

05-407249

8-11-89  
AM AS KP  
of Letter AM

# PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

P 44187

A 38584

DISTRICT 5th

HOWARD COUNTY

BUREAU OF ENVIRONMENTAL HEALTH

461-9933

## INDEXED

DATE 5/9/89

DATE SYSTEM APPROVED 8-11-89

INSPECTOR S. Abel

South Carroll Backhoe, Inc. IS PERMITTED TO INSTALL  ALTER

ADDRESS 4410 Salem Bottom Road, Westminster, Maryland PHONE \_\_\_\_\_

SUBDIVISION Twelve Hills ROAD 13019 Twelve Hills LOT 21, Section 2

PROPERTY OWNER Kuang Fan

ADDRESS \_\_\_\_\_

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

GARBAGE GRINDER? YES \_\_\_\_\_ NO

SEPTIC TANK CAPACITY 1000 GALLONS NUMBER OF BEDROOMS 3

TRENCHES - 210 sq. ft. per bedroom. Trench to be 2 feet wide. Inlet 4 feet below original grade. Bottom maximum depth 8 feet below original grade. Effective area begins at 4 feet below original grade. 4 feet of stone below distribution pipe.

LOCATION - Start the first trench 130 feet from the front lot line and 100 feet from the right lot line as seen when facing the lot from Twelve Hills Road. Run trenches on contour toward the right lot line.

NOTE - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. ok/co

PLANS APPROVED BY Sid Abel DATE 3/07/89

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 SPECIFICALLY AUTHORIZED)

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

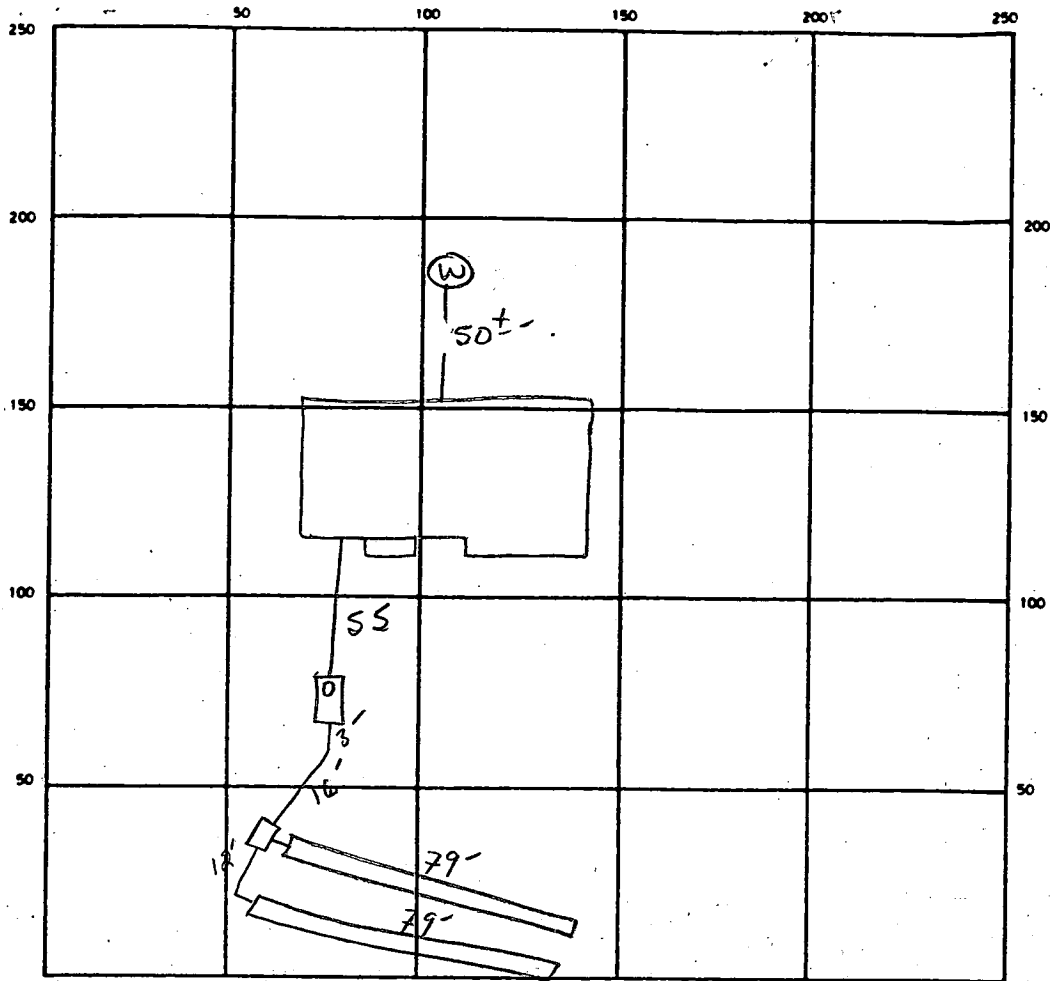
**\*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT**

\*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.

A  
38584

$$\begin{array}{r} 158 \text{ LF} \\ 4 \overline{) 630} \\ \underline{4} \phantom{0} \\ 23 \phantom{0} \\ \underline{20} \\ 30 \end{array}$$

2-80's



INDICATE NORTH NAME ADJOINING ROADWAY AS BASE LINE  
 Twelve Hills Rd

SEPTIC TANK LEVEL 1000 GAL ✓ CLEANOUTS ✓ 51

DISTRIBUTION BOX LEVEL ✓

DRAIN FIELD TILE FIELD DEPTH 8 FT. TRENCH WIDTH 2 FT. INLET DEPTH 4 FT.

EFFECTIVE GRAVEL DEPTH 4 FT. TOTAL LENGTH 79 79 158 FT.

NUMBER OF TRENCHES 2 ONE SIDEWALL BOTTOM AREA 632 SQ. FT.

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

ABSORBENT AREA 632 SQ. FT.

REMARKS 8/11/89 OK TO STONE BOTH TRENCHES. SAH

DATE SYSTEM APPROVED 8-11-89 INSPECTOR S. Abel

A 38584

SUBDIVISION: Twelve Hills  
Sec. 2

LOT NUMBER: 21

DRY WELL OR DRY WELL AND TRENCH

\_\_\_\_\_ sq. ft./bedroom

	<u>Septic Tank</u>	<u>Minimum Total Square Feet</u>
3 bedroom	1000 gallon	_____
4 bedroom	1250 gallon	_____
5 bedroom	1500 gallon	_____

Inlet \_\_\_\_\_ feet below original grade.

Bottom maximum depth \_\_\_\_\_ feet below original grade.

Effective area begins at \_\_\_\_\_ feet below original grade.

NOTE: If trench is used to make up absorbent area, run the trench on level ground and leave a 5-foot earth buffer between dry well and trench. No trench is to exceed 100 feet in length. Trench inlet to be same as dry well, with \_\_\_\_\_ feet of stone below distribution pipe.

TRENCHES

210 sq. ft./bedroom

Trench to be 2 wide.

Inlet 4 feet below original grade.

Bottom maximum depth 8 feet below original grade.

Effective area begins at 4 feet below original grade.

4 feet of stone below distribution pipe.

- NOTE:
- (1) No trench to exceed 100 feet in length.
  - (2) If more than one trench used, a distribution box is required.
  - (3) Trenches to be installed on level ground.
  - (4) Call for inspection of trench before gravel is installed.
  - (5) Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank and drywell.
  - (6) If a garbage disposal is used, increase septic tank capacity by 50% and increase absorbent sidewall area by 22%.

LOCATION: START THE FIRST TRENCH 130 FT FROM THE FRONT LOT  
LINE AND 100 FT FROM THE RIGHT LOT LINE AS SEEN WHEN  
FACING THE LOT FROM TWELVE HILL RD. RUN TRENCHES ON CONTOUR TOWARD  
THE RIGHT LOT LINE. 3-7-89 S.U.L.L.

# APPLICATION

PERCOLATION TESTING

A 38584

P \_\_\_\_\_

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

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 Kuang & Fan

ADDRESS 10176 Baltimore National Pike Suite 210 PHONE 465-5855

PROSPECTIVE BUYER \_\_\_\_\_

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

PROPERTY LOCATION:

SUBDIVISION Altogether Twelve Hills Sec. 2 LOT NO. 29

ROAD AND DESCRIPTION Linden Church Rd + Rt 32

13019 Twelve Hills Rd.

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. Reid*  
(SIGNATURE OF APPLICANT)

APPROVED BY Sid Abel FOR Deep trenches DATE 3-7-89

REJECTED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

HOLD PENDING FURTHER TESTS \_\_\_\_\_ DATE \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING 1-29-87 Perc. Satisfactory; hold for Subdivision Plat-SAW

BLDG. PERMIT SIGNED  
AND RETURNED 3-7-89

BP23952-8K

# THIS IS NOT A PERMIT

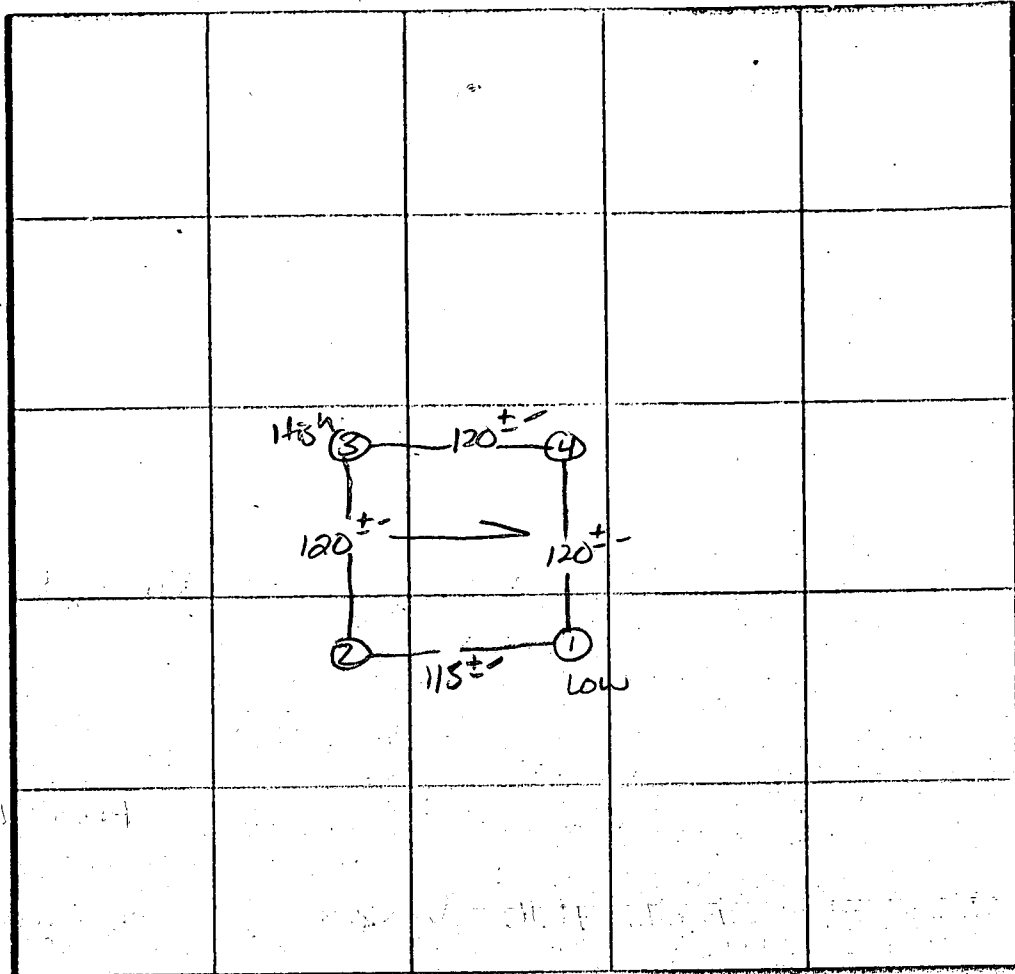
LOT 29

②④  
①③  
SOIL PROFILE

0  
11"  
4"  
14"

AP  
Yell. Red  
Silt Loam  
9-12% clay  
<10% FRASS

Yellow Br.  
Silt Loam  
slightly  
micaceous  
15-20%  
FRASS



$\bar{x}$  Perc 7min  
4' INLET  
8' BOTTOM  
187  $\phi$ /BR  
SYST. BETWEEN  
# 2-3

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE  
LINDEN CHURCH Rd.

DATE	TEST NO.	DEPTH	PREWET		TEST - 1' DROP		TIME	
			START	STOP	START	STOP		
1/29/87	1 S	4"	2:20	2:22	2:22	2:30	8 min	
	1 V	14"	UNIFORM soil below 4"					
	2 S	4.5"	2:21	2:24	2:24	2:30	6 min	
	2 V	14"	UNIFORM soil below 4"					
	3 S	4.5"	2:26	2:30	2:30	2:37	7 min	
	3 M	9"	2:32	2:35	2:35	2:40	5 min	
	3 V	13.5"	UNIFORM soil below 4"					
	4 S	4.5"	2:36	2:39	2:39	2:46	7 min	
	4 V	14"	UNIFORM soil below 4"					

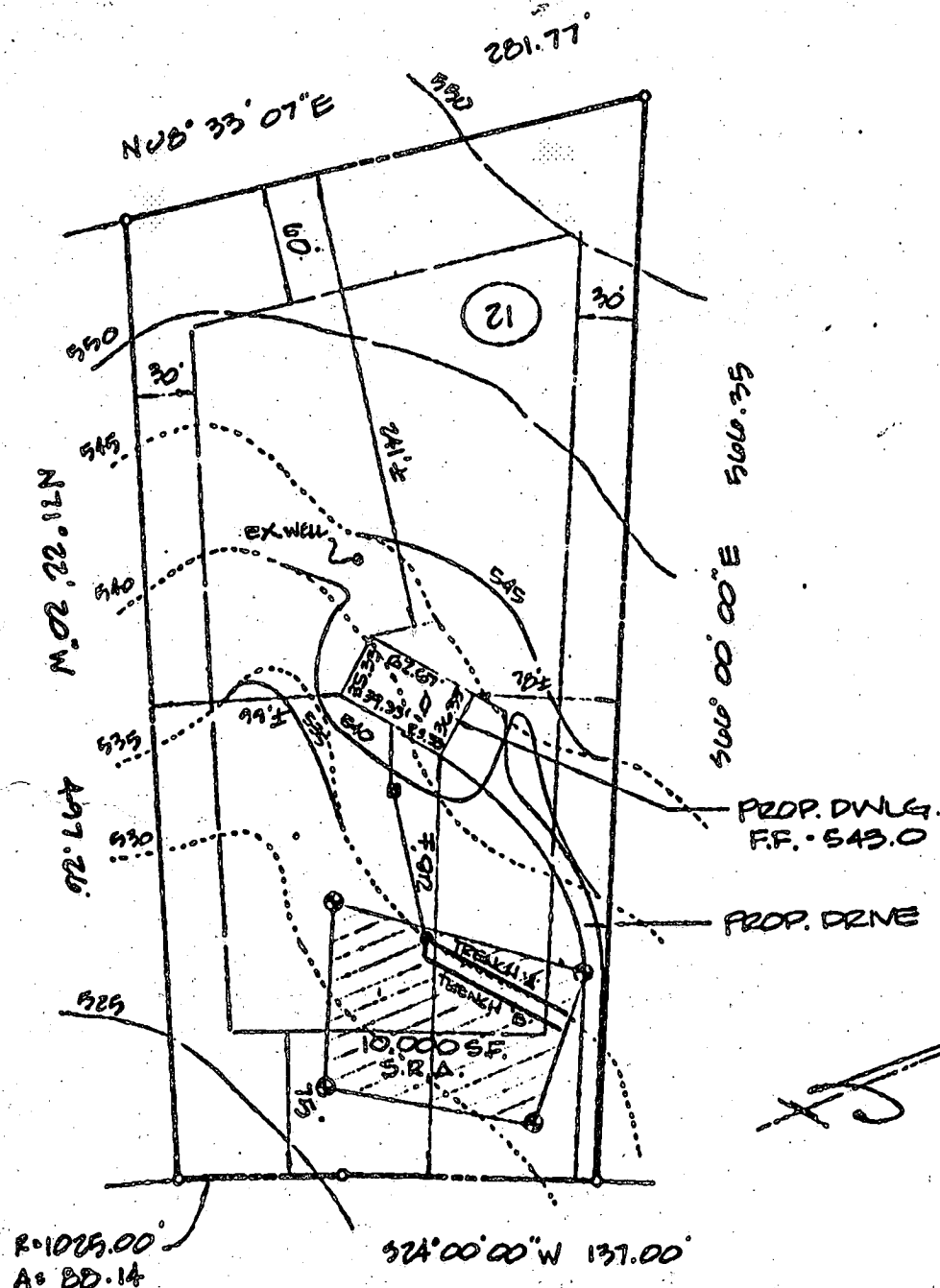
an  
unw  
7 min  
Max  
depth  
4 ft

REMARKS Perced as STAKED ON PLAT

TYPE OF SOIL

TESTED BY: S. ABP ALSO PRESENT: O-KITTEKMAN + Co.

EH 12-1079



TWELVE HILLS ROAD  
(50' R/W)

ENG. PERMIT SIGNED  
AND RETURNED 3-7-87

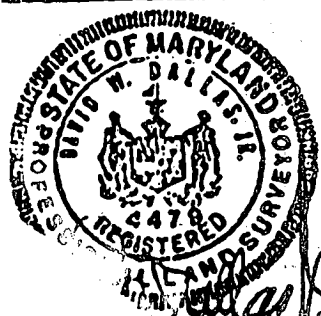
BP 23959  
SAC

- FIRST FLOOR - 543.00 ✓
- INV. OUT of DWLG. - 535.8 ✓
- INV. IN TANK - 535.2 ✓
- INV. OUT of TANK - 535.0 ✓
- INV. IN DIST. BOX - 531.2 ✓
- INV. IN TRENCHES
  - A' - 531.0 ✓
  - B' - 530.0 ✓
- EX. GRADES:
  - TRENCH A' - 535.0 ✓
  - TRENCH B' - 534.0 ✓
  - DIST. BOX - 535.0 ✓
  - TANK - 538.0 ✓

TOPO SHOWN HEREON PER LOT 4  
PRELIMINARY PLAN of "ALTOGETHER"  
AS PREPARED BY FISHER, COLLINS &  
CARTER, INC. DATED APRIL 10, 1987

CONTRACTOR SHALL PROVIDE POSITIVE  
DRAINAGE AWAY FROM FOUNDATION  
AT ALL TIMES.

LOT 21 SEC. TWO Δ 7529  
TWELVE HILLS  
5TH. ELECTION DISTRICT  
HOWARD COUNTY, MD.



LOT # 21 SITE PLAN TWELVE HILLS ROAD

**VT ASSOCIATES, INC.**

SURVEYING & ENGINEERING  
4932 HAZELWOOD AVENUE  
BALTIMORE, MARYLAND 21206  
866-2001

date 2-02-89  
scale 1"=100'  
job no. P-33  
drawn SB  
checked JSD

B 1 **4919** 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-81-2521**  
 fill in this form completely

Date Received (APA) **010788**  
 OWNER INFORMATION  
**ALFREDER LIMITED**  
 15 Last Name 34 Owner First Name  
**10125 BALT RAYL PIKE**  
 36 Street or RFD 55  
**CELLCO + CITYM021043**  
 57 Town 70 State 72 Zip 76

B 3 LOCATION OF WELL  
**HOWARD** 8 COUNTY 21  
**TWELVE HILLS** 23 SUBDIVISION 42  
 SECTION **12** 44 46 LOT **21** 48 50  
**DAYTON** 52 NEAREST TOWN 71  
 MILES FROM TOWN (enter 0 if in town) **2** 73 **MI** 76 77 78

DRILLER INFORMATION  
**KATH MAYRE** 77 License No. 80 **273**  
 Driller's Name  
**KATH MAYRE WELL DRILLING**  
 Firm Name  
**9120 Knowl Church Rd. Mt Airy**  
 Address  
**K. M. Mayre** 1/4/88  
 Signature Date

B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)  
 NEAR WHAT ROAD **TWELVE HILLS ROAD** 11 30  
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)  
 NORTH SOUTH WEST EAST  
**SE**  
 DISTANCE FROM ROAD **3200** 34 37  
 ENTER FT. or MI. **F+** 38 39

B 2 WELL INFORMATION  
 APPROX. PUMPING RATE (GAL. PER MIN.) **5** 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** 30 COUNTY NAME  
**A 28584** COUNTY NO.  
 STATE SIGNATURE \_\_\_\_\_ INSERT S. 41  
 DATE ISSUED **012888** **R. Nivan** **07/28/88**  
 CO SIGNATURE EXP. DATE  
 NORTH GRID **509000** 50 55 EAST GRID **0809000** 57 63

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

APPROXIMATE DIAMETER OF WELL **6"** 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 \_\_\_\_\_

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 GAP \_\_\_\_\_ 63  
 FORCE **(A)** WRITE INITIALS IN BOX PERMIT No. **HO-81-2521** 70 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS

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

E	8009
N	5009

 DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION

RECEIVED  
HOWARD COUNTY  
HEALTH DEPT  
ELICOTT CITY, MD  
JAN 6 9 04 AM '88

3/2/88 110PM

- ① 32 ft open Hole
- ② 36 ft casing 2 ft out of ground
- ③ LOCATION OK
- ④ 9 BAGS
- ⑤ WELLOK

RECEIVED  
HOWARD COUNTY  
HEALTH DEPT  
JAN 6 4 32 PM '88

COORDINATE TABLE

NO.	NORTH	EAST	NO.	NORTH	EAST
827	510555.32	809277.22	1034	510245.55	810764.68
828	510254.15	809354.36	1035	510067.72	811083.41
829	509976.67	809468.11	1036	510370.06	811252.08
830	509695.86	810016.63	830	510334.16	811405.56
831	509553.46	809647.19	747	509401.91	811177.39
832	509244.10	809559.43	746	509275.70	810694.11
833	508932.50	809501.25	744	509450.72	810459.81
834	508667.43	809550.97	783	509358.09	810374.88
835	509238.88	809509.16	780	509258.64	810364.39
836	509233.12	809488.10	900	509484.08	810160.85
837	509434.71	809273.30	758	509175.30	810351.80
838	510057.38	809521.48	759	509262.49	810126.68
839	510070.05	809854.49	761	509255.21	809894.84
840	509866.01	810408.29	682	509835.47	809852.84
841	509652.67	810471.98	876	509855.53	809573.21
842	509413.80	810449.22	885	509870.47	809473.76
843	509113.49	810428.67	887	509691.24	809276.41
1059	509099.81	810225.08	887	509707.84	809067.18
795	510115.73	809214.85	874	509826.87	809075.09
798	510148.71	809462.16	49	509207.74	809075.20
829	510233.81	810000.03	871	509579.00	809180.73
1062	510383.50	810406.02	360	508855.29	809850.71
857	508686.38	809075.01			

100 YEAR FLOOD PLAIN TABULATION

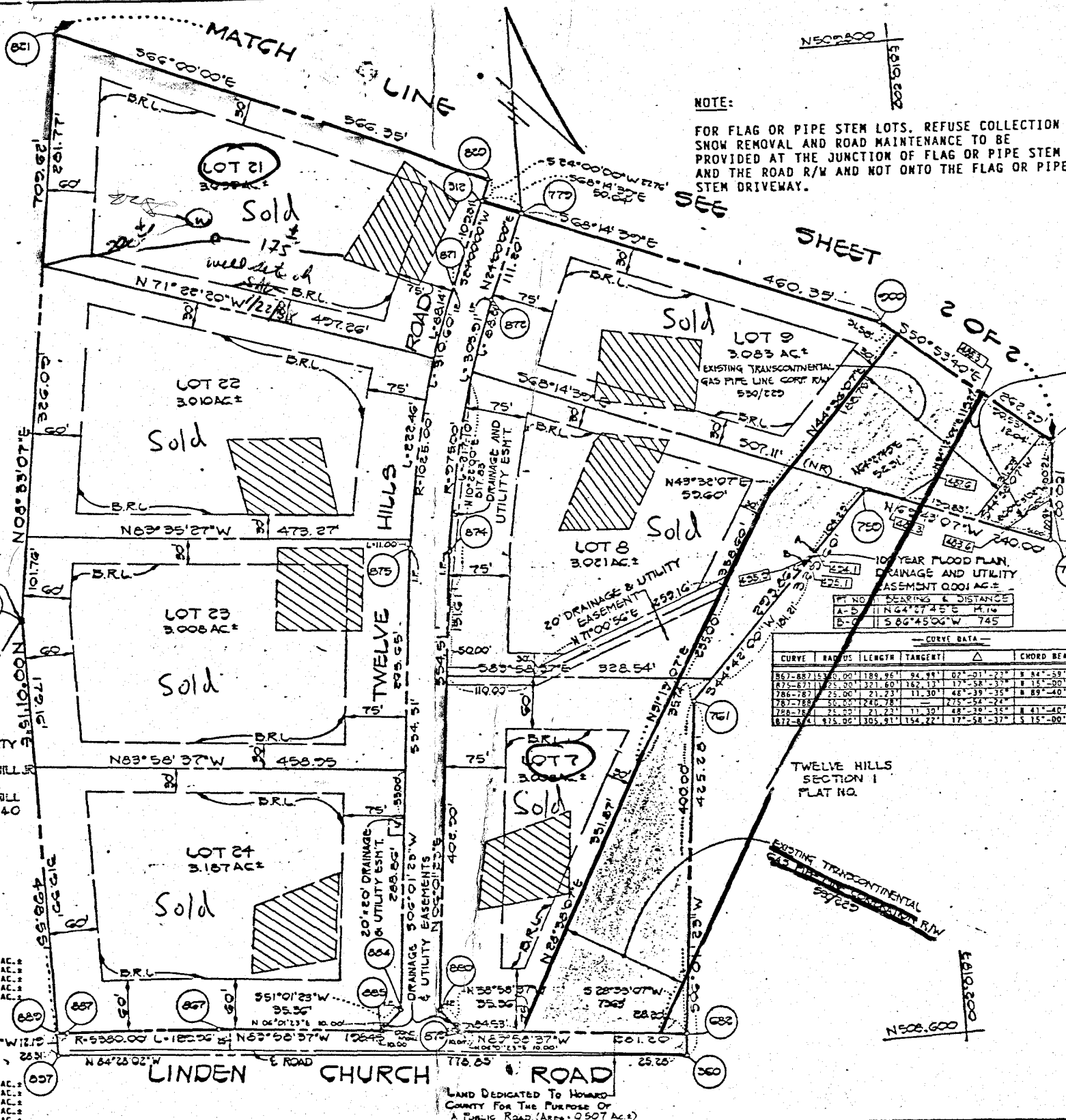
LOT NO.	AREA
LOT 8	0.001 AC.
LOT 9	0.383 AC.
LOT 10	0.073 AC.
LOT 12	0.073 AC.
LOT 13	0.119 AC.
LOT 14	0.537 AC.
<b>TOTAL</b>	<b>1.186 AC.</b>

AREA TABULATION FOR ALL SHEETS

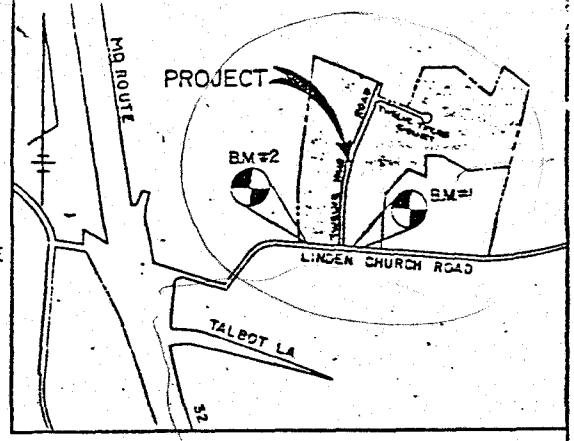
TOTAL NUMBER OF BUILDABLE LOTS TO BE RECORDED	78
TOTAL AREA OF BUILDABLE LOTS	97,252 AC.±
TOTAL AREA OF ROAD DEDICATION TO BE RECORDED	0.507 AC.±
TOTAL AREA OF ROAD R/W TO BE RECORDED	2,724 AC.±
TOTAL AREA OF 100 YEAR FLOODPLAIN	1,186 AC.±
TOTAL AREA OF SUBDIVISION TO BE RECORDED	80,483 AC.±

AREA TABULATION - SHEET 1 OF 2

TOTAL NUMBER OF LOTS TO BE RECORDED	7
TOTAL AREA OF LOTS	21,356 AC.±
TOTAL AREA OF ROADWAY TO BE RECORDED	1,166 AC.±
TOTAL AREA OF ROADWAY DEDICATION	0.507 AC.±
TOTAL AREA OF 100 YEAR FLOODPLAIN	8.384 AC.±
TOTAL AREA TO BE RECORDED	23,029 AC.±



NOTE: FOR FLAG OR PIPE STEM LOTS, REFUSE COLLECTION SNOW REMOVAL AND ROAD MAINTENANCE TO BE PROVIDED AT THE JUNCTION OF FLAG OR PIPE STEM AND THE ROAD R/W AND NOT ONTO THE FLAG OR PIPE STEM DRIVEWAY.



- NOTES:
- THIS AREA DESIGNATES A PRIVATE SEWER EASEMENT OF 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF HEALTH AND MENTAL HYGIENE FOR INDIVIDUAL SEWER DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWER IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWER SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENTS INTO THE PRIVATE SEWER EASEMENT. RECORDATION OF A MODIFIED SEWER EASEMENT SHALL NOT BE NECESSARY.
  - THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF HEALTH AND MENTAL HYGIENE.
  - SUBJECT PROPERTY ZONED "R" PER 8/2/85 COMPREHENSIVE ZONING PLAN.
  - 100' ± - DENOTES APPROXIMATE ELEVATION OF 100 YEAR FLOOD LEVEL.
  - THE COORDINATES SHOWN HEREON ARE BASED ON THE MARYLAND STATE GRID SYSTEM AND DERIVED FROM THE FOLLOWING HOWARD COUNTY CONTROL STATIONS:  
STA. 2836001 N 508630.95  
E 809498.38  
STA. 2835001 N 508373.27  
E 807789.01
  - I.P. - DENOTES IRON PIPE SET.
  - DENOTES CONCRETE MONUMENT SET.
  - THIS PLAN IS SUBJECT TO VP-87-76.

CURVE DATA

CURVE	RADIUS	LENGTH	TANGENT	Δ	CHORD BEARING & DISTANCE
667-667	130.00	189.96	94.98	07°-01'-23"	N 84°-39'-18" W, 189.96
673-673	25.00	32.16	16.08	17°-58'-33"	N 15°-20'-42" E, 32.16
786-787	25.00	21.23	11.30	48°-39'-35"	N 89°-40'-12" E, 20.60
787-787	25.00	28.28	14.14	27°-54'-24"	N 62°-05'-36" W, 28.28
788-788	25.00	21.23	11.30	48°-39'-35"	N 89°-40'-12" W, 20.60
872-872	130.00	189.96	94.98	07°-01'-23"	N 84°-39'-18" W, 189.96

FISHER, COLLINS AND CARTER, INC.  
CIVIL ENGINEERS AND LAND SURVEYORS  
8300 COURT AVENUE  
ELICOTT CITY, MARYLAND 21043  
TEL: (301) 467-2555

OWNER AND DEVELOPER  
ALTOGETHER LIMITED PARTNERSHIP  
C/O HOWARD COUNTY LAND SERVICES INC.  
8307 MAIN STREET  
ELICOTT CITY, MARYLAND 21043

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.

HOWARD COUNTY HEALTH OFFICER \_\_\_\_\_ DATE \_\_\_\_\_

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.

DIRECTOR \_\_\_\_\_ DATE \_\_\_\_\_

APPROVED: FOR STORM DRAINAGE SYSTEMS, AND PUBLIC ROADS. HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.

DIRECTOR \_\_\_\_\_ DATE \_\_\_\_\_

OWNER'S CERTIFICATE:

WE, ALTOGETHER LIMITED PARTNERSHIP, A MARYLAND LIMITED PARTNERSHIP, OWNER OF THE PROPERTY SHOWN AND DESCRIBED HEREON, HEREBY ADOPT THIS PLAN OF SUBDIVISION, AND IN CONSIDERATION OF THE APPROVAL OF THE FINAL PLAT BY THE OFFICE OF PLANNING AND ZONING, ESTABLISH THE MINIMUM BUILDING RESTRICTION LINES AND GRANT UNTO HOWARD COUNTY, MARYLAND, ITS SUCCESSORS AND ASSIGNS, (1) THE RIGHT TO LAY, CONSTRUCT AND MAINTAIN SEWERS, STORM DRAINS, WATER PIPES AND OTHER MUNICIPAL UTILITIES AND SERVICES IN AND UNDER ALL ROAD OR STREET RIGHTS-OF-WAY AND THE SPECIFIC EASEMENT AREAS SHOWN HEREON; (2) THE RIGHT TO REQUIRE DEDICATION FOR PUBLIC USE THE BEDS OF THE STREETS AND/OR ROADS AND FLOODPLAINS AND OPEN SPACE WHERE APPLICABLE AND FOR GOOD AND OTHER VALUABLE CONSIDERATION, HEREBY GRANT THE RIGHT AND OPTION TO HOWARD COUNTY TO ACQUIRE THE FEE SIMPLE TITLE TO THE BEDS OF THE STREETS AND/OR ROADS AND FLOODPLAINS, STORM DRAINAGE FACILITIES AND OPEN SPACE WHERE APPLICABLE; (3) THE RIGHT TO REQUIRE DEDICATION OF WATERWAYS AND DRAINAGE EASEMENTS FOR THE SPECIFIC PURPOSE OF THEIR CONSTRUCTION, REPAIR AND MAINTENANCE; AND (4) THAT NO BUILDING OR SIMILAR STRUCTURE OF ANY KIND SHALL BE ERRECTED ON OR OVER THE SAID EASEMENTS AND RIGHTS-OF-WAY. WITNESS OUR HANDS THIS 23<sup>RD</sup> DAY OF JUNE, 1987.

Donald S. Reuver - GENERAL PARTNER  
Terrell A. Fisher - SURVEYOR

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT THE FINAL PLAT SHOWN HEREON IS CORRECT; THAT IT IS A SUBDIVISION OF PART OF THE LAND CONVEYED BY HUGH B. HILL, JR. AND ELEANOR J. HILL, HIS WIFE, TO ALTOGETHER LIMITED PARTNERSHIP, BY DEED DATED DECEMBER 22, 1986 AND RECORDED IN THE LAND RECORDS OF HOWARD COUNTY, MARYLAND, IN LIBER 1576 AT FOLIO 705 AND THAT ALL MONUMENTS ARE IN PLACE OR WILL BE IN PLACE PRIOR TO THE ACCEPTANCE OF THE STREETS IN ACCORDANCE WITH THE ANNOTATED CODE OF MARYLAND, AS AMENDED.

TERRELL A. FISHER, L.S. #10692

TWELVE HILLS  
SECTION TWO  
LOTS 7-24

TAX MAP 28 DO TAX MAP PARCEL 66

ZONING R

FIFTH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

SCALE: 1" = 100' MAY 15, 1987

SHEET 1 OF 2

587-48 P87-65 F87-



**C1** 2134 SEQUENCE NO. (OEP USE ONLY)  
 1, 2, 3 6  
 (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 38584**

DATE Received [ ] [ ] [ ] [ ] [ ] [ ] DATE WELL COMPLETED **030288** Depth of Well 22 **225** 26 (TO NEAREST FOOT) PERMIT NO. FROM "PERMIT TO DRILL WELL" **HO-81-2527**

OWNER **LIMITED** **ALTOGETHER**  
 STREET OR RFD **TWELVE HILLS ROAD** first name TOWN **DAYTON**  
 SUBDIVISION **TWELVE HILLS** SECTION **2** LOT **21**

**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	
SAND STONE	25	45	
MICKA	45	50	✓
SAND STONE	50	55	✓
MICKA	55	80	✓
SAND STONE	80	85	✓
MILKA	85	225	

**GROUTING RECORD** yes  no   
 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 **500**  
 GALLONS OF WATER **54**  
 DEPTH OF GROUT SEAL (to nearest foot) from **0** ft. to **32** 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) **36**

**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

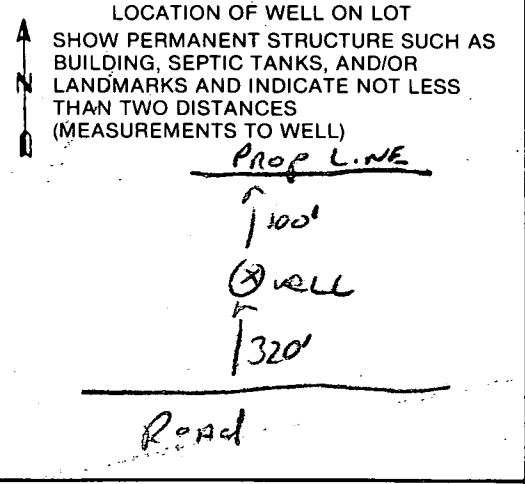
**C2** DEPTH (nearest ft.)  
 EACH SCREEN 1 **40** 2 **34** 3 **25**  
 8 9 11 15 17 21 23 24 26 30 32 36 38 39 41 45 47 51  
 SLOT SIZE 1 2 3  
 DIAMETER OF SCREEN (NEAREST INCH) 56 60

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.) 70  72  WQ 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.) **5**  
 METHOD USED TO MEASURE PUMPING RATE **Bucket**  
 WATER LEVEL (distance from land surface) BEFORE PUMPING **50** WHEN PUMPING **150**  
 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:  29  
 CAPACITY: GALLONS PER MINUTE (to nearest gallon)  31  35  
 PUMP HORSE POWER  37  41  
 PUMP COLUMN LENGTH (nearest ft.)  43  47  
 CASING HEIGHT (circle appropriate box and enter casing height)  above  below LAND SURFACE  (nearest foot) 49 51



CIRCLE APPROPRIATE LETTER  
**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 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. **273**  
 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)  
 SITE SUPERVISOR (Sign. of driller or journeyman responsible for sitework if different from permittee)



HOWARD COUNTY HEALTH DEPARTMENT  
Bureau of Environmental Health  
3525-H Ellicott Mills Drive  
Ellicott City, MD 21043  
461-9933

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation   
Replacement

Receipt # \_\_\_\_\_  
Date 7/17/89

Name of Installer ROBERT L. FREEZER CO., INC. Telephone 781-4655

License Number 2122  
Certified Well Pump Installer  Well Driller \_\_\_\_\_ Registered Plumber

Name of Property Owner ACIDEMARK HOMES - FAN Telephone 987-1100  
Subdivision TWELVE HILLS Lot # 21 Well Tag # HO-81-2521  
Site Address 13019 TWELVE HILLS RD.

**Pump**  
1. Type  
a. Deep well jet \_\_\_\_\_  
b. Shallow well jet \_\_\_\_\_  
c. Submersible   
2. Make DEMING (GRISWOLD)  
3. Model # 3X1N  
4. Capacity 5 GPM  
5. Pump exceeds well capacity Yes \_\_\_\_\_ No   
6. If Yes, is low pressure cutoff switch installed? Yes \_\_\_\_\_ No \_\_\_\_\_  
7. What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors \_\_\_\_\_ Cable guards  Other \_\_\_\_\_

**Motor**  
1. Horsepower 1/2  
2. RPM 3450  
3. Voltage \_\_\_\_\_  
a. 110 \_\_\_\_\_  
b. 220

**Pitless Adapter**  
1. Make MEXCEL  
2. Model # MB-1  
3. Depth 42" +

**Tank** CAPTIVE AIR  
1. Capacity WX-250  
2. Pressure relief valve? YES

**Piping**  
1. Type PVC  
2. Size 1"  
3. NSF and/or BOCA Code approved YES  
4. Depth of supply line 42" +

**Well data**  
1. Depth 225 ft.  
2. Yield 5 GPM  
3. Static water level 17' ft.  
4. Will water supply be disinfected by installer? YES

I understand that it is my responsibility to notify the Howard County Health Department when the installation is ready for inspection (otherwise this permit is null and void).

All information given above is true to the best of my knowledge.

Signature of Applicant: Robert L. Freezer R.L.F.Co.

Date: 7/17/89

Note: A sticker indicating approval/status of the installation will be placed on the well casing at the time of the inspection.