

10/24/89 2pm
10/15/89 AM
pm

~~1355~~

05-407230

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH DISTRICT 5th

HOWARD COUNTY

BUREAU OF ENVIRONMENTAL HEALTH

461-9933

P 844979

A 38582

DATE 9/22/89

DATE SYSTEM APPROVED 10-25-89

INSPECTOR JEN

INDEXED

Souder Builders

IS PERMITTED TO INSTALL X ALTER

ADDRESS 14269 Traddelphia Mill Road, Dayton, Md. 21036 PHONE 725-5772

SUBDIVISION Twelve Hills ROAD 13025 Twelve Hills Rd. LOT 20, Sec. 2

PROPERTY OWNER Arlen Sager Phone: 490--2442

ADDRESS 8475 Rooster Court, Laurel, Md. 20707

IF GARBAGE GRINDER IS USED INCREASE SEPTIC TANK CAPACITY BY 50% AND ABSORPTION AREA BY 22%.

GARBAGE GRINDER? YES _____ NO X

SEPTIC TANK CAPACITY 1250 GALLONS NUMBER OF BEDROOMS 4

180
120 180 ft trench

TRENCHES - 180 sq. ft. sidewall area per bedroom. Trench to be 2 ft. wide.

Inlet 3 1/2 ft. below original grade. Bottom maximum depth 7 1/2 ft. below original grade. Effective area begins 3 1/2 ft. below original grade. 4 feet of stone below distribution box. Place the distribution box 150 ft. from the front lot line as seen when facing the lot from Twelve Hills Road and 50 ft. from the right lot line. Run the trenches toward the left lot line, on contour.

NOTE: ~~MAINTAIN~~ MAINTAIN A MINIMUM OF 100 FEET FROM THE WELL.

NOTE: NO TRENCH TO EXCEED 100 FEET IN LENGTH. PROVIDE 6"-8" DIAMETER CLEANOUT AND CAP TO GRADE OR ABOVE ON SEPTIC TANK. 9-22-89 JEN

PLANS APPROVED BY Raymond Hodges

DATE 8/31/89

COVER NO WORK UNTIL INSPECTED AND APPROVED

NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM.

NOTE: CLEANOUT REQUIRED EVERY 70 FEET OF SEWER LINE AND/OR AT 90° SWEEPS IN LINES FROM HOUSE TO DRAIN FIELDS.

NOTE: ALL PARTS OF SEPTIC SYSTEMS (I.E. TANK, DISTRIBUTION BOX, TRENCHES) TO BE 100 FEET FROM WELL (UNLESS OTHERWISE SPECIFIED).

NOTE: IF DEEP TRENCHES ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCHES.

NOTE: NO DRY WELL SHALL EXCEED 15 FOOT IN DIAMETER. NO ABSORPTION TRENCH TO EXCEED 100 FEET IN LENGTH.

NOTE: ALL PIPE FROM HOUSE TO SEPTIC TANK MUST BE CAST IRON OR SCHEDULE 40 PVC OR ABS.

PERMIT VOID AFTER TWO YEARS

NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL. STAND PIPES MUST BE 6 INCHES IN DIAMETER. CAST IRON, CONCRETE OR TERRA COTTA OR PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET, MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

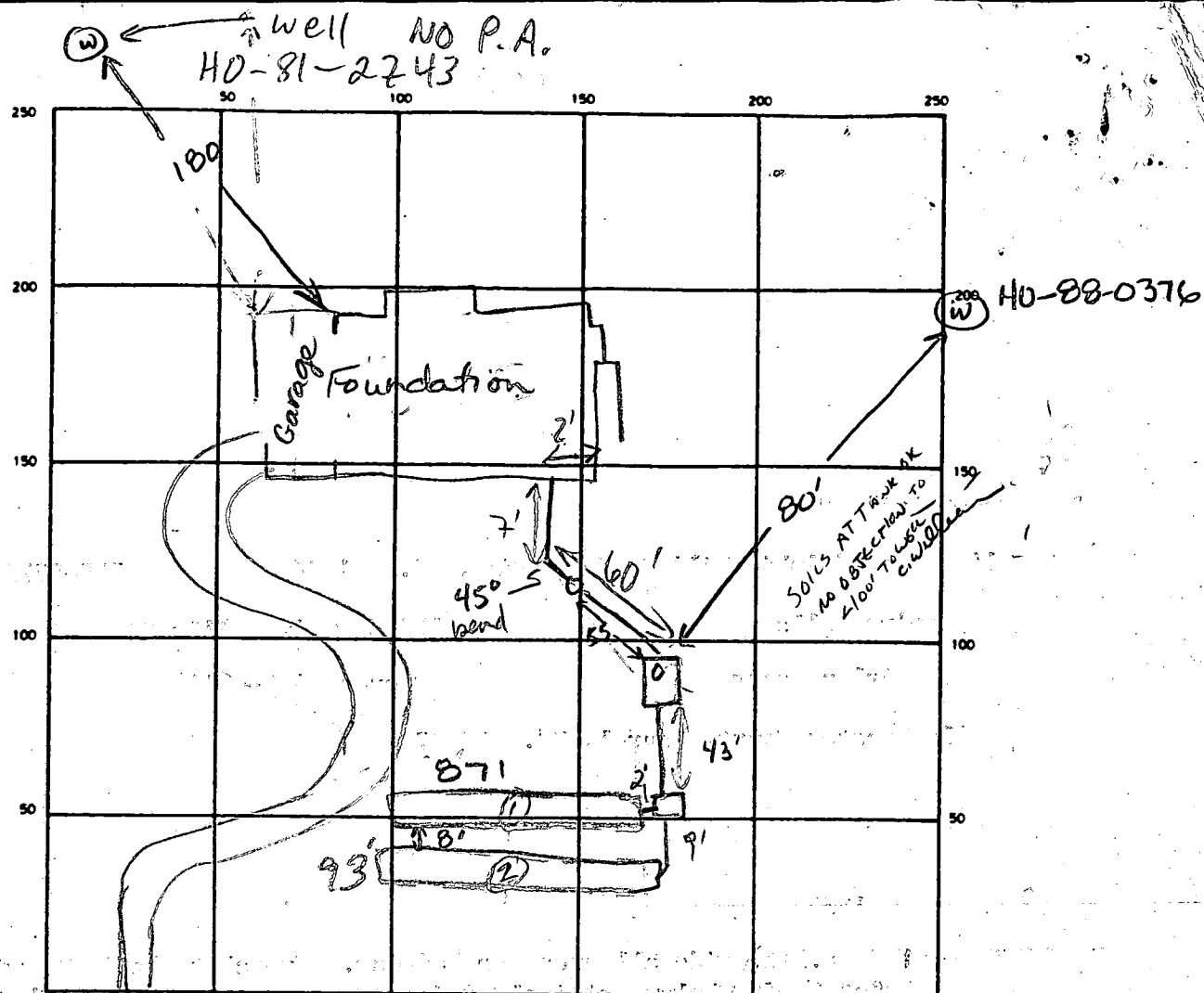
*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.

BUILDING PERMIT SIGNED
AND RETURNED

3-4-04 800 146477-26 P002

A 38582



Twelve Hills Road

SEPTIC TANK LEVEL 1500 gal CLEANOUTS 1 on s. tank, 1 in sewer line

DISTRIBUTION BOX LEVEL OK (with baffle)

DRAIN FIELD TILE FIELD DEPTH 7 1/2 FT. TRENCH WIDTH 2 FT. INLET DEPTH 3.5 3.5 FT.

EFFECTIVE GRAVEL DEPTH 4 4 FT. TOTAL LENGTH 107 293 FT.

NUMBER OF TRENCHES 2 ONE SIDEWALL/BOTTOM AREA 348 372 SQ. FT.

DRYWELL INSIDE DIAMETER 20 FT. EFFECTIVE DEPTH BELOW INLET — FT.

ABSORBENT AREA 720 SQ. FT.

REMARKS 10/24/89 OK TO STONE TRENCHES MR
10-25-89 OK to cover trenches, add cleanout to line,
from house to tank. 10-25-89 OK to cover all work. JEN

DATE SYSTEM APPROVED 10-25-89

INSPECTOR

Jane E. Madigan

APPLICATION

PERCOLATION TESTING

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
P.O. BOX 476, ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 461-9933

A 38582

P _____

DISTRICT 5

DATE 12/17/86

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I, HEREBY, APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Altogether Limited Partnership Arlen O. Sager

ADDRESS 10176 Baltimore National Pike Suite 210 PHONE 465-5855
490-2442

PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Altogether LOT NO. 28

ROAD AND DESCRIPTION Linden Church Rd + Rt 32 (13025 Twelve Hills Road)

TAX MAP 28 PARCEL # 66

SIZE OF LOT 3 acres TYPE BLDG SFD

(SINGLE FAMILY DWELLING OR COMMERCIAL)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE

FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO COMPLY

WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT.

Mark S. Reed
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 2487 hold for Plat. SDR

BLDG. PERMIT SIGNED
AND RETURNED 8/31/89
Serial # 28784
SFD-

THIS IS NOT A PERMIT



SOIL PROFILE

CLAY
STONE
3 -
PINK
BROWN
SAND
LOAF

207128

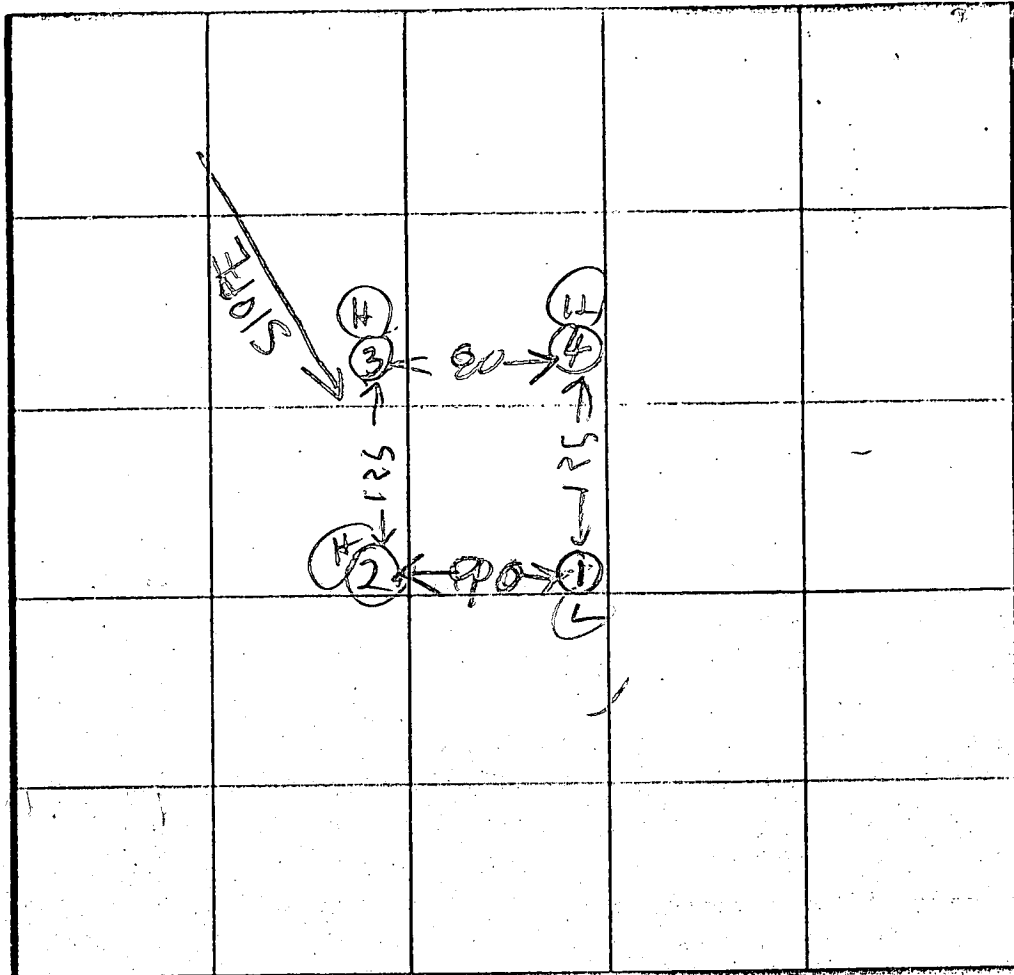
(2)
CLAY
DINK
BOON
SPND

(3)

CADY

PINK
TAN
BROWN
SAND
LOAM

4
CLF7
BANK
POWER
SPAN
40AM
EH: 12304



X Perc From
180 # 1BA
INLET 3.5'
BOTTOM 7.5'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

LINDEN CHAPEL AL

[illegible]

at
Time
6 min
max
depth
32 ft

REMARKS Holes Not dug Per Surveyor Sketch Plan (p. 86)

TYPE OF SOIL

TESTED BY:

K. HODGES

ALSO PRESENT

MARK
2KE778RMS
DAVID

Elev. at time of perc. 543'
 Exist elev. at Trench 543'
 Elev. of sewer at house 543'
 Elev. at tank inv. 542'
 Elev. at tank exist 541.67'
 Elev. at trench inv. 539.50'

8/31/89
 PLANS O.K.
 R/Hodges

I certify that all elev. are actual
 and correct for this property.

Donald E. Souder
 Donald E. Souder

OWNER: Arlen O. Sager
 8475 Rooster Ct.
 Laurel, Md. 20707

Lot #20 - Twelve Hills
 13025 Twelve Hills Road
 Clarksville, Md. 21029

SOUDER BUILDERS, INC.
 725-5772

Scale 1"=100'

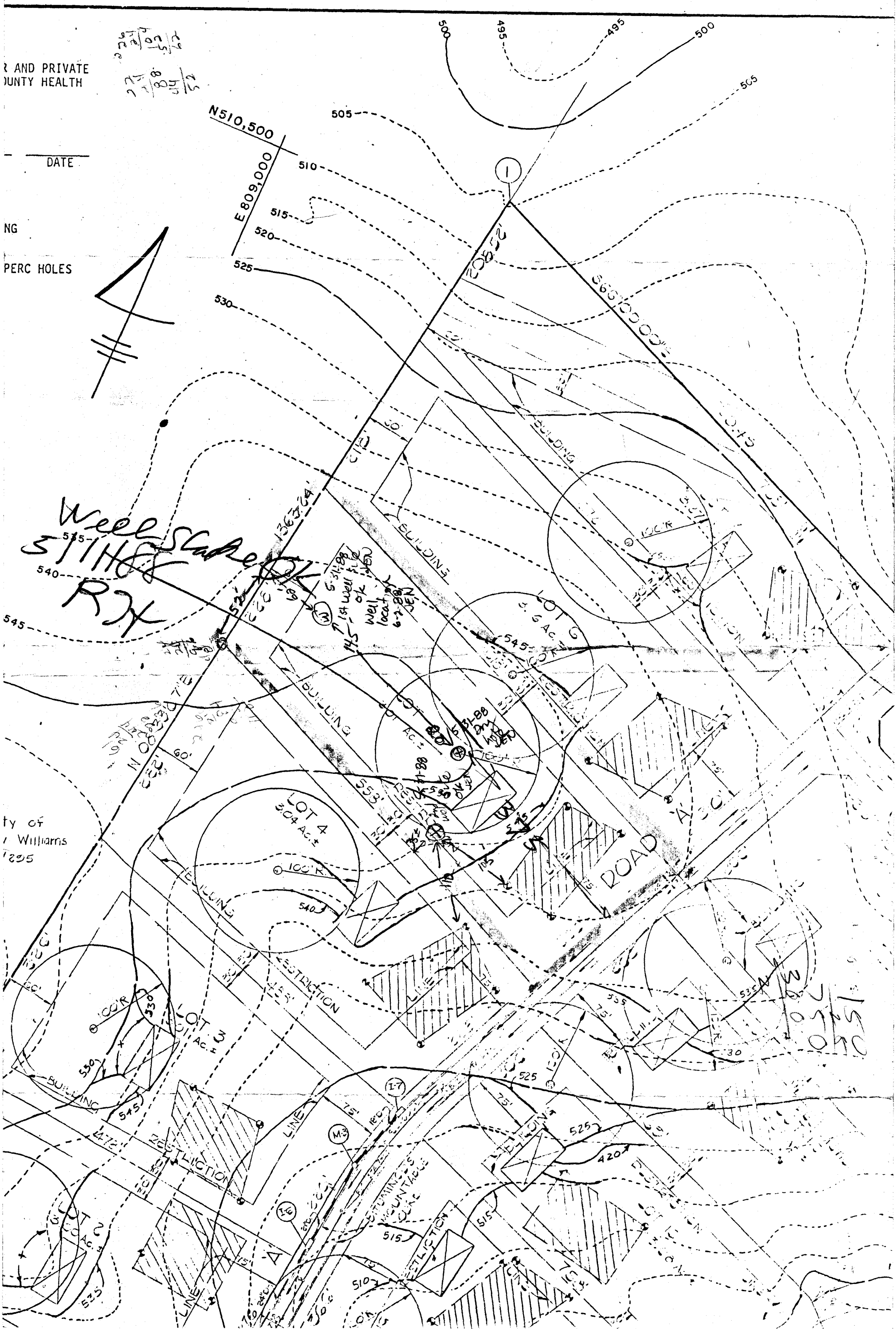


R AND PRIVATE
JUNTY HEALTH

DATE

NG

PERC HOLES



C1 9526	SEQUENCE NO. (DENY USE ONLY)	STATE OF MARYLAND WELL COMPLETION REPORT FILL IN THIS FORM COMPLETELY PLEASE PRINT OR TYPE	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.
(THIS NUMBER IS TO BE PUNCHED IN COLUMNS 3-6 ON ALL CARDS)		COUNTY NUMBER <u>W41617</u>	

DATE Received [] [] [] [] [] []	DATE WELL COMPLETED <u>060288</u>	Depth of Well 22 <u>305</u> 26 (TO NEAREST FOOT)	PERMIT NO. FROM "PERMIT TO DRILL WELL" <u>H0-81-2743</u>
OWNER <u>SABER</u> <u>ARLEN</u>			
STREET OR RFD last name <u>TWELVE MILE RD</u> first name		TOWN <u>Dayton</u>	
SUBDIVISION <u>TWELVE MILE</u>		SECTION <u>2</u> LOT <u>20</u>	

WELL LOG Not required for driven wells		
STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING		
DESCRIPTION (Use additional sheets if needed)	FEET FROM TO	Check if water bearing
Top Soil	0 2	
Sandy	2 40	
SANDSTONE	40 45	
MICA	45 55	
SANDSTONE	55 60	
MICA	60 305	

GROUTING RECORD	
WELL HAS BEEN GROUTED (Circle Appropriate Box)	
yes <u>Y</u>	no <u>N</u>
TYPE OF GROUTING MATERIAL	
CEMENT <u>CM</u>	BENTONITE CLAY <u>BC</u>
NO. OF BAGS <u>9</u>	NO. OF POUNDS <u>500</u>
GALLONS OF WATER <u>54</u>	
DEPTH OF GROUT SEAL (to nearest foot)	
from <u>0</u> ft. to <u>32</u> ft.	
(enter 0 if from surface)	

CASING RECORD	
casing types insert appropriate code below	
<u>ST</u>	<u>CO</u>
STEEL	CONCRETE
<u>PL</u>	<u>OT</u>
PLASTIC	OTHER
MAIN CASING TYPE	
Nominal diameter top (main) casing (nearest inch)	Total depth of main casing (nearest foot)
<u>PL</u>	<u>6</u>
<u>60</u>	<u>61</u>
<u>63</u>	<u>64</u>
<u>66</u>	<u>67</u>
<u>68</u>	<u>69</u>
<u>70</u>	

OTHER CASING (if used)	
diameter inch	depth (feet) from to
<u> </u>	<u> </u>
<u> </u>	<u> </u>

SCREEN RECORD		
screen type or open hole insert appropriate code below		
<u>ST</u>	<u>BR</u>	<u>HO</u>
STEEL	BRASS	OPEN HOLE
<u>PL</u>	<u>OT</u>	
PLASTIC	OTHER	

DEPTH (nearest ft.)		
<u>H0</u>	<u>52</u>	<u>305</u>
<u>8</u>	<u>9</u>	<u>11</u>
<u>13</u>	<u>14</u>	<u>15</u>
<u>17</u>	<u>18</u>	<u>19</u>
<u>21</u>	<u>22</u>	<u>23</u>
<u>24</u>	<u>25</u>	<u>26</u>
<u>29</u>	<u>30</u>	<u>31</u>
<u>32</u>	<u>33</u>	<u>34</u>
<u>36</u>	<u>37</u>	<u>38</u>
<u>39</u>	<u>40</u>	<u>41</u>
<u>44</u>	<u>45</u>	<u>46</u>
<u>48</u>	<u>49</u>	<u>50</u>
<u>51</u>		

SLOT SIZE 1 <u> </u> 2 <u> </u> 3 <u> </u>	
DIAMETER OF SCREEN (NEAREST INCH)	
<u> </u>	<u> </u>
<u>56</u>	<u>60</u>

GRAVEL PACK	
IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68	
<u> </u>	

OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER)		
T	(E.R.O.S.)	WQ
<u>70</u>	<u>72</u>	<u>74</u> <u>75</u> <u>76</u>
TELESCOPE CASING	LOG INDICATOR	OTHER DATA

C 3		
PUMPING TEST		
HOURS PUMPED (nearest hour) <u>6</u>		
PUMPING RATE (gal. per min. to nearest gal.) <u>2</u>		
METHOD USED TO MEASURE PUMPING RATE <u>Bucket</u>		
WATER LEVEL (distance from land surface)		
BEFORE PUMPING <u>40</u>		
WHEN PUMPING <u>135</u>		
TYPE OF PUMP USED (for test)		
<u>A</u> air	<u>P</u> piston	<u>T</u> turbine
<u>C</u> centrifugal	<u>R</u> rotary	<u>O</u> other (describe below)
<u>J</u> jet	<u>S</u> submersible	

PUMP INSTALLED	
DRILLER WILL INSTALL PUMP YES <u>NO</u>	
IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE	
TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX - SEE ABOVE: <u> </u>	
CAPACITY: GALLONS PER MINUTE (to nearest gallon) <u> </u>	
PUMP HORSE POWER <u> </u>	
PUMP COLUMN LENGTH (nearest ft.) <u> </u>	
CASING HEIGHT (circle appropriate box and enter casing height)	
<u>+</u> above	LAND SURFACE <u>2</u> (nearest foot)
<u>-</u> below	

LOCATION OF WELL ON LOT	
SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)	
<u>50' well 325' ROAD</u>	
<u>0' 275'</u>	
<u>DIV. HERE</u>	

CIRCLE APPROPRIATE LETTER	
<u>A</u> A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED	
<u>E</u> ELECTRIC LOG OBTAINED	
<u>P</u> TEST WELL CONVERTED TO PRODUCTION WELL	
I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 10.17.13 "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 IDENT. NO. <u>273</u>	
<u>Ralph Mays</u>	
DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)	
<u>Ralph Mays</u>	
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)	

COUNTY

Page _____ of _____
Date June 2/88

Review OK'd 7/21/88

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 81-2743

Location of property (road) TWELVE HILLS RD

Subdivision TWELVE HILLS II

Lot 20 Block _____ Plat _____ Sec. _____

Well Driller RALPH MAYNE

Owner ALLEN SAGER

Depth of well 305'

Distance of measuring point (M.P.) above ground 2 ft

Static water level (S.W.L.) below M.P. 40 ft

I. High rate pumping -- reservoir drawdown

Time pump started 9:00

Pumping rate 9 G.P.M.

Total time 30 min to reach pumping water level 135 ft. below M.P.

II. Recovery pump test data - observations to be recorded every 15 minutes

TIME (in 15 minute intervals)	WATER LEVEL below M.P.	PUMPING RATE: time to fill 5 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
9:30	135'	30 sec		2 G.P.M.
9:45	135'	30		2
10:00	135'	30 sec		2 G.P.M.
10:15	135'	30 sec		2
10:30	135'	30		2
10:45	135'	30 sec	2 x 60 = 120 gal	2 G.P.M.
11:00	135'	30		2
11:15	135'	30 sec	x2 240	2 G.P.M.
11:30	135'	30	142	2
11:45	135'	30 sec	95' (382)	2 G.P.M.
12:00	135'	30 sec	1.5	2 G.P.M.
12:15	135'	30 sec	47.5	2 G.P.M.
12:30	135'	30 sec	95	2 G.P.M.
12:45	135'	30 sec	142.5	2 G.P.M.
1:00	135'	30 sec		2 G.P.M.
1:15	135'	30 sec		2 G.P.M.
1:30	135'	30 sec	depth of pump	2 G.P.M.
1:45	135'	30 sec	amplifier	2 G.P.M.
2:00	135'	30 sec	sufficient	2 G.P.M.
2:15	135'	30 sec	no	2 G.P.M.
2:30	135'	30 sec		2 G.P.M.
2:45	135'	30 sec		2 G.P.M.
3:00	135'	30 sec		2 G.P.M.
3:15	135'	30 sec		2 G.P.M.

54' PL 370 rpm 9 bags

5:30 / 3:54 30 sec 26 P.M.

WELL
HO-81-2743

13025 TWELVE HILLS, LOT 20 SEC 2
DRAWING BY MARYLAND POOLS

