

Repair Basics



Danna Revis, MAOSE, MOSSO



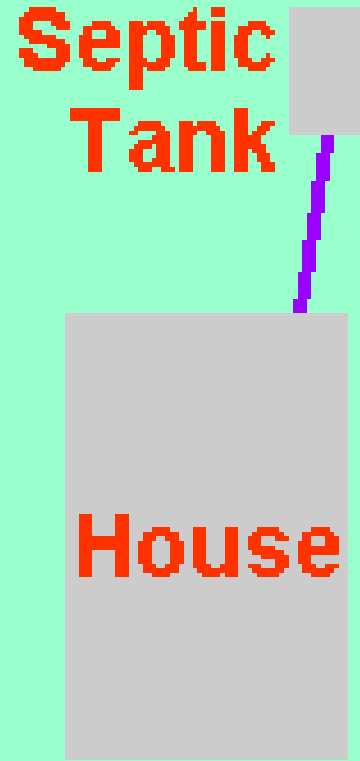
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The opinions expressed in this presentation are my own opinions and do not represent the opinions of VOWRA or NOWRA.

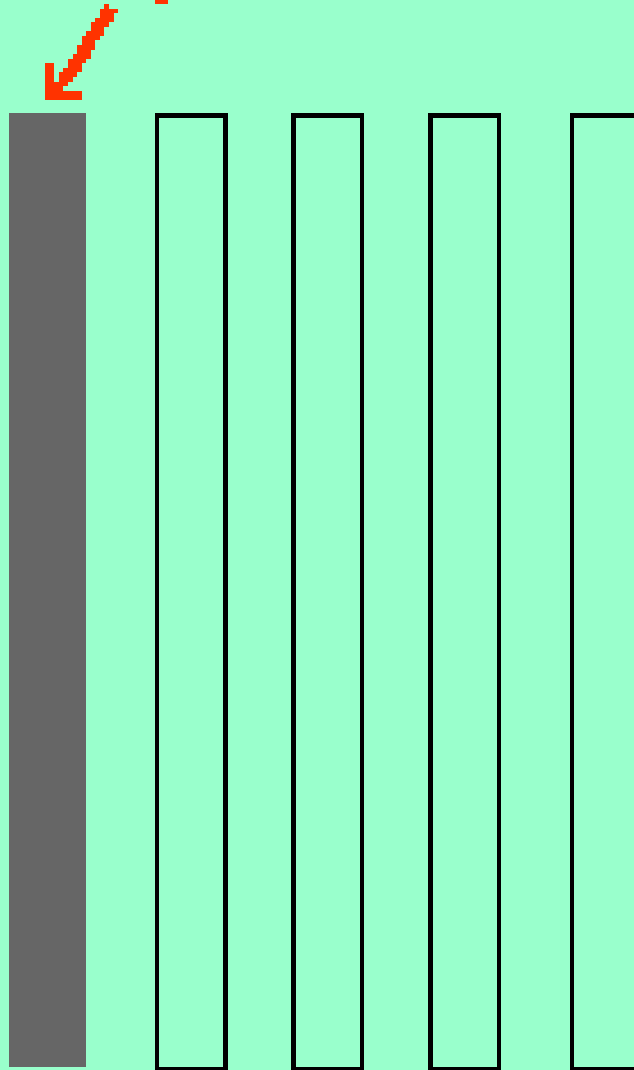
Identifying the problem

Non-fatal problems

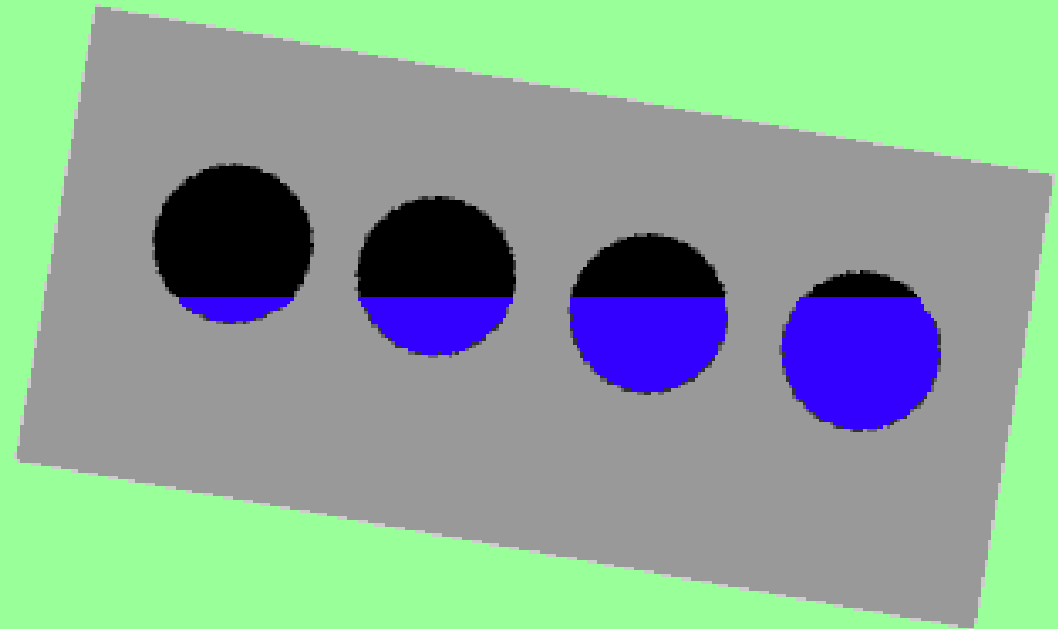
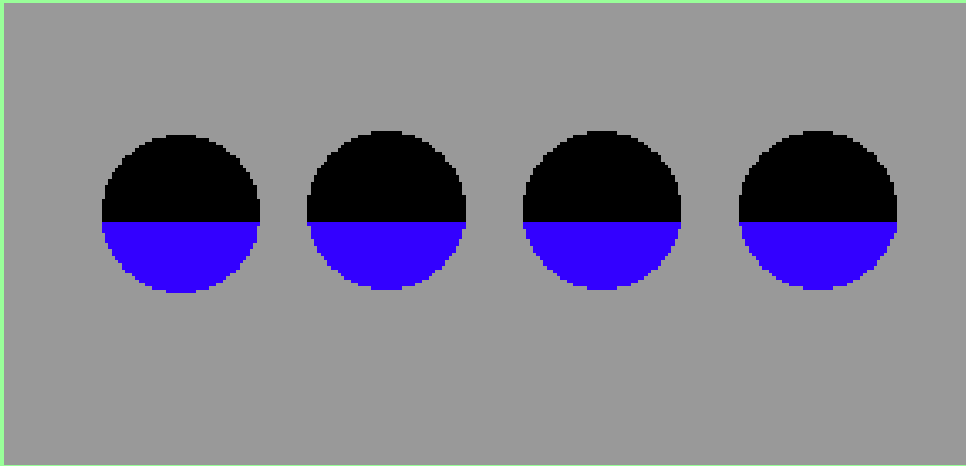
Single line malfunctions



One Soggy
Absorption Trench



Distribution Boxes -
out of level



Roots



Roots in the d-box









Roots in pipes



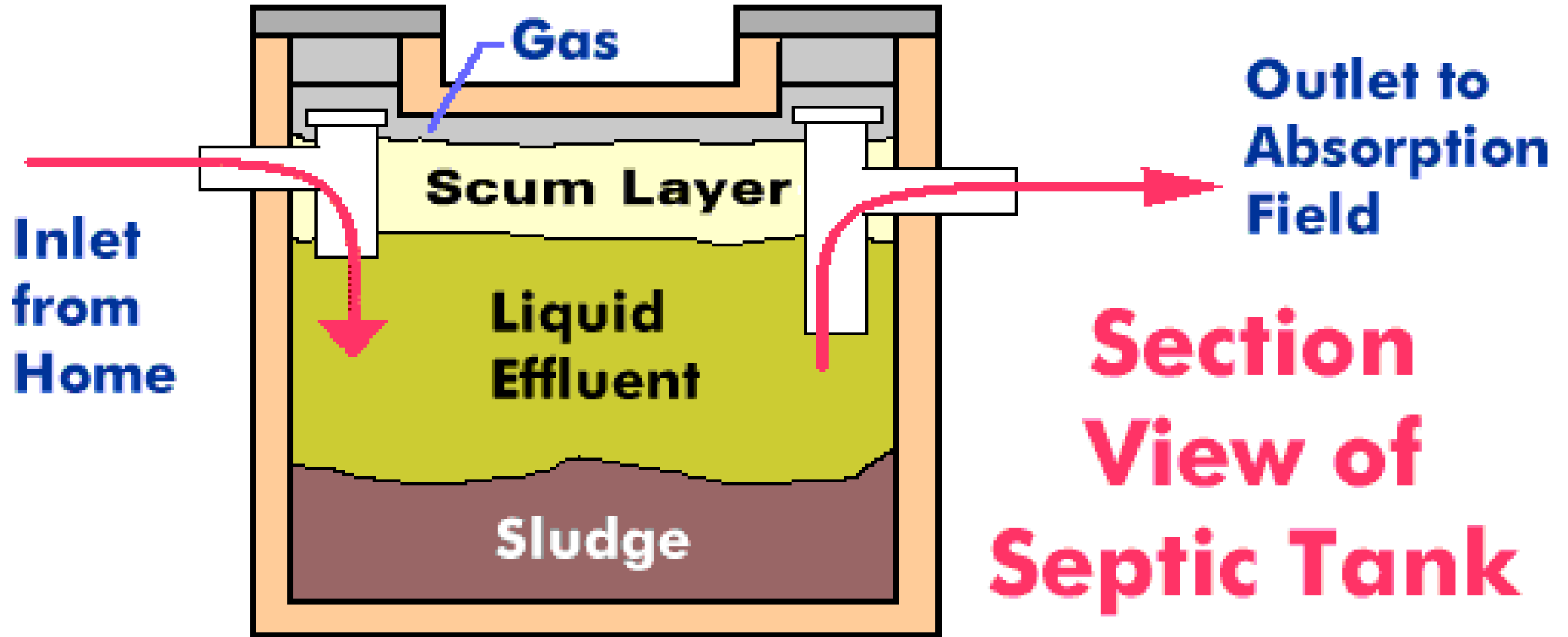


Other Problems

- Pipes clogged
 - Pipes cut or crushed
 - Laundry waste discharges
 - Straight pipes
-
- Unexpected problems.....

Famous last words:

“I’ve never had my septic tank pumped - never had to....”



13 years without pumping!





Fatal Problems











July 23, 2021

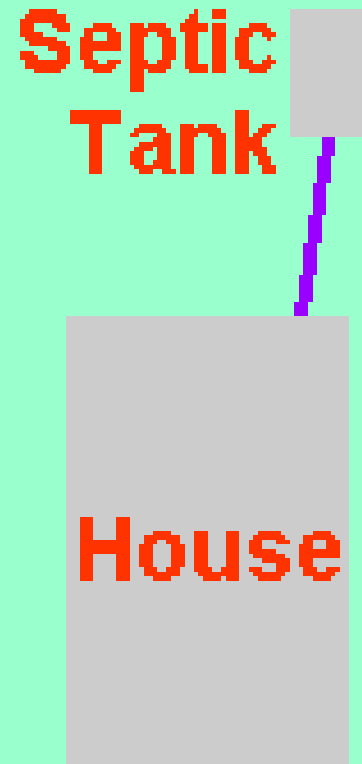
Murky liquid with sanitary products floating in the smelly pool



View of the back of the trailer

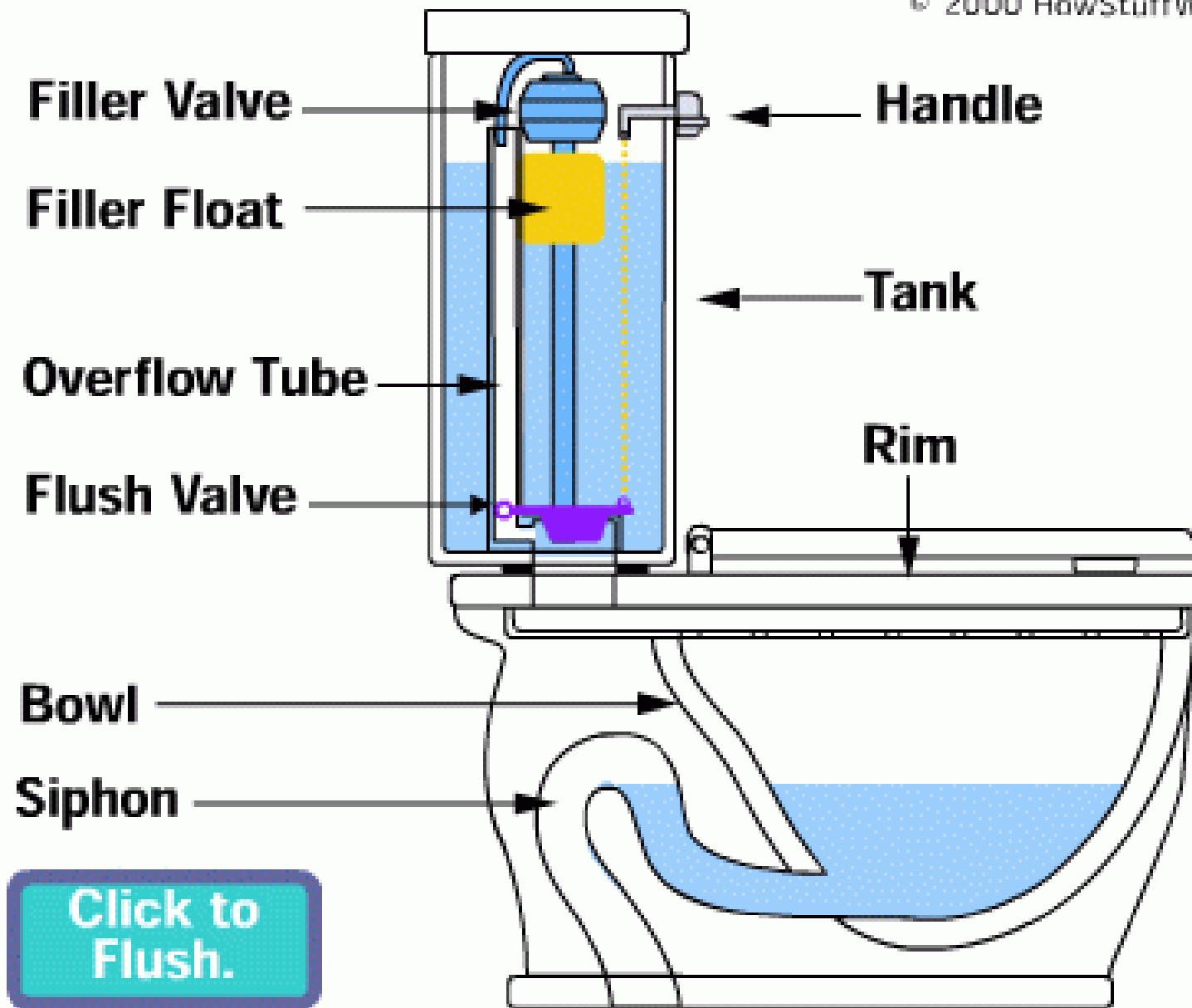


Hydraulically overloaded



Too much water

- Leaky toilets
- Too many people
- Water treatment backwash - not included in drainfield design flows
- Sump pumps and footer drains
- Condensate drains
- Infiltration at tank



How a Toilet Works

Non-toxic: Harmless if swallowed.
KEEP OUT OF REACH OF CHILDREN.

TOILET DYE

OPEN BAG, DROP DYE
INTO TOILET TANK.
WAIT 20 MINUTES. IF DYE
APPEARS IN TOILET
BOWL - YOUR TOILET
IS LEAKING. FLUSH
TOILET TO REMOVE DYE.

NORLAB INC.
P.O. BOX 380
AMHERST, OH 44001
USA Phone 440-282-5265
www.norlabdyes.com
FAX 440-282-5498







Aging Drainfields







Aging Drainfield



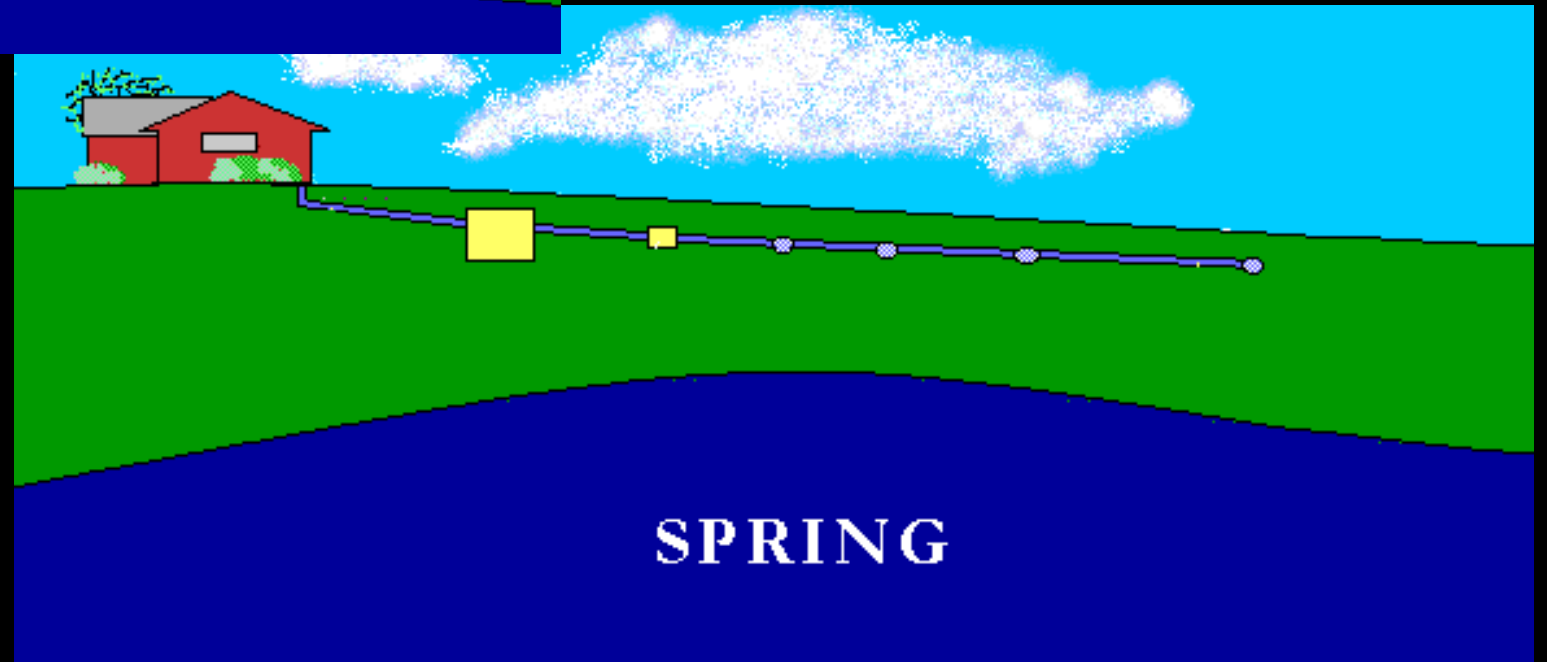
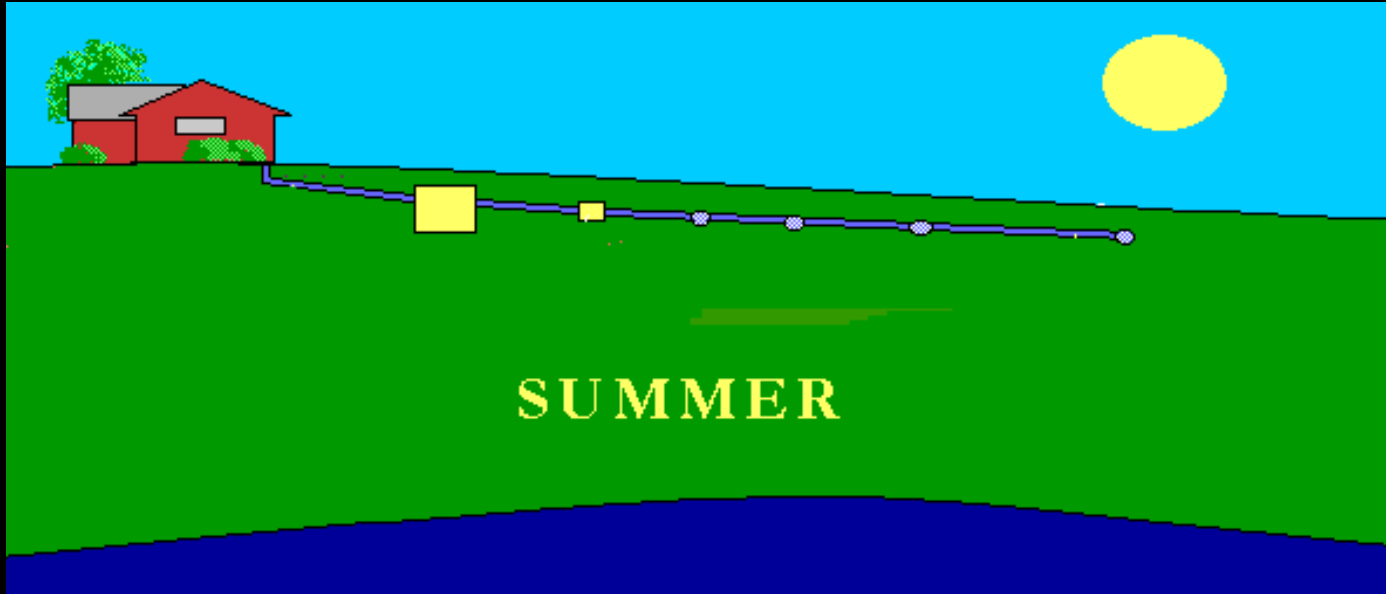
Roots in Gravel



OLD DRAINFIELD



Seasonal High Water Table



Maintenance Problems



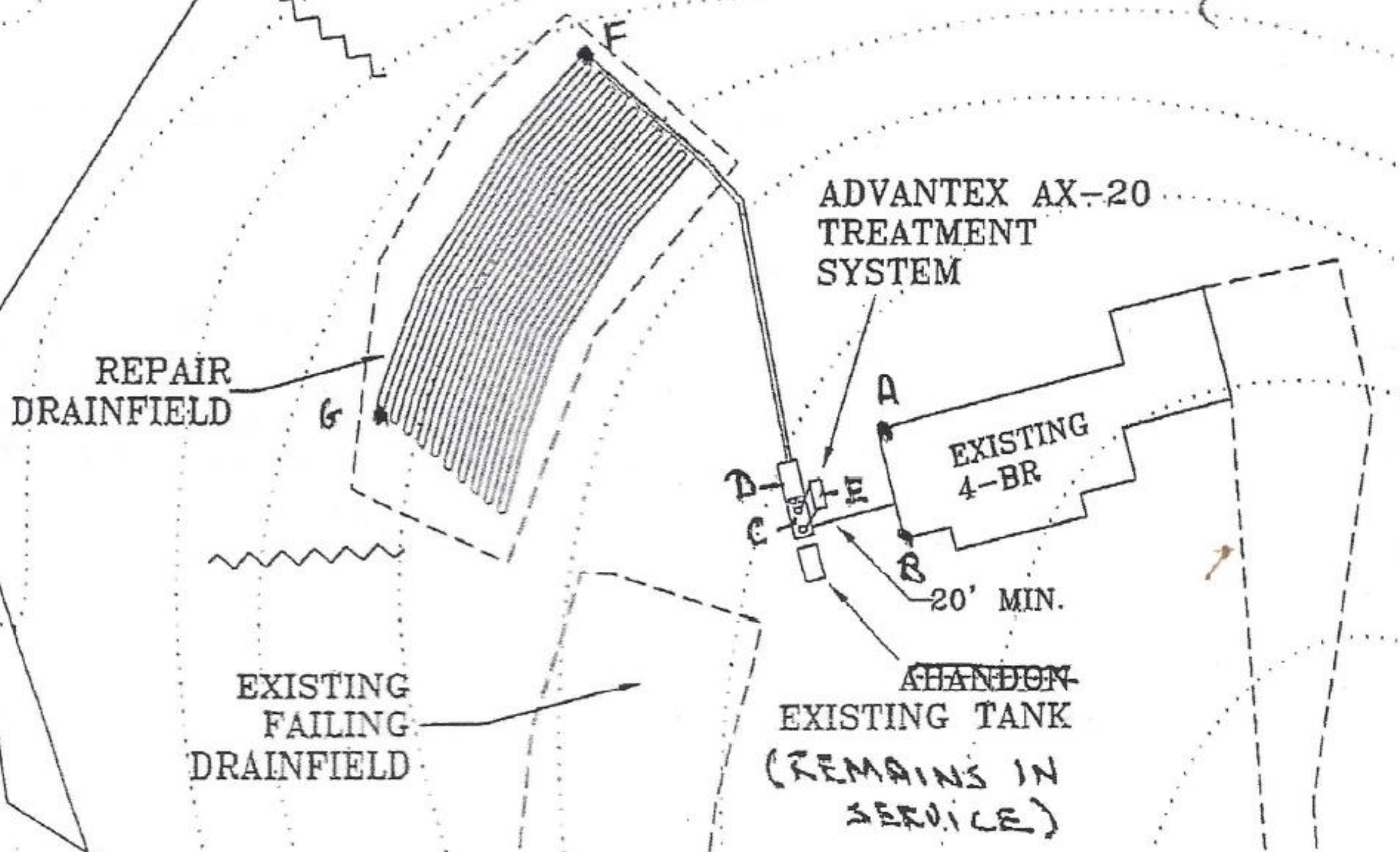


Natural Corn Dog eh? (funny video)



▶ ⏪ 🔊 0:00 / 0:09





ADVANTEK AX-20
TREATMENT
SYSTEM

REPAIR
DRAINFIELD

EXISTING
FAILING
DRAINFIELD

EXISTING
4-BR

~~ABANDON~~
EXISTING TANK
(REMAINS IN
SERVICE)

20' MIN.

G

F

A

D

C

E

B











Solutions



CHECKING THE D-BOX

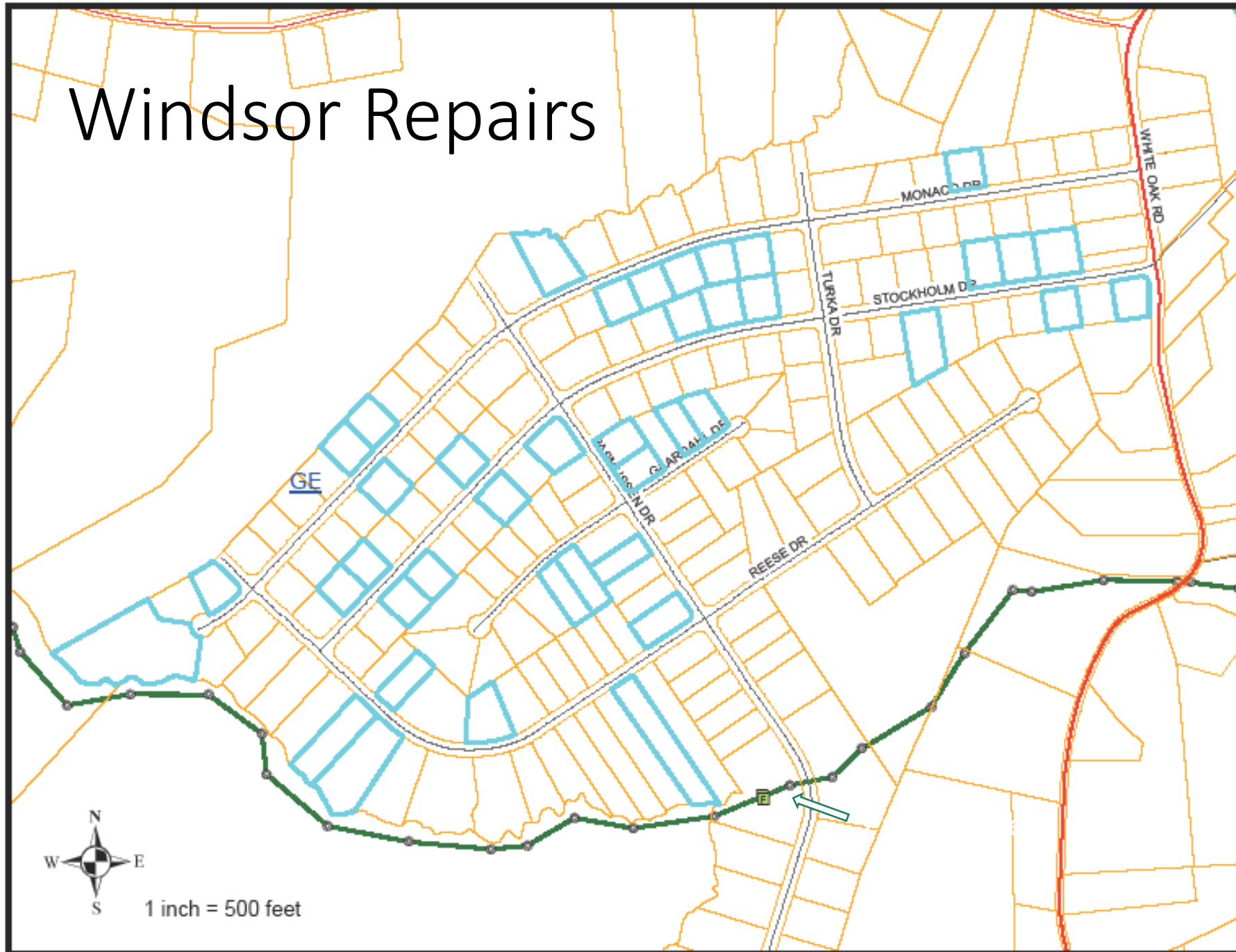






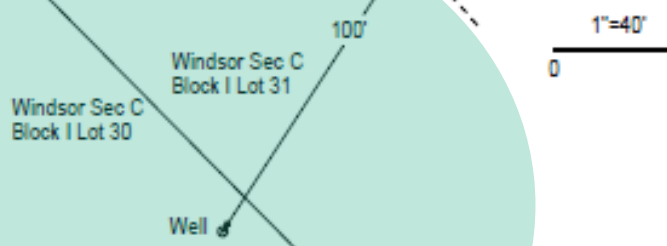
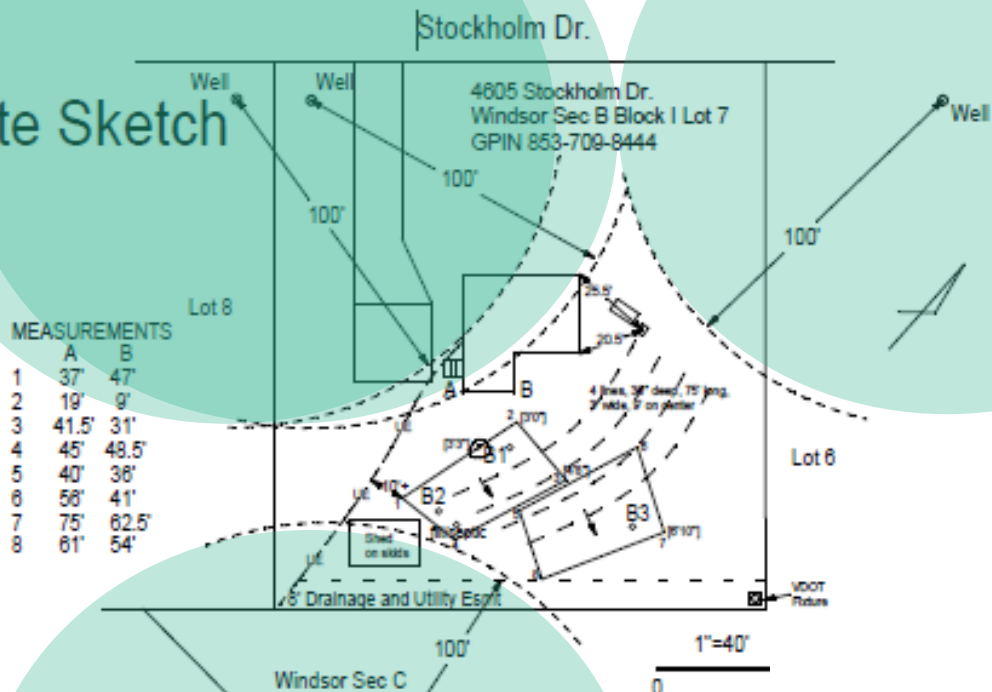


Windsor Repairs

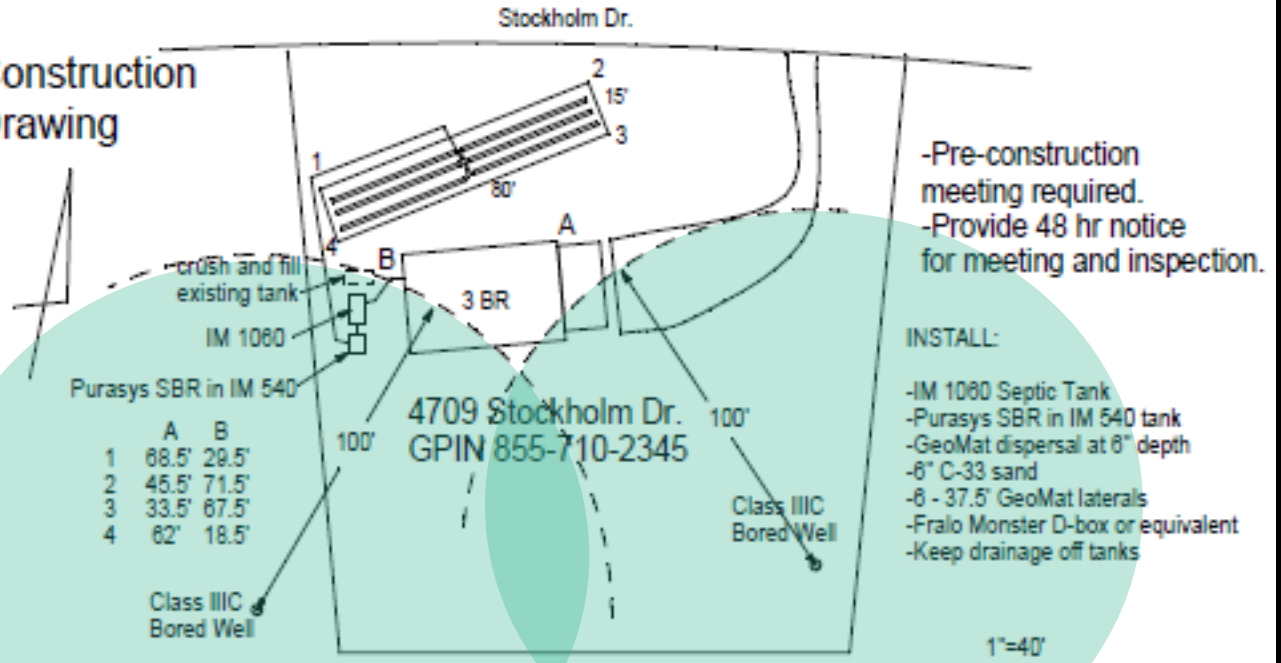


Small Lots, Well Conflicts

Site Sketch



Construction Drawing





Septic Gravity

Septic Pressure

TL2

TL3











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