

10/21/03 - 2:30 pm

PUB. SEWER STATUS VERIFIED BY

NA

ISSUE DATE: 10/1/2003

PERMIT

P 519596

APPROVAL DATE: 10/21/03

A REPAIR

ON-SITE SEWAGE DISPOSAL SYSTEM HOWARD COUNTY HEALTH DEPARTMENT BUREAU OF ENVIRONMENTAL HEALTH

03-291847

Jack Fyock Septic Service, Inc

IS PERMITTED TO

INSTALL ☐

ALTER ☒

ADDRESS: PO Box 89, Glenelg, MD 21737

PHONE NUMBER: 410-988-9270

SUBDIVISION: Shephards Glen

LOT NUMBER: 15

ADDRESS: 3830 Walt Ann Drive

PROPERTY OWNER: William McKenna

SEPTIC TANK CAPACITY (GALLONS):

Ex 750 & Dry Well

PUMP CHAMBER CAPACITY (GALLONS):

N/A

NUMBER OF BEDROOMS:

3

$\frac{210 \times 3}{3} \times .36 = 75$

SQUARE FEET PER BEDROOM:

210

LINEAR FEET OF TRENCH REQUIRED:

62'±

TRENCHES:	Trench to be 3 feet wide. Inlet 5 1/2 feet below original grade. Bottom maximum depth 10 1/2 feet below original grade. Effective area begins at 5 1/2 feet below original grade. 5 feet of stone below distribution pipe.
LOCATION:	SET D. Box off of dry well. Run 65' of trench on contour.
PURPOSE:	Septic system is failing. Call for inspection when the ground has been opened so sanitarian can recommend repair..

PLANS APPROVED:

Kacie Noonan

DATE:

10/3/03

NOTE: PERMIT VOID AFTER 2 YEARS

NOTE: CONTRACTOR RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS

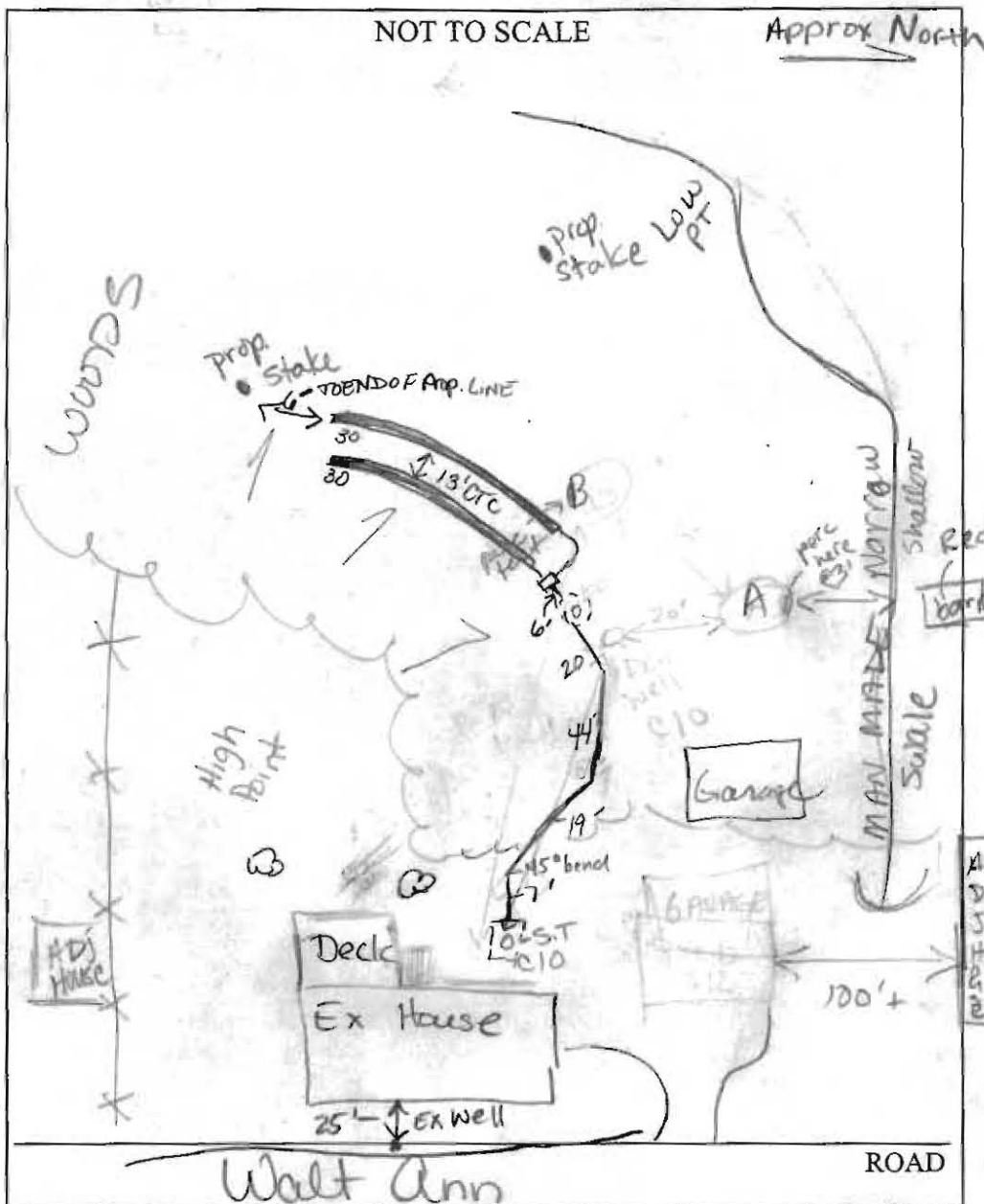
NOTE: WATERTIGHT SEPTIC TANKS REQUIRED

NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL

NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS

NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS
RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM
PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT
CALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM

9519596



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
2	5 1/2	10 1/2
NUMBER OF TRENCHES		2
TOTAL LENGTH		601
ABSORPTION AREA		
DISTRIBUTION BOX LEVEL		yes
DISTRIBUTION BOX BAFFLE		yes
DISTRIBUTION BOX PORT		N/A

SEPTIC TANK DATA		
SEPTIC TANK 1 LEVEL		
CAPACITY	750	GAL
SEAM LOC	med	
TANK LID DEPTH	~10"	
BAFFLES	built in terra cotta	
BAFFLE FILTER	100K fine	
MANHOLE LOC	@ grade center	
6" PORT LOC		
WATERTIGHT TEST		
SEPTIC TANK 2 LEVEL		
CAPACITY		GAL
SEAM LOC		
TANK LID DEPTH		
BAFFLES		
BAFFLE FILTER		
MANHOLE LOC		
6" PORT LOC		
WATERTIGHT TEST		

PRE-CONSTRUCTION 10/3/03 ADT wells in front of house. 4bdrm. Use ex dry well as additional storage & settling. See perc Notes (KN)

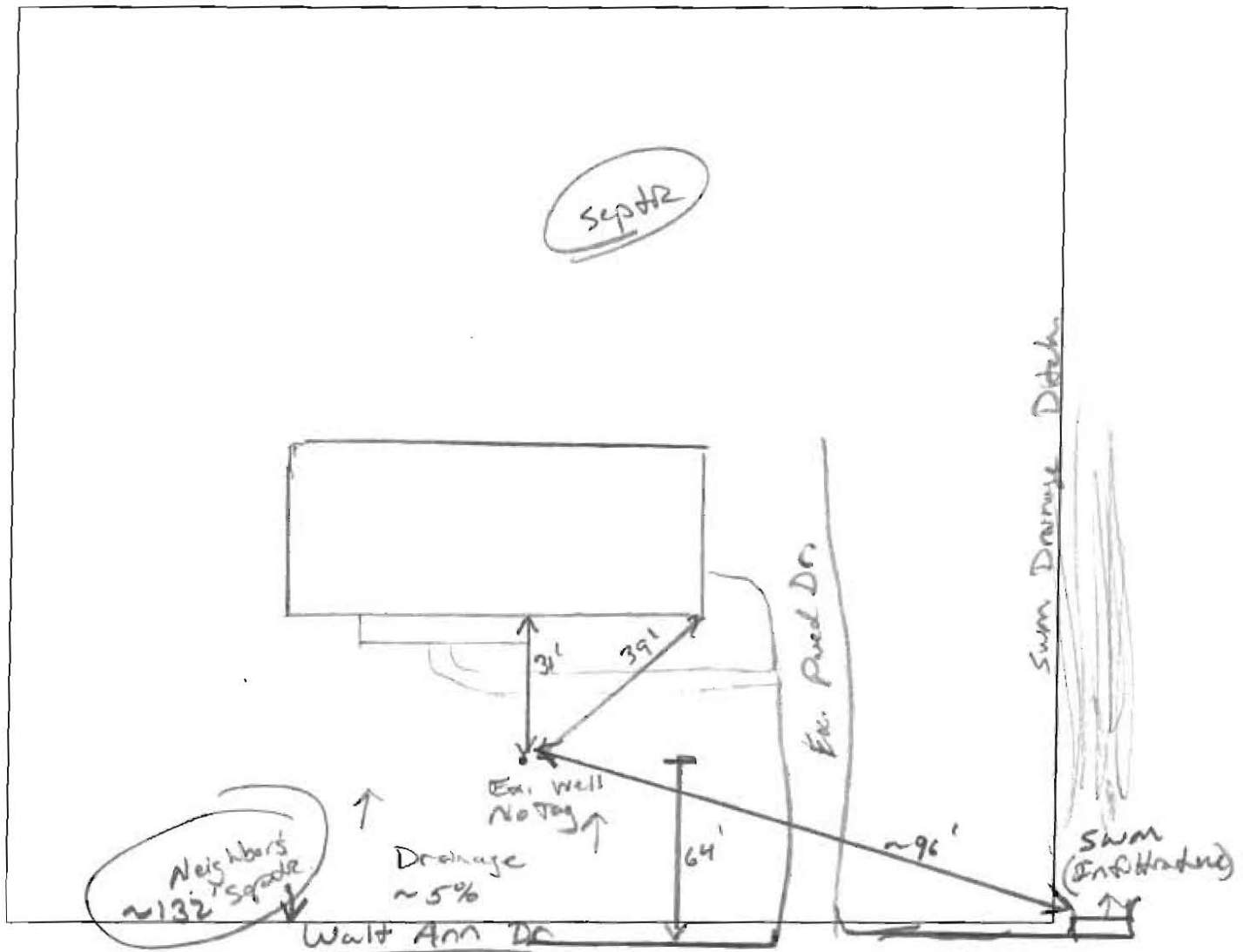
INSTALLATION 10/21/03 See perc sheet for percolation testing locations. Replaced pipe from S.T. to dry well w/ pvc. OK to cover all work (KN)

FINAL INSPECTOR Kace Norman DATE OF APPROVAL 10/21/03

SITE INSPECTION SHEET

OWNER: Mary McKenna PHONE #: _____
ADDRESS: 3830 Walt Ann Dr. CONTRACTOR: _____
WELL TAG #: _____
SUBDIVISION: _____ LOT: _____ COUNTY #: (12)
PROPOSAL: Elevated Chlorides, Verify well location,
SWM locations, swales etc.

LOCATION DIAGRAM



COMMENTS: Ex well no tag, No conduit, steel casing, one pipe cap, potless?
3833 Walt Ann Dr. → septic located ~132' directly upgradient
of well. met w/ homeowner, told her to get more water tests done,
(nitrates, TDS, sodium, & coliform, turbidity). Don't think SWM is an issue
DATE: 10/1/10 INSPECTOR: JK Wolf

Wolf, Kevin

From: Nixon F, Bert
Sent: Wednesday, September 29, 2010 4:29 PM
To: Wolf, Kevin
Cc: Davis J., Michael
Subject: FW: 3830 Walt Ann Drive

Kevin

Given your "experience" with Monticello Dr., could you take a look at this site and verify exactly how far off the road the well is and how far the well is from the "curb" and related runoff pipe are. Is it possible that snow piled along the side of the road (potentially containing salt) would melt and impact the well recharge area? Trying to brainstorm and see if there is a solid link between the apparent salt levels reported and the field conditions

Thanks

Bert

From: Malone, William
Sent: Wednesday, September 29, 2010 1:47 PM
To: Nixon F, Bert; Tomlin, Evelyn
Subject: RE: 3830 Walt Ann Drive

Walt Ann has an asphalt curb which directs the roadway runoff into the storm drain box located on the property line between 3830 and 3826. The runoff is then piped past the citizens front yard to halfway past the house, maybe 115' from the center of the road. There is a standpipe in the citizen's front yard which I guess is the well. The roadway runoff is piped past the well and from there is carried in a well defined swale.

Walt Ann is considered a secondary road and does not get the kind of attention from our snow plow drivers as would a main road like folly quarter or Triadelphia.

It does not seem to fit the conditions were one might expect salt to be seeping into the ground.

Where do we go from here?

From: Nixon F, Bert
Sent: Wednesday, September 29, 2010 9:33 AM
To: Nixon F, Bert; Malone, William; Tomlin, Evelyn
Subject: RE: 3830 Walt Ann Drive

Forgot the septic info

From our records, appears that the septic tank is about 15 ft off the back of the house (coming out 25ft from the rear right corner when facing the house from Walt Ann Dr.). The diagram shows a dry well 30ft straight out from the septic tank. Repair trenches were added off the drywell area on contour moving towards the rear and left side of the property. Trenches appear to be in the woods.

From: Nixon F, Bert
Sent: Wednesday, September 29, 2010 9:22 AM
To: Malone, William; Tomlin, Evelyn
Subject: RE: 3830 Walt Ann Drive

Evelyn and Bill

Was able to locate the "well log" for this address. Well is quite old – drilled in 1969, so the well log is not as complete as we more typically see with newer wells.

Well appears to be 102 ft. deep – it appears to be 50ft of casing, but only grouted to 20 ft or so. Our drawing also shows it to be out in front of the house.

Given the age and apparent construction, not a surprise that it could be impacted with salts, esp if a SWM device is close to it.

Hope this helps

Bert

From: Malone , William
Sent: Wednesday, September 29, 2010 7:56 AM
To: Tomlin , Evelyn
Cc: Nixon F, Bert
Subject: RE: 3830 Walt Ann Drive

Bert,
She told me the well is in the front yard
I drove by and saw the inlet at the property line but I did not follow the pipe down. I will do that today
Bill

From: Tomlin , Evelyn
Sent: Tuesday, September 28, 2010 5:34 PM
To: Malone , William
Cc: Nixon F, Bert
Subject: RE: 3830 Walt Ann Drive

Bill,
Normally Bert Nixon or his staff in Environmental Health and I deal with these with the attorneys and Risk Management.

Next steps:

1. Determine the location of the storm drain pipe and well. Bill do you have this information?
2. Well log data – Bert can you find with the address or do you need the well tag information.
3. Determine the location of the septic system for this house and the neighbors.
4. Determine if the owner has a water softener that uses "salt" or a reverse osmosis system both of which will put "salt" into the groundwater through the septic system.

From: Malone , William
Sent: Friday, September 24, 2010 3:45 PM
To: Tomlin , Evelyn
Subject: FW: 3830 Walt Ann Drive

Evelyn,
This citizen has asked that I extend the storm drain pipe to help lower or at least maintain the levels of chlorides she has. Is ther someone down in your shop I can deal with?
She is experiencing plumbing problems associated with this.
She had the water tested a couple years ago and it was 233 ppm, below the 250 thresahold.
In 10/08 her plumber tested it and got 8 grains per gal, below the 14 threshold.

Her plumber also handles two neighbors and neither of them have issues.

I do not object to helping out but I would like some idea of whether extending the pipe would help and if it is needed in the first place.

From: Mary McKenna [mailto:m.h.mckenna@att.net]

Sent: Friday, September 24, 2010 8:35 AM

To: Malone , William

Subject: 3830 Walt Ann Drive

Bill,

Here is my email address, in case you have need of it.

Mary McKenna