

(Date Critical)

Lee County Board of County Commissioners  
Agenda Item Summary

Blue Sheet No. 20041287

1. **REQUESTED MOTION:**

**ACTION REQUESTED:** Approve Blasting Permit Number BLS2004-00007 for Herons Glen Phase II with recommended conditions.

**WHY ACTION IS NECESSARY:** Board of County Commissioner approval is required for all blasting permits in accordance with LDC Chapter 3.

**WHAT ACTION ACCOMPLISHES:** Approves use of development blasting, in accordance with certain conditions, in conjunction with the construction of Herons Glen Phase II.

2. **DEPARTMENTAL CATEGORY:** COMMISSION DISTRICT # 9:30      3. **MEETING DATE:** 11-09-2004

4. <b>AGENDA:</b>	5. <b>REQUIREMENT/PURPOSE:</b> (Specify)		6. <b>REQUESTOR OF INFORMATION:</b>	
	<input type="checkbox"/> CONSENT	<input type="checkbox"/> STATUTE	A. <b>COMMISSIONER</b>	
	<input type="checkbox"/> ADMINISTRATIVE	<input checked="" type="checkbox"/> <b>ORDINANCE</b> LDC 3-10(a)	B. <b>DEPARTMENT</b> Community Develop.	
	<input type="checkbox"/> APPEALS	<input type="checkbox"/> ADMIN. CODE	C. <b>DIVISION</b> Develop. Services	
	<input checked="" type="checkbox"/> <b>PUBLIC</b> 9:30am	<input type="checkbox"/> OTHER	<b>BY:</b> Bob Stewart, Building Official	
<input type="checkbox"/> WALK ON				
<input type="checkbox"/> TIME REQUIRED:				

7. **BACKGROUND:**

Donald Conway, a State licensed user, filed a development blasting permit application on behalf of Earthmark Companies, the developer of Herons Glen Phase II, on August 11, 2004. Herons Glen is located in North Fort Myers. The application indicates blasting is necessary at this location because 3' - 5' of rock located in the area of lake construction. The applicant asserts that standard excavation equipment would be impractical for removing the rock in this case.

(Continued on Page 2)

8. **MANAGEMENT RECOMMENDATIONS:**

See attached staff recommendation.

9. **RECOMMENDED APPROVAL:**

A Department Director	B Purchasing or Contracts	C Human Resources	D Other	E County Attorney	F Budget Services				G County Manager
<i>M. Gibbs</i>	N/A	N/A	N/A	<i>M. Gibbs 10/28/04</i>	OA	OM	RISK	GC	<i>[Signature]</i>
					<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	

10. **COMMISSION ACTION:**

APPROVED  
 DENIED  
 DEFERRED  
 OTHER

Rec. by **CoAtty**  
 Date: 11/28/04  
 Time: 9:54  
 Forwarded To: Co. Admin

RECEIVED BY  
 COUNTY ADMIN: [Signature]  
10/28/04  
10:30am  
 COUNTY ADMIN  
 FORWARDED TO: [Signature]  
11/28/04  
4pm

**Blue Sheet #:**

**Page No.:** 2

**Subject:** Approve Blasting Permit Number BLS2004-00007 for Herons Glen Phase II with recommended conditions.

If issued the permit will allow development blasting activity in order to construct the surface water management lakes approved as part of Lee County Development Order #DOS2004-00023. The blasting activity is proposed to occur between November 9, 2004 and March 15, 2005.

This request has been reviewed by Lee County DOT, Southwest Florida International Airport, Lee County Utilities and other utility entities. Copies of comments received from these entities are attached.

County staff has reviewed the application and recommends approval of Development Blasting Permit Number BLS2004-00007 in accordance with the attached recommended conditions.

**Attachments:**

1. Staff Recommendation, including Blast Plan recommended for approval
2. Responses from Utility Entities
3. Development Blasting Permit Application

## Staff Recommendation

**Blasting Permit Application Number:** BLS2004-00007

**General Location:** Herons Glen Subdivision (Phase II). Located just south of the Charlotte County line between I-75 and U.S. 41 in North Fort Myers.

**Permit Applicant (User):** Donald Conway

**Developer:** Earthmark Companies

**Why developer asserts blasting is necessary:**

There is 3' - 5' of rock in the areas of lake construction. Standard excavation equipment would be impractical for removing the rock in this case.

**Duration of Proposed Development Blasting Activity:**

168 days from November 9, 2004 to March 15, 2005

**Staff Assessment of LDC §3-10.(b). factors:**

**1. Compatibility of proposed activity with surrounding community.**

Due to the remote location of the project and prior experience with recent blasting activity, the proposed blasting is not incompatible with the community.

**2. Distance from boundary of the blast site to proximate:**

**Schools:** Littleton Elementary - approximately 4 miles south

**Churches:** Saint Theresa Catholic Church - 1.3 miles west

**Health care facilities:** Lee Memorial Hospital - more than 5 miles away

**Infrastructure:** Lee County Utilities - located on site

**3. Whether the proposed development blasting activity appears to be in the best interest of the public health, safety and welfare, and why.**

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Staff believes if the proposed blasting activity is conducted in compliance with LDC Chapter 3 and the recommended conditions, the blasting activity should have no negative impact on public health, safety and welfare.

**Specific conditions recommended in addition to standard LDC 3-10(d) conditions.**

1. Lee County Utilities Inspector, Bob Masino (707-9381), must be specifically notified 24 hours prior to the blasting activity.
2. Materials necessary to repair a watermain break or rupture must be on-site during all blasting activity. These materials must be made available at no cost to Lee County Utilities in the event of a watermain break.
3. If a water mainbreak occurs, repair must be completed within three hours. A Lee County Utilities inspector, preferably Bob Masino, must be on-site during repair.
4. The watermain must be bacteriologically cleared subsequent to any repair.
5. An additional seismograph must be located above the water main in accordance with applicable LDC provisions and as identified on attached proposed blast plan.
6. If any damage to Lee County Electric Cooperative (LCEC) facilities occur, EarthMark Companies will reimburse LCEC for all costs associated with repair and lost service.
7. The Plan labeled as 'Blast Plan (as requested by staff)' is the approved Blast Plan.
8. Standard conditions identified in LDC §3-10(d) also apply.

**From:** Thom Osterhout  
**To:** Roberts, Rick  
**Date:** 9/13/04 10:50AM  
**Subject:** HERONS GLENN PHASE 2 GOLF COURSE

Rick, This morning I met with Dave Hyyti and Rory Simons regarding blasting at the above referenced project. We at LCU reviewed and agreed with the Blast Radius plan prepared by Johnson Engineering in July 2004 with the following conditions as it relates to our existing 12" diameter ductile iron water main.

1. The blasting along the west side of lake 169 must be done prior to this Thanksgiving.
2. Our inspector Bob Masino (707-9381) must be notified 24 hours in advance of any blasting in this area.
3. The contractor must have on-site the necessary materials to repair the water main should it rupture at no cost to LCU.
4. The water main must be repaired within three hours should the main break and the repair must be witnessed by Bob Masino.
5. The contractor must bacteriologically clear the main.
6. LCU requests that a seismograph be place on our main, however, we are not too concerned about limiting the vibration level to .3 PPV as this main is a secondary main. Should this main break we will still be able to provide service via the main that enters Herons Glenn from US 41 for the three hour window **out of peak tourist season.**

Should you have any questions or I have not addressed all the issues, please do not hesitate in contacting me.

Thom Osterhout  
Utilities Senior Manager  
New Development  
Lee County Utilities  
E-mail address [TOsterhout@leegov.com](mailto:TOsterhout@leegov.com)  
Phone (239) 479-8165  
Fax (239) 479-8176

**CC:** Masino, Robert



L.C.  
Lee County Electric Cooperative, Inc.  
Post Office Box 3455  
North Fort Myers, FL 33918-3455  
(239) 995-2121 • FAX (239) 995-7904  
www.lcec.net • www.ilinc.com

August 25, 2004

David Hyyti  
EarthMark Companies  
12800 University Drive, Suite 400  
Fort Myers, FL 33907

RE: Herons Glen Phase II, Development Blasting Letter of No Objection

Dear Mr. Hyyti:

LCEC has reviewed the locations (Exhibits A and B) of the proposed blasting at Herons Glen and has no objection to the proposed activities. In addition, LCEC's general review has not indicated any facilities in the area that would be affected by the proposed blasting. However, if damage occurs to any LCEC facilities, EarthMark Companies will reimburse LCEC all costs associated with any outage and repairs.

Sincerely,

Clark Hawkins  
Distribution Engineering Manager

Cc: Trish Lassiter



LEE COUNTY  
SOUTHWEST FLORIDA

Permit# BLS2004- \_\_\_\_\_

Lee County  
Development Blasting Permit Application

1. Contact Information. [LDC 3-5(a)(1)]

**User** (Permit Applicant must be a User. "User" means an individual that holds a valid state license allowing the purchase and detonation of explosives.)

Name: DONALD E. CONWAY

Address: 203 SAN PEDRO, CLEWISTON, FL. 33440

Phone #: (863) 983-2939 CELL: (239) 777-0215

**Blaster**

Name: KARL SHUEBROOK

Address: 101 SE 12<sup>th</sup> ST., CAPE CORAL, FL. 33990

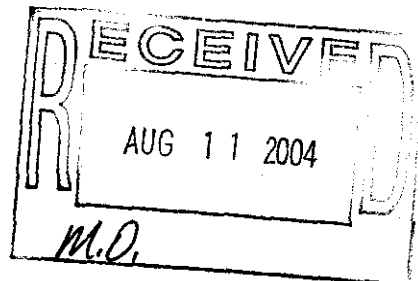
Phone #: (239) 572-4113

**Developer**

Name: EARTHMARK COMPANIES

Address: 12800 UNIVERSITY DR., FT. MYERS, FL. 33907

Phone#: (239) 415-6216



**Developer's Designated Contact Person**

Name: MICHAEL LA PLANTE

Address: 2260 CORONA DEL SIRE, N. Ft. MYERS, FL. 33917

Local Phone #: (239) 543-1775

**Property Owner**

Name: COOLIDGE - Ft. MYERS REALTY LTD. PARTN.

Address: 12800 UNIVERSITY DR., Ft. MYERS, FL. 33907

Phone#: (239) 415-6216

**Blast Engineer (Licensed Professional Engineer creating or corroborating the blasting plan.)**

Name: H. FRANK MURATI, P.E.

5811 COMPOSITION CIRCLE

Address: FORT MYERS, FL 33905

Phone #: (239) 693 6334

**Engineer's Designee (Must work under the supervision of the Blast Engineer)**

Name: COY CONLEY

5811 COMPOSITION CIRCLE

Address: FORT MYERS, FL 33905

Phone#: (239) 693 6334

**Seismograph Operator**

Name: KARL SHUEBROOK (FOR SEISMOGRAPH AT CLOSEST DWELLING)

Address: 101 SE 12<sup>th</sup> ST., CAPE CORAL, FL. 33990

Phone#: (239) 574-4113



**Blast Survey Professional** (Specific person responsible for all pre and post blast surveys)

Name: BILL KLEINERT (VIBRATION ENERGY SERVICES, INC.)

Address: P.O. Box 25070, TAMARAC, FL. 33320

Local Phone#: (239) 682-0834

2. Local Registrations. [LDC3-5(a)(2)]

Attach copies of the valid local registrations for the user and blaster identified above as responsible for proposed activity. AVAILABLE FROM COUNTY ON 8/16/04

3. Location of proposed blasting activity. [LDC 3-5(a)(3)]

a) Strap number(s) of entire project or subdivision: SEE ATTACHED

b) Strap number of property containing proposed blast site (Blast Site means the area identified in the blasting plan that will encompass the blasting activity.): \_\_\_\_\_  
SEE ATTACHED

c) Physical Address of blast site: 3901 NALLE GRADE RD., N. Ft. MYERS, FL. 33917

d) Legal Description of blast site (A metes and bounds legal description, with an accompanying sketch, sealed by a licensed surveyor must be attached.)  
ATTACHED

e) Aerial depicting the entire project/subdivision site as well as the blast site boundaries. ATTACHED

4. Description of the project to be benefitted by the blasting activity. [LDC3-5(a)(4)]

Approved Local Development Order #: DO5 2004-00023 (A copy of the ★ stamped approved local development must be submitted with the application.)

Narrative explaining why the blasting is necessary for the development of the overall project/subdivision. Include an explanation of the existing geology within the blast site area.

GOLF COURSE CONSTRUCTION, WATER MANAGEMENT FACILITIES AND OTHER SUBDIVISION INFRASTRUCTURE.

SITE GEOLOGY INDICATES 6'-7' OF SAND OVER-BURDEN, 3'-5' OF ROCK WITH SLIGHT VARIABILITY.

5. A sketch of the proposed blasting site superimposed over an aerial. [LDC 3-5-(a)(5)].

The sketch must show measured distances from all structures, buildings, streets, above and below ground utilities, wells and other facilities within 1,500 feet of blasting site.

The base aerial used should include the entire project or subdivision site as well as the blast site, unless the scale necessary to provide this level of information is greater than \_\_\_ feet = one inch.

Attached **3 PRINTS ATTACHED SHOW INFORMATION**

6. Property owner list. [LDC 3-5(a)(6)].

List of all property not under the ownership or control of the user, blaster or developer within 3,000 feet of the blasting site. This list must include the name and address of the property owner, whether the property is improved, and the type of structure and occupancy.

Attached

7. Proposed blasting plan [LDC 3-5(a)(7)].

a) Description of proposed blasting procedure: **DRILL 13' DEEP HOLES, PLACE PACKAGED EMULSION (SEE PLAN FOR SIZE CHARGES) WITH CAST PRIMER AND DETONATOR IN EACH HOLE. HOLES WILL HAVE 25 MS DELAY BETWEEN THEM AND 42 MS DELAY BETWEEN ROWS. TOWARD END OF DAY, TIE IN HOLES AND ROWS, CONNECT ELECTRIC CAP, AND BLAST.**

b) Engineer's estimate of total cubic yards of material to be excavated from the blast site as a result of the blasting: **1,200,000**

What is percentage of excavated material that will be used on site?:

**100**

What percentage of excavated material will be processed on site?:

**100**

How and where will excavated material be processed? **VIA BACKHOLE, ON SITE THROUGH OUT PROJECT**

What happens to by-products of excavated material not used on site?

**THERE WILL BE NO BY-PRODUCTS**

- c) Estimate number of blasts to be detonated: 100-300
- d) Quantity and type of explosives to be used: ANFO BASED EMULSION, CAP SENSITIVE EMULSION, CAST PRIMERS, DETONATORS
- e) Maximum amount of explosives per delay: 30
- f) Maximum number of holes per delay: 1
- g) Proposed delay between holes and rows: 25 ms FOR HOLES, 42 ms. FOR ROWS
- h) Proposed placement of seismographic machines: 1 at closest structure, 1 at water main, 1 at each of 4 compass points and others placed where deemed necessary by County.
8. Duration of blast activity. [LDC 3-5(a)(8)]

Estimated starting date: 10/20/04  
 Completion date: 1/20/04  
 Total anticipated days of blasting activity: 90

9. Hours of intended blasting operations [LDC 3-5(a)(9)] 11:30 AM WHEN NEEDED AND 3:45 PM

10. Traffic Control. [LDC 3-5(a)(10)]  
 Explain in detail the proposed plan for traffic control, barricading and sign.

NO PUBLIC TRAFFIC TO BE AFFECTED BY THIS BLASTING  
SINAGE FOR CONSTRUCTION WORKERS TO SAY "DANGER  
BLASTING" AND "EXPLOSIVES - KEEP OFF"

11. Explain in detail the warning notification plan. [LDC 3-5(a)(11)].

- ONE MINUTE BEFORE BLAST, THREE SHORT HORNS AND THEN THE BLAST.
- AFTER WE SHOOT, ONE 10 SECOND "ALL CLEAR" HORN WILL SOUND.

12. Permission and Authorization to blast. [LDC 3-5(a)(12)].

Attach a letter of permission and authorization signed by the property owner and acknowledged before a notary allowing the proposed blasting activity in accordance with the information provided in this application.

✓ Attached

13. Letters of approval or no objection from designated entities. [LDC 3-5(a)(13)].

*Note: The approval letter may impose conditions on the blasting activity that are intended to preserve and protect structures for which the entity is responsible*

A written letter of approval, no objection, is required from each entity holding franchise rights within 3,000 feet of proposed blasting site.

Lee County Department of Transportation NA  
Lee County Port Authority: NA  
Lee County Utilities Attached  
Other Utility Entity: LEEC

14. Other information deemed necessary or appropriate by the Director or Board. [LDC 3-5(a)(14)].

- a. pre-blast assessment, prepared by a geotechnical engineer or other blasting professional, which assesses the geology of the blast site and surrounding area out to 3,000 feet and the potential for damage to structures and facilities within 3,000 feet of the blast site;
- b. pre-blast inspection of structures and facilities located near the proposed blast location. (Including video taping of structures);
- c. bond to protect County facilities;
- d. hydrological study
- e. geological study; and
- f. test wells.

15. Fees. [LDC 3-5(b) and 3-6]

Application fee \$ 350

Blast inspection fees

16. Compliance with the provisions of LDC Chapter 3.

All development blasting activity occurring within unincorporated Lee county is required to comply with the provisions of Lee County Land Development Code Chapter 3. By initialing the following statements and signing this application the Applicant/ User, Developer, Property Owner, Blaster, Seismograph Operator, Blast survey Professional (these six persons being collectively represented by the authorized User) and the Blast Engineer state they have read, understand and agree to comply with the regulations applicable to issuance of a Lee County development blasting permit.

User    Engineer

OC    #

A. Escrow Agreement. [LDC 3-5(c) and 3-7] Prior to issuance of the blasting permit, the applicant must deliver an executed escrow agreement, acceptable to the County Attorney's Office and fully funded with cash in the amount of \$50,000.

OC    #

B. Pre-blast condition survey. [LDC 3-16(a) and (b)]. A copy, including color copies of all photos, must be provided to the owner of the structure or facility surveyed and Lee County Code Enforcement prior to the detonation of any blasts allowed under the permit.

OC    #

C. Post-blast condition survey. [LDC 3-16(c) and 3-19] A copy, including color copies of all photos, must be provided to owner of the structure or facility surveyed and Lee County Code Enforcement upon completion, but no later than 10 days after the physical survey date.

OC    #

D. County Inspection. [LDC 3-14]. Lee County Code Enforcement must be provided written notice 24 hours or more, prior to any detonation of explosives. The Applicant and Engineer Contractor also understand a county inspector must be present on all sites prior to detonation. The fee for this inspection is a minimum of \$200 per blast.

OC    #

E. Notice to Fire District. [LDC 3-14] The user must provide notice to the effected Fire District 24 hours prior to every detonation of explosives.

OC #

F. Permit Conditions. [LDC 3-10]. I have read and understand the standard permit conditions contained in LDC 3-10.

OC #

G. Record Keeping. [LDC 3-13]. I have read and understand the record keeping provisions found in LDC 3-13.

OC #

H. Vibration Monitoring. [LDC 3-15]. I have read and understand the blast vibration monitoring requirements stated in LDC 3-15;

OC #

I. Notice and Warning. [LDC 3-14, 3-18] I have read and understand the notice requirements applicable to blast activity set forth in LDC 3-18.

OC #

J. Complaints. [LDC 3-19]. I agree to address and handle all blasting complaints received in accordance with the provisions found in LDC 3-19.

OC #

K. Violations [LDC 3-20]. I have read and understand the penalty provisions contained in LDC 3-20.

OC #

L. I agree to abide by the provisions of LDC Chapter 3.

OC #

M. I understand that execution of this application constitutes an affirmation that the information provided is true and correct.

OC #

N. I understand that any misrepresentations or failure to comply with the provisions of Lee County Development Blasting Regulations as set forth in LDC Chapter 3 may result in the revocation or suspension of a permit issued as a result of submitting this application.

State of Florida  
County of Lee

Under penalty of perjury, I declare that I have read the foregoing information and attachments are true to the best of my knowledge, belief and expertise.

[Signature]  
Witness

HOWARD KALISTY JR.  
Printed Name

[Signature]  
Witness

RORY A. SIMONS  
Printed Name

[Signature]  
User/Applicant

Subscribed and sworn to before me this 10 day of Aug, 2004.

[Signature]  
Notary Public

\_\_\_\_\_ Personally known or X Produced Identification

Type of Identification Produced FL Drivers License

My Commission Expires:



State of Florida  
County of Lee

Under penalty of perjury, I declare that I have read the foregoing information and attachments are true to the best of my knowledge, belief and expertise.

Marilyn P. Appleby  
Witness

Marilyn P. Appleby  
Printed Name

~~Blas Engineer~~

Vicki D. Amidon  
Witness

Vicki D. Amidon  
Printed Name

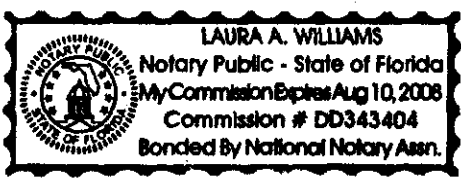
Subscribed and sworn to before me this 10th day of Aug., 2004.

Laura A. Williams  
Notary Public

Personally known or  Produced Identification

Type of Identification Produced \_\_\_\_\_

My Commission Expires:









TRAIL

License Holder Name: KARL J SHUEBROOK  
Firm Name: FLORIDA ENERGY SERVICES INC  
Address: 101 SE 12TH STREET  
CAPE CORAL FL 33990

**COPY**

-----  
Cut Here  
-----

MAIL ADDRESS AND/OR  
TELEPHONE # CHANGE TO:  
LEE COUNTY  
DEVELOPMENT SERVICES  
P.O. BOX 398  
FORT MYERS, FLORIDA 33902  
ATTENTION: CONTRACTOR LICENSING

LEE COUNTY  
CERTIFICATE OF COMPETENCY  
(239) 344-5895  
  
NAME: KARL J SHUEBROOK  
D/B/A FLORIDA ENERGY SERVICES INC  
LICENSED FOR: Blaster

COMP. NO.: SBL01227  
**NOT VALID AFTER: 09/30/2005**

\_\_\_\_\_  
Signature of License Holder

Conditions of Certificate  
Renewal due for active and inactive certificate each year in September.  
  
COMP. NO. shall appear on all advertisements including vehicles reflecting a business name.  
  
Shall only contract in DB/A name as it appears on certificate. Board of Approval required on business name changes.  
  
Shall maintain required insurances on active certificates.  
  
Shall inform the Contractor Licensing Office of any Address or telephone # change.

STATE OF FLORIDA  
 DEPARTMENT OF FINANCIAL SERVICES  
 DIVISION OF STATE FIRE MARSHAL  
 TALLAHASSEE, FLORIDA  
 STATE EXPLOSIVE BLASTERS PERMIT



ISSUED TO: KARL J SHUEBROOK  
 101 SE 12TH STREET  
 CAPE CORAL, FL 33990-

DOB: 07/23/1959 Height: 5'06"  
 Weight: 150 Hair: BAL  
 Eyes: BLU Sex: M Race: W

VALID ONLY WHILE EMPLOYED BY AND FOR PURPOSE AS DESCRIBED ON EMPLOYER'S LICENSE:

EMPLOYER: FLORIDA ENERGY SERVICES INC  
 155 SE HWY 19 STE G  
 CRYSTAL RIVER, FL 34429-

LICENSE #: 94960300012000  
 EMPLOYER: FLORIDA ENERGY SERVICES INC

Chief Financial Officer

10	01	2003	09	06	Lee	17517400042000	3714420004	50.00	09	30	2004
Issue Date			Type	Class	County	License/Permit Number	Application #	Taxes & Fees	Expire Date		

STATE OF FLORIDA  
 DEPARTMENT OF FINANCIAL SERVICES  
 DIVISION OF STATE FIRE MARSHAL  
 TALLAHASSEE, FLORIDA  
 STATE EXPLOSIVE LICENSE  
 USER OF EXPLOSIVES



ISSUED TO: DONALD E CONWAY  
 EMPLOYER: FLORIDA ENERGY SERVICES INC  
 255 SE HWY 19 STE 19  
 CRYSTAL RIVER, FL 34429-  
 PURPOSE: LIMEROCK MINING

DOB: 01/10/1937 Height: 6'02"  
 Weight: 185 Hair: BRO  
 Eyes: BRO Sex: M Race: W

TYPES OF EXPLOSIVES: BLASTING AGENTS, BLASTING CAPS, GELATIN DYNAMITES, OTHER, PRIMACORD

Chief Financial Officer

10	01	2004	07	06	Citrus	94310300012000	521316125	125.00	09	30	2005
Issue Date		Type	Class	County		License/Permit Number	Application #	Taxes & Fees	Expire Date		

STATE OF FLORIDA  
 DEPARTMENT OF FINANCIAL SERVICES  
 DIVISION OF STATE FIRE MARSHAL  
 TALLAHASSEE, FLORIDA  
 STATE EXPLOSIVE BLASTERS PERMIT



ISSUED TO: DONALD E CONWAY  
 203 S SAN PEDRO  
 CLEWISTON,, FL 33440-

DOB: 01/10/1937 Height: 6'02"  
 Weight: 185 Hair: BRO  
 Eyes: BRO Sex: M Race: W

VALID ONLY WHILE EMPLOYED BY AND FOR PURPOSE AS DESCRIBED ON EMPLOYER'S LICENSE:

EMPLOYER: FLORIDA ENERGY SERVICES INC  
 255 SE HWY 19 STE 19  
 CRYSTAL RIVER, FL 34429-

LICENSE #: 94310300012000

*Tom Gallagher*

Chief Financial Officer

10	01	2004	09	06	Hendry	05459000012000	5213160002	50.00	09	30	2005
Issue Date		Type	Class	County		License/Permit Number	Application #	Taxes & Fees	Expire Date		



BOARD OF COUNTY COMMISSIONERS

Writer's Direct Dial Number: 239-479-5939

Bob Janes  
District One

Douglas R. St. Cerny  
District Two

Ray Judah  
District Three

Andrew W. Coy  
District Four

John E. Albion  
District Five

Donald D. Stilwell  
County Manager

James G. Yeager  
County Attorney

Diana M. Parker  
County Hearing  
Examiner

July 21, 2004

DANA HUME  
JOHNSON ENGINEERING, INC.  
2158 JOHNSON STREET  
FORT MYERS, FL 33901

RE: HERON'S GLEN- PHASE II  
DOS2004-00023 - DO Submittal Large  
PO1 Appl (paperwrk1 DO resub)

Dear DANA HUME :

Your plans for the above-referenced project have been reviewed and approved for Concurrency and a Development Order with stipulation(s). Concurrency and the Development Order are granted for the following:

Construction of an 18 hole golf course on 101.4 acres with the excavation of 61.4 +/- acres of lakes (19.1 acres as part of the Golf Course, 42.3 +/- acres as part of the adjacent future residential development.

Concurrency Certificate No. CNC2004-00265

THIS CERTIFICATE OF CONCURRENCY SHALL BE VALID AND EFFECTIVE UNTIL 7/21/2007. DURING THE NEXT THREE (3) YEARS, the Development Services Division is authorized to issue building permits for the construction of the building(s) indicated above without further review of the Concurrency requirements by the Division. Upon expiration of the Concurrency Certificate, the project will be subject to the concurrency program in effect at the time of expiration. No vested right to a Concurrency Certificate will exist solely due to the existence of an otherwise effective Development Order.

THIS DEVELOPMENT ORDER WILL BE VALID FOR A PERIOD OF SIX (6) YEARS AND IS SCHEDULED TO EXPIRE ON 7/21/2010.

Approval is subject to the following stipulation(s) and/or comment(s):

**Engineering/General Checklist**

13) CLEAN WATER REQUIREMENT for projects one acre and larger. File a Notice of Intent (NOI) with the DEP and Development Services at least 48 hours prior to the start of construction. (14-476(b)(1)(c))

Stipulation

**Utilities Short Checklist**

*2) Miscellaneous Items.*

Please contact Thom Osterhout @ 479-8165 to coordinate all stormwater sewer system construction within the 20' wide LCU easement for the existing 12" water main.

**LC Environmental Sciences Checklist (Ord. 03-16)**

*2a) Flagging of Wetland Areas. Wetland areas are required to be flagged by the applicant and verified by DES staff.*

STIP: All wetland areas and wetland buffers are to be flagged and inspected prior to site work.

*47) Miscellaneous Items.*

STIP: Prior to issuance of a Vegetation Removal Permit, written verification from the FWC must be submitted to ES staff that all outstanding RCW issues have been addressed. ES staff spoke with Jim Beaver of FWC on June 3, 2004 and was told that no additional clearing permits should be issued until these issues were resolved.

*48) Contact. The reviewer may be contacted for additional information regarding this Environmental Sciences checklist.*

Please contact Alaina Ray at 239-479-8323 for questions concerning Environmental Review.

If you have any questions concerning this matter, please contact this office.

Sincerely,

DEPARTMENT OF COMMUNITY DEVELOPMENT  
Development Services Division



Peter J. Eckenrode  
Development Services Director

PJE / RSM

Attachment: One set of drawings.

# LEE COUNTY

## LETTER OF AUTHORIZATION

**TO: LEE COUNTY DEPARTMENT OF COMMUNITY DEVELOPMENT,  
DEVELOPMENT SERVICES DIVISION**

**RE: Development Blasting Permit Application  
Herons Glen Phase II  
DOS2004-00023:**

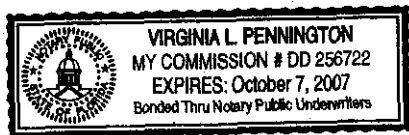
As the owner of the property subject to the referenced Development Blasting Permit Application indicated above, I hereby give my permission and authorize Rory Simons of Florida Energy Services Inc. to file the referenced permit application for the project.

Coolidge-Ft. Myers Realty LP  
A Florida Limited Partnership  
By: Coolidge-Valencia Corp., a Delaware Corporation,  
Its sole general partner

  
Doug Cordello, V.P.

STATE OF FLORIDA  
COUNTY OF LEE

Sworn to and subscribed before me this 10<sup>th</sup> day of August 2004, by Doug  
Cordello, V.P. who is personally known to me.



  
Notary Public

Virginia Pennington  
Printed Name



# LEE COUNTY

## LETTER OF AUTHORIZATION

**TO: LEE COUNTY DEPARTMENT OF COMMUNITY DEVELOPMENT,  
DEVELOPMENT SERVICES DIVISION**

**RE: Development Blasting Permit Application  
Herons Glen Phase II  
DOS2004-00023:**

As the owner of the property subject to the referenced Development Blasting Permit Application indicated above, I hereby give my permission and authorize Rory Simons of Florida Energy Services Inc. to file the referenced permit application for the project.

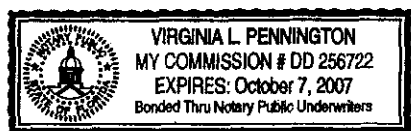
CFM Community Development District  
A F.S. Chapter 190 District  
Serving Herons Glen Phase II



Leslie D. Alderman – Chairman, Board of Supervisors

STATE OF FLORIDA  
COUNTY OF LEE

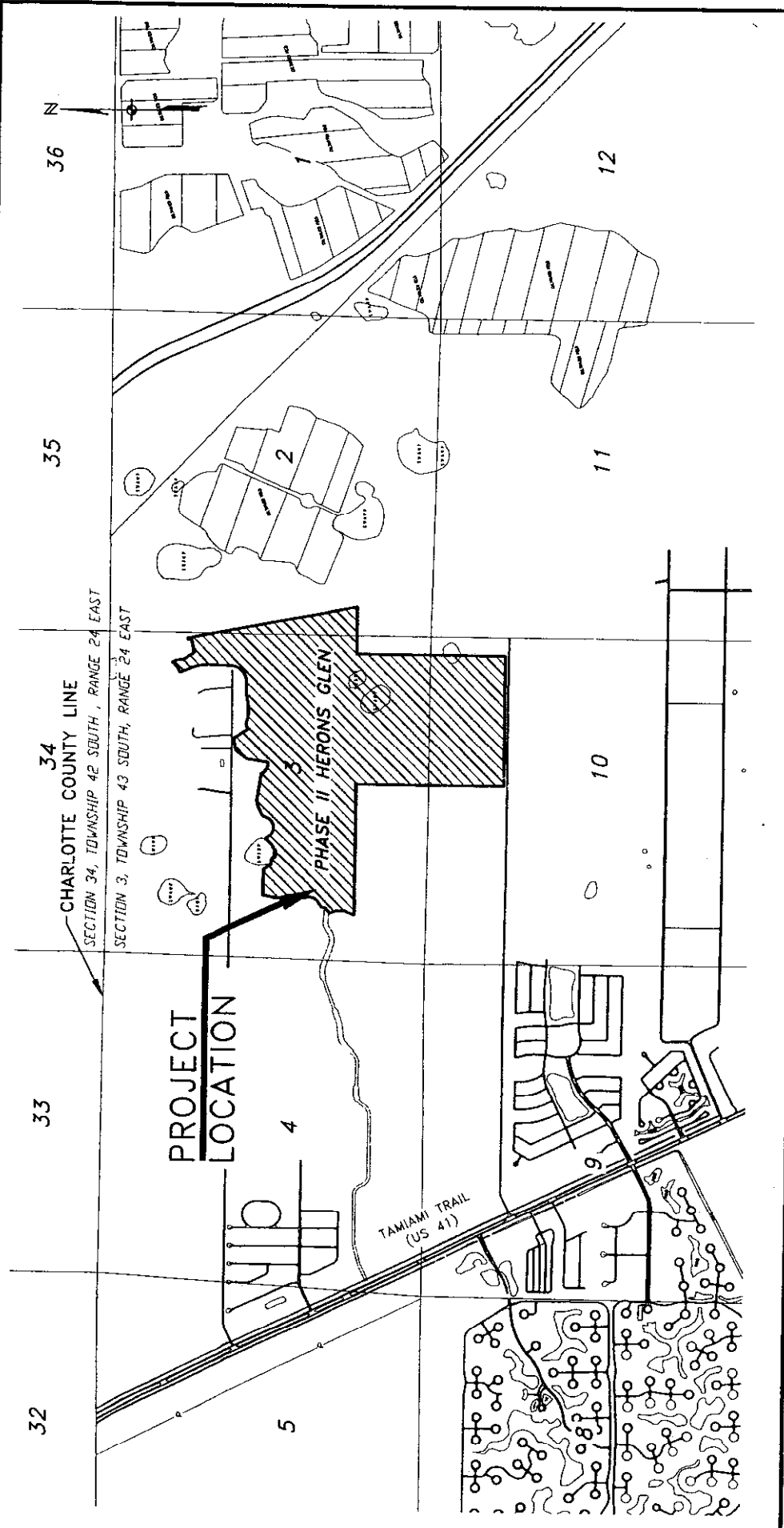
Sworn to and subscribed before me this 10<sup>th</sup> day of August 2004, by  
Leslie D. Alderman-Chairman, Board of Supervisors who is personally  
known to me.



Virginia Pennington  
Notary Public

Virginia Pennington  
Printed Name

S:\03925\03923-e-entl-SKETCH-REV.dwg (POINT LOCATION MAP) JHS May 05, 2004 - 10:01am



A PARCEL OR TRACT OF LAND LYING IN  
 SECTIONS 2, 3 & 4, TOWNSHIP 43 SOUTH, RANGE 24 EAST  
 LEE COUNTY, FLORIDA

**JOHNSON**  
 ENGINEERING

2158 JOHNSON STREET  
 P.O. BOX 1550  
 FORT MYERS, FLORIDA 33902-1550  
 PHONE (239) 334-0046  
 FAX (239) 334-3661  
 E.B. #642 & L.B. #642

DATE	PROJECT NO.	FILE NO.	SCALE	SHEET
05/5/2004	20033923	3-43-24	AS SHOWN	1 OF 9

SKETCH  
 TO ACCOMPANY DESCRIPTION  
 PHASE II HERONS GLEN BOUNDARY

May 5, 2004

**DESCRIPTION****PHASE II HERONS GLEN  
LYING IN  
SECTIONS 2, 3 & 10, TOWNSHIP 43 SOUTH, RANGE 24 EAST  
LEE COUNTY, FLORIDA**

A parcel of land lying in Sections 2, 3 & 10 Township 43 South, Range 24 East, Lee County, Florida, being more Particularly described as follows:

Commencing at the SE Corner Tract "A" (Avenida Del Vera Boulevard), Herons Glen Unit Seven, as recorded in Plat Book 67, Pages 11 to 14, Lee County, Florida; run South 88°43'12" East, a distance of 2301.38 to the POINT OF BEGINNING. From said point being the POINT OF BEGINNING; thence run North 01°18'00" East for a distance of 322.51 feet to the point of intersection with a non-tangent curve; thence run northerly along an arc of a curve to the left of radius 626.45 feet (delta 21°48'54") (chord bearing North 10°53'27" West) (chord 237.08 feet) for a distance of 238.52 feet; thence North 22°09'39" West for a distance of 241.36 feet to the point of intersection with a non-tangent curve; thence run northeasterly along an arc of a curve to the left of radius 318.84 feet (delta 37°32'03") (chord bearing North 54°41'16" East) (chord 205.16 feet) for a distance of 208.87 feet; thence South 35°54'37" East for a distance of 64.40 feet to the point of intersection with a non-tangent curve; thence run southerly along an arc of a curve to the right of radius 30.00 feet (delta 34°25'50") (chord bearing South 18°42'16" East) (chord 17.76 feet) for a distance of 18.03 feet; thence South 01°29'21" East for a distance of 85.30 feet to a point of curvature; thence run southerly along an arc of a curve to the left of radius 50.00 feet (delta 31°01'58") (chord bearing South 17°00'20" East) (chord 26.75 feet) for a distance of 27.08 feet; thence South 32°31'19" East for a distance of 204.93 feet; thence North 78°48'59" East for a distance of 229.26 feet; thence North 11°10'22" West for a distance of 58.69 feet; thence North 78°48'58" East for a distance of 24.99 feet to the westerly right-of-way line of S.A.L. Railroad; thence run along said right-of-way South 11°11'02" East for a distance of 2,852.64 feet; thence departing said right-of way run thence South 89°48'47" West for a distance of 775.85 feet; thence South 00°02'36" West for a distance of 2,460.47 feet to north right-of-way line of Nalle Grade Road; thence run along said right-of-way line North 89°56'45" West for a distance of 2,153.08 feet; thence depart said right-of-way line North 00°02'36" East for a distance of 2,451.41 feet; thence South 89°48'47" West for a distance of 2,176.17 feet; thence North 21°29'30" East for a distance of 16.17 feet; thence North 20°11'05" East for a distance of 116.99 feet; thence North 55°04'22" East for a distance of 22.62 feet; thence North 02°14'29" East for a distance of 32.14 feet; thence North 01°45'13" West, for a distance of 136.16 feet; thence North 20°24'10" West for a distance of 46.31 feet; thence North 21°17'50" West for a distance of 61.02 feet; thence North 47°32'32" East for a distance of 22.07 feet to a point on the southerly right-of-way line of Herons Glen Boulevard; thence continue North 47°32'32" East for a distance of 109.08 feet; thence North 00°45'59" East for a distance of 50.09 feet; thence North 53°28'04" East for a distance of 51.92 feet; thence North 42°34'32" East for a distance of 31.12 feet; thence North 65°57'14" East for a distance of 25.95 feet; thence North 56°48'11" East for a distance of 30.77 feet; thence North 38°21'41" East for a distance of 39.28 feet; thence North 22°57'58" East for a distance of 17.65 feet; thence North 19°28'05" East for a distance of 39.33 feet; thence North 16°37'39" East for a distance of 21.73 feet; thence North 01°03'08" West for a distance of 25.68 feet; thence North 09°30'38" West for a distance of 42.28 feet; thence North 03°12'53" West for a distance of 28.77 feet; thence North 02°39'46" West for a distance 39.52 feet; thence North 12°50'11" East for a distance of 30.99 feet; thence North 02°13'10" East for a distance 43.22 feet; thence North 03°01'13" East for a distance of 52.10 feet; thence North 11°51'03" East for a distance of 49.43 feet; thence North 14°22'46" East for a distance of 65.72 feet; thence North 24°55'11" West for a distance of 27.01 feet; thence North 26°07'05" West for a distance of 42.07 feet; thence North 16°05'46" West for a distance of 47.87 feet; thence North 05°29'15" West for a distance of 39.33 feet; thence North 02°18'56" East for a distance of 34.71 feet; thence North 03°39'43" East for a distance of 36.85 feet; thence North 12°25'52" East, for a distance of 186.13 feet; thence North 89°48'47" East for a distance of 426.86 feet; thence South 37°19'10" East for a distance of 33.46 feet;

thence South 27°46'19" East for a distance of 27.21 feet; thence South 33°37'11" East for a distance of 31.57 feet; thence South 33°26'35" East for a distance of 39.02 feet; thence South 82°12'14" East for a distance of 46.24 feet; thence North 85°48'20" East for a distance of 23.30 feet; thence South 31°28'53" East for a distance of 26.25 feet; thence South 76°26'34" East for a distance of 36.24 feet; thence South 29°36'30" East for a distance of 38.38 feet; thence South 73°21'49" East for a distance of 23.47 feet; thence North 72°54'37" East for a distance of 61.00 feet; thence South 60°32'37" East for a distance of 40.16 feet; thence North 58°22'32" East for a distance of 33.19 feet; thence North 35°45'23" East for a distance of 38.87 feet; thence South 88°02'08" East for a distance of 25.10 feet; thence North 49°59'51" East for a distance of 46.63 feet; thence North 47°06'01" East for a distance of 35.44 feet; thence North 40°23'30" East for a distance of 17.57 feet; thence North 52°16'49" East for a distance of 38.47 feet; thence North 19°07'23" East for a distance of 17.96 feet; thence South 67°51'09" East for a distance of 35.87 feet to a point along the boundary of Lot 964, Herons Glen Unit Nine, as recorded in Plat Book 69, Pages 1 and 2, Lee County, Florida; said point also being the point of intersection with a non-tangent curve; thence run easterly along said boundary of Herons Glen Unit Nine; thence run easterly along an arc of said curve to the left of radius 180.40 feet (delta 141°33'18") (chord bearing North 84°25'28" East) (chord 340.68 feet) for a distance of 445.69 feet to the point of intersection with a non-tangent curve; thence run northeasterly along an arc of a curve to the right of radius 80.00 feet (delta 51°57'49") (chord bearing North 39°15'50" East) (chord 70.09 feet) for a distance of 72.55 feet; thence North 65°14'50" East for a distance of 136.05 feet to the point of intersection with a non-tangent curve; thence run easterly along an arc of a curve to the right of radius 235.00 feet (delta 33°58'15") (chord bearing North 82°14'00" East) (chord 137.30 feet) for a distance of 139.33 feet; thence South 80°46'51" East for a distance of 409.78 feet to the point of intersection with a non-tangent curve; thence run southeasterly along an arc of a curve to the left of radius 185.00 feet (delta 70°48'41") (chord bearing South 62°40'10" East) (chord 214.36 feet) for a distance of 228.64 feet; thence North 09°13'13" East for a distance of 341.69 feet; thence departing said boundary of Herons Glen Unit Nine, run North 35°57'58" East for a distance of 210.01 feet; thence North 49°55'42" East for a distance of 35.71 feet to the point of intersection with a non-tangent curve; thence run easterly along an arc of a curve to the right of radius 6,006.54 feet (delta 01°17'44") (chord bearing North 78°21'04" East) (chord 135.83 feet) for a distance of 135.83 feet; thence South 88°01'24" East for a distance of 65.58 feet; thence South 32°47'44" East for a distance of 119.22 feet; thence South 37°25'53" East, for a distance of 36.70 feet; thence South 32°47'44" East for a distance of 119.20 feet; thence North 57°12'16" East for a distance of 32.74 feet to a point of curvature; thence run easterly along an arc of a curve to the right of radius 95.00 feet (delta 51°24'46") (chord bearing North 82°54'39" East) (chord 82.41 feet) for a distance of 85.25 feet to a point of reverse curvature; thence run easterly along an arc of a curve to the left of radius 637.50 feet (delta 29°33'08") (chord bearing South 86°09'32" East) (chord 325.18 feet) for a distance of 328.81 feet; thence North 79°03'53" East for a distance of 120.42 feet to a point of curvature; thence run easterly along an arc of a curve to the right of radius 262.50 feet (delta 10°53'07") (chord bearing North 84°30'26" East) (chord 49.80 feet) for a distance of 49.87 feet; thence North 89°57'00" East for a distance of 174.29 feet to a point of curvature; thence run northeasterly along an arc of a curve to the left of radius 262.50 feet (delta 88°51'38") (chord bearing North 45°31'11" East) (chord 367.52 feet) for a distance of 407.11 feet; thence run North 01°18'00" East for a distance of 85.67 feet to the POINT OF BEGINNING.

Containing 13,695,751 square feet or 314.411 acres, more or less.

Bearings shown hereon are State Plane Coordinate for the West Zone of Florida (NAD 83/90 adjustment) and are based on the East line of Section 3, Township 43 South, Range 24 East to bear South 00°30'35" West.



MICHAEL A. WARD (FOR THE FIRM LB-642)  
PROFESSIONAL SURVEYOR AND MAPPER FLORIDA  
CERTIFICATE NO. 5301

DATE SIGNED: 5/5/09  
NOT VALID WITHOUT THE SIGNATURE AND THE  
ORIGINAL RAISED SEAL OF A FLORIDA LICENSED  
SURVEYOR AND MAPPER.

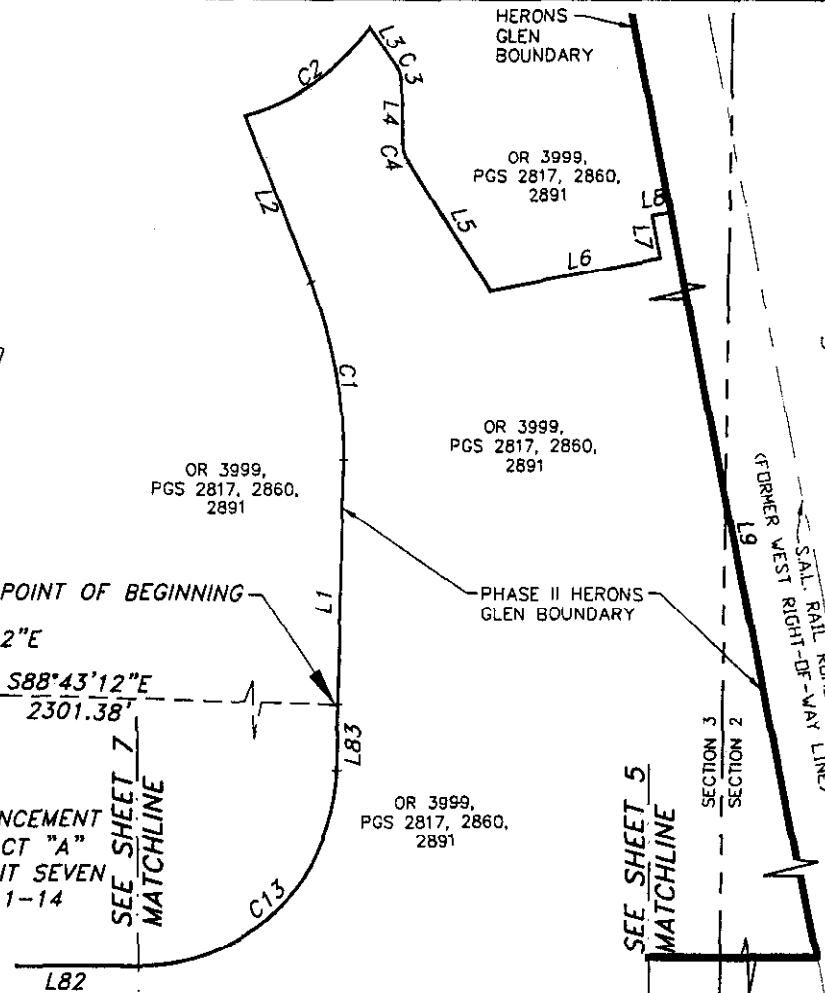
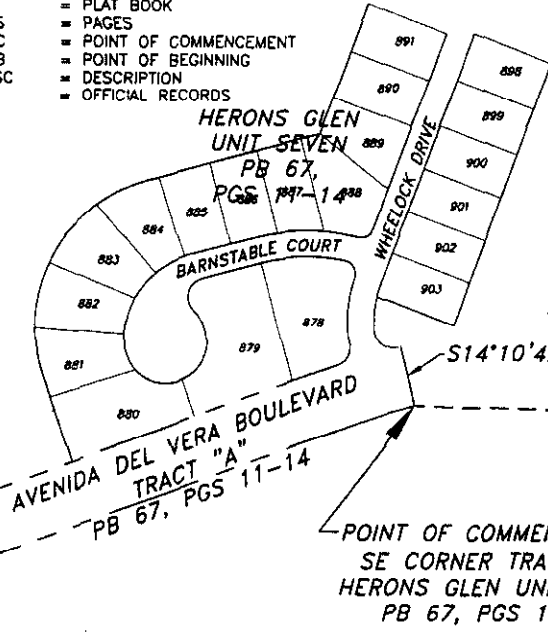
**NOTES:**

1. BEARINGS SHOWN HEREON ARE STATE PLANE COORDINATE FOR THE WEST ZONE OF FLORIDA (NAD 83/90 ADJUSTMENT) AND ARE BASED ON THE EAST LINE OF SECTION 3 TO BEAR SOUTH 00°30'35" WEST.
2. THIS SKETCH DOES NOT MAKE ANY REPRESENTATION AS TO ZONING OR DEVELOPMENT RESTRICTIONS ON THE SUBJECT PARCEL.
3. PARCEL CONTAINS 314.411 ACRES MORE OR LESS.

**LEGEND:**

- C = CURVE
- L = LINE
- PB = PLAT BOOK
- PGS = PAGES
- POC = POINT OF COMMENCEMENT
- POB = POINT OF BEGINNING
- DESC = DESCRIPTION
- OR = OFFICIAL RECORDS

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THIS IS NOT A SURVEY

*Michael A. Ward*  
 MICHAEL A. WARD (FOR THE FIRM LB-642)  
 PROFESSIONAL SURVEYOR AND MAPPER  
 FLORIDA CERTIFICATE NO. 5301

DATE SIGNED: 5/5/04  
 NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.

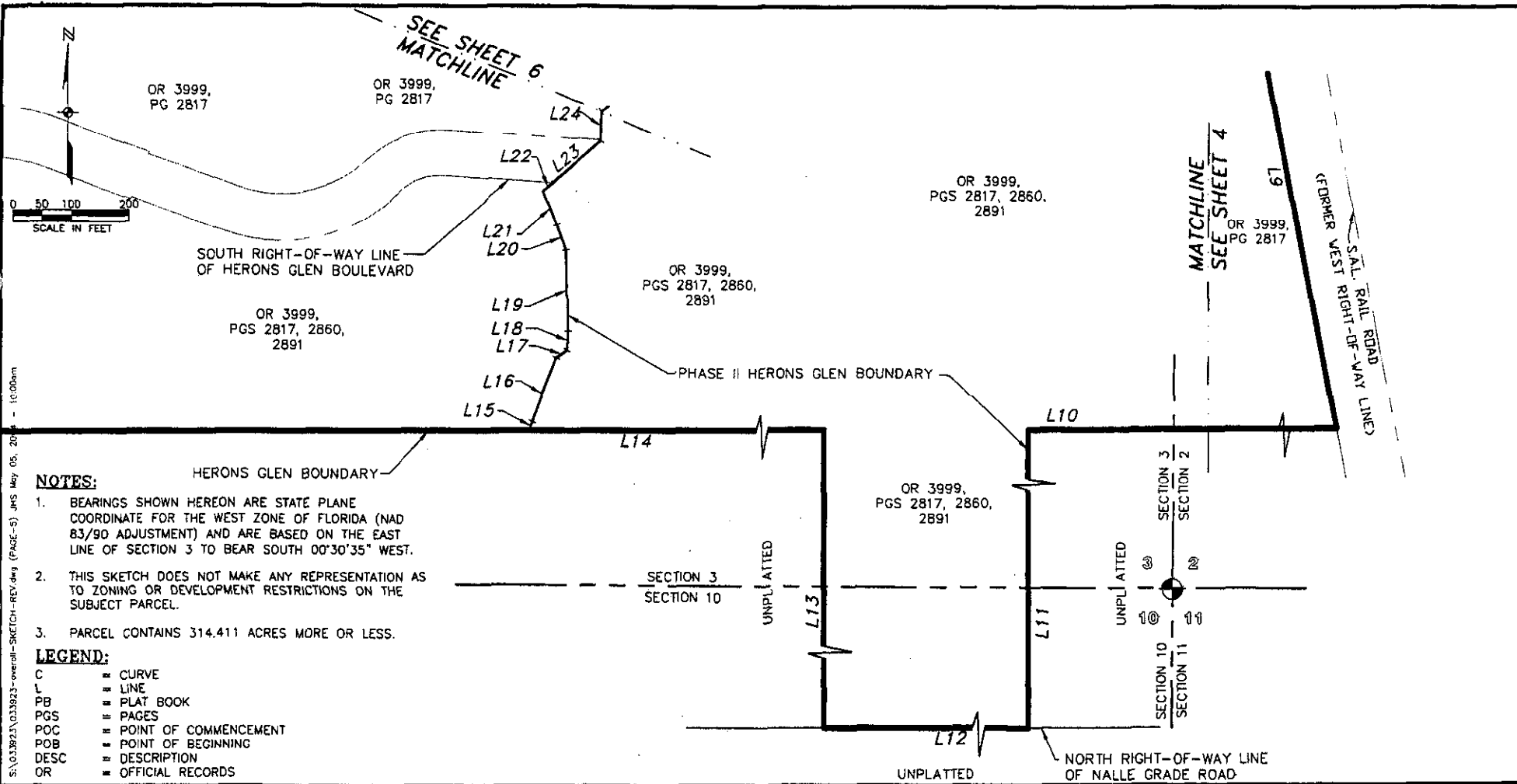
A PARCEL OR TRACT OF LAND LYING IN SECTIONS 2,3 & 4, TOWNSHIP 43 SOUTH, RANGE 24 EAST LEE COUNTY, FLORIDA



215B JOHNSON STREET  
 P.O. BOX 1550  
 FORT MYERS, FLORIDA 33902-1550  
 PHONE (239) 334-0046  
 FAX (239) 334-3661  
 E.B. #642 & L.B. #642

SKETCH  
 TO ACCOMPANY DESCRIPTION  
 PHASE II HERONS GLEN BOUNDARY

DATE	PROJECT NO.	FILE NO.	SCALE	SHEET
05/5/2004	20033923	3-43-24	AS SHOWN	4 OF 9



**NOTES:**

1. BEARINGS SHOWN HEREON ARE STATE PLANE COORDINATE FOR THE WEST ZONE OF FLORIDA (NAD 83/90 ADJUSTMENT) AND ARE BASED ON THE EAST LINE OF SECTION 3 TO BEAR SOUTH 00°30'35" WEST.
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A PARCEL OR TRACT OF LAND LYING IN SECTIONS 2,3 & 4, TOWNSHIP 43 SOUTH, RANGE 24 EAST LEE COUNTY, FLORIDA

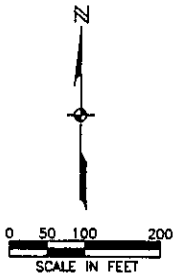


2158 JOHNSON STREET  
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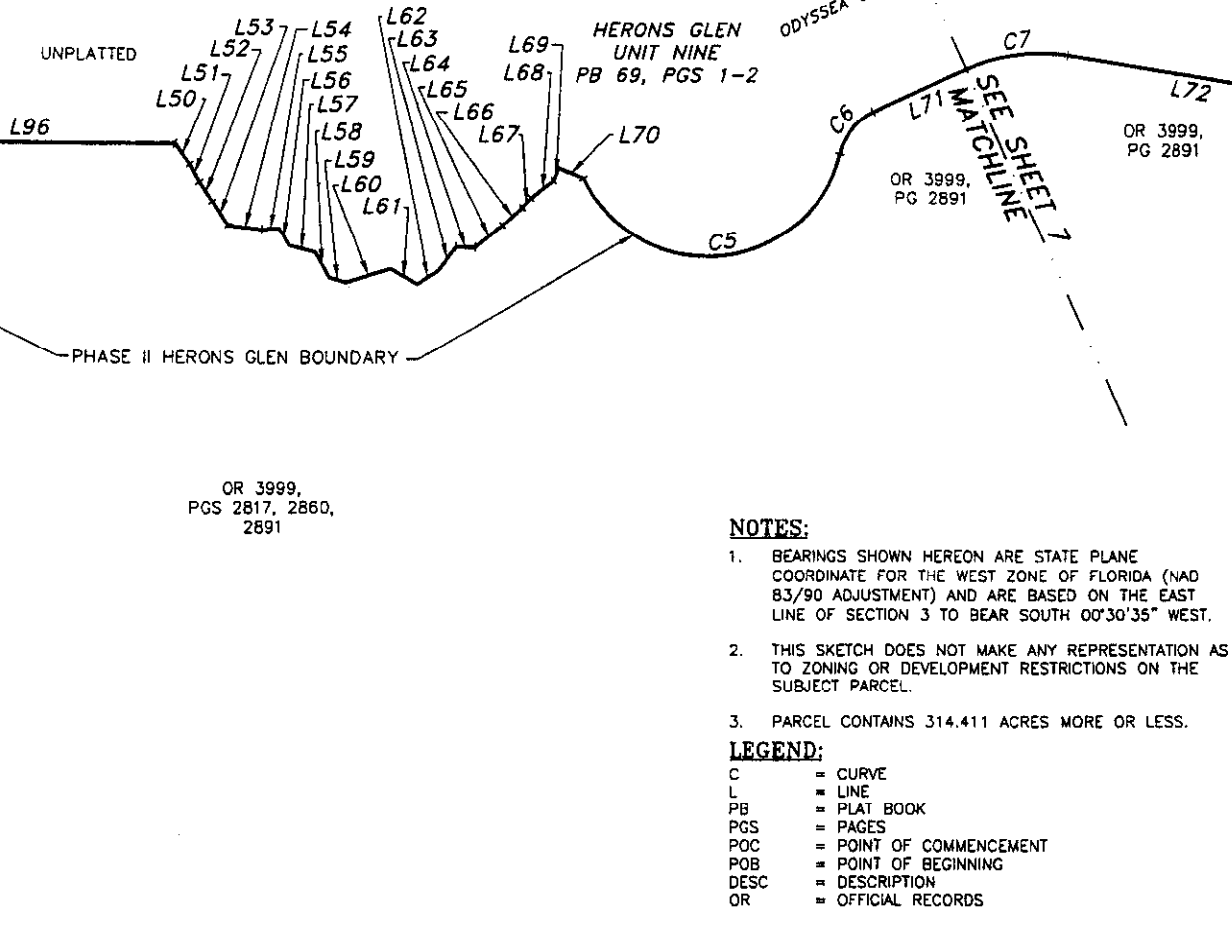
**SKETCH TO ACCOMPANY DESCRIPTION PHASE II HERONS GLEN BOUNDARY**

DATE	PROJECT NO.	FILE NO.	SCALE	SHEET
05/5/2004	20033923	3-43-24	AS SHOWN	5 OF 9

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UNPLATTED



**NOTES:**

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A PARCEL OR TRACT OF LAND LYING IN SECTIONS 2,3 & 4, TOWNSHIP 43 SOUTH, RANGE 24 EAST LEE COUNTY, FLORIDA

**JOHNSON ENGINEERING**

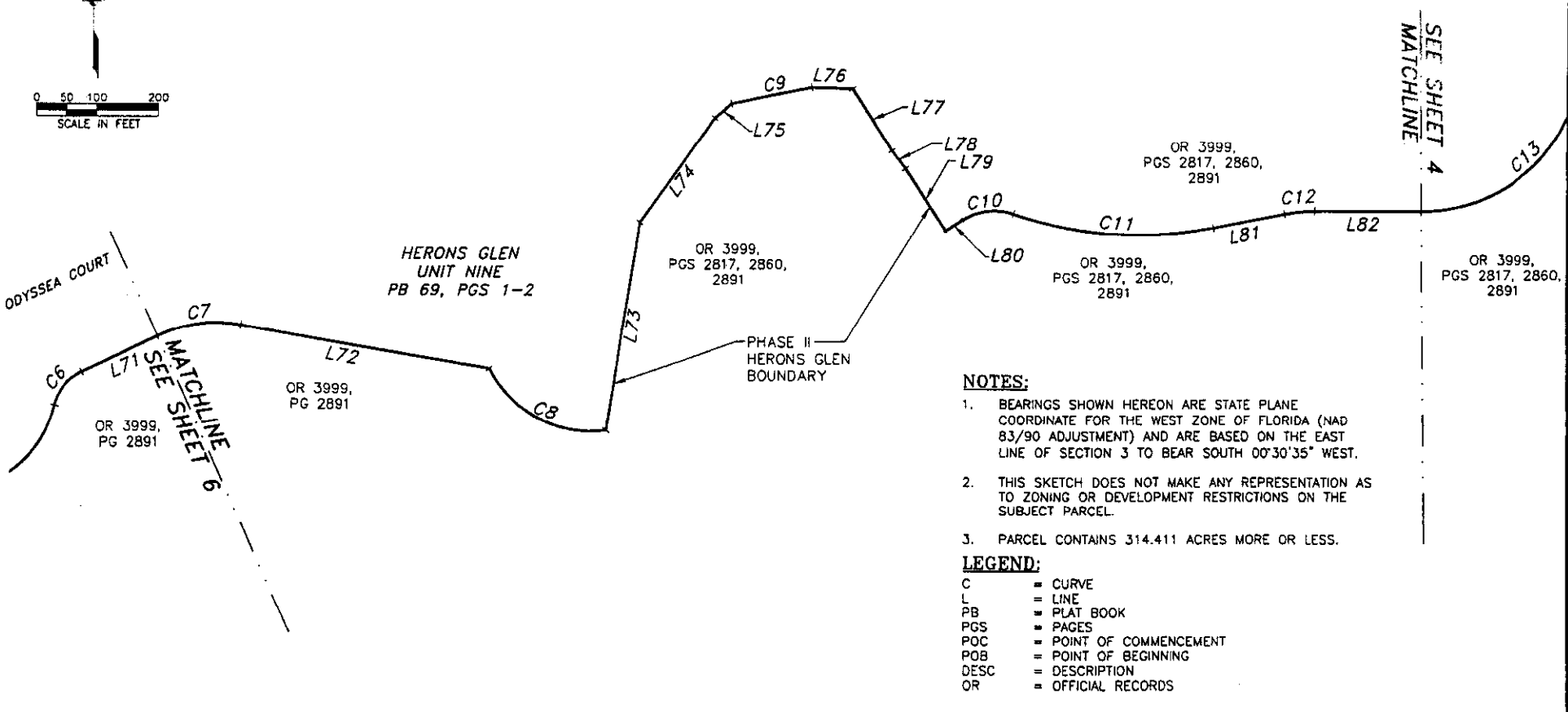
2158 JOHNSON STREET  
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FORT MYERS, FLORIDA 33902-1550  
PHONE (239) 334-0046  
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SKETCH TO ACCOMPANY DESCRIPTION PHASE II HERONS GLEN BOUNDARY

DATE	PROJECT NO.	FILE NO.	SCALE	SHEET
05/5/2004	20033923	3-43-24	AS SHOWN	6 OF 9



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HERONS GLEN  
UNIT NINE  
PB 69, PGS 1-2

OR 3999,  
PGS 2817, 2860,  
2891

PHASE II  
HERONS GLEN  
BOUNDARY

OR 3999,  
PGS 2817, 2860,  
2891

OR 3999,  
PGS 2817, 2860,  
2891

OR 3999,  
PGS 2817, 2860,  
2891

**NOTES:**

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A PARCEL OR TRACT OF LAND LYING IN  
SECTIONS 2,3 & 4, TOWNSHIP 43 SOUTH, RANGE 24 EAST  
LEE COUNTY, FLORIDA

**JOHNSON**  
**ENGINEERING**

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SKETCH  
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5/5/2004	20033923	3-43-24	AS SHOWN	7 OF 9



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LINE TABLE		
LINE	LENGTH	BEARING
L1	322.51	N01°18'00"E
L2	241.36	N22°09'39"W
L3	64.40	S35°54'37"E
L4	85.30	S01°29'21"E
L5	204.93	S32°31'19"E
L6	229.26	N78°48'59"E
L7	58.69	N11°10'22"W
L8	24.99	N78°48'58"E
L9	2852.64	S11°11'02"E
L10	775.85	S89°48'47"W
L11	2460.47	S00°02'36"W
L12	2153.08	N89°56'45"W
L13	2451.41	N00°02'36"E
L14	2176.17	S89°48'47"W
L15	16.17	N21°29'30"E
L16	116.99	N20°11'05"E
L17	22.62	N55°04'22"E
L18	32.14	N02°14'29"E
L19	136.16	N01°45'13"W
L20	46.31	N20°24'10"W
L21	61.02	N21°17'50"W

LINE TABLE		
LINE	LENGTH	BEARING
L22	22.07	N47°32'32"E
L23	109.08	N47°32'32"E
L24	50.09	N00°45'59"E
L25	51.92	N53°28'04"E
L26	31.12	N42°34'32"E
L27	25.95	N65°57'14"E
L28	30.77	N56°48'11"E
L29	39.28	N38°21'41"E
L30	17.65	N22°57'58"E
L31	39.33	N19°28'05"E
L32	21.73	N16°37'39"E
L33	25.68	N01°03'08"W
L34	42.28	N09°30'38"W
L35	28.77	N03°12'53"W
L36	39.52	N02°39'46"W
L37	30.99	N12°50'11"E
L38	43.22	N02°13'10"E
L39	52.10	N03°01'13"E
L40	49.43	N11°51'03"E
L41	65.72	N14°22'46"E
L42	27.01	N24°55'11"W

LINE TABLE		
LINE	LENGTH	BEARING
L43	42.07	N26°07'05"W
L44	47.87	N16°05'46"W
L45	39.33	N05°29'15"W
L46	34.71	N02°18'56"E
L47	36.85	N03°39'43"E
L48	186.13	N12°25'52"E
L49	426.86	N89°48'47"E
L50	33.46	S37°19'10"E
L51	27.21	S27°46'19"E
L52	31.57	S33°37'11"E
L53	39.02	S33°26'35"E
L54	46.24	S82°12'14"E
L55	23.30	N85°48'20"E
L56	26.25	S31°28'53"E
L57	36.24	S76°26'34"E
L58	38.38	S29°36'30"E
L59	23.47	S73°21'49"E
L60	61.00	N72°54'37"E
L61	40.16	S60°32'37"E
L62	33.19	N58°22'32"E
L63	38.87	N35°45'23"E

LINE TABLE		
LINE	LENGTH	BEARING
L64	25.10	S88°02'08"E
L65	46.63	N49°59'51"E
L66	35.44	N47°06'01"E
L67	17.57	N40°23'30"E
L68	38.47	N52°16'49"E
L69	17.96	N19°07'23"E
L70	35.87	S67°51'09"E
L71	136.05	N65°14'50"E
L72	409.78	S80°46'51"E
L73	341.69	N09°13'13"E
L74	210.01	N35°57'58"E
L75	35.71	N49°55'42"E
L76	65.58	S88°01'24"E
L77	119.22	S32°47'44"E
L78	36.70	S37°25'53"E
L79	119.20	S32°47'44"E
L80	32.74	N57°12'16"E
L81	120.42	N79°03'53"E
L82	174.29	N89°57'00"E
L83	85.67	N01°18'00"E

**NOTES:**

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- THIS SKETCH DOES NOT MAKE ANY REPRESENTATION AS TO ZONING OR DEVELOPMENT RESTRICTIONS ON THE SUBJECT PARCEL.
- PARCEL CONTAINS 314.411 ACRES MORE OR LESS.

**LEGEND:**

- C = CURVE
- L = LINE
- PB = PLAT BOOK
- PGS = PAGES
- POC = POINT OF COMMENCEMENT
- POB = POINT OF BEGINNING
- DESC = DESCRIPTION
- OR = OFFICIAL RECORDS

A PARCEL OR TRACT OF LAND LYING IN SECTIONS 2,3 & 4, TOWNSHIP 43 SOUTH, RANGE 24 EAST LEE COUNTY, FLORIDA



2158 JOHNSON STREET  
P.O. BOX 1550  
FORT MYERS, FLORIDA 33902-1550  
PHONE (239) 334-0046  
FAX (239) 334-3661  
E.B. #642 & L.B. #642

SKETCH  
TO ACCOMPANY DESCRIPTION  
PHASE II HERONS GLEN BOUNDARY

DATE	PROJECT NO.	FILE NO.	SCALE	SHEET
5/5/2004	20033923	J-43-24	AS SHOWN	8 OF 9

S:\033923\033923-overall-sketch-REV.dwg (PAGE-9) (CURVE TABLE) JHS May 05, 2004 - 10:01am

CURVE TABLE					
CURVE	RADIUS	DELTA	CHORD BEARING	CHORD	LENGTH
C1	626.45'	21°48'54"	N10°53'27"W	237.08'	238.52'
C2	318.84'	37°32'03"	N54°41'16"E	205.16'	208.87'
C3	30.00'	34°25'50"	N18°42'16"W	17.76'	18.03'
C4	50.00'	31°01'58"	S17°00'20"E	26.75'	27.08'
C5	180.40'	141°33'18"	N84°25'28"E	340.68'	445.69'
C6	80.00'	51°57'49"	S39°15'50"W	70.09'	72.55'
C7	235.00'	33°58'15"	S82°14'00"W	137.30'	139.33'
C8	185.00'	70°48'41"	S62°40'10"E	214.36'	228.64'
C9	6006.54'	1°17'44"	S78°21'04"W	135.83'	135.83'
C10	95.00'	51°24'46"	S82°54'39"W	82.41'	85.25'
C11	637.50'	29°33'08"	S86°09'32"E	325.18'	328.81'
C12	262.50'	10°53'07"	S84°30'27"W	49.80'	49.87'
C13	262.50'	88°51'38"	N45°31'11"E	367.52'	407.11'

**NOTES:**

- BEARINGS SHOWN HEREON ARE STATE PLANE COORDINATE FOR THE WEST ZONE OF FLORIDA (NAD 83/90 ADJUSTMENT) AND ARE BASED ON THE EAST LINE OF SECTION 3 TO BEAR SOUTH 00°30'35" WEST.
- THIS SKETCH DOES NOT MAKE ANY REPRESENTATION AS TO ZONING OR DEVELOPMENT RESTRICTIONS ON THE SUBJECT PARCEL.
- PARCEL CONTAINS 314.411 ACRES MORE OR LESS.

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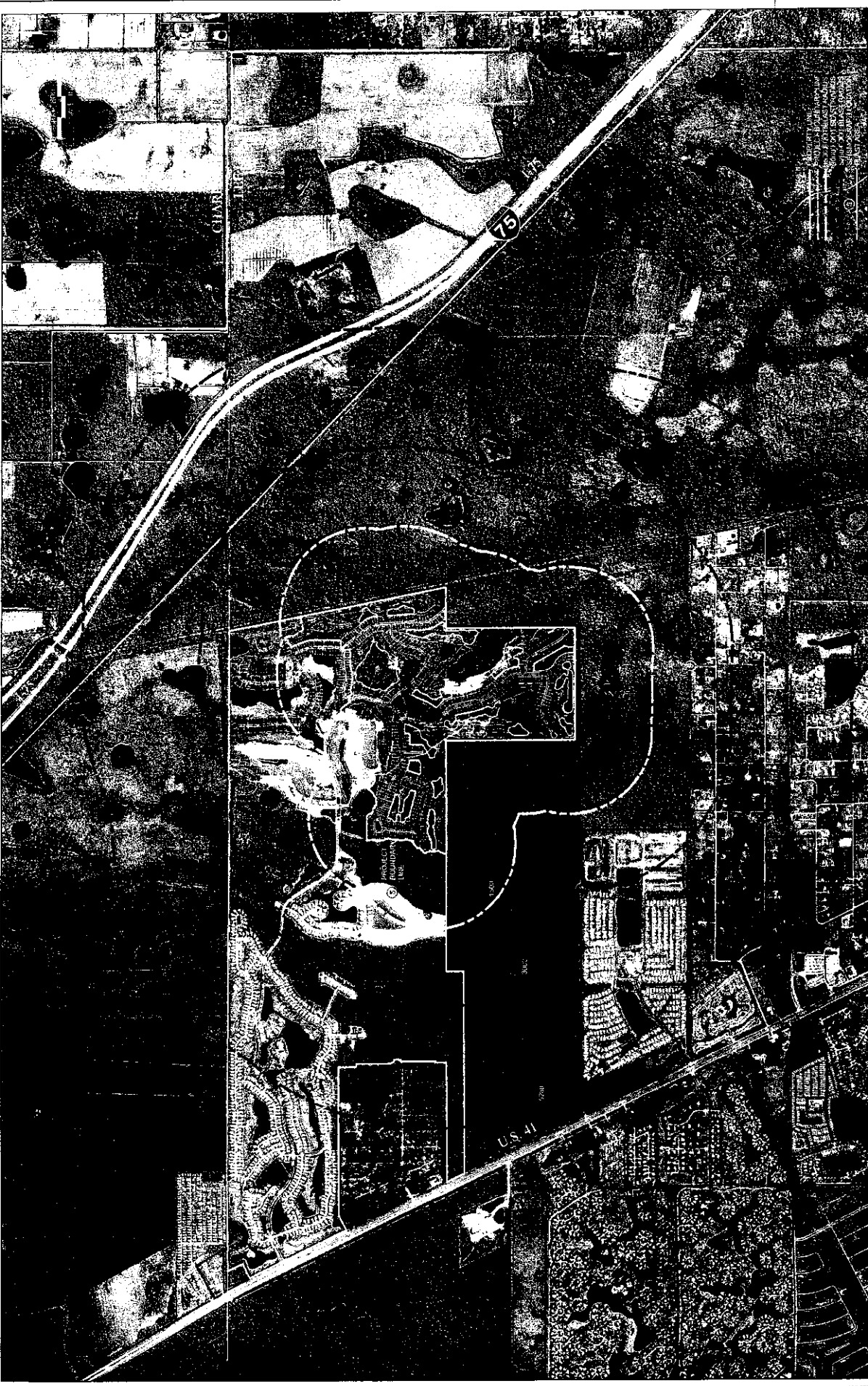
A PARCEL OR TRACT OF LAND LYING IN SECTIONS 2,3 & 4, TOWNSHIP 43 SOUTH, RANGE 24 EAST LEE COUNTY, FLORIDA



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SKETCH TO ACCOMPANY DESCRIPTION PHASE II HERONS GLEN BOUNDARY

DATE	PROJECT NO.	FILE NO.	SCALE	SHEET
05/5/2004	20033923	J-43-24	AS SHOWN	9 OF 9



PRE BLASTING SURVEY RADIUS EXHIBIT

DATE	PROJECT NO.	FILE NO.	SCALE	SHEET
MAY, 2004	20031942	4-11-24	1" = 100'	

2108 JOHNSON STREET  
 TAMPA, FLORIDA 33602-1550  
 PHONE (813) 334-0246  
 FAX (813) 334-0246

**JOHNSON**  
 ENGINEERING

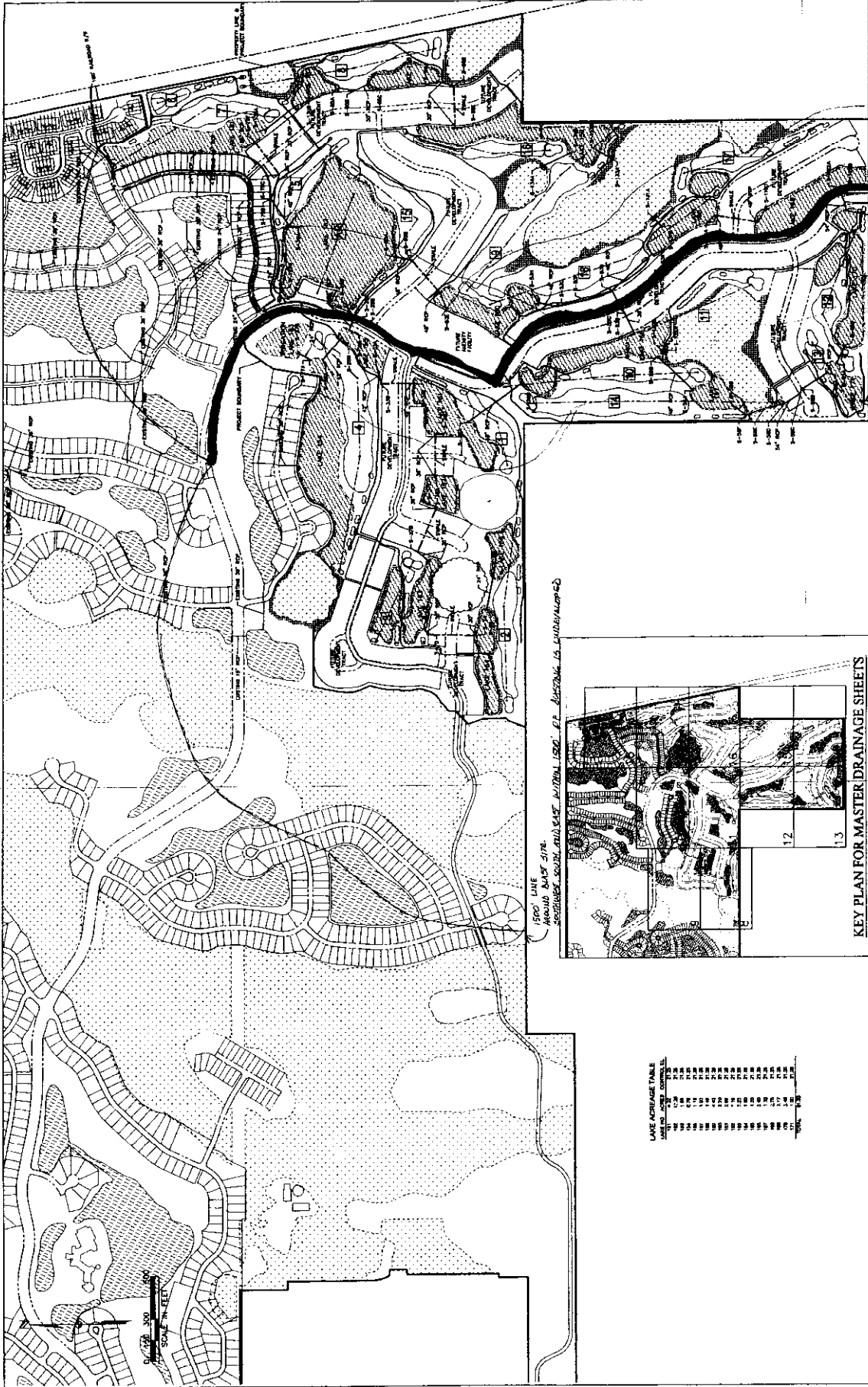
MARBELLA AT HERONS GLEN  
 LEE COUNTY, FLORIDA

EARTHMARK

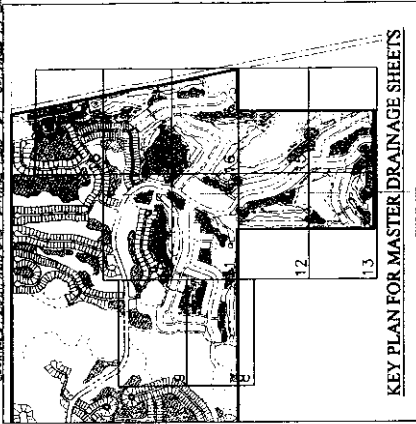
NO.	DATE	DESCRIPTION

REVISIONS  
 M:\20031942\Drawings\Earthmark\Blast\Blast.Dwg (MNA) SEE Dwg 28, 2004 - 2/1/04





1500' LINE  
AROUND RUCK'S POND  
SEPARATES SOUTH AND EAST ORIGINAL LOTS - SEE ATTACHED AS LOTS UNIMPROVED



KEY PLAN FOR MASTER DRAINAGE SHEETS  
MADE 11/19/03

DATE AVERAGE TABLE

DATE	AVERAGE
10/1	1.00
10/2	1.00
10/3	1.00
10/4	1.00
10/5	1.00
10/6	1.00
10/7	1.00
10/8	1.00
10/9	1.00
10/10	1.00
10/11	1.00
10/12	1.00
10/13	1.00
10/14	1.00
10/15	1.00
10/16	1.00
10/17	1.00
10/18	1.00
10/19	1.00
10/20	1.00
10/21	1.00
10/22	1.00
10/23	1.00
10/24	1.00
10/25	1.00
10/26	1.00
10/27	1.00
10/28	1.00
10/29	1.00
10/30	1.00
10/31	1.00
TOTAL	31.00

Water Main

1116 JOHNSON STREET  
O. R. JOHNSON, P.E.  
P.O. BOX 1000  
PENSACOLA, FL 32502-1000  
PHONE (904) 334-0044  
FAX (904) 334-0044  
C.E. 1972 & 1984

**JOHNSON ENGINEERING**

MARBELLA AT HERONS GLEN  
LEE COUNTY, FLORIDA

EARTHMARK

OVERALL MASTER DRAINAGE PLAN

DATE: OCT. 2003 PROJECT NO.: 20030063 FILE NO.: 4-43-24 SCALE: 1" = 300' SHEET: 7

