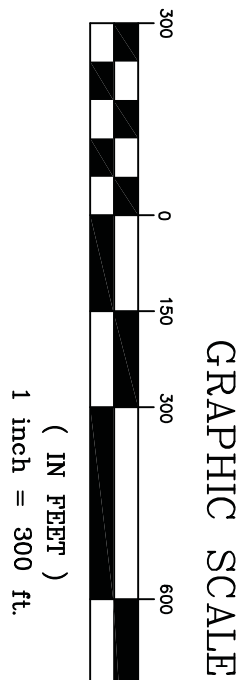


Attachment A



LINE TABLE

LINE	BEARING	DISTANCE
1	S45°08'34\"	124.08
2	S55°19'52\"	141.11
3	N67°47'34\"	161.89

CURVE TABLE

CURVE	RADIUS	DELTA	LENGTH	CHORD	BEARING & DISTANCE
C1	360.00'	49°35'02\"	311.85'	S80°32'09\"E	301.91'
C2	300.00'	25°35'49\"	134.11'	S12°56'14\"E	133.00'
C3	381.44'	25°35'49\"	170.82'	N12°56'14\"W	169.10'
C4	688.28'	21°53'33\"	861.12'	N36°04'36\"W	805.73'
C5	125.00'	25°50'00\"	165.44'	S37°55'00\"E	153.63'
C6	600.00'	27°09'08\"	284.34'	N59°48'27\"E	281.88'

LEGEND:

DESCRIPTION POINT (NOT FOUND, NOT SET)

NOTE:

SEE SHEET 1 OF 2 FOR LEGAL DESCRIPTIONS, SURVEYORS NOTES, AND CERTIFICATION. NOT VALID UNLESS ACCOMPANIED BY SHEET 1 OF 2.

SKETCH AND LEGAL DESCRIPTIONS FOR PROGRESS ENERGY CRYSTAL RIVER

CITRUS COUNTY,		FLORIDA
Project No. 10120_A02	Field Book , Page (SEE FILE)	Drawing Date: 01/17/2011
Scale: 1"= 300'	Field Date: N/A	Sheet: 2 of 2

DATE: REVISION



GulfWest Surveying, Inc.

Professional Surveyors and Mappers

9469 W. Green Bay Lane
Crystal River, Florida 34428
Ph: 352.563.1252 Fax: 352.563.1253

LEGAL DESCRIPTION: (CERTIFIED AREA 1)

A PARCEL OF LAND LYING IN AND BEING A PORTION OF SECTIONS 28, 29, 32, AND 33 OF TOWNSHIP 17 SOUTH, RANGE 16 EAST, CITRUS COUNTY, FLORIDA AND BEING FURTHER DESCRIBED AS FOLLOWS:

BEGIN AT THE SOUTHEAST CORNER OF SECTION 28, TOWNSHIP 17 SOUTH, RANGE 16 EAST THENCE N00°36'02W AND ALONG THE EAST LINE OF SAID SECTION 28, 2,665.86 FEET TO THE NORTHEAST CORNER OF THE SOUTH 1/2 OF SAID SECTION 28; THENCE N89°30'16"W AND ALONG THE NORTH LINE OF THE SOUTH 1/2 OF SAID SECTION 28, 5,305.09 FEET TO THE NORTHWEST CORNER OF SAID SOUTH 1/2 OF SECTION 28; THENCE CONTINUE N89°30'16"W, 492.58 FEET; THENCE S00°08'01"W, 963.08 FEET; THENCE S89°51'59"E, 389.44 FEET; THENCE S00°20'06"W, 1,765.91 FEET; THENCE S00°28'07"E, 543.91 FEET; THENCE S45°08'34"W, 124.08 FEET; THENCE S89°46'18"W, 147.18 FEET; THENCE S45°05'31"W, 644.36 FEET; THENCE S83°54'41"E, 780.11 FEET; THENCE N00°01'00"E, 504.34 FEET; THENCE N45°00'55"E, 238.13 FEET; THENCE N00°15'39"W, 1,006.65 FEET; THENCE N89°45'32"E, 1,054.60 FEET; THENCE S80°35'25"E, 1133.08 FEET; THENCE S00°09'10"E, 2,431.98 FEET; THENCE S71°41'59"W, 1,580.16 FEET; THENCE S00°00'00"E, 55.48 FEET; THENCE S00°00'00"E, 79.93 FEET; THENCE N00°00'00"W, 15.40 FEET; THENCE S00°00'00"E, 55.48 FEET; THENCE N18°18'01"W, 53.37 FEET; THENCE N00°09'10"W, 2,418.33 FEET TO POINT ON A CURVE; SAID CURVE BEING CONCAVE TO THE SOUTHWESTERLY, HAVING A CENTRAL ANGLE OF 49°35'02" AND A RADUS OF 360.00 FEET; THENCE SOUTHEASTERLY ALONG THE ARC OF SAID CURVE A DISTANCE OF 311.55 FEET TO A POINT OF TANGENCY (CHORD BEARING AND DISTANCE FOR SAID CURVE BEING S50°32'09"E, 301.91 FEET); THENCE S25°44'18"E, 360.07 FEET TO A POINT OF CURVATURE; SAID CURVE BEING CONCAVE TO THE WESTERLY, HAVING A CENTRAL ANGLE OF 25°36'49" AND A RADUS OF 300.00 FEET; THENCE SOUTHERLY ALONG THE ARC OF SAID CURVE A DISTANCE OF 134.11 FEET TO A POINT OF TANGENCY (CHORD BEARING AND DISTANCE FOR SAID CURVE BEING S12°56'14"E, 133.00 FEET); THENCE S00°07'50"E, 850.56 FEET; THENCE S88°27'39"E, 552.50 FEET; TO A POINT OF CURSP WITH A CURVE CONCAVE NORTHEASTERLY, SAID CURVE HAVING A CENTRAL ANGLE OF 71°53'33" AND A RADUS OF 861.12 FEET TO A POINT OF TANGENCY; (CHORD BEARING AND DISTANCE FOR SAID CURVE BEING N36°04'36"W, 805.73 FEET); THENCE N00°07'50"W, 218.88 FEET TO A POINT OF CURVATURE; SAID CURVE BEING CONCAVE TO THE WESTERLY, HAVING A CENTRAL ANGLE OF 25°36'49" AND A RADUS OF 381.44 FEET; THENCE NORTHERLY ALONG THE ARC OF SAID CURVE A DISTANCE OF 170.52 FEET TO A POINT OF TANGENCY; (CHORD BEARING AND DISTANCE FOR SAID CURVE BEING N12°56'14"W, 169.10 FEET); THENCE N25°44'38"W, 372.86 FEET; THENCE S80°29'02"E, 2,720.12 FEET; THENCE N00°36'02"W, 284.37 FEET TO THE POINT OF BEGINNING.

LESS AND EXCEPT:

COMMENCE AT THE SOUTHEAST CORNER OF SECTION 28, TOWNSHIP 17 SOUTH, RANGE 16 EAST THENCE N00°36'02W AND ALONG THE EAST LINE OF SAID SECTION 28, 2,665.86 FEET TO THE NORTHEAST CORNER OF THE SOUTH 1/2 OF SAID SECTION 28; THENCE N89°30'16"W AND ALONG THE NORTH LINE OF THE SOUTH 1/2 OF SAID SECTION 28, 5,305.09 FEET TO THE NORTHWEST CORNER OF SAID SOUTH 1/2 OF SECTION 28; THENCE CONTINUE N89°30'16"W, 492.58 FEET; THENCE S00°08'01"W, 963.08 FEET; THENCE S89°51'59"E, 389.44 FEET; THENCE S00°20'06"W, 1,765.91 FEET; THENCE S00°28'07"E, 543.91 FEET; THENCE S45°08'34"W, 124.08 FEET; THENCE S5°15'42"W, 141.11 FEET TO THE POINT OF BEGINNING; THENCE S45°00'50"W, 493.68 FEET; THENCE S83°54'41"E, 510.33 FEET; THENCE N00°27'40"E, 396.94 FEET; THENCE N87°47'54"W, 181.59 FEET TO THE POINT OF BEGINNING

LEGAL DESCRIPTION: (CERTIFIED AREA 2)

A PARCEL OF LAND LYING IN AND BEING A PORTION OF SECTION 32, OF TOWNSHIP 17 SOUTH, RANGE 16 EAST, CITRUS COUNTY, FLORIDA AND BEING FURTHER DESCRIBED AS FOLLOWS:

COMMENCE AT THE SOUTHEAST CORNER OF SECTION 28, TOWNSHIP 17 SOUTH, RANGE 16 EAST THENCE N00°36'02W AND ALONG THE EAST LINE OF SAID SECTION 28, 2,665.86 FEET TO THE NORTHEAST CORNER OF THE SOUTH 1/2 OF SAID SECTION 28; THENCE N89°30'16"W AND ALONG THE NORTH LINE OF THE SOUTH 1/2 OF SAID SECTION 28, 5,305.09 FEET TO THE NORTHWEST CORNER OF SAID SOUTH 1/2 OF SECTION 28; THENCE CONTINUE N89°30'16"W, 492.58 FEET; THENCE S00°08'01"W, 963.08 FEET; THENCE S89°51'59"E, 389.44 FEET; THENCE S00°20'06"W, 1,765.91 FEET TO THE POINT OF BEGINNING; THENCE N89°39'34"W, 1,778.62 FEET; THENCE S00°55'37"W, 736.18 FEET; THENCE S88°07'43"E, 45.43 FEET; THENCE S07°10'28"E, 105.01 FEET; THENCE S89°46'30"E, 998.45 FEET; THENCE N17°21'35"E, 246.75 FEET; THENCE N45°00'49"E, 465.39 FEET; THENCE N86°46'18"E, 177.72 FEET; THENCE N00°28'07"W, 491.12 FEET TO THE POINT OF BEGINNING.

LEGAL DESCRIPTION: (CERTIFIED AREA 3)

A PARCEL OF LAND LYING IN AND BEING A PORTION OF SECTION 32, OF TOWNSHIP 17 SOUTH, RANGE 16 EAST, CITRUS COUNTY, FLORIDA AND BEING FURTHER DESCRIBED AS FOLLOWS:

BEGIN AT THE SOUTHEAST CORNER OF SECTION 28, TOWNSHIP 17 SOUTH, RANGE 16 EAST THENCE N00°36'02W AND ALONG THE EAST LINE OF SAID SECTION 28, 2,665.86 FEET TO THE NORTHEAST CORNER OF THE SOUTH 1/2 OF SAID SECTION 28; THENCE N89°30'16"W AND ALONG THE NORTH LINE OF THE SOUTH 1/2 OF SAID SECTION 28, 5,305.09 FEET TO THE NORTHWEST CORNER OF SAID SOUTH 1/2 OF SECTION 28; THENCE CONTINUE N89°30'16"W, 492.58 FEET; THENCE S00°08'01"W, 963.08 FEET; THENCE S89°51'59"E, 389.44 FEET; THENCE S00°20'06"W, 1,765.91 FEET; THENCE S00°28'07"E, 543.91 FEET; THENCE S45°08'34"W, 124.08 FEET; THENCE S89°46'18"W, 147.18 FEET; THENCE S45°05'31"W, 644.36 FEET; THENCE S30°49'41"W, 262.27 FEET TO THE POINT OF BEGINNING; THENCE N86°29'47"W, 1,533.70 FEET; THENCE S10°49'17"E, 460.69 FEET; THENCE S77°38'26"W, 635.89 FEET; THENCE S12°21'34"E, 539.05 FEET; THENCE N76°20'08"E, 33.11 FEET; THENCE N12°21'34"W, 246.10 FEET; THENCE N77°38'26"E, 595.05 FEET; THENCE S10°49'17"E, 196.59 FEET; THENCE N76°34'30"E, 571.33 FEET; THENCE N88°37'28"E, 799.91 FEET; THENCE N00°14'16"W, 687.14 FEET TO THE POINT OF BEGINNING.

LEGAL DESCRIPTION: (CERTIFIED AREA 4)

A PARCEL OF LAND LYING IN AND BEING A PORTION OF SECTIONS 28, AND 33 OF TOWNSHIP 17 SOUTH, RANGE 16 EAST, CITRUS COUNTY, FLORIDA AND BEING FURTHER DESCRIBED AS FOLLOWS:

COMMENCE AT THE SOUTHEAST CORNER OF SECTION 28, TOWNSHIP 17 SOUTH, RANGE 16 EAST; THENCE N00°36'02W AND ALONG THE EAST LINE OF SAID SECTION 28, 2,665.86 FEET TO THE NORTHEAST CORNER OF THE SOUTH 1/2 OF SAID SECTION 28; THENCE N89°30'16"W AND ALONG THE NORTH LINE OF THE SOUTH 1/2 OF SAID SECTION 28, 5,305.09 FEET TO THE NORTHWEST CORNER OF SAID SOUTH 1/2 OF SECTION 28; THENCE CONTINUE N89°30'16"W, 492.58 FEET; THENCE S00°08'01"W, 963.08 FEET; THENCE S89°51'59"E, 389.44 FEET; THENCE S00°20'06"W, 1,765.91 FEET; THENCE S00°28'07"E, 543.91 FEET; THENCE S45°08'34"W, 124.08 FEET; THENCE S89°46'18"W, 147.18 FEET; THENCE S45°05'31"W, 644.36 FEET; THENCE S83°54'41"E, 780.11 FEET; THENCE N00°01'00"E, 504.34 FEET; THENCE N45°00'55"E, 238.13 FEET; THENCE N00°15'39"W, 1,006.65 FEET; THENCE N89°45'32"E, 1,054.60 FEET; THENCE S80°35'25"E, 1133.08 FEET; THENCE S00°09'10"E, 2,431.98 FEET; THENCE S71°41'59"W, 1,580.16 FEET; THENCE S00°00'00"E, 55.48 FEET; THENCE S00°00'00"E, 79.93 FEET; THENCE N00°00'00"W, 15.40 FEET; THENCE S00°00'00"E, 55.48 FEET; THENCE N18°18'01"W, 53.37 FEET; THENCE N00°09'10"W, 2,418.33 FEET TO POINT ON A CURVE; SAID CURVE BEING CONCAVE TO THE SOUTHWESTERLY, HAVING A CENTRAL ANGLE OF 49°35'02" AND A RADUS OF 360.00 FEET; THENCE SOUTHEASTERLY ALONG THE ARC OF SAID CURVE A DISTANCE OF 311.55 FEET TO A POINT OF TANGENCY (CHORD BEARING AND DISTANCE FOR SAID CURVE BEING S50°32'09"E, 301.91 FEET); THENCE S25°44'18"E, 360.07 FEET TO A POINT OF CURVATURE; SAID CURVE BEING CONCAVE TO THE WESTERLY, HAVING A CENTRAL ANGLE OF 25°36'49" AND A RADUS OF 300.00 FEET; THENCE SOUTHERLY ALONG THE ARC OF SAID CURVE A DISTANCE OF 134.11 FEET TO A POINT OF TANGENCY (CHORD BEARING AND DISTANCE FOR SAID CURVE BEING S12°56'14"E, 133.00 FEET); THENCE S00°07'50"E, 850.56 FEET; THENCE S88°27'39"E, 552.50 FEET; TO A POINT OF CURSP WITH A CURVE CONCAVE NORTHEASTERLY, SAID CURVE HAVING A CENTRAL ANGLE OF 71°53'33" AND A RADUS OF 861.12 FEET TO A POINT OF TANGENCY; (CHORD BEARING AND DISTANCE FOR SAID CURVE BEING N36°04'36"W, 805.73 FEET); THENCE N00°07'50"W, 218.88 FEET TO A POINT OF CURVATURE; SAID CURVE BEING CONCAVE TO THE WESTERLY, HAVING A CENTRAL ANGLE OF 25°36'49" AND A RADUS OF 381.44 FEET; THENCE NORTHERLY ALONG THE ARC OF SAID CURVE A DISTANCE OF 170.52 FEET TO A POINT OF TANGENCY; (CHORD BEARING AND DISTANCE FOR SAID CURVE BEING N12°56'14"W, 169.10 FEET); THENCE N25°44'38"W, 372.86 FEET; THENCE S80°29'02"E, 2,720.12 FEET; THENCE N00°36'02"W, 284.37 FEET TO THE POINT OF BEGINNING.

LEGAL DESCRIPTION: (CERTIFIED AREA 5)

A PARCEL OF LAND LYING IN AND BEING A PORTION OF SECTION 33 OF TOWNSHIP 17 SOUTH, RANGE 16 EAST, CITRUS COUNTY, FLORIDA AND BEING FURTHER DESCRIBED AS FOLLOWS:

BEGIN AT THE SOUTHEAST CORNER OF SECTION 28, TOWNSHIP 17 SOUTH, RANGE 16 EAST THENCE N00°36'02W AND ALONG THE EAST LINE OF SAID SECTION 28, 2,665.86 FEET TO THE NORTHEAST CORNER OF THE SOUTH 1/2 OF SAID SECTION 28; THENCE N89°30'16"W AND ALONG THE NORTH LINE OF THE SOUTH 1/2 OF SAID SECTION 28, 5,305.09 FEET TO THE NORTHWEST CORNER OF SAID SOUTH 1/2 OF SECTION 28; THENCE CONTINUE N89°30'16"W, 492.58 FEET; THENCE S00°08'01"W, 963.08 FEET; THENCE S89°51'59"E, 389.44 FEET; THENCE S00°20'06"W, 1,765.91 FEET; THENCE S00°28'07"E, 543.91 FEET; THENCE S45°08'34"W, 124.08 FEET; THENCE S89°46'18"W, 147.18 FEET; THENCE S45°05'31"W, 644.36 FEET; THENCE S83°54'41"E, 780.11 FEET; THENCE N00°01'00"E, 504.34 FEET; THENCE N45°00'55"E, 238.13 FEET; THENCE N00°15'39"W, 1,006.65 FEET; THENCE N89°45'32"E, 1,054.60 FEET; THENCE S80°35'25"E, 1133.08 FEET; THENCE S00°09'10"E, 1,546.18 FEET TO THE POINT OF BEGINNING; THENCE N89°16'53"W, 446.29 FEET; THENCE S00°43'07"W, 86.90 FEET; THENCE N89°16'53"W, 125.62 FEET; THENCE N00°43'07"E, 86.90 FEET; THENCE N89°16'53"W, 500.40 FEET; THENCE S02°24'41"W, 172.18 FEET; THENCE S29°41'44"W, 43.55 FEET; THENCE S89°56'35"W, 95.88 FEET; THENCE N00°34'45"E, 87.73 FEET; THENCE N89°56'35"W, 156.75 FEET; THENCE S47°37'30"W, 116.61 FEET; THENCE S00°00'00"W, 559.51 FEET TO A POINT OF CURVATURE; SAID CURVE BEING CONCAVE TO THE NORTHEASTERLY, HAVING A CENTRAL ANGLE OF 7°50'00" AND A RADUS OF 125.00 FEET; THENCE SOUTHEASTERLY ALONG THE ARC OF SAID CURVE A DISTANCE OF 165.44 FEET TO A POINT OF CURSP; (CHORD BEARING AND DISTANCE FOR SAID CURVE BEING S37°55'00"E, 153.63 FEET); THENCE S00°00'00"W, 140.41 FEET; THENCE N90°00'00"E, 256.18 FEET; THENCE N22°14'23"E, 95.77 FEET; THENCE N80°26'59"E, 217.66 FEET TO A POINT OF CURSP WITH A CURVE, SAID CURVE BEING CONCAVE TO THE SOUTHEASTERLY, HAVING A CENTRAL ANGLE OF 27°09'08" AND A RADUS OF 600.00 FEET; THENCE NORTHEASTERLY ALONG THE ARC OF SAID CURVE A DISTANCE OF 284.34 FEET TO A POINT OF TANGENCY, (CHORD BEARING AND DISTANCE FOR SAID CURVE BEING N59°48'27"E, 281.68 FEET); THENCE N73°23'01"E, 732.29 FEET TO A POINT HEREINAFTER REFERRED TO AS POINT "A"; THENCE N00°09'10"W, 620.66 FEET TO THE POINT OF BEGINNING.

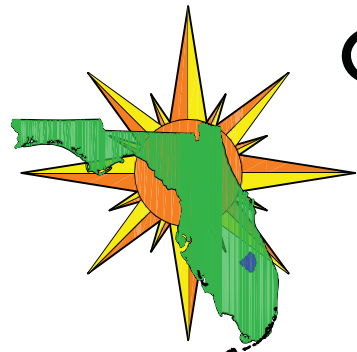
TOGETHER WITH

COMMENCE AT THE ABOVE DESCRIBED POINT "A", THENCE S00°09'10"E, 25.60 FEET TO THE POINT OF BEGINNING; THENCE CONTINUE S00°09'10"E, 239.54 FEET; THENCE S71°41'59"W, 604.49 FEET; THENCE N17°45'57"W, 251.03 FEET; THENCE N73°23'01"E, 740.85 FEET TO THE POINT OF BEGINNING.

SURVEYORS NOTES:

- 1.The bearings shown hereon are based on assumed datum.
- 2.This is not a boundary survey.
- 3.No instrument of record reflecting easements, rights of way and/or ownership were furnished to the surveyor except as shown hereon. No title opinion is expressed or implied.
- 4.The lands shown hereon may be subject to other recorded or unrecorded easements, right of ways, conveyances, restrictions and reservations other than shown hereon.

NOTE:
SEE SHEET 2 OF 2 FOR MAP OF LEGAL DESCRIPTIONS, NOT VALID UNLESS ACCOMPANIED BY SHEET 2 OF 2.



GulfWest Surveying, Inc.

Professional Surveyors and Mappers

9469 W. Green Bay Lane

Crystal River, Florida 34428

Ph: 352.563.1252 Fax: 352.563.1253

SKETCH AND LEGAL DESCRIPTIONS

FOR PROGRESS ENERGY

CRYSTAL RIVER

FLORIDA

CITRUS COUNTY,

Project No. 10120_A02	Field Book , Page (SEE FILE)	Drawing Date: 01/17/2011
Scale: N/A	Field Date: N/A	Sheet: 1 of 2

- NOTES:
1. FOR NOTES AND REFERENCES REFER TO DRAWING CCC00-CV-C-00.C5-01.

2. ALL SECTION CUTS AND DETAILS HAVE A PREFIX "CCC00-" WHICH IS NOT SHOWN.

3. THE CONTRACTOR MAY CLEAR OTHER AREAS OF THE SITE CONCURRENTLY ALONG WITH CONSTRUCTION OF THE SEDIMENT CONTROL SYSTEMS AS SHOWN ONLY IF APPROPRIATE EROSION CONTROL MEASURES ARE INSTALLED PER THE FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEWER MANUAL IN THE AREAS THAT ARE BEING CLEARED.

4. FOR EROSION CONTROL AND SEDIMENT CONTROL GENERAL NOTES REFER TO CCC00-CV-C-EC.00-01.

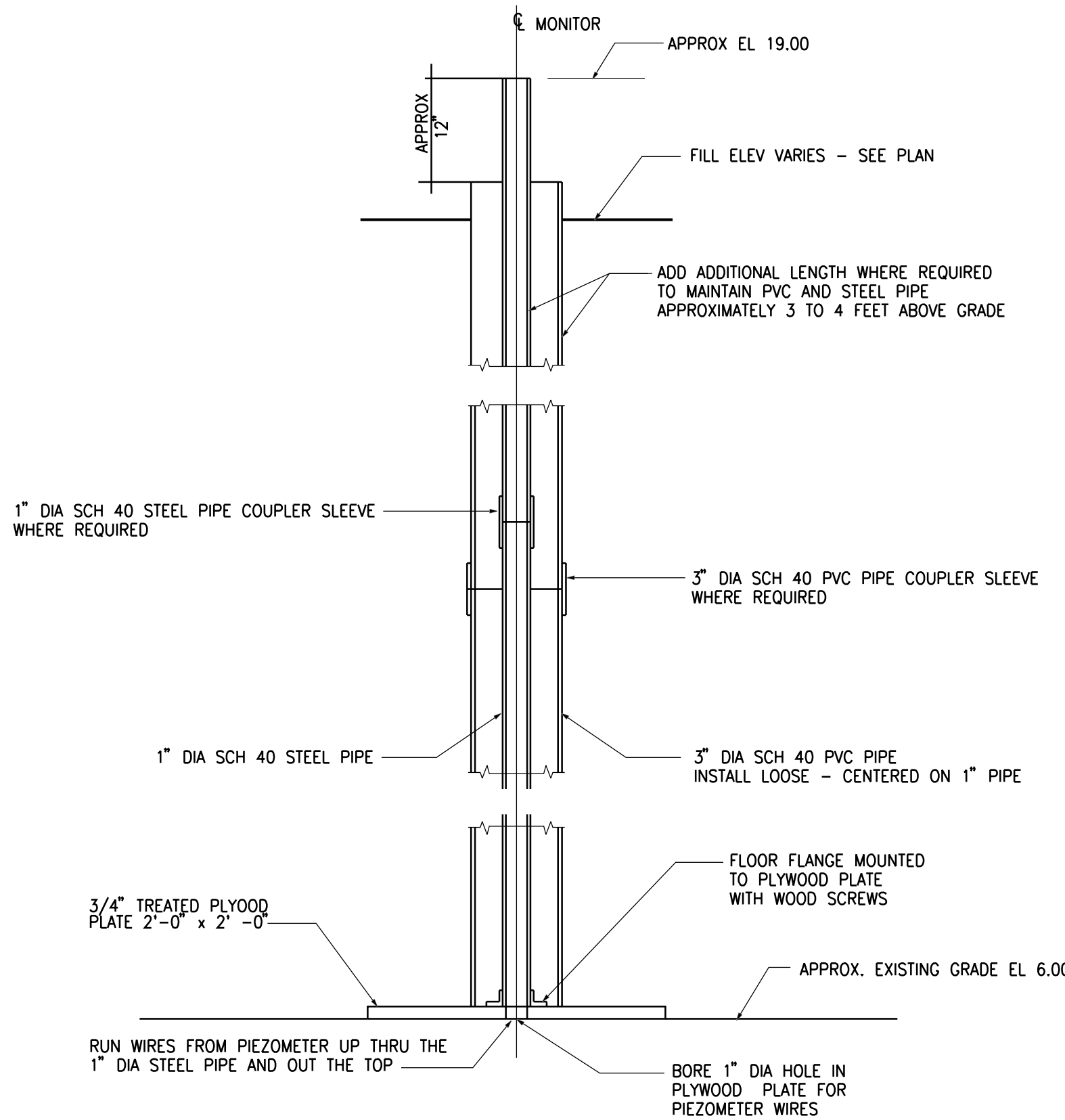
SETTLEMENT MONITORING LOCATION	BORING LOCATION	NORTHING	EASTING	ELEVATION OF PIEZOMETER POREWATER PRESSURE ELEMENT (FT)
		(STATE PLANE, FT)		
FP-01	FB-12	1,684,932.830	440,536.234	- 8
FP-02	B-15	1,684,922.442	440,989.895	- 3
FP-03	FB-38	1,685,041.836	441,562.752	- 15
FP-04	FB-26	1,685,251.564	441,110.063	- 8
FP-05	FB-02	1,685,276.041	440,408.816	- 8
FP-06	SB-36	1,685,512.300	440,980.800	- 15

IF REFUSAL IS ENCOUNTERED PRIOR TO REACHING THE PIEZOMETER POREWATER PRESSURE ELEMENT ELEVATIONS, THE PIEZOMETER SHALL BE EXTRACTED AND THE LOCATION SHALL BE MOVED 5 OR 10 FEET. IF THE SPECIFIED ELEVATION CANNOT BE ACHIEVED IN A MINIMUM OF 3 ATTEMPTS, CONTACT THE GEOTECHNICAL ENGINEER.

SETTLEMENT MONITORING LOCATIONS ABOVE ARE INDICATED ON SHEET GR.PL-30.

PIEZOMETER NOTES:

1. EARTHWORK CONTRACTOR SHALL INSTALL THE PIEZOMETERS PRIOR TO THE INSTALLATION OF THE SETTLEMENT MONITORS. THE PIEZOMETERS SHALL BE INSTALLED AT SAME LOCATION SPECIFIED FOR THE SETTLEMENT MONITORS. REFER TO SHEET GR.PL-30 FOR ADDITIONAL INFORMATION.
2. PIEZOMETERS SHALL BE PUSH-IN VIBRATING WIRE PIEZOMETERS WHERE THE PORE PRESSURE ELEMENT IS INSTALLED TO ELEVATION INDICATED IN THE TABLE. PIEZOMETERS SHALL BE SIMILAR TO RST MODEL NUMBER VW2100-DP OR SLOPE INDICATOR MODEL NUMBER 52621020 WITH PRESSURE RANGE OF NO GREATER THAN 50 PSI.
3. THE PIEZOMETERS SHALL BE CALIBRATED PRIOR TO INSTALLATION PER MANUFACTURERS RECOMMENDATIONS AS APPROPRIATE. CONSIDERING THE PRESSURES ANTICIPATED.
4. PIEZOMETERS SHALL BE READ BY THE GEOTECHNICAL TESTING AND INSPECTION AGENCY A MINIMUM OF TWICE PER WEEK OR AS OTHERWISE MODIFIED BY THE ENGINEER OF RECORD BASED ON AN EVALUATION OF THE DATA. THE READINGS SHALL BE COORDINATED WITH THE SETTLEMENT MONITOR READINGS TO OCCUR WITHIN THE SAME DAY.
5. THE PERSONNEL USED FOR READING THE PIEZOMETERS SHALL BE KEPT CONSISTENT THROUGHOUT THE MEASUREMENT PERIOD TO MAINTAIN CONSISTENCY IN THE DATA.
6. SETTLEMENT MONITOR INSTALLATION BY EARTHWORK CONTRACTOR: PLACE SETTLEMENT MONITOR BASE PLATE AT ORIGINAL GRADE FOLLOWING CLEARING AND GRUBBING, STRIPPING AND PROPPROLLING. SMOOTH AND LEVEL THE GRADE TO MAINTAIN PVC AND STEEL PIPE BACKFILL APPROXIMATELY 2 FT HIGH AND TAMP.
7. TAKE CARE WHILE PLACING FILL TO AVOID DAMAGE TO SETTLEMENT MONITOR.
8. ELEVATION READINGS SHALL BE TAKEN BY SURVEYOR (EARTHWORK CONTRACTOR) BOTH DURING AND AFTER COMPLETION OF SITE FILLING, A MINIMUM OF 2 TIMES A WEEK, MONDAYS AND THURSDAYS, UNTIL DIRECTED TO STOP BY THE ENGINEER OF RECORD. ESTIMATED DURATION OF MONITORING IS 5 MONTHS. PERSONNEL USED FOR READING THE SETTLEMENT MONITORS SHALL BE KEPT CONSTANT THROUGHOUT THE MEASUREMENT PERIOD TO MAINTAIN CONSISTENCY IN THE DATA.
9. SURVEYOR (EARTHWORK CONTRACTOR) SHALL SEND ELEVATION DATA TO SCOTT JACOBS OF FLUOR ON A WEEKLY BASIS. PHONE No: 704-526-3246, E-MAIL: scott.jacobs@fluor.com
10. ALTERNATIVES TO THE SETTLEMENT MONITORS SHOWN ON THE DRAWINGS MAY BE ACCEPTABLE UPON REVIEW AND APPROVAL BY THE ENGINEER OF RECORD.



SETTLEMENT MONITOR DETAIL
NOT TO SCALE

CCV00-CV-C-GR.PL-11

CCV00-CV-C-GR.PL-13

CCV00-CV-C-GR.PL-15

CCV00-CV-C-GR.PL-17

CCV00-CV-C-GR.PL-12

CCV00-CV-C-GR.PL-14

CCV00-CV-C-GR.PL-16

CCV00-CV-C-GR.PL-18

		MECH	LAYOUT	CSA	ELEC	REV	DATE	JOB NO.	PROJECT TYPE	DES	DFTR	CHKD	ENGR	APPD
		W	W		W	03	03/13/17	CICCO	CONSTRUCTION					
						DESC: ISSUED FOR CONSTRUCTION (IFC) UPDATED POND ELEVATIONS								
		MECH	LAYOUT	CSA	ELEC	REV	DATE	JOB NO.	PROJECT TYPE	DES	DFTR	CHKD	ENGR	APPD
		W	W	SAJ	W	02	10/04/16	CICCO	CONSTRUCTION	JDH	JDH	MPM	JDH	JRM
						DESC: ISSUED FOR CONSTRUCTION (IFC) REMOVED HOLD ON PERC POND LOCATION								
		MECH	LAYOUT	CSA	ELEC	REV	DATE	JOB NO.	PROJECT TYPE	DES	DFTR	CHKD	ENGR	APPD
		W	W	SAJ	W	01	01/20/16	CICCO	CONSTRUCTION	JDH	JDH	MPM	JDH	JRM
						DESC: ISSUED FOR CONSTRUCTION (IFC) UPDATED PERC POND LOCATION								
		MECH	LAYOUT	CSA	ELEC	REV	DATE	JOB NO.	PROJECT TYPE	DES	DFTR	CHKD	ENGR	APPD
		W	W	SAJ	W	00	09/21/15	CICCO	CONSTRUCTION	JDH	JDH	MPM	JDH	JRM
						DESC: ISSUED FOR CONSTRUCTION (IFC)								
		MECH	LAYOUT	CSA	ELEC	REV	DATE	JOB NO.	PROJECT TYPE	DES	DFTR	CHKD	ENGR	APPD
		W	W	SAJ	W	B	07/24/15	CICCO	CONSTRUCTION	JDH	CIT	MPM	JDH	JRM
						DESC: ISSUED FOR BID (IFB)								
DRAWING NUMBER	REFERENCE DRAWINGS	MECH	LAYOUT	CSA	ELEC	REV	DATE	JOB NO.	PROJECT TYPE	DES	DFTR	CHKD	ENGR	APPD
		W	W	SAJ	W	A	06/15/15	CICCO	CONSTRUCTION	BSL	CIT	MPM	JDH	JRM
						DESC: ISSUED FOR ACCEPTANCE (IFA)								

RESERVED FOR PROFESSIONAL ENGINEER'S SEAL, IF APPLICABLE

Michael F. Martin
P.E. #79730

FLUOR

6700 LAS COLINAS BLVD.
IRVING, TEXAS 75039

CERTIFICATE OF AUTHORIZATION LICENSE NUMBER: 3833

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TITLE

DUKE ENERGY FLORIDA
CITRUS COUNTY COMBINED CYCLE PROJECT

CIVIL
PHASE 2
GRADING AND EROSION CONTROL
OVERALL PLAN

FOR
CITRUS COUNTY COMBINED CYCLE - UNIT 00

FILENAME: CCC00-CV-C-GR.PL-10

DWG SIZE
ARCH E1
30.0"x42.0"

DRAWING NO.
CCC00-CV-C-GR.PL-10

REVISION
03

SCALE: 1" = 200'
DWG TYPE: CV
JOB NO: C1000C
DATE: 09/21/15
APPD: JRM

DES: BSL
DFTR: CIT
CHKD: MPM
ENGR: JDH