Indian River County Purchasing Division purchasing@ircgov.com



Addendum 2

Issue Date: January 23, 2019

Project Name: Sebastian Harbor Preserve Boardwalk Design and

Construction

Bid Number: **2019028**

Bid Opening Date: <u>January 31, 2019 at 2:00 p.m.</u>

This addendum is being released to answer questions received to date.

The information and documents contained in this addendum are hereby incorporated in the invitation to bid. This addendum must be acknowledged where indicated on the bid form, or the bid will be declared non-responsive.

Attachments:

Sebastian Harbor Preserve Boundary Survey Sebastian Harbor Preserve Certified

Questions and Answers

- Will a FDEP permit be required?
 No.
- 2. Will a USACE permit be required?

No.

- 3. Has the county started a permit application for the USACE or FDEP permits for this project? All required environmental permits have been received.
- 4. Are there any existing surveys of the Preserve available for contractor review prior to the bid due date?

See attached.

- 5. Can the Proposal Pricing sheet be revised, not understanding the N/A called out in the pricing sheet? Please clarify?
 - The N/A refers to the fact that labor (such as site survey and mobilization) does not have a unit price. Unit prices are applied to material costs.
- 6. Can the county provide an Excel file of the Proposal Pricing sheet? No.

********Th	nis Addendum must be ackno	owledged by return of this page with your Proposal'	*****
Company Na	me		
Name:		Title:	
	(Type / Printed)		
Authorized Si	ignature:	Date:	_
Telenhone:		Fmail:	



Boundary Survey For: Indian River County Engineering Division Survey Section

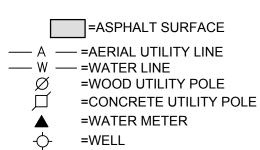


SURVEYOR'S NOTES:

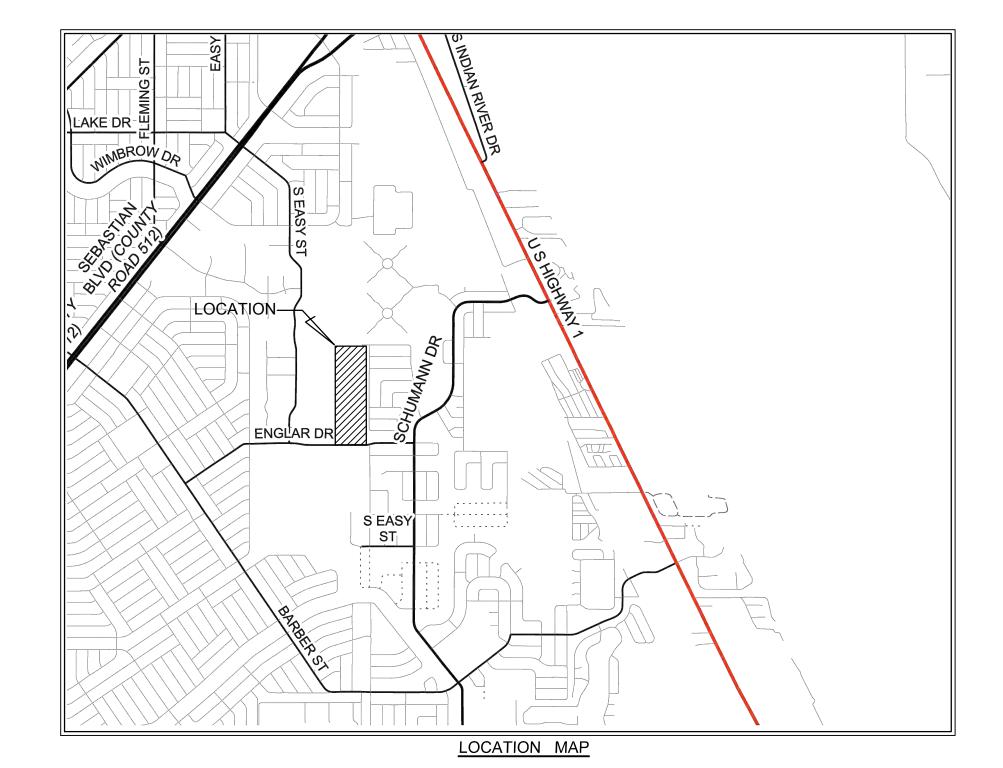
- 1. This survey is not valid without the signature and original raised seal of a Florida Licensed Professional Surveyor and Mapper.
- 2. The bearings shown hereon are based on the 1983 North American Datum, 2011 adjustment, and projected in the Florida State Plane Coordinate System, East Zone. this survey was tied to the Florida Permanent Reference Network (FPRN) (Maintained by the Florida Department of Transportation Survey Department) deriving a grid bearing of S00°09'24"W along the East line of the East One-Half of the Southwest ¹/₄ of Section 18, Township 31 South, Range 39 East, and all others are relative thereto.
- 3. Only above ground appurtenances and visible utilities shown hereon have been located. Underground improvements such as utilities and foundations were not located.
- 4. This Survey was prepared without the benefit of a title policy. Therefore there may be Easements, Restrictions and/or Reservations not shown hereon, but found in the Public Records.
- 5. The Right of Way for Englar Drive was established using the Plat of Sebastian Highlands Unit -16 as recorded in Plat Book 8, Page 45-45J, Public Records of Indian river County, Florida.
- 6. Symbols shown hereon depict the horizontal position of that specific improvement. the symbols (for graphical purpose) are not drawn to scale.
- 7. The field work for this survey was completed by Indian River County Personnel on the date of June 13, 2018.
- 8. This Survey meets and/or exceeds the accuracy requirements per Chapter 5J-17, Florida Administrative Code.
- 9. The measurements for this survey were made utilizing conventional and real time kinematic Surveying methods with the following equipment: Leica Viva Global Positioning System, Topcon GTS 500 Robotic Total Station with Magnet Software.
- 10. All distances shown hereon are expressed in U.S. Survey feet.
- 11. Sheet's 1 and 2 of this map are intended to be displayed at a scale of 1"=100' or smaller.
- 12. The subject property appears to contain Wetland's that were not located.
- 13. The subject property lies in shaded Flood Zone "X" (areas of 0.2% annual chance flood) and Flood Zone "A" (special Flood Hazard Areas subject to Indundation by the 1% annual chance Flood-no base Flood Elevation determined) as shown on the Federal Emergency Management Agency Flood Insurance Rate Map; Panel 111 of 390, map No. 12061C0113H, both maps revised: December 4, 2012.
- 14. The subject parcel is a wooded Lot, No trees were located.

SYMBOLS AND ABBREVIATIONS:

A/C=AIR CONDITIONER I.R.F.W.C.D.=INDIAN RIVER FARMS WATER CONTROL DISTRICT C.B.S.=CONCRETE BLOCK STRUCTURE L=ARC LENGTH C/L=CENTERLINE (M)=FIELD MEASURED C.M.=CONCRETE MONUMENT O.R.B.=OFFICIAL RECORDS BOOK CONC=CONCRETE O/S=OFFSET COR.=CORNER (P)=PLATTED COURSE (D)=COURSE PER DEED P.B.=PLAT BOOK DWY=DRIVEWAY P.B.S.=St. LUCIE COUNTY PLAT BOOK E/P=EDGE OF PAVEMENT P.O.B.=POINT OF BEGINNING ESMT=EASEMENT P.O.C.=POINT OF COMMENCEMENT (F)=FIELD MEASURED COURSE P.S.M.=PROFESSIONAL SURVEYOR FNC=FENCE AND MAPPER FND=FOUND P.U.=PUBLIC UTILITY H/W=HEADWALL PVC=POLYVINYL CHLORIDE R=RADIUS I.P.=IRON PIPE R/W=RIGHT OF WAY I.R.=IRON ROD SWK=SIDEWALK I.R.&C.=IRON ROD AND CAP Δ=DELTA ANGLE



=POLE ANCHOR



LEGAL DESCRIPTION PER O.R.B. 2176, PG. 1829

A Parcel of land lying in the East 1/2 of the Northwest 1/4 and in the East 1/2 of the Southwest 1/4 of Section 18, Township 31 South, Range 39 east, being a portion of the Lands as described on O.R. Book 1562, Page 2898, of the Public Records of Indian River County, Florida; said subject parcel being more fully described as follows:

BEGIN at the Northeast corner of said East 1/2 of the Northwest 1/4 as shown on the Plat of "Laurel/Reserve", said plat recorded in Plat Book 17 at Pages 45 through 50, inclusive of said Public Records; Thence South 00 degrees 09 minutes 25 seconds West, along the East line of said East $\frac{1}{2}$ of the Northwest 1/4 as established by said plat, a distance of 2653.51 feet to the Southwest corner of said plat as monumented by a four (4) inch square concrete monument stamped "PRM LB 205" being the Northeast corner of the said East 1/2 of the Southwest 1/4 per said plat and also being the Northwest corner of Block 559 of the plat of "Sebastian Highlands Unit-16", said plat being recorded in Plat Book 8 at pages 45 through 45J, inclusive, of said Public Records; Thence South 00 degrees 04 minutes 29 seconds West, along the East line of said East 1/2 of the Southwest 1/4 as established by said plat of Unit-16 and along the West line of said plat of Unit-16, a distance of 1309.17 feet to Point "A"; Thence continue South 00 degrees 04 minutes 29 seconds West, along said East line of the East 1/2 of the Southwest 1/4 and along the West line of said plat of Unit-16. a distance of 1379.39 feet to the Southeast corner of said East 1/2 of the Southwest 1/4; Thence North 89 degrees 52 minutes 00 seconds West, along the South line of said East 1/2 of the Southwest 1/4, also being the North line of the 80.00 foot wide Public Right of Way of Englar Avenue per said plat of Unit-16, a distance of 1326.94 feet to the Southwest corner of said East 1/2 of the Southwest 1/4 per said plat of Unit-16; Thence departing said South line and North right of way line, North 00 degrees 04 minutes 23 seconds East, along the West line of said East 1/2 of the Southwest 1/4 as established by said plat of Unit-16, also being the East line of an existing public drainage right of way which lies Easterly of Blocks 532, 523, 522 and 517 of said plat of Unit-16, a distance of 0.13 feet to an existing four (4) inch square, unstamped concrete monument; Thence continue North 00 degrees 04 minutes 23 seconds East, along said West line of the East 1/2 of the Southwest 1/4 and said East of the public drainage Right of Way. a distance of 2672.54 feet to the Southwest corner of said East 1/2 of the Northwest 1/4 as established by said plat of Unit-16; Thence North 00 degrees 04 minutes 31 seconds East, along the West line of said East 1/2 of the Northwest 1/4 as established by said plat of Unit-16, also being said East line of the Public Drainage Right of Way, a distance of 2653.59 feet to the Northeast corner of the Plat of "Collier Creek Estates, Phase One", said plat being a partial re-plat of said Unit-16 and being recorded in Plat Book 15 AT Page 11 of said Public Records, as monumented by a four inch square concrete monument stamped "P.L.S. #3435"; Thence Continue North 00 degrees 04 minutes 31 seconds East, along said East and West lines, a distance of 3.83 feet to the Northwest corner of said East 1/2 of the Northwest 1/4, also being the Northeast corner of said Plat of Unit-16; Thence North 89 degrees 37 minutes 02 seconds East, along the North line of said east 1/2 of the Northwest 1/4, a distance of 1330.82 feet to the POINT OF BEGINNING.

Containing 162.68 Acres± (7,086,643 Square Feet±) Survey / 162.67 Acres (7,085,897 Square Feet±) Deed

<u>CERTIFICATION</u>

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

I HEREBY CERTIFY THAT THE BOUNDARY SURVEY SHOWN HEREON WAS COMPLETED UNDER MY DIRECTION AND SAID BOUNDARY SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

I FURTHER CERTIFY THAT THIS BOUNDARY SURVEY MEETS THE REQUIREMENTS FOR THE STANDARDS OF PRACTICE, AS ESTABLISHED IN CHAPTER 5J-17, FLORIDA ADMINISTRATIVE CODE.PURSUANT TO SECTION 472.027 FLORIDA STATE STATUTES.

DATE OF SIGNATURE

DAVID M. SILON INDIAN RIVER ASSISTANT COUNTY SURVEYOR FLORIDA CERTIFICATE NO. 6139

NO.	REVISION	DATE	BY INDIAN RIVER COUNTY	DEPARTMENT OF PUBLIC WORKS	DESIGNED BY:	SECTION: 18 FIELD BOOK: DATE: BLANCHARD 149/151 6/14/2018	Sebastian Harbor Preserve	SHEET 1
			1801 27TH STREET VERO BEACH, FL 32960		DRAWN BY: R. INGLETT	TOWNSHIP: T31S PAGE: PROJECT NUMBER	Sec 18, Township 31 South, Range 39 East	OF
			(772) 567-8000	ENGINEERING DIVISION	APPROVED BY: D. SILON	RANGE: R39E 69-78/71-72 1813	Boundary Survey	3

Boundary Survey For: Indian River County Engineering Division Survey Section TOWNSHIP 31 SOUTH, RANGE 38 EAST TOWNSHIP 31 SOUTH, RANGE 39 EAST Collier Creek Estates, Phase 3 (PLAT BOOK 15, PAGE 66) Collier Creek Estates, Phase 6 (PLAT BOOK 17, PAGE 76) GRAPHIC SCALE Collier Creek Estates, Phase 1 (PLAT BOOK 15, PAGE 11) REPLAT OF PORTIONS OF LOT 4 SEBASTIAN HIGHLANDS UNIT 16 REPLAT OF PORTIONS OF SEBASTIAN HIGHLANDS UNIT 16 UNIT 16 BLOCK 1 CONSERVATION EASEMENT 1 inch = 100 ft. OF SITE ADDRESS: 184 ENGLAR DRIVE O.R.B. 2176, PG. 1829 POINT OF BEGINNING O.R.B. 2176, PAGE 1829 FOUND 4"X4" C.M. WITH DISK "B-MEG LB 3535" AT NORTHEAST CORNER OF THE EAST 1/2 OF THE NORTHWEST 1/4 A 50.0' RIGHT OF WAY AGREEMENT S00°09'27"W - 2653.41'(M) S00°09'25" - 2653.51'(D) LOT 61 Laurel Reserve Phase 1 (PLAT BOOK 17, PAGE 45) Laurel Reserve Phase 2 (PLAT BOOK 24, PAGE 49) -20' DRAINAGE & UTILITY EASEMENT PER PLAT STORM WATER TRACT 3 STORM WATER TRACT 8 LOT 71 LOT 60 LOT 27 LOT 34 LOT 70 Sebastian Harbor Preserve Sec 18, Township 31 South, Range 39 East Boundary Survey DATE BY INDIAN RIVER COUNTY NO. REVISION DEPARTMENT OF PUBLIC WORKS 6/14/2018 BLANCHARD 149/151 1801 27TH STREET DRAWN BY: R. INGLETT PROJECT NUMBER

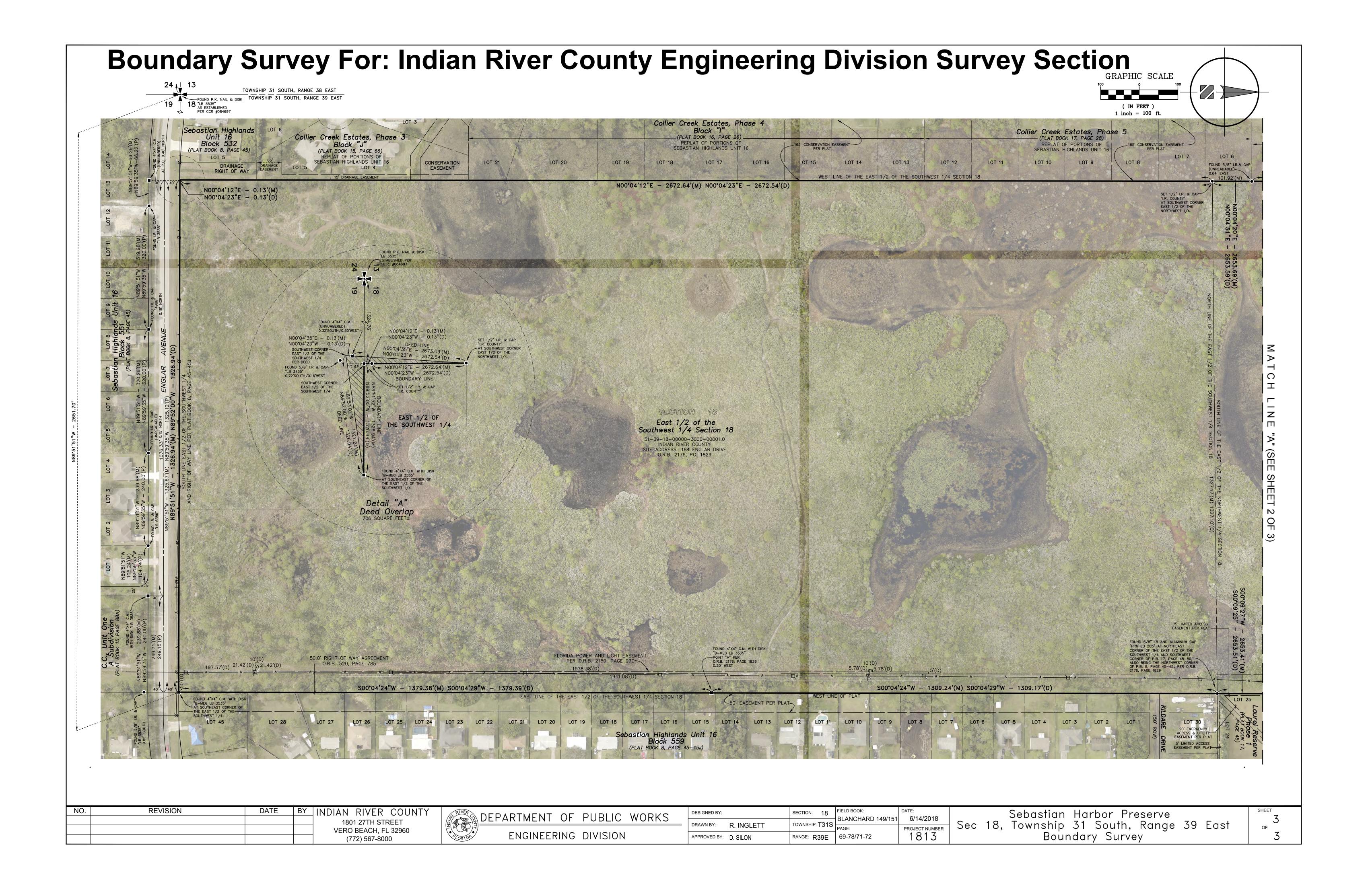
RANGE: R39E 69-78/71-72

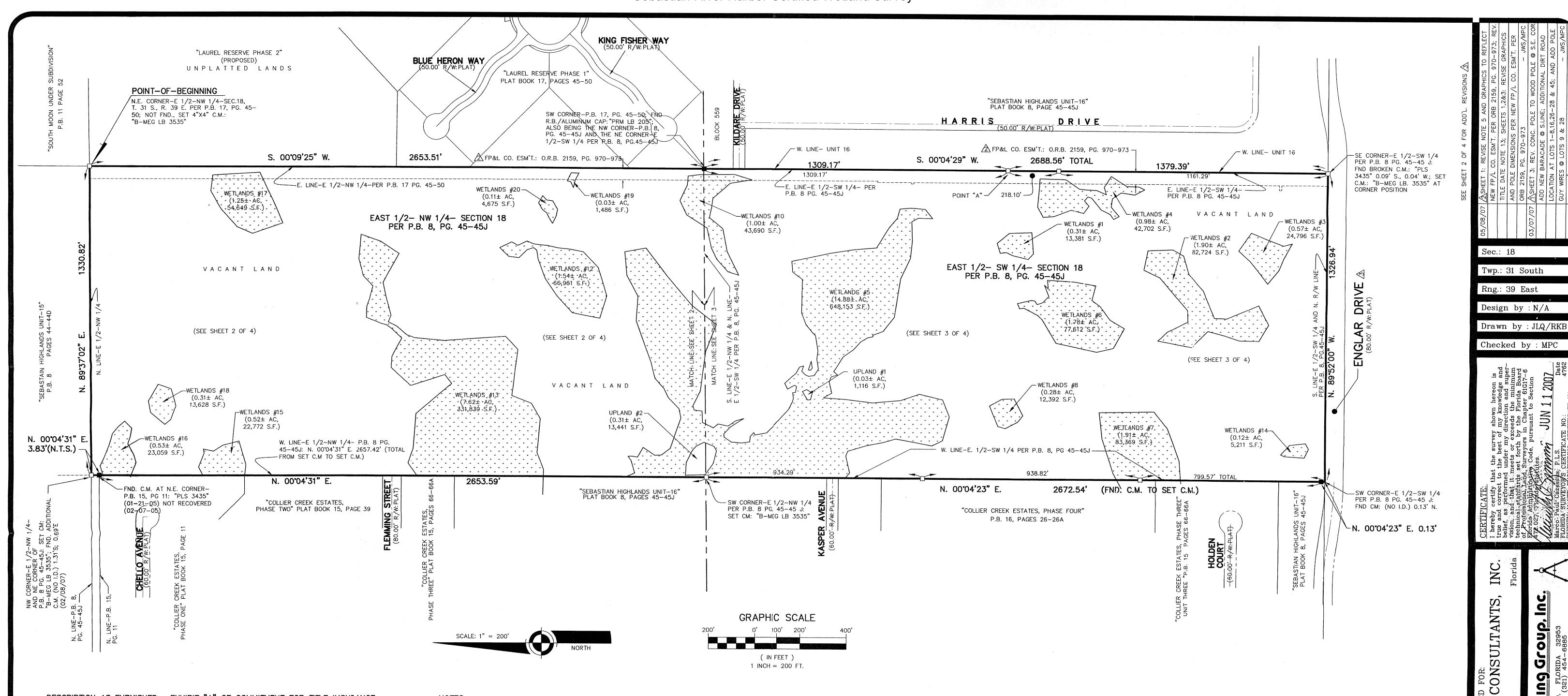
APPROVED BY: D. SILON

VERO BEACH, FL 32960

(772) 567-8000

ENGINEERING DIVISION





DESCRIPTION AS FURNISHED: EXHIBIT "A" OF COMMITMENT FOR TITLE INSURANCE ISSUED BY COMMONWEALTH LAND TITLE INSURANCE CO. (ORDER NO. 50304233CA: REVISION H) 3

A parcel of land lying in the East 1/2 of the Northwest 1/4 and in the East 1/2 of the Southwest 1/4 of Section 18, Township 31 South, Range 39 East, being a portion of the lands as described in O.R. Book 1562, Page 2898, of the Public Records of Indian River County, Florida; said subject parcel being more fully

Begin at the Northeast corner of said East 1/2 of the Northwest 1/4 as shown on the plat of "Laurel Reserve", said plat being recorded in Plat Book 17 at Pages 45 through 50, inclusive of said Public Records; thence South 00 degrees 09 minutes 25 seconds West, along the East line of said East 1/2 of the Northwest 1/4 as established by said plat, a distance of 2653.51 feet to the Southwest corner of said plat as monumented by a four (4) inch square concrete monument stamped "PRM LB 205" being the Northeast corner of the said East 1/2 of the Southwest 1/4 per said plat and also being the Northwest corner of Block 559 of the plat of "Sebastian Highlands Unit-16", said plat being recorded in Plat Book 8 at Pages 45 through 45J, inclusive, of said Public Records; thence South 00 degrees 04 minutes 29 seconds West, along the East line of said East 1/2 of the Southwest 1/4 as established by said plat of Unit-16 and along the West line of said plat of Unit-16, a distance of 1309.17 feet Point "A"; thence continue South 00 degrees 04 minutes 29 seconds West, along said East line of the East 1/2 of the Southwest 1/4 and along the West line of said plat of Unit-16, a distance of 1379.39 feet to the Southeast corner of said East 1/2 of the Southwest 1/4; thence North 89 degrees 52 minutes 00 seconds West, along the South line of said East 1/2 of the Southwest 1/4, also being the North line of the 80.00 foot wide public right of way of Englar Avenue per said plat of Unit-16, a distance of 1326.94 feet to the Southwest corner of said East 1/2 of the Southwest 1/4 per said plat of Unit-16; thence departing said South line and North right of way line, North 00 degrees 04 minutes 23 seconds East, along the West line of said East 1/2 of the Southwest 1/4 as established by said plat of Unit -16, also being the East line of an existing public drainage right of way which lies Easterly of Blocks 532, 523, 522 and 517 of said plat of Unit—16, a distance of 0.13 feet to an existing four (4) inch square, unstamped concrete monument; thence continue North 00 degrees 04 minutes 23 seconds East, along said West line of the East 1/2 of the Southwest 1/4 and said East of the public drainage right of way, a distance of 2672.54 feet to the Southwest corner of said East 1/2 of the Northwest 1/4 as established by said plat of Unit-16; thence North 00 degrees 04 minutes 31 seconds East, along the West line of said East 1/2 of the Northwest 1/4 as established by said plat of Unit-16, also being said East line of the public drainage right of way, a distance of 2653.59 feet to the Northeast corner of the plat of "Collier Creek Estates, Phase One", said plat being a partial replat of said Unit—16 and being recorded in Plat Book 15 at Page 11 of said Public Records, as monumented by a four (4) inch square concrete monument stamped "P.L.S. #3435"; thence continue North 00 degrees 04 minutes 31 seconds East, along said West and East lines, a distance of 3.83 feet to the Northwest corner of said East 1/2 of the Northwest 1/4, also being the Northeast corner of said plat of Unit—16; thence North 89 degrees 37 minutes 02 seconds East, along the North line of said East 1/2 of the Northwest 1/4, a distance of 1330.82 feet to the POINT OF BEGINNING.

- 1. Bearings based on the east line of the East ½ of the Southwest 1/4 of Section 18, Township 31 South, Range 39 East being "S. 00°04'29" W.", an assumed bearing.
- 2. Date of field survey: March 07, 2007.
- 3. Underground improvements (foundations, septic tanks, utility pipes, etc.) if any, not located at time of survey.
- 4. This survey does not warrant title.
- 🟂 5. Pursuant to Title Commitment referenced hereon the F.P.L. Easement as recorded in O.R. Book 2159, Pages 970-973 is as shown hereon. No other easements were provided to the Surveyor
- Wetland limits depicted hereon are based on their field flagging by the Client's Environmental Consultart and as field located by Bussen-Mayer Engineering Group, Inc.; last date of wetland field locations of Sept. 06, 2005. (Note: No Wetland No. 9 or No. 11 were marked or identified).
- 7. Coordinate shown on Sheets 2 and 3 of 4 are for the sole purpose of providing the spatial relationship between the boundary lines of the subject parcel and the wetland parcels. Said coordinates are based on an assumed datum of 5000.00 Northing and 5000.00 Easting at the Southeast corner of the subject parcel.
- 8. Except for the wetlands and eagle's nest as depicted hereon, the Surveyor has not inspected the subject parcel for the possibility of hazardous waste, endangered species habitat or any other environmental issues, if any.
- 9. Subject Parcel area tabulations:
- 162.67 acres/7,085,897 square feet. A. Total Parcel area:
- B. Total Wetland area: 35.32 acres/1,538.542 square feet. C Total Non-Wetland area: 127.35 acres/5,547,355 square feet.
- 10. See Sheet 4 of 4 for the individual wetland parcel bearings and distances, elevations and areas.
- 11. See Sheets 2 and 3 of 4 for additional boundary information.
- 12. Elevations shown hereon (Sheet 4 of 4) are based on National Geodetic Vertical Datum of 1929 per the "Site Benchmarks" provided by the Client (See Sheets 2 and 3 of 4) to provide continuity with the project topographic survey prepared by others.
- 13. The description of the subject parcel shown hereon is as set forth in Exhibit "A" of the Commitment for Title Insurance Company, Order No. 50304233CA, Revision H 2 3 as provided by the Client. However, title to the subject parcel was obtained by the Client by two deeds, O.R. Book 1827, Page 2488 and O.R. Book 1866, Page 2447 of the Indian River County Public Records. The Surveyor has reviewed said two deeds and affirms that said Exhibit "A" and the summation of said two deeds described the same parcel of land.
- 14. This map of survey and the field survey on which it is based meets or exceeds a relative error of closure of 1:10,000 as required for "Commercial/High Risk" parcels as set forth in Chapter 61G17-6.003 (3)(p)(2)(b) Florida

- 15. This survey was prepared for the exclusive use of the parties listed below; copies are valid only when bearing the Surveyor's original signature and embossed seal.
- 16. Certified for the exclusive use of: INDIAN RIVER COUNTY, A POLITICAL SUBDIVISION OF THE STATE OF FLORIDA; ROBERT D.SCHWARTZ, P.A.; COMMONWEALTH LAND TITLE INSURANCE COMPANY; LINCOLN LAND DEVELOPMENT, L.L.C.; FLORIDA COMMUNITIES TRUST.
- 17. This survey meets or exceeds the "Survey Requirements" as set forth in Exhibit "C" as established by the Florida Communities Trust, last revised November 2004.

EGEND:		VICINITY MAP
-MEG B LS RM ND M B/C .BR.B. G. SM'T /W .T.SO.PO.BM.P. .B. H V.R.) TYP.) 1.) 1.) 4. OH— vi8=3 18	BUSSEN-MAYER ENGINEERING GROUP LICENSED BUSINESS PROFESSIONAL LAND SURVEYOR PERMANENT REFERENCE MONUMENT FOUND CONCRETE MONUMENT REBAR/CAP PLAT BOOK OFFICIAL RECORDS BOOK PAGE EASEMENT RIGHT-OF-WAY NOT TO SCALE EDGE OF PAVEMENT TOP OF BANK CORRUGATED METAL PIPE RADIUS CENTRAL ANGLE LENGTH CHORD BEARING CHORD NOT RADIAL TYPICAL DISTANCE PER PLAT DISTANCE PER SURVEY FENCE(SIZE/TYPE AS NOTED) UTILITY POLE/GUY WIRE OVERHEAD UTILITY LINE(S) WETLAND FLAG/NUMBER LINE TABLE NUMBER WETLAND AREA	SEBASTIAN PROJECT SITE PROJECT SITE GARDEN CLUB PARK BARBER ST. SPORTS COMPLEX ROSELAND ROAD

Date: FEB 12, 2007 Scale : 1" = 200'Proj. No.: 347002-1

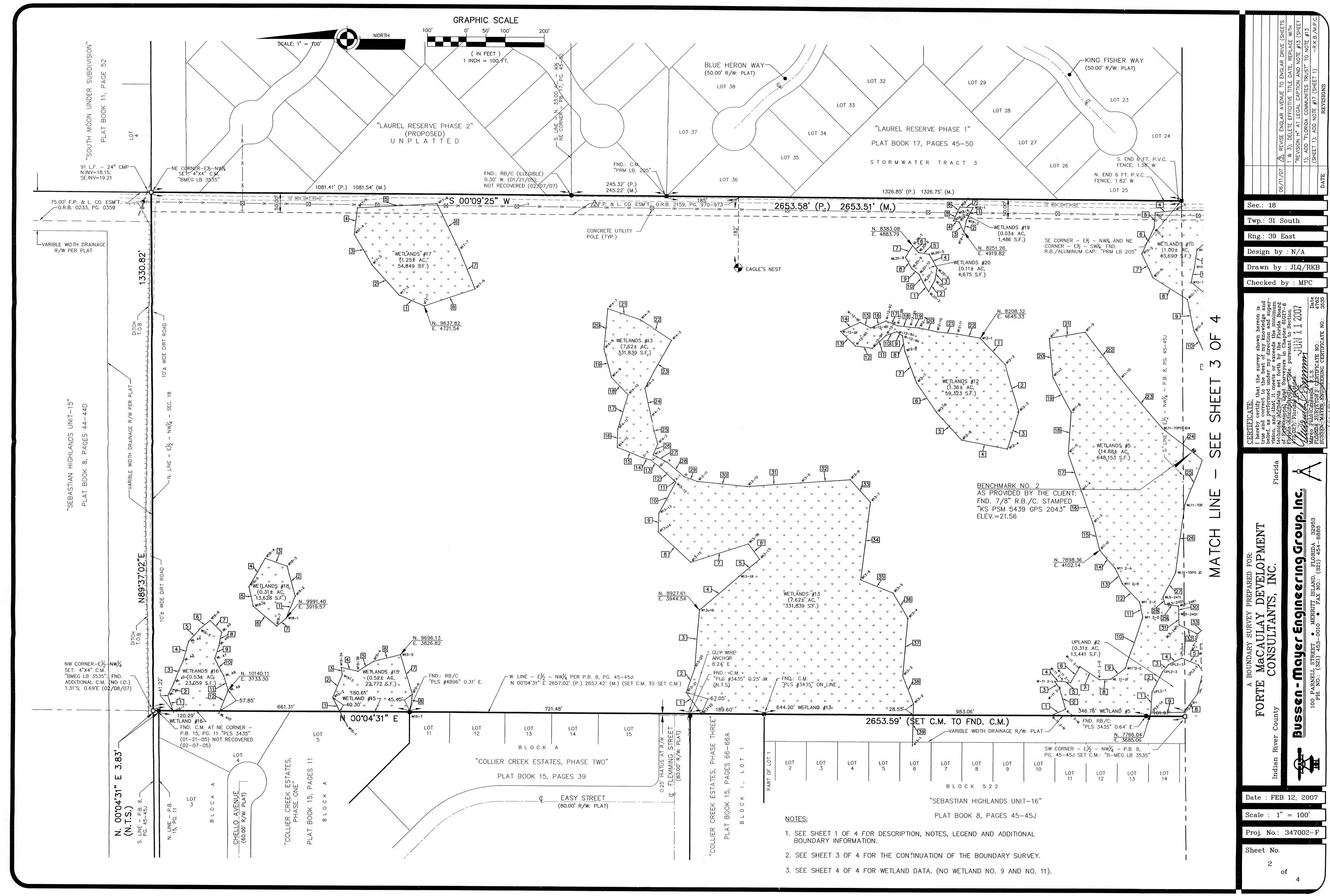
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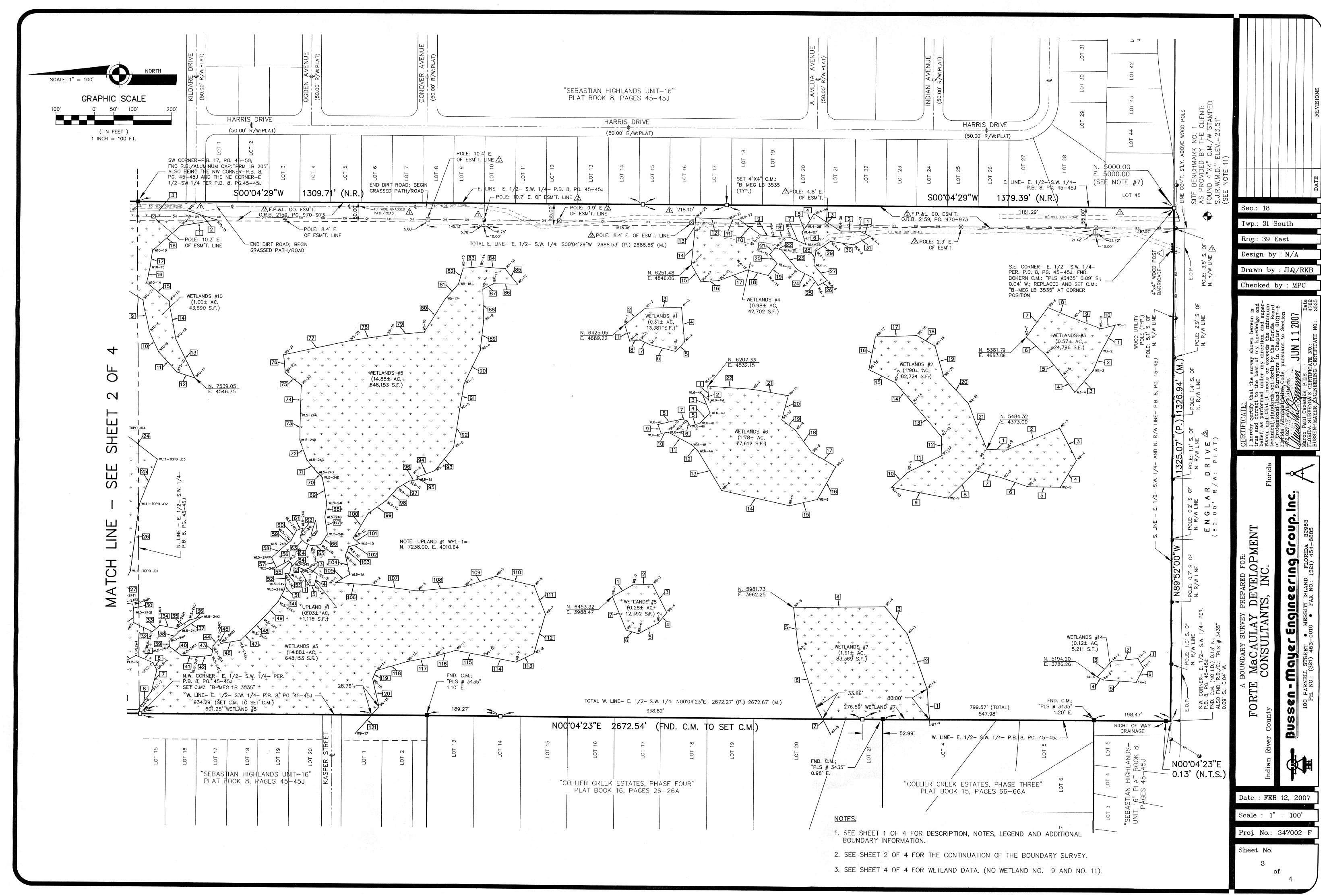
VELOP

OR'

Rng.: 39 East

Sheet No.





WETLAND-6 ELEV. TABLE

WETLAND NO. | ELEV.

22.86

22.35'

22.26'

21.95

22.41'

22.53' 21.81'

W6-1 22.44'

WL6-4L

WL6-4M

WL6-4K

WL6-4J

WL6-4I

WL6-4H

WL6-4G

WL6-4F WL6-4E

WL6-4D WL6-4C

WL6-4B

WL6-4A W6-4

W6-5

W6-6 W6-7

W6-8

W6-9

W6-11

WETLAND NO. ELEV.

W7-2 W7-3

W7-4

W7-5

W7-6 W7-7

W7-1 20.27'

W7-7 21.62' W7-8 21.02'

WETLAND-8 ELEV. TABLE WETLAND NO. ELEV.
W8-1 21.98'

W8-4 21.58' W8-5 21.55' W8-6 21.56' W8-7 21.70'

WETLAND-10 ELEV. TABLE WETLAND NO. ELEV.

W10-8 22.23'

W-12-9A 21.93'

W12-9 22.07' W12-10 21.84' W12-11 21.83'

21.46'

22.03' 22.07'

21.22'

22.05'

22.24'

22.16'

W10-1

W10-2

W10-3

W10-4

W10-5

W10-6

W10-7

W8-2 W8-3

20.90'

20.40'

20.81'

21.37

21.19'

21.43'

21.73'

2 SS920947E 68.00 3 SS920447E 98.41 4 SS92137W 90.87 5 NAY03137W 90.87 6 NAY03137W 90.87 7 NAY03137E 70.47 7 NAY03137E 28.61 8 N0652414TW 26.40 8 N0652414TW 26.40 8 N0652414TW 26.40 WETLAND-2 LINE TABLE LINE BEARNO LENGTH 1 SOT 96.31 W 92.02 2 SS223207E 196.52 3 SS821957W 94.02 4 NS90917FW 80.96 NO039324E 84.39 6 N182516FE 67.24 7 N1435644FE 74.79 8 N445017FW 99.72 9 N102002FE 150.15 10 S422235FE 98.03 11 SS22935FE 98.03 11 SS22935FE 98.03 12 N874506FE 49.69 13 N845554FE 115.27 14 N493737FE 68.26 13 N874506FE 49.69 13 N845554FE 115.27 14 N89353FE 10.19 15 SS2105FE 85.33 17 SS02113FE 76.19 16 S782506FE 85.33 17 SS02113FE 76.19 16 S782506FE 85.33 17 SS021213FE 10.19 18 SS2135FW 1.20 20 S42313FE 10.19 20 S42313FE 20.19 21 S874352FW 1.26.75 21 S874328W 1.26.75 21 S874328W 1.26.75 21 S874328W 1.26.75 21 S874328W 1.26.75 21 S874332W 1.26.75 21 S874328W 1.26.75 22 S874158FW 1.26.75 22 S874168FW 1.26.75 22 S874168FW 1.26.75 23 S874168FW 1.26.75 24 S874138FW 1.26.75 25 S874188FW 1.26.75 26 S874188FW 1.26.75 27 S874134FW 1.26.75 28 S874188FW 1.26.75 29 S874188FW 1.26.75 20 S874188FW 1.26.75 21 S8741848W 1.26.75 21 S8741848W 1.26.75 22 S874188FW 1.26.75 22 S874188FW 1.26.75 23 S874188FW 1.26.75 24 S874188FW 1.26.75 25 S874188FW 1.26.75 26 S874188FW 1.26.75 27 S8741848W 1.26.75 28 S8	LINE	WETLAND−1 LINE TAB BEARING	LE LENGTH	WETLAND-1 ELI WETLAND NO.	EV. TABL ELEV.
WETLAND-2 LINE TABLE WETLAND-2 LIEV, TABLE LINE TABLE LI					22.60'
4 S650213*W 90.87 5 NAT70315*V 93.26 6 N133729*E 70.47 7 N3524*33*E 28.61 7 N3524*33*E 28.61 8 N06*24*41*W 26.40 8 N06*24*41*W 26.40 8 N06*24*41*W 26.40 1 S01*85*31*W 26.83 2 S22*32*07*E 149.52 2 S22*32*07*E 149.52 3 S62*19*57*W 94.02 4 N59*09*17*W 80.96 5 N00*39*24*E 84.39 6 N16*20*16*E 67.24 7 N14*36*44*E 74.79 9 N10*20*2*E 150.15 10 S42*23*5*E 40.93 11 S62*23*5*E 40.93 12 S62*23*5*E 40.93 13 N48*35*45*E 40.93 14 N48*35*45*E 40.93 15 S72*50*6*E 85.93 17 S90*12*15*E 76.19 18 S28*16*E 10.71 19 S72*35*6*E 10.71 19 S72*35*6*E 10.71 10 S72*35*6*E 10.71 11 N61*23*6*W 76.81 12 S62*23*5*E 10.71 13 N48*35*45*E 10.71 14 N48*35*45*E 10.71 15 S72*50*6*E 10.71 16 S72*50*6*E 10.71 17 S90*12*19*E 107.19 17 S90*12*19*E 107.19 18 S72*35*6*W 82.13 19 S72*250*E 107.19 10 S72*250*E 107.19 11 N61*23*6*W 82.13 12 S67*33*6*W 76.81 13 N48*35*35*W 95.09 21 S67*33*25*W 78.81 20 S47*4155*W 96.09 21 S67*43*25*W 77.25 3 N49*4149*W 73.25 4 N52*313*2*E 64.63 8 N52*03*5*W 77.83 9 S20*38*53*W 77.83 9 S20*38*53*W 77.83 10 S14*38*43*E 28.86 11 N41*275*E 28.65 11 N41*275*E 28.65 12 N00*44*38*E 50.95 13 N88*64*4*W 37.97 14 N88*30*16*E 30.95 17 S90*12*19*E 28.86 10 N44*35*E 30.96 11 N41*275*E 76.59 12 N00*23*5*B 76.81 13 N88*64*4*W 37.97 14 N88*30*16*E 30.96 15 S60*12*35*W 50.67 16 S60*12*35*W 50.67 17 S0*2335*G*E 50.67 18 N02335*G*E 50.67 19 S53*22*35*E 50.67 10 S43*35*G*E 50.96 11 N41*275*G*E 50.96 12 S49*43*4*E 22.88 13 N44*416 23.3 14 N44*35*G*E 50.96 15 S60*12*35*W 50.67				<u> </u>	
METLAND-2 LINE TABLE LINE BEARING LENGTH LINE BEARING LENGTH W2-7 21.67	4	S85°02'13"W	90.87		22.61
WETLAND-2 LINE TABLE					
WETLAND-2 LINE TABLE	7	N25°24'33"E			22.44
NETLAND NO. ELEV.	8	N06*24'41 "W	26.40	W1-8	22.36
LINE					
LINE					
1					
3 SS2*19*57*W 94.02	1	S01°56'31"W	52.83	W2-1	21.91
H					
B	4	N59°09'17"W	80.96	W2-4	21.78'
WETLAND					21.68'
9 N1020'02"E 150.15 10 S42'29'35"E 57.75 11 S26'29'35"E 98.03 11 S26'29'35"E 98.03 11 S26'29'35"E 98.03 11 S26'29'35"E 98.03 112 N87'45'06"E 49.09 113 N49'55'54"E 115.27 114 N49'37'37"E 68.26 115 N25'20'31"E 76.19 116 S76'35'06"E 85.93 117 S02'12'19"E 107.19 118 S29'16'41"W 54.16 119 S73'25'04"W 82.13 110 S12'25'04"W 82.13 120 S47'41'55"W 95.09 121 S67'43'29"W 126.75 121 N61'28'39"W 76.81 122 N67'32'13"W 76.81 123 N49'41'9"W 73.25 124 N52'31'39"E 53.55 125 N30'49'39"B 54.35 127 N52'31'39"E 53.55 128 N3-3 22.74 118 S22'05'38"W 71.83 129 S20'36'53"W 77.25 130 N32'40'57"E 80.93 140 S14'56'43"E 36.46 150 N3-3 N32'40'57"E 80.63 160 N34'51'35"E 70.38 170 N34'51'35"E 70.38 110 N34'51'35"E 70.38 111 N012'15'46"E 40.07 111 N012'15'4" 36.42 112 N012'15'46"E 40.07 113 N86'46'4"W 37.99 114 N05'23'46"E 40.07 115 N05'45'45'E 70.38 116 N05'45'45'E 70.38 117 N05'45'45'E 70.38 118 N0215'46"E 40.07 119 N34'57'36"E 70.38 110 N34'57'36"E 70.38 111 N012'7'51"E 27.88 112 N012'7'46"E 83.00 113 N86'46'4"W 37.99 114 N08'30'67"E 83.89 115 S60'13'5"E 70.38 116 N05'67'E 83.89 117 N05'67'E 83.89 118 N0215'46"E 83.00 119 N06'60'7'E 34.99 110 N34'57'36"E 70.38 111 N012'7'51"E 27.88 112 N012'7'46"E 83.00 113 N86'46'4"W 37.97 114 N08'30'67"E 83.89 115 S60'13'5"E 70.38 115 S60'13'5"E 70.38 116 N012'7'51"E 27.88 117 N012'7'51"E 27.88 118 N04'4-10 233 119 N05'60'7E 34.99 110 N34'57'36"E 70.38 111 N012'7'51"E 27.88 112 N012'7'61"E 27.88 113 N86'46'4"W 37.97 114 N08'30'67"E 83.89 115 S60'13'5"E 70.38 115 N86'46'4"W 37.97 116 N012'7'51"E 27.88 117 N012'7'51"E 27.88 118 N04'4-10 233 119 N04'46'44'W 37.97 110 N04'46'44'W 37.99 110 N0	7		74.79	W2-7	22.13'
10	<u> </u>				21.65'
11					
Table Tabl	11	S26*29'55"E	98.03	W2-11	22.17'
WETLAND-3 LINE TABLE WETLAND-3 ELEV. TABLE UNE BEARING LENGTH 1					21.80°
15					21.73 21.72'
WETLAND-3 LINE TABLE LINE BEARING LENGTH 1 N61'28'39'W 76.81 W3-13 22.93' W3-21 21.86' W3-13 22.93' W3-21 21.86' W3-13 22.93' W3-21 21.86' W3-13 22.93' W3-21 21.86' W3-12 21.86' W3-13 22.93' W3-21 21.86' W3-12 22.93' W3-3 22.93' W3-3 22.74' W3-13 22.93' W3-3 22.74' W3-13 22.93' W3-6 23.01' W3-13 W3-13 W3-13 23.01' W3-13 W	15	N25'20'13"E	76.19	W2-15	21.46
WETLAND-3 LINE TABLE LINE BEARING LENGTH LINE BEARING S. 1.3 W3-2 22.59 W3-2 22.59 W3-2 22.59 W3-2 22.59 W3-2 22.59 W3-2 22.74 W3-1 22.30 W3-2 22.74 W3-1 22.30 W3-2 22.74 W3-1 22.30 W3-2 22.75 W3-5 22.74 W3-1 22.30 W3-2 22.74 W3-1 22.30 W3-2 22.75 W3-5 22.76 W3-5 22.77 W3-8 23.63 W3-7 23.63 W3-7 23.63 W3-7 23.63 W3-8 22.77 W3-9 23.02 W3-10 22.74 W3-10 23.75 W3-9 23.02 W3-10 22.74 W3-10 23.75 W3-10 W3-10 W3-10 W3-					21.93' 22.21'
WETLAND - 3 LINE TABLE	18	S29"16'41"W	54.16	W2-18	22.10
WETLAND - 3 LINE TABLE					21.80'
WETLAND-3 LINE TABLE					21.98 21.78
LINE BEARING LENCTH 1 N61728'39"W 76.81 76.81 22.93" 76.81 22.93" 76.81 22.93" 76.81 22.93" 76.81 22.93" 76.81 22.93" 76.81 22.93" 76.81 22.93" 22.59" 33 N49'41'49"W 73.25 W3-2 22.59" 75.55 75.75 75.55 75.75 75.55 75.75 75.55 77.2		·		· · · · · · · · · · · · · · · · · · ·	
LINE BEARING LENGTH 1 N25°55'17"E 29.45 2 N00°44'38"E 50.89 3 N32°40'57"E 80.63 4 N58°31'42"W 38.42 5 N54°56'33"W 17.79 6 S73°22'06"W 33.40 7 N23°35'54"E 46.13 8 N02°15'46"E 40.07 9 N06°16'07"E 34.96 11 N01°27'51"E 27.88 11 N01°27'51"E 27.88 11 N01°27'51"E 27.88 11 N01°27'46"E 83.00 11 N86°46'44"W 37.97 14 N84°30'16"W 83.88 15 S60°18'35"W 50.67 16 S04°24'26"E 46.49 17 S20°36'25"E 78.45 18 S14°12'08"W 55.51 19 S53°22'13"E 38.46 20 N49°48'21"E 30.17 21 S49°48'34"E 22.88 22 S19°12'01"W 17.38 23 WL4-21 24 S26°52'58"W 44.62 25 S54°11'53"W 25.00 26 S28°09'17"E 26.49 27 N48°54'29"E 52.90 28 S82°03'29"E 36.85 WL4-29 22 20 S08°10'15"W 60.12 WL4-29 22 21 S49°45'39"E 22.88 WL4-21 22 S19°12'01"W 17.38 WL4-22 23 S50°54'26"W 64.58 WL4-24 24 S26°52'58"W 44.62 WL4-26 23 S82°03'29"E 36.85 WL4-29 22 WL4-26 WL4-27 WL4-26 WL4-27 WL4-26 WL4-27 WL4-26 WL4-27 WL4-26 WL4-27 WL4-26 WL4-27 WL4-27 WL4-27 WL4-27 WL4-28 WL4-27 WL4-28 WL4-29	LINE 1 2 3	BEARING N61"28'39"W N67"32'18"W N49"41'49"W	LENGTH 76.81 54.35 73.25	WETLAND NO. W3-1 W3-2 W3-3	ELEV. 22.93' 22.59' 22.74'
5 N54'56'33"W 17.79 WL4-5 23. 6 S73'22'06"W 33.40 WL4-6 23. 7 N23'35'54"E 46.13 WL4-7 23. 8 N02"15'46"E 40.07 WL4-8 23. 9 N06"16'07"E 34.96 WL4-9 23. 10 N34'57'36"E 70.38 WL4-10 23. 11 N01"27'46"E 83.00 WL4-11 22. 12 N01"27'46"E 83.00 WL4-12 23. 13 N86'46'4"W 37.97 WL4-13 23. 14 N84'30'16"W 83.88 WL4-14 23. 15 S60"18'35"W 50.67 WL4-15 23. 16 S04"24'26"E 46.49 WL4-16 23. 17 S20"36'25"E 78.45 WL4-17 23. 18 S14"12'08"W 55.51 WL4-18 23. 20 N49"48'21"E 30.17 WL4-20 23.	LINE 1 2 3 4 5 6 7 8 9	BEARING N61"28'39"W N67"32'18"W N49"41'49"W N52"31'39"E N50"49'58"E N41"51'25"E S54"15'25"E S22"09'38"W S20"36'53"W	LENGTH 76.81 54.35 73.25 53.55 69.45 67.13 94.63 71.83 77.25	WETLAND NO. W3-1 W3-2 W3-3 W3-4 W3-5 W3-6 W3-7 W3-8 W3-9	22.93' 22.59' 22.74' 22.88' 22.79' 23.01' 23.63' 22.77' 23.02'
6 \$73°22'06"W 33.40 7 \$N23°35'54"E 46.13 8 \$N02"15'46"E 40.07 9 \$N06"16'07"E 34.96 10 \$N34'57'36"E 70.38 11 \$N01°27'51"E 27.88 12 \$N01°27'46"E 83.00 13 \$N86'46'44"W 37.97 14 \$N84'30'16"W 83.88 15 \$S60"18'35"W 50.67 16 \$S04'24'26"E 46.49 17 \$\$S20°36'25"E 78.45 19 \$	LINE 1 2 3 4 5 6 7 8 9 10	BEARING N61"28'39"W N67"32'18"W N49"41'49"W N52"31'39"E N50"49'58"E N41"51'25"E S54"15'25"E S22"09'38"W S20"36'53"W S14"56'43"E WETLAND-4 LINE TAE BEARING N25"55'17"E N00"44'38"E	LENGTH 76.81 54.35 73.25 53.55 69.45 67.13 94.63 71.83 77.25 38.46 BLE LENGTH 29.45 50.89	WETLAND NO. W3-1 W3-2 W3-3 W3-4 W3-5 W3-6 W3-7 W3-8 W3-9 W3-10 WETLAND-4 E WETLAND NO. WL4-1 WL4-2	ELEV. 22.93' 22.59' 22.74' 22.88' 22.79' 23.63' 22.77' 23.02' 22.74' LEV. TAE ELE 23.4 23.6 23.6
7 N23'35'54"E 46.13 WL4-7 23. 8 N02'15'46"E 40.07 WL4-8 23. 9 N06'16'07"E 34.96 WL4-9 23. 10 N34'57'36"E 70.38 WL4-10 23. 11 N01'27'51"E 27.88 WL4-11 22. 12 N01'27'46"E 83.00 WL4-12 23. 13 N86'46'44"W 37.97 WL4-13 23. 14 N84'30'16"W 83.88 WL4-14 23. 15 S60'18'35"W 50.67 WL4-15 23. 16 S04'24'26"E 46.49 WL4-16 23. 17 S20'36'25"E 78.45 WL4-17 23. 18 S14'12'08"W 55.51 WL4-18 23. 19 S53'22'13"E 38.46 WL4-19 23. 20 N49'48'21"E 30.17 WL4-20 23. 21 S49'48'34"E 22.88 WL4-21 22.	LINE 1 2 3 4 5 6 7 8 9 10 LINE 1 2 3 4	BEARING N61"28'39"W N67"32'18"W N49"41'49"W N52"31'39"E N50"49'58"E N41"51'25"E S54"15'25"E S22"09'38"W S20"36'53"W S14"56'43"E WETLAND-4 LINE TAE BEARING N25"55'17"E N00"44'38"E N32"40'57"E N58"31'42"W	LENGTH 76.81 54.35 73.25 53.55 69.45 67.13 94.63 71.83 77.25 38.46 BLE LENGTH 29.45 50.89 80.63 38.42	WETLAND NO. W3-1 W3-2 W3-3 W3-4 W3-5 W3-6 W3-7 W3-8 W3-9 W3-10 WETLAND NO. WL4-1 WL4-2 WL4-3 WL4-4	ELEV. 22.93' 22.59' 22.74' 22.88' 22.77' 23.02' 22.74' LEV. TAI ELE 23. 23. 22. 22. 22.
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11 N01'27'51"E 27.88 12 N01'27'46"E 83.00 13 N86'46'44"W 37.97 14 N84'30'16"W 83.88 15 S60'18'35"W 50.67 16 S04"24'26"E 46.49 17 S20'36'25"E 78.45 18 S14'12'08"W 55.51 19 S53"22'13"E 38.46 20 N49"48'21"E 30.17 21 S49"48'34"E 22.88 22 S19"12'01"W 17.38 22 S19"12'01"W 17.38 24 S26"52'58"W 44.62 24 S26"52'58"W 44.62 24 S26"52'58"W 44.62 25 S54"11'53"W 25.00 26 S28"09'17"E 26.49 27 N48"54'29"E 52.90 28 S82"03'29"E 36.85 29 S33"50'36"E 45.45 30 S08"10'15"W 60.12	LINE 1 2 3 4 5 6 7 8 9 10	BEARING N61"28'39"W N67"32'18"W N49"41'49"W N52"31'39"E N50"49'58"E N41"51'25"E S54"15'25"E S22"09'38"W S20"36'53"W S14"56'43"E WETLAND-4 LINE TAE BEARING N25"55'17"E N00"44'38"E N32"40'57"E N58"31'42"W N54"56'33"W S73"22'06"W N23"35'54"E N02"15'46"E	LENGTH 76.81 54.35 73.25 53.55 69.45 67.13 94.63 71.83 77.25 38.46 BLE LENGTH 29.45 50.89 80.63 38.42 17.79 33.40 46.13 40.07	WETLAND NO. W3-1 W3-2 W3-3 W3-4 W3-5 W3-6 W3-7 W3-8 W3-9 W3-10 WETLAND NO. WL4-1 WL4-2 WL4-1 WL4-2 WL4-3 WL4-4 WL4-5 WL4-6 WL4-7 WL4-8	ELEV. 22.93' 22.74' 22.88' 22.79' 23.63' 22.77' 23.02' 22.74' ELEV. TAI ELE 23. 23. 23. 23. 23. 23. 23. 23.
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14 N84'30'16"W 83.88 15 S60'18'35"W 50.67 16 S04"24'26"E 46.49 17 \$20'36'25"E 78.45 18 \$14'12'08"W 55.51 19 \$53"22'13"E 38.46 20 \$14'8'34"E 22.88 21 \$49'48'34"E 22.88 22 \$19'12'01"W 17.38 23 \$50'54'26"W 64.58 24 \$26'52'58"W 44.62 24 \$26'52'58"W 44.62 25 \$54'11'53"W 25.00 26 \$28'09'17"E 26.49 27 \$148'54'29"E 52.90 28 \$82'03'29"E 36.85 29 \$33'50'36"E 45.45 30 \$08'10'15"W 60.12	LINE 1 2 3 4 5 6 7 8 9 10 LINE 1 2 3 4 5 6 7 8 9 10 11	BEARING N61"28'39"W N67"32'18"W N49"41'49"W N52"31'39"E N50"49'58"E N41"51'25"E S54"15'25"E S22"09'38"W S20"36'53"W S14"56'43"E WETLAND-4 LINE TAE BEARING N25"55'17"E N00"44'38"E N32"40'57"E N58"31'42"W N54"56'33"W S73"22'06"W N23"35'54"E N02"15'46"E N06"16'07"E N34"57'36"E N01"27'51"E	LENGTH 76.81 54.35 73.25 53.55 69.45 67.13 94.63 71.83 77.25 38.46 SLE LENGTH 29.45 50.89 80.63 38.42 17.79 33.40 46.13 40.07 34.96 70.38 27.88	WETLAND NO. W3-1 W3-2 W3-3 W3-4 W3-5 W3-6 W3-7 W3-8 W3-9 W3-10 W4-1 WL4-1 WL4-2 WL4-3 WL4-4 WL4-5 WL4-6 WL4-7 WL4-8 WL4-9 WL4-10 WL4-11	ELEV. 22.93' 22.74' 22.88' 22.79' 23.01' 23.63' 22.77' 23.02' 22.74' 23.02' 22.74' 23.02' 23.
15 \$60^*8'35"W 50.67 16 \$94"24'26"E 46.49 17 \$20"36'25"E 78.45 18 \$14"12'08"W 55.51 19 \$53"22'13"E 38.46 20 \$149"48'21"E 30.17 21 \$49"48'34"E 22.88 22 \$19"12'01"W 17.38 23 \$50"54'26"W 64.58 24 \$26"52'58"W 44.62 25 \$54"11'53"W 25.00 26 \$28"09"17"E 26.49 27 \$148"54'29"E 52.90 28 \$82"03'29"E 36.85 29 \$33"50'36"E 45.45 30 \$08"10'15"W 60.12	LINE 1 2 3 4 5 6 7 8 9 10 LINE 1 2 3 4 5 6 7 8 9 10 11 12	BEARING N61"28'39"W N67"32'18"W N49"41'49"W N52"31'39"E N50"49'58"E N41"51'25"E S54"15'25"E S22"09'38"W S20"36'53"W S14"56'43"E WETLAND-4 LINE TAE BEARING N25"55'17"E N00"44'38"E N32"40'57"E N58"31'42"W N54"56'33"W S73"22'06"W N23"35'54"E N02"15'46"E N06"16'07"E N34"57'36"E N01"27'46"E	LENGTH 76.81 54.35 73.25 53.55 69.45 67.13 94.63 71.83 77.25 38.46 SLE LENGTH 29.45 50.89 80.63 38.42 17.79 33.40 46.13 40.07 34.96 70.38 27.88 83.00	WETLAND NO. W3-1 W3-2 W3-3 W3-4 W3-5 W3-6 W3-7 W3-8 W3-9 W3-10 W4-1 WL4-1 WL4-2 WL4-3 WL4-4 WL4-5 WL4-6 WL4-7 WL4-8 WL4-9 WL4-10 WL4-11 WL4-12	ELEV. 22.93' 22.59' 22.74' 22.88' 22.79' 23.01' 23.63' 22.77' 23.02' 22.74' 22.74' 22.74' 23.02' 22.74' 23.02' 23.
17 \$20°36°25°E 78.45 18 \$14°12′08″W 55.51 19 \$53°22′13″E 38.46 20 \$14°12′01″E 30.17 21 \$49°48′34″E 22.88 22 \$19°12′01″W 17.38 23 \$50°54′26″W 64.58 24 \$26°52′58″W 44.62 25 \$54°11′53″W 25.00 26 \$28°09′17″E 26.49 27 \$148°54′29″E 52.90 28 \$82°03′29″E 36.85 29 \$33°50′36″E 45.45 30 \$08°10′15″W 60.12 WL4-29 22 WL4-30 22	LINE 1 2 3 4 5 6 7 8 9 10 LINE 1 2 3 4 5 6 7 8 9 10 11 12 13	BEARING N61"28'39"W N67"32'18"W N49"41'49"W N52"31'39"E N50"49'58"E N41"51'25"E S22"09'38"W S20"36'53"W S14"56'43"E N54"555'17"E N00"44'38"E N32"40'57"E N58"31'42"W N54"56'33"W S73"22'06"W N23"35'54"E N02"15'46"E N06"16'07"E N34"57'36"E N01"27'46"E N01"27'46"E N86"46'44"W	LENGTH 76.81 54.35 73.25 53.55 69.45 67.13 94.63 71.83 77.25 38.46 BLE LENGTH 29.45 50.89 80.63 38.42 17.79 33.40 46.13 40.07 34.96 70.38 27.88 83.00 37.97	WETLAND NO. W3-1 W3-2 W3-3 W3-4 W3-5 W3-6 W3-7 W3-8 W3-9 W3-10 WETLAND NO. WL4-1 WL4-2 WL4-1 WL4-2 WL4-5 WL4-6 WL4-7 WL4-8 WL4-9 WL4-10 WL4-11 WL4-12 WL4-13	ELEV. 22.93' 22.59' 22.74' 22.88' 22.77' 23.02' 22.74' LEV. TAI ELE 23. 23. 22. 22. 23. 23. 23. 23.
18 S14*12'08**W 55.51 WL4-18 23. 19 S53*22'13*E 38.46 WL4-19 23. 20 N49*48'21*E 30.17 WL4-20 23. 21 S49*48'34*E 22.88 WL4-21 22. 22 S19*12'01*W 17.38 WL4-21 22. 23 S50*54'26*W 64.58 WL4-22 22. 24 S26*52'58*W 44.62 WL4-23 22. 25 S54*11'53*W 25.00 WL4-24 24. 25 S28*09'17*E 26.49 WL4-25 23. 26 S28*09'17*E 52.90 WL4-26 23. 27 N48*54'29*E 52.90 WL4-27 23. 28 S82*03'29*E 36.85 WL4-28 23. 29 S33*50'36*E 45.45 WL4-29 22. 30 S08*10'15*W 60.12 WL4-30 22.	LINE 1 2 3 4 5 6 7 8 9 10 LINE 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	BEARING N61"28'39"W N67"32'18"W N49"41'49"W N52"31'39"E N50"49'58"E N41"51'25"E S54"15'25"E S22"09'38"W S20"36'53"W S14"56'43"E WETLAND-4 LINE TAE BEARING N25"55'17"E N00"44'38"E N32"40'57"E N58"31'42"W N54"56'33"W S73"22'06"W N23"35'54"E N02"15'46"E N06"16'07"E N34"57'36"E N01"27'46"E N86"46'44"W N84"30'16"W S60"18'35"W	BLE LENGTH 76.81 54.35 73.25 53.55 69.45 67.13 94.63 71.83 77.25 38.46 BLE LENGTH 29.45 50.89 80.63 38.42 17.79 33.40 46.13 40.07 34.96 70.38 27.88 83.00 37.97 83.88 50.67	WETLAND NO. W3-1 W3-2 W3-3 W3-4 W3-5 W3-6 W3-7 W3-8 W3-9 W3-10 WETLAND NO. WL4-1 WL4-2 WL4-3 WL4-4 WL4-5 WL4-6 WL4-7 WL4-8 WL4-9 WL4-10 WL4-11 WL4-12 WL4-13 WL4-14 WL4-15	ELEV. 22.93' 22.74' 22.88' 22.79' 23.01' 23.63' 22.77' 23.02' 22.74' ELEV. TAI ELE 23. 23. 23. 23. 23. 23. 23. 23. 23. 23.
19 \$53.22'13"E 38.46 20 \$1.49'48'21"E 30.17 21 \$49'48'34"E 22.88 22 \$19"12'01"W 17.38 23 \$50'54'26"W 64.58 24 \$26'52'58"W 44.62 25 \$54"11'53"W 25.00 26 \$28'09'17"E 26.49 27 \$148'54'29"E 52.90 28 \$82'03'29"E 36.85 29 \$33'50'36"E 45.45 30 \$08'10'15"W 60.12	LINE 1 2 3 4 5 6 7 8 9 10 LINE 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	BEARING N61"28'39"W N67"32'18"W N49"41'49"W N52"31'39"E N50"49'58"E N41"51'25"E S54"15'25"E S22"09'38"W S20"36'53"W S14"56'43"E WETLAND-4 LINE TAE BEARING N25"55'17"E N00"44'38"E N32"40'57"E N58"31'42"W N54"56'33"W S73"22'06"W N23"35'54"E N02"15'46"E N06"16'07"E N34"57'36"E N01"27'46"E N01"27'46"E N86"46'44"W N86"31'16"W S60"18'35"W S04"24'26"E	BLE LENGTH 76.81 54.35 73.25 53.55 69.45 67.13 94.63 71.83 77.25 38.46 BLE LENGTH 29.45 50.89 80.63 38.42 17.79 33.40 46.13 40.07 34.96 70.38 27.88 83.00 37.97 83.88 50.67 46.49	WETLAND NO. W3-1 W3-2 W3-3 W3-4 W3-5 W3-6 W3-7 W3-8 W3-9 W3-10 WL4-1 WL4-2 WL4-3 WL4-4 WL4-5 WL4-6 WL4-7 WL4-8 WL4-9 WL4-10 WL4-11 WL4-12 WL4-13 WL4-14 WL4-15 WL4-16	ELEV. 22.93' 22.74' 22.88' 22.79' 23.01' 23.63' 22.77' 23.02' 22.74' 23.02' 22.74' 23.02' 23.
21 \$49*48'34"E 22.88 22 \$19*12'01"W 17.38 23 \$50*54'26"W 64.58 24 \$26*52'58"W 44.62 25 \$54*11'53"W 25.00 26 \$28*09'17"E 26.49 27 \$148*54'29"E 52.90 28 \$82*03'29"E 36.85 29 \$33*50'36"E 45.45 30 \$08*10'15"W 60.12	LINE 1 2 3 4 5 6 7 8 9 10 LINE 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	BEARING N61"28'39"W N67"32'18"W N49"41'49"W N52"31'39"E N50"49'58"E N41"51'25"E S54"15'25"E S22"09'38"W S20"36'53"W S14"56'43"E WETLAND-4 LINE TAE BEARING N25"55'17"E N00"44'38"E N32"40'57"E N58"31'42"W N54"56'33"W S73"22'06"W N23"35'54"E N02"15'46"E N06"16'07"E N34"57'36"E N01"27'46"E N06"46'44"W N84"30"16"W S60"18"35"W S60"18"35"E	BLE LENGTH 76.81 54.35 73.25 53.55 69.45 67.13 94.63 71.83 77.25 38.46 BLE LENGTH 29.45 50.89 80.63 38.42 17.79 33.40 46.13 40.07 34.96 70.38 27.88 83.00 37.97 83.88 50.67 46.49 78.45	WETLAND NO. W3-1 W3-2 W3-3 W3-4 W3-5 W3-6 W3-7 W3-8 W3-9 W3-10 WL4-1 WL4-2 WL4-3 WL4-4 WL4-5 WL4-6 WL4-7 WL4-8 WL4-9 WL4-10 WL4-11 WL4-12 WL4-13 WL4-15 WL4-15 WL4-16 WL4-17	ELEV. 22.93' 22.59' 22.74' 22.88' 22.79' 23.01' 23.63' 22.77' 23.02' 22.74' 23.02' 22.74' 23.02' 23.
22 S19"12'01"W 17.38 WL4-22 22. 23 S50°54'26"W 64.58 WL4-23 22. 24 S26°52'58"W 44.62 WL4-24 24. 25 S54"11'53"W 25.00 WL4-25 23. 26 S28'09'17"E 26.49 WL4-26 23. 27 N48'54'29"E 52.90 WL4-27 23. 28 S82'03'29"E 36.85 WL4-28 23. 29 S33'50'36"E 45.45 WL4-29 22. 30 S08'10'15"W 60.12 WL4-30 22.	LINE 1 2 3 4 5 6 7 8 9 10 LINE 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	BEARING N61"28'39"W N67"32'18"W N49"41'49"W N52"31'39"E N50"49'58"E N41"51'25"E S22"09'38"W S20"36'53"W S14"56'43"E WETLAND-4 LINE TAE BEARING N25"55'17"E N00"44'38"E N32"40"57"E N58"31'42"W N54"56'33"W S73"22'06"W N23"35'54"E N02"15'46"E N06"16'07"E N34"57'36"E N01"27'46"E N01"27'46"E N86"46'44"W N84"30'16"W S60"18'35"W S04"24'26"E S20"36'25"E S14"12'08"W S53"22'13"E	LENGTH 76.81 54.35 73.25 53.55 69.45 67.13 94.63 71.83 77.25 38.46 SLE LENGTH 29.45 50.89 80.63 38.42 17.79 33.40 46.13 40.07 34.96 70.38 27.88 83.00 37.97 83.88 50.67 46.49 78.45 55.51 38.46	WETLAND NO. W3-1 W3-2 W3-3 W3-4 W3-5 W3-6 W3-7 W3-8 W3-9 W3-10 W4-1 WL4-1 WL4-2 WL4-3 WL4-4 WL4-5 WL4-6 WL4-7 WL4-8 WL4-9 WL4-10 WL4-11 WL4-12 WL4-13 WL4-14 WL4-15 WL4-16 WL4-17 WL4-18 WL4-18 WL4-19	ELEV. 22.93' 22.74' 22.88' 22.79' 23.01' 23.63' 22.77' 23.02' 22.74' LEV. TAI ELE 23. 23. 23. 23. 23. 23. 23. 23. 23. 23.
23 \$50.54.26.W 64.58 \$\$WL4-23\$ 22. 24 \$26.52.58.W 44.62 \$\$WL4-24\$ 24. 25 \$54.11.53.W 25.00 \$\$WL4-25\$ 23. 26 \$28.09.17.E 26.49 \$\$WL4-26\$ 23. 27 \$\$N48.54.29.E 52.90 \$\$WL4-27\$ 23. 28 \$\$82.03.29.E 36.85 \$\$WL4-28\$ 23. 29 \$\$33.50.36.E 45.45 \$\$WL4-29\$ 22. 30 \$\$08.10.15.W 60.12 \$\$WL4-30\$ 22.	LINE 1 2 3 4 5 6 7 8 9 10 LINE 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	BEARING N61"28'39"W N67"32'18"W N49"41'49"W N52"31'39"E N50"49'58"E N41"51'25"E S54"15'25"E S22"09'38"W S20"36'53"W S14"56'43"E WETLAND-4 LINE TAE BEARING N25"55'17"E N00"44'38"E N32"40"57"E N58"31'42"W N54"56'33"W S73"22'06"W N23"35'54"E N02"15'46"E N06"16'07"E N34"57'36"E N01"27'46"E N01"27'46"E N86"46'44"W N84"30"16"W S60"18'35"W S60"18'35"W S04"24'26"E S20"36'25"E S14"12'08"W S53"22'13"E N49"48'21"E	LENGTH 76.81 54.35 73.25 53.55 69.45 67.13 94.63 71.83 77.25 38.46 SLE LENGTH 29.45 50.89 80.63 38.42 17.79 33.40 46.13 40.07 34.96 70.38 27.88 83.00 37.97 83.88 50.67 46.49 78.45 55.51 38.46 30.17	WETLAND NO. W3-1 W3-2 W3-3 W3-4 W3-5 W3-6 W3-7 W3-8 W3-9 W3-10 WETLAND NO. WL4-1 WL4-2 WL4-3 WL4-4 WL4-5 WL4-6 WL4-7 WL4-8 WL4-9 WL4-10 WL4-11 WL4-12 WL4-13 WL4-14 WL4-15 WL4-15 WL4-16 WL4-17 WL4-18 WL4-19 WL4-19	ELEV. 22.93' 22.59' 22.74' 22.88' 22.79' 23.01' 23.63' 22.77' 23.02' 22.74' 22.74' 22.74' 23.02' 22.74' 23.02' 23.
25 \$54*11'53**W 25.00 \$\text{WL4}-25\$ 23. 26 \$28*09'17*E 26.49 \$\text{WL4}-26\$ 23. 27 \$\text{N48*54'29*E}\$ 52.90 \$\text{WL4}-27\$ 23. 28 \$82*03'29*E 36.85 \$\text{WL4}-28\$ 23. 29 \$33*50'36*E 45.45 \$\text{WL4}-29\$ 22. 30 \$508*10'15**W 60.12 \$\text{WL4}-30\$ 22.	LINE 1 2 3 4 5 6 7 8 9 10 LINE 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	BEARING N61"28'39"W N67"32'18"W N49"41'49"W N52"31'39"E N50"49'58"E N41"51'25"E S54"15'25"E S22"09'38"W S20"36'53"W S14"56'43"E WETLAND-4 LINE TAE BEARING N25"55'17"E N00"44'38"E N32"40"57"E N58"31'42"W N54"56'33"W S73"22'06"W N23"35'54"E N02"15'46"E N06"16'07"E N34"57'36"E N01"27'46"E N01"27'46"E N86"46'44"W N84"30"16"W S60"18"35"W S04"24'26"E S20"36'25"E S14"12'08"W S53"22'13"E N49"48'21"E S49"48'34"E	LENGTH 76.81 54.35 73.25 53.55 69.45 67.13 94.63 71.83 77.25 38.46 BLE LENGTH 29.45 50.89 80.63 38.42 17.79 33.40 46.13 40.07 34.96 70.38 27.88 83.00 37.97 83.88 50.67 46.49 78.45 55.51 38.46 30.17 22.88	WETLAND NO. W3-1 W3-2 W3-3 W3-4 W3-5 W3-6 W3-7 W3-8 W3-9 W3-10 WETLAND NO. WL4-1 WL4-2 WL4-3 WL4-4 WL4-5 WL4-6 WL4-7 WL4-8 WL4-9 WL4-10 WL4-11 WL4-12 WL4-13 WL4-15 WL4-15 WL4-15 WL4-16 WL4-17 WL4-18 WL4-19 WL4-19 WL4-19 WL4-19 WL4-20 WL4-21	ELEV. 22.93' 22.59' 22.74' 22.88' 22.77' 23.02' 22.74' 23.63' 22.74' 23.63' 22.74' 23.63' 23. 23. 23. 23. 23. 23. 23. 23. 23. 23.
26 \$28^09'17"E \$26.49 \$WL4-26 \$23. 27 \$N48'54'29"E \$52.90 \$WL4-27 \$23. 28 \$82^03'29"E \$36.85 \$WL4-28 \$23. 29 \$33'50'36"E \$45.45 \$WL4-29 \$22. 30 \$508'10'15"W \$60.12 \$WL4-30 \$22.	LINE 1 2 3 4 5 6 7 8 9 10 LINE 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	BEARING N61"28'39"W N67"32'18"W N49"41'49"W N52"31'39"E N50"49'58"E N41"51'25"E S54"15'25"E S22"09'38"W S20"36'53"W S14"56'43"E N50"44'38"E N32"40'57"E N58"31'42"W N54"56'33"W S73"22'06"W N23"35'54"E N02"15'46"E N06"16'07"E N34"57'36"E N01"27'46"E N06"16'07"E N34"57'36"E N01"27'46"E N06"16'07"E N34"57'36"E N01"27'46"E N66"46'44"W N86"35"W S60"18"35"W S60"18"35"W S60"18"35"W S60"18"35"W S50"24'26"E S20"36'25"E S14"12'08"W S53"22'13"E N49"48'21"E S49"48'34"E S19"12'01"W S50"54'26"W	BLE LENGTH 76.81 54.35 73.25 53.55 69.45 67.13 94.63 71.83 77.25 38.46 BLE LENGTH 29.45 50.89 80.63 38.42 17.79 33.40 46.13 40.07 34.96 70.38 27.88 83.00 37.97 83.88 50.67 46.49 78.45 55.51 38.46 30.17 22.88 17.38 64.58	WETLAND NO. W3-1 W3-2 W3-3 W3-4 W3-5 W3-6 W3-7 W3-8 W3-9 W3-10 WL4-1 WL4-2 WL4-3 WL4-4 WL4-5 WL4-6 WL4-7 WL4-8 WL4-9 WL4-10 WL4-11 WL4-12 WL4-10 WL4-11 WL4-12 WL4-15 WL4-10 WL4-17 WL4-18 WL4-16 WL4-17 WL4-18 WL4-19 WL4-19 WL4-19 WL4-19 WL4-10	ELEV. 22.93' 22.59' 22.74' 22.88' 22.79' 23.01' 23.63' 22.77' 23.02' 22.74' 23.02' 22.74' 23.02' 23.
27 N48'54'29"E 52.90 WL4-27 23. 28 S82'03'29"E 36.85 WL4-28 23. 29 S33'50'36"E 45.45 WL4-29 22. 30 S08'10'15"W 60.12 WL4-30 22.	LINE 1 2 3 4 5 6 7 8 9 10 LINE 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	BEARING N61"28'39"W N67"32'18"W N49"41'49"W N52"31'39"E N50"49'58"E N41"51'25"E S54"15'25"E S22"09'38"W S20"36'53"W S14"56'43"E WETLAND-4 LINE TAE BEARING N25"55'17"E N00"44'38"E N32"40'57"E N58"31'42"W N54"56'33"W S73"22'06"W N23"35'54"E N02"15'46"E N06"16'07"E N34"57'36"E N01"27'46"E N06"16'07"E N34"57'36"E N01"27'46"E N86"46'44"W N84"30"16"W S60"18"35"W S60"18"35"W S60"18"35"W S60"18"35"W S60"18"35"W S50"53"22'13"E N49"48'21"E S49"48'34"E S19"12'01"W S50"54'26"W S50"54'26"W S50"54'26"W S50"54'26"W	BLE LENGTH 76.81 54.35 73.25 53.55 69.45 67.13 94.63 71.83 77.25 38.46 BLE LENGTH 29.45 50.89 80.63 38.42 17.79 33.40 46.13 40.07 34.96 70.38 27.88 83.00 37.97 83.88 50.67 46.49 78.45 55.51 38.46 30.17 22.88 17.38 64.58 44.62	WETLAND NO. W3-1 W3-2 W3-3 W3-4 W3-5 W3-6 W3-7 W3-8 W3-9 W3-10 WL4-1 WL4-2 WL4-3 WL4-4 WL4-5 WL4-6 WL4-7 WL4-8 WL4-9 WL4-10 WL4-11 WL4-12 WL4-13 WL4-11 WL4-15 WL4-16 WL4-17 WL4-16 WL4-17 WL4-18 WL4-19 WL4-20 WL4-21 WL4-22 WL4-23 WL4-24	ELEV. 22.93' 22.59' 22.74' 22.88' 22.79' 23.01' 23.63' 22.77' 23.02' 22.74' 23.02' 22.74' 23.02' 23.
29 S33'50'36"E 45.45 WL4-29 22. 30 S08'10'15"W 60.12 WL4-30 22.	LINE 1 2 3 4 5 6 7 8 9 10 LINE 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	BEARING N61"28'39"W N67"32'18"W N49"41'49"W N52"31'39"E N50"49'58"E N41"51'25"E S54"15'25"E S22"09'38"W S20"36'53"W S14"56'43"E N00"44'38"E N32"40'57"E N58"31'42"W N54"56'33"W S73"22'06"W N23"35'54"E N02"15'46"E N06"16'07"E N34"57'36"E N01"27'46"E N06"16'07"E N34"57'36"E N01"27'46"E N86"46'44"W N84"30"16"W S60"18'35"W S60"18'35"W S60"18'35"W S73"22'13"E N49"48'21"E S49"48'34"E S19"12'01"W S50"54'26"W S26"52'58"W S26"52'58"W S56"52'58"W S56"52'58"W S56"52'58"W	BLE LENGTH 76.81 54.35 73.25 53.55 69.45 67.13 94.63 71.83 77.25 38.46 BLE LENGTH 29.45 50.89 80.63 38.42 17.79 33.40 46.13 40.07 34.96 70.38 27.88 83.00 37.97 83.88 50.67 46.49 78.45 55.51 38.46 30.17 22.88 17.38 64.58 44.62 25.00	WETLAND NO. W3-1 W3-2 W3-3 W3-4 W3-5 W3-6 W3-7 W3-8 W3-9 W3-10 W4-1 WL4-1 WL4-2 WL4-3 WL4-4 WL4-5 WL4-6 WL4-7 WL4-8 WL4-9 WL4-10 WL4-11 WL4-12 WL4-10 WL4-11 WL4-12 WL4-15 WL4-16 WL4-17 WL4-16 WL4-17 WL4-18 WL4-19 WL4-20 WL4-21 WL4-22 WL4-23 WL4-24 WL4-25	ELEV. 22.93' 22.74' 22.88' 22.79' 23.01' 23.63' 22.77' 23.02' 22.74' 23.02' 22.74' 23.02' 23.
30 S0810'15"W 60.12 WL4-30 22.	LINE 1 2 3 4 5 6 7 8 9 10 LINE 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27	BEARING N61"28'39"W N67"32'18"W N49"41'49"W N52"31'39"E N50"49'58"E N41"51'25"E S54"15'25"E S22"09'38"W S20"36'53"W S14"56'43"E N25"55'17"E N00"44'38"E N32"40'57"E N58"31'42"W N54"56'33"W S73"22'06"W N23"35'54"E N02"15'46"E N06"16'07"E N34"57'36"E N01"27'46"E N01"27'46"E N86"46'44"W N84"30'16"W S60"18"35"W S60"18"35"W S04"24'26"E S19"12'01"W S50"54'26"E S19"12'01"W S50"54'26"W S26"52'58"W S26"52'58"W S28"09'17"E N48"54'29"E	LENGTH 76.81 54.35 73.25 53.55 69.45 67.13 94.63 71.83 77.25 38.46 BLE LENGTH 29.45 50.89 80.63 38.42 17.79 33.40 46.13 40.07 34.96 70.38 27.88 83.00 37.97 83.88 50.67 46.49 78.45 55.51 38.46 30.17 22.88 17.38 64.58 44.62 25.00 26.49 52.90	WETLAND NO. W3-1 W3-2 W3-3 W3-4 W3-5 W3-6 W3-7 W3-8 W3-9 W3-10 W4-1 WL4-1 WL4-2 WL4-3 WL4-4 WL4-5 WL4-6 WL4-7 WL4-8 WL4-9 WL4-10 WL4-11 WL4-12 WL4-13 WL4-14 WL4-15 WL4-15 WL4-16 WL4-15 WL4-16 WL4-17 WL4-18 WL4-19 WL4-19 WL4-19 WL4-20 WL4-21 WL4-22 WL4-23 WL4-24 WL4-25 WL4-26 WL4-27	ELEV. 22.93' 22.59' 22.74' 22.88' 22.77' 23.02' 22.74' 23.63' 22.74' 23.63' 23. 23. 23. 23. 23. 23. 23. 23. 23. 23.
31 S27°51'45"E 47.85 WL4-31 23.	LINE 1 2 3 4 5 6 7 8 9 10 LINE 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28	BEARING N61"28'39"W N67"32'18"W N49"41'49"W N52"31'39"E N50"49'58"E N41"51'25"E S54"15'25"E S22"09'38"W S20"36'53"W S14"56'43"E N25"55'17"E N00"44'38"E N32"40'57"E N58"31'42"W N54"56'33"W S73"22'06"W N23"35'54"E N02"15'46"E N06"16'07"E N34"57'36"E N01"27'46"E N86"44"W N84"30"16"W S60"18"35"W S60"18"35"W S60"18"35"W S14"2'08"W S53"22'13"E N49"48'21"E S49"48'34"E S19"12'01"W S50"54'26"W S26"52'58"W S54"1'53"W S28"09'17"E N48"54'29"E S82"03'29"E	BLE LENGTH 76.81 54.35 73.25 53.55 69.45 67.13 94.63 71.83 77.25 38.46 BLE LENGTH 29.45 50.89 80.63 38.42 17.79 33.40 46.13 40.07 34.96 70.38 27.88 83.00 37.97 83.88 50.67 46.49 78.45 55.51 38.46 30.17 22.88 17.38 64.58 44.62 25.00 26.49 52.90 36.85	WETLAND NO. W3-1 W3-2 W3-3 W3-4 W3-5 W3-6 W3-7 W3-8 W3-9 W3-10 W4-1 WL4-1 WL4-2 WL4-3 WL4-4 WL4-5 WL4-6 WL4-7 WL4-8 WL4-9 WL4-10 WL4-11 WL4-12 WL4-13 WL4-14 WL4-15 WL4-15 WL4-16 WL4-17 WL4-15 WL4-16 WL4-17 WL4-18 WL4-19 WL4-19 WL4-19 WL4-20 WL4-21 WL4-22 WL4-23 WL4-24 WL4-25 WL4-25 WL4-25 WL4-26 WL4-27 WL4-28	ELEV. 22.93' 22.59' 22.74' 22.88' 22.77' 23.63' 22.77' 23.02' 22.74' 22.74' 23.02' 22.74' 23.02' 22.74' 23.02' 23.

LINE	ETLAND-5 LINE TAE BEARING	LENGTH	WETLAND - 5 ELE WETLAND NO.	ELE'
1	S23'47'34"E	40.86	W-11 2-N	21.8
3	N73°42'14"E N52°34'44"E	56,59 21.06	W-11 2-M W-11 2-J	21.8 21.6
4	S01"12'53"E	18.01	W-11 2-L	21.9
5 6	S08'41'14"W S60'23'11"E	23.89 47.86	W-11 2-K W-11 2-I	21.8 22.0
7	S34°08'17"W	60.06	W-11 2-H	21.9
8	S03'02'29"E	29.36 47.01	W-11 2-G WL 11 2F	21.8 21.3
<u>9</u> 10	S3717'47"E S70'53'34"E	139.35	WL 11 2F W11 2-E	21.3
11	N77'53'16"E	40.41	W11 2-D	21.4
12 13	N46°10'41"E N64°21'08"E	64.62 43.69	W11 2-C W11 2-B	21.5 21.7
14	N64*21*08″E N49*02'12″E	60.62	W11 2-B	21.5
15	N75*56'58"E	70.43	W11-2	21.3
16 17	N69*53'13"E N70*35'18"E	88.32 102.08	W11-3 W11-4	21.0 21.3
18	S85°55'47"E	106.46	W11-5	21.2
19 20	N61'26'34"E	101.48 101.15	W11-6 W11-7	21.1 21.5
21	N84*56'58"E S10*05'24"E	93.16	W11-7	21.5
22	S52*43'12"W	150.95	W11-9	21.7
23 24	S49*39'49"W S37*46'03"W	164.69	W11-10 W11-TOPO JD4	21.2 21.2
25	N68°24'14"W	124.47	W11-TOPO JD3	21.6
26	N82'29'09"W	174.21	W11-TOPO JD2	21.4
27 28	N63'03'24"W S72'51'37"W	70.88 19.73	W11-TOPO JD1 WL5-24T1	21.4 21.4
29	S06*58'19"W	33.96	WL5-24S1	21.3
30 31	S85*35'33"W S89*15'17"W	20.45	WL5-24R1 WL5-24Q1	21.5 21.8
32	S25*53'08"W	52.32	WL5-24P1	21.6
33	S39'09'08"E	26.43	WL5-2401	21.6
<u>34</u> 35	S1117'31"W S33'56'42"E	43.69	WL5-24N1 WL5-24M1	22.1 21.8
36	S15*35'01"E	34.56	WL5-24L1	21.9
37 38	N32°40'14"W N46°42'10"W	68.75 39.24	WL5-24K1 WL5-24J1	22.1 21.9
39	N46'42 10 W S84'33'19"W	13.96	WL5-24H1	21.7
40	S34°46'03"W	36.95	WL5-24G1	21.6
41 42	S05*10'19"W S07'40'36"E	45.01 34.68	WL5-24F1 WL5-24E1	21.7 21.9
43	S82*32'15"E	24.29	WL5-24D1	21.5
44 45	S46'53'33"E S61'54'36"W	22.11	WL5-24C1 WL5-24B1	22.1 21.6
45 46	S61*54'36"W S09*45'23"E	50.59	WL5-24A1	21.6
47	S44'57'38"E	35.03	WL5-24Z	22.1
48 49	S44*58'21"E S47*13'24"E	45.77 60.09	WL5-24Y WL5-24X	21.7 21.7
50	S64°21'23"E	35.58	WL5-24W	21.6
51 52	S74°21'38"E	17.55	WL5-24V	21.7
52 53	N83°02'16"E S07°43'45"E	24.14 12.05	WL5-24U WL5-24T	21.7 21.6
54	S79"14'42"E	25.62	WL5-24S	21.5
55 56	N34°02'21"E N29°44'48"W	10.49 34.72	WL5-24R WL5-24Q	21.8 22.4
57	N6448'53"E	28.59	WL5-24PP	21.7
58 59	S42°40'11"E	49.09 16.55	WL5-24P WL5-240	21.9 22.1
60	S38*55'07"E S61*23'49"E	31.01	WL5-240 WL5-24N	22.1
61	S15'43'19"E	17.53	WL5-24M	22.1
62 63	N72°20'50"W S46°39'28"W	24.30 19.97	WL5-24L WL5-24K	21.9 21.9
64	S25°31'28"W	16.55	WL5-24J	21.5
65 66	S07°20'26"E	24.69 32.42	WL5-24I WL5-24H	21.4 21.6
67	S55*59'24"E N80'44'32"E	44.39	WL5-24G	21.6
68	S82°40'34"E	36.45	WL5-24F	21.2
69 70	N80°17'49"E N44°56'55"E	66. 8 8	WL5-24E WL5-24D	21.2 21.4
71	N50°04'50"E	41.77	WL5-24C	22.1
72	N6913'39"E	55.31	WL5-24B	21.9
73 74	S88*57'57"E S88*18'04"E	63.98 78. 3 3	WL5-24A WL5-23	21.6 21.1
75	N36'48'16"E	52. 5 7	WL5-22	21.3
76 77	N85°03'26"E	46.65	WL5-21	21.4
77 78	S11°58'47"E S08°50'10"E	175.52 98.29	W5-20 W5-19	21.3
79	S04°45'31"E	95. 9 3	W5-18	20.6
80 81	S57'58'53"E	103.77 51.19	W5-17 W5-16	20.8 21.1
82	S49*01'00"E S74*04'22"E	42.17	W5-16 W5-15	21.1
83	S04'30'55"E	45.63	W5-14	21.7
84 85	S04°08'14"W S50°53'56"W	63.21 50.85	W5-13 W5-12	21.7 21.6
86	N00°43'44"E	61.98	W5-11	21.1
87	N27°58'14"W	31.08	W5-10	21.3
88 89	S8816'26"W N83'46'28"W	81.19 77.32	W5-9 W5-8	20.5
90	N64*42'25"W	96.54	W5-7	20.5
91 92	N80°37'48"W N81°11'26"W	66.53 100.55	W5-6 W5-5	20.5 21.3
93	N51*36'21"W	77.72	W5-4	21.4
94	N19°45'03"W	47.40	W5-3	21.0
95 96	S82*04'02"W N11*50'52"W	6.82	WL9-1J WL9-1I	21.6 21.8
97	N30°42'11"W	35.03	WL9-1H	22.4
98	N48°20'36"W	44.31	WL9-1G	22.0
99 100	N35°08'07"W N58°27'22"W	55.41 75.34	F WL9-1E	21.0
101	S41'03'48"W	21.63	WL91D	21.8
102	N16'31'06"W	28.89	WL9-1C WL9-1B	21.1
103 104	N68*26'30"W S76*35'05"W	23.87 50.24	WL9-1B WL9-1A	21.1
105	N29'53'44"W	41.45	W9-1	21.3
106 107	S03'48'36"W	94.34 117.75	W9-2 W9-3	21.6 21.0
107	S07°04'22"W S05°25'44"E	117.75	W9-3 W9-4	21.0
109	S18'47'29"E	85.71	W9-5	20.8
110 111	S13'22'47"W	103.01 78.90	W9-6 W9-7	21.3 21.0
1112	S68°07'17"W N73°59'10"W	106.62	W9-7 W9-8	21.4
113	N26"17'38"W	51.23	W9-9	21.3
114 115	N10°40'51"E N10°08'13"E	82.18 76.57	W9-10 W9-11	21.3 21.3
116	N10'08'13"E N15'56'31"W	56.33	W9-12	21.3
117	N11"12'23"W	73.80	W9-13	22.2
118 119	N16*54'19"W N67*04'57"W	82.58 22.70	W9-14 W9-15	21.4 21.5
120	S76'57'31"W	74.45	W9-16	21.4
121	N4819'54"W	92.08	W9-17	21.5

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<u> </u>		
LINE	ETLAND-6 LINE TAE BEARING	BLE LENGTH
1 2	S85°24'48"W N41°56'33"E	36.42 21.79
3	S67°27'38"W	51.63
5	N46°06'04"W N18°04'00"W	36.68 26.59
6 7	N58°27'16"E N06°39'49"E	17.96 16.64
8 9	N12°59'36"W S69°20'07"W	59.83 24.26
10	S09'03'33"E	18.50
11 12	S27'38'01"W S43'46'45"W	68.47 23.64
13	S58'45'15"W S12"14'54"W	118.78 179.65
15	S12*57'16"E	74.28 96.57
16 17	S60'48'38"E N30'39'36"E	71.56
18 19	N53¶7'31"E N36'40'53"E	72.11 45.09
20 21	S75°04'52"E	64.86 94.25
22	N09*43'22"E N03*30'38"E	115.98
LINE 1	ETLAND-7 LINE TAE BEARING N85°08'12"E	BLE LENGTH 94.96
2	N70°09'12"E	150.23
3 4	N5015'28"E N00'58'21"W	92.81 235.92
<u>5</u>	S83°06'42"W S72°06'57"W	112.99 153.30
7	S6213'11"W	77.50
UNE 1 2 3 4 5 6 7	ETLAND-8 LINE TAE BEARING \$29"21'50"E \$01'45'34"E \$62'50'16"W N50'49'14"W N27"28'21"W N16"25'51"E N67"40'00"E	BLE LENGTH 61.35 52.77 81.87 35.29 60.88 32.74 94.40
LINE 1	ETLAND—10 LINE TA BEARING S09"15'21"E	ABLE LENGTH 94.11
2	N17"1'56"E N00"33'41"W	79.37 148.61
4	N07°00'57"W	49.72
5 6	N85°21'23"W N64°30'47"W	39.39 74.14
7 8	S64*11'25"W S32*42'13"W	68.23 104.12
9	S7719'25"W	84.91
10 11	S64*47'33"W S47*48'04"W	56.79 71.07
12	S17°27'05"W	48.13
13	N63'48'00"E N79'08'57"E	111.94 99.88
15 16	N39°35'16"E S77°15'44"E	75.20 40.84
17	S8218'40"E	43.80
18	S4113'34"E	97.73
LINE 1	ETLAND-12 LINE TA BEARING S46'38'00"W	ABLE LENGTH 94.82
2	S73"10'54"W	125.98
3 4	N72'34'31"W N10'55'07"E	100.43 120.32
5 6	N47*38'46"E N55*23'22"E	94.39 92.77
7 8	N6917'22"E N81'35'45"E	88.60 38.88
9	N81 35 45 E N38 00'11"F	17.76

. 0	S32'42'13 W	104.12	WIU-8	22.25
9	S77"19'25"W	84.91	W10-9	22.49'
10	S64*47'33"W	56.79	W10-10	22.65'
11	S47°48'04"W	71.07	W10-11	22.73'
12	S17°27'05"W	48.13	W10-12	22.57'
13	N63'48'00"E	111.94	W10-13	22.05'
14	N79'08'57"E	99.88	W10-14	21.98'
15	N39°35'16"E	75.20	W10-15	22.51'
16	S7715'44"E	40.84	W10-16	21.84'
17	S8218'40"E	43.80	W10-17	22.61'
18	S4113'34"E	97.73	W10-18	22.09'
	ETLAND-12 LINE TAI		WETLAND-12	
LINE	BEARING	LENGTH	WETLAND NO.	ELEV.
1	S46°38'00"W	94.82	W12-1	21.68'
2	S73'10'54"W	125.98	W12-2	21.38'
3	N72'34'31"W	100.43	W12-3	21.30'
4	N10'55'07"E	120.32	W12-4	21.54'
5	N47*38'46"E	94.39	W12-5	21.95'
6	N55'23'22"E	92.77	W12-6	21.95'
7	N6917'22"E	88.60	W12-7	21.78'
8	N81'35'45"E	38.88	W12-8	22.04'
9	N38°00'11"E	17.76	W-12-9K	22.08'
10	N17°57'21"W	29.49	W-12-9J	21.96'
11	N44*11'44"W	48.75	W-12-9I	21.84'
12	N07*31'58"E	44.57	W-12-9H	21.99'
13	N44°24'37"E	52.80	W-12-9G	22.00'
14	S25'37'20"E	55.96	W-12-9F	21.85'
15	S28'39'36"W	30.48	W-12-9E	21.85'
16	S2518'08"E	43.53	W-12-9D	21.81'
17	S22'43'10"W	31.70	W-12-9C	21.93'
	322 43 10 W	31.70		21.90
18	S06*47'48"W	33.26	W-12-9B	22.03'

19 S0416'33"W 23.87

20 S12'11'33"W 47.04 21 S05'54'08"W 52.24 22 S10'10'48"W 59.22

W	ETLAND-13 LINE TA	BLE	1	WETLAND-13	ELEV. TABL
LINE	BEARING	LENGTH		WETLAND NO.	ELEV.
1	N54°27'27"E	68.60		W13-22	20.05
2	S70°48'41"E	66.39	:	W13-21	20.78'
3	S85*38'14"E	149.60		W13-20	20.25
4	S40'40'28"E	133.48		W13-19	20.43'
5	S39°41'55"E	68.97		W13-18	20.46'
6	N5316'50"E	48.32		W13-17	20.48'
7	N17°40'44"W	155.56		W13-16	20.36'
8	N42°34'13"E	113.60		W13-15	20.66'
9	S8810'43"E	48.04		W:3-14	20.85'
10	S61"13'10"E	91.18		W13-13	20.23
11	N39°47'12"E	4.89		W13-12	20.91
12	N4310'50"E	53.05		A-1	21.48'
13	N36"15'01"E	28.71		B-1	26.14'
14	N15'26'46"E	23.61		C-1	20.83'
15	N22°05'18"E	69.16		D-1	20.93'
16	S88*46'41"E	46.90		W14-12	21.26'
17	S73°28'06"E	91.95		W14-11	20.63'
18	N45°47'07"E	60.67		W14-10	21.37'
19	N74*58'01"E	75.87		W14-9	21.73'
20	S84°51'50"E	105.06		W14-8	20.27
21	S18'54'40"W	88.51		W14-7	20.48'
22	S32*58'55"W	97.52		W146	20.65
23	N60'36'25"W	141.22		W14-5	20.81
24	S77*46'22"W	75.59		W14-4	20.92'
25	S74*40'45"W	71.20		W14-3	21.43'
26	N67'49'03"W	30.58		W14-2	20.90'
27	S27"1'15"W	40.47		W14-1	20.84
28	S40°06'34"W	56.88		Α	21.15'
29	S19*53'07"W	36.32		В	20.63'
30	S05'30'51"W	128.31		W13-11	20.53
31	S04°08'43"E	137.60		W13-10	20.28'
32	S04'00'50"E	127.21		W13-9	20.50'
33	S47'33'59"W	78.03		W13-8	20.62'
34	N82°53'17"W	200.27		W13-7	20.63
35	S21°51'02"W	89.81		W13-6	20.74
36	S59'32'14"W	75.24		W13-5	20.60'
37	N85°01'25"W	148.48		W13-4	20.60'
38	S68°39'24"W	77.23		W13-3	20.06'
39	N88*34'41"W	107.88		W13-2	20.66
				W13-1	20.83

W	ETLAND-14 LINE TA	ABLE	WETLAND-14 EL	EV. TAE
LINE	BEARING	LENGTH	WETLAND NO.	ELE
1	N6012'45"E	28.08	14-1	21.3
2	N06°23'58"W	68.62	14-2	20.6
3	N47'30'12"W	56.16	14-3	21.4
4	S24*42'02"W	18.04	14-4	21.0
5	S03*38'34"W	85.41	14-5	21.1
6	S63'53'19"E	41.93	14-6	21.6

·	WE	TLAND-15 LINE TABI	E
	LINE	BEARING	LENGTH
	1	N62°45'19"E	82.48
	2	S67*47'14"E	63.86
	- 3	N80'55'14"E	18.72
	4	S12"22'09"W	44.10
	5	S32'34'14"E	47.82
	6	S14°22'45"E	71.43
	7	S73°23'10"W	107.10
	8	N83"15'59"W	57.59

W	ETLAND-16 LINE TA	ABLE		WETL
LINE	BEARING	LENGTH		WET
1	N70°58'40"E	45.43	}	W
2	S64'37'16"E	37.15		W
3	S67*45'20"E	59.99		W
4	S72'59'14"E	52.97		W
5	S50°02'55"E	41.06		W
6	S39'36'31"E	35.87		W
7	S46"11'04"W	42.35		W
8	N80*38'30"W	34.95	1	W
9	N70'39'27"W	35.14		W
10	S61'37'40"W	50.91]	W
11	S72*54'42"W	38.36	44 1	W
12	N67*47'26"W	64.81		W
			•	WL

WE7	LAND-17 LINE TAE	BLE
LINE	BEARING	LENGTH
1	N2312'26"E	70.14
2	N48°03'53"E	104.44
3	N59*30'33"E	90.40
4	S83'29'47"E	68.58
5	S03°07'43"E	204.24
6	S63'59'24"W	131.41
7	S67°34'35"W	108.00
8	N18*52'23"W	137.81

۱I	3LE		WETLAND-13	ELEV. TABLE		
	LENGTH		WETLAND NO.	ELEV.		LINE
	68.60		W13-22	20.05		1
	66.39	:	W13-21	20.78'		2
	149.60		W13-20	20.25'		3
	133.48		W13-19	20.43'		4
	68.97		W13-18	20.46'		5
	48.32		W13-17	20.48'		6
	155.56		W13-16	20.36'	·	7
	113.60		W13-15	20.66'		
	48.04		W:3-14	20.85'		
	91.18		W13-13	20.23'		
	4.89		W13-12	20,91'		
	53.05		A-1	21.48'		
	28.71		B-1	26.14'		
	23.61		C-1	20.83'		
	69.16		D-1	20.93'		
	46.90		W14-12	21.26'		
	91.95		W14-11	20.63'		
	60.67		W14-10	21.37'		LINE
	75.87		W14-9	21.73'		1
	105.06		W14-8	20.27		2
	88.51		W14-7	20.48'		3
	97.52		W146	20.65'		4
	141.22		W14-5	20.81		5
	75.59		W14-4	20.92'		6
_	71.20		W14-3	21.43'		7
_	30.58		W14-2	20.90'		
_	40.47		W14-1	20.84		
	56.88		Α	21.15'		

WETLAND-15 ELEV. TABLE

WETLAND NO. ELEV.

W15-1 22.17' W15-2 22.31' W15-3 22.87'

W15-3A 22.64' W15-3B 22.52'

W15-4 22.32'

W15-5 22.45' W15-6 22.11'

W15-7 22.72'

21.97'

21.99' 22.23' 22.02' 22.00' 22.13'

22.60'

21.40'

23.41'

22.31'

22.24'

22.84

21.65'

21.33' 21.33'

21.63'

21.77' 20.58'

WETLAND-17 ELEV. TABLE

WETLAND NO. ELEV. W17-1 21.65'

W17-7 21.20' W17-8 21.23'

W17-2 W17-3

W17-4

W17-5 W17-6

7 6 5 4 3	20.48'		
6	20.36'		
5	20.66'		
4	20.85'		
3	20.23'		
2	20.91'		
	21.48'		
,	26.14'		
	20.83'		
	20.93'		
2	21.26'		
1	20.63'		
0	21.37'		L
)	21.73'		
3	20.27		
7	20.48'		
3	20.65'		
5	20.81'		
2 1 0 9 3 7 5 5 5 1 1	20.85' 20.23' 20.91' 21.48' 26.14' 20.83' 20.93' 21.26' 20.63' 21.37' 21.73' 20.27' 20.48' 20.65' 20.81' 20.92' 21.43' 20.90' 20.84' 21.15' 20.63' 20.53' 20.28' 20.50' 20.62' 20.63' 20.74' 20.60'		
3	21.43'		
2	20.90'		
1	20.84		
	21.15'	•	
	20.63'		
1	20.53'		
0	20.28'		
}	20,50'		
3	20.62'		
7	20.63'		
3	20.74		
5	20.60'		L
1	20.60		
0 3 3 7 6 6 5 4 8	20.06'		
2	20.66'		
1	20.83'		

INE BEARING LENGTH WETLAND NO. 1 N62°35'43"W 37.26 W19-1 2 N77°28°55"W 30.32 W19-2 3 N64°10'56"E 27.86 W19-3 4 N12°15'09"E 14.96 W19-4 5 S66°53'55"E 20.82 W19-5 6 S61°49'27"E 18.57 W19-6 7 S01°52'18"W 33.56 W19-7	WE	TLAND-19 LINE TAE	BLE	WETLAND-1	9 EL
2 N77*28'55"W 30.32 W19-2 3 N64*10'56"E 27.86 W19-3 4 N12*15'09"E 14.96 W19-4 5 S66*53'55"E 20.82 W19-5 6 S61*49'27"E 18.57 W19-6	INE	BEARING	LENGTH	WETLAND N	0.
3 N64*10'56"E 27.86 W19-3 4 N12*15'09"E 14.96 W19-4 5 S66'53'55"E 20.82 W19-5 6 S61*49'27"E 18.57 W19-6	1	N62°35'43"W	37.26	W19-1	
4 N12"15'09"E 14.96 W19-4 5 S66"53'55"E 20.82 W19-5 6 S61"49'27"E 18.57 W19-6		N77*28°55"W	30.32	·	
5 S66°53′55″E 20.82 W19-5 6 S61°49′27″E 18.57 W19-6	3	N64*10'56"E	27.86	W19-3	
6 S61*49'27"E 18.57 W19-6		N12"15'09"E	14.96	W19-4	L_
	5	S66*53'55"E	20.82	W19-5	
7 S01°52'18"W 33.56 W19-7	6	S61°49'27"E	18.57	W19-6	
	7	S01°52'18"W	33.56	W19-7	

LENGTH

LENGTH

78.84

83.92

79.09

WETLAND-18 LINE TABLE

BEARING

S68'00'28"E

N74°29'04"E

N19*51'02"E

N60'07'29"W

S78°03'50"W

S39*52'05"W

WETLAND-20 LINE TABLE

S59°02'25"W 27.76

BEARING

S39*37'18"E 32.13

WETLAND-18 ELEV. TABLE WETLAND NO. ELEV.

W18-1 21.75' W18-2 21.99' W18-3 21.91' W18-4 21.98'

W18-5 22.02' W18-6 22.00' W18-7 21.96'

WETLAND-20 ELEV. TABL

WL20-1 21.81'

WETLAND NO. ELEV.

1	S59 02 25 W	21.70	WL20-1	21.81
2	S62°47'06"E	34.49	WL20-2	22.09'
3	S78°59'06"E	30.83	WL20-3	21.97'
4	N6018'36"E	41.40	WL20-4	21.90'
5	N08°34'47"E	27.69	WL20-5	21.90'
6	N48°41'44"E	23.46	WL20-6	21.81'
7	N59°01'31"W	35.11	WL20-7	21.73'
8	S60°38'18"W	33.17	WL20-8	21.56'
9	S38'02'42"W	23.35	WL20-9	21.85'
10	S631017"W	24.02	WL20-10	21.72'

Į	JPLAND-1 LINE TAB	LE	UPLAND-1	ELEV. TABLE
LINE	BEARING	LENGTH	WETLAND NO.	ELEV.
1	N59"10'18"E	42.22	UPL-1	21.30'
2	S24*53'22"E	19.68	UPL-2	21.30'
3	S30'51'18"W	28.56	UPL-3	21.45'
4	N74*51'24"W	30.19	UPL-4	22.24
5	N03°21'58"W	12.87	UPL-5	21.77'
	1 1100 21 00 11		<u> </u>	

UPLAND-2 LINE TABLE						
LINE	BEARING	LENGTH				
1	S86'34'32"E	53.51				
2	S63'06'57"E	58.85				
3	S49°07'10"E	24.55				
4	S26'40'08"E	37.71				
5	S22*25'23"W	46.89				
6	S60°20'49"W	21.81				
7	N75*39'07"W	57.31				
8	N53'37'11"W	58.19				
9	N01*28'06"W	85.02				

U	PLAND-2 LINE TAB	LE	UPLAND-2 E	LEV. TABLE
LINE	BEARING	LENGTH	WETLAND NO.	ELEV.
1	S86*34'32"E	53.51	UPL2-1A	21.32'
2	S63*06'57"E	58.85	UPL2-1	21.68'
3	S49°07'10"E	24.55	UPL2-2	21.42'
4	S26°40'08"E	37.71	UPL2-3	21.46'
5	S22°25'23"W	46.89	UPL2-4	21.46'
6	S60°20'49"W	21.81	UPL2-5	21.66'
7	N75*39'07"W	57.31	UPL2-6	21.45'
8	N53'37'11"W	58.19	UPL2-7	21.80'
9	N01°28'06"W	85.02	UPL2-8	21.64'

- 1. SEE SHEET 1 OF 4 FOR DESCRIPTION, NOTES, LEGEND AND ADDITIONAL BOUNDARY INFORMATION.
- 2. SEE SHEETS 2 & 3 OF 4 FOR THE CONTINUATION OF THE BOUNDARY SURVEY.
- 3. ALL TABLE DISTANCES ARE IN FEET AND DECIMAL FEET.
- 4. WETLAND AREAS EXCLUDE ANY OFF-SITE WETLANDS.
- " 7 " DENOTES BEARING AND DISTANCE BETWEEN WETLAND POINTS. SEPERATE DISTANCE TO BOUNDARY LINES AS GRAPHICALLY DEPICTED ON SHEETS 2 AND 3

					REVISIONS
					DATE
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Design	by:	N/A

Drawn by : JLQ/RKB

Checked by : MPC

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Engineering Group, Inc.

MERRIT ISLAND, FLORIDA 32953
0010 FAX NO.: (321) 454-6885

BOUNDARY SURVEY PREPARED FOR:

Macaulay Development
Consultants, inc. ARNELL STREET
NO.: (321) 453-0 **6**0 Ø 200

ORTE



Date: FEB 12, 2007

Scale: N/A Proj. No.: 347002-F

Sheet No.