



# HOWARD COUNTY HEALTH DEPARTMENT

57499

DATE 2/28/15

US

Received From

Easterday Well Pump

PHONE #

For

Well Permit / 13930

Kennard Dr.

CASH

CHECK

NO.

451

One hundred sixty

Dollars

\$

16000

Received By

Pump

C1 36742

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

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)

FILL IN THIS FORM COMPLETELY PLEASE TYPE

COUNTY NUMBER

DATE RECEIVED MM DD YY 07 06 16

DATE WELL COMPLETED MM DD YY 5/25/16

DEPTH OF WELL 22 600 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" OK 7/12/16 SC HO-15-0196

OWNER: CHERNOFF HAROLD; WELL SITE ADDRESS: 13930 KENNARD DR; TOWN: GLENKILG; SUBDIVISION: CRYSTAL CREEK; SECTION: ; LOT: 14

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Includes entries for Top Soil, Brown Shale, Brown Mica, Sandstone, and Gray Mica.

GROUTING RECORD: WELL HAS BEEN GROUTED (Y); TYPE OF GROUTING MATERIAL: CEMENT (CM), BENTONITE CLAY (BC); NO. OF BAGS: 35; NO. OF POUNDS: 1750; GALLONS OF WATER: 805; DEPTH OF GROUT SEAL: 600 ft.

CASING RECORD: MAIN CASING TYPE: ST (STEEL); Nominal diameter: 6 inch; Total depth: 106 feet.

OTHER CASING (if used) section with diameter and depth fields.

SCREEN RECORD: screen type or open hole: ST (STEEL); BR (BRASS); HO (OPEN HOLE).

DEPTH (nearest ft.) table with columns 1-21 and rows A-C; SLOT SIZE 1-3; DIAMETER OF SCREEN: 60 inch.

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

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER): T (E.R.O.S.), W Q.

PUMPING TEST: HOURS PUMPED: 8.9; PUMPING RATE: 11-15 gal/min; MEASURE PUMPING RATE: A; WATER LEVEL: 17-20 ft before, 22-25 ft when pumping; TYPE OF PUMP USED: A (air).

PUMP INSTALLED: DRILLER INSTALLED PUMP: YES; TYPE OF PUMP INSTALLED: A (air); CAPACITY: 31-35 gallons per minute; PUMP HORSE POWER: 37-41; PUMP COLUMN LENGTH: 43-47 feet; CASING HEIGHT: 49 feet above land surface.

LATITUDE 39.266718; LONGITUDE 76.998455 (DEFAULT COORD. WGS 84)

Pursuant to §10-624 of the State Govt. Article of the Maryland Code personal info. requested on this form is used in processing this form pursuant to COMAR 26.04.04.

DRILLERS LIC. NO.: MWD 040; DRILLERS SIGNATURE: George F. Rostenberg; LIC. NO.: 22D038; SITE SUPERVISOR: Bruce Chapman

B 1 32093

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL please type

STATE PERMIT NUMBER

Ho-15-0196

Date Received (APA) 12/28/15

OWNER INFORMATION

13117

B 3

LOCATION OF WELL CC#

CHERNOFF HAROLD 13930 KENNARD DRIVE GLENELG MD 21737

Howard 21 Crystal Clear 14 50 Gleneig

DRILLER INFORMATION

George F. Easterday M WD 040 L. Franklin Easterday, Inc. 9265 Brown Church Rd., Mt. Airy, Md. 21771

B 4

SOURCES OF DRILLING WATER

wells

13930 Kennard Drive ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) DISTANCE FROM ROAD ENTER FT OR MI TAX MAP: BLK: PARCEL

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)

- DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) INDUSTRIAL, COMMERCIAL, DEWATERING PUBLIC WATER SUPPLY WELL TEST, OBSERVATION, MONITORING OPEN LOOP GEOTHERMAL CLOSED LOOP GEOTHERMAL

3 geo bores

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard 13 COUNTY NAME COUNTY NO. STATE SIGNATURE DATE ISSUED 01/05/2016 CO SIGNATURE EXP. DATE 1/5/17

APPROXIMATE DEPTH OF WELL 300 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH

METHOD OF DRILLING (circle one)

BORED (or Augered) JETTED Jetted & DRIVEN AIR-ROTary AIR-PERCussion ROTARY (Hydraulic Rotary) CABLE REVerse-ROTary Drive-POINT

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

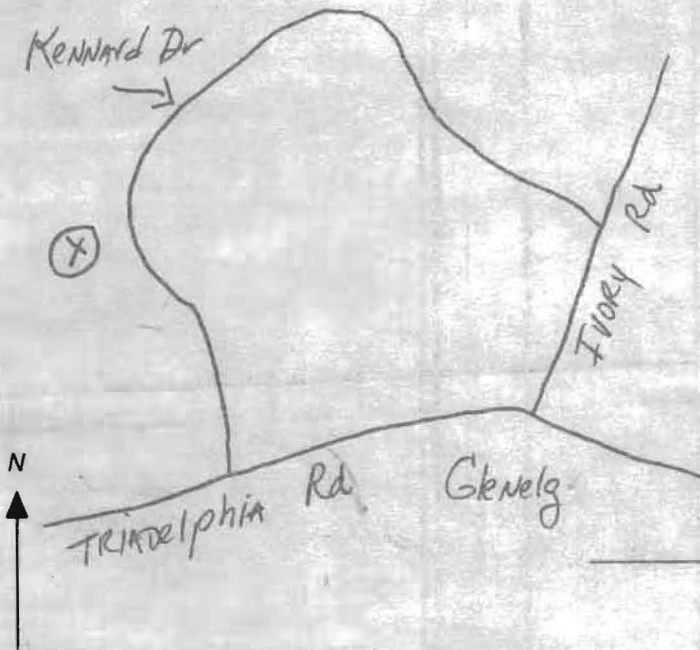
- THIS WELL WILL NOT REPLACE AN EXISTING WELL THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS THIS WELL WILL DEEPEM AN EXISTING WELL

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE)

Not to be filled in by driller (MDE OR COUNTY USE ONLY)

APPROP. PERMIT NUMBER G PERMIT No. Ho-15-0196

PROPOSED LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURES SUCH AS BUILDINGS, SEPTIC SYSTEM, ROADS AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCE MEASUREMENTS TO WELL

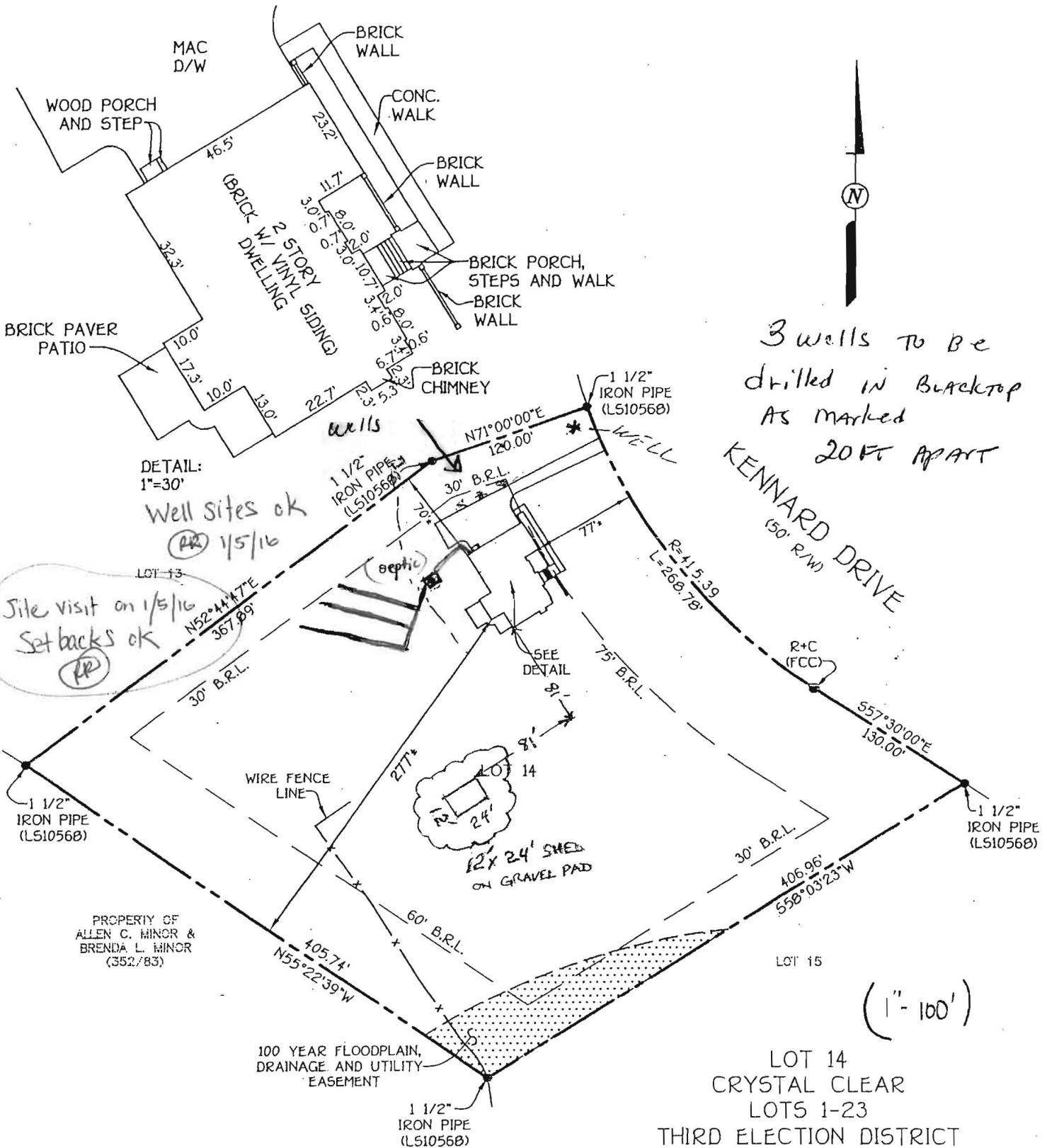


SPECIAL CONDITIONS

NOTE APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

Wells must be grouted from bottom to top.

- 1) SUBJECT PROPERTY IS SHOWN IN ZONE C ON THE NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP OF HOWARD COUNTY, MARYLAND, COMMUNITY PANEL No. 2400440021 B EFFECTIVE DEC. 4, 1986.
- 2) THE OFFSETS FROM BUILDING LINE TO PROPERTY LINE AS SHOWN ON THE PLAT HEREON ARE TO AN ACCURACY OF PLUS OR MINUS 1' (±)
- 3) NO TITLE REPORT FURNISHED. SUBJECT TO ALL EASEMENTS, RIGHTS OF WAY AND CONDITIONS OF RECORD.



3 wells to be drilled in backstop as marked 20ft apart

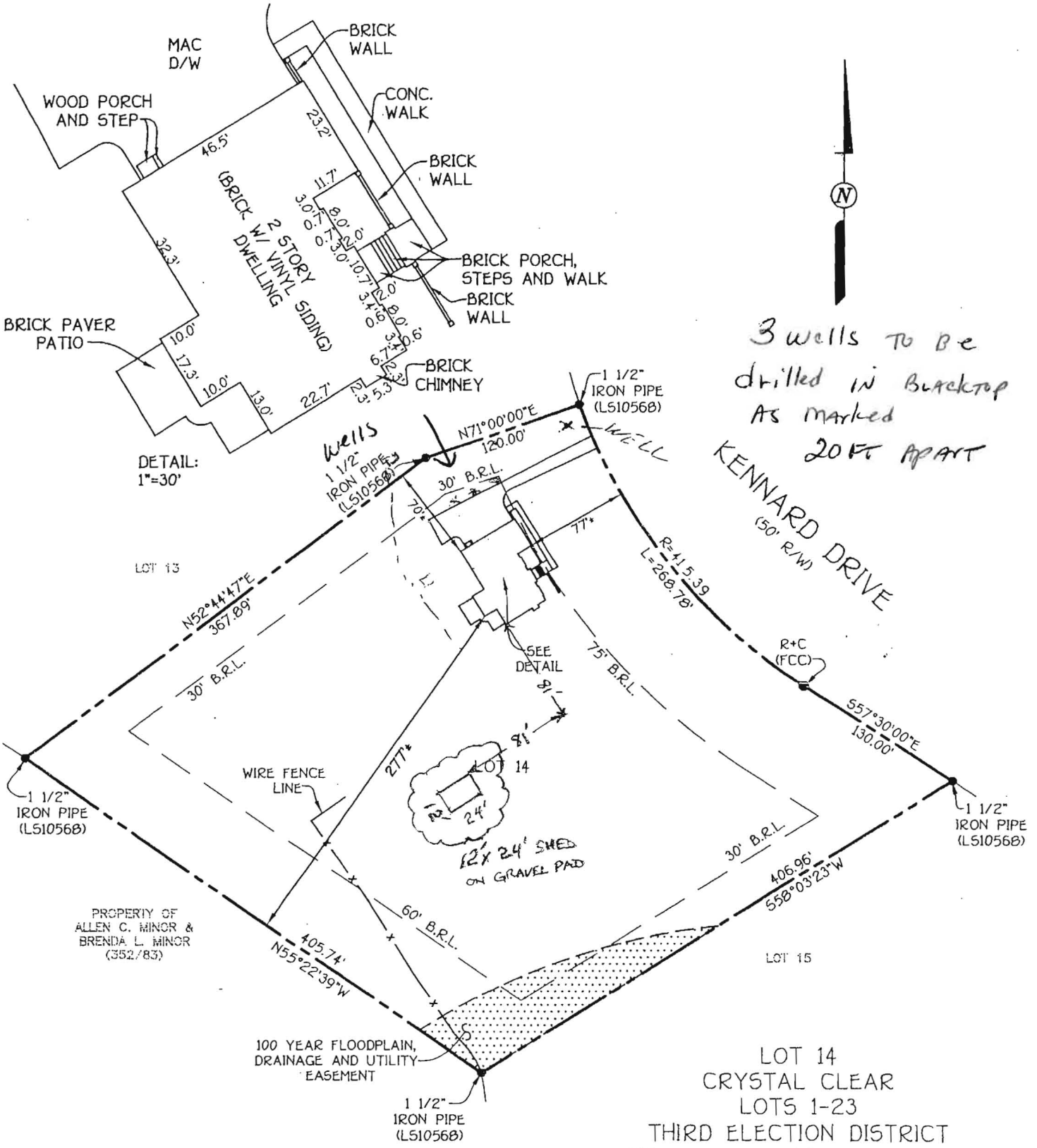
Well sites ok  
 (AR) 1/5/16  
 Site visit on 1/5/16  
 Setbacks ok  
 (AR)

(1" = 100')

LOT 14  
 CRYSTAL CLEAR  
 LOTS 1-23  
 THIRD ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND  
 PLAT NO. 8445  
 B.R.L. = BUILDING RESTRICTION LINE

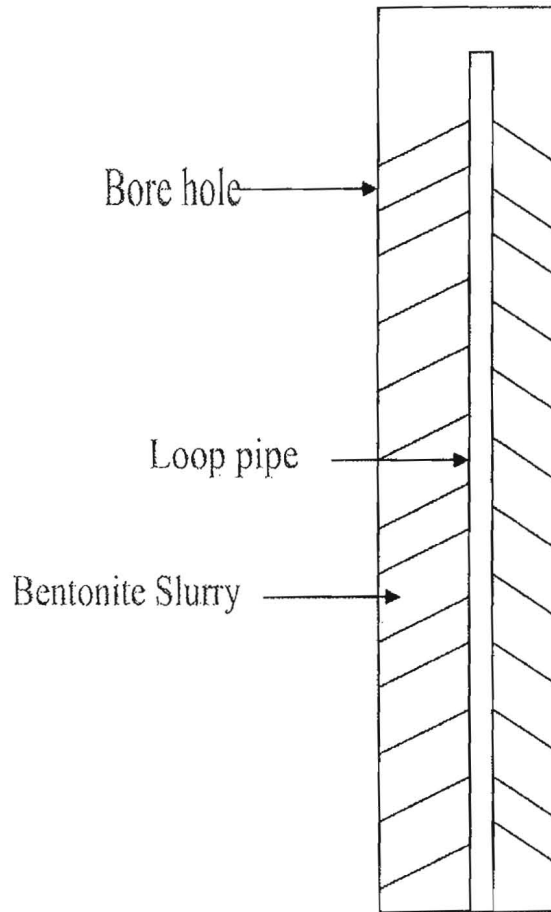
**GENERAL NOTES:**

- 1) SUBJECT PROPERTY IS SHOWN IN ZONE C ON THE NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP OF HOWARD COUNTY, MARYLAND, COMMUNITY PANEL No. 2400440021 B EFFECTIVE DEC. 4, 1986.
- 2) THE OFFSETS FROM BUILDING LINE TO PROPERTY LINE AS SHOWN ON THE PLAT HEREON ARE TO AN ACCURACY OF PLUS OR MINUS 1' (\*)
- 3) NO TITLE REPORT FURNISHED. SUBJECT TO ALL EASEMENTS, RIGHTS OF WAY AND CONDITIONS OF RECORD.



LOT 14  
 CRYSTAL CLEAR  
 LOTS 1-23  
 THIRD ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND  
 PLAT NO. 8445  
 B.R.L. = BUILDING RESTRICTION LINE

# GEOHERMAL WELL DESIGN



Owner Harold Chernoff

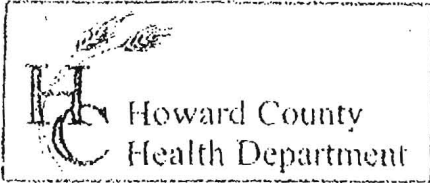
Location 13930 Kennard Drive

Number of wells 3

Depth 400 Loop Size 1 1/4

Grout Material-----Bentonite Slurry from bottom to G.L.

1 gal / 2 lbs bentonite



3525 H Ellicott Mills Drive, Ellicott City, MD 21043  
(410) 313-2640 Fax (410) 313-2648  
TDD (410) 313-2323 Toll Free 1-866-313-6300  
website: www.hchealth.org

Penny E. Borenstein, M.D., M.P.H., Health Officer

TO ALL INTERESTED PARTIES

When submitting a well permit application for a proposed well for new construction, please indicate one of the following:

- The well site has been staked by See below \*,  
(professional land surveyor or company employing professional land surveyors)  
on \_\_\_\_\_ (date) and does not require a site inspection.
- The well driller, builder or property owner will call the Health Department to schedule a time to meet in the field to verify the proposed well site location.

This sheet, along with two copies of an acceptable well site plan, must be attached to the green well permit application.

Revised 6/10/03

\* The wells are going on the edge of the blacktop they cannot be staked. Please call if questions or if you need to meet.

13930 Kennard Drive