



**NOTICE OF PUBLIC MEETING
SUDBURY CONSERVATION COMMISSION
Virtual Meeting 6:45 PM**

The Sudbury Conservation Commission will hold a public meeting to review the Request for Determination of Applicability filing under the Wetlands Protection Act and the Sudbury Wetland Administration Bylaw to replace an existing soil absorption system, within the 100-foot Buffer Zone at 130 Horse Pond Road, in Sudbury, MA. Alba Ehrlich, applicant. The meeting will be held on Monday, March 14, 2022 at 6:45 pm, via Zoom.

Copies of the application may be reviewed on the Conservation Department web page at:

<https://sudbury.ma.us/conservationcommission/meeting/conservation-commission-meeting-monday-march-14-2022>

Please contact the Conservation Office with any questions at 978-440-5470.

SUDBURY CONSERVATION COMMISSION
March 1, 2022

Request for Determination of Applicability

Narrative

Alba Ehrlich

130 Horse Pond Road Sudbury

Map J06 Parcel 0017

The project consists of the replacement of an existing failed Soil Absorption System (SAS).

The subject parcel is located at 130 Horse Pond Road and consists of a four (4) bedroom single family dwelling with a land area of approximately 40,015 s.f. The parcel abuts Bordering Vegetated Wetland (BVW) in the rear of the property. The project is located in the buffer zone of the BVW .

The project consists of replacing the existing failed SAS in the rear of the dwelling with a new title 5 compliant system. There is no proposed increase in design flow. The new SAS consists of a new 1500 gallon septic tank, 1,000 gallon pump chamber, and new leaching field. All of the proposed work is located within the buffer zone.

The work will require access down the driveway from Horse Pond Road and across the back yard to the location of the soil pipe exits the building. The driveway is paved and will serve as construction access to prevent tracking of dirt to the street. The erosion control barrier (straw wattles) are proposed between the work area and the resource area to ensure protection of the resource area. Stockpiling shall be on the westerly side of the proposed work area and isolated from the resource area by the proposed straw wattles.

There is no change in impervious area or lawn area proposed.

The site is limited due to the existing pool, the resource areas, the underground utilities and the paved driveway. The existing septic tank and leaching field are located in the rear of the property and between the house and pool.

As an alternative, the front yard area was investigated as a possible alternative location for the SAS. This area would require relocating existing underground water and gas utilities. There also is a potential resource area on the northerly side of the drive.

The closest point to the resource area shall be the installation of the leaching field. The leaching field will be approximately 52 feet from the resource area.

Soil evaluation was performed on site with a seasonal high water table established at 36 inches and a 3 mpi perc rate based upon soils.

No work shall commence onsite until all erosion control barriers have been installed and inspected by the Conservation Commission.



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

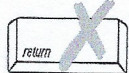
WPA Form 1- Request for Determination of Applicability

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

SUDBURY
City/Town

A. General Information

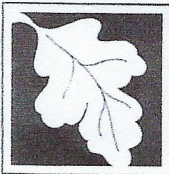
Important:
When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



1. Applicant:
- Name ALBA EHRUCH E-Mail Address Albaehrlich@gmail.com
- Mailing Address 130 HORSE POND ROAD
- City/Town SUDBURY State MA Zip Code 01776
- Phone Number 978 375 5729 Fax Number (if applicable) _____
2. Representative (if any):
- Firm M.J. DiMODICA Exc.
- Contact Name MIKE DiMODICA E-Mail Address mjdmodica@verizon.net
- Mailing Address 19 CHRISTOPHER LN
- City/Town SUDBURY State MA Zip Code 01776
- Phone Number 978 443 8433 Fax Number (if applicable) _____

B. Determinations

1. I request the SUDBURY Conservation Commission make the following determination(s). Check any that apply:
- ☐ a. whether the **area** depicted on plan(s) and/or map(s) referenced below is an area subject to jurisdiction of the Wetlands Protection Act.
- ☐ b. whether the **boundaries** of resource area(s) depicted on plan(s) and/or map(s) referenced below are accurately delineated.
- ☒ c. whether the **work** depicted on plan(s) referenced below is subject to the Wetlands Protection Act.
- ☒ d. whether the area and/or work depicted on plan(s) referenced below is subject to the jurisdiction of any **municipal wetlands ordinance** or **bylaw** of:
- Name of Municipality _____
- ☐ e. whether the following **scope of alternatives** is adequate for work in the Riverfront Area as depicted on referenced plan(s).



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Sudbury
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C. Project Description

1. a. Project Location (use maps and plans to identify the location of the area subject to this request):

130 HORSE POND RD

Street Address

SUDBURY

City/Town

J-06

Assessors Map/Plat Number

0017

Parcel/Lot Number

- b. Area Description (use additional paper, if necessary):

SINGLE FAMILY RESIDENTIAL LOT IMPROVED WITH
AN EXISTING FOUR (4) BEDROOM DWELLING.

3. a. If this application is a Request for Determination of Scope of Alternatives for work in the Riverfront Area, indicate the one classification below that best describes the project.

☐ Single family house on a lot recorded on or before 8/1/86

☐ Single family house on a lot recorded after 8/1/86

- c. Plan and/or Map Reference(s):

SUBSURFACE SEWAGE DISPOSAL SYSTEM

Title

2/28/22

Date

Title

Date

Title

Date

2. a. Work Description (use additional paper and/or provide plan(s) of work, if necessary):

REPLACE AN EXISTING FAILED SOIL ABSORPTION SYSTEM
IN THE REAR OF THE DWELLING.

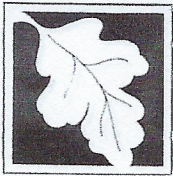
SEE NARRATIVE

☐ Municipal project

☐ District, county, state, or federal government project

☐ Project required to evaluate off-site alternatives in more than one municipality in an Environmental Impact Report under MGLA or in an alternative analysis pursuant to an application for a 404 permit from the U.S. Army Corps of Engineers or 401 Water Quality Certification from the Department of Environmental Protection.

b. Provide evidence (e.g., record of date submission to wetland recorder) supporting the classification above (use additional paper and/or attach appropriate documents, if necessary).



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City/Town

C. Project Description (cont.)

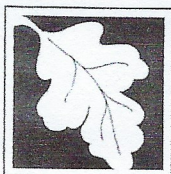
- b. Identify provisions of the Wetlands Protection Act or regulations which may exempt the applicant from having to file a Notice of Intent for all or part of the described work (use additional paper, if necessary).

N/A

3. a. If this application is a Request for Determination of Scope of Alternatives for work in the Riverfront Area, indicate the one classification below that best describes the project.

- ☐ Single family house on a lot recorded on or before 8/1/96
- ☐ Single family house on a lot recorded after 8/1/96
- ☐ Expansion of an existing structure on a lot recorded after 8/1/96
- ☐ Project, other than a single-family house or public project, where the applicant owned the lot before 8/7/96
- ☐ New agriculture or aquaculture project
- ☐ Public project where funds were appropriated prior to 8/7/96
- ☐ Project on a lot shown on an approved, definitive subdivision plan where there is a recorded deed restriction limiting total alteration of the Riverfront Area for the entire subdivision
- ☐ Residential subdivision; institutional, industrial, or commercial project
- ☐ Municipal project
- ☐ District, county, state, or federal government project
- ☐ Project required to evaluate off-site alternatives in more than one municipality in an Environmental Impact Report under MEPA or in an alternatives analysis pursuant to an application for a 404 permit from the U.S. Army Corps of Engineers or 401 Water Quality Certification from the Department of Environmental Protection.

- b. Provide evidence (e.g., record of date subdivision lot was recorded) supporting the classification above (use additional paper and/or attach appropriate documents, if necessary.)



Massachusetts Department of Environmental Protection
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SJDBury
City/Town

WPA Form 1- Request for Determination of Applicability

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D. Signatures and Submittal Requirements

I hereby certify under the penalties of perjury that the foregoing Request for Determination of Applicability and accompanying plans, documents, and supporting data are true and complete to the best of my knowledge.

I further certify that the property owner, if different from the applicant, and the appropriate DEP Regional Office were sent a complete copy of this Request (including all appropriate documentation) simultaneously with the submittal of this Request to the Conservation Commission.

Failure by the applicant to send copies in a timely manner may result in dismissal of the Request for Determination of Applicability.

Name and address of the property owner:

ALBA EHRUCH

Name

130 HORSE POND RD

Mailing Address

SJDBURY

City/Town

MA

State

01776

Zip Code

Signatures:

I also understand that notification of this Request will be placed in a local newspaper at my expense in accordance with Section 10.05(3)(b)(1) of the Wetlands Protection Act regulations.

ALBA EHRUCH /msd

Signature of Applicant

2/28/22

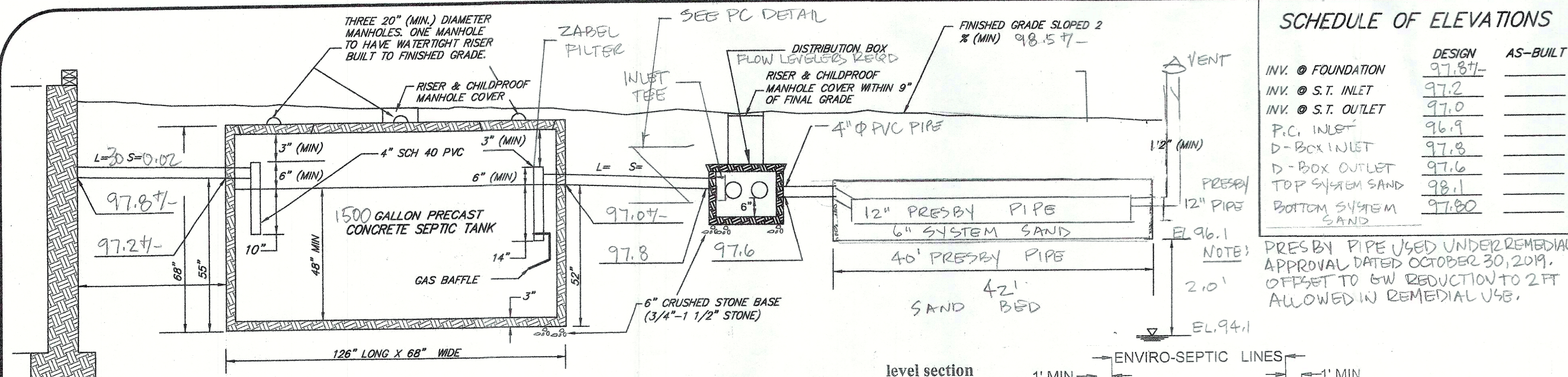
Date

[Signature]

Signature of Representative (if any)

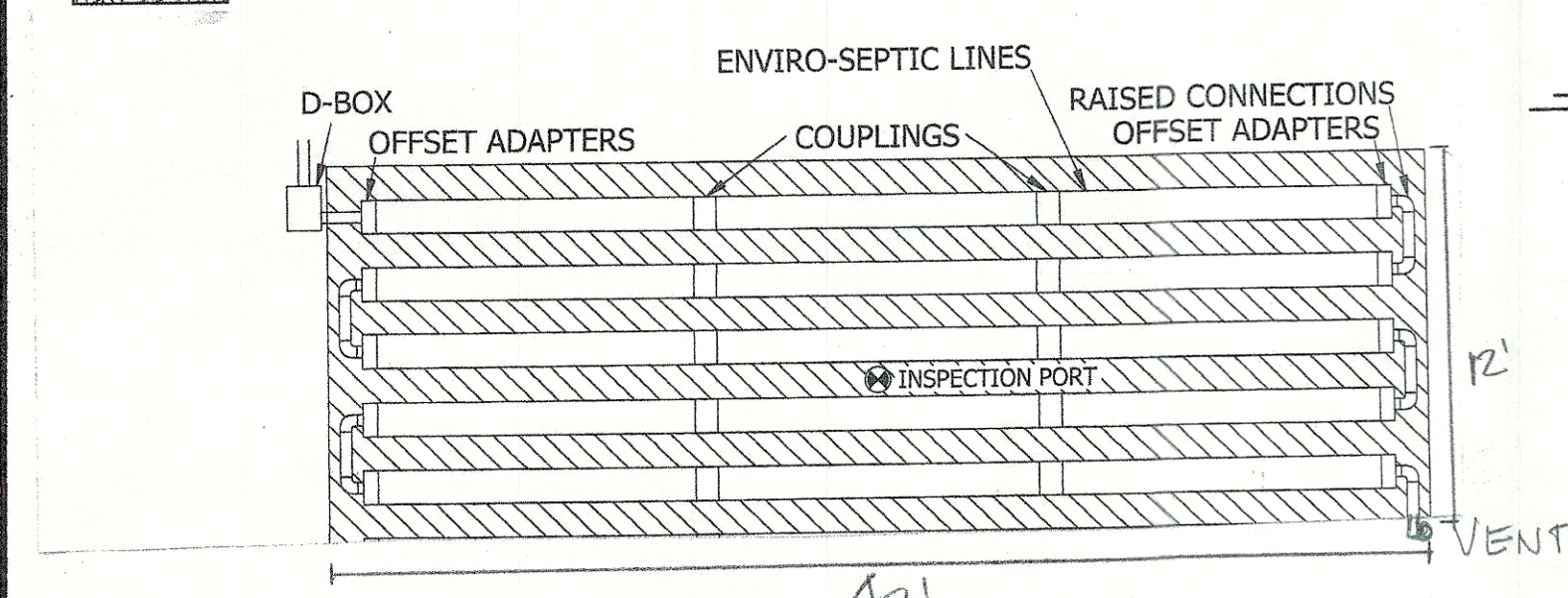
2/28/22

Date

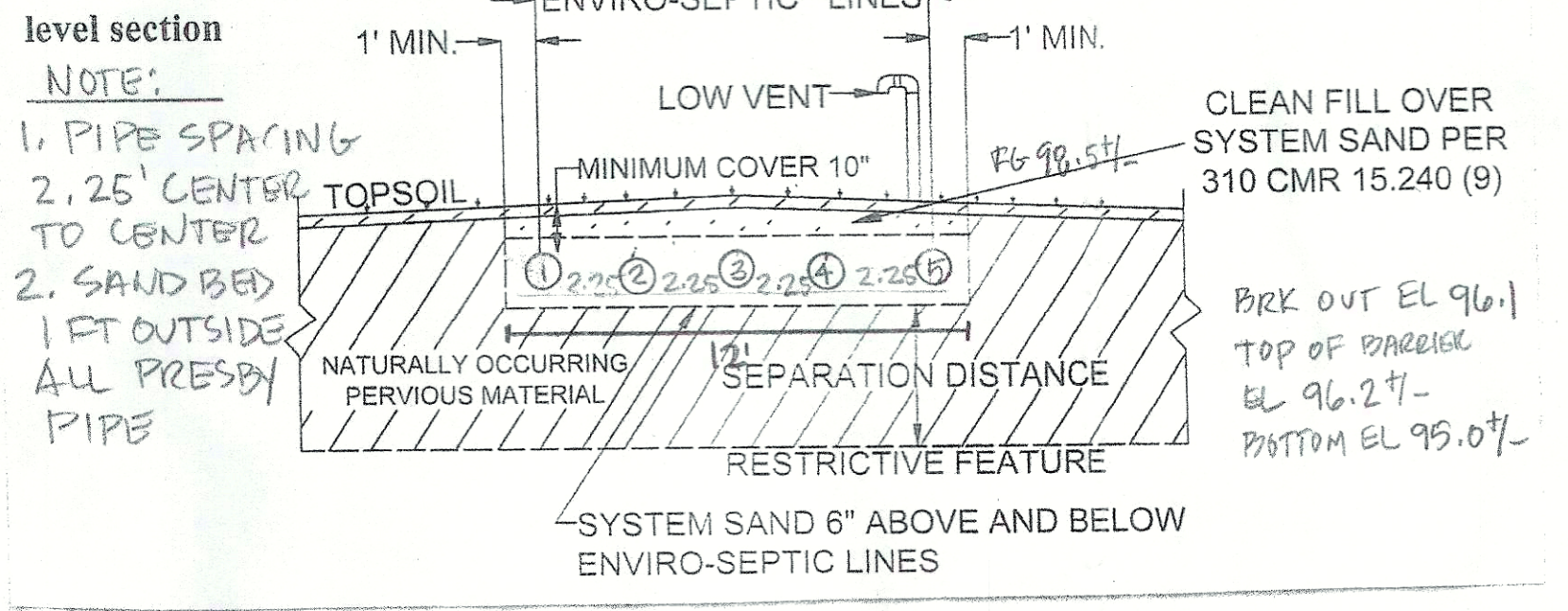


SCHEDULE OF ELEVATIONS

| | DESIGN | AS-BUILT |
|--------------------|--------|----------|
| INV. @ FOUNDATION | 97.87' | |
| INV. @ S.T. INLET | 97.2 | |
| INV. @ S.T. OUTLET | 97.0 | |
| P.C. INLET | 96.9 | |
| D-BOX INLET | 97.8 | |
| D-BOX OUTLET | 97.6 | |
| TOP SYSTEM SAND | 98.1 | |
| BOTTOM SYSTEM SAND | 97.80 | |

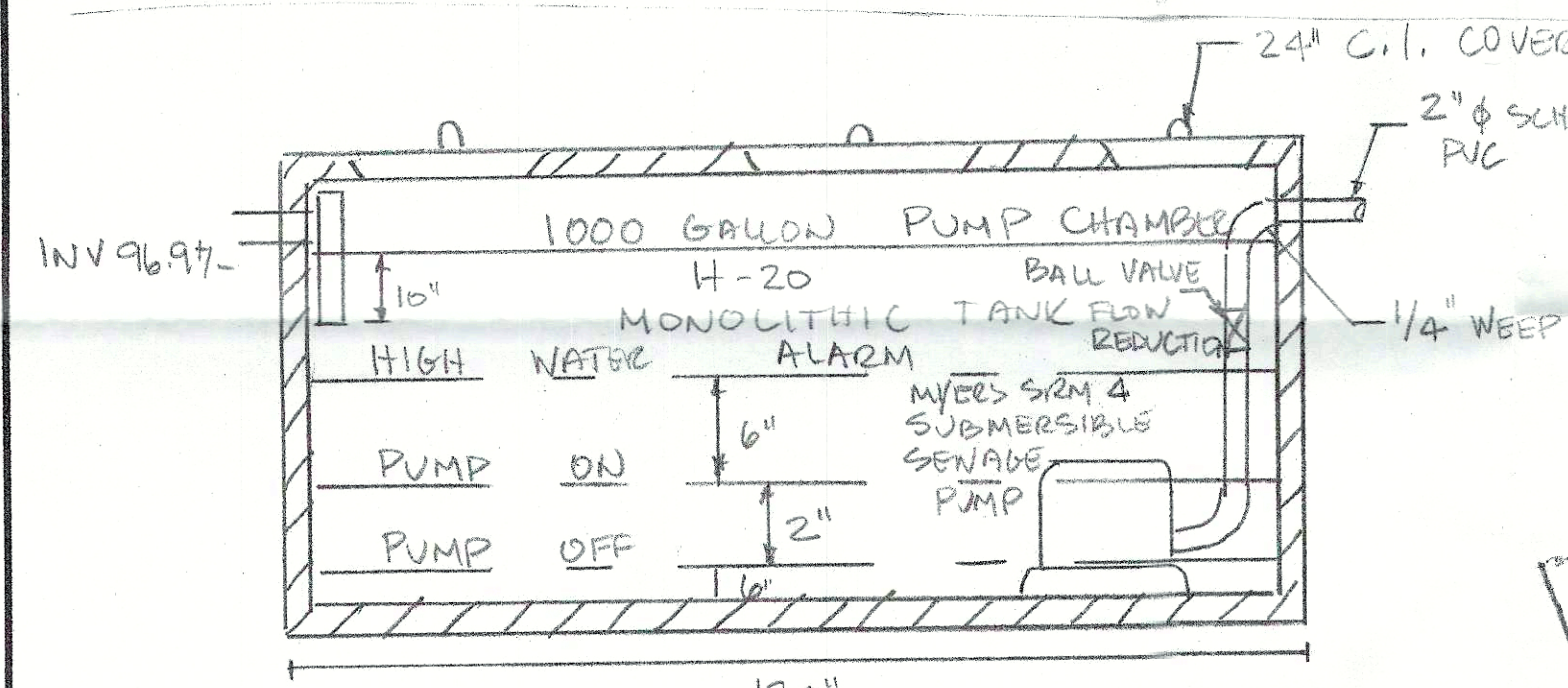


PROFILE
NOT TO SCALE



VARIANCE:

1. 15.405 (1) (b), OFFSET OF LEACH FIELD TO INGROUND POOL FROM 20 FT TO 10 FT.



PUMP DESIGN:

1. VOLUME: 504 S.F. x 1/2 FT = 42 CF ⇒ 315 GAL
2. HEAD = 97.8 - 92.9 = 4.9 FT
13 FT 2" SCH 40 PVC + EQ. LEN (12) + (2)(5.7) + 2.8 = 26.2 + 13 = 39 FT
3. PUMP DOSE: 315 ÷ 6 DOSES/DAY = 53 GAL/DOSE
4. PUMP RUN TIME: 2 MIN @ 25 GPM WITH VALVE

PUMP NOTES

1. PUMP AND ALARM SHALL BE ON SEPARATE CIRCUITS.
2. 1/4" DRILL HOLE SHALL BE PROVIDED IN FORCE MAIN FOR DRAIN.
3. FORCE MAIN SHALL BE INSTALLED TO PROVIDE POSITIVE DRAINAGE TO PUMP CHAMBER.
4. PUMP SHALL BE EQUIPPED WITH MERCURY FLOAT SWITCHES ON/OFF & HIGH WATER SIGNAL, AUDIO & VISUAL SIGNAL SHALL BE REQUIRED.
5. PUMP CHAMBER & SEPTIC TANK SHALL BE WATER TIGHT AND SET ON 6" STONE BASE.

