

09 346971

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH DISTRICT 4th

HOWARD COUNTY

BUREAU OF ENVIRONMENTAL HEALTH
461-9933P 43134
A 38903DATE 11/29/87DATE SYSTEM APPROVED 31 JAN 89INSPECTOR RH

INDEXED

K & K Excavating, Inc.

IS PERMITTED TO INSTALL X ALTERADDRESS 14960 Frederick Road, Woodbine, Maryland 21797 PHONE 442-1336SUBDIVISION Triadelphia Estates ROAD 14830 Triadelphia Rd LOT 2PROPERTY OWNER Woodfield Homes, Inc.

ADDRESS

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

GARBAGE GRINDER? YES NO XSEPTIC TANK CAPACITY 1250 GALLONS NUMBER OF BEDROOMS 4TRENCHES - 194 sq. ft. per bedroom. Trench to be 3 feet wide. Inlet 3 1/2 feet below original grade. Bottom maximum depth 5 1/2 feet below original grade. Effective area begins at 3 1/2 feet below original grade. 2 feet of stone below distribution pipe.LOCATION - SHALLOW SYSTEM ONLY. Beginning from the right front corner, place 1st trench 170 feet down the right (622.33') lot line and 100 feet off the line as seen when facing property from Triadelphia Road. Run trenches along contour back towards the right (622.33') 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/cwPLANS 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

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

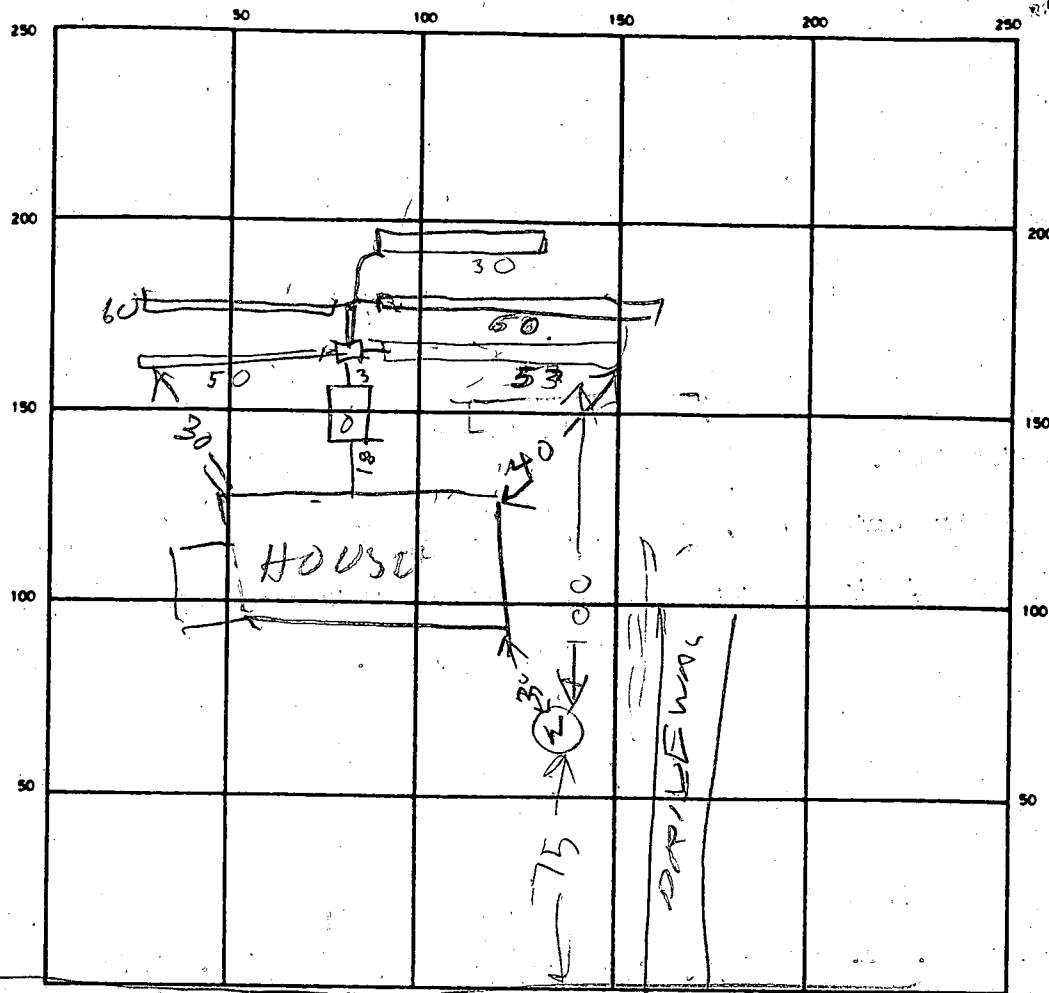
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL. STAND PIPES MUST BE 6 INCHES IN DIAMETER. CAST IRON, CONCRETE OR TERRA COTTA OR PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET, MANHOLE TO GRADE REQUIRED.

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
38903



INDICATE NORTH — NAME ADJOINING ROADWAY AS BASE LINE
 TRIDELPHIA RD

SEPTIC TANK LEVEL 1500 CLEANOUTS OK

DISTRIBUTION BOX LEVEL _____

DRAIN FIELD/TILE FIELD. DEPTH 5'6" FT. TRENCH WIDTH 2 FT. INLET DEPTH 3 FT.

EFFECTIVE GRAVEL DEPTH 2'2" FT. TOTAL LENGTH 253 FT.

NUMBER OF TRENCHES 5 ONE SIDEWALL/BOTTOM AREA 759 SQ. FT.

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

ABSORBENT AREA _____ SQ. FT.

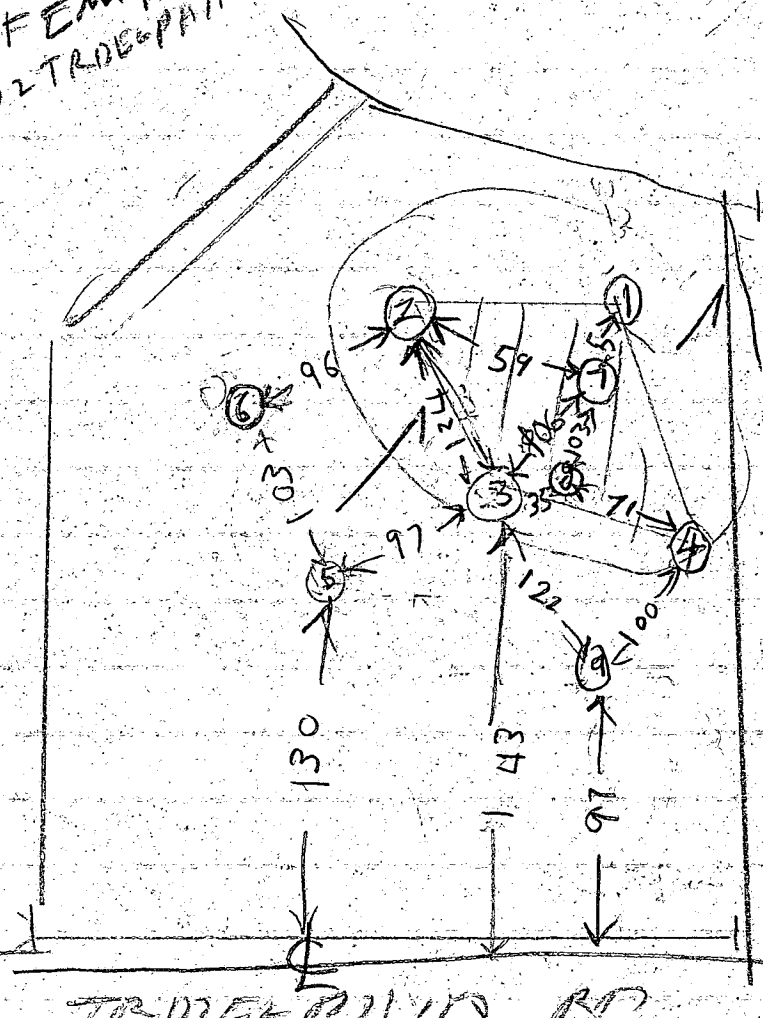
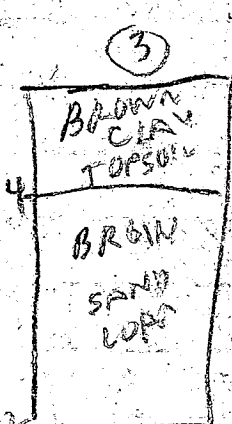
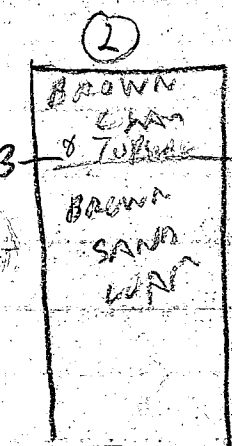
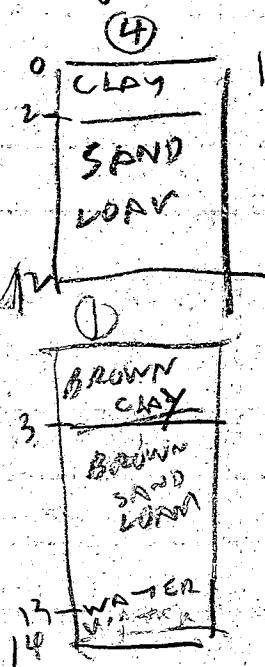
REMARKS 1/3/89 - TRENCHES OK RH

DATE SYSTEM APPROVED 1/29/89

INSPECTOR Raymond Hodge

Lot 2 DOMINIC J
FEMIANO
14702 TRADEPAIN RD

Tradeplace Estates



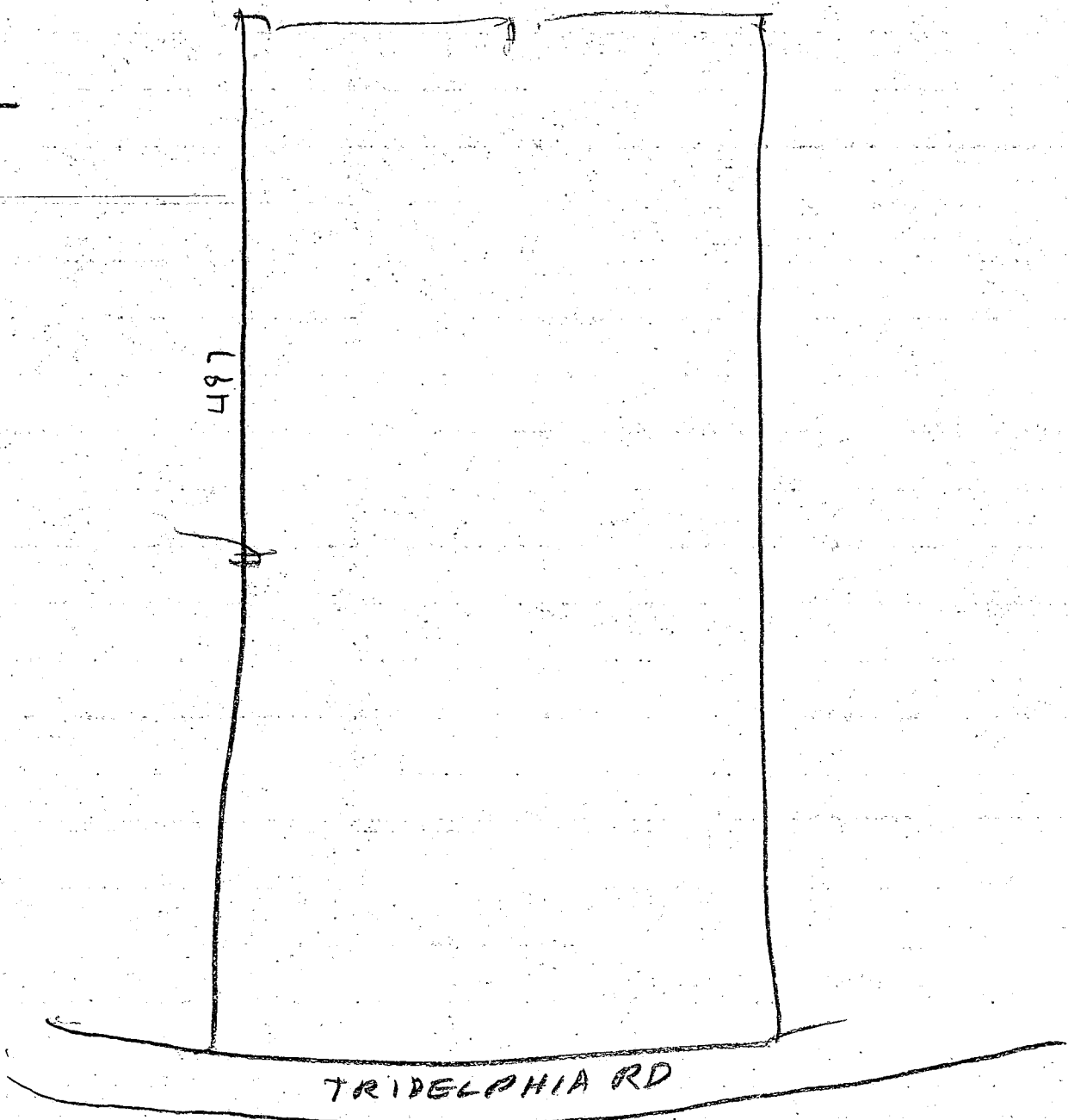
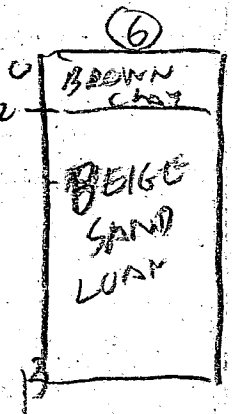
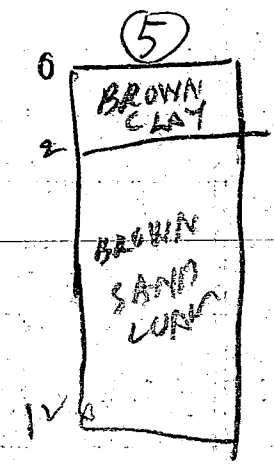
⑨ = HIGHEST
⑤ NEXT HIGHT
⑥ ⑧ ③ ② = MEDIUM
④ LOW
① LOWEST

CONTOUR MAP

4.5	247	248	248	249	1
12 LOOKS	OK				
5 259 258	258	302	4		
14 WATER	13 FT				
4.5 305 309	309	311	2		
12 LOOKS	OK				
3 315 321	321	326	5		
3 321 323	323	329	6		
3 321 323	323	329	6		
12 LOOKS	OK				

also shown R & D JACKSON & WOODY TEL BY R. HODGE

Philadelphia Estates
 Lot NEW 2



5/6/21	55	4	1053	1055	1055	1057	2
5/6/21	5V	12	LOOKS	OK			
	65	3 1/2	1100	1101	1101	1102	1
	6V	13	LOOKS	OK			

B 7 7214

SEQUENCE NO.
(OEP USE ONLY)STATE OF MARYLAND
PERMIT TO DRILL WELL

please print or type

OEP PERMIT NUMBER

MD-81-2020

fill in this form completely

Date Received

8 13

OWNER INFORMATION

JACOBSON RAO DALU

15 Last Name 34 Owner First Name

11906 BLUE FEBRUARY

36 Street or RFD 55

COLUMBIA MD 21044

57 Town 70 State 72 Zip 76

DRILLER INFORMATION

Ralph Mayne 223

Driller's Name 77 License No. 80

Ralph Mayne (well driller)

9120 Brown Church Rd Mt Airy

Address

Ralph Mayne 3/3/87

Signature Date

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)

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

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 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)

APPROX. PERMIT NUMBER

FORCE 55 WRITE INITIALS IN BOX PERMIT NO. MD-81-2020

SPECIAL CONDITIONS 230-1245

LOCATION OF WELL

HOWARD

8 COUNTY 21

TOWNEDELPHIA EST

23 SUBDIVISION 42

SECTION 44 46 LOT 48 50

SLEMALE

52 NEAREST TOWN 71

MILES FROM TOWN (enter 0 if in town) 0 MI

TOWNEDELPHIA RD.

11 NEAR WHAT ROAD 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

NORTH

WEST

SOUTH

34 75 37

DISTANCE FROM ROAD

ENTER FT or MI F

NOT TO BE FILLED IN BY DRILLER
HEALTH DEPARTMENT APPROVAL

HOWARD W-38903

COUNTY NAME COUNTY NO.

OEP SIGNATURE STATE HEALTH INSERT S

DATE ISSUED 040887 10/8/87

43 48 CO SIGNATURE EXP. DATE

NORTH GRID 510000 EAST GRID 0793000

50 55 57 63

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

GRANTED PRIOR TO ARRIVAL

DRAFTER INDICATES

4" CASING (2" AB. 62)

35' OPEN HOLE

10 BAGS CEMENT

2/16/88 CW

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

HEALTH DEPARTMENT

230-1245

5564 8th May Rd

TOWNEDELPHIA RD.

WCK 025

C1	2355	SEQUENCE NO. (OEP 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 COLS. 3-6 ON ALL CARDS)				COUNTY NUMBER <u>W 38903</u>

DATE Received 8 <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> 13	DATE WELL COMPLETED 15 <u>02</u> <u>14</u> <u>88</u> 20	Depth of Well 22 <u>145</u> 26 (TO NEAREST FOOT)	PERMIT NO. FROM "PERMIT TO DRILL WELL" <u>H0-81-2020</u> 28 29 30 31 32 33 34 35 36 37
OWNER last name <u>JACOBSON</u> first name <u>RANDALL</u>	STREET OR RFD <u>TRIADOLPHIA RD</u> TOWN <u>GLENELG</u>		
SUBDIVISION <u>TRIADOLPHIA 2ST</u>		SECTION <u>1</u>	LOT <u>2</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		Check if water bearing
	FROM	TO	
Top Soil	0	2	
Sandy	2	30	✓
Sand Stone	30	35	
MICA	35	45	
Sand Stone	45	50	✓
MICA	50	105	

GROUTING RECORD
WELL HAS BEEN GROUTED
(Circle Appropriate Box) ☒ Y ☐ N

TYPE OF GROUTING MATERIAL
CEMENT ☒ CM BENTONITE CLAY ☐ BC

NO. OF BAGS 10 NO. OF POUNDS 1000

GALLONS OF WATER 60

DEPTH OF GROUT SEAL (to nearest foot)
from 0 ft. to 35 ft.
(enter 0 if from surface)

CASING RECORD
casing types insert appropriate code below

STEEL ☒ ST CONCRETE ☐ CO
PLASTIC ☐ PL OTHER ☐ OT

MAIN CASING TYPE ☒ P1

Nominal diameter top (main) casing (nearest inch) 6

Total depth of main casing (nearest foot) 41

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

SCREEN RECORD
screen type or open hole insert appropriate code below

STEEL ☒ ST BRASS ☐ BR
BRONZE ☐ PL PLASTIC ☐ PL
OPEN HOLE ☒ HO OTHER ☐ OT

DEPTH (nearest ft.)

EACH SCREEN	1 <u>H0</u>	2 <u>39</u>	3 <u>105</u>
	8 9	15 16	21 22
	23 24	26 27	30 31 32 33 34 35 36 37
	38 39	41 42	45 46 47 48 49 50 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. 223

DRILLERS SIGNATURE [Signature]
(MUST MATCH SIGNATURE ON APPLICATION)

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

SLOT SIZE 1 2 3

DIAMETER OF SCREEN (NEAREST INCH)

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.) WQ ☐

70 ☐ 72 ☐ 74 75 76 ☐

TELESCOPE CASING LOG INDICATOR OTHER DATA

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 22
WHEN PUMPING 22

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
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) 2
☐ - 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)

well
75'
100'
Prop Line

2/2/89

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 # 42651
Date 10/3/88

Name of Installer CLARKE P & H INC

Telephone 489-4029

License Number 3808

Certified Well Pump Installer ☐ Well Driller ☐ Registered Plumber 3808

Name of Property Owner Wood Field Home

Telephone 489-4029

Subdivision Tridolphin Estate Lot # 2

Well Tag # 40-81-2020

Site Address 14830 Tridolphin Rd

Pump

1. Type
 - a. Deep well jet ☐
 - b. Shallow well jet ☐
 - c. Submersible ☒
2. Make Grundfos
3. Model #
4. Capacity GPM

Motor

1. Horsepower 1/2
2. RPM
3. Voltage
 - a. 110 ☐
 - b. 220 ☒

Pitless Adapter

1. Make
2. Model #
3. Depth

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 ☐

Tank

1. Capacity V-100-665A1
2. Pressure relief valve? 7516

Piping

1. Type Plastic
2. Size 1"
3. NSF and/or BOCA Code approved ☐
4. Depth of supply line 42"

Well data

1. Depth 200 ft.
2. Yield GPM
3. Static water level ft.
4. 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: Kenneth C. Clarke

Date: 9-22-88

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

HD-215

2/2/89 COVER OUTSIDE WORK
PRESSURE TANK NOT YET INSTALLED
RH

May 12 12 09 PM '88

APPENDIX C CONSTITUTIONAL PRINCIPLES

MD. STATE GRID MERIDIAN

4

N 30° 11' 07" E

215.16'

BUILDING RESTRICTION LINE -

②
3.15A

EX. 30' DRAINAGE
UTILITY EASM'T

-100 YEAR
FLOODPLAIN AND
DRAINAGE & UTILITY
EASEMENT

1ST FLOOR EL. - 520⁰⁰ ✓
BSMT. EL. - 511⁰⁰ ✓
INV. EL OUT
OF HOUSE - 511⁷¹ ✓ - BSMT

SEPTIC TANK
EXIST. EL. - 516¹⁰ ✓
INVERT IN - 511⁵⁵ ✓
INVERT OUT - 511¹⁰ ✓

DISTRIBUTION BOX
EXIST. EL. - 514⁰⁰ ✓
INVERT IN - 511⁰⁰ ✓
✓ Lickhollow
58K

BLDG. PERMIT SIGNED
AND RETURNED 5-13-88

BP 18498
SAW

NOTE - CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM FOUNDATION AT ALL TIMES.

THE BASEMENT FOR THIS HOUSE CANNOT BE SEWERED BY GRAVITY.

I CERTIFY THAT THE ABOVE MEASUREMENTS AND ELEVATIONS ARE ACTUAL AND CORRECT FOR THIS PROPERTY.

918 ---
TRIADDELPHIA

EX. 22' PAV.

ROAD

MARK L. ROBEL, #330

DATE _____

VITTI, ROBEL & ASSOCIATES, INC.

ENGINEERING & SURVEYING

1717 YORK ROAD SUITE 2B LUTHERVILLE, MD. 21093

(301) 252-4552

S — S - SILT FENCE
(SCE) - STABILIZED CONSTRUCTION
ENTRANCE

SITE PLAN

LOT 2

"TRIADDELPHIA ESTATES"

4th ELECT. DIST.
SCALE: 1" = 40'

HOWARD CO., MD.
APRIL 1988