

10/9/90 8:00 AM

05-407168

# PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY

BUREAU OF ENVIRONMENTAL HEALTH

461-9933

INDEXED

P 46456

A 38572

DISTRICT 5th

DATE 10/3/90

DATE SYSTEM APPROVED 10/10/90

INSPECTOR M. Rifkin

~~Dwayne Thompson~~ B.W.T.

IS PERMITTED TO INSTALL ☒ ALTER ☐

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

SUBDIVISION Twelve Hills ROAD 13014 Twelve Trees Ct. LOT 13

PROPERTY OWNER David & Alysia Carney

ADDRESS \_\_\_\_\_

~~NO DAMAGE TO EXISTING SEWER LINES OR OTHER UTILITIES~~

~~NO DAMAGE TO EXISTING SEWER LINES OR OTHER UTILITIES~~

SEPTIC TANK CAPACITY 1250 GALLONS NUMBER OF BEDROOMS 4

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 - Place the distribution box 100 ft. from the back line which is 454.00 ft. long and 160 ft. from the left side of the lot as seen when facing the lot from Twelve Trees Ct. Run the trenches toward the back lot line which is 454.00 ft. long.

NOTE - No trench to exceed 100 feet length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. 3/30/90 OK BHT

PLANS APPROVED BY Raymond Hodges cm DATE 03/14/90

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

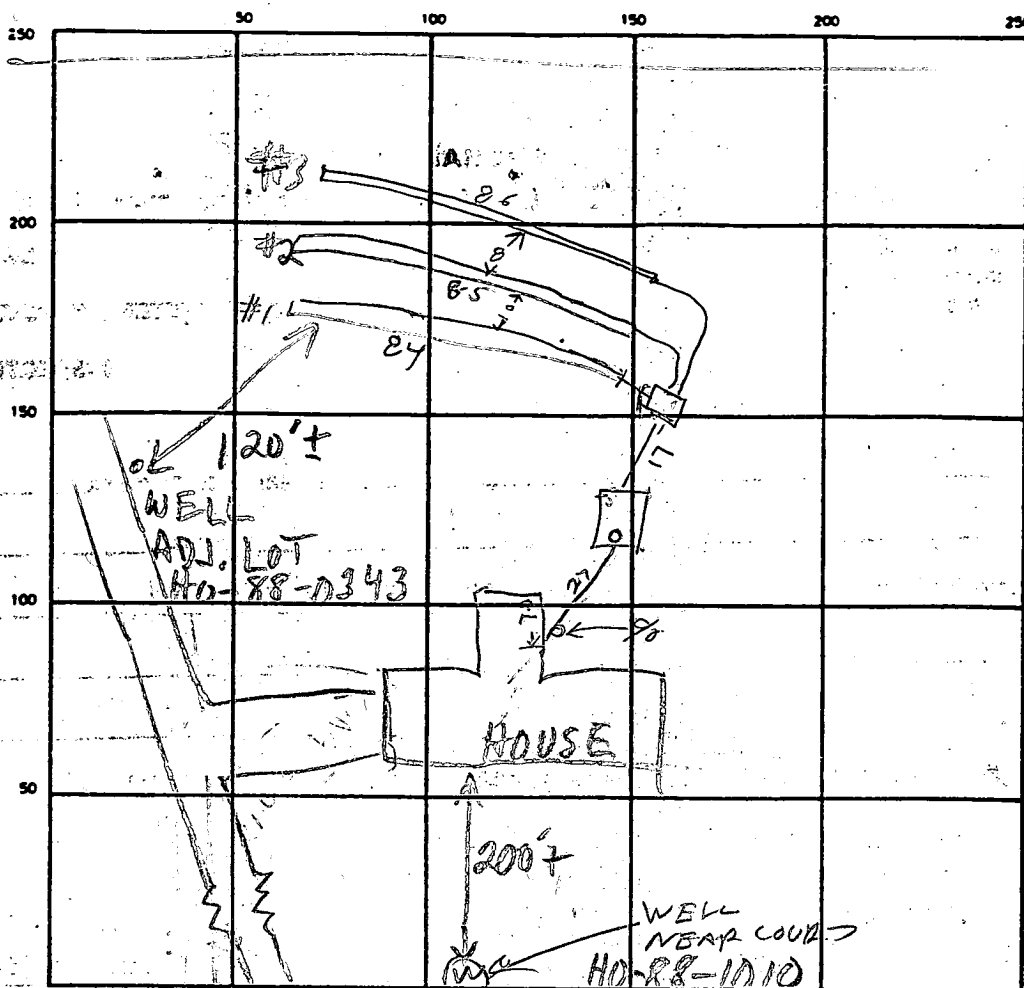
**BUILDING PERMIT SIGNED  
AND RETURNED 7/7/02**

600137273-ADD. BEDIN+BHT

38572

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

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



# TWELVE TREES CT

SEPTIC TANK. LEVEL 1500 CLEANOUTS INLINE-OR S.T. OK

DISTRIBUTION BOX. LEVEL OK-BAFFLE IN

DRAIN FIELD/TILE FIELD. DEPTH 8 1/2 7 1/2 7 1/2 TRENCH WIDTH 2 FT. INLET DEPTH 4 1/2 4 1/2 4 1/2 FT.

EFFECTIVE GRAVEL DEPTH 4 1/2 3 1/2 FT. TOTAL LENGTH 84 1/2 85 1/2 86 FT.

NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA 336 1/2 555 1/2 SQ. FT.

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

ABSORBENT AREA 849 SQ. FT.

REMARKS 10/9/90 AM LO CAYDA OK WATER WELL NEXT TO COURT

NEAR FRONT. TRENCH #1 & #2 DUG STONE #1 & #2

DUG TRENCH #3 10/9/90 TRENCH #3 DUG STONE

TRENCH #3 COVER HOUSE SEWER PIT

10/10/90 OK TO COVER ALL MR

DATE SYSTEM APPROVED 10/10/90 INSPECTOR M. Ripkin

1/18/91 AM

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 # 46751  
Date 1/14/91

Name of Installer T.M. Bernard & P.L. & H.G.

Telephone 461-6599

License Number 7248

Certified Well Pump Installer ☐ Well Driller ☐ Registered Plumber ☒

Name of Property Owner David Carson

Telephone 461-88-1010

Subdivision Twelve Hills Lot # 13

Site Address 3014 Twelve Hills Cr.

Pump

- Type
  - Deep well jet ☐
  - Shallow well jet ☐
  - Submersible ☒
- Make ☐
- Model # ☐
- Capacity ☐ GPM
- Pump exceeds well capacity Yes ☐ No ☒
- If Yes, is low pressure cutoff switch installed? Yes ☐ No ☐
- What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors ☒ Cable guards ☒ Other ☐

Motor

- Horsepower ☐
- RPM ☐
- Voltage
  - 110 ☐
  - 220 ☐

Pitless Adapter

- Make ☐
- Model # ☐
- Depth ☐

Tank

- Capacity 17gal.
- Pressure relief valve? Yes

Piping

- Type Polyblue
- Size 1 1/2"
- NSF and/or BOCA Code approved ☒
- Depth of supply line 160'

Well data

- Depth ☐ ft.
- Yield ☐ GPM
- Static water level ☐ ft.
- Will water supply be disinfected by installer? No

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: Timothy M. Bernard

Date: 1/14/91

1/17/91 OK WELL RH  
Note: A sticker indicating approval status of the installation will be placed on the well casing at the time of the inspection.

A 38572SUBDIVISION: TWELVE HILLS

LOT NUMBER:

13SECT 2TWELVE TREES CTDRY WELL OR DRY WELL AND TRENCH

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

	<u>Septic Tank</u>
3 bedroom	1000 gallon
4 bedroom	1250 gallon
5 bedroom	1500 gallon

Minimum Total square Feet

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.

TRENCHES210

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 absorbant sidewall area by 22%.

LOCATION: 3/14/90 - PLACE THE DISTRIBUTION BOX 110 FT  
FROM THE BACK LINE WHICH IS 454.00 FT LONG  
AND 160 FT FROM THE LEFT SIDE OF THE  
LOT AS SEEN WHEN FACING THE LOT FROM TWELVE  
TREES COURT. RUN THE TRENCHES TOWARD THE  
BACK LOT LINE WHICH IS 454.00 FT LONG

# APPLICATION

PERCOLATION TESTING

A 38572

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 David & Phyllis Carney

ADDRESS 10176 Baltimore National Pike Suite 210 PHONE 465-5855

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

ADDRESS \_\_\_\_\_ PHONE final lot 13 sec 2

PROPERTY LOCATION:

SUBDIVISION Altogether Twelve Hills Sec. 2 LOT NO. 17

ROAD AND DESCRIPTION Linden Church Rd + Rt 32 13014 Twelve Trees Court

TAX MAP 28 PARCEL # 66

SIZE OF LOT 3.5 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. M. S. Rein

(SIGNATURE OF APPLICANT)

APPROVED BY Sid Alpert FOR Deep trenches DATE 5-12-89

REJECTED BY \_\_\_\_\_ FOR Unitral System DATE \_\_\_\_\_

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

REASONS FOR REJECTION OR HOLDING 2/18/87 Perc OK / hold for Plat

BUDG. PERMIT SIGNED  
AND RETURNED 5/20/89  
Serial # 31404-SFD

# THIS IS NOT A PERMIT



# APPLICATION

• PERCOLATION TESTING

A 39436

P \_\_\_\_\_

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

DISTRICT 5th

DATE 6/05/87

*OK FOR  
RG-TEST  
6/5/87 C.W.*

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

10176 Baltimore National Pike - Suite 210

ADDRESS Ellicott City, Maryland 21043 PHONE \_\_\_\_\_

PROSPECTIVE BUYER Dak Carney

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

PROPERTY LOCATION:

SUBDIVISION ALTOGETHER LOT NO. 12

ROAD AND DESCRIPTION Linden Church Road

TAX MAP \_\_\_\_\_ PARCEL # \_\_\_\_\_

SIZE OF LOT \_\_\_\_\_ TYPE BLDG. Single Family Dwelling  
(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.

*Ole L. Ketterman*

(SIGNATURE OF APPLICANT)

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

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

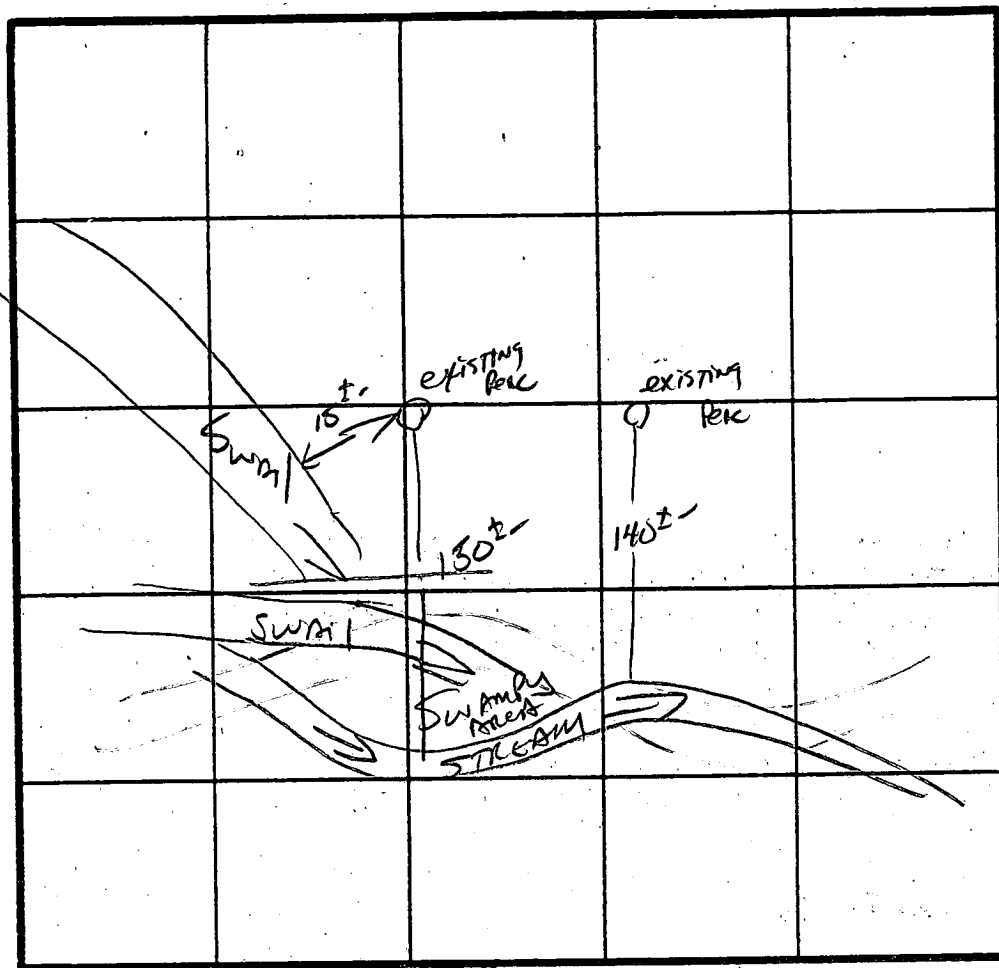
HOLD PENDING FURTHER TESTS \_\_\_\_\_ DATE \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING 7-17-87 NO PERC PERMITTED - TOO CLOSE TO STREAM, WILL

PERMIT 20' MOVEMENT ON PAPER. S. ALSO

# THIS IS NOT A PERMIT

07



Linden Church rd.

[illegible]

REMARKS \_\_\_\_\_

TYPE OF SOIL \_\_\_\_\_

TESTED BY \_\_\_\_\_ ALSO PRESENT \_\_\_\_\_





A) HOUSE TO  
FREE COL-DE-SKE  
B) enough room  
TO BUILD POOL

FIFTH ELECTION DISTRICT      HOWARD COUNTY MARYLAND

TAX MAP 28      P/O TAX MAP PARCEL 68

SCALE: 1"=100'      1987

S87-48      SHEET 1 OF 1      P87-

TAX MAP 2B P/O TAX MAP PARCEL 66

SCALE: 1" = 100' 1987

S87-48      SHEET 1 OF 1      P87-

# HOWARD COUNTY HEALTH DEPARTMENT

JOYCE M. BOYD, M.D., M.P.H.  
COUNTY HEALTH OFFICER



Bureau of Environmental Health  
3525 Ellicott Mills Drive  
Ellicott City, Maryland 21043

Director - 461-9956  
Water & Sewerage, Permits - 461-9933  
Community Environmental Health - 461-9944  
Technical Services - 461-9955

July 27, 1987

Mr. Dak Carney  
10848 Faulkner Ridge Circle  
Columbia, Maryland 21044

RE: Altogether - Lot <sup>12</sup> ~~SA~~ *SA*

Dear Mr. Carney:

Percolation testing performed on the above referenced property on July 17, 1987 revealed unsatisfactory site conditions. The presence of a stream within 140 feet of the previous test holes and multiple swails did not permit further testing.

I understand that you intended to move the percolation field down hill to improve your house site. At this time, the best I can offer you would be a change in the location of the perc field by 20 feet down hill.

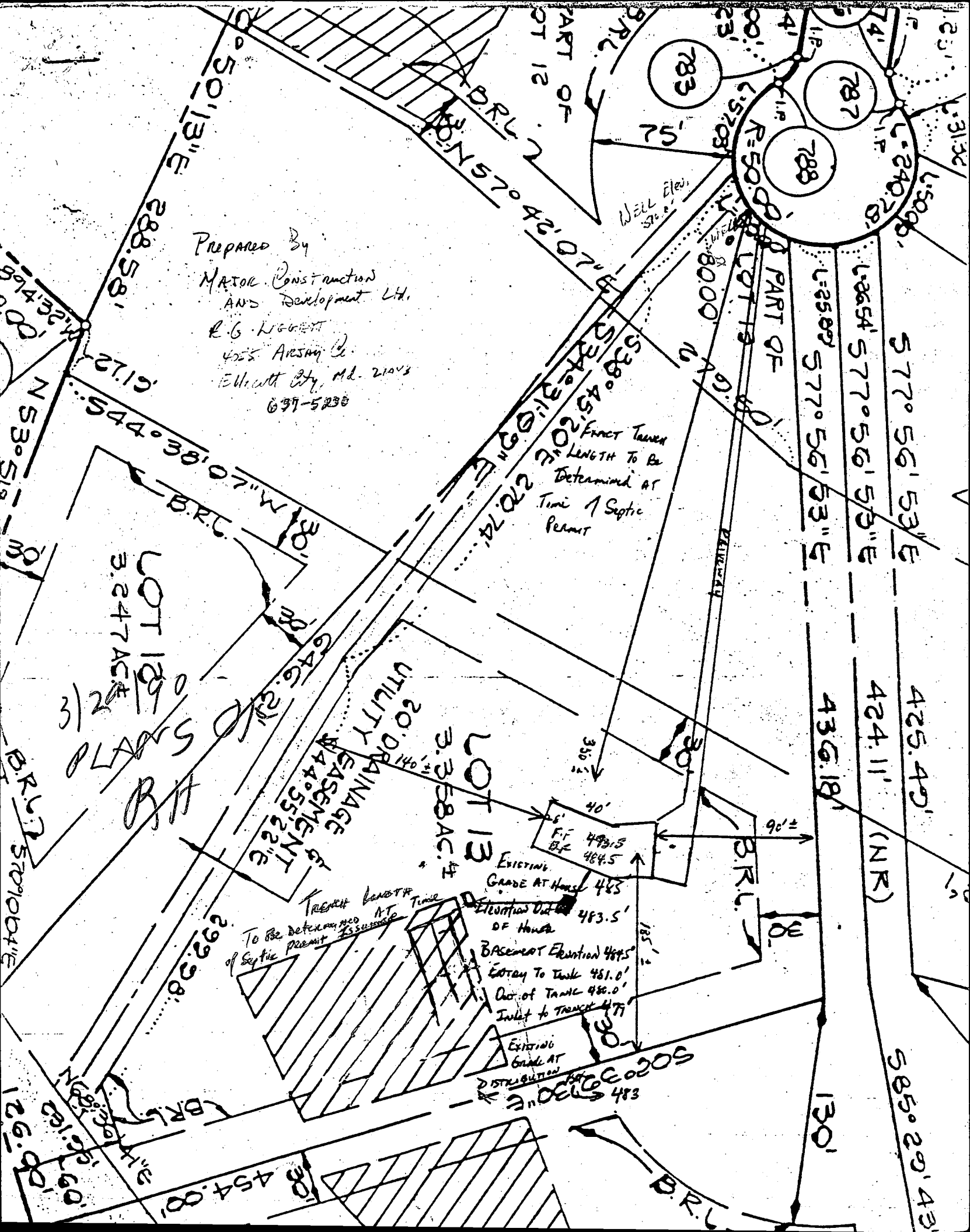
I hope this will be sufficient for you to relocate the house site. If you should have any further questions, please feel free to contact me at 461-9933.

Very truly yours,

Sid Abel, Sanitarian  
Water and Sewerage Program

SA:JR

Prepared By  
 Major Construction  
 AND Development L.H.  
 R.G. LUGGERT  
 4255 Arsony Dr.  
 Ellicott City, Md. 21043  
 697-5230



C1 1125 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 38572

ST/CO-USE ONLY DATE Received: 10/21/99 DATE WELL COMPLETED: 10/21/99 Depth of Well: 205 (TO NEAREST FOOT) PERMIT NO. FROM "PERMIT TO DRILL-WELL": 40-88-1010

OWNER: TNP Development Co. last name: TNP first name: Development TOWN: Clarksville SUBDIVISION: TNP Hills SECTION: 2 LOT: 13

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	
Topsoil	0 2	
Shale	2 35	
Mika	35 60	
Sandstone	60 65	
Mika	65 90	
Sandstone	90 95	
Mika	95 205	

GROUTING RECORD  
WELL HAS BEEN GROUTED (Circle Appropriate Box) YES ☒ NO ☐  
TYPE OF GROUTING MATERIAL  
CEMENT ☒ BENTONITE CLAY ☒  
NO. OF BAGS 4 NO. OF POUNDS 900  
GALLONS OF WATER 54  
DEPTH OF GROUT SEAL (to nearest foot)  
from 0 ft. to 40 ft.

CASING RECORD  
casing types insert appropriate code below  
STEEL ☒ CONCRETE ☒  
PLASTIC ☒ OTHER ☐  
MAIN CASING TYPE: PL  
Nominal diameter top (main) casing (nearest inch): 1  
Total depth of main casing (nearest foot): 45

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

SCREEN RECORD  
screen type or open hole insert appropriate code below  
STEEL ☒ BRASS ☒ OPEN HOLE ☒  
PLASTIC ☒ OTHER ☐

DEPTH (nearest ft.)  
EACH CASING: 1 40 2 45 3 160  
SLOT SIZE 1 2 3  
DIAMETER OF SCREEN (NEAREST INCH): 56 to 60

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

THEREBY 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. 453  
DRILLERS SIGNATURE: [Signature]  
SITE SUPERVISOR (sign of driller or journeyman responsible for sitework if different from permittee): [Signature]

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

PUMPING TEST  
HOURS PUMPED (nearest hour): 7  
PUMPING RATE (gal. per min. to nearest gal.): 10  
METHOD USED TO MEASURE PUMPING RATE: Bucket  
WATER LEVEL (distance from land surface)  
BEFORE PUMPING: 30  
WHEN PUMPING: 40  
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 to 35  
PUMP HORSE POWER: 37 to 41  
PUMP COLUMN LENGTH (nearest ft.): 43 to 47  
CASING HEIGHT (circle appropriate box and enter casing height): above 49 below 49  
LAND SURFACE: 50 51 (nearest foot)

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)  
[Diagram showing well location on lot with distances to structures]

Review OK 11/13/89 M/R

Well Permit No. HO - 88-1010  
Location of property (road) Twelve Hills Ct.  
Subdivision Twelve Hills Lot 13 Block      Plat      Sec. 2  
Well Driller ~~James~~ F. DeLoth Owner JHP Develco

### I. High rate pumping -- reservoir drawdown

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

HD-224

45 R 40 over ~~22~~ 9 B. 55

B 1 <b>8735</b> <small>(THIS NUMBER IS TO BE PUNCHED IN COLUMNS 3-6 ON ALL CARDS)</small>	SEQUENCE NO. (DP USE ONLY) 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100	<b>STATE OF MARYLAND</b> <b>PERMIT TO DRILL WELL</b> please print or type	STATE PERMIT NUMBER <b>HO-88-1010</b> <small>fill in this form completely</small>
Date Received (APA) <b>081089</b>		B 3 <b>LOCATION OF WELL</b> 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 <b>HOWARD</b> COUNTY <b>TWELVE HILLS</b> SUBDIVISION SECTION <b>2</b> LOT <b>13</b> <b>CLARKSVILLE</b> NEAREST TOWN MILES FROM TOWN (enter 0 if in town) <b>2 1/2</b> M I	
OWNER INFORMATION 15 Last Name 20 Owner 25 First Name 30 <b>THP DEVELOPMENT CO.</b> <b>40 YORK 2ND FLOOR</b> <b>BALTIMORE</b> Town 70 State 72 Zip 76 <b>MD 21204</b>		DRILLER INFORMATION Driller's Name 77 License No. 80 <b>Joseph L. Mayne</b> <b>238</b> Firm Name <b>Joseph L. Mayne Well Drilling</b> Address <b>5512 Ridge RD. Mt. Airy 21771</b> Signature <b>Joseph L. Mayne</b> Date <b>8/8/89</b>	
B 2 <b>WELL INFORMATION</b> 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 APPROX. PUMPING RATE (GAL. PER MIN.) <b>5</b> AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) <b>500</b>		B 4 <b>DIRECTION OF WELL FROM TOWN (CIRCLE BOX)</b>  <b>NEAR WHAT ROAD</b> <b>twelve trees ct.</b> ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) NORTH WEST EAST SOUTH DISTANCE FROM ROAD <b>400</b> FT ENTER FT or MI <b>FF</b>	
USE FOR WATER (CIRCLE APPROPRIATE BOX) <input checked="" type="checkbox"/> HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY) <input type="checkbox"/> FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) <input type="checkbox"/> INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT) <input type="checkbox"/> PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL) <input type="checkbox"/> TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)		NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL <b>Howard</b> <b>A-38572</b> COUNTY NAME COUNTY NO. STATE SIGNATURE DATE ISSUED <b>081489</b> <b>July 1989</b> <b>02-13-90</b> NORTH GRID <b>509000</b> EAST GRID <b>0811000</b>	
APPROXIMATE DEPTH OF WELL <b>300</b> FEET APPROXIMATE DIAMETER OF WELL <b>6</b> INCH		SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X SOURCES OF DRILLING WATER 1. <b>WELL</b> 2. 3. WRITE THE BOX NUMBER FROM THE MAP HERE E <b>810</b> N <b>510 09</b>	
METHOD OF DRILLING (circle one) BORED (or Augered) <u>JETTED</u> Jetted & DRIVEN AIR-ROtary AIR-PERcussion ROTARY (Hydraulic Rotary) CABLE REVerse-ROtary Drive-POINT other		DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION 	
REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX) <input checked="" type="checkbox"/> THIS WELL WILL NOT REPLACE AN EXISTING WELL <input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED <input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY <input type="checkbox"/> THIS WELL WILL DEEPEMED AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE)		Not to be filled in by driller (OEP USE ONLY) APPROP. PERMIT NUMBER <b>GAP</b> FORCE <b>SA</b> PERMIT No. <b>HO-88-1010</b>	
SPECIAL CONDITIONS			

**FIELD DATA SHEET**  
**HOWARD COUNTY WELL YIELD TEST**

Well Permit No. HO - 88-1010  
Location of property (road) Twelve trees Cr.  
Subdivision Twelve Hills Lot 13 Block      Plat      Sec. 2  
Well Driller J. Moore DELPH Owner JTP Develop.

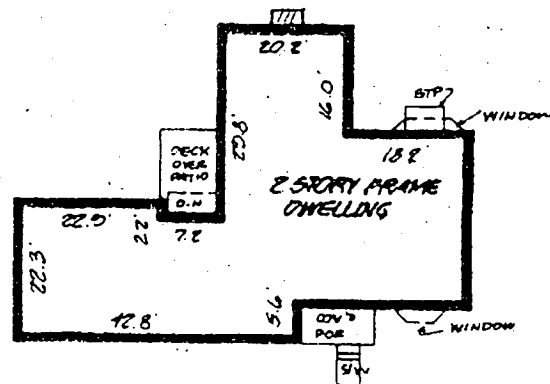
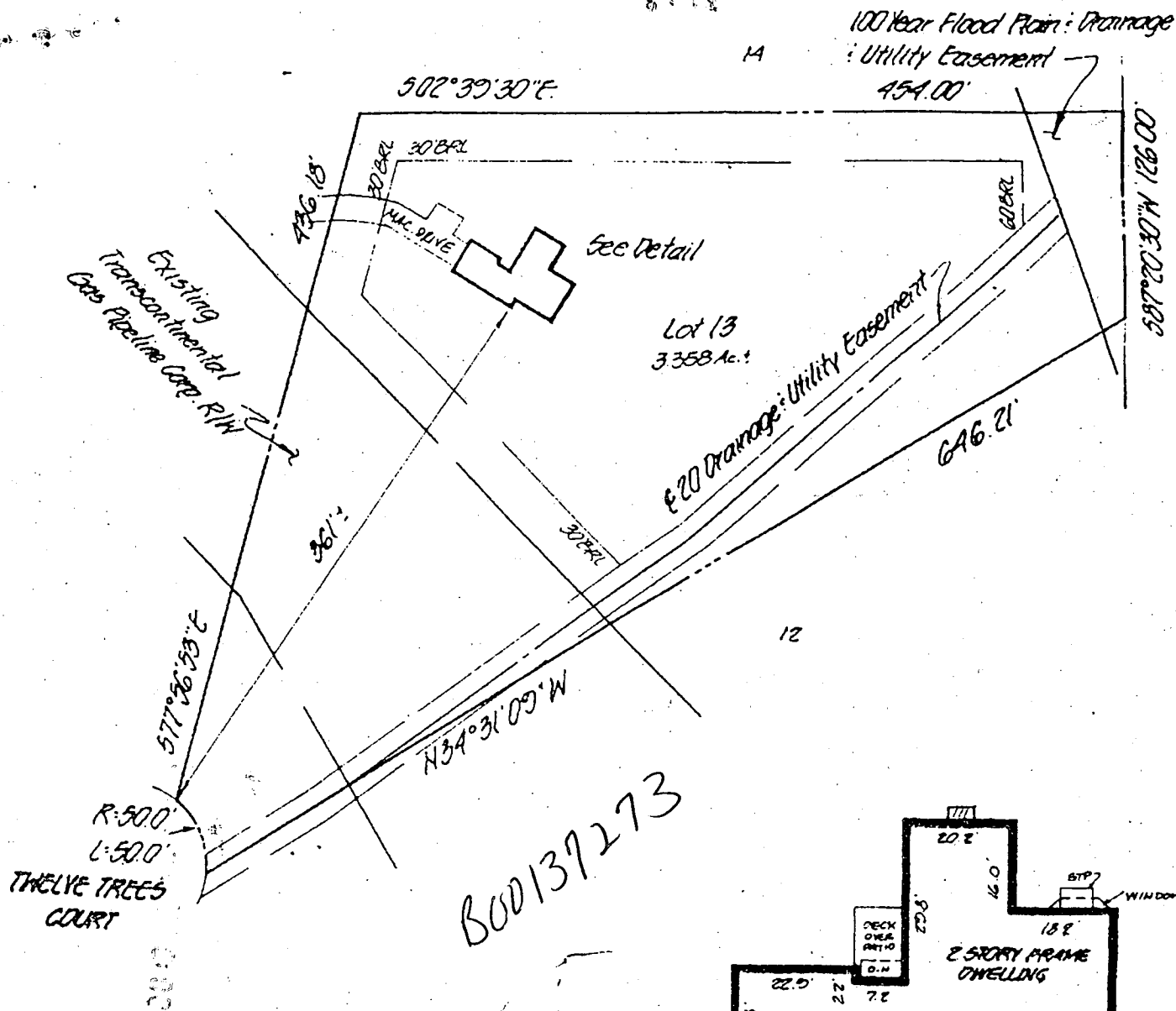
Depth of well 205'  
Distance of measuring point (M.P.) above ground 2'  
Static water level (S.W.L.) below M.P. 30'

### I. High rate pumping -- reservoir drawdown

Time pump started 1:00 Pumping rate 10 GPM  
Total time 15 min to reach pumping water level 40 ft. below M.P.

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

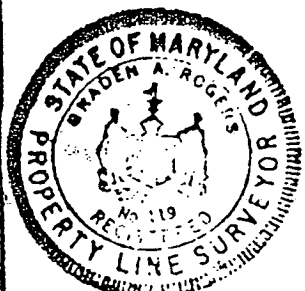
[illegible]



Detail:  
1"=20'

7/17/02-  
Proposed 1 Bedroom  
Addition on (SRK)  
Task sized for  
5-bedroom  
System adequate

Note: This Property Lies in  
Flood Zone C & A-1.  
Panel No. 240044 0026B.  
Effective Date 12/4/86.



NOTE: No title report furnished.

CERTIFICATION: This is to certify that the improvements  
indicated hereon are located as shown. This is not a property

13014 Twelve Trees Ct.