



# HOWARD COUNTY HEALTH DEPARTMENT

68753

DATE 2/17/21

WS

Received From

Allied Env. Services

301 776-8370

For

Will Permit 5000 Ton  
Oaks Rd.

☐ CASH  
☒ CHECK

NO.

24890

One hundred eighty

Dollars

\$ 1601.00

Received By

King

C1 59056

SEQUENCE NO.  
(MDE USE ONLY)STATE OF MARYLAND  
WELL COMPLETION REPORTTHIS REPORT MUST BE SUBMITTED WITHIN  
45 DAYS AFTER WELL IS COMPLETED.1 2 3 4 5 6  
(THIS NUMBER IS TO BE PUNCHED.  
IN COLS. 3-6 ON ALL CARDS)ST/CO USE ONLY  
DATE RECEIVED

DATE WELL COMPLETED

Depth of Well

COUNTY  
NUMBERPERMIT NO.  
FROM "PERMIT TO DRILL WELL"

8

13

15

20

22

26

28

29

30

31

32

33

34

35

36

37

OWNER

WELL SITE ADDRESS

SUBDIVISION

SECTION

LOT

## WELL LOG

Not required for driven wells

STATE THE KIND OF FORMATIONS PENETRATED, THEIR  
COLOR, DEPTH, THICKNESS AND IF WATER BEARINGDESCRIPTION (Use  
additional sheets if needed)

FEET

FROM

TO

check  
if water  
bearing

Brn Clay

0

30

Gray Brn Rock

30

80

Gray Rock +  
Mica

80

600

## GROUTING RECORD

WELL HAS BEEN GROUTED  
(Circle Appropriate Box)yes no  
Y N  
44 44

TYPE OF GROUTING MATERIAL (Circle one)

CEMENT CM

BENTONITE CLAY BC

NO. OF BAGS 12

NO. OF POUNDS 300

GALLONS OF WATER

DEPTH OF GROUT SEAL (to nearest foot)

from 48 TOP 52 ft. to 54 BOTTOM 58 ft.  
(enter 0 if from surface)

## CASING RECORD

casing  
types  
insert  
appropriate  
code  
belowST  
STEELCO  
CONCRETEPL  
PLASTICOT  
OTHERMAIN  
CASING  
TYPE PLNominal diameter  
top (main) casing  
(nearest inch) 6Total depth  
of main casing  
(nearest foot) 40

60 61

63 64

66 70

E  
A  
C  
H  
C  
A  
S  
I  
N  
G

OTHER CASING (if used)

diameter

depth (feet)

inch

from to

screen type  
or open hole

SCREEN RECORD

(insert  
appropriate  
code  
below)ST  
STEELBR  
BRASSHO  
OPEN  
HOLEPL  
PLASTICOT  
OTHER

NUMBER OF UNSUCCESSFUL WELLS: 3

WELL HYDROFRACTURED

yes

no

Y

N

CIRCLE APPROPRIATE LETTER

A A WELL WAS ABANDONED AND SEALED  
WHEN THIS WELL WAS COMPLETED

E ELECTRIC LOG OBTAINED

P TEST WELL CONVERTED TO PRODUCTION  
WELLI HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN  
ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND  
IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE  
CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED  
HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY  
KNOWLEDGE.

DRILLERS LIC. NO. 1 M2 D 37

DRILLERS SIGNATURE

(MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. 1 D

SITE SUPERVISOR (sign. of driller or journeyman  
responsible for sitework if different from permittee)

C 2

DEPTH (nearest ft.)

1 8 9 11 15 17 21

2 23 24 26 30 32 36

3 38 39 41 45 47 51

4 43 44 46 50 52 56

5 58 59 61 65 67 71

6 73 74 76 80 82 86

7 88 89 91 95 97 101

8 103 104 106 110 112 116

9 118 119 121 125 127 131

10 133 134 136 140 142 146

11 148 149 151 155 157 161

12 163 164 166 170 172 176

13 178 179 181 185 187 191

14 193 194 196 200 202 206

15 208 209 211 215 217 221

16 223 224 226 230 232 236

17 238 239 241 245 247 251

18 253 254 256 260 262 266

19 268 269 271 275 277 281

20 283 284 286 290 292 296

21 298 299 301 305 307 311

22 313 314 316 320 322 326

23 328 329 331 335 337 341

24 343 344 346 350 352 356

25 358 359 361 365 367 371

26 373 374 376 380 382 386

27 388 389 391 395 397 401

28 403 404 406 410 412 416

29 418 419 421 425 427 431

30 433 434 436 440 442 446

31 448 449 451 455 457 461

32 463 464 466 470 472 476

33 478 479 481 485 487 491

34 493 494 496 499 501 505

35 507 508 510 514 516 520

36 522 523 525 529 531 535

37 537 538 540 544 546 550

38 552 553 555 559 561 565

39 567 568 570 574 576 580

40 582 583 585 589 591 595

41 597 598 600 604 606 610

42 612 613 615 619 621 625

43 627 628 630 634 636 640

44 642 643 645 649 651 655

45 657 658 660 664 666 670

46 672 673 675 679 681 685

47 687 688 690 694 696 700

48 702 703 705 709 711 715

49 717 718 720 724 726 730

50 732 733 735 739 741 745

51 747 748 750 754 756 760

52 762 763 765 769 771 775

53 777 778 780 784 786 790

54 792 793 795 799 801 805

55 807 808 810 814 816 820

56 822 823 825 829 831 835

57 837 838 840 844 846 850

58 852 853 855 859 861 865

59 867 868 870 874 876 880

60 882 883 885 889 891 895

61 897 898 900 904 906 910

62 912 913 915 919 921 925

63 927 928 930 934 936 940

64 942 943 945 949 951 955

65 957 958 960 964 966 970

66 972 973 975 979 981 985

67 987 988 990 994 996 999

68 1000 1000 1000 1000 1000 1000

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95 1000 1000 1000 1000 1000 1000

96 1000 1000 1000 1000 1000 1000

97 1000 1000 1000 1000 1000 1000

98 1000 1000 1000 1000 1000 1000

99 1000 1000 1000 1000 1000 1000

100 1000 1000 1000 1000 1000 1000

C 3

1 2

## PUMPING TEST

HOURS PUMPED (nearest hour) 8

PUMPING RATE (gal. per min.) 12

METHOD USED TO  
MEASURE PUMPING RATE Time/Back

WATER LEVEL (distance from land surface)

BEFORE PUMPING 40 ft.

WHEN PUMPING 570 ft.

TYPE OF PUMP USED (for test)

A air

P piston

T turbine

C centrifugal

R rotary

O other  
(describe  
below)

J jet

S submersible

## PUMP INSTALLED

DRILLER INSTALLED PUMP  
(CIRCLE) (YES or NO)

YES NO

IF DRILLER INSTALLS PUMP, THIS SECTION  
MUST BE COMPLETED FOR ALL WELLS.TYPE OF PUMP INSTALLED  
PLACE (A,C,J,P,R,S,T,O)  
IN BOX 29.CAPACITY:  
GALLONS PER MINUTE  
(to nearest gallon) 1,540

PUMP HORSE POWER 37 41

PUMP COLUMN LENGTH  
(nearest ft.) 570CASING HEIGHT (circle appropriate box  
and enter casing height)

+ above

LAND SURFACE

- below

(nearest  
foot)LATITUDE 39.23417  
LONGITUDE 76.98169  
(DEFAULT COORD. WGS 84)Pursuant to §10-624 of the State Govt. Article of  
the Maryland Code personal info. requested on  
this form is used in processing this form pursuant  
to COMAR 26.04.04. Failure to provide the info.  
may result in this form not being processed. You  
have the right to inspect, amend, or correct this  
form. The Maryland Department of the  
Environment is subject to the Maryland Public  
Information Act. This form may be made  
available on the Internet via MDE's website and is  
subject to inspection or copying, in whole or in  
part, by the public and other governmental  
agencies, if not protected by federal or state law.

<b>B 1</b>	<b>44047</b> <small>1 2 3 6</small>	SEQUENCE NO. (MDE USE ONLY)	<b>STATE OF MARYLAND</b> <b>APPLICATION FOR PERMIT TO DRILL WELL</b> please type <b>508753</b>	STATE PERMIT NUMBER <b>Ho - 20 - 0072</b> <small>70 fill in this form completely 79</small>
<b>OWNER INFORMATION</b> Date Received (ARA) <b>02/12/21</b> <small>8 MM DD YY 13</small> <b>Giraffon Ronald + Anne He</b> <small>15 Last Name Owner First Name 34</small> <b>4959 Morning Star Dr</b> <small>36 Street or RFD 55</small> <b>Dayton MD</b> <small>57 Town 70 State 72 Zip 76</small>			<b>LOCATION OF WELL</b> <b>Howard</b> <small>8 COUNTY 21</small> <b>23 SUBDIVISION 42</b> <b>SECTION 2 LOT 1</b> <small>44 46 48 50</small> <b>Dayton</b> <small>52 NEAREST TOWN 71</small>	
<b>DRILLER INFORMATION</b> <b>Brett Sweeney M SD 237</b> <small>Driller's Name 76 License No. 81</small> <b>Alfred Well Drilling</b> <small>Firm Name</small> <b>PO Box 129 Annapolis Junction MD 20701</b> <small>Address</small> <b>[Signature]</b> <b>02/12/2021</b> <small>Signature Date</small>			<b>SOURCES OF DRILLING WATER</b> <b>Public</b> <small>1. 3.</small> <b>5000 Ten Oaks Rd</b> <small>11 STREET ADDRESS 30</small> ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) <div style="text-align: center;">           NORTH  <input checked="" type="checkbox"/> N  <input type="checkbox"/> E  <input type="checkbox"/> S  <input type="checkbox"/> W            SOUTH         </div> <b>34 37</b> <small>DISTANCE FROM ROAD</small> ENTER FT OR MI <b>38 39</b> TAX MAP: <b>0028</b> BLK: _____ PARCEL <b>0167</b>	
<b>WELL INFORMATION</b> <b>10</b> <small>1 2 APPROX. PUMPING RATE (GAL. PER MIN.) 8 12</small> <b>1,000</b> <small>AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 14 20</small>			<b>NOT TO BE FILLED IN BY DRILLER</b> <b>HEALTH DEPARTMENT APPROVAL</b> <b>Howard</b> <small>COUNTY NAME COUNTY NO</small> <b>[Signature]</b> <small>STATE SIGNATURE INSERT S 41</small> <b>02/12/2021</b> <small>DATE ISSUED 48 MM DD YY 48</small> <b>[Signature]</b> <small>CO SIGNATURE EXP. DATE</small>	
<b>USE FOR WATER (CIRCLE APPROPRIATE BOX)</b> <input checked="" type="radio"/> DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION <input type="radio"/> FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) <input type="radio"/> INDUSTRIAL, COMMERCIAL, DEWATERING <input type="radio"/> PUBLIC WATER SUPPLY WELL <input type="radio"/> TEST, OBSERVATION, MONITORING <input type="radio"/> OPEN LOOP GEOTHERMAL <input type="radio"/> CLOSED LOOP GEOTHERMAL			<b>PROPOSED LOCATION OF WELL ON LOT</b> <b>SHOW PERMANENT STRUCTURES SUCH AS BUILDINGS, SEPTIC SYSTEM, ROADS AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCE MEASUREMENTS TO WELL</b> <div style="border: 1px solid black; padding: 5px;"> <p>3/2/21 Hole #5 bed rock 30' (not true bed rock, grey and brown layers) casing 40' water 50' drilling A B to 60s for 65' 75' storage. Driller is going to put tier in. Holes #5 and #4 N drilled to 100', no water.</p> </div>	
APPROXIMATE DEPTH OF WELL <b>500</b> FEET <small>24 28</small> APPROXIMATE DIAMETER OF WELL <b>6</b> INCH <small>NEAREST INCH</small>			<b>METHOD OF DRILLING (circle one)</b> BORED (or Augered) <input checked="" type="radio"/> AIR-ROTARY <input type="radio"/> CABLE <input type="radio"/> other _____ JETTED <input type="radio"/> AIR-PERCussion <input type="radio"/> REVERSE-ROTARY <input type="radio"/> Drive-POINT Jetted & DRIVEN <input type="radio"/> ROTARY (Hydraulic Rotary)	
<b>REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)</b> <input type="radio"/> THIS WELL WILL NOT REPLACE AN EXISTING WELL <input checked="" type="radio"/> THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED <input type="radio"/> THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS <input type="radio"/> THIS WELL WILL DEEPEMED AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 _____ 52			Pursuant to § 10-624 of the State Govt. Article of the Maryland Code, personal info requested on this form is used in processing this form pursuant to COMAR 26.04.04. Failure to provide the info may result in this form not being processed. You have the right to inspect, amend, or correct this form. The Maryland Department of the Environment is subject to the Maryland Public Information Act. This form may be made available on the Internet via MDE's website and is subject to inspection or copying, in whole or in part, by the public and other governmental agencies, if not protected by federal or State Law.	
Not to be filled in by driller (MDE OR COUNTY USE ONLY) APPROP. PERMIT NUMBER _____ G _____ PERMIT No. <b>Ho - 20 - 0072</b> <small>70 71 72 73 74 75 76 77 78 79</small>				
SPECIAL CONDITIONS <small>NOTE APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED</small>				

**Maura J. Rossman, M.D., Health Officer**

**MEMORANDUM**

March 19<sup>th</sup>, 2021

Home Owner

RE: **Replacement Well Sampling**  
4959 Morning Star Drive  
Dayton, MD 21036 **0072**  
Well Permit # HO-20-0070-**P**

Associated with: 5000 Ten Oaks Road Dayton, MD 21036

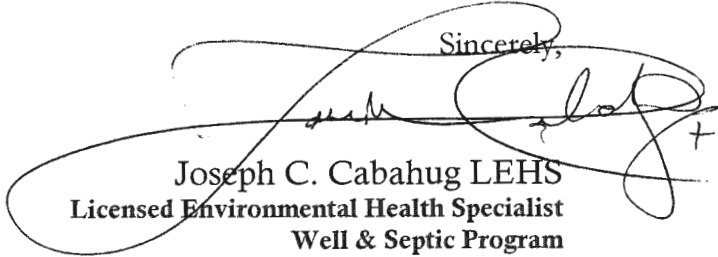
Dear Homeowner:

According to our records, your replacement well has been connected to the dwelling. The final inspection was granted on 03/09/2021. We request that you contact the Community Hygiene Program at **(410) 313-1773** to schedule initial water sampling for the above referenced replacement well, as required by the Maryland Well Construction Regulation (COMAR 26.04.04). This sampling includes testing for bacteria, nitrates, turbidity, and sand.

It is preferred that the sample be collected from the primary indoor drinking tap, but if suitable scheduling is not possible, the sample may be taken from an outside tap to complete your sampling obligation. However, the potential for unsuccessful sample results increases when samples are collected from taps exposed to the outside environment.

If sampling has already been performed by an outside lab, please help us by **forwarding the results of the samples to our office**. If you have any further questions, you can call me at 410-313-2643. Otherwise, call Community Hygiene at 410-313-1773 to schedule or arrange for them to collect the subsequent water samples.

Sincerely,



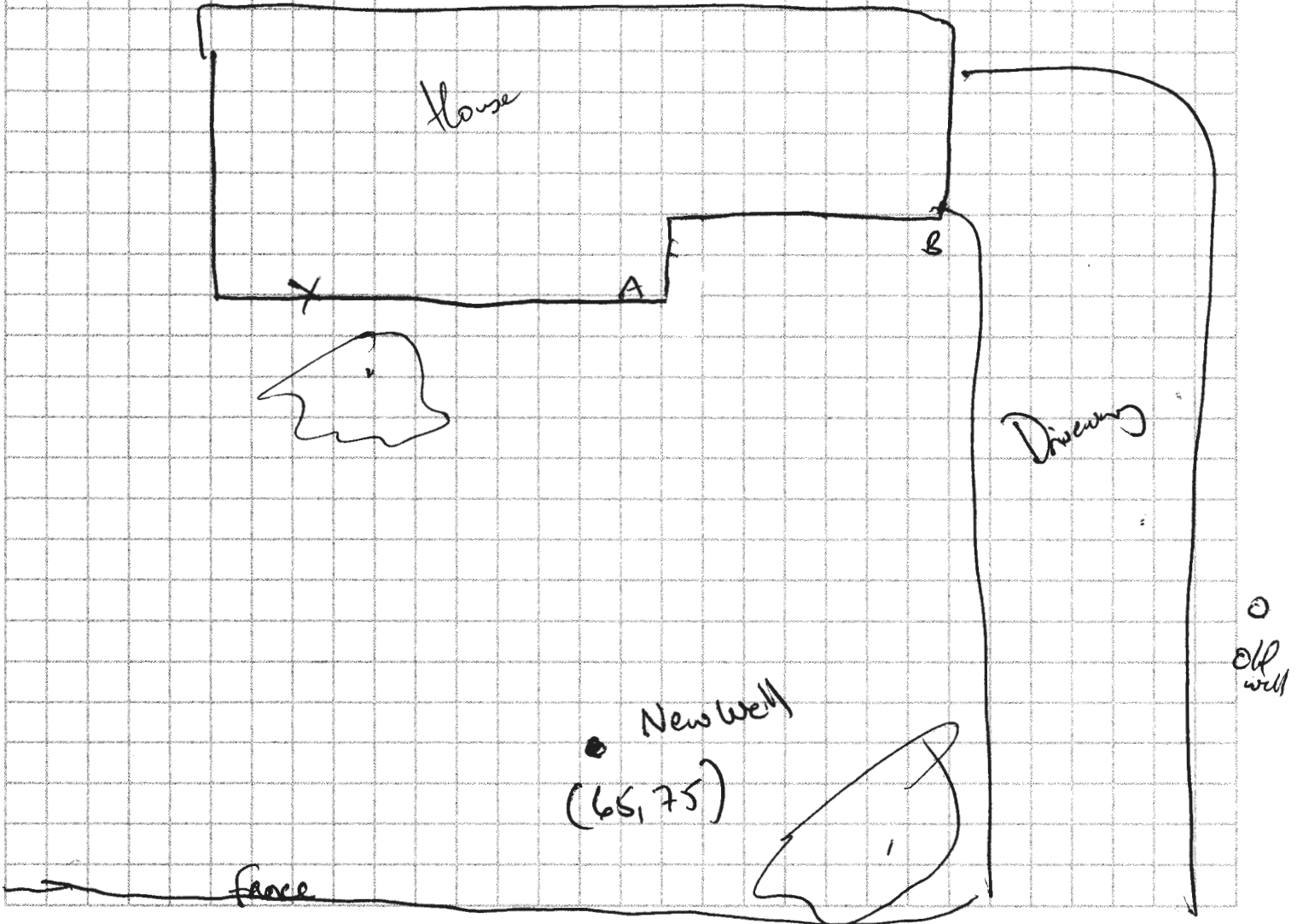
**Joseph C. Cabahug LEHS**  
Licensed Environmental Health Specialist  
Well & Septic Program  
Bureau of Environmental Health

Glanton - Ten Oaks

Septic Area



## SITE PLAN



Sediment Control Protocol: \_\_\_\_\_

Distance From House: 65

From Septic: 100+

From Sewer: N/A

From Property Line: ~25'

From Street: ~30'

Trees Nearby: NO

Utility Issues: NO

Mats Needed: YES

Access For H/U: \_\_\_\_\_

Neighboring Tags: \_\_\_\_\_

Comments: \_\_\_\_\_

Person Completing Form: \_\_\_\_\_

# FILE INQUIRY NOTES

4959 Morning Star Dr

page 1 of \_

DATE	RESULTS OF REVIEW FOR FILE
2/23/21	<p>Two septic cleanouts located in back of house, 10' and 45' from corner. Owner has not pumped out tank in 10-15 years, is not sure which clean out is tank. Owner believes there is a septic field.</p> <p>Confirmed well locations of neighbors on Morning Star Drive. Neighbor directly across the street on Ten Oaks has well in backyard (near fence, as shown on interaction) and septic presumably in front yard. Edge of their front yard is ~40' from this properties front yard. Owner wanted well to be close to Ten Oaks but it would be too close to the 4995 Ten Oaks septic, and downgrade from 4956 Morningstar Dr septic.</p> <p>Well location in triangle area of driveway, 100' from 4956 Morningstar Dr's septic area, and 10' from edge of driveway 18' from edge of road. (SB)</p>
2/24/21	<p>2nd hole dry @ 600'. 50' gas easement marked by TransCanada. Opened two septic cleanouts - water level in tank 1' from grade, 0.5' from grade in dry well.</p> <p>Let owners know they have option of deepening/reworking old well, choosing a new location in triangle of driveway, or possibly moving to lower corner of property near 4963.</p> <p>TC gas says the rig cannot drive over gas line.</p> <p>Any well line that goes across gas line must have a 2'</p>



# FILE INQUIRY NOTES

4959 Morning Star

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DATE	RESULTS OF REVIEW FOR FILE
cont. 2/24/21	<p>verticle offset from gas line. Andy from Trans Canada (previously worked as a gas driller) said hydrofracking in Gaither's Chance development might have caused this well to ran dry.</p> <p>Owner, Annette, says well was always very low but in the past month has dwindled to nothing. Alerted owner that the septic tank needed to be pumped and the dry well may be close to failing. Possible septic repair area could be along Ten Oaks Rd, going towards front yard. (SP)</p>
2/25/21	<p>After conferring with Jeff Williams, Kevin thinks it best to exhaust triangle area and area close to old well &amp; house before moving downhill. If a well is to be located in lower corner, it should be as upgrade of 4963's septic as possible, &amp; even if the lot line setback is waived.</p> <p>Allied continued to drill deeper on Hole #2 in triangle today. (SP)</p>
3/2/21	<p>Allied did not get enough water from Hole #2. Drilled Holes #3 and #4 in the driveway triangle over the weekend, but found no water (160' deep each). Selected Hole #5 location with Joseph on 3/1/21, to <del>left</del> left of driveway ~20' from house. Hit bedrock at 30' although driller, Peter, says</p>

## FILE INQUIRY NOTES

4959 Morning Star

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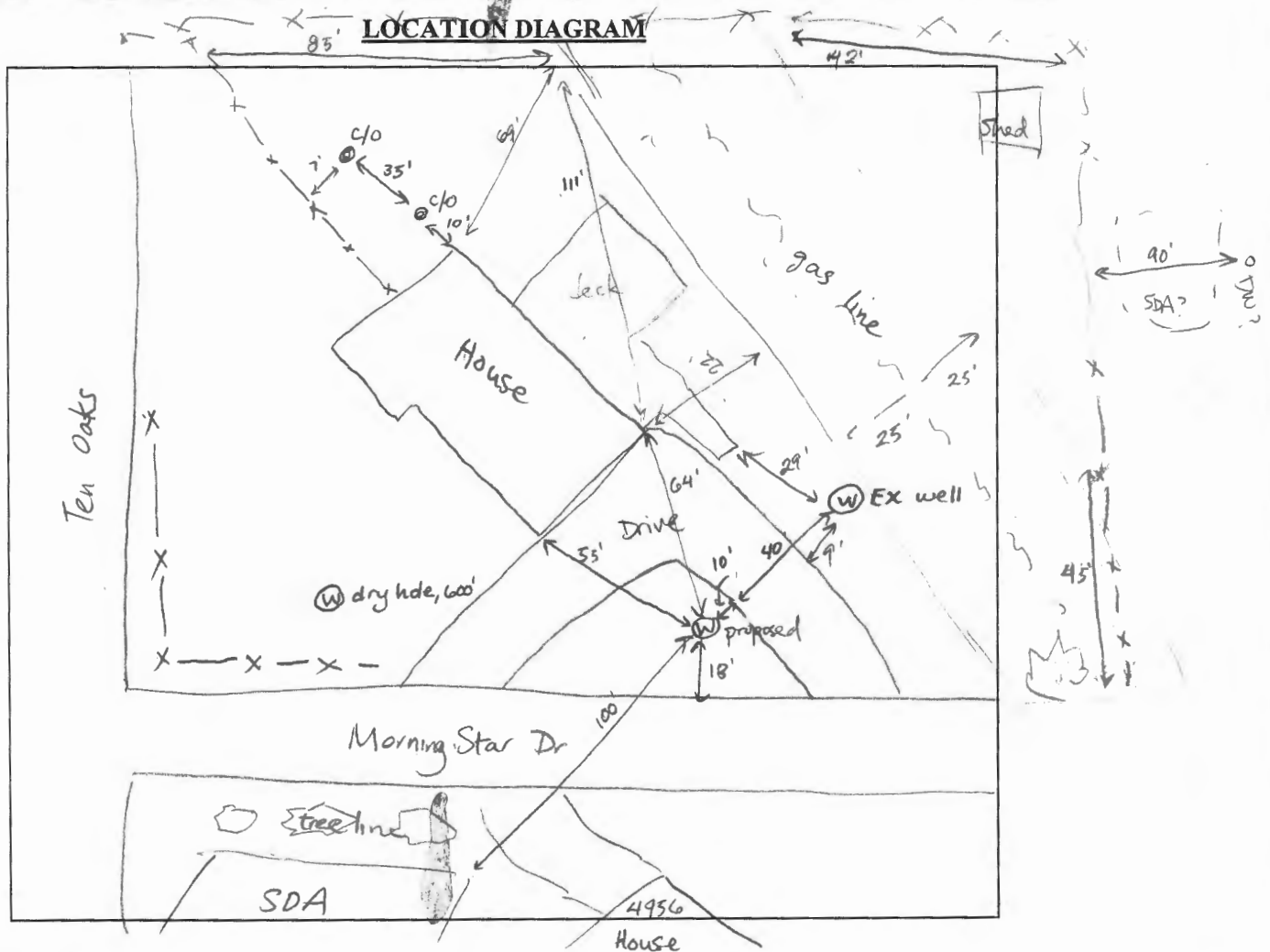


Annette 410 972 8809

annettedanex422@gmail.com

**SITE INSPECTION SHEET**

OWNER: Gratton, Ronald J PHONE #: \_\_\_\_\_  
ADDRESS: 4959 Morning Star Dr CONTRACTOR: Allied  
Dayton, MD 21036 WELL TAG #: HO-20-0072  
SUBDIVISION: 1104 LOT: 1 COUNTY #: Howard  
PROPOSAL: Emer. Rep. Well  
aka 5000 Ten Oaks



COMMENTS: \_\_\_\_\_  
Previous location selected was dry @ 600'. Chose a new location in triangle of grass by the driveway that is 100' from neighbors septic across the street. See further comments in attached notes.

DATE: 2/23/21 INSPECTOR: Susan Thomas