

SUBMIT BID TO:
PROCUREMENT SERVICES
UNIVERSITY OF FLORIDA
971 ELMORE DRIVE
PO BOX 115250
GAINESVILLE, FL 32611

Phone: (352) 392-1331 - FAX: (352) 392-8837

Web Address: <https://procurement.ufl.edu/>

UF UNIVERSITY of FLORIDA
INVITATION TO BID
Construction
Acknowledgment Form

Page 1 of 17 pages		BID WILL BE OPENED: May 12, 2022 at 3:00 PM local time and may not be withdrawn within 45 days after such date and time. Mandatory Pre-bid: April 26, 2022 at 11:00 AM local time.		BID NO.: ITB22KO-133	
DATE: 04/18/2022		PROCUREMENT AGENT: KO		BID TITLE: Mound Septic System at IFAS GCREC in Wimauma, FL	
VENDOR NAME					
VENDOR MAILING ADDRESS		REASON FOR NOT SUBMITTING BID			
CITY - STATE - ZIP CODE		POSTING OF BID TABULATIONS Bid tabulations with intended award(s) will be posted electronically for review by interested parties at https://procurement.ufl.edu/ and will remain posted for a period of 72 hours excluding Saturdays, Sundays, or state holidays. Failure to file a protest in accordance with Board of Governors (BOG) Regulation 18.002 or failure to post the bond or other security as required in the BOG regulations 18.002 and 18.003(3), shall constitute a waiver of protest proceedings.			
AREA CODE	TELEPHONE NO.				
	FAX NO.				
	WEB ADDRESS				
	EMAIL ADDRESS				

I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm or person submitting a bid for the same materials, supplies, or equipment and is in all respects fair and without collusion or fraud. I agree to abide by all conditions of this bid and certify that I am authorized to sign this bid for the vendor and that the vendor is in compliance with all the requirements of the Invitation to Bid, including but not limited to, certification requirements. In submitting a bid on behalf of the Board of Trustees, hereinafter known as the University, the vendor offers and agrees that if the bid is accepted the vendor will convey, sell, assign, or transfer to the University all rights, title and interest in and to all causes of action it may now or hereafter acquire under the Anti-trust laws of the United States and the University for price fixing relating to the particular commodities or services purchased or acquired by the University. At the University's discretion, such assignment shall be made and become effective at the time the purchasing agency tenders final payment to the vendor.

 AUTHORIZED SIGNATURE (MANUAL)

 NAME AND TITLE (TYPED)

GENERAL CONDITIONS

SEALED BIDS: All bid sheets and this form must be executed and submitted in a sealed envelope. (DO NOT INCLUDE MORE THAN ONE BID PER ENVELOPE.) The face of the envelope shall contain, in addition to the above address, the date, and time of the bid opening and the bid number. Bids not submitted on the attached bid form shall be rejected. All bids are subject to the conditions specified herein. Those which do not comply with these conditions are subject to rejection.

1. **EXECUTION OF BID:** Bid must contain an original manual signature of authorized representative in the space provided above. Bid must be typed or printed in ink. Use of erasable ink is not permitted. All corrections to prices made by vendor must be initialed.

2. **NO BID:** If not submitting a bid, respond by returning only this vendor acknowledgment form, marking it "NO BID", and explain the reason in the space provided above. Failure to respond to a procurement solicitation without giving justifiable reason for such failure, nonconformance to contract conditions, or other pertinent factors deemed reasonable and valid shall be cause for removal of the supplier's name from the bid mailing list. NOTE: To qualify as a respondent, vendor must submit a "NO BID", and it must be received no later than the stated bid opening date and hour.

3. **BID OPENING:** Shall be public, on the date, location and the time specified on the bid form. It is the vendor's responsibility to assure that the bid is delivered at the proper time and place of the bid opening. Bids which for any reason are not so delivered will not be considered. A bid may not be altered after opening of the bids. NOTE: Bid tabulations will be posted electronically at <https://procurement.ufl.edu/>. Bid tabulations will not be provided by telephone.

4. **PRICES, TERMS AND PAYMENT:** Firm prices shall be bid and will include all packing, handling, shipping charges, and delivery to the destination shown herein.

(a) **TAXES:** The University does not pay Federal Excise and Sales taxes on direct purchases of tangible personal property or services. The Florida Tax Exempt Number is 11-06-024056-57C. This exemption does not apply to purchases of tangible personal property or services made by vendors who use the tangible personal property or services in the performance of contracts for the improvement of University-owned real property as defined in Chapter 192, F.S.

(b) **DISCOUNTS:** Vendors are encouraged to reflect trade discounts in the unit prices quoted; however, vendors may offer a discount for prompt payment. Prompt payment discounts will not be considered in the bid award. However, every effort will be made to take the discount within the time offered.

(c) **MISTAKES:** Vendors are expected to examine the specifications, delivery schedule, bid prices, extensions, and all instructions pertaining to supplies and services. Failure to do so will be at vendor's risk. In case of a mistake in extensions the unit price will govern.

(d) **INVOICING AND PAYMENT:** Payment will be made by the University of Florida after the items awarded to a vendor have been received, inspected, and found to comply with award specifications, free of damage or defect and properly invoiced. All invoices shall bear the purchase order number. Payment for partial shipments shall not be made unless specified. An original invoice shall be submitted. Failure to follow these instructions may result in delay in processing invoices for payment. Payment shall be made in accordance with Section 215.422 (1) (2) F.S. VENDOR OMBUDSMAN: The University's vendor ombudsman, whose duties include acting as an advocate for vendors may be experiencing problems in obtaining payment from the University, may be contacted at 352-392-1241.

(e) **ANNUAL APPROPRIATIONS:** The University's performance and obligation to pay under any contract awarded is contingent upon an annual appropriation by the Legislature.

(f) **CONDITION AND PACKAGING:** It is understood and agreed that any item offered or shipped as a result of this bid shall be a new, current standard production model available at the time of this bid. All containers shall be suitable for storage or shipment, and all prices shall include standard commercial packaging.

(g) **SAFETY STANDARDS:** Unless otherwise stipulated in the bid, all manufactured items and fabricated assemblies shall comply with applicable requirements of Occupational Safety and Health Act and any standards hereunder.

5. **CONFLICT OF INTEREST:** The award hereunder is subject to the provisions of Chapter 112, F.S. All vendors must disclose with their bid the name of any officer, director, or agent who is also an employee of the University of Florida. Further, all vendors must disclose the name of any University employee who owns, directly or indirectly, an interest of five percent (5%) or more in the vendor's firm or any of its branches.

6. **AWARDS:** As the best interest of the University may require, the right is reserved to make award(s) by individual item, group of items, all or none or a combination thereof; to reject any and all bids or waive any minor irregularity or technicality in bids received. When it is determined there is no competition to the lowest responsible vendor, evaluation of other bids are not required. Vendors are cautioned to make no assumptions unless their bid has been evaluated as being responsive.

7. INTERPRETATIONS/DISPUTES: Any questions concerning conditions or specifications shall be directed in writing to Procurement Services. Inquiries must reference the date of bid opening and bid number. No interpretations shall be considered binding unless provided in writing by the University in response to requests in full compliance with this provision.

8. NOTICE OF BID PROTEST BONDING REQUIREMENT: Any person or entity who files an action protesting a decision or an intended decision pertaining to a competitive solicitation shall at the time of filing the formal protest, post with the University a bond payable to the University in an amount equal to: 10% of the estimated value of the protestor's bid or proposal; 10% of the estimated expenditure during the contract term; \$10,000.00; or whichever is less. The bond shall be conditioned upon the payment of all costs which may be adjudged against the person or entity filing the protest action. In lieu of a bond, the University may accept a cashier's check, bank official check or money order in the amount of the bond. **FAILURE OF THE PROTESTING PERSON OR ENTITY TO FILE THE REQUIRED BOND, CASHIER'S CHECK, BANK OFFICIAL CHECK OR MONEY ORDER AT THE TIME OF THE FILING THE FORMAL PROTEST SHALL RESULT IN DENIAL OF THE PROTEST.**

9. GOVERNMENTAL RESTRICTIONS: In the event any governmental restrictions may be imposed which would necessitate alteration of the material, quality, workmanship or performance of the items offered in this bid prior to their delivery, it shall be the responsibility of the successful vendor to notify the purchaser at once, indicating in writing the specific regulation which requires an alteration. The University reserves the right to accept any such alteration, including any price adjustments occasioned thereby, or to cancel the contract at no expense to the University.

10. LEGAL REQUIREMENTS: Applicable provision of all Federal, State, county and local laws, and of all ordinances, rules and regulations shall govern development, submittal and evaluation of all bids received in response hereto and shall govern any and all claims and disputes which may arise between person(s) submitting a bid response hereto and the University, by and through its officers, employees and authorized representatives, or any other person, natural or otherwise; and lack of knowledge by any vendor shall not constitute a cognizable defense against the legal effect thereof.

11. LOBBYING: Vendor is prohibited from using funds provided under any contract or purchase order for the purpose of lobbying the Legislature or any official, officer, commission, board, authority, council, committee, or department of the executive branch or the judicial branch of state government.

12. ADVERTISING: In submitting a bid, the vendor agrees not to use the results therefrom as a part of any commercial advertising. Vendor may not use the names, logos, or trademarks of the University, its employees, or affiliates without the prior written consent of the University.

13. ASSIGNMENT: Any contract or purchase order issued pursuant to this Invitation to Bid and the monies which may become due hereunder are not assignable except with the prior written approval of the purchaser.

14. LIABILITY: The vendor agrees to indemnify and save the University of Florida, the State of Florida and the Florida Board of Governors, their officers, agents, and employees harmless from any and all judgments, orders, awards, costs and expenses, including attorney's fees, and also all claims on account of damages to property, including loss of use thereof, or bodily injury (including death) which may be hereafter sustained by the vendor, its employees, its subcontractors, or the University of Florida, the State of Florida and the Florida Board of Governors, their officers, agents, or employees, or third persons, arising out of or in connection with any contract awarded and which are the result of the vendor's breach of contract or of the negligent acts of the vendor, its officers, agents, and employees. This clause does not apply to contracts between government agencies.

15. FACILITIES: The University reserves the right to inspect the vendor's facilities at any time with prior notice.

16. ADDITIONAL QUANTITIES: For a period not exceeding ninety (90) days from the date of acceptance of any offer by the University of Florida, the right is reserved to acquire additional quantities up to but not exceeding those shown on bid or the bid level at the prices bid in this invitation. If additional quantities are not acceptable, the bid sheets must be noted "BID IS FOR SPECIFIED QUANTITY ONLY".

17. SERVICE AND WARRANTY: Unless otherwise specified, the vendor shall define any warranty service and replacements that will be provided during and subsequent to this contract. Vendors must explain on an attached sheet to what extent warranty and service facilities are provided.

18. SAMPLES: Samples of items, when called for, must be furnished free of expense, on or before bid opening time and date, and if not destroyed, may upon request, be returned at the vendor's expense. Each individual sample must be labeled with vendor's name, manufacturer's brand name and number, bid number and item reference. Request for return of samples shall be accompanied by instructions which include shipping authorization and name of carrier and must be received with the bid. If instructions are not received within this time, the commodities shall be disposed of by the University.

19. INSPECTION, ACCEPTANCE AND TITLE: Inspection and acceptance will be at destination unless otherwise provided. Title and risk of loss or damage of all items shall be the responsibility of the contract supplier until accepted by the University, unless loss or damage results from negligence by the University. The contract supplier shall be responsible for filing, processing and collecting all damage claims. However, to assist him in the expeditious handling of damage claims, the University will:

- (a) Record any evidence of visible damage on all copies of the delivering carrier's Bill of Lading.

- (b) Report damage (Visible or Concealed) to the carrier and contract supplier confirming such reports in writing within 15 days of delivery, requesting that the carrier inspect the damaged merchandise.
- (c) Retain the item and its shipping container, including inner packing material until inspection is performed by the carrier, and disposition given by the contract supplier.
- (d) Provide the contract supplier with a copy of the carrier's Bill of Lading and damage inspection report.

20. PATENTS, COPYRIGHTS, TRADEMARKS, ROYALTIES and other Intellectual Property: The vendor, without exception, shall indemnify and save harmless the University and its employees from liability of any nature or kind, including cost and expenses for or on account of any copyrighted, patented, or unpatented invention, process, or article manufactured or used in the performance of the contract, including its use by the University of Florida. If the vendor uses any design, device, or materials covered by letters, patent or copyright, it is mutually agreed and understood without exception that the bid prices shall include all royalties or costs arising from the use of such design, device, or materials in any way involved in the work.

21. CONFLICT BETWEEN DOCUMENTS: If any terms and conditions contained within the documents that are a part of this ITB or resulting contract are in conflict with any other terms and conditions contained therein, then the various documents comprising this ITB or resulting contract, as applicable, shall govern in the following order of precedence: change order, purchase order, addenda, special conditions, general conditions, specifications, departmental description of work, and bid.

22. MANUFACTURERS' NAMES AND APPROVED EQUIVALENTS: Any manufacturer's names, trade names, brand names, information and/or catalog numbers listed in a specification are for information and not intended to limit competition. If bids are based on equivalent products, indicate on the bid form the manufacturer's name and number. Vendor shall submit with the bid, cuts, sketches, and descriptive literature, and/or complete specifications. Reference to literature submitted with a previous bid will not satisfy this provision. The vendor shall also explain in detail the reasons why the proposed equivalent will meet the specifications and not be considered an exception thereto. The University of Florida reserves the right to determine acceptance of item(s) as an approved equivalent. Bids which do not comply with these requirements are subject to rejection. Bids lacking any written indication of intent to quote an alternate brand will be received and considered in complete compliance with the specifications as listed on the bid form.

23. NONCONFORMANCE TO CONTRACT CONDITIONS: Items may be tested and/or inspected for compliance with specifications by any appropriate testing facilities. Should the items fail, the University may require the vendor to reimburse the University for costs incurred by the University in connection with the examination or testing. The data derived from any tests for compliance with specifications are public records and open to examination thereto in accordance with Chapter 119, F.S. Items delivered not conforming to specifications may be rejected and returned at vendor's expense. These items and items not delivered as per delivery data in bid and/or purchase order may result in vendor being found in default in which event any and all procurement costs may be charged against the defaulting vendor. Any violation of these conditions may also result in the vendor's name being removed from the University of Florida's vendor file.

24. PUBLIC RECORDS: Any material submitted in response to this Invitation to Bid will become a public document pursuant to Section 119.07 F.S. This includes material which the responding vendor might consider to be confidential or a trade secret. Any claim of confidentiality is waived upon submission, effective after opening pursuant to Section 119.07 F.S.

25. DELIVERY: Unless actual date of delivery is specified (or if specified delivery cannot be met), show number of days required to make delivery after receipt of purchase order in space provided. Delivery time may become a basis for making an award (see Special Conditions). Delivery shall be within the normal working hours of the University of Florida, Monday through Friday, unless otherwise specified.

26. PUBLIC PRINTING - PREFERENCE GIVEN PRINTING WITHIN THE STATE: The University of Florida shall give preference to vendors located within the state when awarding contracts to have materials printed, whenever such printing can be done at no greater expense than, and at a level of quality comparable to, that obtainable from a vendor located outside of the state.

(a) **CONTRACTS NOT TO BE SUBLET:** In accordance with Class B Printing Laws and Regulations "Printing shall be awarded only to printing firms. No contract shall be awarded to any broker, agent, or independent contractor offering printing manufactured by other firms or persons."

(b) **DISQUALIFICATION OF VENDOR:** Reasonable grounds for believing that a vendor is involved in more than one bid for the same work will be cause for rejection of all bids in which such vendors are believed to be involved. Any or all bids will be rejected if there is reason to believe that collusion exists between vendors. Bids in which the prices obviously are unbalanced will be subject to rejection.

(c) **TRADE CUSTOMS:** Current trade customs of the printing industry are recognized unless accepted by Special Conditions or Specifications herein.

(d) **COMMUNICATIONS:** It is expected that all materials and proofs will be picked up and delivered by the printer or his representative, unless otherwise specified. Upon request, materials will be forwarded by registered mail.

(e) **RETURN OF MATERIAL:** All copy, photos, artwork, and other materials supplied by the University of Florida must be handled carefully and returned in good condition upon completion of the job. Such return is a condition of the contract and payment will not be made until return is affected.

27. E-VERIFY COMPLIANCE. Agency is obligated to comply with the provisions of Section 448.095, Fla. Stat., "Employment Eligibility." Compliance with Section 448.095, Fla. Stat., includes, but is not limited to, utilization of the E-Verify System to verify the work authorization status of all newly hired employees. Vendor affirms and represents that it is registered with the E-Verify system and is using same, and will continue to use same as required by Section 448.095, Fla. Statute.

END OF SECTION

NOTE: ANY AND ALL SPECIAL CONDITIONS AND SPECIFICATIONS ATTACHED HERETO WHICH VARY FROM THE GENERAL CONDITIONS SHALL HAVE PRECEDENCE.

Bid Number: ITB22KO-133

**Title: Mound Septic System at
IFAS GCREC in Wimauma, FL**



AUTHORIZED REPRESENTATIVES AND CONTACT INFO:

UF Procurement Services
 Karen Olitsky
 971 Elmore Drive / PO Box 115250
 Gainesville, FL 32611-5250
 (352) 294-1163
kolitsk@ufl.edu

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I. Bidding Conditions

00020 Invitation to Bid
 00100 Instruction to Bidders
 00310 Bid Form
 01010 Summary of Work

II. General Terms and Conditions

<https://facilities.ufl.edu/wp-content/uploads/forms/contracts/GTC.pdf>

III. Division 0 Non-Technical Specifications

<https://facilities.ufl.edu/wp-content/uploads/forms/contracts/Div0NonTechSpecs.pdf>

IV. Division 1 Non-Technical Specifications

https://facilities.ufl.edu/wp-content/uploads/forms/contracts/Div1_NonTech_Specs_SEPT_2020.pdf

V. UF Design and Construction Standards

<https://facilities.ufl.edu/projects/forms-standards/design-construction-standards/>

VI. Standards, Policies, Regulations, Forms, Guides, Inspection & Closeout and References

<https://facilities.ufl.edu/projects/forms-standards/>

a. Other Forms

- Dig Permits: <https://www.facilityservices.ufl.edu/departments/utilities/dig-permits/>
- Building Codes Enforcement Inspections: <https://www.ehs.ufl.edu/departments/facility-support-services/building-codes-enforcement/inspections/>
- Fire Plan Review and Inspection: <https://www.ehs.ufl.edu/departments/facility-support-services/fire-safety/>

00020 - INVITATION TO BID

The Invitation to Bid shall be in accordance with the University of Florida, Procurement Services "Invitation to Bid Acknowledgement Form" with all relevant information provided therein.

END OF SECTION

00100 - INSTRUCTIONS TO BIDDERS**1.1 RELATED SECTIONS**

- A. Documents affecting the work of this Section include, but are not necessarily limited to, the General Terms & Conditions and other Sections in Divisions 0 and 1 of these Specifications.

1.2 THE WORK

PROJECT TITLE: Mound Septic System at IFAS GCREC in Wimauma, FL

1.3 SECURING DOCUMENTS

Copies of the proposed Contract Documents may be obtained from:

<https://procurement.ufl.edu/vendors/schedule-of-bids/>

1.4 BID FORM

To be considered responsive and responsible, make bids in accordance with the following:

- A. Make bids upon the forms provided, properly signed and with all items completed. Do not change the wording of the bid form and do not otherwise alter or add words to the bid form. Unauthorized conditions, limitations, or provisions attached to the bid may be cause for rejection of the bid.
- B. Include with bid a completed and signed Invitation to Bid Construction Acknowledgment Form.
- C. Include completed Section 00310 - Bid Form.
- D. Include list of subcontractors as described below in 1.7 Subcontracts.
- E. **Bids must be submitted no later than May 12, 2022 at 3:00PM, local time.** No bids received after the time fixed for receiving them will be considered. Late bids will be returned to the bidder unopened.
- F. Address bids to Karen Olitsky, Procurement Agent III, and deliver to:

University of Florida
Procurement Services
971 Elmore Drive / PO Box 115250
Gainesville, FL 32611-5250

Submit bid in a sealed envelope that includes the bid number, contractor name and date and time of the bid opening on the outside of the envelope. Submit one (1) original bid and one (1) electronic copy on flash drive or CD/DVD. It is the sole responsibility of the bidder to see that

bids are received on time. Faxed and/or emailed bids will not be accepted.

1.5 WITHDRAWAL OF BIDS

- A. A bidder may withdraw their bid, either personally or by written request, at any time prior to the scheduled time for opening bids.
- B. No bidder may withdraw their bid for a period of forty-five calendar days after the date set for opening thereof, and bids shall be subject to acceptance by the Owner during this period.

1.6 PROOF OF COMPETENCY AND QUALIFICATION OF BIDDERS

- A. A bidder may be required to furnish evidence, satisfactory to the Owner, that the bidder and the bidder's proposed subcontractors have sufficient means and experience in the types of work required to assure completion of the Contract in a satisfactory manner.
- B. A contract will be awarded only to a responsible bidder, qualified by experience and in a financial position to perform the work specified.
- C. If the bidder has not been pre-qualified with UF Procurement Services within the fiscal year (July 1 through June 30), the bidder may be required to submit the following evidence of eligibility:
 - 1. Evidence that bidder is licensed by the appropriate government agency to perform the work specified.
 - 2. Experience record showing bidder's training and experience in similar work.
 - 3. List a brief description of projects of similar size and/or complexity satisfactorily completed, with location, dates of contracts, names of contracts, and names and addresses of owners.

1.7 SUBCONTRACTS

If the Bidder intends to subcontract any of the Work:

- A. Each bidder shall furnish with its bid a list of all subcontractors for subcontracted scopes/packages of work valued at more than \$10,000.
- B. This list shall identify, for each subcontracted package in excess of \$10,000, the name and address of the proposed subcontractor and the approximate value of the subcontract.
- C. If the bidder does not intend to subcontract portions of the Work in amounts greater than \$10,000, then a statement to that affect shall be furnished with the bid.
- D. Each subcontractor performing work more than \$10,000 must present evidence of being qualified in and licensed for the applicable trade. Such proof of subcontractor licensure shall be provided by the successful bidder after award, but prior to commencement of Work.

1.8 PERFORMANCE AND PAYMENT BONDS

See General Terms & Conditions, Article 20.

1.9 BID DEPOSIT

Not required.

1.10 AWARD OR REJECTION OF BIDS

The Contract, if awarded, will be awarded to the responsible and responsive bidder who has proposed the lowest Contract Sum, subject to the owner's right to reject any or all bids and to waive informality and irregularity in the bids and in the bidding. Acceptance or rejection of any bid will be at the owner's sole discretion.

1.11 MANDATORY SITE VISIT

- A. A mandatory site visit will be held prior to the scheduled bid opening. The purpose of the site visit is to acquaint the bidders with the conditions under which the work must be performed. The site visit is open to interested bidders and prospective subcontractors. **This conference will be held April 26, 2022 at 11:00AM, local time at IFAS GCREC, 14625 County Road 672, Wimauma, FL 33598. Contractors should meet outside of the front entrance of the Administration Building.**
- B. Any questions or requests for clarification that arise as a result of the site visit must be emailed to Karen Olitsky, Procurement Agent II at kolitsk@ufl.edu, and will be answered in the form of an addendum.

1.12 EXECUTION OF AGREEMENT

- A. A Purchase Order (PO) will be issued for purposes of fiscal encumbrance and payment. The PO itself serves as the form of contract.
- B. Upon notice of Bid Award, the bidder to whom the Contract is awarded shall deliver to UF those Certificates of Insurance and Payment & Performance Bonds required by the Contract Documents.
- C. Bonds and Certificates of Insurance shall be approved by UF before the successful bidder may proceed with the Work.

1.13 INTERPRETATION OF CONTRACT DOCUMENTS PRIOR TO BIDDING

- A. If any person contemplating submitting a bid for construction of the Work is in doubt as to the true meaning of any part of the Contract Documents, or finds discrepancies in or omissions from any part of the Contract Documents, they may submit a written request for interpretation thereof no later than **April 29, 2022 at 5:00PM**, local time, to Karen Olitsky, Procurement Agent III at kolitsk@ufl.edu. The person submitting the request shall be responsible for its prompt delivery.
- B. Interpretations or corrections of proposed Contract Documents will be made only by Addendum and will be available on the Procurement Services "Schedule of Bids" webpage <https://procurement.ufl.edu/vendors/schedule-of-bids/>. The Owner will not be responsible for any other explanations or interpretations of the proposed Contract Documents.

END OF SECTION

00310 - BID FORMS**BID PROPOSAL**

FROM:

(Name of Bidder)

TO:

UNIVERSITY OF FLORIDA
 PROCUREMENT SERVICES
 971 Elmore Drive
 P.O. Box 115250
 Gainesville, Florida 32611-5250

The undersigned, hereinafter called "Bidder", having reviewed the Contract Documents for the Project entitled **ITB22KO-133 Mound Septic System at IFAS GCREC in Wimauma, FL** and having visited and thoroughly inspected the site of the proposed Project and familiarized himself/herself with all conditions affecting and governing the construction of said Project, hereby proposes to furnish all labor, materials, equipment and other items, facilities and services for the proper execution and completion of the Project, in strict compliance with the Contract Documents, Addenda, and all other Documents relating thereto on file in Procurement Services, and, if awarded the Contract, to complete the said Work within the time limits called for in the Documents and as stated herein, for the sums as enumerated on this and the following pages:

BASE BID:

Dollars

Figures: \$_____

ADDENDA:

Receipt of the following Addenda to the Construction Documents is acknowledged:

ADDENDUM #_____ Dated _____

ADDENDUM #_____ Dated _____

COMPLETION DATE:

All Work covered by the Bidding Documents and the foregoing Base Bid shall be completed and ready for Owner's occupancy as specified in the contract documents.

SIGNATURE:

I hereby certify that for all statements and amounts herein made on behalf of

(Name of Bidder)

a (Corporation) (Partnership) (Individual) organized and existing under the laws of the State of Florida, I have carefully prepared this Bid Proposal from Contract Documents described hereinbefore, I have examined Contract Documents and local conditions affecting execution of Work before submitting this Bid Proposal, I

have full authority to make the statements and commitment herein and submit this Bid Proposal in (its) (their) behalf, and all statements are true and correct.

Signed and sealed this _____ day of _____, 2022.

(Signature of Bidder)

(Print Name)

(Title)

WITNESS:

(Signature of Witness)

(Print Name)

Address: _____

(City) (State) (Zip Code)

END OF SECTION

01010 - SUMMARY OF WORK

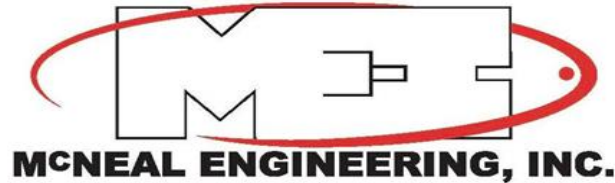
This ITB is for all labor and materials required for the removal and disposal of existing septic field and installation of new mound septic system at the IFAS Gulf Coast Research and Education Center, 14625 CR 672, Wimauma, FL, 33598. Please see Attachments A-C for exact specifications.

Attachment A: Contractor Bid Item List

Attachment B: Septic Plan

Attachment C: Permit

END OF SECTION



CONTRACTOR BID ITEM LIST

GULF COAST RESEARCH & EDUCATION CENTER SEPTIC

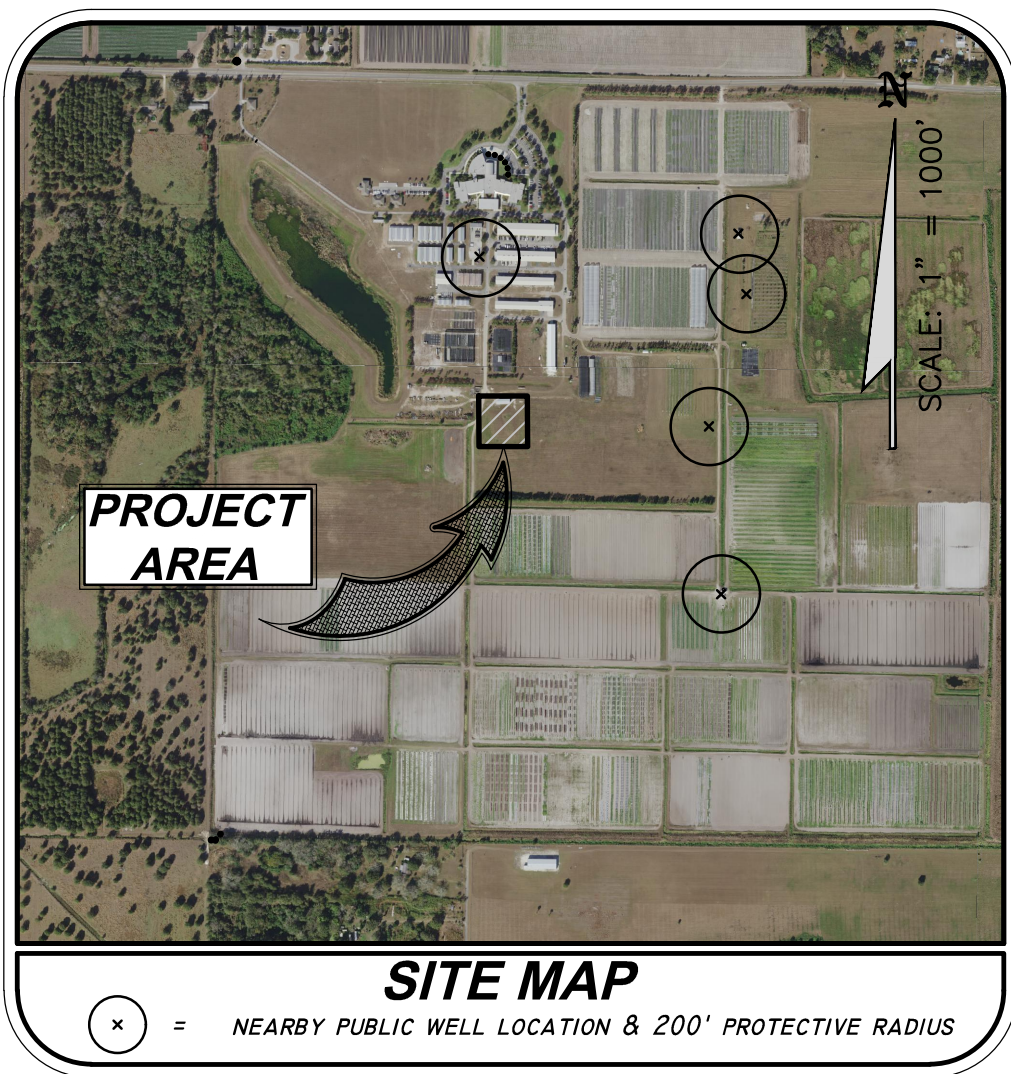
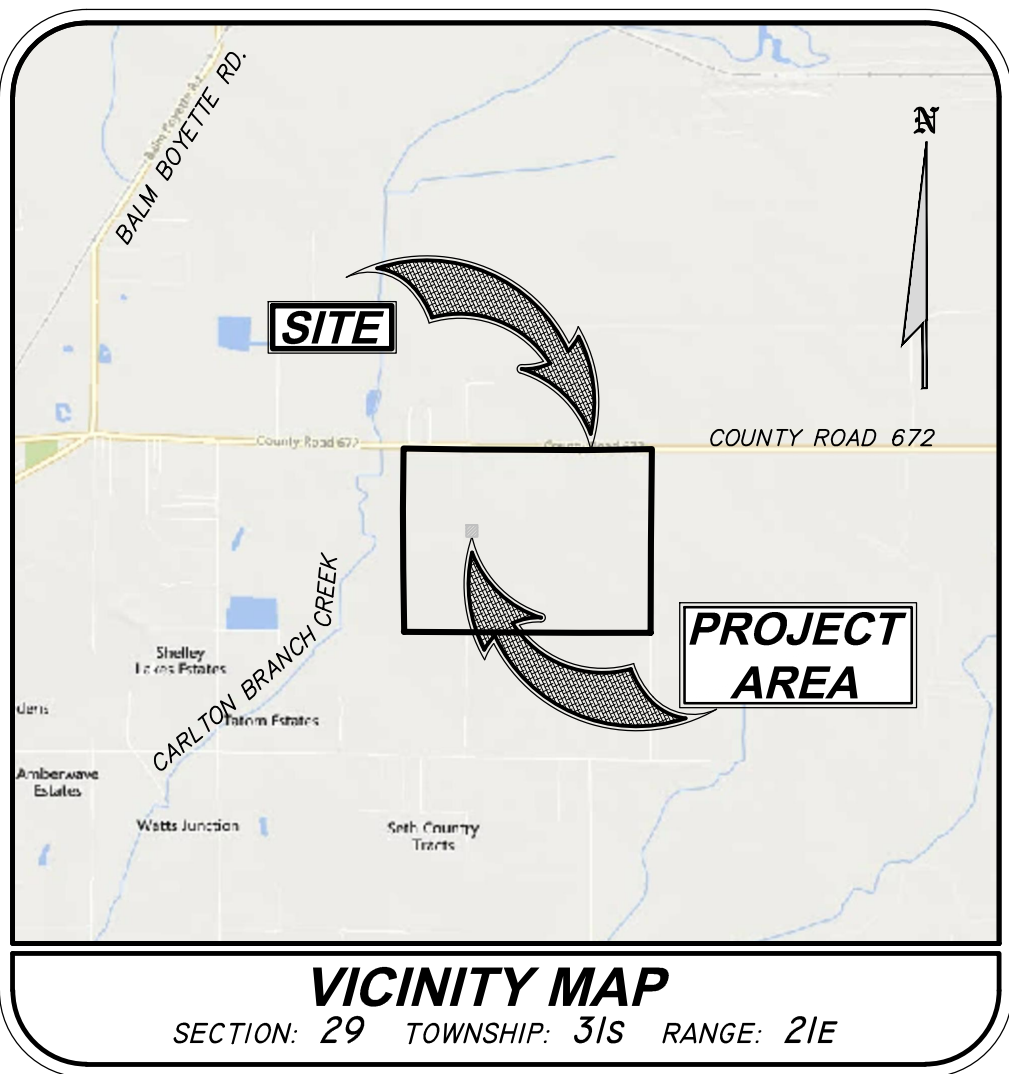
MEI FILE #21-067

March 18, 2022

Description	Units	Quantity
Miscellaneous		
Removal and Disposal of Existing Septic Field	LS	1
Mobilization	LS	1
Septic		
2" Schedule 40 PVC Pipe	LF	149
8" Schedule 40 PVC Pipe	LF	16
3,000 Gallon Precast Septic Tank (Stage I) (Category 4)	EA	1
3,000 Gallon Precast Septic Tank (Stage II) (Category 4)	EA	1
3,000 Gallon Precast Dosing Tank (Category 4)	EA	1
ADS Septic Stack-9 Drainfield Material w/ Filter Fabric	SF	4,200
K-Rain 4000 Indexing Valve Model #4403	EA	1
2" x 1.25" Reducer	EA	4
Valve Box		
2" Unions	EA	2
2" Gate Valves	EA	2
2" Check Valves	EA	2
26" x 38" Composite Valve Box	EA	1
17" x 30" Valve Box Lid	EA	1
Pumps		
Ebara EPD-15MT4 Alternating Duplex Pumps (1 1/2 HP)	EA	2
Ebara 50DWX 2" Solids Handling Pump (1/2 HP)	EA	2
Earthwork		
Estimated Fill	CY	65

CONSTRUCTION METHOD:

The existing system is currently operating on the **western half** of the existing drainfield only. When beginning construction, the **eastern half** of the drainfield will need to be installed first, along with the proposed fill to expand the mound further east. Next the proposed tanks and their respective piping will be set into place, while being connected to the newly installed **eastern half** of the drainfield. Once the **eastern half** of the proposed system is ready for operating, the existing system will need to be either temporarily shut off, or running with a pump truck on site to clean out the existing tanks while the new connection is made. Once the connection is made to the new tanks, the proposed system may start operating using the **eastern half** of the drainfield while the remaining, **western half** becomes installed. Contractor to coordinate with the DOH and EOR as necessary to resolve any issues that may arise during construction and to complete the installation and certification process.



LEGAL DESCRIPTION

THE WEST 1/2 OF THE NORTHWEST 1/4 OF SECTION 28, LESS THE NORTH 70 FEET THEREOF AS RIGHT OF WAY FOR COUNTY ROAD 672 AND LESS THE EAST 50 FEET THEREOF AS RIGHT OF WAY FOR SWEAT LOOP ROAD;

AND THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 28, LESS THE EAST 50 FEET THEREOF AS RIGHT OF WAY FOR SWEAT LOOP ROAD;

AND THE NORTHEAST 1/4 OF SECTION 29, LESS THE NORTH 70 FEET THEREOF AS RIGHT OF WAY FOR COUNTY ROAD 672;

AND THE EAST 1/2 OF THE NORTHWEST 1/4 OF SECTION 29, LESS THE NORTH 70 FEET THEREOF AS RIGHT OF WAY FOR COUNTY ROAD 672 AND LESS THE WEST 15 FEET THEREOF;

AND THE NORTHEAST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 29;

AND THE NORTH 1/2 OF THE SOUTHEAST 1/4 OF SECTION 29;

AND THAT PART OF THE SOUTHEAST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 29, LYING NORTH OF THE CENTER LINE OF THE EXISTING COUNTY DRAINAGE CANAL, WHICH CENTER LINE IS LOCATED APPROXIMATELY AS FOLLOWS: COMMENCING 33 FEET, MORE OR LESS, SOUTH OF THE NORTHWEST CORNER OF SAID SOUTHEAST 1/4 OF THE SOUTHWEST 1/4, ON THE WEST BOUNDARY OF SAID SOUTHEAST 1/4 OF THE SOUTHWEST 1/4, THENCE PROCEED IN A NORTHEASTERLY DIRECTION TO THE NORTHEAST CORNER OF SAID SOUTHEAST 1/4 OF THE SOUTHWEST 1/4.

SEPTIC FIELD SIZING					
FLOW CALCULATIONS					
Entity	Quantity	Unit	GPD/Unit	Flow	Units
Admin/Staff (Day)	65	Employee	15	975	gpd
Student (Day)	146	Students	10	1,460	gpd
Student (Boarding)	34	Residents	75	2,550	gpd
Total				4,985	gpd
Design Flow				4,985	gpd
TANK SIZING					
Status	Quantity	Tank Size	Units		
Proposed (Septic)	2	3,000	gal		
Proposed (Dosing)	1	3,000	gal		
DRAINFIELD CALCULATIONS					
Area Required					Units
Existing Drainfield Area (Credit)				0	sf
Number of Equivalent Fields Proposed				1	
Percolation Rate				0.80	gpd/sf
Total Drainfield (Standard) Required/Field				6,232	sf
Product Information					Units
Product to Use			ADS Septic Stack 9		
Credit Per LF of Product			3.0		sf
Width of Product			23.5		inches
Total Length of Product Required Per Field			2,077		ft

LOW PRESSURE DOSING CALCULATION	
Manifold Type	end
# of Laterals	7
Manifold Offset	6 inches
Length of Trench	100 feet
Length of Lateral (use)	99.5 feet
Operation Head	2 feet
Hole Diameter	1 1/4 inches
Hole Spacing	4.0 feet
Lateral Diameter	1.50 inches
Flow Rate per Hole	1.04 gpm
Number of Holes per Lateral	23
Flow Rate per Lateral	23.9 gpm
Manifold Length	24 feet
Manifold Diameter	1.5 inches
# of Fields per Dose	1
# of Fields in System	3
Minimum Dose Volume	64 gal
Dosing Frequency	6 doses/day
Dose Volume	277 gal/dose
Minimum Discharge Rate	56 gpm

PERMIT REFERENCES:	
DOH: #29-SH-2296939	

SEPTIC SYSTEM NOTES

- THIS PLAN HAS BEEN DEVELOPED TO SUPPORT THE DESIGN AND CONSTRUCTION OF THE MOUND SEPTIC SYSTEM FOR 14625 CR 672, WIMAUMA, FL 33598.
- SITE MAP AND SITE IMPROVEMENTS ARE TO BE COMPLETED BY OTHERS.
- THERE ARE NO DOMESTIC WELLS WITHIN 75 FEET AND NO PUBLIC WELLS WITHIN 200 FEET OF THE SEPTIC SYSTEM.
- THE INSTALLER AND MAINTENANCE CONTRACTOR OF THE SEPTIC SYSTEM IS TO BE DETERMINED.
- SPECIFIED MATERIALS MAY BE SUBSTITUTED WITH ENGINEER OF RECORD APPROVED EQUIVALENT.
- CONTRACTOR TO ASSURE PROPOSED TANKS HAVE THE APPROPRIATE STRENGTH TO WITHSTAND THE DESIGN DEPTH.
- DOSING TANK TO BE DUPLEX & ALTERNATING PUMPS EACH CYCLE.

THE PARCEL SHOWN HEREON APPEARS TO FALL WITHIN FLOOD ZONE "X" & "AE", PER THE FLOOD INSURANCE RATE MAP 12057C, COMMUNITY PANEL NUMBER 0540 H. DATED 8/28/2008. BASE FLOOD ELEV = 117 (FEMA) OR 121.94 (HC NODE #967020).

PREVIOUSLY PROPOSED CONTOURS SHOWN AS EXISTING IN AREA NOT PREVIOUSLY PROPOSED FOR IMPROVEMENT.

DOSING STATION SPECIFICATIONS	
PUMP:	Ebara EPD-15MT4
TANK CAPACITY (GAL) =	3,000
ACCESS ELEVATION =	126.00
TOP ELEVATION =	124.71
INVERT ELEVATION =	123.67
ALARM ON ELEVATION =	122.42
PUMP ON ELEVATION =	121.42
PUMP OFF ELEVATION =	121.17
BOTTOM ELEVATION =	119.67

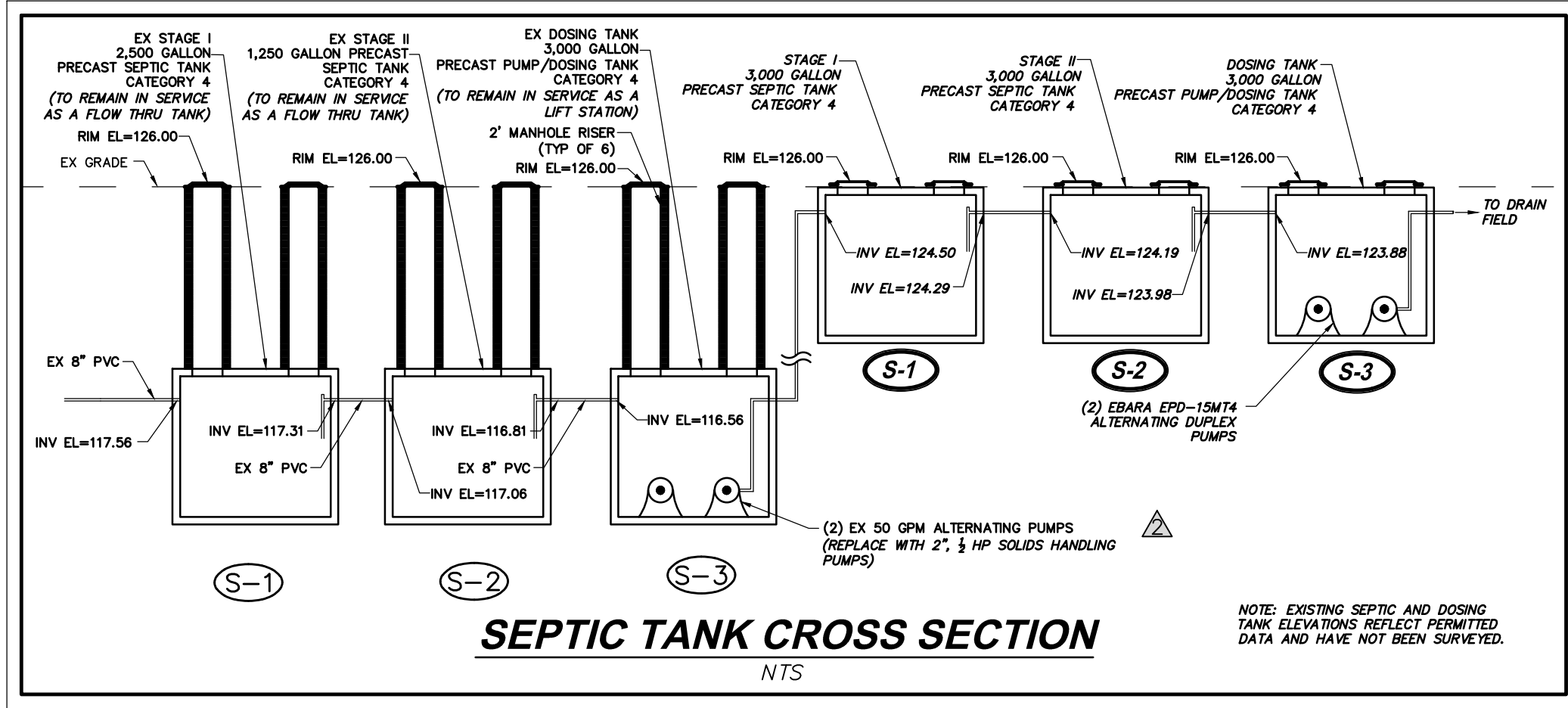
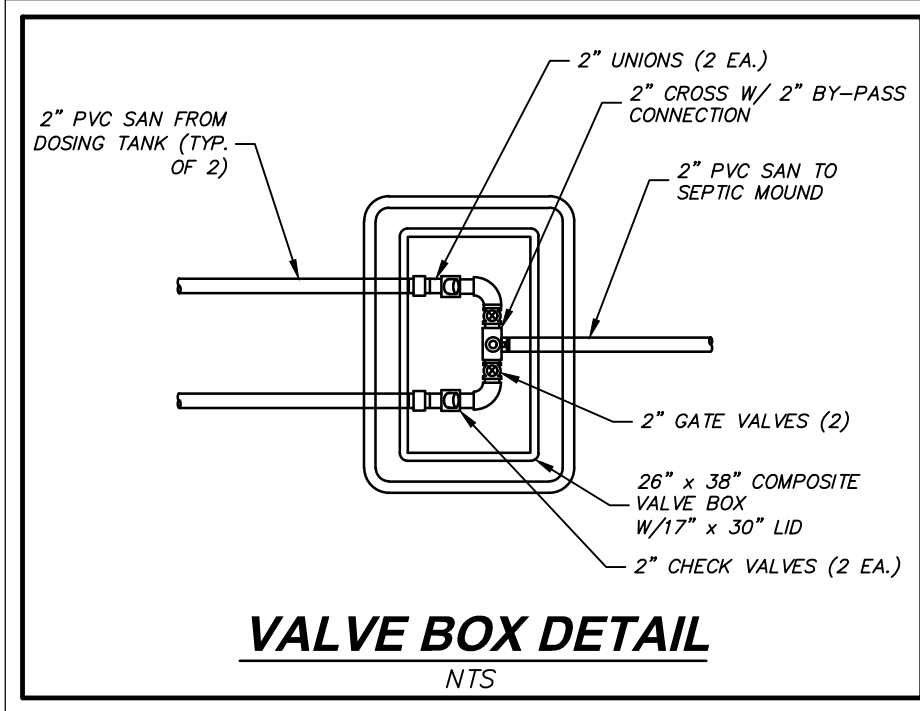
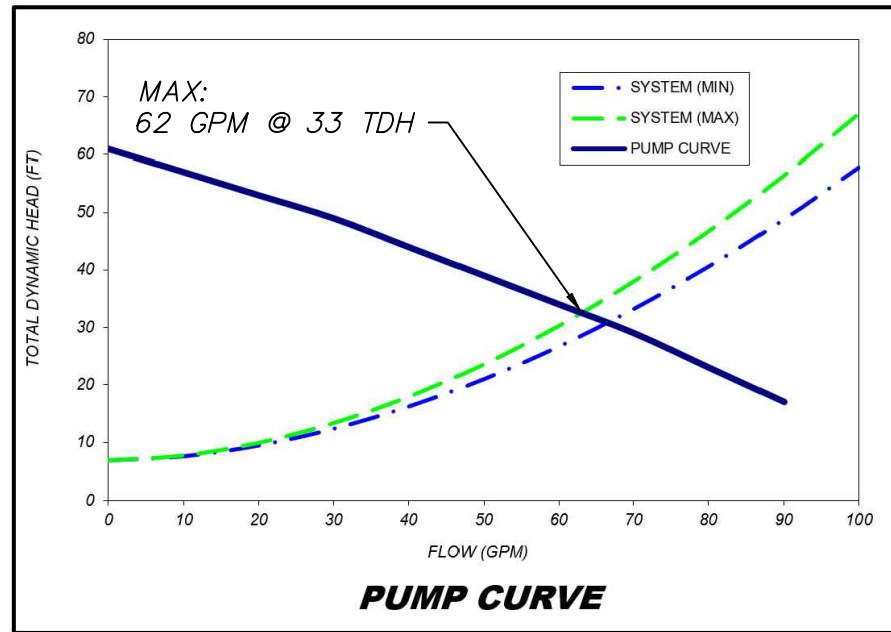
PUMP CYCLE CALCULATION	
DOSING VOLUME & ELEVATION	
Single Chamber	YES
Residential (R) or Commercial (C)	C
Required Tank Capacity	3,000 gallons
Tank Capacity Selected	3,000 gallons
Width	99.0 inches
Length	187.5 inches
Volume/Vertical Foot	964 gallons
LPD Dosing Volume	312 gal/dose
On Elevation Relative to Off	4 inches
NOTE: All gravity piping through tank to be minimum 4" PVC min., SDR 35.	

STATION LOSSES		2.0 SIZE (IN)	
DESCRIPTION	QUANTITY	EQUIV	TOTAL
		LENGTH	LENGTH
PVC PIPE	10	2	15
45° BEND	0	5	0
90° BEND	2	9	18
CROSS	0	22	0
GATE VALVE	1	3	3
CHECK VALVE	1	20	20
REDUCER	1	6	6
TOTAL EQUIVALENT LENGTH =		62	

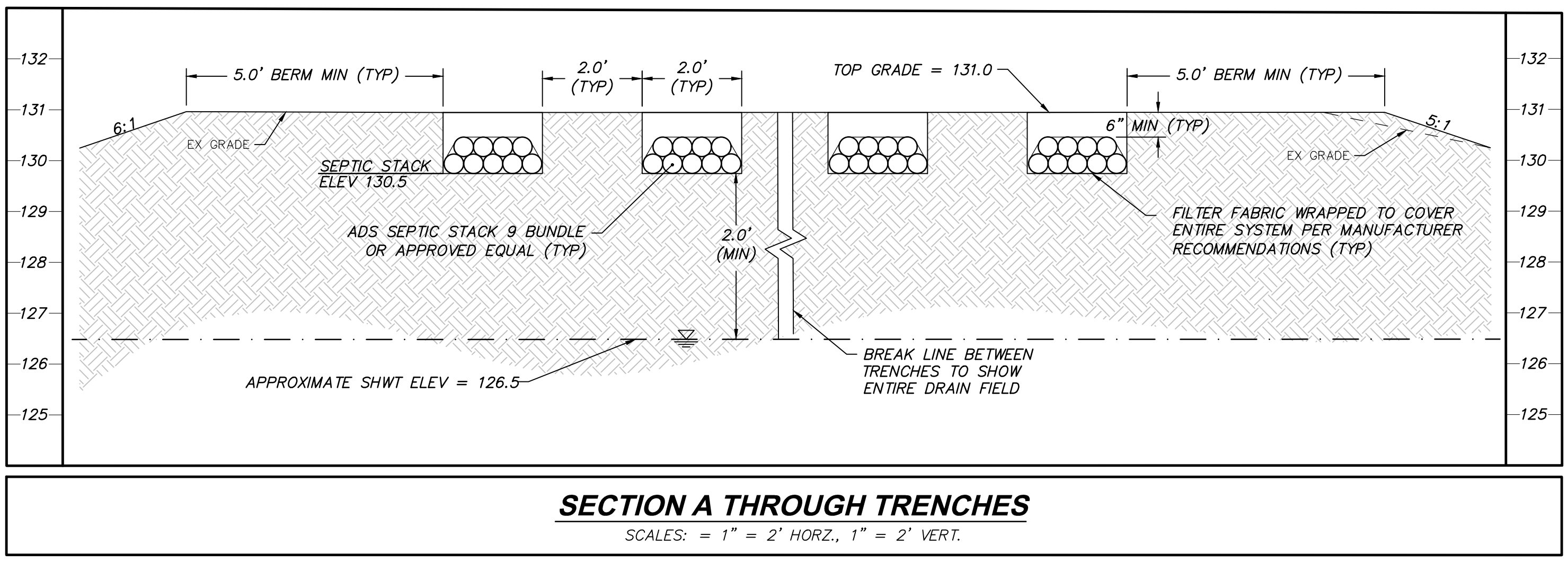
MAINLINE (MIN)		2.0 SIZE (IN)	
DESCRIPTION	QUANTITY	EQUIV	TOTAL
		LENGTH	LENGTH
PVC PIPE	83	1	83
45° BEND	2	5	10
90° BEND	1	9	9
K RAIN VALVE	1	35	35
TEE	0	22	0
TOTAL EQUIVALENT LENGTH =		137	

MAINLINE (MAX)		2.0 SIZE (IN)	
DESCRIPTION	QUANTITY	EQUIV	TOTAL
		LENGTH	LENGTH
PVC PIPE	110	1	110
45° BEND	2	5	10
90° BEND	2	9	18
K RAIN VALVE	1	35	35
TEE	0	22	0
TOTAL EQUIVALENT LENGTH =		173	

CALCULATION OF STATIC HEAD	
HIGHEST INV IN FORCE MAIN =	131.00
BOTTOM ELEV OF WETWELL =	126.08
STATIC HEAD =	4.92



TDH DATA TABLE												
FLOW	STATION LOSSES		MAINLINE (MIN)		MAINLINE (MAX)		FRICTION LOSS		STATIC HEAD (TDH)	SYSTEM HEAD (TDH)	TOTAL TDH	
	2.0 " PVC		2.0 " PVC		2.0 " PVC						MIN	MAX
	C = 120		C = 120		C = 120						MIN	MAX
(gpm)	(FT/100')	(TOTAL)	(FT/100')	(TOTAL)	(FT/100')	(TOTAL)	(FT)	(FT)	(FT)	(FT)	(FT)	(FT)
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.92	2.00	6.92	6.92
10	0.36	0.22	0.36	0.49	0.36	0.62	0.72	0.85	4.92	2.00	7.64	7.77
20	1.30	0.81	1.30	1.78	1.30	2.25	2.59	3.06	4.92	2.00	9.51	9.98
30	2.76	1.71	2.76	3.78	2.76	4.77	5.48	6.48	4.92	2.00	12.40	13.39
40	4.69	2.91	4.69	6.43	4.69	8.12	9.34	11.03	4.92	2.00	16.25	17.94
50	7.09	4.40	7.09	9.71	7.09	12.27	14.11	16.66	4.92	2.00	21.03	23.58
60	9.93	6.16	9.93	13.61	9.93	17.19	19.77	23.35	4.92	2.00	26.69	30.26
70	13.21	8.19	13.21	18.10	13.21	22.86	26.29	31.05	4.92	2.00	33.21	37.97
80	16.91	10.49	16.91	23.17	16.91	29.26	33.66	39.75	4.92	2.00	40.58	46.67
90	21.03	13.04	21.03	28.82	21.03	36.39	41.86	49.43	4.92	2.00	48.77	56.34
100	25.56	15.85	25.56	35.02	25.56	44.22	50.86	60.07	4.92	2.00	57.78	66.98



GULF COAST RESEARCH & EDUCATION CENTER
14625 CR 672, WIMAUMA, FL 33598

UNIVERSITY OF FLORIDA INSTITUTE OF FOOD & AGRICULTURE SCIENCES

Christopher S. McNeal,
Professional Engineer,
License No. 36193
This item has been digitally signed and sealed by Christopher S. McNeal, PE on Dec. 16, 21.

McNEAL ENGINEERING, INC.
15957 N. FLORIDA AVE, LUTZ, FL 33549
PH. (813) 968-1081 FAX (813) 961-5839
CA #08975, LB #8384

JOB NO. 21-067
ACAD FILE: SEPTIC
DRAWN BY: PB
CHK'D BY: CM
DATE: 21.12.16
SHEET: 1 OF 1



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

PERMIT #: **29-SH-2296939**
APPLICATION #: **AP1667054**
DATE PAID: _____
FEE PAID: _____
RECEIPT #: _____
DOCUMENT #: **PR1581706**

CONSTRUCTION PERMIT FOR: OSTDS Repair

APPLICANT: (University of Florida Board of Trustees)

PROPERTY ADDRESS: 14625 672 Hwy Wimauma, FL 33598

LOT: _____ BLOCK: _____ SUBDIVISION: _____

PROPERTY ID #: 088671.0000 [SECTION, TOWNSHIP, RANGE, PARCEL NUMBER]
[OR TAX ID NUMBER]

SYSTEM MUST BE CONSTRUCTED IN ACCORDANCE WITH SPECIFICATIONS AND STANDARDS OF SECTION 381.0065, F.S., AND CHAPTER 64E-6, F.A.C. DEPARTMENT APPROVAL OF SYSTEM DOES NOT GUARANTEE SATISFACTORY PERFORMANCE FOR ANY SPECIFIC PERIOD OF TIME. 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 DEVELOPMENT OF THIS PROPERTY.

SYSTEM DESIGN AND SPECIFICATIONS

T [3,000] GALLONS / GPD Septic Tank in series CAPACITY
A [3,000] GALLONS / GPD Septic tank in series CAPACITY
N [0] GALLONS GREASE INTERCEPTOR CAPACITY [MAXIMUM CAPACITY SINGLE TANK:1250 GALLONS]
K [3,000] GALLONS DOSING TANK CAPACITY [277.00] GALLONS @ [6] DOSES PER 24 HRS #Pumps [2]

D [6,300] SQUARE FEET ADS 9-pipe (3 zones) SYSTEM

R [0] SQUARE FEET _____ SYSTEM

A TYPE SYSTEM: [] STANDARD [] FILLED [x] MOUND [] _____

I CONFIGURATION: [x] TRENCH [] BED [] _____

N

F LOCATION OF BENCHMARK: Orange dot on concrete slab.

I ELEVATION OF PROPOSED SYSTEM SITE [19.00] [INCHES / FT] [ABOVE / BELOW] BENCHMARK/REFERENCE POINT

E BOTTOM OF DRAINFIELD TO BE [2.00] [INCHES / FT] [ABOVE / BELOW] BENCHMARK/REFERENCE POINT

L

D FILL REQUIRED: [39.00] INCHES EXCAVATION REQUIRED: [] INCHES

SYSTEM INSTALLER TO VERIFY ALL PERMIT NUMBERS (SITE ELEVATION, BOTTOM OF DRAINFIELD, AND FILL AMOUNT) COINCIDE AND MATCH THE SITE PRIOR TO INSTALLATION. If they do not, contact Hillsborough County Health Unit to review the permit. Contact system designer for LPDN specifications and dosing questions. (1.5" laterals w/1/4" orifices on 4' spacings) use K-Rain indexing valve to dose (3) zones for distribution. Excavate All existing DF materials and spoils materials and backfill with clean slightly limited septic sand. Install repair in existing mound location. Maintain height of existing DF. Stabilize shoulder and slopes as necessary. (Comments Continued on Page 2.)

SPECIFICATIONS BY: Chris *McNeal TITLE: Professional Engineer

APPROVED BY: Michael A Dreyer TITLE: Environmental Supervisor II Hillsborough CHD

DATE ISSUED: 01/03/2022 EXPIRATION DATE: 09/16/2021

DH 4016, 08/09 (Obsoletes all previous editions which may not be used)

Incorporated: 64E-6.003, FAC

DOCUMENT #: PR1581706

PE design indicates "wrapping" DF product in filter fabric. Consult design PE for this specification. PE to provide letter verifying that the system was installed according to PE design to local health unit prior to system final approval.

2800, 1500 Existing Septic Tanks, Existing 300 dosing tank to remain as pretreatment tanks.

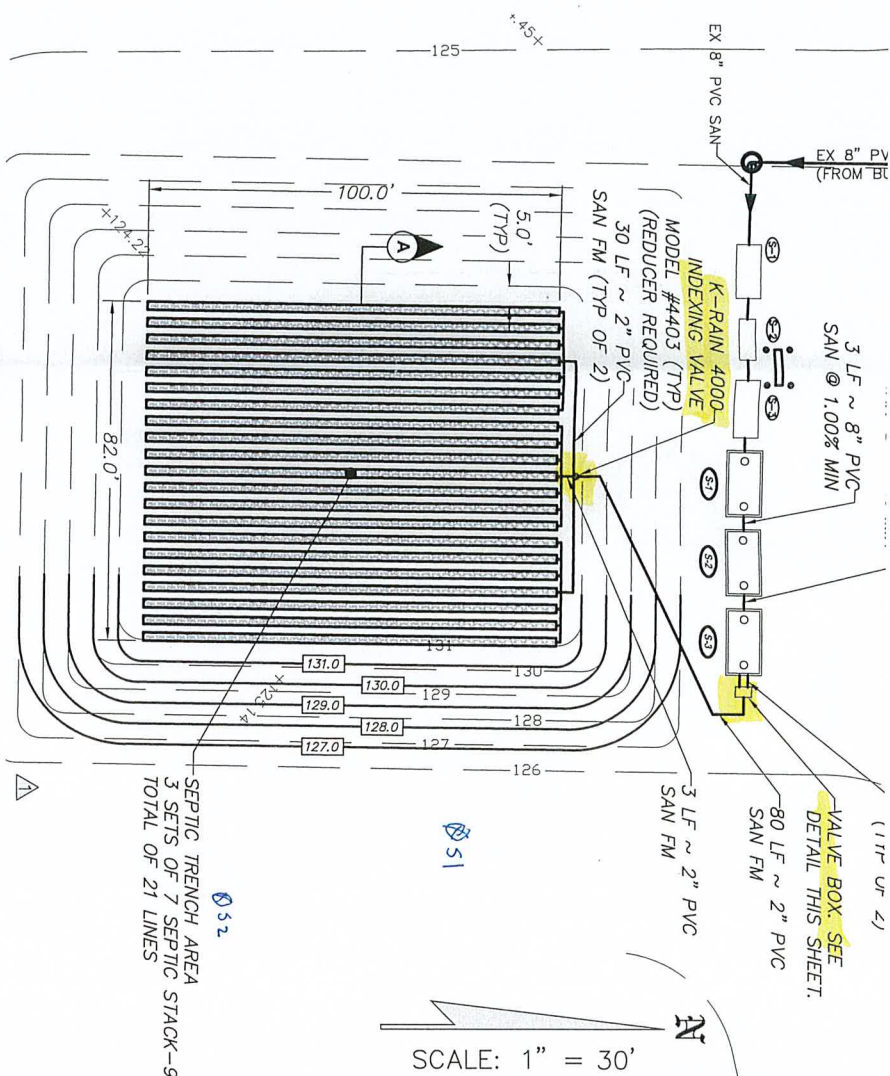
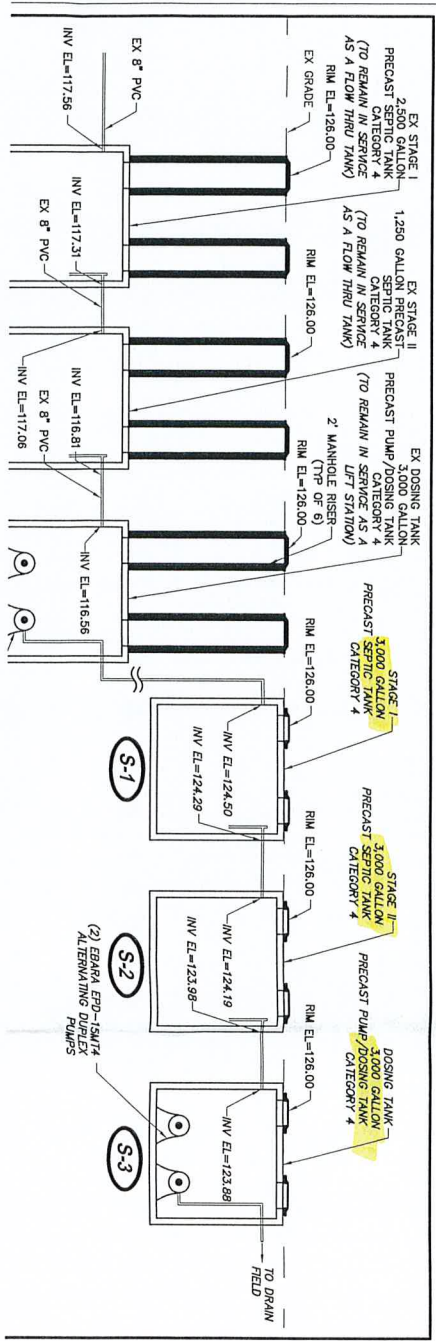
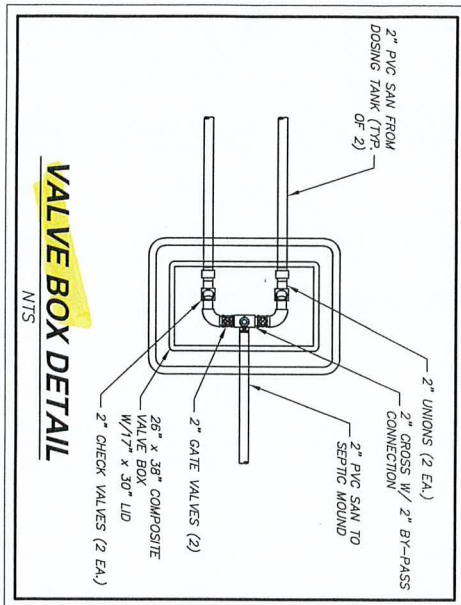
NOTICE OF RIGHTS

A party whose substantial interest is affected by this order may petition for an administrative hearing pursuant to sections 120.569 and 120.57, Florida Statutes. Such proceedings are governed by Rule 28-106, Florida Administrative Code. A petition for administrative hearing must be in writing and must be received by the Agency Clerk for the Department, within twenty-one (21) days from the receipt of this order. The address of the Agency Clerk is 4052 Bald Cypress Way, BIN A-02, Tallahassee, Florida 32399. The Agency Clerk's facsimile number is 850-413-8743.

Mediation is not available as an alternative remedy.

Your failure to submit a petition for hearing within 21 days from receipt of this order will constitute a waiver of your right to an administrative hearing, and this order shall become a 'final order'.

Should this order become a final order, a party who is adversely affected by it is entitled to judicial review pursuant to Section 120.68, Florida Statutes. Review proceedings are governed by the Florida Rules of Appellate Procedure. Such proceedings may be commenced by filing one copy of a Notice of Appeal with the Agency Clerk of the Department of Health and a second copy, accompanied by the filing fees required by law, with the Court of Appeal in the appropriate District Court. The notice must be filed within 30 days of rendition of the final order.



SHEET TITLE:

SEPTIC PLAN

[illegible]

Admin/Staff (Day)	65	Employee	15	975	gpd
Student (Day)	146	Students	10	1,460	gpd
Student (Boarding)	34	Residents	75	2,550	gpd
Total				4,985	gpd
Design Flow				4,985	gpd
TANK SIZING					
Status	Quantity	Tank Size	Units		
Proposed (Septic)	2	3,000	gal		
Proposed (Dosing)	1	3,000	gal		
DRAINFIELD CALCULATIONS					
Area Required				Units	
Existing Drainfield Area (Credit)				0	sf
Number of Equivalent Fields Proposed				1	
Percolation Rate				0.80	gpd/sf
Total Drainfield (Standard) Required/Field				6,232	sf
Product Information					
Product to Use				ADS Septic Stack 9	Units
Credit Per LF of Product				3.0	sf
Width of Product				23.5	Inches
Total Length of Product Required Per Field				2,077	ft

LOW PRESSURE DOSING CALCULATION				
Manifold Type		end		
# of Laterals		7		
Manifold Offset		6	Inches	
Length of Trench		100	feet	
Length of Lateral (use)		99.5	feet	
Operation Head		2	feet	
Hole Diameter		1/4	Inches	
Hole Spacing		4.0	feet	
Lateral Diameter		1.50	Inches	
Flow Rate per Hole		1.04	gpm	
Number of Holes per Lateral		23		
Flow Rate per Lateral		23.9	gpm	
Manifold Length		24	feet	
Manifold Diameter		1.5	Inches	
# of Fields per Dose		1		
# of Fields in System		3		
Minimum Dose Volume		64	gal	
Dosing Frequency		6	doses/day	
Dose Volume		277	gal/dose	
Minimum Discharge Rate		56	gpm	

Width	99.0	Inches
Length	187.5	Inches
Volume/Vertical Foot	964	gallons
LPD Dosing Volume	312	gal/dose
On Elevation Relative to Off	4	Inches
NOTE: All gravity piping through tank to be minimum 4" PVC min., SDR 35.		

STATION LOSSES			
		2.0	SIZE (IN)
		PVC	MATL
DESCRIPTION	QUANTITY	EQUIV LENGTH	TOTAL LENGTH
PVC PIPE	10	2	15
45° BEND	0	5	0
90° BEND	2	9	18
CROSS	0	22	0
GATE VALVE	1	3	3
CHECK VALVE	1	20	20
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		PVC	MATL
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TOTAL EQUIVALENT LENGTH = 173			

MAINLINE (MAX) 173

