

8/26/93
8/27/93 11:00 ✓
1:00 ✓
2:30 ✓

03-313433

PERMIT

File *Logged*

SEWAGE DISPOSAL SYSTEM

P 49499

A 38644

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

DISTRICT 3rd

HOWARD COUNTY HEALTH DEPARTMENT

DATE 8/5/93

BUREAU OF ENVIRONMENTAL HEALTH
461-9933 313-2640

INDEXED

DATE SYSTEM APPROVED 8/27/93

INSPECTOR C.B.A

Paul Schissler/South Carroll Backhoe IS PERMITTED TO INSTALL ALTER

ADDRESS 4410 Salem Bottom Road, Westminster, Maryland 21157 PHONE 875-4197

SUBDIVISION Willow Highland LOT 20 ROAD 13331 Pipes Lane

PROPERTY OWNER Warren E & Vicky Harmis

ADDRESS _____

SEPTIC TANK CAPACITY 1250 GALLONS INSTALL: 2-1000 Gal. Septic Tanks in Series.

NUMBER OF BEDROOMS 4 CONTRACTOR TO CONTACT HEALTH DEPARTMENT FOR TRENCH LAYOUT INSPECTION PRIOR TO BEINNING EXCAVATION.

210 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 210

TRENCHES - Trench to be 2 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 7 feet below original grade. Effective area begins at 3 feet below original grade. 4 feet of stone below distribution pipe.

LOCATION - Place distribution box 120 feet from the rear lot line and 80 feet from right line. Run trenches on contour toward rear lot line.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. OK 7/23/92 RH

PLANS APPROVED BY C. Williams REVISED DATE 6/29/92

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 125

NOTE: CLEANOUT REQUIRED EVERY 70 FEET OF SEWER LINE AND/OR AT 90° SWEEPS IN LINES FROM HOUSE TO DRAIN FIELDS, 90° ELBOWS NOT ACCEPTABLE.

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

NOTE: IF DEEP TRENCH(ES) ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH(ES)

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 35/40 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 PVA 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**

A 38644

APPLICATION

PERCOLATION TESTING

A 38644
P _____

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

DISTRICT _____
DATE _____

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 WARREN E. HARRIS

ADDRESS _____ PHONE 795-6709

PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Willow Highlands LOT NO. 20

ROAD AND DESCRIPTION 13331 Pipes Lane

TAX MAP _____ PARCEL # _____

SIZE OF LOT _____ TYPE BLDG. _____
(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.

(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 2-6-91 Recommend shallow system - DEN

BLDG. PERMIT SIGNED

AND RETURNED 6/29/92

Serial # 44048

SFD - 4 Behron

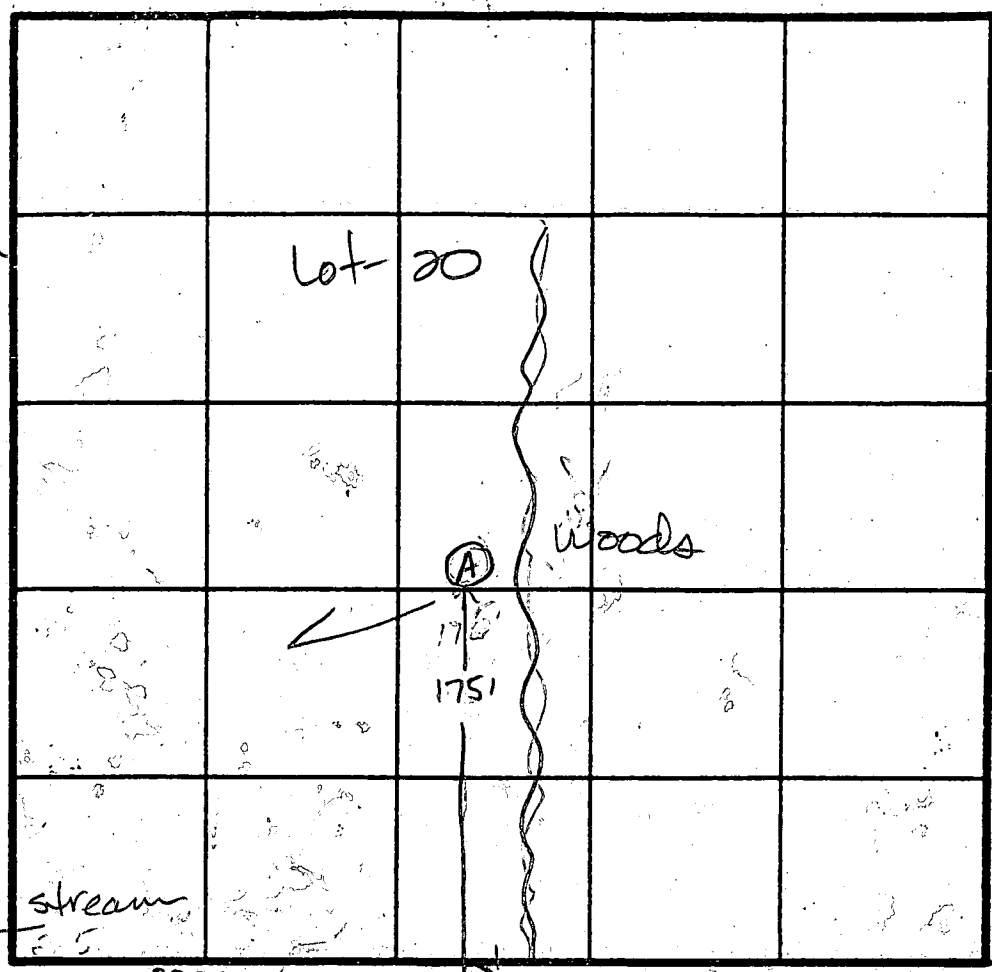
THIS IS NOT A PERMIT

HD-216

Lot A 38644

(A)
SOIL PROFILE

0-2.0 Ok br sil loam
 2.0-4.0 Tan sil
 4.0-9.5 Br sil, relief structure of weathered saprolite apparent
 9.5-14.0 Br mottled sa sil, trace of relief structure
 water at 9.5 ft
 14.0 Bottom



25' INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.
 Pipes Lane

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
2-6-91	A	14.0 ft	Mottled sil at 9.5 ft		water at 9.5 ft		

REMARKS Mottles and water at 9.5 ft, shallow system.

TYPE OF SOIL _____

TESTED BY Jane E. Nadesan ALSO PRESENT O. Ketterman, Jr.

APPLICATION

PERCOLATION TESTING

A 386⁴⁴

P _____

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

DISTRICT 3

DATE 12-16-1986

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 WILLOW SPRINGS LIMITED PARTNERSHIP
16801 WESLEY CHAPEL ROAD
ADDRESS MONKTON, MARYLAND 21111 PHONE 347-8700

PROSPECTIVE BUYER _____
ADDRESS _____ PHONE _____

PROPERTY LOCATION:
SUBDIVISION Highlands
WILLOW SPRINGS GOLF COURSE LOT NO. 20
ROAD AND DESCRIPTION N/S U.S. RTE 70 N AT LIVE STOCK ROAD

TAX MAP 9 & 15 PARCEL # 151 & 11
SIZE OF LOT 3.4 Ac. ± TYPE BLDG. S.F.D.
(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.

WILLOW SPRINGS INC Gen Partner
Thomas C. B...
(SIGNATURE OF APPLICANT)

APPROVED BY Sichay Abul FOR Steward French DATE 8-7-89

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

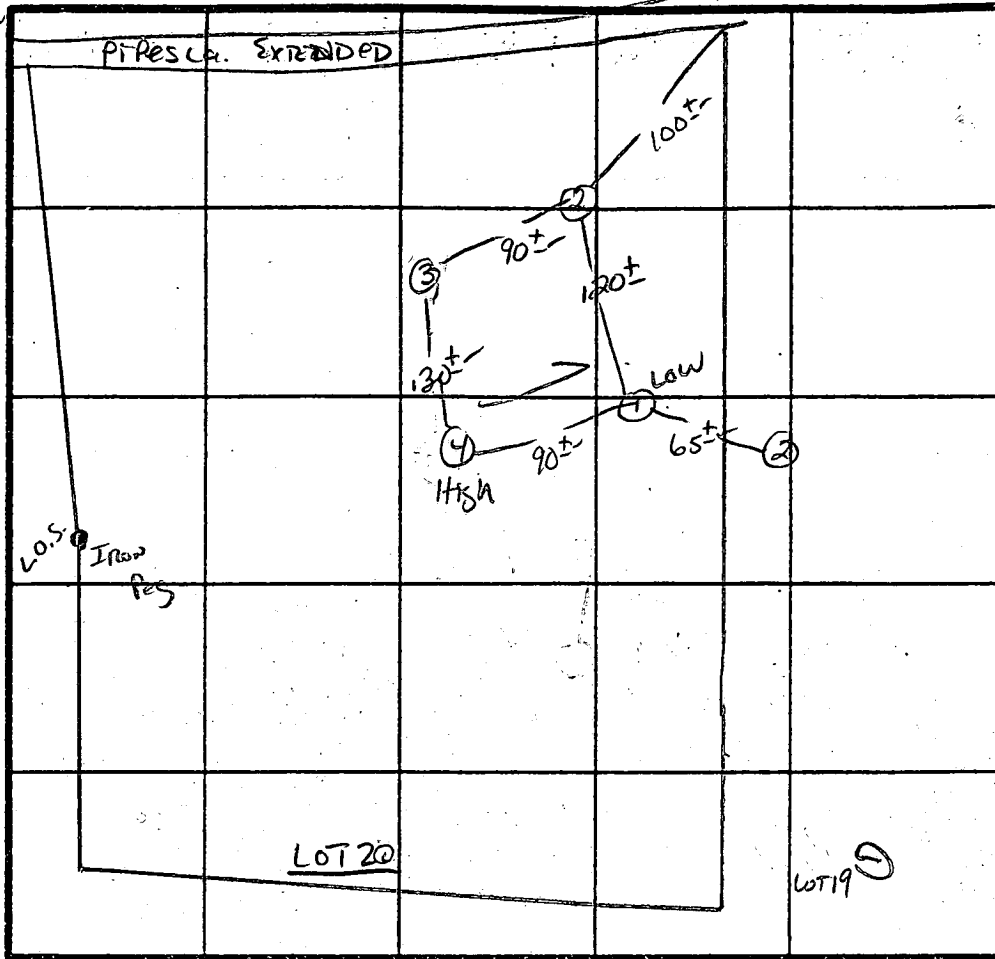
REASONS FOR REJECTION OR HOLDING 4-15-87 Perc SATISFACTORY; Hold for Subdivision PLAT - SAH

THIS IS NOT A PERMIT

A 38644

LOT 23

ANNANDALE



① - ④
SOIL PROFILE

0	A1-3
6 1/4	Yellow BL Silt Loam 9-12% CLAY 15-20% FRAGS
3.5-4	Yellow BL Silty SAND Loam 20-25% FRAGS

3.5-4

12.5-13

̄ Perc 3 min
Inlet 3'
Bottom 5'
180 φ/BR

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1' DROP		TIME
			START	STOP	START	STOP	
4/15/67	1 S	4"	2:56	2:57	2:57	3:00	3 min
	1 V	13" UNIFORM SOIL below			3:5-		
	2 S	3.5"	3:01	3:02	3:02	3:05	3 min
	2 V	13" UNIFORM SOIL below			3:5-		
	3 V	12.5" UNIFORM SOIL below					
	4 S	4"	3:09	3:10	3:10	3:13	3 min
	4 M	7"	3:10	3:11	3:11	3:14	3 min
	4 V	13" UNIFORM SOIL below			3:5-		

REMARKS HOLES PER PLAT / Shallow Sust. only

TYPE OF SOIL CHESTER

TESTED BY S. Abel ALSO PRESENT O-KETTICIAN DAVE

EH-12-1079



HOWARD COUNTY HEALTH DEPARTMENT

Joyce M. Boyd, M.D., County Health Officer

August 17, 1993

Reply to:

NOT SENT DISCUSSED IN OFFICE

S. F. Contractors, Inc.
3368 Brantly Court
Glenwood, Maryland 21738
Attention: Steve Forney

RE: Building Permit Application
Serial Number: 44048
Willow Springs - Lot 20
13331 Pipes Lane

House location changes investigated 8/17/93 CW

Dear Mr. Forney:

This is to advise that on August 12, 1993, a STOP WORK ORDER was issued for the septic system on the above referenced property.

The septic system could not be installed as planned because of an apparent shift in house location. The approved site plan was for a house located within 80 feet from the front lot line; the measured distance in the field was some 135 feet from that point. The impact to the sewage disposal easement appears to be severe.

Please contact this office to schedule a conference to discuss means for remediation. A copy of the original building permit site plan and a copy of the "wall check" certification drawing to the same scale as the site plan, should be brought to the conference.

If you have any questions relative to this matter, please call me at 313-2640.

Very truly yours,

Craig Williams

Craig Williams, Program Director
Water and Sewerage Program

CW:jr

Enclosures

cc; Heiges Brothers, Architect
South Carroll Backhoe, Septic Contractor
Mr. and Mrs. Warren Harmis
Department of Licenses and Permits
File

B 1 **7969** SEQUENCE NO. (DP USE ONLY)
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

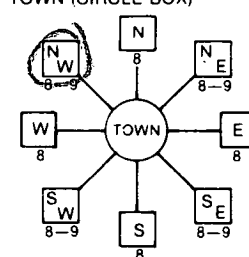

STATE OF MARYLAND
 PERMIT TO DRILL WELL
 please print or type

STATE PERMIT NUMBER
HO-98-0967
 fill in this form completely

Date Received (APA) **062989**
 OWNER INFORMATION
WILLOW SP LIMITED
 15 Last Name Owner First Name 34
16801 WESTLEY CH RD
 36 Street or RFD 55
MONTGOMERY **MD21111**
 57 Town 70 State 72 Zip 76

B 3 LOCATION OF WELL
HOWARD 8 COUNTY 21
WILLOW HIGHLANDS 23 SUBDIVISION 42
 SECTION **1** 44 46 LOT **20** 48 50
WEST FRIENDSHIP 52 NEAREST TOWN 71
 MILES FROM TOWN (enter 0 if in town) **1** 73 76 77 78

DRILLER INFORMATION
Ralph Mayne 77 License No. **073** 80
Ralph Mayne well Drilling
 Firm Name 81
9120 Brown Church Rd NHAIR
 Address 82
Ralph Mayne **6/13/89**
 Signature Date

B 4
 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)

 NEAR WHAT ROAD **PIPES LA** 11 30
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

 DISTANCE FROM ROAD **45** 34 37
 ENTER FT or MI **FT** 38 39

B 2 WELL INFORMATION
 APPROX. PUMPING RATE (GAL. PER MIN.) **5** 1 8 12
 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) **500** 14 20

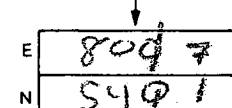
USE FOR WATER (CIRCLE APPROPRIATE BOX)
 HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)
 FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
 INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT)
 PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL)
 TEST/OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
Howard COUNTY NAME
A 38644 COUNTY NO.
 STATE SIGNATURE _____ INSERT S _____
 DATE ISSUED **080489** **Craig Williams** 41
 43 CO SIGNATURE 48 EXP. DATE 51
 NORTH GRID **541000** 50 55 EAST GRID **0807000** 57 63

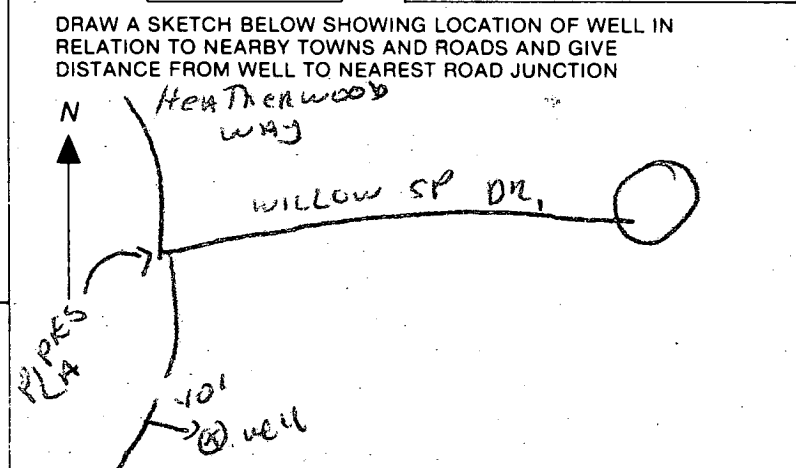
APPROXIMATE DEPTH OF WELL **150** 24 28 FEET

APPROXIMATE DIAMETER OF WELL **6** 30 34 INCH NEAREST INCH

METHOD OF DRILLING (circle one)
 BORED (or Augered) JETTED Jetted & DRIVEN
 AIR-ROTARY AIR-PERCussion ROTARY (Hydraulic Rotary)
 CABLE REVERSE-ROTARY DRIVE-POINT
 other _____

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X
 SOURCES OF DRILLING WATER
 1. well
 2.
 3.
 WRITE THE BOX NUMBER FROM THE MAP HERE

 000 000

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)
 THIS WELL WILL NOT REPLACE AN EXISTING WELL
 THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED
 THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY
 THIS WELL WILL DEEPEM AN EXISTING WELL
 PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) _____ 41 52



Not to be filled in by driller (OEP USE ONLY)
 APPROP. PERMIT NUMBER _____ 54 63
 FORCE **CL** WRITE INITIALS IN BOX 67 68 PERMIT No. **HO-98-0967** 70 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS

C1 **1090** SEQUENCE NO. (DENV USE ONLY)
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

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.

COUNTY NUMBER **A-38644**

ST/CO USE ONLY
 DATE Received **06/28/89**

DATE WELL COMPLETED **06/30/89**

Depth of Well **145**
 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL"
01-99-0967

OWNER **W. J. Friendship** last name **Friendship** first name **W. J.** TOWN **Friendship**
 STREET OR RFD _____ SUBDIVISION _____ SECTION _____ LOT **20**

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		Check if water bearing
	FROM	TO	
Top Soil	0	2	
Sandy	2	25	✓
SANDSTONE	25	30	
MICKA	30	45	
SANDSTONE	45	50	✓
MICKA	50	145	

GROUTING RECORD
 WELL HAS BEEN GROUTED (Circle Appropriate Box) **Y** **N**
 TYPE OF GROUTING MATERIAL
 CEMENT **CM** BENTONITE CLAY **BC**
 NO. OF BAGS **9** NO. OF POUNDS **900**
 GALLONS OF WATER **54**
 DEPTH OF GROUT SEAL (to nearest foot)
 from **0** ft. to **20** ft.
 (enter 0 if from surface)

CASING RECORD
 casing types insert appropriate code below
ST **CO** STEEL CONCRETE
PL **OT** PLASTIC OTHER
 MAIN CASING TYPE **PL** Nominal diameter top (main) casing (nearest inch) **6** Total depth of main casing (nearest foot) **145**

OTHER CASING (if used)
 diameter inch _____ depth (feet) from _____ to _____

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

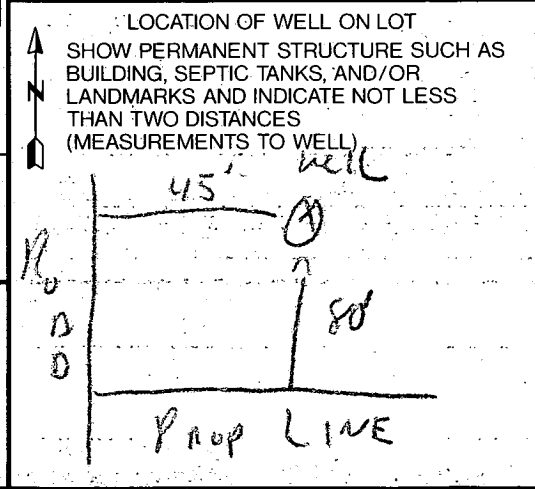
C2
 DEPTH (nearest ft.) **HO** **34** **145**
 SLOT SIZE 1 _____ 2 _____ 3 _____
 DIAMETER OF SCREEN _____ (NEAREST INCH)
 from _____ to _____

GRAVEL PACK _____
 IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER)
 T (E.R.O.S.) _____ W Q _____
 70 _____ 72 _____ 74 75 76 _____
 TELESCOPE CASING LOG INDICATOR OTHER DATA

C3
PUMPING TEST
 HOURS PUMPED (nearest hour) **3**
 PUMPING RATE (gal. per min. to nearest gal.) **10**
 METHOD USED TO MEASURE PUMPING RATE **Bucket**
 WATER LEVEL (distance from land surface)
 BEFORE PUMPING **24**
 WHEN PUMPING **33**
 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 WILL INSTALL PUMP YES NO
 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:
 CAPACITY: GALLONS PER MINUTE (to nearest gallon) _____
 PUMP HORSE POWER _____
 PUMP COLUMN LENGTH (nearest ft.) _____
 CASING HEIGHT (circle appropriate box and enter casing height)
+ above } LAND SURFACE **6** (nearest foot)
- below }



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 WELL

I 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 IDENT. NO. **273**
Nath. Maye
 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)
 SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

SEPTIC FIELD KEY



DONATES ORIGINAL FIELD



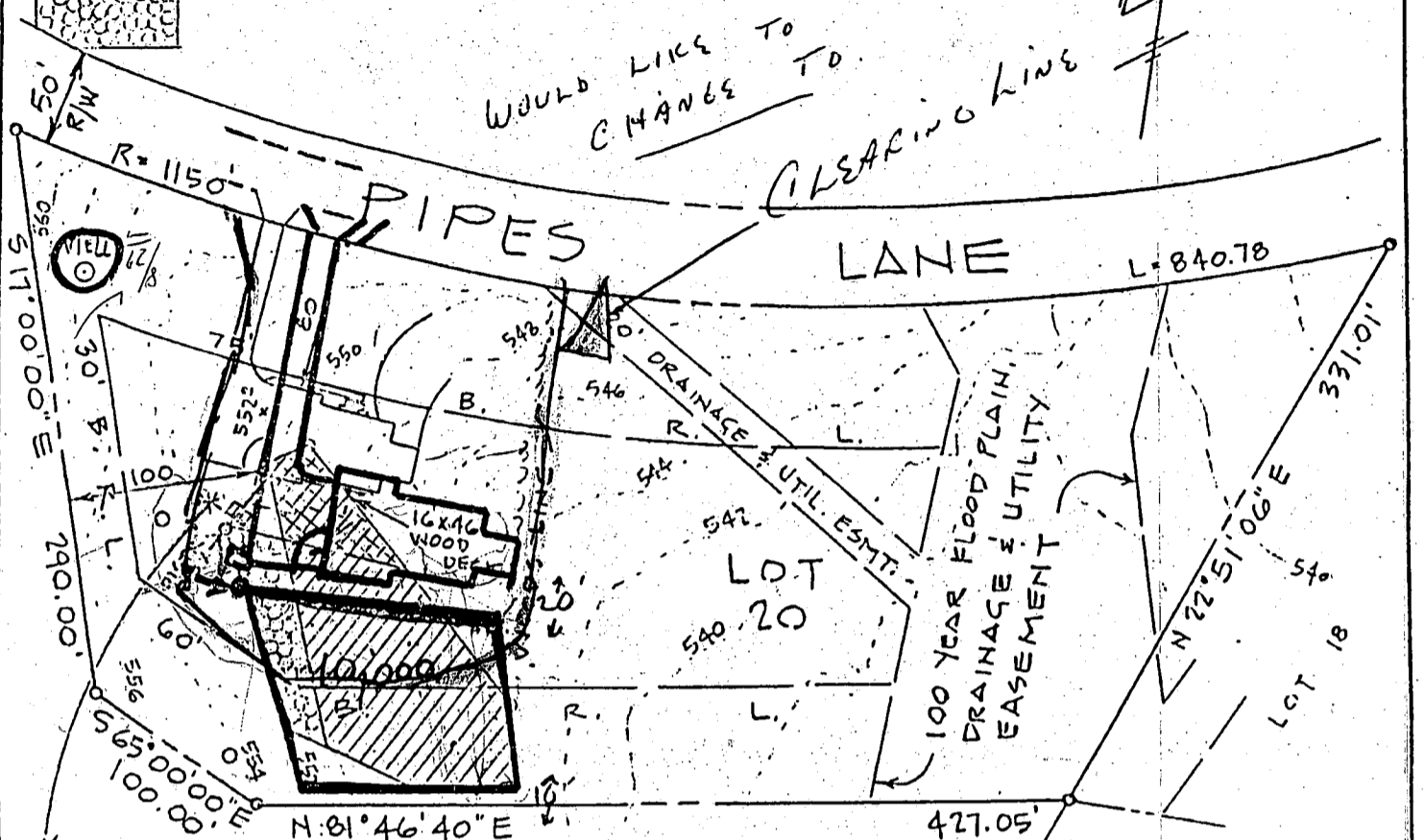
DONATES AREA TO BE REMOVED



DONATES AREA TO BE ADDED

WALL CHECK SHOWS CURB HOUSE EAST

WOULD LIKE TO CHANGE TO CLEARING LINE



* OPTIONAL DUAL SEPTIC TANKS AS NEEDED PER CRAIG WILLIAMS - HO. CO. HEALTH DEPT. NOTE.

SAME ↓

1. RECORD PLAT NO 7917
2. LOT AREA: 3.734 AC.±
3. PROPERTY ADDRESS: 13331 PIPES LANE
4. HOUSE TYPE: 2 STORY BRICK & FRAME WITH FULL BSMT.

SEPTIC DATA		
HOUSE FIN. FL.		554.0 ±
" BSMT		544.7
SEPTIC INV. IN		550.0
TANK INV. OUT		549.7
" FIN. GR.		552.0
DISTRIB. INV. IN		549.5
BOX FIN. GR.		552.0
WATER WELL FIN. GR.		558.0
SEWER INV. @ HOUSE		550.0 ±

NOTE: TRENCH LENGTH TO BE DETERMINED AT TIME OF SEPTIC PERMIT ISSUANCE -

Architectural Committee
Willow Highlands at
Willow Springs Golf Course
 Approved
 Approved as Noted
Willow Springs, Inc.

By [Signature]

S.F. CONTRACTORS, INC.
3368 BRANTLEY COURT
GLENWOOD, MD. 21738
PHONE: 442-1751

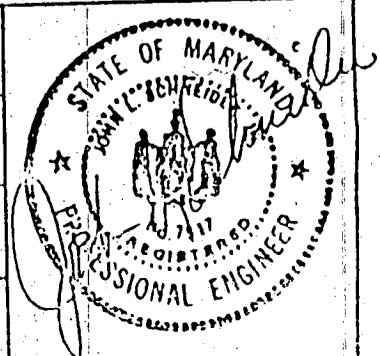
ENGINEER
JOHN L. SCHNEIDER, P.E.
100 N. ROLLING RD.
CATONSVILLE, MD. 21228
301-744-1945

GRADING STUDY

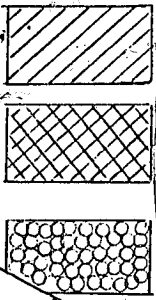
LOT 20 "WILLOW SPRINGS"
3RD ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

SCALE: 1" = 100'

DATE: MAY 12, 1992



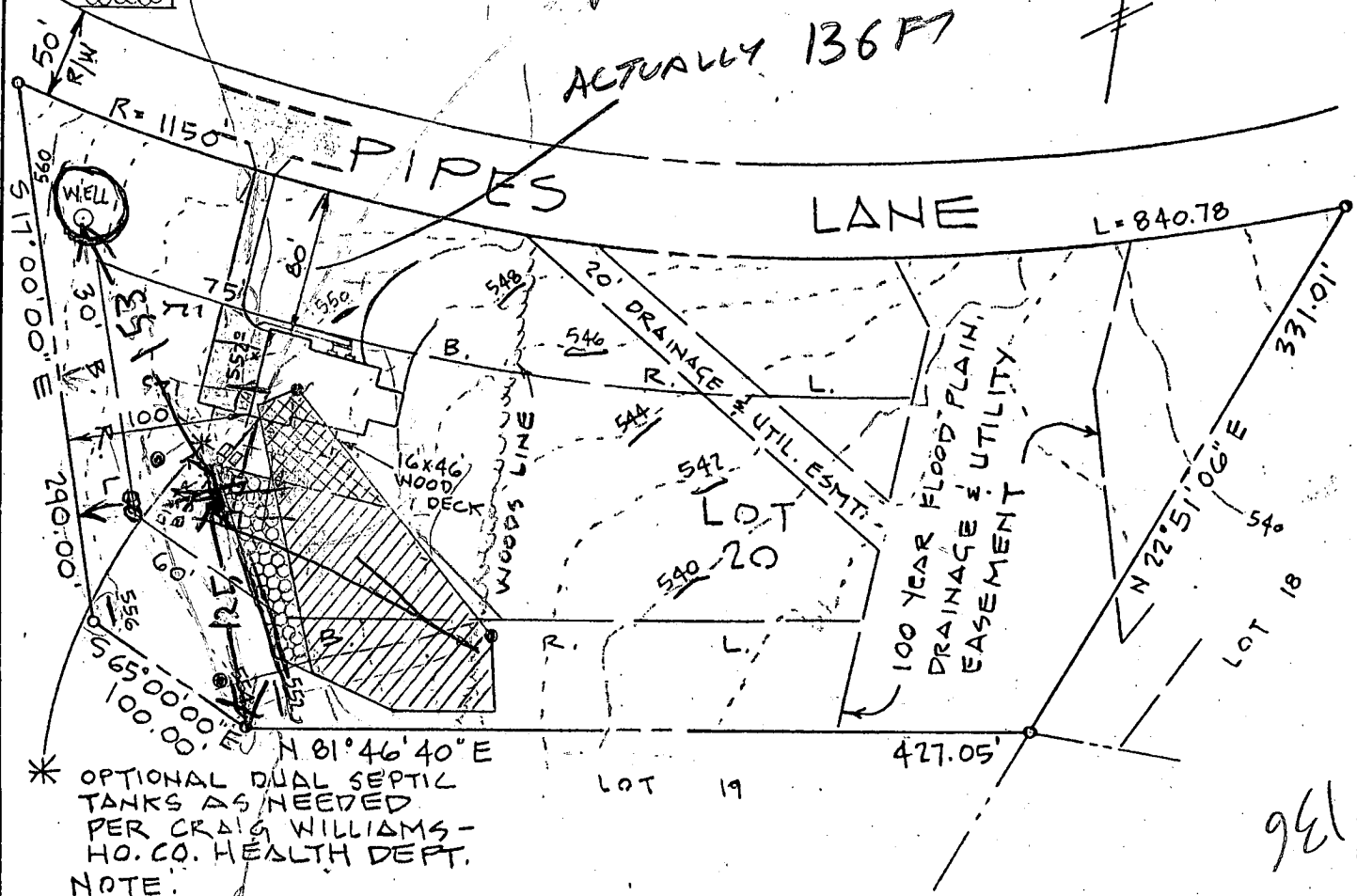
SEPTIC FIELD KEY



DONATES ORIGINAL FIELD

DONATES AREA TO BE REMOVED

DONATES AREA TO BE ADDED



* OPTIONAL DUAL SEPTIC TANKS AS NEEDED PER CRAIG WILLIAMS - HO. CO. HEALTH DEPT. NOTE.

1. RECORD PLAT NO 7917
2. LOT AREA: 3.734 AC.±
3. PROPERTY ADDRESS: 13331 PIPES LANE
4. HOUSE TYPE: 2 STORY BRICK & FRAME WITH FULL BSMT.

SEPTIC DATA	
HOUSE FIN. FL.	554.0
" BSMT	544.1
SEPTIC INV. IN TANK	550.0
INV. OUT	549.1
" FIN. GR.	552.0
DISTRIB. INV. IN BOX	549.5
FIN. GR.	552.0

WATER WELL FIN. GR. 558.0
SEWER INV. @ HOUSE 550.4

NOTE: TRENCH LENGTH TO BE DETERMINED AT TIME OF SEPTIC PERMIT ISSUANCE -

Elevations OK!
TANK & TRENCHES TO BE INSTALLED FURTHER FROM HOUSE THAN SHOWN ON THIS PLAN TO PROVIDE ADEQUATE SEPARATION FROM DECK.

BUILDER

6/29/92
C. Wells

B.P. # 44048
ENGINEER

S.F. CONTRACTORS, INC.
3368 BRANTLY COURT
GLENWOOD, MD. 21738
PHONE: 442-1751

see other side
Hold for review with
01/24/93 RH

JOHN L. SCHNEIDER, P.E.
100 N. ROLLING RD.
CREATONSVILLE, MD. 21228
301-744-1945

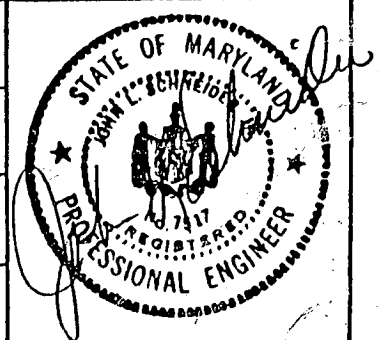
GRADING STUDY

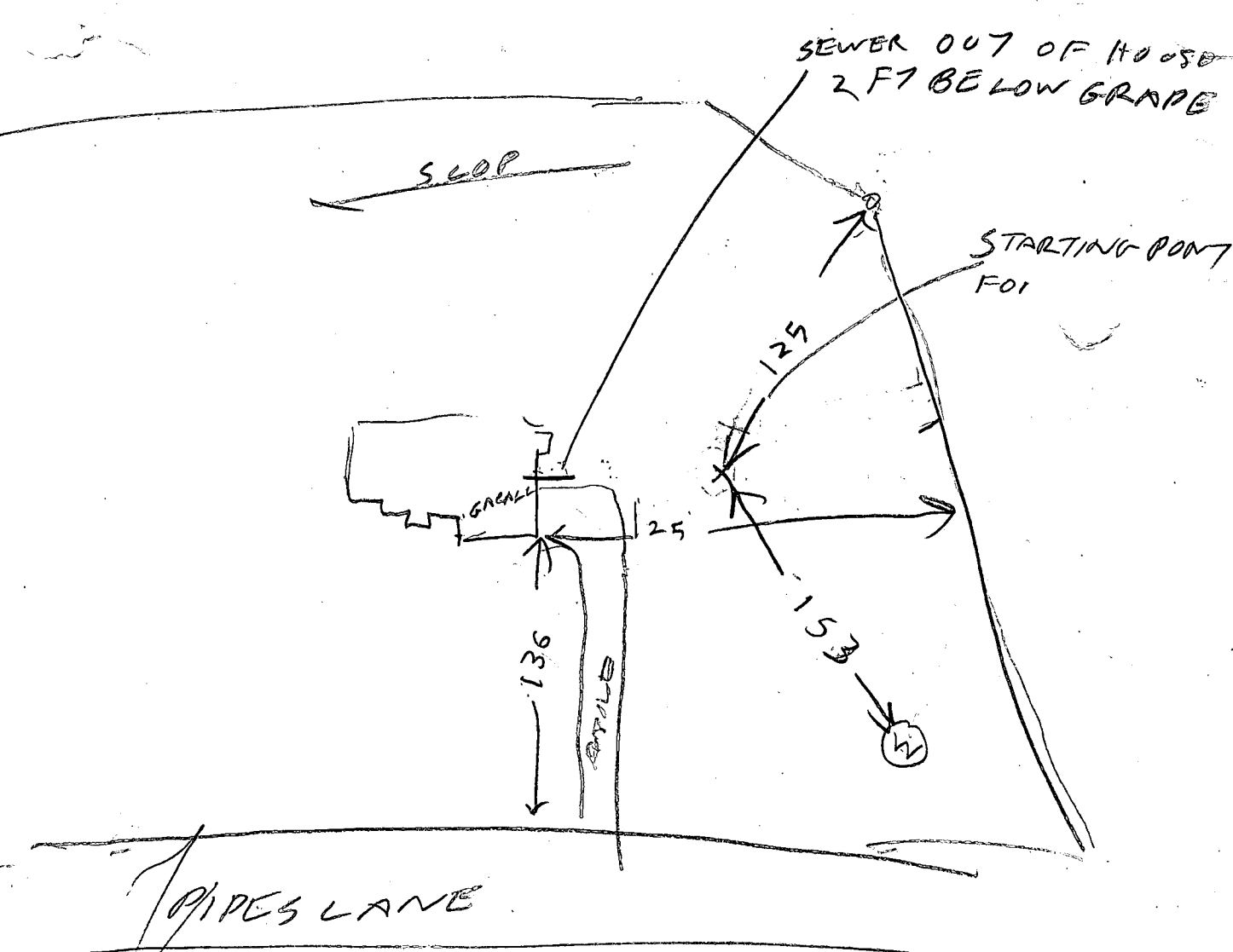
LOT 20 "WILLOW SPRINGS"

3RD ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

SCALE: 1"=100'

DATE: MAY 12, 1992





8/12/93

- ① Difficulty in finding place to set tanks because House not in same place as shown in Plans
- ② May Have to use pump system
- ③ Tanks may be put in driveway
- ④ May not be possible to install trench with an inlet only 3 FT deep
- ⑤ House encroaches on sewage easement
- ⑥ Talked to Kenney Tanks not installed Held for further discussion to decide best solution to problem

8/17

92 JUN 25 AM 11:28

RECEIVED
HOWARD COUNTY
HEALTH DEPT.