

Homeowner Agreement

To Participate in Florida Onsite Sewage Nitrogen Reduction Strategies Study

Nitrogen is an important concern for water quality. Animals, crops, ecosystems, and human health can be adversely impacted by the presence of nitrogen in water supplies. The environmental effects of nitrogen on groundwater and surface water can ultimately lead to the degradation of surface waters in watershed systems that have strong groundwater/surface water interactions. Nitrogen that enters surface water bodies via these interactions can lead to algal blooms and eutrophication. These processes lead to oxygen depletion in surface waters which can be harmful to natural aquatic life. In Florida, the protection of watersheds, in particular surface water bodies, has led to the legislation of protection of these areas (i.e., the Wekiva River Protection Act).

A research study to examine nitrogen reduction strategies for onsite sewage treatment and disposal systems in the State of Florida is underway. The project is being conducted by Hazen and Sawyer, P.C an environmental engineering firm under contract with the Florida Department of Health (FDOH).

One element of this research project is to prioritize nitrogen removal technologies under field conditions. To reach this goal, field-testing of nitrogen reducing technologies at home sites is needed to compare various treatment systems for their ability to remove nitrogen. Monitoring nitrogen reduction of the systems will occur at various locations in the State of Florida. In addition, the research project includes subsurface and groundwater monitoring which will be used to assess the current level of nitrogen reduction obtained by Florida soils and to assess groundwater impacts due to conventional and nitrogen removal systems.

The participation of select homeowners is essential for the success of this research program. Therefore, we are looking for volunteers to allow their onsite wastewater systems to be used for this project. All homeowners will remain anonymous in all data analysis and reporting. The study will last up to two years with all site visits scheduled at the homeowner's convenience. The work at each property may include:

- Property walkovers to characterize land uses and features
- Collection of information from the owner regarding water use and wastewater system data
- Installation of new wastewater treatment equipment
- Soil borings
- Installation of monitoring wells
- Collection of wastewater samples
- Monitor energy used and other operational costs

Hazen and Sawyer, P.C. will be responsible for: application for permits, modifications, operation, maintenance, monitoring, inspections, and removal or leaving the system in place at study termination. The project funds will cover the cost of any permits required, any new technology installed, maintenance costs, and restoration of property to original condition. All project payments will terminate upon site closure. The homeowner shall agree to not tamper with the system during the monitoring period. The site will be restored to the original condition upon completion of the study if desired by the homeowner. All homes participating in the study will receive a \$250 cash incentive.

If you are interested in becoming involved in this important research project, please fill in the information below and sign where indicated. We will coordinate all our activities with you and give you any additional information you require prior to beginning work at your property.

Thank you for taking the time to consider this request, and we look forward to your response.

Very truly yours,
Hazen and Sawyer, P.C.

Name:

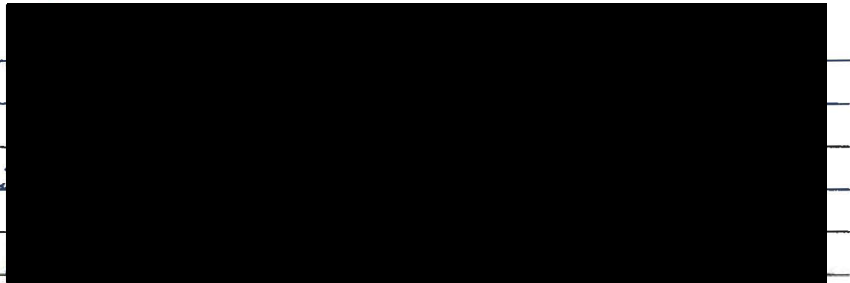
Address:

Mailing Address:

Telephone:

Fax:

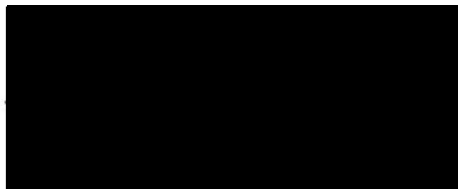
Email:



Type of system installed/existing to be evaluated: ON SITE WASTEWATER SYSTEM

HOMEOWNER

By:



HAZEN AND SAWYER, P.C.
10002 Princess Palm Avenue
Registry One, Suite 200
Tampa, FL 33619

By:

Damann L. Anderson

Title: Vice President

encl.: Residential Evaluation Survey

Damann L. Anderson

Edeback, Josefin

From: [REDACTED]
Sent: Friday, February 25, 2011 7:57 PM
To: Edeback, Josefin
Subject: RE: Homeowner Agreement for participating in the on-site sewage nitrogen reduction study

Hi Josefin,

I took the on-line survey but am not sure if it was sent, received a termination statement. I have attached the form below for your use.

When you are ready please let me know how or if we should proceed from here, thanks!

[REDACTED]

Residential Evaluation Survey

(In case you are having trouble with submitting the info, please contact Josefin : 813-630-4498)

Name:	[REDACTED]	
Street Address:	[REDACTED]	Address Required
City:	Ocala	
State:	FL	
Zipcode:	34479	
Mailing Address (If different from above):	Same	
Daytime Phone(Work or Cell):	[REDACTED]	
Evening Phone(Work or Cell):	[REDACTED]	
Email:	[REDACTED]	Email required
Parcel#:	[REDACTED]	
Designer:	Unknown at this time	
Installer:	Sub for Owens Construction	
City(of Installer):	Ocala	
State:(of Installer)	FL	
Property Size(acres or sq.ft)	3.59 Acres	

A. Home/Residents

Is this your first home with an on-site wastewater treatment system? Yes No

Did you receive any septic system user information? Yes No

Did you receive the as-built drawing for the system? Yes No

Any additions to home since septic system was built? Bedrooms : [0 √]
Bathrooms : [0 √]
Other : [1 √]

Type of Use: [Permanent √]
If Seasonal, number of months used [0 √]

Number of people living in the home

Age Group(Years)	Male	Female
Adults(18-65)	[1 √]	[1 √]
Adults(>65)	[0 √]	[0 √]
Children(<13)	[2 √]	[0 √]
Teenagers(13-17)	[0 √]	[0 √]

Guests(Average per month): [2 √]
Number of bedrooms: [3 √]
Number of bathrooms: [2 √]
Number of Pets: [1 √]
Number of Pet Baths per month: [0 √]
Number of showers per week: [11-20 √]
Number of baths per week: [8 √]
Water Supply: [Private

Well

Water Supply Other Name: []

Do you have a in-home business? ()Yes (X)No

If yes what type? []

Do you use septic system additives? ()Yes (X)No

If yes, what products? []

Frequency []

Type of pretreatment system: [Septic Tank

Specific type of system []

Make and Model []

How old is the system? (years) 7

Date of last pump out Has not been pumped to date.

Has the system ever backed up? ()Yes (X)No

Has the baffels ever been plugged? ()Yes ()No

Is there an effluent screen in septic tank outlet? ()Yes ()No

Has effluent screen ever plugged? ()Yes ()No
If yes, please mention date(s): []

Has the system ever been repaired? ()Yes (X)No
If yes, please mention date(s): []

Has effluent ever surfaced? ()Yes (X)No

Has the alarm ever sounded? ()Yes (X)No

Soil type - at drain field depth or lower: Arredondo - Type "A" per NRCS Map

Type of distribution/dispersal system: [Gravity

If Other, type of distribution/dispersal system: []

Is water softner used?: ()Yes (X)No

Reverse osmosis?: ()Yes (X)No

Backwashing water filter(iron,sediment,etc)?: ()Yes (X)No

Other water treatment devices: []

Is there an outside power supply?: (X)Yes ()No

If yes, does the power supply have its own breaker? ()Yes ()No

How many amps? []

If there an outside water spigot? (X)Yes ()No

[Save Information]

ring or binary data would be truncated. The statement has been terminated.

--- On Fri, 2/25/11, Edeback, Josefin <jedeback@hazenandsawyer.com> wrote:

From: Edeback, Josefin <jedeback@hazenandsawyer.com>
Subject: RE: Homeowner Agreement for participating in the on-site sewage nitrogen reduction study
To: [REDACTED] <[REDACTED]>
Date: Friday, February 25, 2011, 8:15 AM

Absolutely! Thank you for your interest in participating in the FDOH nitrogen reduction study for onsite systems!

If it is any easier, we have created a website where you can fill it in online...

<http://tampa.hazenandsawyer.com/FOSNRS/>

Thank you,

Josefin

SL 1564-03

KH 254/12924



STATE OF FLORIDA
DEPARTMENT OF HEALTH
ONSITE SEWAGE TREATMENT AND DISPOSAL SYSTEM
CONSTRUCTION PERMIT

Temp #: SL 1564-03

OSTDS NBR : [REDACTED]
DATE PAID : 10/10/2003
FEE PAID : \$ 200.00
RECEIPT : 117972
CENTRAX # : [REDACTED]
MCB&Z # : 2003100886

CONSTRUCTION PERMIT FOR:

[X] New System [] Existing System [] Holding Tank [] Innovative Other
[] Repair [] Abandonment [] Temporary [] _____

APPLICANT: Owen Construction AGENT: David Owen Construction

PROPERTY STREET ADDRESS: [REDACTED] Ocala ?

LOT: _____ BLOCK: _____ SUBDIVISION: _____

[Section/Township/Range/Parcel No.]

PROPERTY ID [REDACTED] [OR TAX ID NUMBER]

SYSTEM MUST BE CONSTRUCTED IN ACCORDANCE WITH SPECIFICATIONS AND STANDARDS OF CHAPTER 64E-6, FAC DEPARTMENT APPROVAL OF SYSTEM DOES NOT GUARANTEE SATISFACTORY PERFORMANCE FOR ANY SPECIFIC TIME PERIOD. ANY CHANGE IN MATERIAL FACTS WHICH SERVED AS A BASIS FOR ISSUANCE OF THIS PERMIT, REQUIRE THE APPLICANT TO MODIFY THE PERMIT APPLICATION. SUCH MODIFICATIONS MAY RESULT IN THIS PERMIT BEING MADE NULL AND VOID. ISSUANCE OF THIS PERMIT DOES NOT EXEMPT THE APPLICANT FROM COMPLIANCE WITH OTHER FEDERAL, STATE OR LOCAL PERMITTING REQUIRED FOR PROPERTY DEVELOPMENT.

SYSTEM DESIGN AND SPECIFICATIONS

T [900] Gallons SEPTIC TANK
A [0] Gallons
N [0] GALLONS GREASE INTERCEPTOR CAPACITY
K [0] GALLONS DOSING TANK CAPACITY [0] GALLONS @ [0] DOSES PER 24 HRS # PUMPS [0]

APPROVED OUTLET FILTER DEVICE : [Y]
MULTI-CHAMBERED/IN SERIES: [Y]
MULTI-CHAMBERED/IN SERIES: []

D [333] SQUARE FEET PRIMARY DRAINFIELD SYSTEM
R [0] SQUARE FEET SYSTEM
A TYPE SYSTEM: [Y] STANDARD [N] FILLED [N] MOUND [N] _____
I CONFIGURATION: [Y] TRENCH [N] BED [N] _____

F LOCATION TO BENCHMARK: Red Tape Nailed To Fence Post
I ELEVATION OF PROPOSED SYSTEM SITE [24] [INCHES] [BELOW] BENCHMARK/REFERENCE POINT
E BOTTOM OF DRAINFIELD TO BE [54] [INCHES] [BELOW] BENCHMARK/REFERENCE POINT
L
D FILL REQUIRED: [0] INCHES EXCAVATION REQUIRED: [0] INCHES

OTHER REMARKS and PERMIT REQUIREMENTS:

This New Construction Permit EXPIRES 18 months from date of issue. ** See NOTICE OF RIGHTS ** Maintain 75 feet from all private potable wells. The licensed contractor installing the system is responsible for installing the minimum category of tank in accordance with s.64E-6.013(3)(f), FAC.

SITE EVALUATION BY: Payne, David Env Supervisor II

APPROVED BY: J. Darden TITLE: ESU Marion CHD

DATE ISSUED: 10/27/03 EXPIRATION DATE: 4/27/05



STATE OF FLORIDA
 DEPARTMENT OF HEALTH
 ONSITE SEWAGE DISPOSAL SYSTEM
 APPLICATION FOR CONSTRUCTION PERMIT

PERMIT NO. 0
 DATE PAID: [redacted]
 FEE PAID: [redacted]
 RECEIPT #: [redacted]

SL 1564-03

APPLICATION FOR:

- New System Existing System Holding Tank Innovative
 Repair Abandonment Temporary

APPLICANT: OWEN

AGENT: Owen Construct. TELEPHONE: [redacted]

MAILING ADDRESS: [redacted]

TO BE COMPLETED BY APPLICANT OR APPLICANT'S AUTHORIZED AGENT. SYSTEMS MUST BE CONSTRUCTED BY A PERSON LICENSED PURSUANT TO 489.105(3)(m) OR 489.552, FLORIDA STATUTES.

PROPERTY INFORMATION

LOT: _____ BLOCK: _____ SUBDIVISION: _____ PLATTED: _____

PROPERTY ID #: 1100 ZONING: RS I/M OR EQUIVALENT: [Y / N]

PROPERTY SIZE: 3.59 ACRES WATER SUPPLY: PRIVATE PUBLIC [] <=2000GPD [] >2000GPD

IS SEWER AVAILABLE AS PER 381.0065, FS? [Y / N] DISTANCE TO SEWER: _____ FT

PROPERTY ADDRESS: [redacted]

DIRECTIONS TO PROPERTY: [redacted]

BUILDING INFORMATION

RESIDENTIAL COMMERCIAL

Unit No	Type of Establishment	No. of Bedrooms	Building Area Sqft	Commercial/Institutional System Design Table 1, Chapter 64E-6, FAC
1	SFR	3	1461	
2				
3				
4				

FEE NON REFUNDABLE

Floor/Equipment Drains Other (Specify) _____

SIGNATURE: [redacted] DATE: 10/10/07



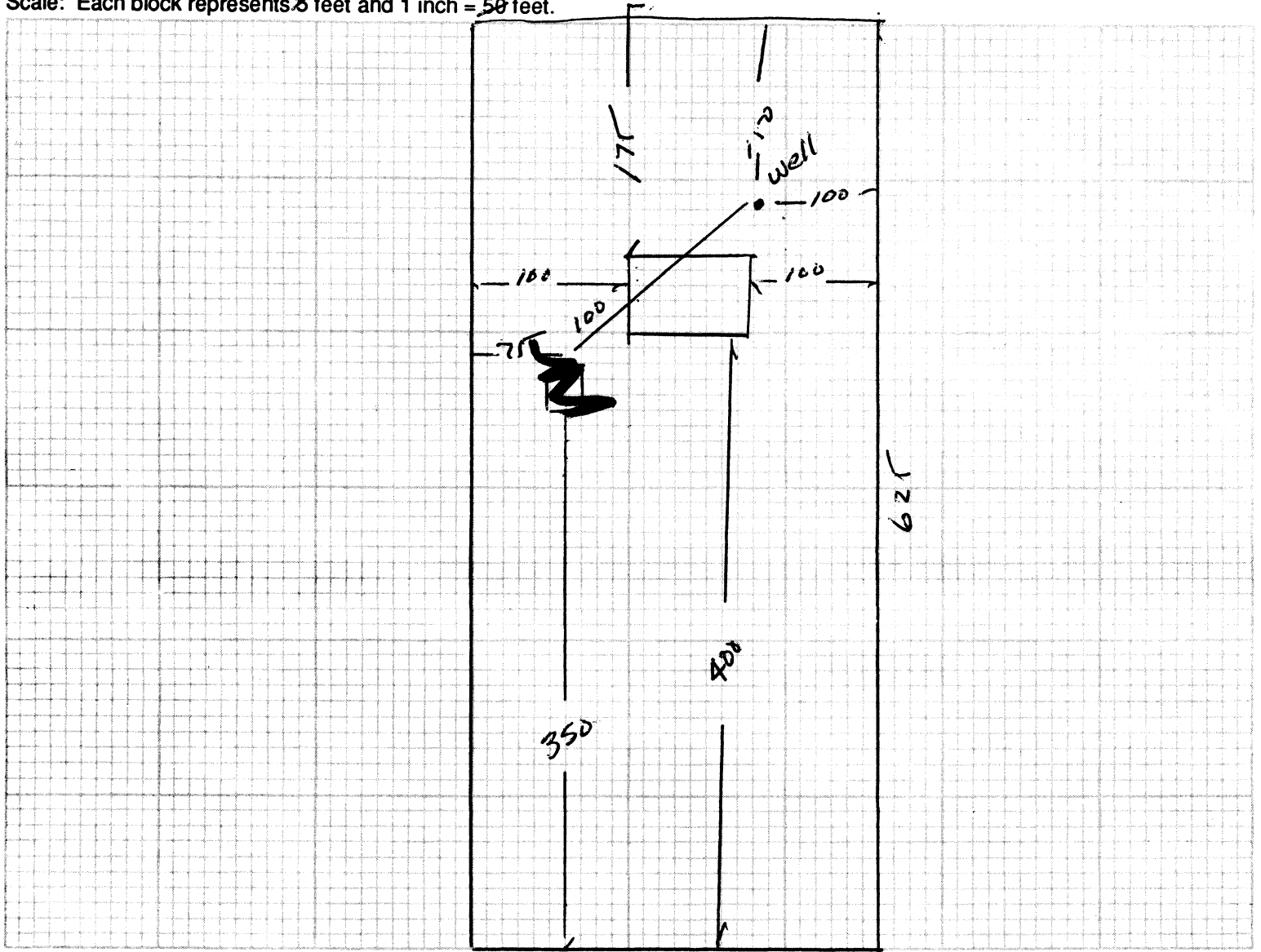
STATE OF FLORIDA
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number _____

----- PART II - SITE PLAN -----

Scale: Each block represents ¹⁰ 5 feet and 1 inch = ¹⁰⁰ 50 feet.



Notes: _____

Site Plan submitted by:



Signature

Plan Approved

Not Approved _____

Title _____
Date 10/27/03

By *J. Under ESI*

[Signature]

County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT



2003
 STATE OF FLORIDA
 DEPARTMENT OF HEALTH
 ONSITE SEWAGE TREATMENT AND DISPOSAL SYSTEM
 CONSTRUCTION INSPECTION AND FINAL APPROVAL
 SL 1564-03

OSTDS NBR: [REDACTED]
 CENTRAX #: [REDACTED]
 DATE PAID: 10/10/2003
 FEE PAID: \$ 200.00
 RECEIPT : [REDACTED] 2

APPLICANT: Owen Construction AGENT: David Owen Construction

PROPERTY STREET ADDRESS: [REDACTED] Ocala

LOT: _____ BLOCK: _____ SUBDIVISION: _____

[Section/Township/Range/Parcel No.]

PROPERTY ID #: [REDACTED] [OR TAX ID NUMBER]

CHECKED [X] ITEMS ARE NOT IN COMPLIANCE WITH CHAPTER 64E-6, FLORIDA ADMINISTRATIVE CODE.

- | | | | |
|--------------------------|--|---------------------|--|
| TANK INSTALLATION | | SETBACKS | |
| [] | [01] TANK SIZE [1] <u>900</u> [2] _____ | [] | [27] SURFACE WATER |
| [] | [02] TANK MATERIAL <u>concrete</u> | [] | [28] DITCHES |
| [] | [03] OUTLET DEVICE: <u>✓</u> | [] | [29] PRIVATE WELLS <u>100'</u> |
| [] | [03] TYPE <u>2phase</u> | [] | [30] PUBLIC WELLS |
| [] | [04] MULTI-CHAMBERED | [] | [31] IRRIGATION WELLS |
| [] | [05] LEGEND <u>42-042-050-C</u> | [] | [32] POTABLE WATER LINES <u>50'</u> |
| [] | [06] WATERTIGHT | [] | [33] BUILDING FOUNDATION <u>7'</u> |
| [] | [07] LEVEL | [] | [34] PROPERTY LINES <u>45'</u> |
| [] | [08] DEPTH OF LID | [] | [35] OTHER _____ |
| DRAINFIELD INSTALLATION | | FILLED/MOUND SYSTEM | |
| [] | [09] AREA [1] <u>369</u> [2] _____ SQFT | [] | [36] DRAINFIELD COVER [SOD / HAY] |
| [] | [10] DISTRIBUTION BOX /HEADER | [] | [37] SHOULDERS |
| [] | [11] NUMBER OF DRAINLINES <u>2</u> | [] | [38] SLOPES |
| [] | [12] DRAINLINE SEPARATION <u>63 & 60</u> | [] | [39] STABILIZED: |
| [] | [13] DRAINLINE SLOPE | [] | |
| [] | [14] DEPTH OF COVER | [] | ADDITIONAL INFORMATION |
| [] | [15] SYSTEM ELEVATION <u>"24" h₂o low grade</u> | [] | [40] UNOBSTRUCTED AREA |
| [] | [16] SYSTEM LOCATION | [] | [41] STORMWATER RUNOFF |
| [] | [17] DOSING PUMPS <u>0</u> [# of pumps] | [] | [42] ALARMS |
| [] | [18] AGGREGATE SIZE | [] | [43] MAINTENANCE AGREEMENT |
| [] | [19] AGGREGATE SOURCE | [] | [44] BUILDING AREA |
| [] | [20] AGGREGATE WASHED | [] | [45] PLUMBING FIXTURES |
| [] | [21] AGGREGATE DEPTH | [] | [46] FINAL SITE GRADING |
| FILL/EXCAVATION MATERIAL | | [] | [47] CONTRACTOR <u>EVANS</u> |
| [] | [22] FILL AMOUNT | [] | [48] OTHER _____ |
| [] | [23] FILL TEXTURE | [] | |
| [] | [24] EXCAVATION DEPTH | [] | ABANDONMENT |
| [] | [25] EXCAVATION AREA | [] | [49] TANK PUMPED ___/___/___ |
| [] | [26] REPLACEMENT MATERIAL | [] | [50] TANK CRUSHED AND FILLED ___/___/___ |

EXPLANATION OF VIOLATIONS:

CONSTRUCTION [Approved / Disapproved] [Signature] Marion

CHD Date: 2/13/04

FINAL SYSTEM [Approved / Disapproved] [Signature] Marion

CHD Date: 2/18/04



STATE OF FLORIDA
DEPARTMENT OF HEALTH
ONSITE SEWAGE DISPOSAL SYSTEM
SITE EVALUATION AND SYSTEM SPECIFICATIONS

PERMIT # [REDACTED]

SL

APPLICANT: Owen Const

AGENT: _____

LOT: _____ BLOCK: _____ SUBDIVISION: _____

PROPERTY ID [REDACTED] [Section/Township/Range/Parcel No. or Tax ID Number]

TO BE COMPLETED BY ENGINEER, HEALTH UNIT EMPLOYEE, OR OTHER QUALIFIED PERSON. ENGINEER'S MUST PROVIDE REGISTRATION NUMBER AND SIGN AND SEAL EACH PAGE OF SUBMITTAL. COMPLETE ALL ITEMS.

PROPERTY SIZE CONFORMS TO SITE PLAN: YES NO NET USABLE AREA AVAILABLE: 3.59 ACRES
TOTAL ESTIMATED SEWAGE FLOW: 300 GALLONS PER DAY (RESIDENCES-TABLE 1 / OTHER-TABLE 2)
AUTHORIZED SEWAGE FLOW: 5385 GALLONS PER DAY [1500 GPD/ACRE OR 2500 GPD/ACRE]
UNOBSTRUCTED AREA AVAILABLE: 2,000 SQFT UNOBSTRUCTED AREA REQUIRED: 668 SQFT

BENCHMARK/REFERENCE POINT LOCATION: red tape nailed to fence post
ELEVATION OF PROPOSED SYSTEM SITE IS 24 (INCHES/FT) [~~ABOVE~~ (BELOW)] BENCHMARK/REFERENCE POINT

THE MINIMUM SETBACK WHICH CAN BE MAINTAINED FROM THE PROPOSED SYSTEM TO THE FOLLOWING FEATURES:
SURFACE WATER: NV FT DITCHES/SWALES: NV FT NORMALLY WET? YES NO
WELLS: PUBLIC: NA FT LIMITED USE: NA FT PRIVATE: 75 FT NON-POTABLE: NA FT
BUILDING FOUNDATIONS: 5 FT PROPERTY LINES: 5 FT POTABLE WATER LINES: 10 FT

SITE SUBJECT TO FREQUENT FLOODING: YES NO 10 YEAR FLOODING? YES NO
10 YEAR FLOOD ELEVATION FOR SITE: NA FT MSL/NGVD SITE ELEVATION: NA FT MSL/NGVD

SOIL PROFILE INFORMATION SITE 1

SOIL PROFILE INFORMATION SITE 2

Munsell #/Color	Texture	Depth
10YR 3/3 DK BRN FS	FS	0 to 8
10YR 4/6 DK YRLL BIN FS	FS	8 to 28
10YR 5/8 YRLL BIN FS	FS	28 to 34
10YR 6/8 BIN YRLL FS	FS	34 to 60
10YR 6/8 BIN YRLL LS	LS	60 to 72
		to
		to
		to
		to
		to
		to
USDA SOIL SERIES:	<u>Arb like</u>	

Munsell #/Color	Texture	Depth
10YR 3/3 DK BRN FS	FS	0 to 6
10YR 5/6 YRLL BIN FS	FS	6 to 48
10YR 6/8 BIN YRLL FS	FS	48 to 72
		to
		to
		to
		to
		to
		to
USDA SOIL SERIES:	<u>Arredondo like</u>	

OBSERVED WATER TABLE: 72 INCHES [~~ABOVE~~ (BELOW)] EXISTING GRADE. TYPE: [~~PERCHED~~ / (APPARENT)]
ESTIMATED WET SEASON WATER TABLE ELEVATION: 72 INCHES [~~ABOVE~~ / (BELOW)] EXISTING GRADE.
HIGH WATER TABLE VEGETATION: YES NO MOTTLING: YES NO DEPTH: NA INCHES

SOIL TEXTURE/LOADING RATE FOR SYSTEM SIZING: Fine Sand / 0.9 DEPTH OF EXCAVATION: NA INCHES
DRAINFIELD CONFIGURATION: TRENCH BED OTHER (SPECIFY) _____
REMARKS/ADDITIONAL CRITERIA: _____

SITE EVALUATED BY: David Payne DATE: 10/13/03

Area of Interest (AOI) | **Soil Map** | Soil Data Explorer | Shopping Cart (Free)

Printable Version | Add to Shopping Cart

Search

Map Unit Legend

Marion County Area, Florida (FL608)

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
9	Arredondo sand, 0 to 5 percent slopes	7.2	89.8%
35	Gainesville loamy sand, 0 to 5 percent slopes	0.8	10.2%
Totals for Area of Interest		8.0	100.0%

