DODGE COUNTY

REQUEST FOR BIDS

New Septic System Installation at Astico Park

Land Resources & Parks Department, Dodge County, WI

RFB NUMBER: #82 2025-02

Issued Date: January 21, 2025

RFB Opening
February 6, 2025 at 10:00 am CST

Dodge County Administration Building
Conference Room 3A – Third Floor
127 E Oak St
Juneau, WI 53039

Submit Sealed RFB's To:

Dodge County Clerk
Administration Building
127 E Oak St.
Juneau, WI 53039
(920) 386-3600

Office Hours: 8:00 am – 4:30 pm Monday through Friday

DODGE COUNTY CORPORATION COUNSEL
Purchasing Division
127 East Oak Street, Juneau, WI 53039
(920)386-4224
Email: tsteinbach@co.dodge.wi.us

Request for Bids (RFB)
New Septic System Installation at Astico Park
Land Resources & Parks Department, Dodge County, WI
RFB NUMBER: #82 2025-02

Dodge County is requesting sealed bids from qualified firms for a new septic system installation at Astico Park located at N3620 County Road TT, Columbus, WI.

Request for bid packets will be available starting January 21, 2025, on the Dodge County website at https://www.co.dodge.wi.gov/departments/departments-e-m/finance/request-for-proposals-bids and may also be obtained on DemandStar at: www.demandstar.com .

Bids must be submitted to the Dodge County Clerk no later than 10:00 am CST on Thursday, February 6, 2025. Bids must be submitted in a sealed envelope marked "New Septic System Installation at Astico Park." No faxed or emailed bids will be accepted and there is not an option to submit bids online.

A non-mandatory onsite visit will be held on Thursday, January 30, 2025 at 10:00 am CST, at Astico Park, N3620 County Rd TT, Columbus, WI. This is an opportunity to see the project site, the site conditions and to take measurements for this project.

Dodge County encourages the participation of minority, women-owned and disadvantaged business enterprises. Dodge County reserves the right to waive any informalities or technicalities and to reject any and all bids or parts thereof deemed to be unsatisfactory or not in the County's best interest. Furthermore, Dodge County reserves the right to cancel any order or contract for failure of the successful vendor/contractor to comply with the terms, conditions and specifications of the request and/or contract. Dodge County reserves the right to award this request to the vendor/contractor whose bid is overall the most advantageous to the County in the County's sole determination.

Trista Steinbach
Purchasing Agent

(Publish January 21 and January 28, 2025)

I. Request for Bid

Dodge County is requesting sealed bids for the installation of a new septic system at Astico Park for a new prefabricated restroom/shower building.

Job Address: Dodge County Astico Park, N3620 County Road TT, Columbus, WI.

II. Project Scope

Provide all materials, equipment/tools, and labor to install a new mound sanitary system for the new Astico Park prefabricated restroom/shower facility. The soil test and design for the system have already been completed and state approval has been received (see attached). The estimate must include any plumbing and electrical between the system and the proposed building site to include mechanical rough-ins and floor drain connections to the restroom/shower building. Erosion control measures shall be taken throughout the construction of the sanitary system, and it shall be seeded upon completion. The contractor shall obtain the sanitary permit from the County and will be responsible for setting up the inspection of the system. The contractor shall be responsible for locating any private utilities. Contractor shall coordinate mechanical rough-ins to include floor drains with the Site Prep Contractor (TBD via a separate bid), and the building supplier (Huffcutt Concrete). The Contractor shall submit a proposed service agreement/contract with their bid package.

III. Project Timeline

Mound system installation with mechanical connections, depending on weather conditions:

- Project Start — April 1, 2025
- Mound Installation — April 1, 2025
- Site Prep work for restroom/shower building (Site Prep Contractor - TBD) — April 1, 2025
- Deliver and Install of restroom/shower building (Huffcutt Concrete) — May – June 2025
- Project Complete — July 15, 2025

Dodge county is requesting this project to be completed by: July 15, 2025.

IV. Pre-Bid Meeting

A non-mandatory onsite visit is scheduled for Thursday, January 30, 2025 at 10:00 am CST, at Astico Park, N3620 County Rd TT, Columbus, WI. This is an opportunity to see the project site, the site conditions, and to take measurements for this project.

V. Submittal Schedule

Task	**Date**
RFB Issued	January 21, 2025
Non-Mandatory Pre-Bid Meeting	January 30, 2025 at 10:00 am CST
Deadline for questions: Questions must be emailed to: tsteinbach@co.dodge.wi.us	January 31, 2025 at 9:00 am CST
Final Addendum Issued	February 3, 2025 at 4:00 pm CST
BID Submission Deadline & Public Opening	February 6, 2025 at 10:00 am CST
Review and Recommendation	February 2025
County Board Approval	February 19, 2025
Contract Negotiation / Awarding of Contract	February/March 2025

VI. Bid Opening

The Bid Opening will take place on Thursday, February 6, 2025, at 10:00 am CST at the Dodge County Administration Building, Conference Room 3A – Third Floor, 127 E Oak St, Juneau, WI 53039

Dodge County reserves the right to request any additional information that it deems necessary during the evaluation process.

VII. Insurance Requirements

Minimum Scope and Limits

A. Architects, Engineers, Other professionals – Errors & Omissions (Professional Liability) coverage, with a minimum limit of $1,000,000 per claim, $2,000,000 annual aggregate. This insurance is to be maintained for at least two years after completion of the project. If the vendor/contractor changes insurance carriers and this policy is provided on a "claims made" basis, the vendor/contractor will secure the appropriate coverage extension to provide coverage to the project for a period of at least two years following the completion of the project.

B. Commercial General Liability coverage with limits of no less than the following:

1.	General aggregate limit per project (Other than Products-Completed Operations)	$2,000,000
2.	Products-Completed Operations Aggregate per project	$1,000,000
3.	Personal and Advertising Injury Limit	$1,000,000
4.	Each Occurrence Limit	$1,000,000
5.	Fire Damage Limit-any one Fire	$ 50,000
6.	Medical Expense Limit-any one Person	$ 10,000

C. Automobile Liability coverage with minimum limits of $1,000,000 combined single limit per accident for bodily injury and property damage, provided on a Symbol 1- Any Auto basis.

D. Worker's Compensation and Employers Liability Insurance with sufficient limits to meet underlying Umbrella Liability Insurance requirements.

E. Umbrella Liability providing coverage at least as broad as the underlying General Liability, Automobile Liability and Employers Liability coverages, with a minimum limit of $2,000,000 each occurrence and $2,000,000 annual aggregate, and a maximum self-retention of $10,000.

Other Requirements

A. Acceptability of Insurers. Insurance is to be placed with insurers who have a Best's Insurance Reports rating of no less than A and a Financial Size Category of no less than a Class VI, authorized as an admitted insurance company in the State of Wisconsin.

B. Certificates of Insurance acceptable to Dodge County shall be submitted prior to commencement of the work. Certificates shall contain a provision that coverage afforded under the policies will not be cancelled until at least 30 days' prior written notice has been given to Dodge County.

C. Dodge County, Dodge County's elected and appointed officials, and Dodge County employees shall be named as additional insureds on all liability policies for liability arising out of project work. Please provide a copy of this endorsement with your certificate of insurance.

VIII. General RFB Information

A. Dodge County requires a high level of service from any vendor/contractor who is looking to do business with the County. Quality, service and price are all critical factors that Dodge County considers when doing business and in continuing business with vendor/contractors. This is especially important when it comes to the requirements of this request. Dissatisfaction due to product or performance may result in Dodge County discontinuing service with a vendor/contractor.

B. Dodge County is a tax-exempt municipality under Section 77.54(9a) (b), Wis. Stats.

C. Successful Vendor/contractor(s) shall provide a certificate of insurance, including naming Dodge County, its officers, elected officials and employees as Additional Insureds, upon bid award.

D. All bids shall be binding for ninety (90) calendar days following the bid opening date unless the vendor/contractor(s), upon the request of the County, agrees to an extension.

E. Payment for services will be made to successful vendor/contractor(s) contingent upon County's acceptance and approval of all work done and/or products provided, or services rendered. Acceptance as herein means acceptance by the County of all work performed or products provided and services rendered, after the department's authorized agent has found it to be in compliance with the specification requirement. Fuel surcharges or surcharges of any kind will not be allowed.

F. Vendor/contractors may withdraw their bid at any time before the bid due date and time by written request for withdrawal to the Purchasing Agent and by presenting proper identification upon request. **Faxed and emailed bids will be rejected. Late bids will not be accepted.**

G. Dodge County's Standard Terms and Conditions available at: https://www.co.dodge.wi.gov/departments/departments-e-m/finance/purchasing- division are applicable to this request and are hereby made a part of it.

H. RFB packet, updates and addenda are available on the Dodge County Request for Proposals/Bids website, https://www.co.dodge.wi.gov/departments/departments-e-m/finance/request-for-proposals-bids. and may also be obtained on DemandStar at: www.demandstar.com It is the vendor/contractor's responsibility to view the RFB document, and check the website for any updates and addenda prior to submitting a bid for this request. Failure to do so in no way obligates the County to issue addendum or other information concerning this request to the vendor/contractor.

I. No reimbursement will be made by the County for any cost incurred in preparing responses to this solicitation, or for cost incurred before a formal notice to proceed is issued if a contract is awarded.

J. Dodge County shall be the owners of any, and all of the reports, plans, specifications and

documents resulting from this RFB, and vendor/contractor shall provide both digital and hard copies of all reports, plans and documents as indicated in this RFB to Owner in a format usable to the County. Awarded vendor/contractor(s) shall also waive any rights to copyright protection so Owner may reproduce, distribute and use all reports, plans, specifications and documents as it so chooses.

K. Any bid/response and any, and all supporting materials submitted in conjunction with this request may become a public record, subject to public inspection.

L. Vendor/contractors responding to this request shall include with the bid a proposed contract covering all the terms, conditions and specifications for the performance of all work for this request. Proposed contract shall incorporate at a minimum the County's terms and conditions and the contract requirements contained herein.

M. Bidders shall list any consultants or subcontractors that may be used to complete this project.

N. All questions resulting in further clarification or modification to this (RFB) document will be handled by written addenda. Questions shall be directed to the Purchasing Agent via email to tsteinbach@co.dodge.wi.us. Questions must be asked at least five (5) business days prior to the bid due date. Questions received after this time may not be answered. Any changes as a result of issues raised will be made by written addenda and posted on the Dodge County website at https://www.co.dodge.wi.gov/departments/departments-e-m/finance/request-for-proposals-bids. and may also be obtained on DemandStar at: www.demandstar.com. It is the vendor/contractor's responsibility to check the website for addenda prior to submitting your bid. Oral and other interpretations or clarifications will be without legal effect.

O. Dodge County assumes no responsibility or liability for any error or omission in any part of this RFB or resulting design. Prior to the deadline for questions, a vendor/contractor shall notify Dodge County of any error for any error or omission in any part of this RFB or resulting design. Prior to the deadline for questions, a vendor/contractor shall notify Dodge County of any error, omission, inconsistency or other factor which requires clarification that is discovered while reviewing the documents or preparing a bid. Such notification shall be made in writing to Dodge County Purchasing Agent.

P. Confidentiality and Security – This document or any portion thereof may not be used for any purpose other than the submission of bids. The successful vendor/contractor must agree to maintain security standards consistent with the confidentiality and security policies of Dodge County and any applicable state or federal laws or regulations. These include strict control of access to secure areas, sensitive data and maintaining confidentiality of information gained while carrying out their contractual obligations. The successful vendor/contractor will be required to ensure that all vendor/contractor's personnel providing services to the County which require access to secure and confidential Dodge County information or facilities, meet the criteria for personal security clearance prescribed by Dodge County. Dodge County reserves the right to deny access to any individual that is not fully compliant with security criteria without disruption to timeline or adjustment to project cost.

Q. Dodge County reserves the right to require background checks for any employee or subcontractor employee involved in this project from the awarded vendor/contractor(s).

R. Unpublished information pertaining to Dodge County, or its employees obtained by the vendor/contractor as a result of participation in this RFB or resulting contract is confidential and must not be disclosed without written authorization from Dodge County Corporation Counsel or pursuant to a court order.

S. INDEMNIFICATION Dodge County requires any contract or agreement to contain an indemnification clause in which vendor/contractor holds harmless Dodge County, its officers, elected officials and employees harmless from and against any and all claims arising from contracts between the vendor/contractor and third parties made to effectuate the purposes of this RFB. Dodge County will not agree to mutual indemnification or to indemnify vendor.

T. NON-COLLUSIVE STATEMENT Each vendor/contractor, by submitting a response, certifies that it is not a party to any collusive action with Dodge County personnel and/or Vendor/contractors. Each vendor/contractor also certifies that it is not a party to any collusive action with any other party submitting a bid in response to this solicitation.

U. Dodge County reserves the right to reject any or all bids or parts thereof, to waive any technicality in any bid and accept any bid deemed to be the most advantageous to the County**.** It is possible that multiple awards may be made through this RFB process.

V. This request and possible resulting contract shall be interpreted under the laws of the State of Wisconsin. Any disputes or claims that arise under this contract shall be litigated in the Circuit Court of Dodge County, WI.

IX. Bonds

Bid Bond/Performance Bond: A bid bond must be submitted with your bid. The bid bond must be in the form of a Cashier's Check or Certified Check in the amount of five percent (5%) of the total bid amount. Cashier's Check or Certified Check will be returned after the project is awarded. All projects estimated to cost over $50,000 will require a 100% Performance and Payment Bond to be obtained by the selected contractor and provided to Dodge County prior to commencement of work.

X. Bid Form

We, the undersigned, propose to install a new septic system for a new prefabricated restroom/shower building at Astico Park, Dodge County, Wisconsin, in accordance with this RFB # 82 2025-02 and specifications hereto at the prices identified for the Primary Bid below.

RFB #82 2025-02 BID Form

New Septic System Installation at Astico Park

Item	**Price**
Mound System Installation	
Mechanical Rough-in to restroom/shower building	
TOTAL COST (NOT TO EXCEDED)	

Notes/Comments:

_____

_____

_____

_____

Vendor/Contractor Name

_____

Representative Signature

Dodge County reserves the right to award this project, reject any or all bids or parts thereof, to waive any technicality in any bid and accept any bid deemed to be the most advantageous to the County.

XI. Statement of Acknowledgment

New Septic System Installation at Astico Park
Land Resources & Parks Department, Dodge County, WI
RFB NUMBER: #82 2025-02

Complete this page and include it with your sealed response to the request.

I have read this Request for Bid (RFB), all the attachments, addenda (if any) and exhibits issued for this project and understand the contents and requirements.

Binding Signatures:

The undersigned vendor/contractor, submitting their bid, hereby declares and agrees to be bound, and to perform the work in accordance with all the terms, conditions and requirements of this Request for Bid, the within and foregoing bid, the contract, the applicable specifications, special provisions, and the schedule of prices as hereby submitted and made part of their bid submission.

Company: _____

Address: _____

_____

Original Signature: _____

Name (Print/Type) _____

Title_____Date_____

Phone Number:_____Fax Number: _____

E-mail:_____

XII. Addenda Acknowledgement

I/we hereby acknowledge receipt of the following addenda(s):

Addendum No. _____ Dated:_____

Addendum No. _____ Dated:_____

Addendum No. _____ Dated:_____

Addendum No. _____ Dated:_____

I/we further certify that no agreement has been entered into to prevent competition for said work and that I/we carefully examined the plans, specifications, form of contract and all other contract documents.

I/we further agree to enter into the contract, as provided in the contract documents, under all the terms, conditions and requirements of those documents.

If no addenda were issued, the vendor/contractor shall so indicate and sign this document.

_____
Vendor/Contractor

_____
Representative Signature

Wisconsin Department of Safety and Professional Services
Division of Industry Services
4822 Madison Yards Way
PO Box 7302
Madison, WI 53707

Phone: 608-266-2112
Web: http://dsps.wi.gov
Email: dsps@wisconsin.gov

November 12, 2024

CUST ID NO.: 223300
JEFFREY L HAMMES
703 CAMINO DE LA FAMILIA UNIT 3207
SANTA FE, NM 87501

Identification Numbers
Plan Review No.: PWTS-112402793-C
Application No.: DIS-112449975
Site ID No.: SIT-138334
Please refer to all identification numbers in each correspondence with the Department.

CONDITIONAL APPROVAL

PLAN APPROVAL EXPIRES: 11/12/2026

Conditionally
APPROVED
DEPT. OF SAFETY AND PROFESSIONAL SERVICES
DIVISION OF INDUSTRY SERVICES

Tim Zgonski

SEE CORRESPONDENCE

MUNICIPALITY:
TOWN OF ELBA
DODGE COUNTY

SITE:
DODGE COUNTY ASTICO PARK
N3620 COUNTY ROAD TT
COLUMBUS, WI 53925
NE,NE,S21,T10N,R13E

FOR:
Design Wastewater Flow Value: 4332
Commercial/Public: 40 campsites, 6 non-domestic
Floor drains, 152 park patrons.
Limiting Factor(s): 24 inches
Maintenance Required: Effluent Filter

Mound Component Manual - Version 2.1 (May 2022-2027)
Pressure Distribution Component Manual - Version 2.1 (May 2022-2027)

SITE REQUIREMENTS

- A full size copy of the approved plans, specifications, and this letter shall be on-site during construction and open to inspection by authorized representatives of the Department, which may include local inspectors. A Department electronic stamp and signature shall be on the plans which are used at the job site for construction.

The following conditions shall be met during construction or installation and prior to occupancy or use:

- This system is to be constructed and located in accordance with the approved plans, and the "Mound Component Manual for POWTS (Version 2.1), (May 2022-2027)".
- The pressure network is to be constructed in accordance with publications "Pressure Distribution Component Manual for POWTS (Version 2.1); (May 2022-2027)" and/or the sizing methods of publication "SSWMP Publication 9.6 Design of Pressure Distribution Networks for ST-SAS (01/81)".
- A sanitary permit must be obtained from the county where this project is located in accordance with the requirements of Sec. 145.19, Wis. Stats.
- Prior to the construction of the dispersal area, check the moisture content of the soil to a depth of 8 inches. Proper soil moisture content can be determined by rolling a soil sample between the hands. If it rolls into a ¼-inch wire, the site is too wet to prepare. If it crumbles, site preparation can proceed. If the site is too wet to prepare, do not proceed until it dries.
- Inspection of the private sewage system installation is required. Arrangements for inspection shall be made with the designated county official in accordance with the provisions of Sec. 145.20(2)(d), Wis. Stats.
- A state-approved effluent filters are required. Maintenance information must be given to the owner of the tank explaining that periodic cleaning of the filter is required.
- All piping shall conform to SPS Table 384.30-3 and SPS Table 384.30-5
- Insulate building sewer beyond 30 feet per SPS 382.30 (11)(c)
- Well setbacks to meet chs. NR 811 & 812

- Tank Installation to follow all manufacturer's requirements.
- Verify property line(s) prior to installation.
- Pump Floats to be set and verified per the approved plan.
- With new construction; it is recommended not to activate the pump in the dose tank until the tanks are pumped prior to homeowner occupancy.
- Any tall grasses, leaves and shrubs shall be cut short and removed prior to tilling the surface for installation to prevent matting under the dispersal area. All loose organic material to be removed from POWTS Dispersal Area.
- Provide surface water diversion around the treatment tanks and mound dispersal component.
- This system is designed to serve only the uses indicated on the plan and only domestic wastewater. If the use of the building changes, new approvals will need to be done and additional components may need to be installed. The Department of Natural Resources must be contacted regarding the treatment and disposal of all non-domestic wastes, including those combined with domestic wastes.
- This approval does not include plans for the general plumbing systems, sewer piping leading to the septic tank or associated cleanouts that may be required for this project. See SPS 382.20, Wis. Adm. Code, to determine if plan submittal and approval is required.
- This plan approval does not include the future campground sanitary dump station or septic tank associated with the dump station that is shown on this plan. Campground sanitary dump station waste would be considered high strength waste and require pre-treatment. Future General Plumbing approval would be needed for the campground sanitary dump station along plan and permit approval through the County or POWTS program.

OWNER RESPONSIBILITIES

- The current owner, and each subsequent owner, shall receive a copy of this letter including instructions relating to proper use and maintenance of the system. Owners shall receive a copy of the appropriate operation and maintenance manual and/or owner's manual for the POWTS described in this approval and Wis. Admin. Code § SPS 383.54(1).
- In the event this soil absorption system or any of its component parts malfunctions so as to create a health hazard, the property owner must follow the contingency plan as described in the approved plans.

The submittal described above has been reviewed for conformance with applicable Wisconsin Administrative Codes and Wisconsin Statutes. The submittal has been CONDITIONALLY APPROVED. This system is to be constructed and located in accordance with the enclosed approved plans and with any component manual(s) referenced above. The owner, as defined in chapter 101.01(10), Wisconsin Statutes, is responsible for compliance with all code requirements.

No person may engage in or work at plumbing in the state unless licensed to do so by the Department per s.145.06, stats.

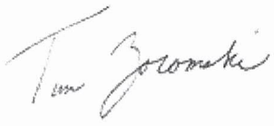
All permits required by the state or the local municipality shall be obtained prior to commencement of construction/installation/operation.

In granting this approval, the Division of Industry Services reserves the right to require changes or additions, should conditions arise making them necessary for code compliance. As per state stats 101.12(2), nothing in this review shall relieve the designer of the responsibility for designing a safe building, structure, or component. The Division does not take responsibility for the design or construction of the reviewed items.

Inquiries concerning this correspondence may be made to me at the contact information listed below, or at the address on this letterhead.

Sincerely,

Fee Required: $400.00
Fee Received: $400.00
Balance Due: $0.00
Refund Expected: $0.00

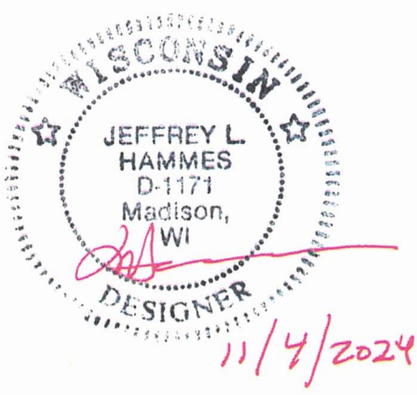


Timothy Zoromski

Division of Industry Services
Phone:
Email: timothy.zoromski@wisconsin.gov

INDEX SHEET

CLIENT: DODGE COUNTY - ASTICO PARK
Location: NE 1/4 , NE 1/4 , S 21
T 10 N, R 13 E
Township: ELBA
County: DODGE
Parcel No.: 014-1013-2111-002



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Addendum: Mound Component Manual Approval (2 pgs)
Astico Park Tax Parcel Information (2 pgs)
Soil Evaluation Report (4 pgs)

CONTACT
Jeffrey L. Hammes
Professional Soil Scientist
Designer of POWTS Systems

703 Camino de la Familia
#3207
Santa Fe, NM 87501
(608)233-9200
email: jeffsoiltest@gmail.com

Design follows criteria from:
"Mound Component Manual

Conditionally
APPROVED
DEPT. OF SAFETY AND PROFESSIONAL SERVICES
DIVISION OF INDUSTRY SERVICES

Tim Zgonski

SEE CORRESPONDENCE

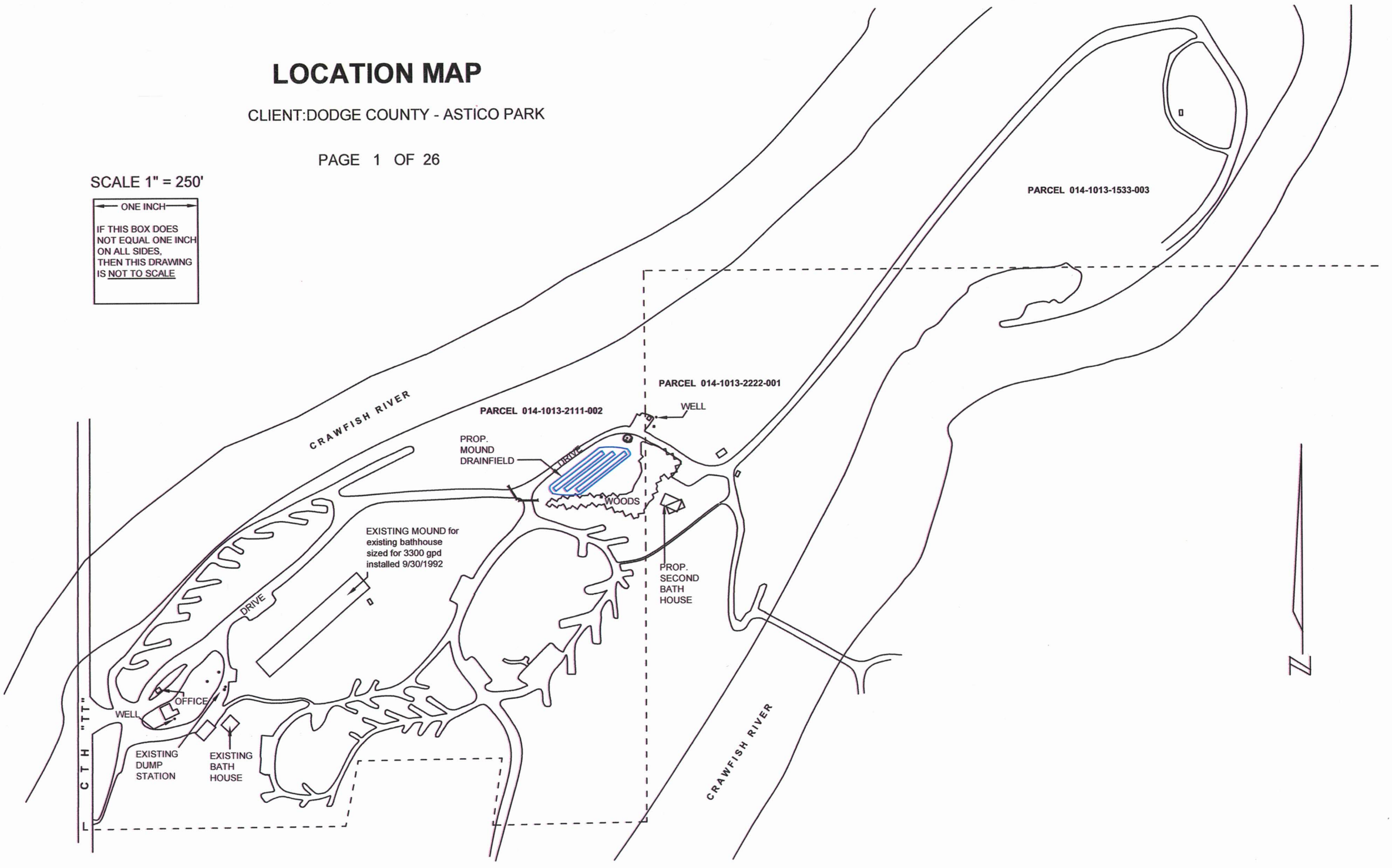
LOCATION MAP

CLIENT:DODGE COUNTY - ASTICO PARK

SCALE 1" = 250'

ONE INCH

IF THIS BOX DOES NOT EQUAL ONE INCH ON ALL SIDES, THEN THIS DRAWING IS NOT TO SCALE



PLOT PLAN

NE 1/4, NE 1/4, S 21, T 10 N, R 13 E, TOWN OF ELBA, DODGE COUNTY

PLUMBER'S SIGNATURE:_____ MP/MPRSW#:_____ DATE:_____

CLIENT:DODGE COUNTY - ASTICO PARK

PAGE 2 OF 26

SCALE 1" = 40'

□= SOIL BORING

ONE INCH

IF THIS BOX DOES NOT EQUAL ONE INCH ON ALL SIDES, THEN THIS DRAWING IS NOT TO SCALE

PROPOSED 57.75' x 164-165' MOUND DRAINFIELD

CELL #	CELL ELEV.	CELL DIMENSIONS
1	858.5'	10' X 147'
2	857.85'	10' X 146'
3	857.2'	10' X 146'

DEFLECTION

CELL #	DEFLECTION	MIN. CELL LENGTH
1	6.16% (8.9'/144.5')	146.86'
2	3.63% (5.25'/144.5')	145.89'
3	2.77% (4'/144.5')	145.33'

1250 GAL LIFT STATION
BY *CREST* (black)
or *DALMARAY* (blue)
w/ manuf. installed 30" x 30" hatch cover over pumps and 3 exit hubs for 3" force mains

THREE 3" PVC, SCHED 40 FORCE MAINS
to cell 1 = 170 ft.
to cell 2 = 140 ft.
to cell 3 = 115 ft.

THE AREA OF THE DRAINFIELD AND 15' DOWNSLOPE SHALL BE UNDISTURBED. NO VEHICULAR TRAFFIC ALLOWED. NO EXCAVATION OR COMPACTION OF SOIL.

CULVERTS

Future dump station (included in proposed mound sizing)

The dump station is not included in this Plan Approval. Future General Plumbing approval will be needed if dump station is pursued along with plan and permit approval through the County or POWTS Program. Campground sanitary dump stations are considered high strength waste and pre-treatment would be required.

2,000 GAL. SEPTIC TANK for future dump station by *CREST* or *DALMARAY*

4"PVC SEWER - SCH 40 OR *ASTM D3034*. FROST PROOFED AS PER *SPS 382.30(11)(c)2.*

BM = TOP OF ELECTRIC PEDESTAL ELEV. = 863.7' (100.0' ON SOIL TEST)

1,000 GAL. SEPTIC TANK*/ FILTER TANK by *CREST* or *DALMARAY* (4" PVC CONNECTION TO PRIMARY SEPTIC TANK - ASTM D3034) W/ 3' DIAMETER MANHOLE OVER OUTLET

10,000 GAL. SEPTIC TANK by *CREST* or *DALMARAY* w/ 6" inlet

6" PVC BLDG. SEWER - SCH 40 OR *ASTM D3034*. FROST PROOFED AS PER *SPS 382.30(11)(c)2.* Clean out w/ frost sleeve required for bldg. sewer ≥100'.

PROPOSED 2nd BATH HOUSE

PAVILION, to be removed

WELL

SHED

ELECT. PED.

PARKING AREA

PROPOSED NEW BURIED WATER LINE

BURIED WATER LINE, TO BE ABANDONED PREVIOUS TO INSTALLATION. (WAS WATER SERVICE TO OLD SPIGET & DRINKING FOUNTAIN.)

BURIED ELECTRIC LINE

WOODS

PARKING AREA

DRIVE

DRIVE

walkway

ALL TREATMENT TANKS ARE:
≥5' FROM BLDG.
≥2' FROM LOT LINE
≥25' FROM WELL

VENT FOR LIFT STATION IS ≥10' FROM ANY DOOR, WINDOW OR FRESH AIR INTAKE

PARCEL 014-1013-2111-002 24.425 acres

PARCEL 014-1013-2222-001 13.95 acres

*SEPTIC TANK HAS APPROVED EFFLUENT FILTER and LIFT STATION HAS *SIM/TECH* MODEL *STF-100* FILTERS. ALL SEPTIC TANK ARE VENTED OVER THE INLET BAFFLE OR IN THE MANHOLE COVER. TANK COVERS LOCATED AT OR ABOVE GRADE SHALL HAVE A LOCKING DEVICE AND REMAIN LOCKED EXCEPT FOR CLEANING, MAINTENANCE OR INSPECTION PURPOSES.

Notes:

1. Sizing criteria for drainfield (estimated wastewater flow):

30 existing campsites (no sewer/water hookups) x 30 gpd = **900 gpd**
(park officials calculated total of 60 sites equally split between two bath house/shower facilities. Additional site for camp host is adjacent to existing bath house.)

10 future campsites x 30 gpd= **300 gpd**

Future second dump station (park officials calculated high use expect 22 dumps/day) x 25 gpd = **550 gpd**
(Actual RV use is specified rather than RV campsites due to park having two dump stations with existing dump station located at park exit receiving the most use.)

6 floor drains in bath house and shower facility (bathrooms only) x 25 gpd = **150 gpd**

38 parking spaces available for day use park (toilets & showers) within proximity of proposed bath house. Each space assumed to be used twice/day with 2 persons per space = 38 x 2 x 2 = 152 patron use/day x 6.5 gpd = **988 gpd**

No employees in sizing calculations. Two employees + one host volunteer use adjacent existing bath house.

Total estimated gpd = 2888 (**Design flow = 1.5 x estimated flow = 4332 gpd**)

Park usage is seasonal – generally May through October.

Soil loading rate = 0.6 gpd/ft^2. Minimum mound drainfield basal area required = 7220 ft^2. Proposed drainfield basal area is 7829.195 ft^2. Minimum cell size = 4332 ft^2. Proposed each mound cell width = 10'. Proposed mound cell lengths are cell 1 = 147', cell 2 = 146', cell 3 = 146'. The total cell area = 4390 ft^2. The proposed drainfield shall incorporate triplex pumps with each pump serving one cell of the proposed drainfield using pressure distribution. There will be a minimum of 6' between cells.

2. Minimum septic tank sizing based on 3-year servicing frequency = 9045.3 gallons. A 10,000 gallon (*Crest* or *Dalmaray*) primary septic tank followed by a second 1000 gallon treatment tank with filter (*Crest* or *Dalmaray*) is proposed. Total proposed septic tank size = 11,000 gallons. The second septic tank to have a *Polylok* effluent filter model *PL-525* (or equivalent filter rated to handle a minimum flow of 4332 gpd) installed on 4" ID piping. An approved filter alarm: *Polylok Filter Alarm Panel and 'Smart Filter' Control Switch,* or equivalent, is to be installed within the tank as per manufacturer's procedure. Filter is to be cleaned and serviced a maximum of every 3 years (or less as stipulated by a tank servicing contractor or alarm activation). Installer to notify manufacturer *(Crest* or *Dalmaray)* in advance of installation (time interval as per manufacturer) concerning primary tank inlet sized for 6" ID sewer piping, and 3 foot diameter manhole over filter in second tank.

3. All proposed treatment tanks are to be greater than 5' from any building, 2' from a lot line and 25' from any well. All tanks shall be properly bedded. All proposed tanks are state approved and sized. All piping shall be PVC SCH. 40 or ASTM 3034 of specified diameter. All joints shall be solvent welded. All welded piping shall be fabricated and tested in accordance with accepted standards for pressure piping when used in force mains. All sewer piping shall be bedded in clean sand and hand tamped about the pipe. Anchoring of tanks may be required if groundwater is encountered during installation. High water mark of Crawfish River is approximately 47 feet below proposed pump tank location.

4. A 1250 gallon pump tank (*Crest* or *Dalmaray*) is proposed. With use of triplex pumps the required storage of 1 day's capacity above the high water alarm is waved. An enlarged manhole opening (min. 36" x 36" square) with approved concrete risers and with a minimum

approved water tight 30" x 30" rectangular cover of hinged aluminum is required to allow for easier access to the three pumps (or other sizing as per installer's ability to access the three pumps). Proposed force main exits are custom drilled or poured (and approved) by the tank manufacturer. Installer to notify manufacturer (time interval as per manufacturer) concerning the three outlet hubs serving 3" sch. 40 PVC force main pipes, and special manhole over pumps.

5. Triplex *Gould WE10H, Zoeller 189, or Little Giant WS50H* sewage effluent pumps, or equivalent, are to be set with pump off switch at 12" above floor of pump tank and with "on-off" floats spacing as per pump tank cross section pages. These pumps will be set to sequentially discharge and continuously cycle to the three cells as shown on the plot plan. High water float alarms shall be provided to warn of pump failure. Triplex pumps, floats, and high water and filter alarms to be controlled by a M-Tech Control Panel TPTAX-020-1-F-A1, or equivalent, for single phase pumps with triplex sequential circuitry including ability to pull a pump off-line for servicing.

6. The three force main pipes within the pump tank/lift station shall each have a *SIM TECH* model *STF-100* filter added. These filters provide a "polishing" of the effluent previous to pressurized distribution in laterals have 3/16 inch sized orifices. Filters to be inspected/serviced a maximum of every 3 years (or less as stipulated by a tank servicing contractor).

7. Conversion of Soil Evaluation Report elevations to GPS are below:

	CST Report elevation	GPS elevation
Benchmark	100.0'	863.7'
Boring 1	91.7'	855.4'
Boring 2	92.8'	856.5'
Boring 3	96.0'	859.7'
Boring 4	94.8'	858.5'
Boring 5	93.4'	857.1'
Boring 6	92.8'	856.5'

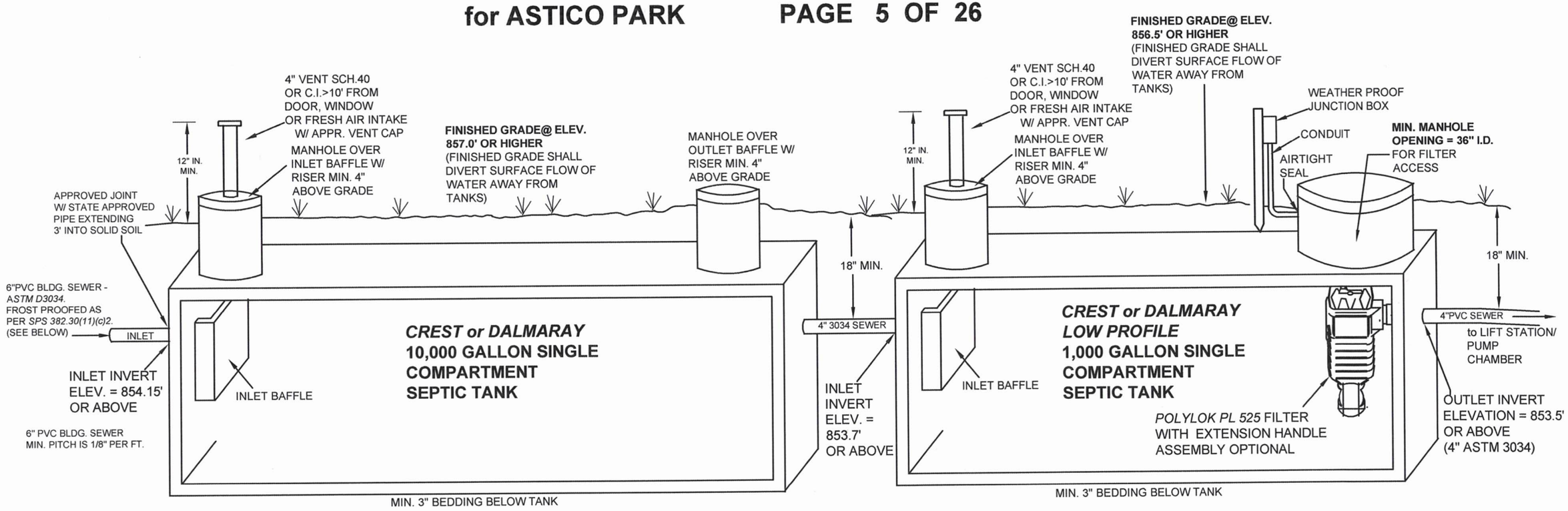
8. Owner shall abide by all operation and maintenance stipulations indicated by the Management Plan, *Wisconsin Department of Safety and Professional Services* component manuals and *Dodge County Land Division and Parks* approval. Design follows criteria from *Pressure Distribution Component Manual for Private Onsite Wastewater Treatment Systems* ver.2.1 (May 2022-2027) and *Mound Component Manual for Private Onsite Wastewater Treatment Systems* ver.2.1 (May 2022-2027).

9. There are no POWTS (private onsite wastewater treatment systems) soil based treatment systems within 1500 feet of the proposed POWTS that would exceed 12,000 gpd when included with the proposed POWTS system sizing.

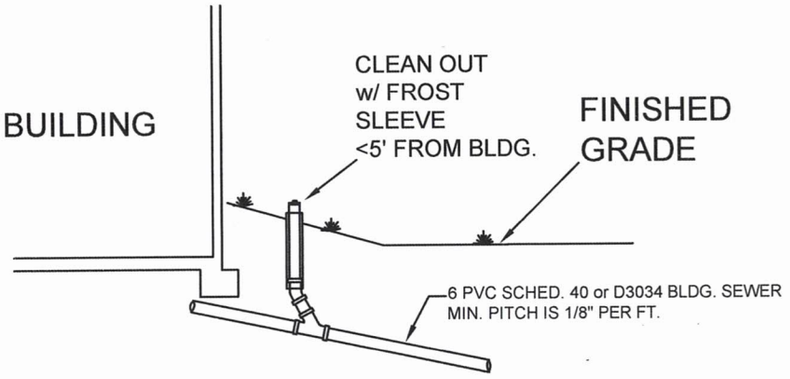
Note: All wastewater sources containing potentially non-biodegradable and/or groundwater contaminating chemical components (from floor drains serving vehicle areas, cleaning agents or disinfectants, other non-sanitary wastewater sources) are not allowed to be treated in this POWTS

TREATMENT TANK CROSS SECTION with FILTER, FROST PROOFED CLEANOUT & BUILDING SEWER INSULATION

for ASTICO PARK

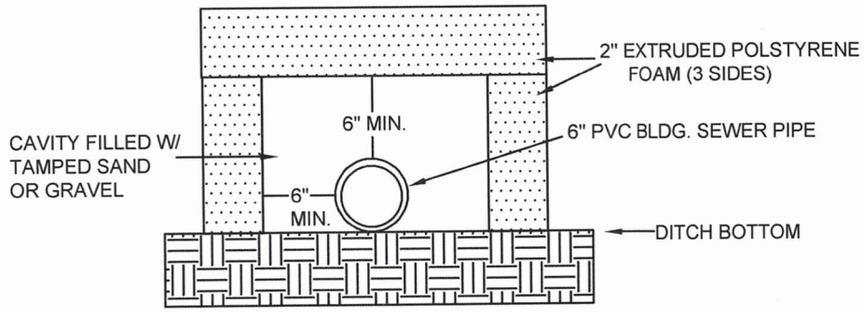


Bedding should be compacted granular fill that has the ability to pass 100% through a ¾ inch sieve. Bedding should be compacted to a 4 inch minimum depth. In the case of soils with poor bearing capacity, bed design may change to resist floating. Engineering specification may warrant change in beddingspecifications.



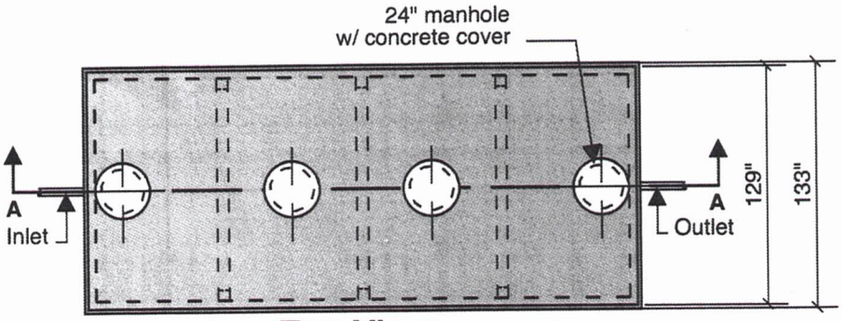
BLDG. SEWER SHALL BE FROST PROOFED WHERE SEWER IS LESS THAN 60" DEEP.

TYPICAL 6" PVC BLDG. SEWER INSULATION/FROST PROOFING

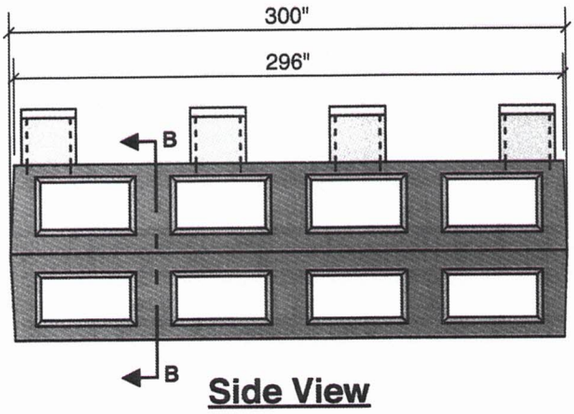


SEPTIC TANK CROSS SECTION

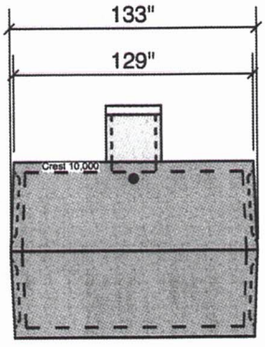
10000 GALLON
73" LL
80" INLET



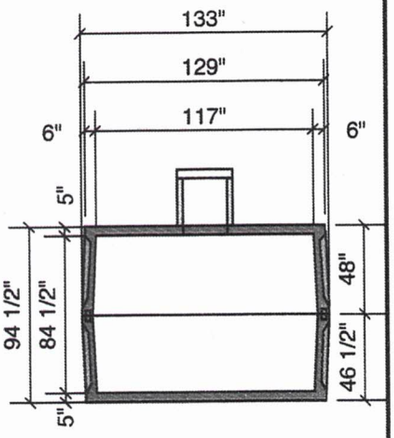
Top View



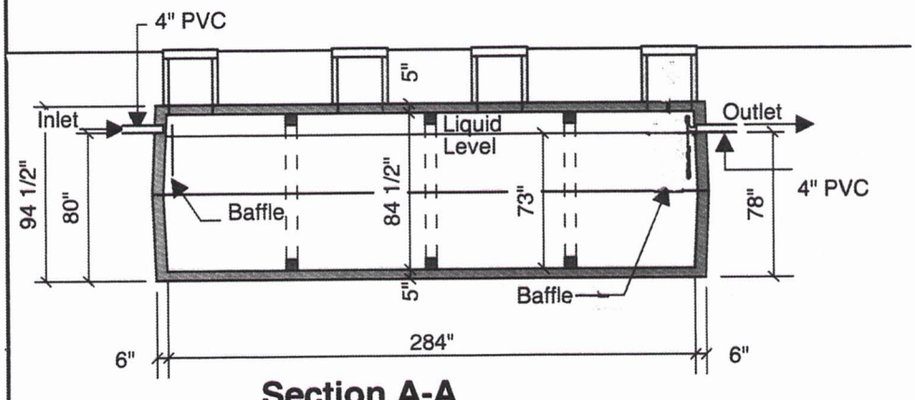
Side View



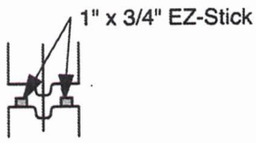
End View



SECTION B-B



Section A-A



Typical Tongue & Groove Joint

Notes:
Concrete - 5000 PSI
Joint Sealant - High Grade EZ-Stick
Labels - Warning signs located on all manholes
Installation - See separate installation guide
Baffles Installed
Rubber Gaskets - Press Seal

Septic - Pump - Holding - Recirculation Or Grease Tank

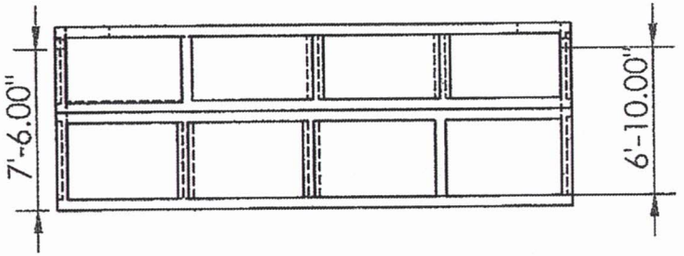
Crest Precast, Inc.
La Crescent, MN & Barneveld, WI
800-658-9045

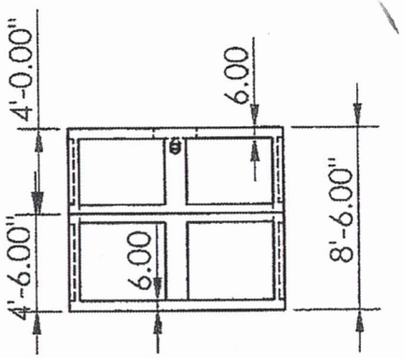
Scale		Drawn By: KGT
Date		Revision
Project:	SEPTIC TANK 10,000 GALLON	
Contractor:		Drawing Number: MODEL 10000

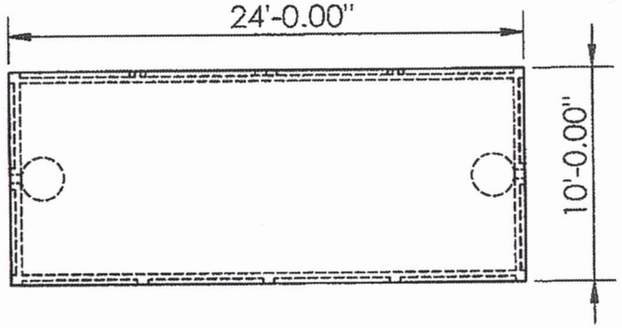
SEPTIC TANK CROSS SECTION

PAGE 7 OF 26

APPROVED
By Glen Schlueter at 1:50 pm, May 23, 2022







SEE CORRESPONDENCE

CONDITIONALLY APPROVED
DEPT OF SAFETY AND PROFESSIONAL SERVICES
DIVISION OF INDUSTRY SERVICES

DIMENSIONS:

LENGTH - 24'
WIDTH - 10'
HEIGHT - 8'6"
BELOW INLET - 7'6"
GALLONS PER INCH - 129.03
CAPACITY - 10578 GALLONS
BOTTOM SECTION WEIGHT - 28000 lb.
TOP SECTION WEIGHT - 27000 lb.
MAX DEPTH OF BURY 60"

CONCRETE DESIGN STRENGTH 7500 PSI

RECEIVED
NOV 09 2017
Division of Industry Services

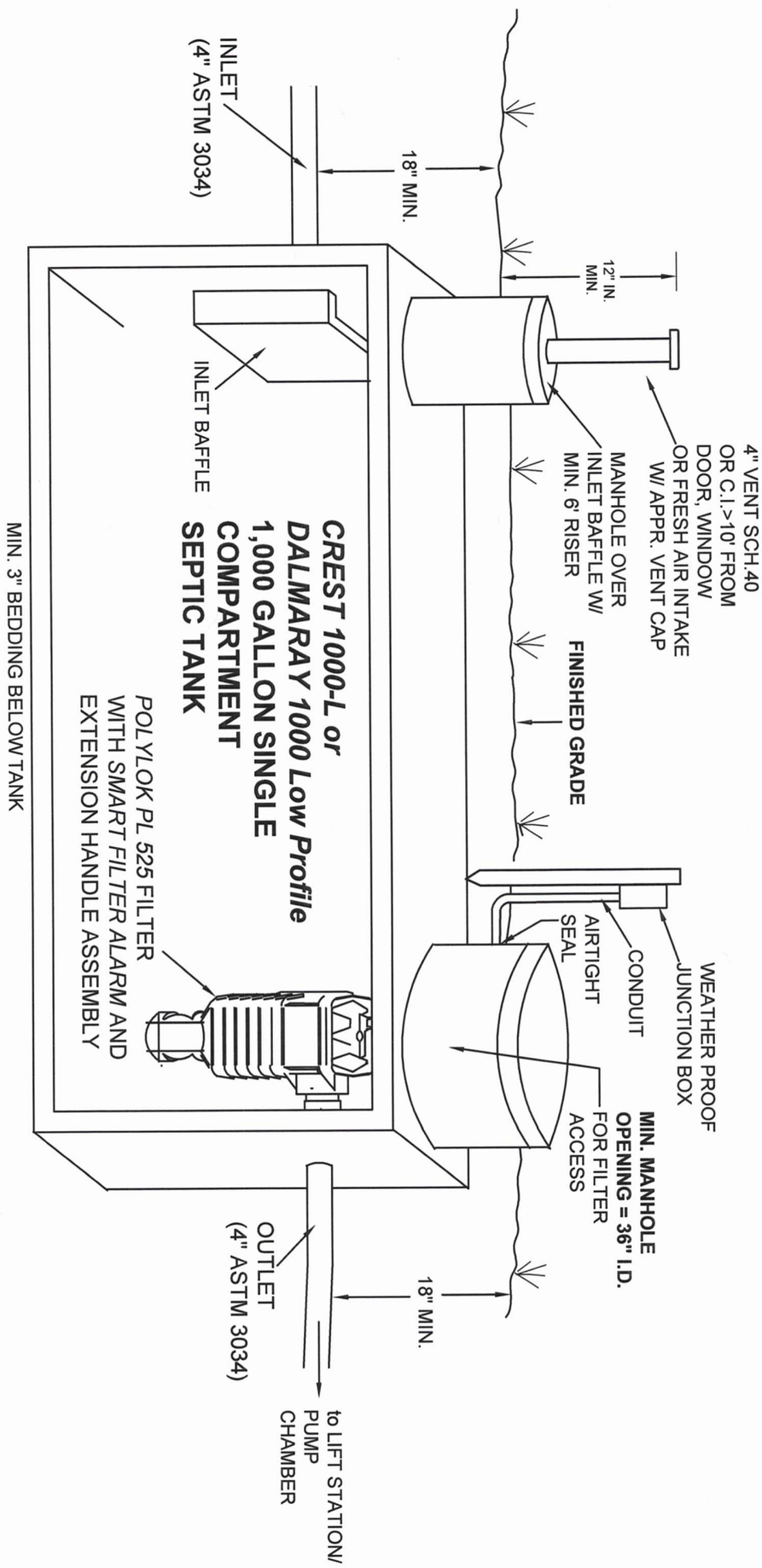
Dalmaray
PRECAST CONCRETE PRODUCTS

UNLESS OTHERWISE SPECIFIED:		NAME	DATE
DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ANGULAR: MACH BEND TWO PLACE DECIMAL THREE PLACE DECIMAL	DRAWN	AJA	3/28
	CHECKED		
	ENG APPR.		
	MFG APPR.		
INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.		
MATERIAL	COMMENTS:		
FINISH			
NEXT ASSY / USED ON			
APPLICATION / DO NOT SCALE DRAWING			

TITLE:
10,000 GALLON TANK
GWS 12/7/17

SIZE	DWG. NO.	REV
A		
SCALE: 1:96	WEIGHT:	SHEET 1 OF 1

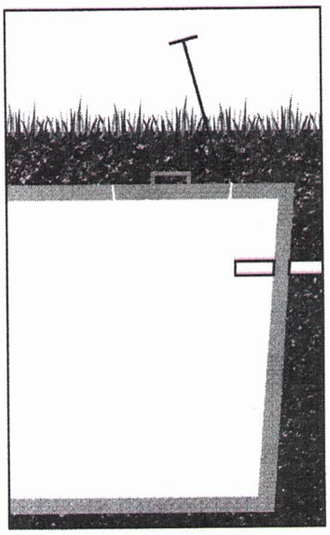
LOW PROFILE SEPTIC TANK CROSS SECTION WITH POLYLOK 525 FILTER



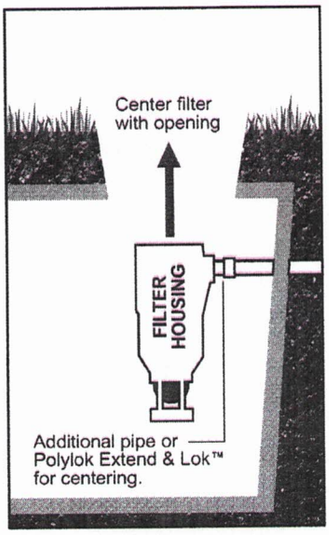
POLYLOK™ Inc.
Innovations in Precast, Drainage & Wastewater Products
Zabel® A Division of Polylok Inc.

INSTALLATION INSTRUCTIONS
PL-525/PL-625 FILTER

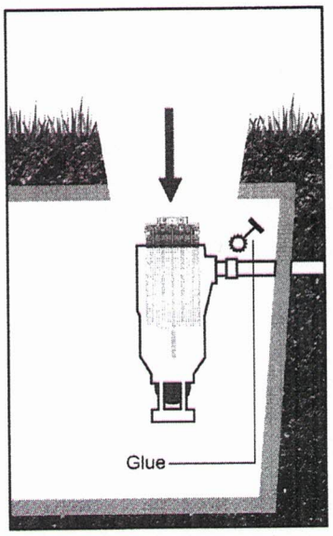
INSTALLATION INSTRUCTIONS



Step 1:
(A) Locate the outlet of the septic tank.
(B) Remove tank cover and pump tank if necessary.

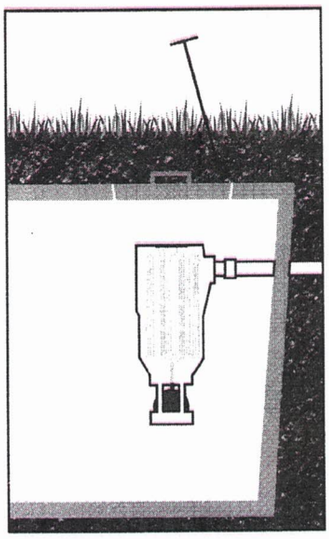


Step 2:
(A) Before installation, place the filter housing on to the outlet pipe.
(B) Make sure that the housing is positioned so the filter can be removed from the tank for maintenance and service.



Step 3:
(A) Glue the filter housing on the outlet pipe.
(B) Insert the filter cartridge in the housing, making sure the filter cartridge is properly aligned and completely inserted in the housing.

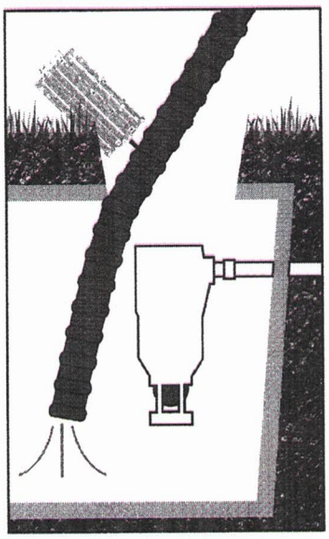
MAINTENANCE INSTRUCTIONS



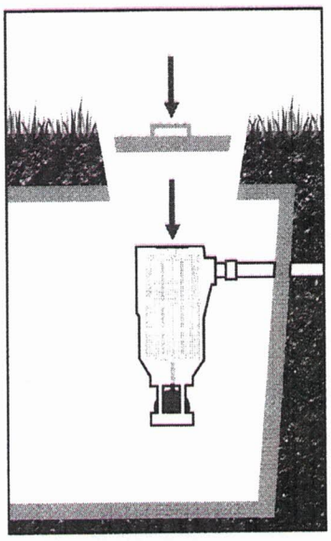
Step 1:
Locate the outlet of the septic tank.

DO NOT USE PLUMBING WHEN FILTER IS REMOVED

USE RUBBER GLOVES WHEN CLEANING FILTER



Step 2:
(A) Remove tank cover and pump if necessary.
(B) Pull the filter out of the housing.
(C) Hose off the filter over the septic tank. Make sure all solids fall back into the septic tank.

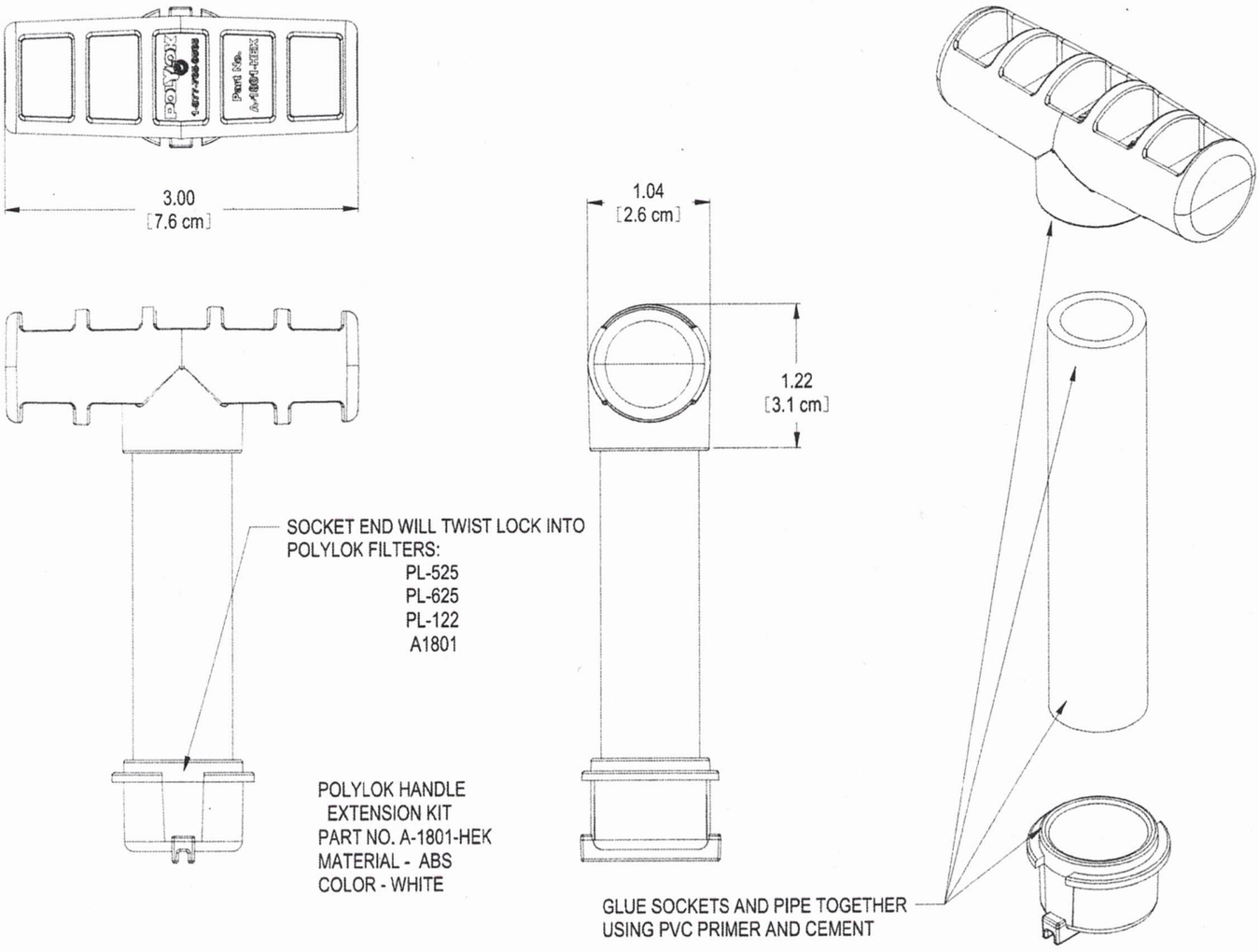


Step 3:
(A) Insert the filter cartridge back into the the housing making sure the filter is properly alighed and completely inserted.
(B) Replace septic tank cover

POLYLOK™ Inc.
Innovations in Precast, Drainage & Wastewater Products
Zabel® A Division of Polylok Inc.

PL-525 Effluent Filter

Filter Handle Assembly (New Style)



Filter Alarm system installation instructions

⚠WARNING **ELECTRICAL SHOCK HAZARD**
Disconnect power before installing or servicing this product. A qualified service person must install and service this product according to applicable electrical and plumbing codes.

⚠WARNING **EXPLOSION OR FIRE HAZARD**
Do not use this product with flammable liquids. Do not install in hazardous locations as defined by National Electrical Code, ANSI/NFPA 70.

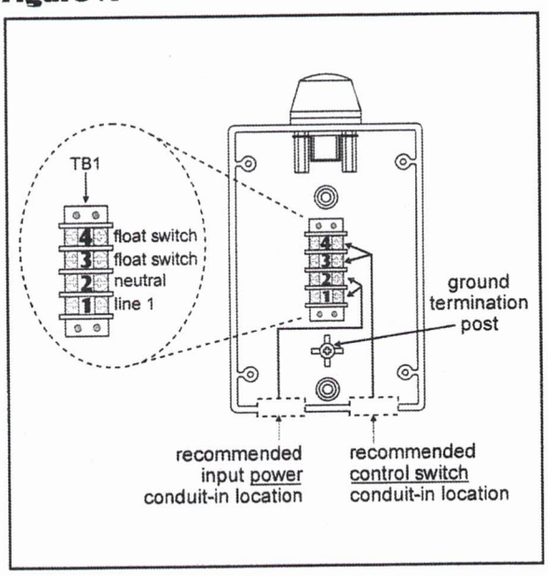
Failure to follow these precautions could result in serious injury or death.
Keep these instructions with warranty after installation.

- Install in accordance with National Electric Code, ANSI/NFPA 70 to prevent moisture from entering or accumulating within boxes, conduit bodies, fittings, float housing, or cable.

INSTALL ALARM AND CONTROL SWITCH

1. Determine mounting location for alarm panel. Position so side instruction label is visible and readable.
2. Mount alarm box using existing holes in back of box. To ensure a watertight seal, use screws and sealing washers included with alarm.
3. Determine "conduit-in" locations on alarm (see Figure A).
4. Drill holes for conduit entry, taking care not to damage bosses inside alarm box.
5. Attach conduit. Use liquid-tight connectors if installing outdoors.
6. Bring control switch cable through conduit and attach to terminal block 1 (TB1) positions 3 and 4 (see Figure A). Leave adequate cable for filter removal. **Note:** Cable is not suitable for direct burial.
7. Attach input power conductors to TB1 positions 1 (line 1) and 2 (neutral), and ground wire to ground termination post (see Figure A).
8. Attach alarm box cover using the four pre-installed screws.
9. Turn on power.

Figure A



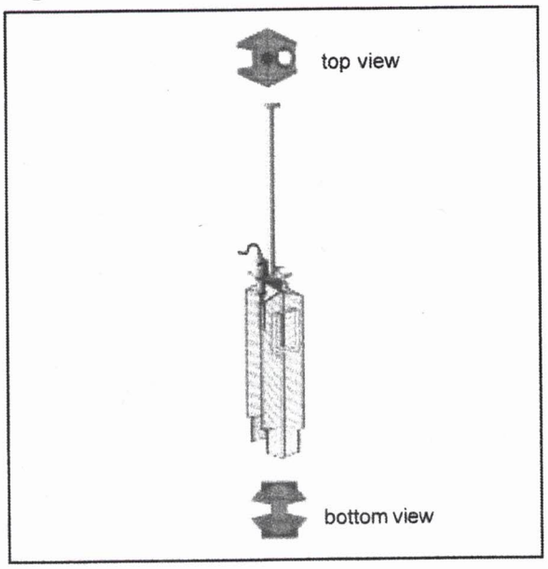
TEST SYSTEM

1. Check installation by moving control switch float upward. The system should indicate an alarm condition.
2. Push test/normal/silence switch to silence horn (beacon should remain illuminated).

INSERT SWITCH INTO FILTER

1. Guide switch through receiving hole in filter as shown in Figure B.
2. Align keys on switch housing to match with slots in filter handle.
3. Slide housing into handle, press down firmly on switch housing and turn clockwise (approximately 90°) until switch snaps into place. Filter handle and switch housing insure proper location of switch.

Figure B



INSTALL FILTER

1. Slide filter into Polylok™ housing until filter is fully engaged.
2. Reset test/normal/silence switch to normal (center) position.

SPECIFICATIONS

Alarm Panel:
Enclosure: 6.5 x 4.5 x 3.0 inch (16.51 x 11.43 x 7.62 cm), indoor/outdoor, weatherproof, thermoplastic
Horn: 82 decibels at 10 feet (3 meters)
Electrical: 120 VAC, 50/60Hz, 7 watts max. (alarm condition)

Control Switch:
VRS control switch with magnetically-activated reed switch
Control Differential: .375 inches (1 cm)
Maximum Angle from Vertical: 5°
Cable: 10 feet (3 meters), flexible 18 gauge, 2 conductor SJOW (UL,CSA), water-resistant (CPE)
Housing and Float: 1.60 inch diameter x 6.7 inch long (4.06 cm x 17.01 cm), high impact, corrosion resistant PVC for use in sewage and non-potable water up to 120°F (50°C)
Electrical:
5 amps, 125 VAC/250 VAC, 50/60 Hz

POLYLOK™ Inc.
3 Fairfield Blvd. Wallingford, CT 06492
Phone: (877) 765-9565 Fax: (203) 284-8514
sales@polylok.com www.polylok.com

PUMP CHAMBER CROSS SECTION AND SPECIFICATIONS (WITH TRIPLEX PUMPS)

LIFT PUMP TANK

CELL 1 USING CREST PRECAST TANK 1250L

MANUFACTURER: CREST — STATE APPROVED SEPTIC TANK

SIZE OF TANK: 1371.6 GALLONS — (OR EQUIVALENT TANK)

LIQUID DEPTH: 36 INCHES — 38.1 GALLONS/1" DOSE

PUMP MANUFACTURER & MODEL NUMBER: GOULDS WE10H ** 3 PUMPS

FORCE MAIN LENGTH: 170 FEET

FORCE MAIN DIAMETER: 3 INCHES

LOWEST ELEV.PUMP OFF (FT.)	RANGE OF LIFT(FT): 8 TO 10
849.1	FRICTION LOSS(FT): 3.03

DISTAL PRESSURE/FITTINGS/FILTER ADDITION(FT): 3.75 DISTAL = 2.5

TDH: 16.78

DISTANCE BETWEEN PUMP "ON" & PUMP "OFF": 8 INCHES

GALLONS PUMPED PER CYCLE: 304.8

(DOSE VOLUME: 198.03 GAL. VOID VOL: 62.56 GAL.

TOTAL DOSE: 260.59 GAL. MIN.DIST.PUMP ON& OFF: 6.84 INCHES)

MIN. DISCHRG. RATE (GPM): 83.16 PUMP DISCHARGE RATE (GPM): 100

CAPACITIES: A= 14 INCHES = 533 GALLONS TRIPLEX PUMPS

B= 8 INCHES = 305 GALLONS

C= 12 INCHES = 457 GALLONS

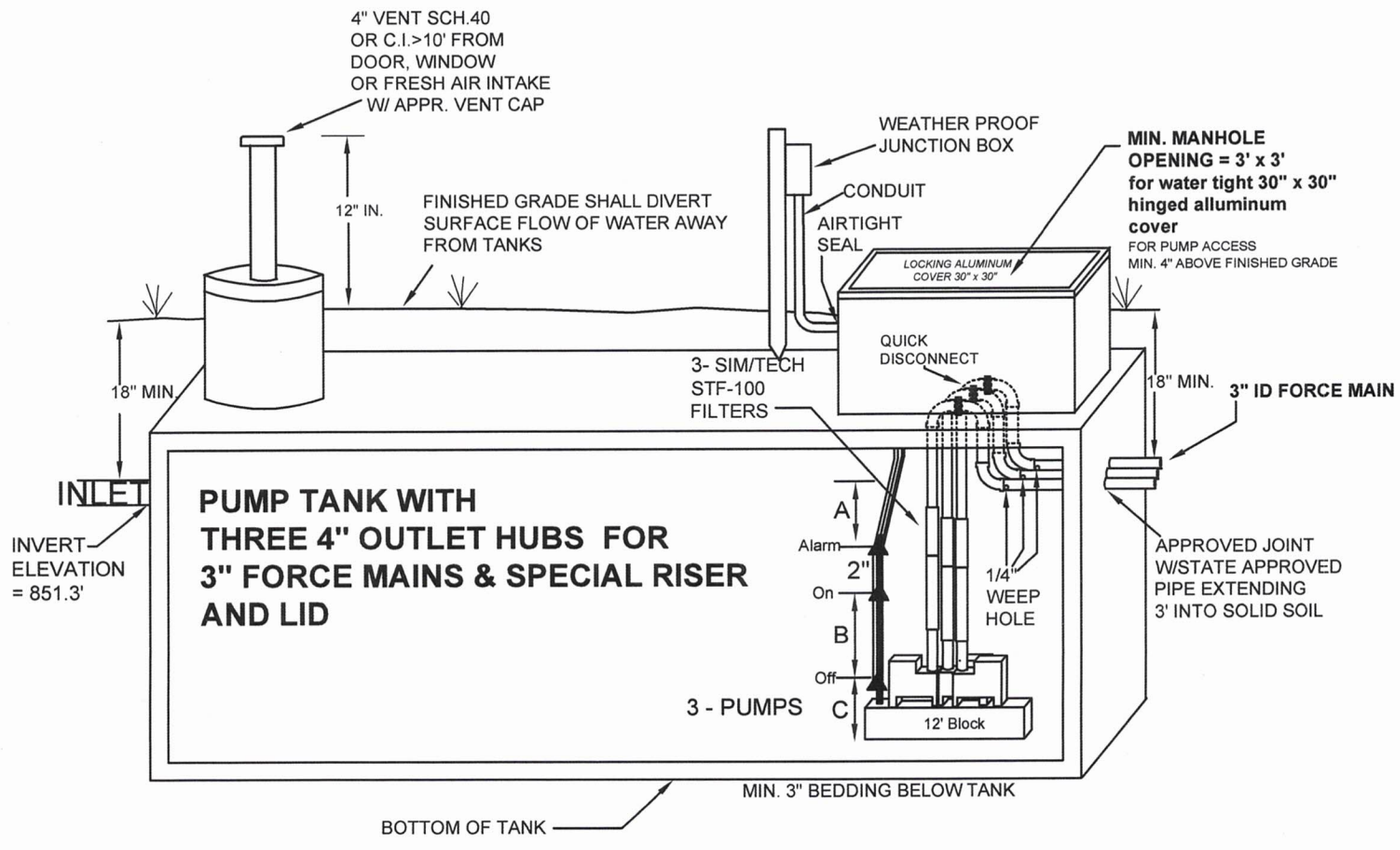
NOTE: PUMP AND ALARM ARE TO BE INSTALLED ON SEPARATE CIRCUITS.

**** ADDITIONAL PUMP OPTIONS: ZOELLER 189, LITTLE GIANT WS50H**

CONTROL PANEL: M-TECH CONTROL PANEL TPTAX-020-1-F-A1, OR EQUIV.

FLOAT: SJE RHOMBUS DOUBLE FLOAT MASTER OR EQUIVALENT

FILTER MANUFACTURER & MODEL: SIM/TECH STF 100 OR EQUIVALENT



PUMP CHAMBER CROSS SECTION AND SPECIFICATIONS (WITH TRIPLEX PUMPS)

LIFT PUMP TANK

CELL 2 USING CREST PRECAST TANK 1250L

MANUFACTURER: CREST — STATE APPROVED SEPTIC TANK

SIZE OF TANK: 1371.6 GALLONS — (OR EQUIVALENT TANK)

LIQUID DEPTH: 36 INCHES — 38.1 GALLONS/1" DOSE

PUMP MANUFACTURER & MODEL NUMBER: GOULDS WE10H ** 3 PUMPS

FORCE MAIN LENGTH: 140 FEET

FORCE MAIN DIAMETER: 3 INCHES

LOWEST ELEV.PUMP OFF (FT.)	RANGE OF LIFT(FT): 7.35 TO 9.35
849.1	FRICTION LOSS(FT): 2.49

DISTAL PRESSURE/FITTINGS/FILTER ADDITION(FT): 3.75 DISTAL = 2.5

TDH: 15.59

DISTANCE BETWEEN PUMP "ON" & PUMP "OFF": 8 INCHES

GALLONS PUMPED PER CYCLE: 304.8

(DOSE VOLUME: 198.03 GAL. VOID VOL: 51.52 GAL.

TOTAL DOSE: 249.55 GAL. MIN.DIST.PUMP ON& OFF: 6.55 INCHES)

MIN. DISCHRG. RATE (GPM): 83.16 PUMP DISCHARGE RATE (GPM): 101

CAPACITIES: A= 14 INCHES = 533 GALLONS (TRIPLEX PUMPS)

B= 8 INCHES = 305 GALLONS

C= 12 INCHES = 457 GALLONS

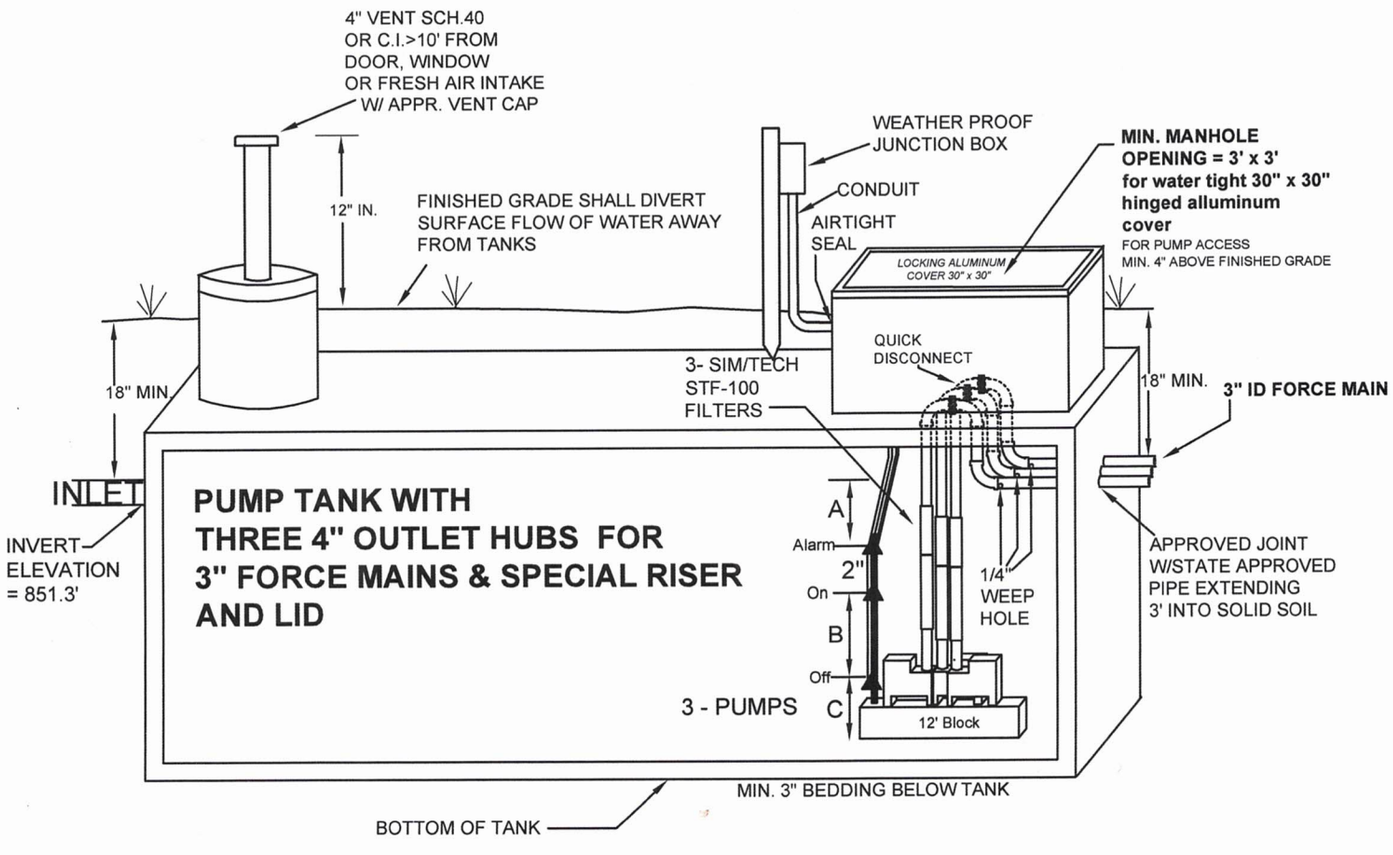
NOTE: PUMP AND ALARM ARE TO BE INSTALLED ON SEPARATE CIRCUITS.

**** ADDITIONAL PUMP OPTIONS: ZOELLER 189, LITTLE GIANT WS50H**

CONTROL PANEL: M-TECH CONTROL PANEL TPTAX-020-1-F-A1, OR EQUIV.

FLOAT: SJE RHOMBUS DOUBLE FLOAT MASTER OR EQUIVALENT

FILTER MANUFACTURER & MODEL: SIM/TECH STF 100 OR EQUIVALENT



PUMP CHAMBER CROSS SECTION AND SPECIFICATIONS (WITH TRIPLEX PUMPS)

LIFT PUMP TANK

CELL 3 USING CREST PRECAST TANK 1250L

MANUFACTURER:	CREST	STATE APPROVED SEPTIC TANK	
SIZE OF TANK:	1371.6 GALLONS	(OR EQUIVALENT TANK)	
LIQUID DEPTH:	36 INCHES	38.1 GALLONS/1" DOSE	
PUMP MANUFACTURER & MODEL NUMBER:		GOULDS WE10H	** 3 PUMPS
FORCE MAIN LENGTH:		115 FEET	
FORCE MAIN DIAMETER:		3 INCHES	
LOWEST ELEV.PUMP OFF (FT.) 849.1	RANGE OF LIFT(FT):	6.7 TO	8.7
	FRICTION LOSS(FT):	2.05	
DISTAL PRESSURE/FITTINGS/FILTER ADDITION(FT):		3.75 DISTAL =	2.5
TDH:		14.5	
DISTANCE BETWEEN PUMP "ON" & PUMP "OFF":		8 INCHES	
GALLONS PUMPED PER CYCLE:		304.8	
(DOSE VOLUME:	198.03 GAL.	VOID VOL: 42.32 GAL.	
TOTAL DOSE:	240.35 GAL.	MIN.DIST.PUMP ON& OFF: 6.31 INCHES)	
MIN. DISCHRG. RATE (GPM):	83.16	PUMP DISCHARGE RATE (GPM):	102
CAPACITIES: A=	14 INCHES =	533 GALLONS (TRIPLEX PUMPS)	
B=	8 INCHES =	305 GALLONS	
C=	12 INCHES =	457 GALLONS	

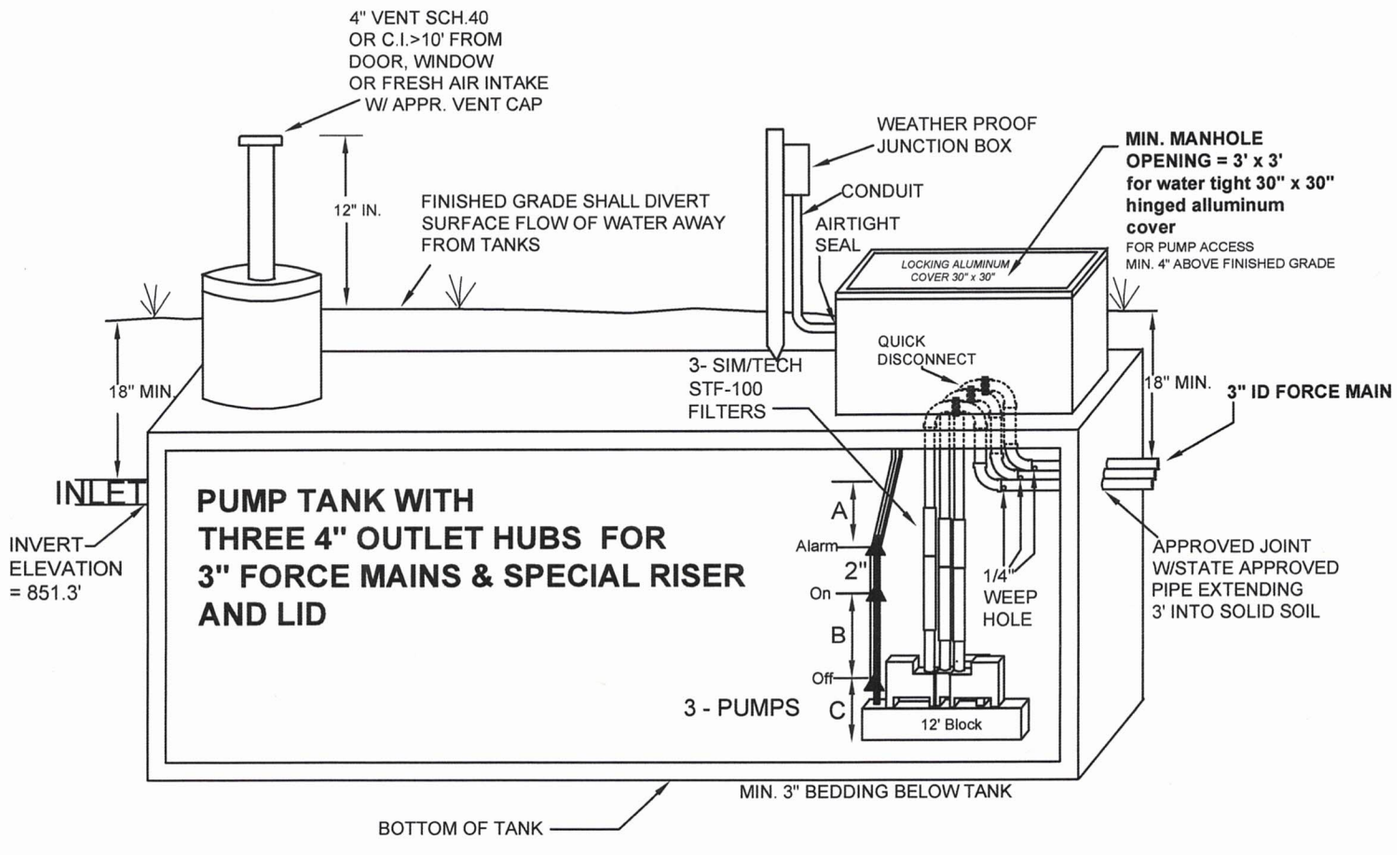
NOTE: PUMP AND ALARM ARE TO BE INSTALLED ON SEPARATE CIRCUITS.

**** ADDITIONAL PUMP OPTIONS: ZOELLER 189, LITTLE GIANT WS50H**

CONTROL PANEL: M-TECH CONTROL PANEL TPTAX-020-1-F-A1, OR EQUIV.

FLOAT: SJE RHOMBUS DOUBLE FLOAT MASTER OR EQUIVALENT

FILTER MANUFACTURER & MODEL: SIM/TECH STF 100 OR EQUIVALENT



PUMP CHAMBER CROSS SECTION AND SPECIFICATIONS (WITH TRIPLEX PUMPS)

LIFT PUMP TANK

CELL 1 USING DALMARAY TANK 1250

MANUFACTURER:	DALMARAY	STATE APPROVED SEPTIC TANK	
SIZE OF TANK:	1262.5 GALLONS	(OR EQUIVALENT TANK)	
LIQUID DEPTH:	50.5 INCHES	25 GALLONS/1" DOSE	
PUMP MANUFACTURER & MODEL NUMBER:		GOULDS WE10H	** 3 PUMPS
FORCE MAIN LENGTH:		170 FEET	
FORCE MAIN DIAMETER:		3 INCHES	
LOWEST ELEV.PUMP OFF (FT.) 847.9	RANGE OF LIFT(FT):	9.2 TO	11.2
	FRICTION LOSS(FT):	3.03	
DISTAL PRESSURE/FITTINGS/FILTER ADDITION(FT):		3.75 DISTAL =	2.5
	TDH:	17.98	
DISTANCE BETWEEN PUMP "ON" & PUMP "OFF":		13 INCHES	
	GALLONS PUMPED PER CYCLE:	325	

(DOSE VOLUME: 198.03 GAL. VOID VOL: 62.56 GAL.
TOTAL DOSE: 260.59 GAL. MIN.DIST.PUMP ON& OFF: 10.42 INCHES)

MIN. DISCHRG. RATE (GPM): 83.16 PUMP DISCHARGE RATE (GPM): 99

CAPACITIES:	A=	23.5 INCHES =	588 GALLONS (TRIPLEX PUMPS)
	B=	13 INCHES =	325 GALLONS
	C=	12 INCHES =	300 GALLONS

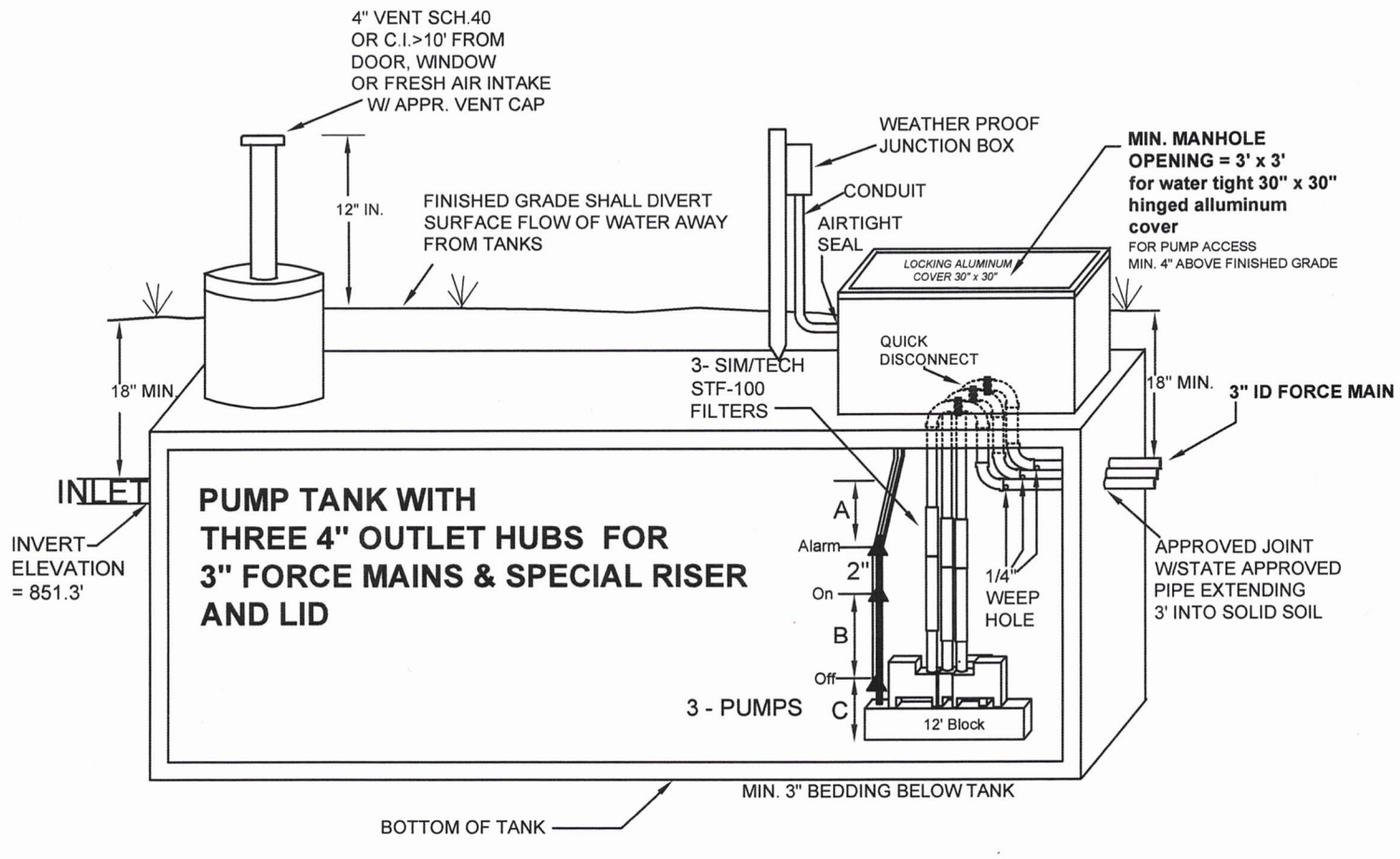
NOTE: PUMP AND ALARM ARE TO BE INSTALLED ON SEPARATE CIRCUITS.

**** ADDITIONAL PUMP OPTIONS: ZOELLER 189, LITTLE GIANT WS50H**

CONTROL PANEL: M-TECH CONTROL PANEL TPTAX-020-1-F-A1, OR EQUIV.

FLOAT: SJE RHOMBUS DOUBLE FLOAT MASTER OR EQUIVALENT

FILTER MANUFACTURER & MODEL: SIM/TECH STF 100 OR EQUIVALENT



PUMP CHAMBER CROSS SECTION AND SPECIFICATIONS (WITH TRIPLEX PUMPS)

LIFT PUMP TANK

CELL 2 USING DALMARAY TANK 1250

MANUFACTURER: DALMARAY — STATE APPROVED SEPTIC TANK

SIZE OF TANK: 1262.5 GALLONS — (OR EQUIVALENT TANK)

LIQUID DEPTH: 50.5 INCHES — 25 GALLONS/1" DOSE

PUMP MANUFACTURER & MODEL NUMBER: GOULDS WE10H ** 3 PUMPS

FORCE MAIN LENGTH: 140 FEET

FORCE MAIN DIAMETER: 3 INCHES

LOWEST ELEV.PUMP OFF (FT.)	RANGE OF LIFT(FT):	8.55 TO 10.55
847.9	FRICTION LOSS(FT):	2.49

DISTAL PRESSURE/FITTINGS/FILTER ADDITION(FT): 3.75 DISTAL = 2.5

TDH: 16.79

DISTANCE BETWEEN PUMP "ON" & PUMP "OFF": 13 INCHES

GALLONS PUMPED PER CYCLE: 325

(DOSE VOLUME: 198.03 GAL. VOID VOL: 51.52 GAL.

TOTAL DOSE: 249.55 GAL. MIN.DIST.PUMP ON& OFF: 9.98 INCHES)

MIN. DISCHRG. RATE (GPM): 83.16 PUMP DISCHARGE RATE (GPM): 100

CAPACITIES: A= 23.5 INCHES = 588 GALLONS (TRIPLEX PUMPS)

B= 13 INCHES = 325 GALLONS

C= 12 INCHES = 300 GALLONS

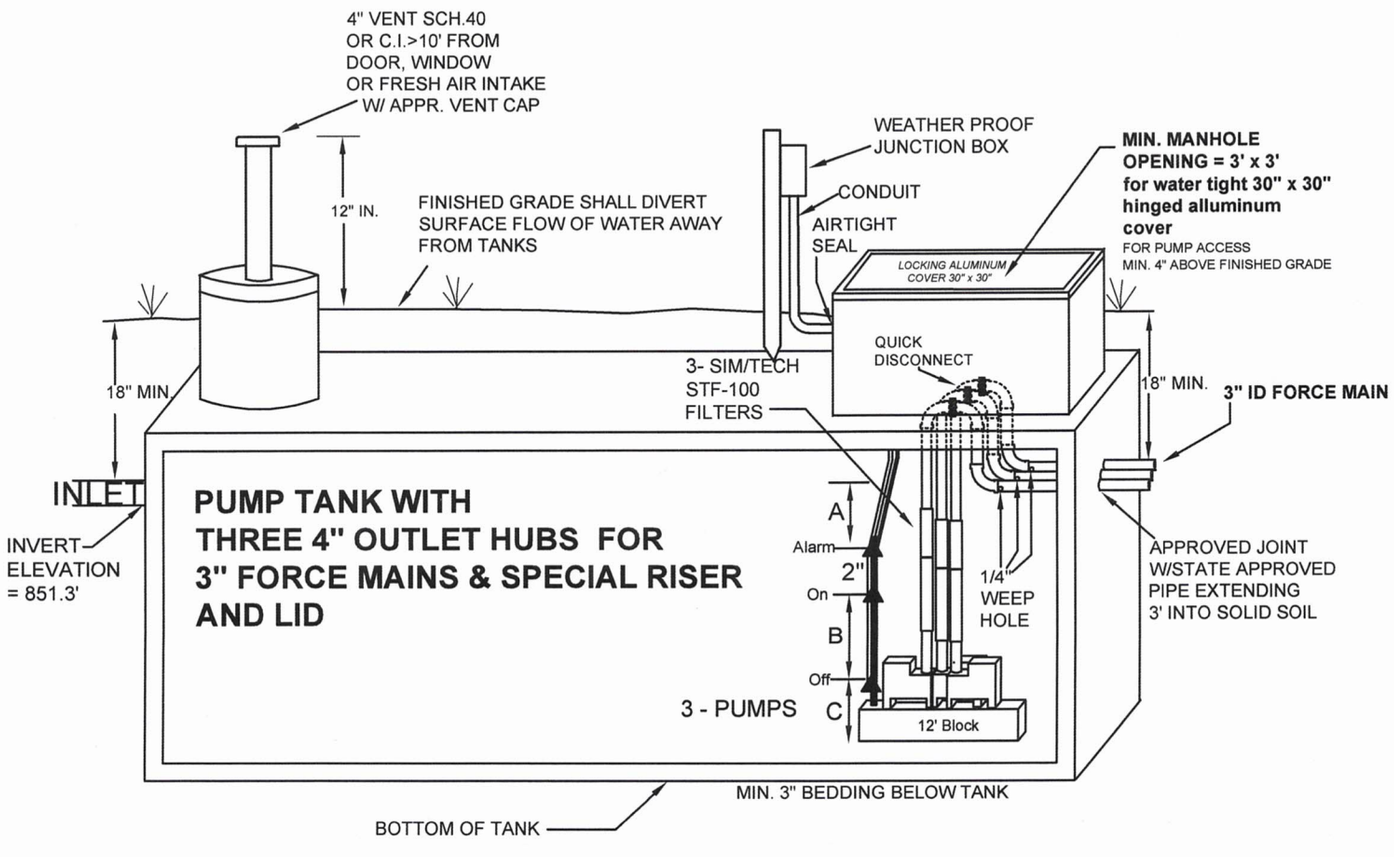
NOTE: PUMP AND ALARM ARE TO BE INSTALLED ON SEPARATE CIRCUITS.

**** ADDITIONAL PUMP OPTIONS: ZOELLER 189, LITTLE GIANT WS50H**

CONTROL PANEL: M-TECH CONTROL PANEL TPTAX-020-1-F-A1, OR EQUIV.

FLOAT: SJE RHOMBUS DOUBLE FLOAT MASTER OR EQUIVALENT

FILTER MANUFACTURER & MODEL: SIM/TECH STF 100 OR EQUIVALENT



PUMP CHAMBER CROSS SECTION AND SPECIFICATIONS (WITH TRIPLEX PUMPS)

LIFT PUMP TANK

CELL 3 USING DALMARAY TANK 1250

MANUFACTURER: DALMARAY — STATE APPROVED SEPTIC TANK

SIZE OF TANK: 1262.5 GALLONS — (OR EQUIVALENT TANK)

LIQUID DEPTH: 50.5 INCHES — 25 GALLONS/1" DOSE

PUMP MANUFACTURER & MODEL NUMBER: GOULDS WE10H ** 3 PUMPS

FORCE MAIN LENGTH: 115 FEET

FORCE MAIN DIAMETER: 3 INCHES

LOWEST ELEV.PUMP OFF (FT.)
847.9

RANGE OF LIFT(FT): 7.95 TO 9.95

FRICTION LOSS(FT): 2.05

DISTAL PRESSURE/FITTINGS/FILTER ADDITION(FT): 3.75 DISTAL = 2.5

TDH: 15.75

DISTANCE BETWEEN PUMP "ON" & PUMP "OFF": 13 INCHES

GALLONS PUMPED PER CYCLE: 325

(DOSE VOLUME: 198.03 GAL. VOID VOL: 42.32 GAL.

TOTAL DOSE: 240.35 GAL. MIN.DIST.PUMP ON& OFF: 9.61 INCHES)

MIN. DISCHRG. RATE (GPM): 83.16 PUMP DISCHARGE RATE (GPM): 101

CAPACITIES: A= 23.5 INCHES = 588 GALLONS (TRIPLEX PUMPS)

B= 13 INCHES = 325 GALLONS

C= 12 INCHES = 300 GALLONS

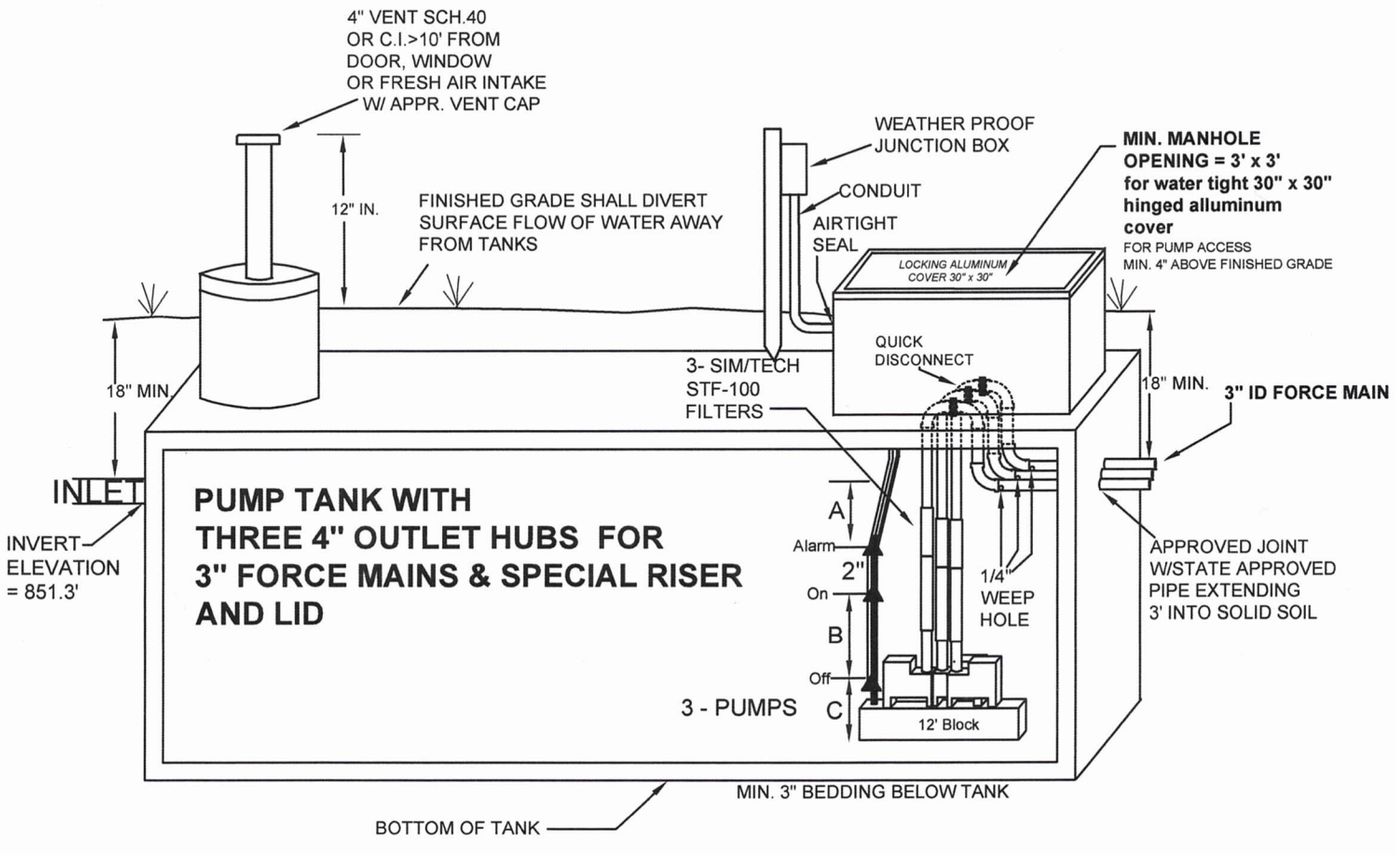
NOTE: PUMP AND ALARM ARE TO BE INSTALLED ON SEPARATE CIRCUITS.

**** ADDITIONAL PUMP OPTIONS: ZOELLER 189, LITTLE GIANT WS50H**

CONTROL PANEL: M-TECH CONTROL PANEL TPTAX-020-1-F-A1, OR EQUIV.

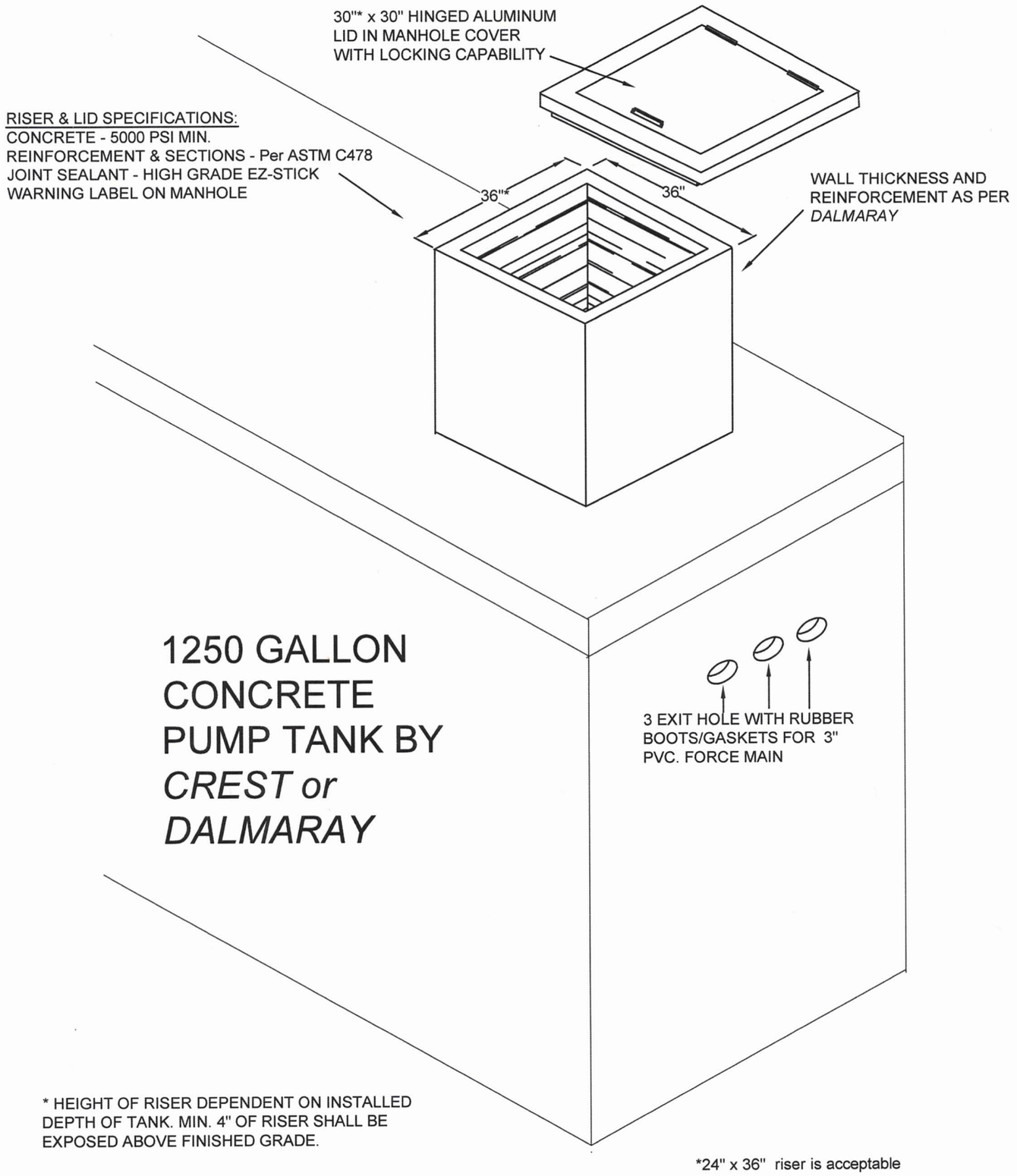
FLOAT: SJE RHOMBUS DOUBLE FLOAT MASTER OR EQUIVALENT

FILTER MANUFACTURER & MODEL: SIM/TECH STF 100 OR EQUIVALENT



SPECIAL CONCRETE RISER OVER PUMPS WITH 4" DIAMETER CIRCULAR POURED HOLES FOR 3" FORCE MAIN EXIT

for DODGE COUNTY - ASTICO PARK

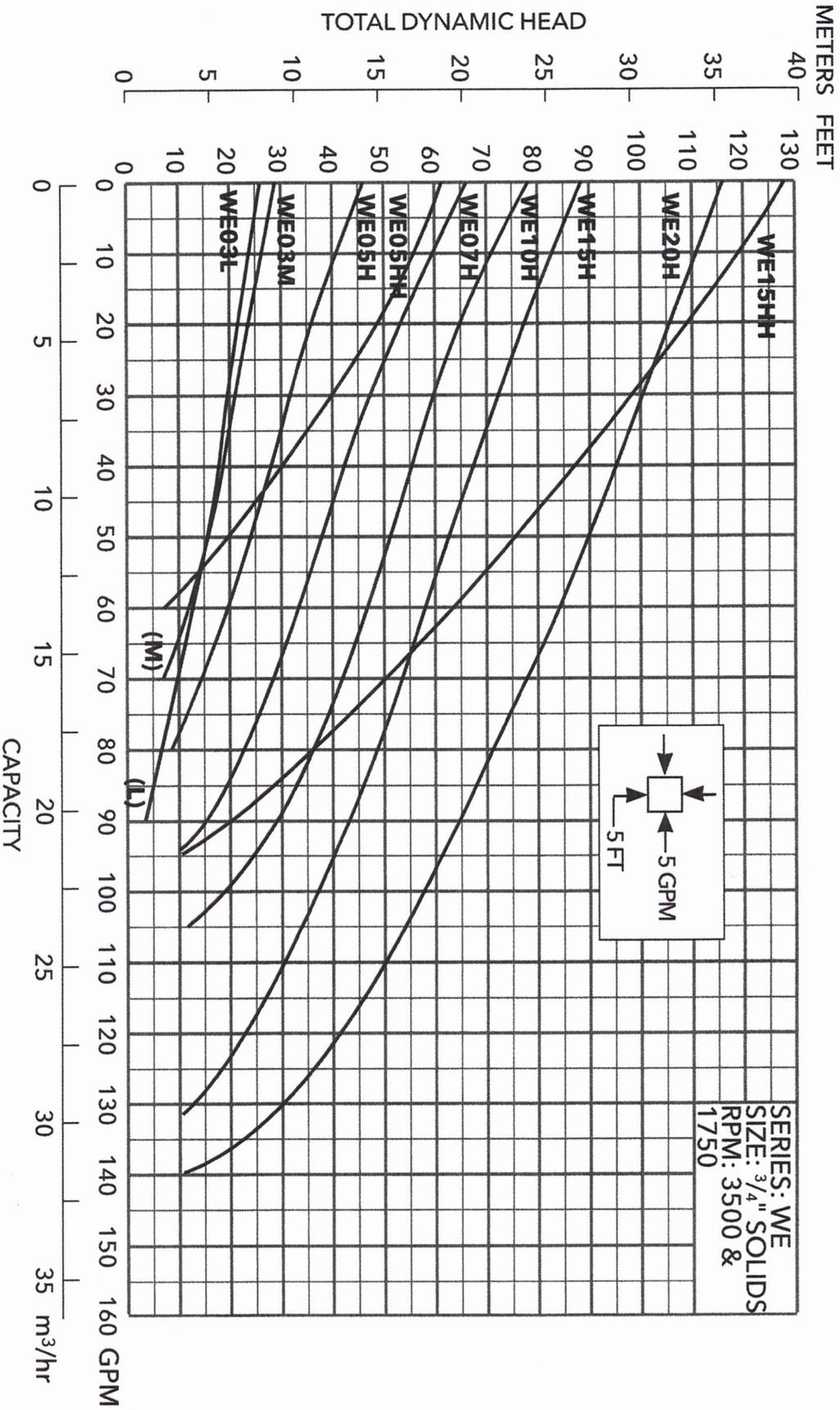


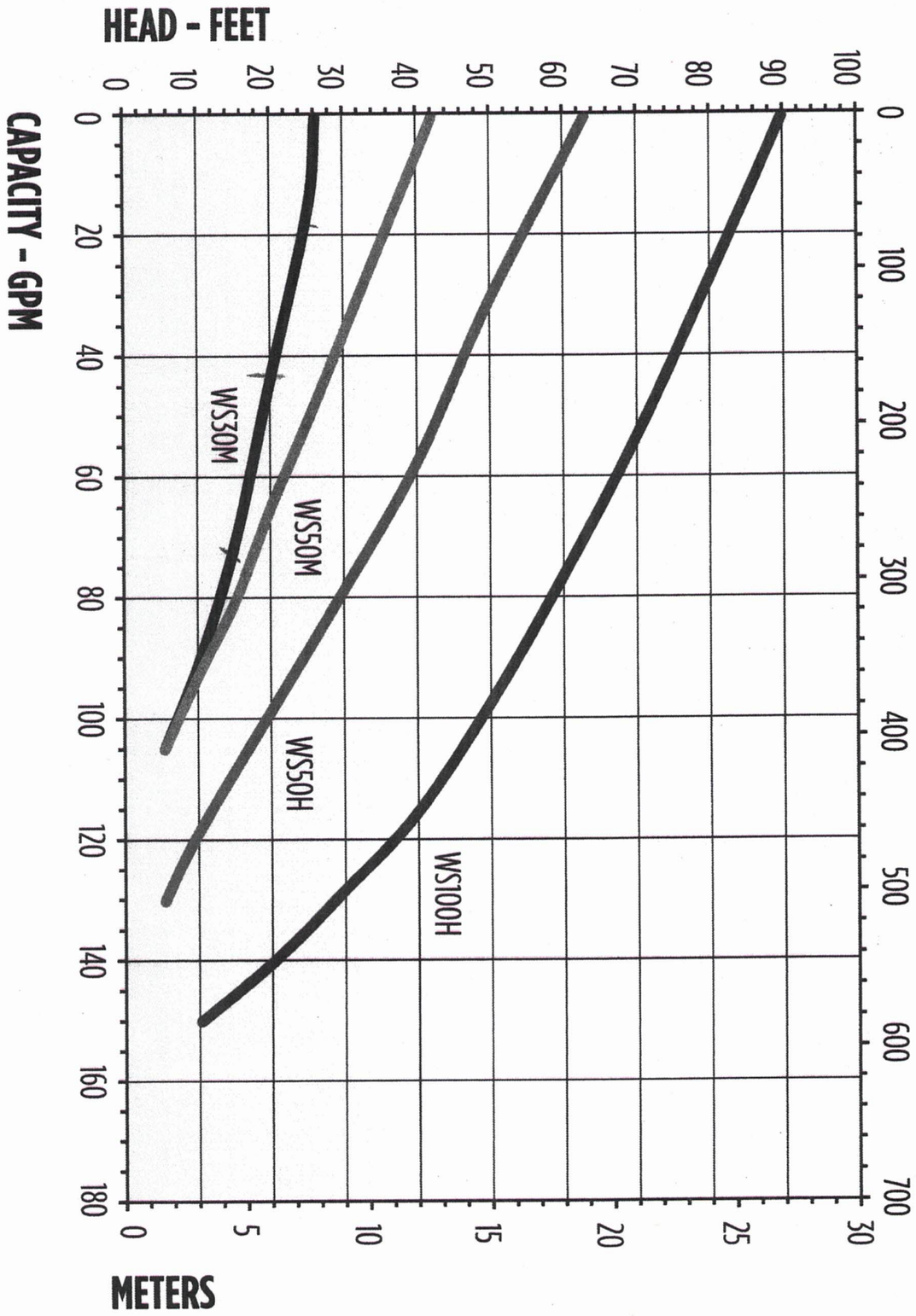
* HEIGHT OF RISER DEPENDENT ON INSTALLED DEPTH OF TANK. MIN. 4" OF RISER SHALL BE EXPOSED ABOVE FINISHED GRADE.

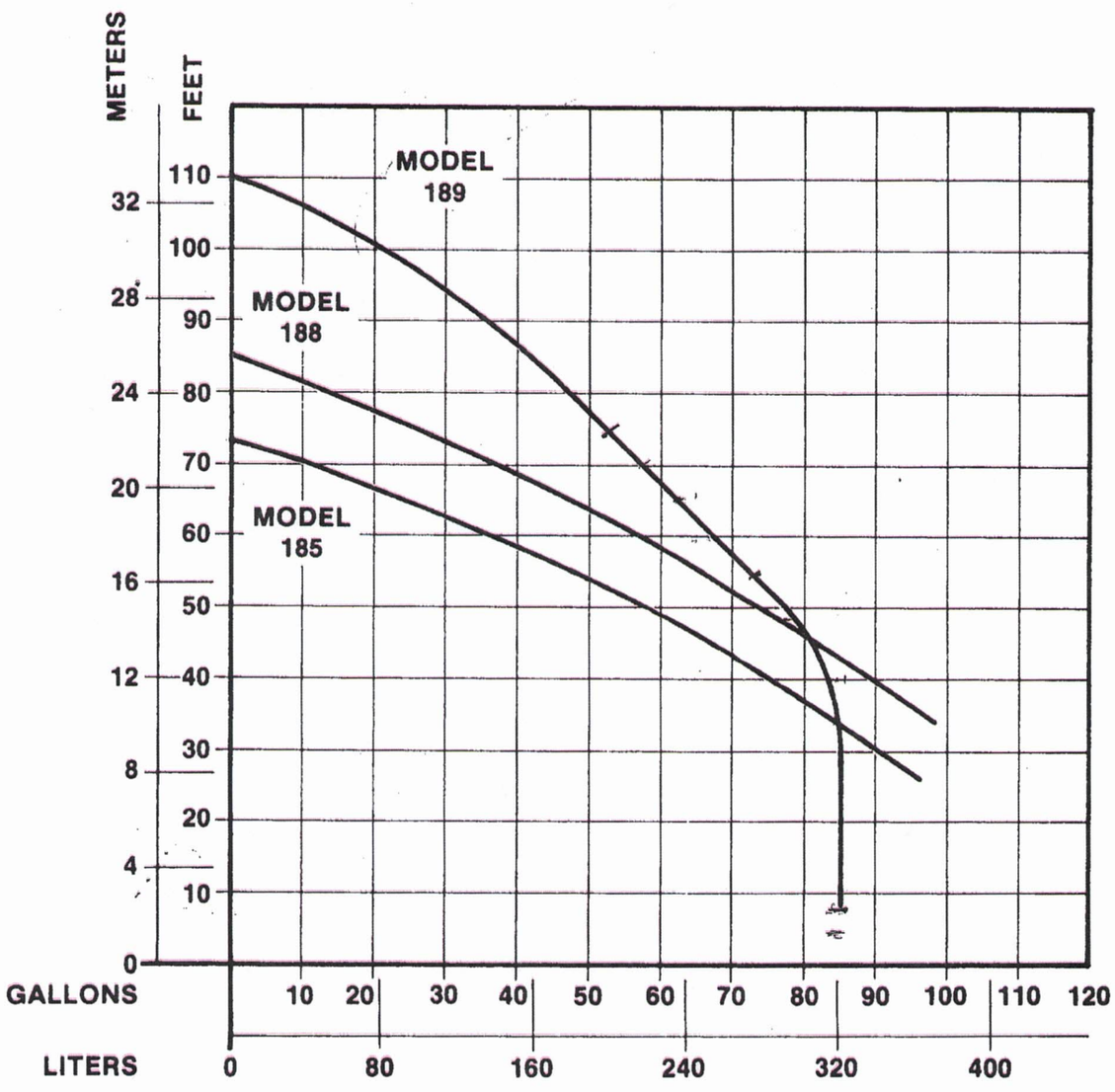
*24" x 36" riser is acceptable

*21" x 30" HINGED ALUMINUM LID IN MANHOLE COVER is acceptable

GOULDS WE SERIES PUMPS




HEAD - FEET
0
10
20
30
40
50
60
70
80
90
100
CAPACITY - GPM
0
20
40
60
80
100
120
140
160
180
0
100
200
300
400
500
600
700
0
5
10
15
20
25
30
METERS
WS30M
WS50M
WS50H
WS100H


METERS
FEET
MODEL 189
MODEL 188
MODEL 185
32
28
24
20
16
12
8
4
0
110
100
90
80
70
60
50
40
30
20
10
GALLONS
10 20 30 40 50 60 70 80 90 100 110 120
LITERS
0 80 160 240 320 400

SIM/TECH FILTER

Mailing Address
1455 Lexamar Drive, Boyne City, MI 49712

Toll Free 888-999-3290
Office 231-582-1020
Fax 231-582-7324
Email simtech@freeway.NET
Web www.gag-simtech.com

INSTALLATION & SERVICE INSTRUCTIONS

INSTALLATION:

When installing an STF-100, screw filter into discharge port of any pump that has a 2" National Pipe Thread. Pumps with a smaller discharge port may be adapted to fit. When installing an STF-100A2 a tailpiece and male adapter will need to be added to the inlet end of the filter to the desired height and a 2" union will need to be added to the outlet end of the filter. Always install the filters in a position where they can be easily serviced. **Always use caution when starting threads to avoid cross threading**. Plumb force main into the 2" sch 80 PVC union. **We recommend that the union remain together during gluing to insure that glue or cleaner does not ruin O-ring or sealing surface**.

SERVICE: **DO NOT REMOVE FILTER IF WATER LEVEL IS ABOVE FILTER CANISTER**

Service of filter screen is dependent on usage as every system is unique. For most residential systems we recommend inspecting the filter within the first year to determine the necessary service intervals for the filter. In high volume systems we recommend inspection within the first 6 months to determine necessary service intervals for the filter. Once the service interval is determined it should be consistent unless something changes in the system. Always inspect the filter screen for any damage or corrosion and replace if necessary. If our STF-101 service alarm switch has been installed and adjusted properly it will alarm when the filter requires service. It should be serviced no less than when periodic pumping of the septic tank and pump chamber is performed. Servicing will be more frequent if using any one of our optional filter socks (600 micron, 150-190 micron, and 100 micron). Check your local health department for septic system servicing recommendations.

DO NOT USE PLUMBING WHILE FILTER IS REMOVED

If the screen becomes clogged before the periodic pumping requirements, a high level alarm or light will indicate the need for service. If system is equipped with a "pump on light" that stays on longer than normal, this also may indicate a need to service filter.

DO NOT ALLOW SOLIDS TO FALL INTO FILTER CASE

To service filter screen, unscrew the 4" cap. Pull filter screen from canister and wash out thoroughly in appropriate location with proper protection. In some cases an additional filter screen allows quicker service allowing the dirty filter to be washed later at the shop. *Note that in cold conditions the filter cap may be difficult to remove. Keep the filter in a warm area or pour warm water over the cap before removing. Once the filter is installed in the tank it maintains a stable temperature and removing the cap will not be a problem.*

If the system is equipped with our Service Alarm Switch, the filter screen does not need service until the Service Alarm Switch activates a light or audio alarm. We still recommend that the filter be inspected once a year for damage or corrosion.

NOTE: The total dynamic head loss of the system must be increased by 0.5 feet of head to overcome friction loss through the filter.

SERVICE ALARM SWITCH

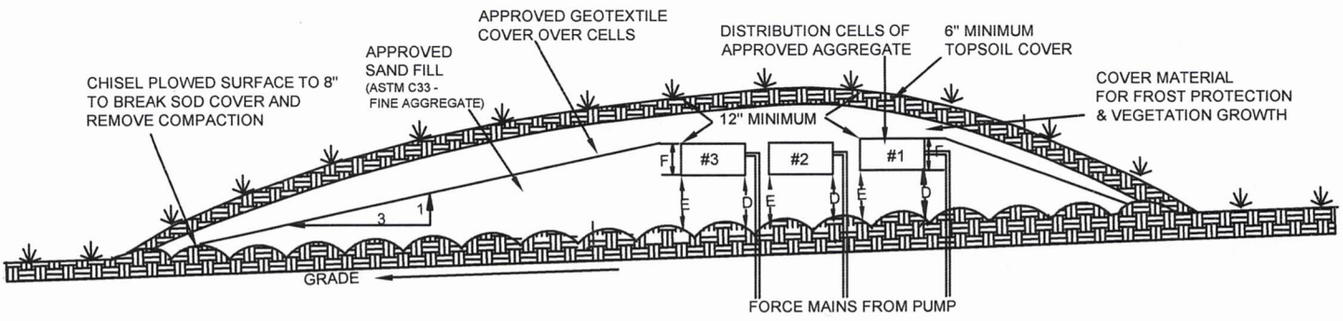
The alarm switch is available in three pressure ranges, low head, medium head, and high head. Installation is simple, on SIM/TECH FILTER systems, remove ¼" plug from base of filter chamber and connect tube fitting. Next, run the tube up into the tank riser and connect to service alarm switch. The alarm switch is fastened to the side of the riser via the nylon strap provided. Run alarm wire to alarm box. The service alarm switch can be wired with its own alarm or with the high water alarm.

Pressure adjustment is made by removing the end plug, and inserting the 7/32 allen. Clockwise increases pressure. One turn equals approximately 3 PSI. The low head alarm switch comes factory preset at 8 PSI and is completely field adjustable within it's range (3 to 24 PSI). *We recommend the use of a ball valve when using an alarm switch. Once you have installed the filter and alarm switch, the ball valve can be closed off to simulate a plugged filter so that you can make sure the alarm switch is working correctly.*

****TRY OUR LID/SCREEN REMOVAL WRENCH. Our wrench holds filter lid firmly and hooks screen for easy removal and installation. Made of PVC plastic.

MOUND CROSS SECTION AND PLAN VIEW

MOUND CROSS SECTION



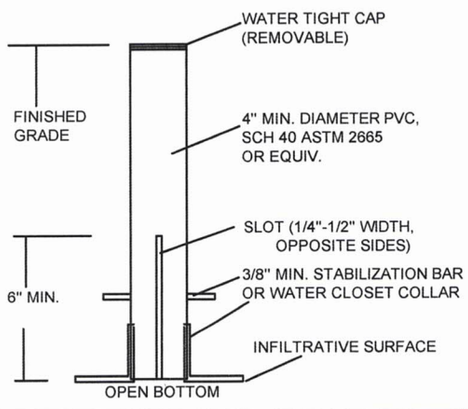
MOUND SPECIFICATIONS

ORIGINAL GRADE IS 4% SLOPE BELOW CELL 1 and 3.5% SLOPE BELOW CELLS 2 & 3
UPSLOPE FILL DEPTH (D) = 12" or 1.0'
DOWNSLOPE FILL DEPTH (E cell 1) = 16.8" or 1.4', (E cells 2, 3) = 16.2" or 1.35'
DISTRIBUTION CELL DEPTH (F) = 9.5"
EACH CELL HAS A 6 LINES OF 1.5" I.D. LATERALS WITH A MIN. OF 6" OF APPROVED AGGREGATE BELOW THE PIPE AND 2" ABOVE

MIN. MOUND SAND = 768 CUBIC YARDS

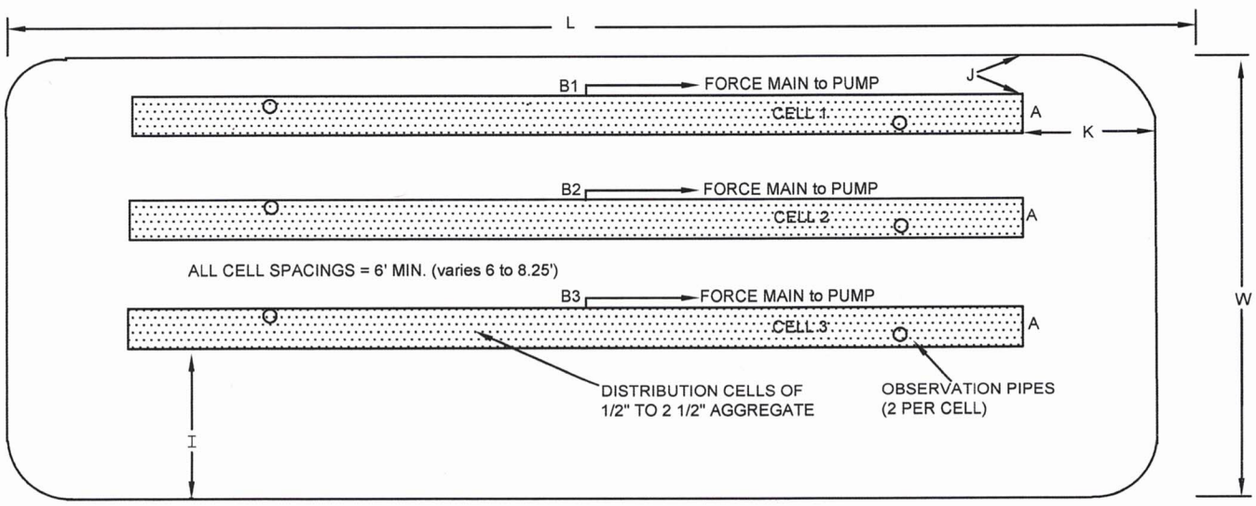
BASAL AREA REQUIRED = 7220 SQ. FT.
BASAL AREA AVAILABLE = 7829.195 SQ. FT.

OBSERVATION PIPE CROSS SECTION



MOUND PLAN VIEW SPECIFICATIONS

DISTRIBUTION CELL WIDTH (A) = 10'
DISTRIBUTION CELL LENGTH: (B1 = 147', B2 = 146', B3 = 146')
DOWNSLOPE WIDTH (I) = 9.25'
UPSLOPE WIDTH (J) = 6.5'
ENDSLOPE WIDTH (K) = 9.0'
MOUND WIDTH (W) = 57.75 - 60' (varies due to cell spacings)
MOUND LENGTH (L) = 164 - 165' varies due to cell 1 being 1 foot longer than the other two cells

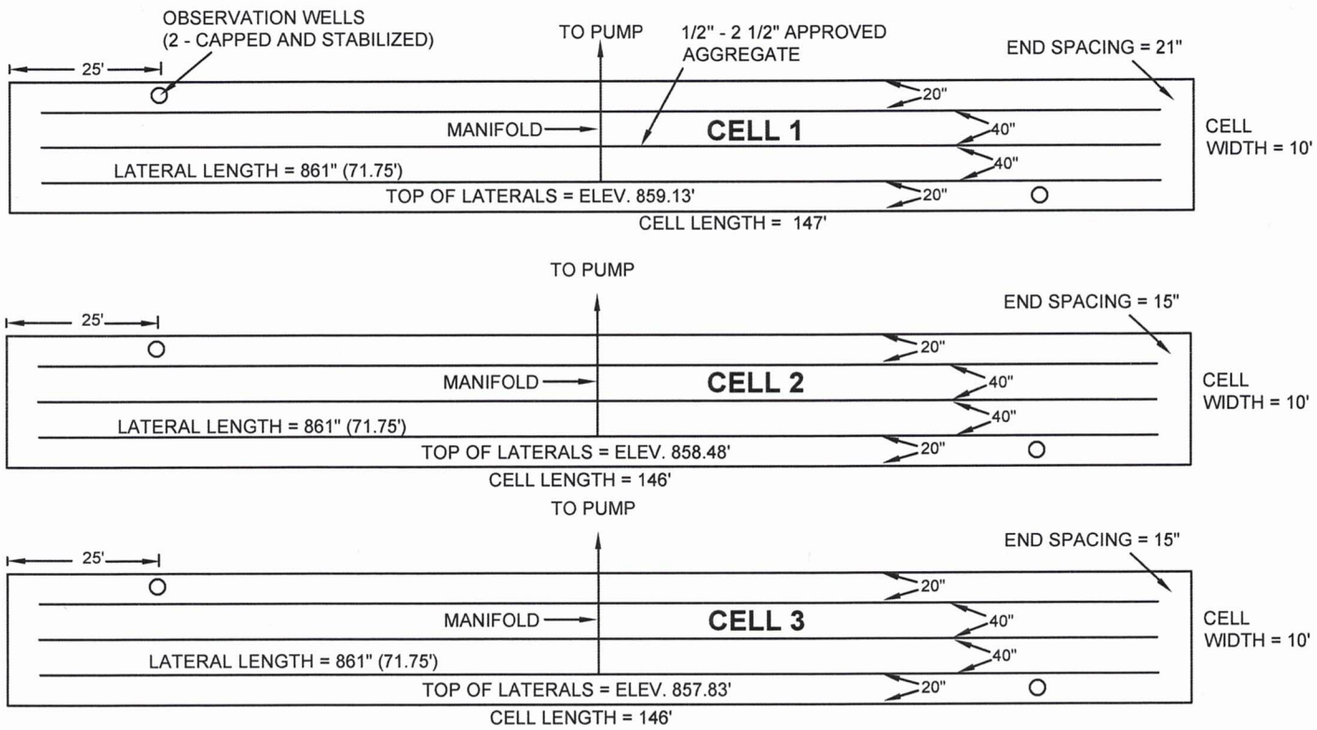


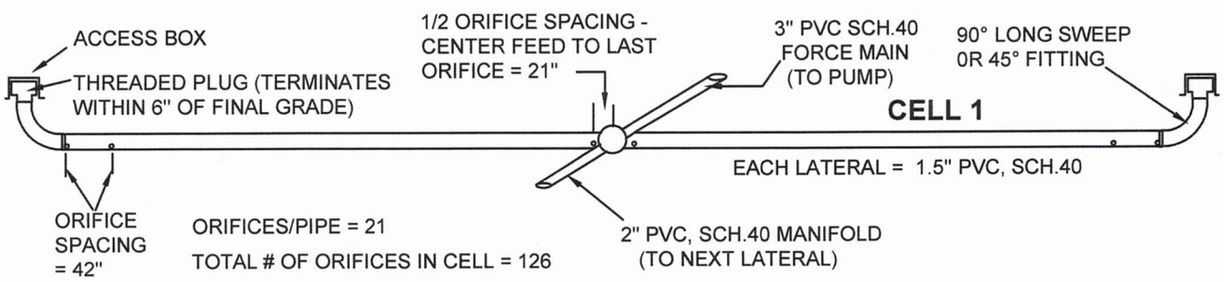
MOUND PLAN VIEW

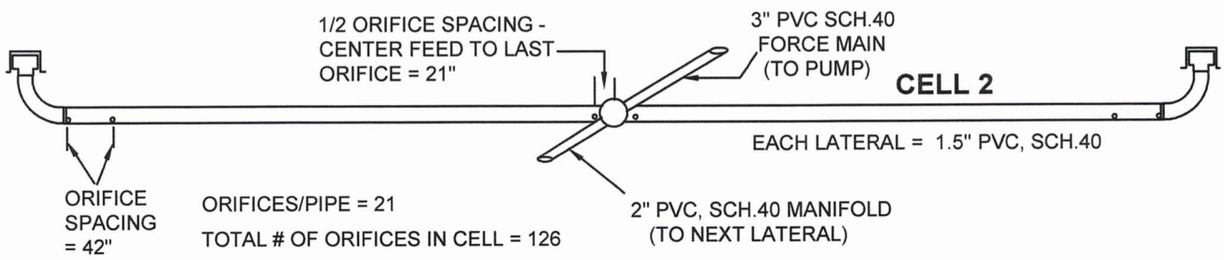
(SEE DISTRIBUTION CELL PLAN FOR LATERAL LAYOUT)

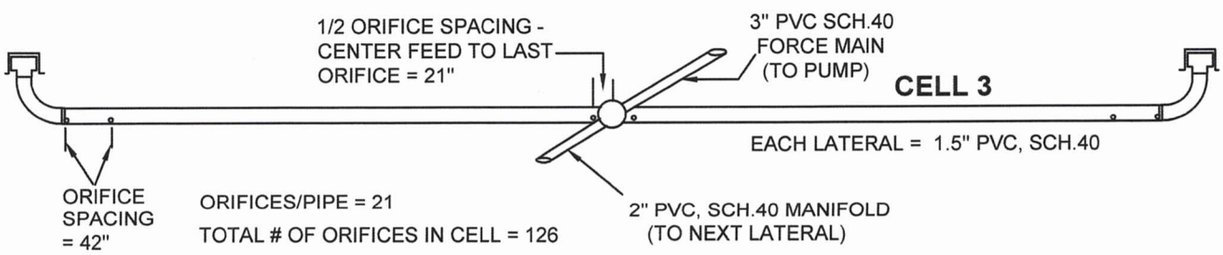
MOUND CELL SPECIFICATIONS

MOUND DISTRIBUTION CELL PLAN VIEW









PIPE LATERAL LAYOUT

3/16" ORIFICES ON BOTTOM OF A
1.5" LATERAL SPACED, ON CENTER,
AS SHOWN, WITH FIRST ORIFICE AT END

POWTS OWNER'S MANUAL & MANAGEMENT PLAN

FILE INFORMATION

Owner: ***DODGE COUNTY***	
Permit:	POWTS#

DESIGN PARAMETERS

Number of Bedrooms:		N/A
Number of Public Facility Units:	**	
Estimated (average) Flow:	***2888***	gal/day
Design (peak) Flow = estimated x 1.5:	***4332***	gal/day
In Situ Soil Application Rate:	**0.6**	gal/day/ft^2

Standard Domestic Influent/Effluent Monthly average

- Fats, Oil & Grease (FOG) ≤ 30 mg/L
- Biochemical Oxygen Demand (BOD5) ≤ 220 mg/L
- Total Suspended Solids (TSS) ≤ 150 mg/L

High Strength Influent/Effluent Monthly average

- Fats, Oil & Grease (FOG) > 30 mg/L
- Biochemical Oxygen Demand (BOD5) >220 mg/L — N/A
- Total Suspended Solids (TSS) > 150 mg/L

Pretreated Effluent Monthly average

- Biochemical Oxygen Demand (BOD5) ≤ 30 mg/L
- Total Suspended Solids (TSS) ≤ 30 mg/L — N/A
- Fecal Coliform (geometric mean) ≤10^4 cfu/100ml

Maximum Effluent Particle Size: 1/8 in. dia.

Other: N/A

SYSTEM SPECIFICATIONS

Tank Manufacturer: ***CREST OR DALMARAY***
[X] Septic [ ] Dose [ ] Holding Volume ***11000*** gal

Tank Manufacturer: ***CREST OR DALMARAY***
[ ] Septic [X] Dose [ ] Holding Volume ***1250*** gal

Vertical Distance Tank Bottom(s) to Service Pad: <15' ft
Horizontal Distance Tank(s) to Service Pad: <150' ft.
Specific servicing mechanics must be provided if vertical is >15 ft.
or if horizontal is >150 ft. Specific instructions on plan addendum.

Effluent Filter Manufacturer and Model: 4 filters
1 POLYLOK PL-525 filter tank, 3 SIM TECH STF 100 pump tank

Pump Manufacturer and Model:
GOULDS WE10H or LITTLE GIANT WS50H or ZOELLER 189

Pretreatment Unit
Manufacturer:
[ ] Mechanical Aeration [ ] Peat Filter
[ ] Disinfection [ ] Wetland N/A
[ ] Sand/Gravel Filter [ ] Other:

Soil Absorption System
[ ] In-ground (gravity) [ ] In-ground(pressure)
[ ] At-grade [X] Mound
[ ] Drip-line [ ] Other:

Other: N/A

** 40 campsites, 22 dumps/dump station, 152 daily park users, 6 floor drains

MAINTENANCE SCHEDULE

Service Event	Service
Pump out contents of tank(s)	When combined sludge and scum equals one-third(1/3) of tank volume. When the high water alarm is activated.
Inspect condition of tank(s)	At least once every 3 years
Inspect dispersal cell(s)	At least once every 3 years
Clean effluent filter	Every year or as needed within a 3 year interval
Inspect pump, pump controls & alarm	At least once every 3 years
Flush laterals and pressure test	As needed
Other:	N/A
Other:	N/A

MAINTENANCE INSTRUCTIONS

Inspection of tanks and dispersal cell(s) shall be made by an individial carrying one of the following licenses or certifications: Master Plumber, Master Plumber Restricted Sewer, POWTS Inspector, POWTS Maintainer, Septage Servicing Operator (pumper). Tank inspections must include a visual inspection of the tank(s) to identify any missing or broken hardware, identify any cracks or leaks, measure the volume of combined sludge and scum and a check for any backup or ponding of effluent on the ground surface. The dispersal cell(s) shall be visually inspected to check the effluent levels in the observation pipes and to check for any ponding of effluent in the ground surface. The ponding of effluent on the ground surface may indicate a failing condition and require the immediate notification of the local regulatory authority.

When the combined accumulation of sludge and scum in any treatment tank equals one-third (1/3) or more of the tank volume, the entire contents of the tank shall be removed by a Septage Servicing Operator and disposed of in accordance with chapter NR 113, Wisconsin Administrative Code.

All other services, including but not limited to the servicing of effluent filters, mechanical or pressurized components, pretreatment units, and any servicing at intervals of ≤ 12 months, shall be performed by a certified POWTS Maintainer.
A service report shall be provided to the local regulatory authority within 30 days of completion of any service event.

START UP AND OPERATION

For new construction, prior to use of the POWTS, check treatment tank(s) for the presence of painting products, solvents or other chemicals or sediment that may impede the treatment process and/or damage the soil absorption cell(s). If high concentrations are detected, have the contents of the tank(s) removed by a septage servicing operator prior to use.

System start up shall not occur when the soil conditions are frozen at the infiltrative surface.

During extended power outages, pump tanks may fill above normal highwater levels. When power is restored the excess wastewater will be discharged to the dispersal cell(s) in one large dose and may overload them resulting in the backup or surface discharge of effluent. To avoid this situation have the contents of the pump tank removed by a Septage Servicing Operator prior to restoring power to the effluent pump or contact a Plumber or POWTS Maintainer to assist in manually operating the pump controls to restore normal levels within the pump tank.

Do not drive or park vehicles over tanks and dispersal cells. Do not drive or park over, or otherwise disturb or compact, the area within 15 feet down slope of any mound or at-grade soil absorption area.

Reduction or elimination of the following from the wastewater stream may improve the performance and prolong the life of the POWTS: antibiotics, baby wipes, cigarette butts, condoms, cotton swabs, degreasers, dental floss, diapers, disinfectants, fat, foundation drain (sump pump) discharge, fruit and vegetable peelings, gasoline, greases, herbicides, meat scraps, medications, oils, painting products, pesticides, sanitary napkins, tampons and water softener brine.

ABANDONMENT

When the POWTS fails and/or is permanently taken out of service the following steps shall be taken to insure that the system is properly and safely abandoned in compliance with s. SPS 383.33, Wisconsin Administrative Code.

- All piping to tanks, pits and other soil absorption systems shall be disconnected and the abandoned pipe openings sealed.
- The contents of all tanks and pits shall be removed and properly disposed of by a Septage Servicing Operator (pumper).
- After pumping, all tanks and pits shall be excavated and removed or their covers removed and the void space filled with soil, gravel or another inert solid material

CONTINGENCY PLAN

If the POWTS fails and cannot be repaired the following measures have been, or must be taken, to provide a code compliant replacement system:

The site has not been evaluated to identify a suitable replacement area. Upon failure of the POWTS a soil and site evaluation must be performed to locate a suitable replacement area. If no replacement area is available a holding tank may be installed as a last resort to replace the failed POWTS.

Mound and at-grade soil absorption systems may be reconstructed in place following removal of the biomat at the infiltrative surface. Reconstruction of such systems must comply with the rules in effect at the time.

WARNING: TREATMENT TANKS AND HOLDING TANKS MAY CONTAIN POISONOUS GASSES AND LACK SUFFICIENT OXYGEN TO SUPPORT LIFE. NEVER ENTER A TREATMENT TANK OR HOLDING TANK UNDER ANY CIRCUMSTANCES. DEATH MAY RESULT. ESCAPE OR RESCUE FROM THE INTERIOR OF THE TANK IS VERY DIFFICULT.

ADDITIONAL INFORMATION:

POWTS INSTALLER

Name:
Phone:

POWTS MAINTAINER

Name:
Phone:

SEPTAGE SERVICING OPERATOR (PUMPER)

Name:
Phone:

LOCAL REGULATORY AUTHORITY

Name: *DODGE CO. LAND RESOURCES & PARKS*
Phone: *(920)386-3700*

This document is intended to meet minimum requirements of Ch. SPS 383.22(2)(b)(1)(d)&(f) & 383.54(1),(2),& (3), Wisconsin Administrative Code. Use of this document does not guarantee the performance of the POWTS.

Department of Safety and Professional Services
Division of Industry Services
Plumbing Product Review
4822 Madison Yards Way
P.O. Box 7162
Madison, Wisconsin 53707-7162
Phone 608-266-2112
Web
Email dsps@wisconsin.gov
TTY: Contact Through Relay

Governor Tony Evers **Dawn Crim, Secretary**

May 31, 2022

Dept. of Safety and Professional Services
Bureau of Technical Services
Division of Industry Services
Brad Johnson - Section Chief
4822 Madison Yards Way
Madison WI 53705

Re:

Description:	POWTS Component Manual
Manufacturer:	Dept. of Safety and Professional Services
Product Name:	Mound Component Manual for POWTS (Version 2.1), (May 2022-2027)
Model Number(s):	v. 2.1
eSLA PTO No.:	PP-051700078-PTOVPCR

The specifications and/or plans for this plumbing product have been reviewed and determined to comply with chapters SPS 382 through 384, Wisconsin Administrative Code, and Chapters 145 and 160, Wisconsin Statutes.

The Department hereby issues an approval based on the Wisconsin Statutes and the Wisconsin Administrative Code. This approval is valid until the end of May 2027.

This approval is contingent upon compliance with the following stipulation(s):

1. A copy of this approval letter shall be submitted with all plans using the Mound Component Manual for POWTS (Version 2.1), (May 2022-2027).

   Plans submitted without a copy of this approval letter may be denied.

2. This approval recognizes that POWTS systems designed, installed and maintained in accordance with this manual will provide treatment and dispersal of domestic wastewater that is acceptable in the context of ch. 383 Wis. Adm. Code.

3. Systems installed in accordance with this POWTS Component Manual shall use wastewater tanks approved by the department. If a given tank is approved and meets the published specifications contained in the manual, then redundant approval of the tank is not required. The installation shall not compromise the structural integrity of the tank.

4. Systems installed in accordance with this POWTS Component Manual shall be installed, maintained and used in strict accordance with the manufacturer's published instructions, Chapters 381-387 Wis. Adm. Code and this product approval. If there is a conflict between the manufacturer's instructions and the Wis. Adm. Code or this Plumbing Product Approval, then the Wis. Adm. Code and this Plumbing Product Approval shall take precedence.

5. Complete operation and maintenance instructions POWTS systems designed in accordance with this manual shall be provided to each system owner and remain onsite.

6. Systems designed in accordance with this manual shall be installed by persons holding the proper license or registration in accordance with Wis. Stats. § 145.

7. Drain, waste and vent piping used to install these systems shall conform to s. SPS 384.30 (1), (2) and (3) Wis. Adm. Code.

8. Cleanouts shall be installed in drain piping associated with the installation of these systems in accordance with s. SPS 382.35 Wis. Adm. Code.

9. Commercial food processing, food production, food service, restaurants, taverns and similar establishments which may generate greases, fats, oils or similar substances; shall have state-approved grease interceptors installed upstream of POWTS systems designed in accordance with this manual in accordance with s. SPS 382.34 Wis. Adm. Code.

10. DSPS POWTS plan approval shall be obtained from the department's Private Sewage Section, or the appropriate agent county, for:

    a. each installation of POWTS systems designed in accordance with this manual; and
    b. high-strength and/or commercial POWTS systems designed in accordance with this manual.

11. A sanitary permit shall be obtained, in accordance with s. SPS 383.21 Wis. Adm. Code, from the county, or other local authority having jurisdiction, for each proposed installation of systems designed in accordance with this manual.

12. A complete and acceptable soil evaluation report, conforming to s. SPS 385.40 Wis. Adm. Code, shall be performed for all proposed systems designed in accordance with this manual.

Technical notations:

    a. This approval supersedes the approval issued May 9, 2017 under product file no. 20170148.

he department is in no way endorsing this product or any advertising and is not responsible for any situation which may result from its use.

Sincerely,

Brad Johnson – Section Chief
Department of Safety and Professional Services
Bureau of Technical Services
Division of industry Services
Phone: 920 492-5605
Email:

Summary

Parcel Number	014-1013-2111-002
Property Address	N3620 COUNTY ROAD TT
Legal Description	THAT PT NE1/4 NE1/4 SEC 21 LYG S OF S LN OF CRAWFISH RIVER EX PARC A AS DESC IN DOC# 1263459 (Note: Not to be used on legal documents)
Sec-Twp-Rng	21-10N-13E
PLS/Tract	21-10N-13E NE NE
Acres	24.415
Municipality	TOWN OF ELBA
Class	COUNTY; (Note: This is not the zoning district)

PROPOSED MOUND DRAINFIELD

View Map

Owner

DODGE COUNTY
127 E OAK ST
JUNEAU, WI 53039

Valuation

Assessed Year	2024	2023	2022	2021	2020
Land Value	$0.00	$0.00	$0.00	$0.00	$0.00
Building Value	$0.00	$0.00	$0.00	$0.00	$0.00
Total Value	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**
Estimated Fair MarketValue	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**

Tax History

Tax Year	2024	2023	2022	2021	2020
Net Tax	$0.00	$0.00	$0.00	$0.00	$0.00
Special Charges	$0.00	$0.00	$0.00	$0.00	$0.00
Delinquent Utility	$0.00	$0.00	$0.00	$0.00	$0.00
Private Forest Crop	$0.00	$0.00	$0.00	$0.00	$0.00
Woodland Tax Law	$0.00	$0.00	$0.00	$0.00	$0.00
Managed Forest Land	$0.00	$0.00	$0.00	$0.00	$0.00
Other Charges	$0.00	$0.00	$0.00	$0.00	$0.00
TOTAL	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**

Summary

Parcel Number	014-1013-2222-001
Property Address	
Legal Description	PT W1/2 NW1/4 SEC 22 LYG WLY OF CEN OF CRAWFISH RIVER (Note: Not to be used on legal documents)
Sec-Twp-Rng	22-10N-13E
PLS/Tract	22-10N-13E NW NW
Acres	13.95
Municipality	TOWN OF ELBA
Class	COUNTY; (Note: This is not the zoning district)

PROPOSED BATH HOUSE

View Map

Owner

DODGE COUNTY
127 E OAK ST
JUNEAU, WI 53039

Valuation

Assessed Year	2024	2023	2022	2021	2020
Land Value	$0.00	$0.00	$0.00	$0.00	$0.00
Building Value	$0.00	$0.00	$0.00	$0.00	$0.00
Total Value	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**
Estimated Fair MarketValue	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**

Tax History

Tax Year	2024	2023	2022	2021	2020
Net Tax	$0.00	$0.00	$0.00	$0.00	$0.00
Special Charges	$0.00	$0.00	$0.00	$0.00	$0.00
Delinquent Utility	$0.00	$0.00	$0.00	$0.00	$0.00
Private Forest Crop	$0.00	$0.00	$0.00	$0.00	$0.00
Woodland Tax Law	$0.00	$0.00	$0.00	$0.00	$0.00
Managed Forest Land	$0.00	$0.00	$0.00	$0.00	$0.00
Other Charges	$0.00	$0.00	$0.00	$0.00	$0.00
TOTAL	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**

Tax Payments

Year	Amount	Interest/Penalty Paid	Paid	Last Paid
2024	$0.00	0	$0.00	

Wisconsin Department of Commerce
Division of Safety and Buildings

SOIL EVALUATION REPORT

in accordance with Comm 85, Wis. Adm. Code

Attach complete site plan on paper not less than 8 1/2 x 11 inches in size. Plan must include, but not limited to: vertical and horizontal reference point (BM), direction and percent slope, scale or dimensions, north arrow, and location and distance to nearest road.

Please print all information.

Personal information you provide may be used for secondary purposes (Privacy Law, s. 15.04 (1) (m)).

County: Dodge
Parcel I.D.: 014-1013-2111-002
Reviewed by: [signature] Date: 9-6-24

Property Owner: Dodge County
Property Owner's Mailing Address: 127 E. Oak St.
City: Juneau State: WI Zip Code: 53039 Phone Number: ( )

Property Location
Govt. Lot: NE 1/4 NE 1/4 S 21 T 10 N R 13 (E) or W
Lot #: Block #: Subd. Name or CSM#:
☐ City ☐ Village ■ Town Nearest Road: Elba

■ New Construction ☐ Replacement
Use: ☐ Residential / Number of bedrooms _____ ■ Public or commercial - Describe: County Park/Campground - 30 New Sites
Code derived design flow rate: 1350 GPD
Parent material: _____ Flood Plain elevation if applicable: _____ ft.

General comments and recommendations: This site is suitable for a mound system.
Per SPS 383, Table 383.43 Campground Space - Service building 30gpd x 30 sites = 900 gpd
900 gpd x 1.5 = 1350 gpd minimum

1 Boring # ☐ Boring ■ Pit Ground surface elev. 91.7 ft. Depth to limiting factor 39 in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate GPD/ft² *Eff#1	*Eff#2
1	0-8	10yr 3/2	—	l	2fsbk	mvfr	gs	2m	.6	.8
2	8-17	10yr 3/4	—	l	2mabk	mfr	cs	2f	.6	.8
3	17-23	10yr 4/6	—	sl	2fsbk	mfr	cs	1f	.6	1.0
4	23-30	10yr 4/2	—	cl	2fabk	mfr	cs	1f	.4	.6
5	30-39	10yr 4/4	—	scl	2msbk	mfr	gs	lvf	.4	.6
6	39-52	7.5yr 4/4	f1f 7.5yr 5/8	sl	1fsbk	mfr	—	lvf	.4	.7

2 Boring # ☐ Boring ■ Pit Ground surface elev. 92.8 ft. Depth to limiting factor 26 in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate GPD/ft² *Eff#1	*Eff#2
1	0-6	10yr 3/2	—	sil	2fsbk	mvfr	cs	2m	.6	.8
2	6-12	10yr 3/6	—	sicl	2msbk	mfr	cs	2f	.4	.6
3	12-26	10yr 4/4	—	cl	2mabk	mfr	cs	1f	.4	.6
4	26-41	10yr 3/6	f1f 7.5yr 5/9	scl	3mabk	mfr	gs	1f	.4	.6
5	41-50	7.5yr 4/4	f1f 7.5yr 5/9	scl	1msbk	mfr	gd	lvf	.2	.3
6	50-60	10yr 4/6	f1f 7.5yr 5/8	sl	1fsbk	mfr	—	—	.4	.7

* Effluent #1 = BOD_5 > 30 ≤ 220 mg/L and TSS >30 ≤ 150 mg/L
* Effluent #2 = BOD_5 ≤ 30 mg/L and TSS ≤ 30 mg/L

CST Name (Please Print): ~~JANIS M. BRANDENBURG~~ JF Trucking + Trenching LLC
Signature: Janis M. Brandenburg
CST Number: 252721
Address: W5674 Hwy 60 Juneau WI 53039
Date Evaluation Conducted: 4-30-2024
Telephone Number: (920)696-3496

ACTIVITY #: 240679

RECEIVED: 8-27-24 **RECEIPT #:** 10163 0007

Property Owner Dodge County Parcel ID # 014-1013-2111-002 Page 2 of 4

3 Boring # ☐ Boring ■ Pit Ground surface elev. 96.0 ft. Depth to limiting factor 25 in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate GPD/ft² *Eff#1	*Eff#2
1	0-6	10yr 3/2	—	l	2fgr	mvfr	as	2f	.6	.8
2	6-17	10yr 4/6	—	l	2msbk	mfr	cs	1f	.6	.8
3	17-25	10yr 5/4	—	sl	2mabk	mfr	cs	1vf	.6	1.0
4	25-43	10yr 5/3	f1f 7.5yr 5/8	fsl	2mabk	mfr	—	1vf	.4	.8

4 Boring # ☐ Boring ■ Pit Ground surface elev. 94.8 ft. Depth to limiting factor 28 in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate GPD/ft² *Eff#1	*Eff#2
1	0-5	10yr 3/2	—	l	2fgr	mvfr	as	2m	.6	.8
2	5-28	10yr 5/4	—	sl	2fabk	mfr	gs	2m-2f	.6	1.0
3	28-48	10yr 6/4	f1f 7.5yr 5/8	sl	1platy	mfi	—	Roots to 39"	.4	.6

5 Boring # ☐ Boring ■ Pit Ground surface elev. 93.4 ft. Depth to limiting factor 24 in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate GPD/ft² *Eff#1	*Eff#2
1	0-7	10yr 3/2	—	l	2fgr	mfr	cs	2f	.6	.8
2	7-13	10yr 3/6	—	cl	2fabk	mfr	cs	1f	.4	.6
3	13-24	10yr 4/4	—	cl	3mabk	mfr	gs	1f	.4	.6
4	24-36	7.5yr 4/4	f1f 7.5yr 5/8	scl	2fsbk	mfr	gs	1vf	.4	.6
5	36-44	10yr 4/4	—	scl	1fsbk	mfr	cs	—	.2	.3
6	44-54	10yr 5/4	f1f 7.5yr 5/8	sl	1platy	mfr	—	—	.4	.6

* Effluent #1 = BOD_5 > 30 ≤ 220 mg/L and TSS >30 ≤ 150 mg/L * Effluent #2 = BOD_5 ≤ 30 mg/L and TSS ≤ 30 mg/L

Property Owner Dodge County Parcel ID # 014-1013-2111-002 Page 3 of 4

6 Boring # ☐ Boring ■ Pit Ground surface elev. 92.8 ft. Depth to limiting factor 27 in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate GPD/ft² *Eff#1	*Eff#2
1	0-7	10yr 3/2	—	sil	2fsbk	mfr	gs	2f	.6	.8
2	7-18	10yr 3/6	—	sicl	2fabk	mfr	cs	1f	.4	.6
3	18-27	10yr 4/4	—	scl	2mabk	mfr	cs	1vf	.4	.6
4	27-40	10yr 4/6	f-f 7.5yr 5/4	sl	1fsbk	mfr	—	1vf	.4	.7

☐ Boring # ☐ Boring ☐ Pit Ground surface elev. _____ ft. Depth to limiting factor _____ in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate GPD/ft² *Eff#1	*Eff#2

☐ Boring # ☐ Boring ☐ Pit Ground surface elev. _____ ft. Depth to limiting factor _____ in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate GPD/ft² *Eff#1	*Eff#2

* Effluent #1 = BOD_5 > 30 ≤ 220 mg/L and TSS >30 ≤ 150 mg/L

* Effluent #2 = BOD_5 ≤ 30 mg/L and TSS ≤ 30 mg/L

Astico Park

Owner: Dodge County

NE 1/4 NE 1/4 S 21 T 10 N R 13 E

Town of Elba, Dodge Co. WI