

8493  
am. final

Handwritten notes and initials

# PERMIT

## SEWAGE DISPOSAL SYSTEM

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

04-346998

P 49480

A 36755

DISTRICT 4th

DATE 7/23/93

DATE SYSTEM APPROVED 7/1/93

INSPECTOR CHL

#### HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~251-2833~~ 313-2640

INDEXED

Arnold's Backhoe & Septic Service, Inc. IS PERMITTED TO INSTALL  ALTER

ADDRESS 7110 Woodbine Road, Woodbine, Maryland 21797 PHONE 795-7873

SUBDIVISION Woodfield LOT 3 ROAD 14840 Woodfield Lane

(TRIADDELPHIA ROAD)

PROPERTY OWNER Michael Pfau

ADDRESS \_\_\_\_\_

SEPTIC TANK CAPACITY 1500 GALLONS SHALLOW SYSTEM ONLY

NUMBER OF BEDROOMS 5

210 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 350

TRENCHES - Trench to be 3 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 5 feet below original grade. Effective area begins at 3 feet below original grade. ~2 feet of stone below distribution pipe.

LOCATION - Beginning from the right front lot corner, place the distribution box 180 feet down the right (612.21') lot line and 60 feet off the right line as seen when facing property from Triadelphia Road. Run trenches along contour towards the left and right (612.21') lot lines.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. OK 613193 RH

PLANS APPROVED BY Bert Nixon DATE 5/18/87

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, 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

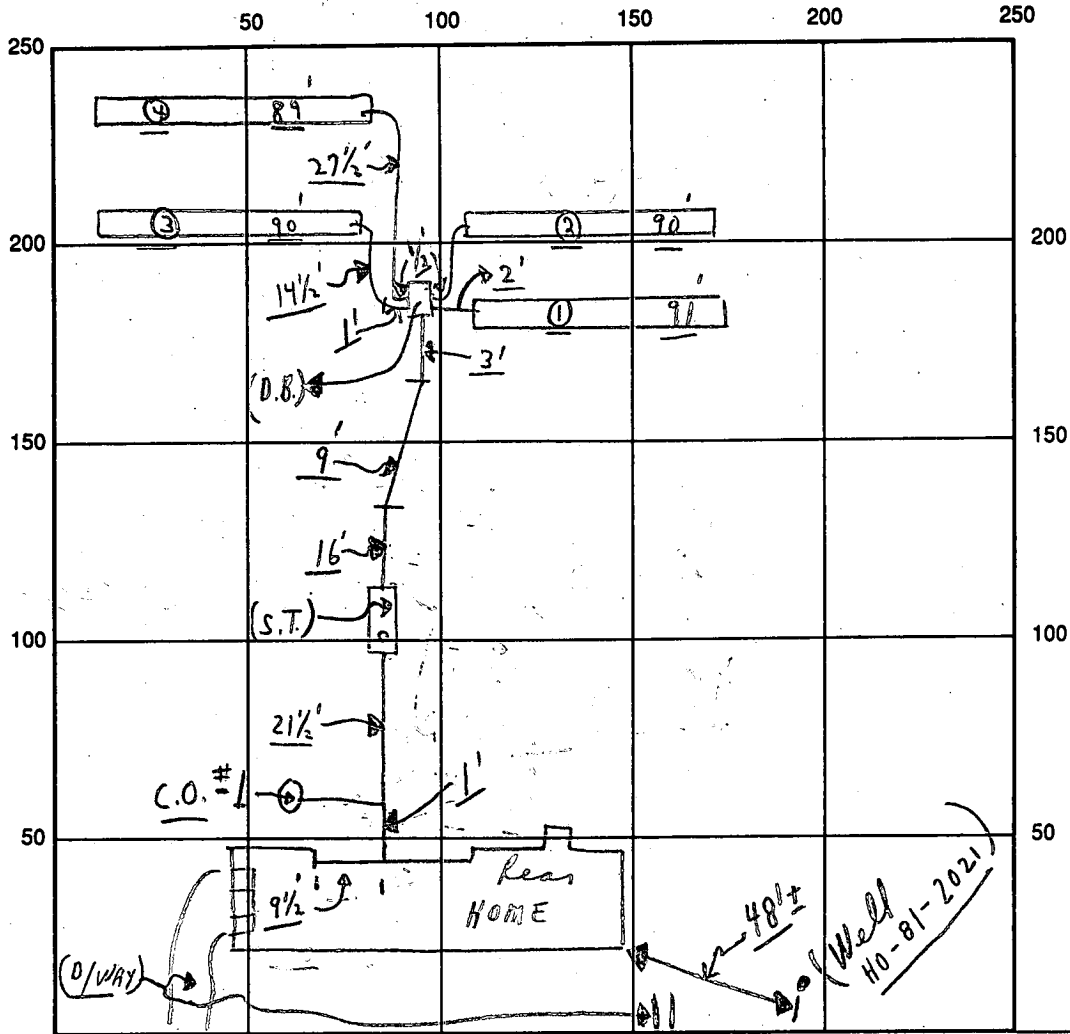
PERMIT VOID AFTER TWO YEARS

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 36755



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

← Tinsdelphia Road →

SEPTIC TANK LEVEL OK CLEANOUTS S.T.-ok; C.O.#1-ok

DISTRIBUTION BOX LEVEL OK (balls in)

DRAIN FIELD/TITLE DEPTH 5 FT. TRENCH WIDTH 3 FT. INLET DEPTH 3 FT.

EFFECTIVE GRAVEL DEPTH 2<sup>+</sup> FT. TOTAL LENGTH 360 FT.

NUMBER OF TRENCHES 4 ONE SIDEWALL/BOTTOM AREA 1080<sup>+</sup> SQ. FT.

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

ABSORBENT AREA 1080<sup>+</sup> SQ. FT.

REMARKS: (A.M.) 8/4/93 Entrances off Tinsdelphia Road; 8/4/93 ok  
to cover all work - final cap!

8/4/93 No W.P.I. OK

DATE SYSTEM APPROVED 8/4/93 INSPECTOR Charles Lynn Street

# APPLICATION

PERCOLATION TESTING

A 36755

P \_\_\_\_\_

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

DISTRICT \_\_\_\_\_

DATE 4/3/86

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 ARVID JACOBSON, PAUL JACOBSON, RANDALL JACOBSON

ADDRESS 11906 BLUE FEBRUARY WAY PHONE 730-1845

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

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

PROPERTY LOCATION:

SUBDIVISION TRIADELPHIA ESTATES LOT NO. 3

ROAD AND DESCRIPTION TRIADELPHIA ROAD

TAX MAP 21 PARCEL # 33 LOT 2

SIZE OF LOT 3.0 ACRES TYPE BLDG. SINGLE FAMILY  
(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.

Randall Jacobson  
(SIGNATURE OF APPLICANT)

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

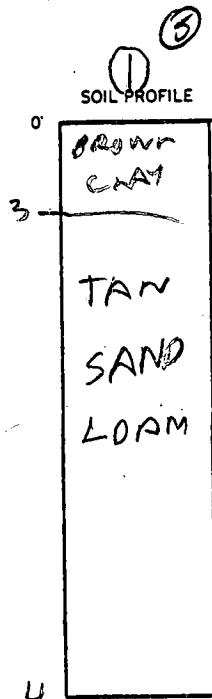
REJECTED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

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

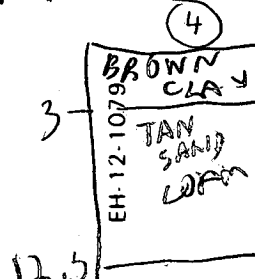
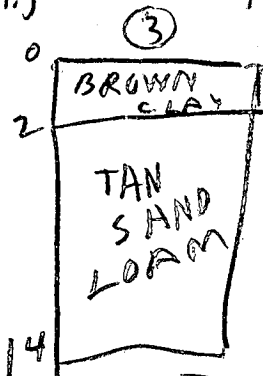
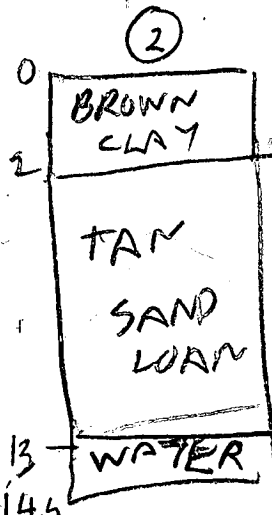
REASONS FOR REJECTION OR HOLDING \_\_\_\_\_

# THIS IS NOT A PERMIT

# Lot 3 Tridelphia Estate



See other sheet for drawing of lot new 3



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

## TRIDELPHIA RD

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5/5/86	1 D	9	1117	1121	1121	1126	5
	1 S	3	1129	1130	1136	1134	4
	IV	13.5	LOOK S	OK			
13	2 S	4.5	1138	1140	1140	1143	3
	2 V	14.5	WATER	13 FEET			
14.5	3 S	5	1158	1200	1200	1205	5
	3 V	14	LOOK S	OK			
0	4 S	4.5	1213	1217	1217	1223	6
	4 V	12.5	LOOK S	OK			
2	5 S	3.5	2:13:30	2:15:30	2:15:30	2:18:00	2.5 min
	5 V	13'	uniform soil below	3'			
	6 S	4'	2:22	2:24	2:24	2:27	3 min
	6 V	13'	uniform soil below	3'			

HOLE'S DUG PER SURVEY OR STAKE

REMARKS LATE START BACK HOE NOT READY

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

TESTED BY R. HODGES

ALSO PRESENT R. JACOBSEN

B 1 7215 SEQUENCE NO. (OEP USE ONLY)  
THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS

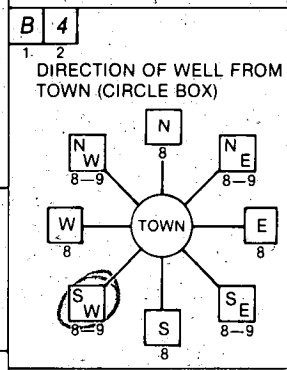
STATE OF MARYLAND PERMIT TO DRILL WELL  
please print or type

OEP PERMIT NUMBER  
HO-81-2021  
fill in this form completely

Date Received  
OWNER INFORMATION  
JACOBSON RANDALL  
11906 BLUE FEBRUARY  
COLUMBIA MD 21044

B 3 LOCATION OF WELL  
HOWARD  
TRIDELPHIA EST  
SECTION 44 LOT 3  
GLENELG  
MILES FROM TOWN 0 MI

DRILLER INFORMATION  
Ralph Mayne  
Ralph Mayne Well Drilling  
9120 Brown Church Rd. Mt. Airy  
Ralph Mayne 3/13/87



B 4 TRIDELPHIA RD.  
NEAR WHAT ROAD  
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)  
DISTANCE FROM ROAD 25 FT  
ENTER FT or MI FT

B 2 WELL INFORMATION  
APPROX. PUMPING RATE (GAL. PER MIN.) 5  
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500

- 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 A 36755  
COUNTY NAME COUNTY NO.  
OEP SIGNATURE DATE ISSUED 040887 J. Stayer 10/8/87  
NORTH GRID 514000 EAST GRID 0793000

APPROXIMATE DEPTH OF WELL 150 FEET

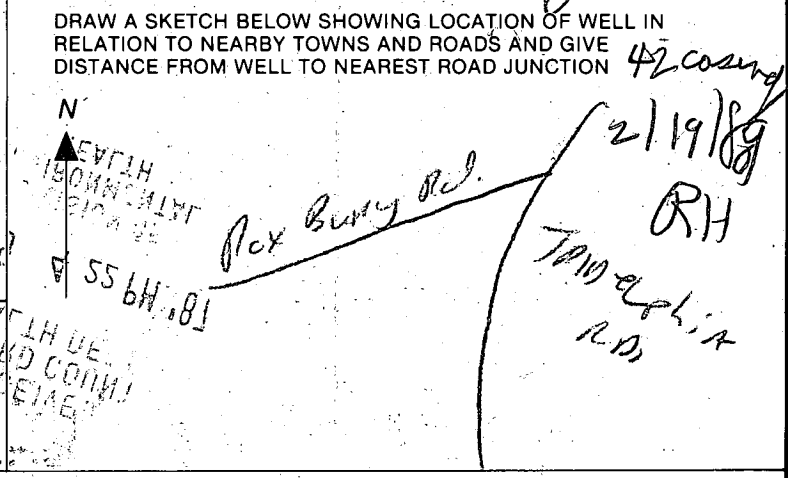
APPROXIMATE DIAMETER OF WELL 6" NEAREST INCH

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

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  
E 7903  
N 5104

2/16/88  
LOCATION OK  
GRANTS PRIOR TO ARRIVAL  
CW  
N. Bay  
300 ft

REPLACEMENT OR DEEPEINED 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 DEEPEIN AN EXISTING WELL  
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEINED (IF AVAILABLE)



Not to be filled in by driller (OEP USE ONLY)  
APPROX. PERMIT NUMBER GAP  
FORCE 75 WRITE INITIALS IN BOX PERMIT No. HO-81-2021

SPECIAL CONDITIONS 730-1845

Feb 5, 1988

TO Howard County Health Dept.

This is a request for renewal  
for Lots 1, 2, 3, TRIDELPHIA EST  
OWNER'S NAME IS RANDELL JACOBSON

STATE TAG NUMBERS Lot 1 HO-81-2019

Lot 2 HO-81-2020

Lot 3 HO-81-2021

PERMITS EXP. NOV 8, 1987

Stacy Jean  
Hafh Mayne

2/5/88

OK to extend permits for Lots 1, 2 & 3 Tridelphia  
estates

New expiration date 8/5/88

(Don)

C1 2356 SEQUENCE NO. (OEP 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

PERMIT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.  
 COUNTY NUMBER 11 50753

DATE Received                      DATE WELL COMPLETED 02 19 88 Depth of Well 165 PERMIT NO. FROM "PERMIT TO DRILL WELL" 110-81-2021

OWNER                      STREET OR RFD                      TOWN                       
 SUBDIVISION                      SECTION                      LOT                     

**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	30	✓
Sandstone	30	35	
Micka	35	60	
Sandstone	60	65	✓
Micka	65	165	

**GROUTING RECORD**  
 WELL HAS BEEN GROUTED (Circle Appropriate Box) Y N  
 TYPE OF GROUTING MATERIAL  
 CEMENT CM BENTONITE CLAY BC  
 NO. OF BAGS 11 NO. OF POUNDS 1100  
 GALLONS OF WATER 66  
 DEPTH OF GROUT SEAL (to nearest foot)  
 from 0 ft. to 38 ft.

**CASING RECORD**  
 casing types insert appropriate code below  
ST CO STEEL CONCRETE  
PL OT PLASTIC OTHER

**MAIN CASING**  
 Nominal diameter top (main) casing (nearest inch) 1 3/4  
 Total depth of main casing (nearest foot) 6  
42

**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 HOLE  
PL OT PLASTIC OTHER

**C2**  
 DEPTH (nearest ft.)  
 EACH SCREEN HO 40 165

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

SLOT SIZE 1                      2                      3                       
 DIAMETER OF SCREEN                      (NEAREST INCH)

GRAVEL PACK                      from                      to                       
 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.) WQ   
 TELESCOPE CASING LOG INDICATOR OTHER DATA

**C3**  
**PUMPING TEST**  
 HOURS PUMPED (nearest hour) 3  
 PUMPING RATE (gal. per min. to nearest gal.)                       
 METHOD USED TO MEASURE PUMPING RATE bucket  
 WATER LEVEL (distance from land surface)  
 BEFORE PUMPING                       
 WHEN PUMPING                       
 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 (nearest foot)                       
 - 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)

FIELD DATA SHEET  
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 81-2021  
 Location of property (road) TRIADDELPHIA ROAD  
 Subdivision TRIADDELPHIA ESTATES Lot 3 Block      Plat      Sec.       
 Well Driller RALPH MAYNE Owner JACOBSON, RANDALL

Depth of well 165 ft  
 Distance of measuring point (M.P.) above ground 2 ft  
 Static water level (S.W.L.) below M.P. 25 ft

I. High rate pumping -- reservoir drawdown

Time pump started 1:45 Pumping rate 10 G.P.M  
 Total time 15 min to reach pumping water level      ft. below M.P.

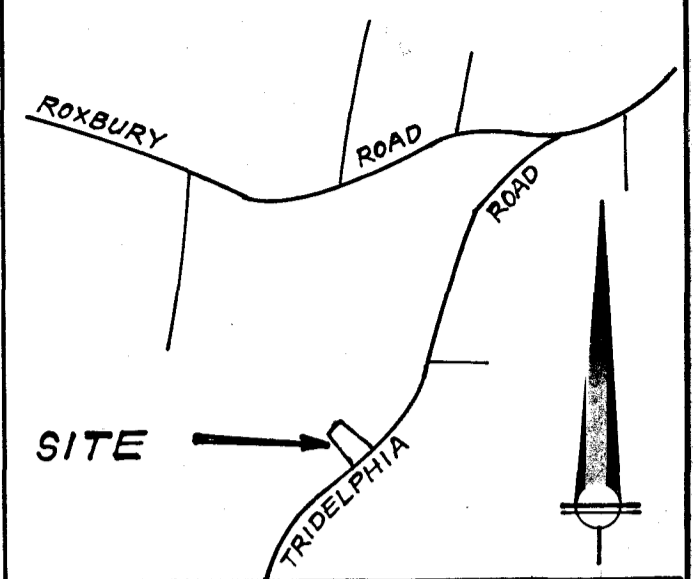
II. Recovery pump test data - observations to be recorded every 15 minutes

TIME (in 15 minute intervals)	WATER LEVEL below M.P.	PUMPING RATE time to fill 1 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)	
2:00	60 ft	9 sec		7 G.P.M	
2:15	60'	9		7	
2:30	60'	9		7	
2:45	60'	9		7	
3:00	60 ft	9 sec		7 G.P.M	
3:15	60'	9		7	
3:30	60'	9		7	
3:45	60'	9		7	
4:00	60 ft	9 sec		7 G.P.M	
4:15	60'	9		7	
4:30	60'	9		7	
4:45	60'	9		7	
5:00	60 ft	9 sec		7 G.P.M	

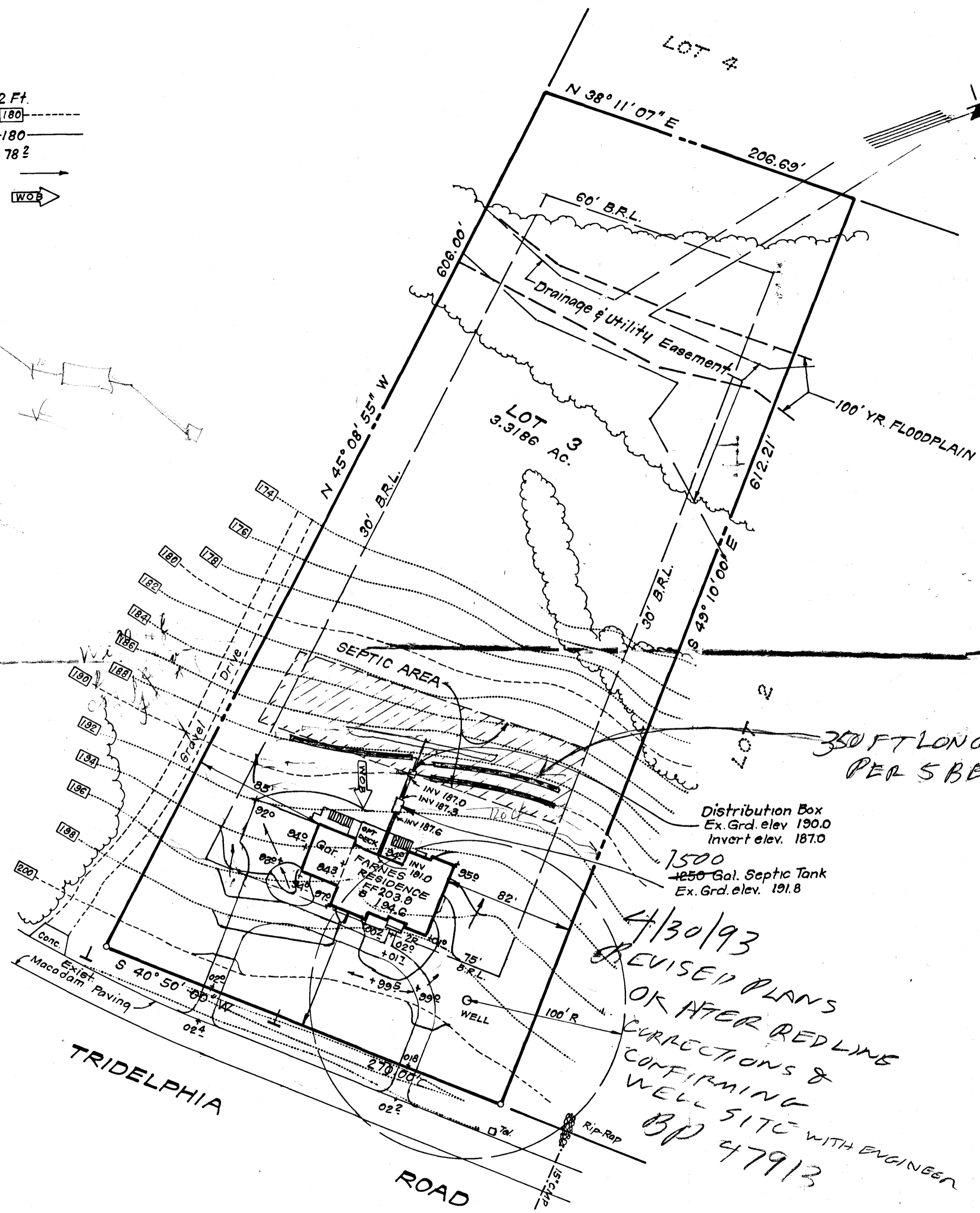
42 ft P2      380mm      11 bags

**LEGEND**

- Contour Interval 2 Ft.
- Existing Contour 180
- Proposed Contour 180
- Spot Elevation + 78.2
- Direction Of Drainage
- Walk-Out Basement



**VICINITY MAP**  
SCALE: 1" = 2000'



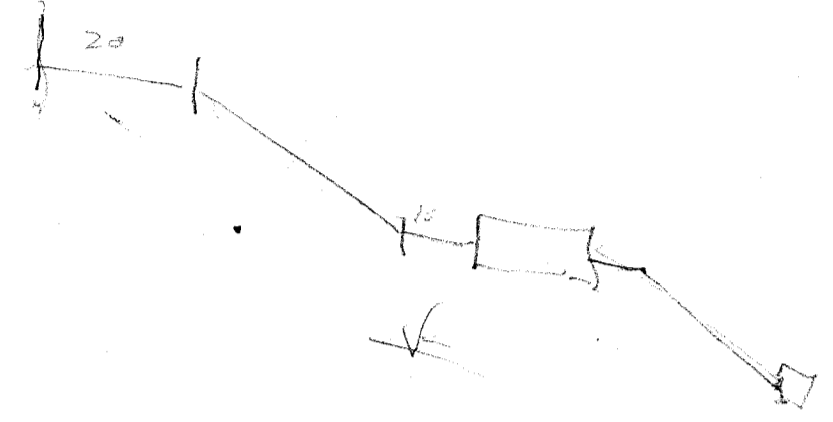
**GENERAL NOTES**

1. Reference Plat Number 8290.
2. Subject Property is Zoned 'R'.
3. Topography taken from field survey by Clark, Finetrock & Sackett, Inc. dated 3-24-93.
4. Length of trench to be determined at time of permit issuance.

4/30/93  
REVISED PLANS  
OK AFTER RED LINE  
CORRECTIONS &  
CONFIRMING  
WELL SITE WITH ENGINEER  
BP 47913

5 BEDROOMS  
~~4 Bedrooms~~

<b>CLARK • FINEFROCK &amp; SACKETT, INC.</b> ENGINEERS • PLANNERS • SURVEYORS 7135 MINSTREL WAY • COLUMBIA, MD. 21045 • (410) 381-7500 - BALTO. • (301) 621-8100 - WASH.		
DESIGNED <b>J.M.E.</b>	<b>SITE DEVELOPMENT PLAN</b> LOT 3	SCALE 1" = 50'
DRAWN <b>C.M.</b>	<b>WOODFIELD</b>	DRAWING 10F1
CHECKED <b>J.M.E.</b>	TAX MAP 21 & 27 PARCEL 55 FOURTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	JOB NO. 93-065
DATE 3-25-93	FOR: TRINITY BUILDERS 6212 Devon Drive Ellicott City, Md. 21043	FILE NO. 93-065-X



10F