

B 1 8441

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL 525121 please type

STATE PERMIT NUMBER

HO-95-0469 fill in this form completely

Date Received (APA) SEP 13 2006

OWNER INFORMATION

Castleberry at ten Oaks LLC 3675 Park AVE, suite 301 Ellicott City MD 21043

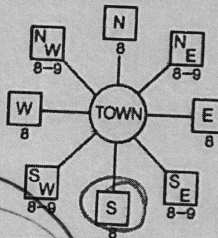
LOCATION OF WELL

Howard Castleberry at ten Oak's Glenelg

DRILLER INFORMATION

Ralph E. Mayne M S D 117 Ralph E. Mayne INC 17024 Hardy Rd. Mt Airy MD 21771

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Ten Oaks Road 45' 19420

WELL INFORMATION APPROX. PUMPING RATE 5 AVERAGE DAILY QUANTITY NEEDED 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 GEO-THERMAL

Neighbor Well

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard (13) A514220 Brian Baber 7/15/2007

APPROXIMATE DEPTH OF WELL 150 FEET APPROXIMATE DIAMETER OF WELL 6 INCH

METHOD OF DRILLING (circle one)

- BORED (or Augered) AIR-ROTARY CABLE JETTED AIR-PERCussion REVERSE-ROTARY JETTED & DRIVEN ROTARY (Hydraulic 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

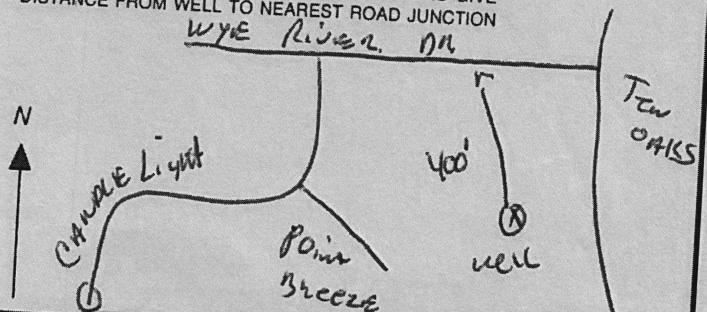
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

- SOURCES OF DRILLING WATER 1. well

WRITE THE BOX NUMBER FROM THE MAP HERE

E 520 805 N 810 518

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



Not to be filled in by driller (MDE OR COUNTY USE ONLY) APPROP. PERMIT NUMBER HO2003G001 PERMIT No. HO-95-0469

SPECIAL CONDITIONS

Existing well Must Be Sealed

C1 0295

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.

COUNTY NUMBER 13 A514220

1 2 3 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

ST/GO USE ONLY DATE RECEIVED DEC 27 2006

DATE WELL COMPLETED 12 24 06

Depth of Well 320 (TO NEAREST FOOT)

PERMIT NO. HO-95-0469

OWNER: Brock/Warfield, Wye River Drive, Dayton, Castleberry at Ten Oaks, SECTION, LOT 41

WELL LOG

Not required for driven wells

STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

Table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Rows include Top Soil, Sandy, Sand Stone, MICA, Sand Stone, MICA, Flint Rock, MICA.

GROUTING RECORD

WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL (Cement, Bentonite Clay), NO. OF BAGS, GALLONS OF WATER, DEPTH OF GROUT SEAL.

CASING RECORD

MAIN CASING TYPE (PL), Nominal diameter top (main) casing (6), Total depth of main casing (44).

OTHER CASING (if used) diameter, depth.

SCREEN RECORD

screen type or open hole (HO), DEPTH (nearest ft.)

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED (Y)

CIRCLE APPROPRIATE LETTER: A (Well was abandoned and sealed), E (Electric log obtained), P (Test well converted to production well).

I HEREBY 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...

DRILLERS LIC. NO. 1 M SD 112, DRILLERS SIGNATURE, LIC. NO. 1 D

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

Table with columns: E A C H, S C R E E N, DEPTH (nearest ft.), SLOT SIZE 1, 2, 3, DIAMETER OF SCREEN.

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

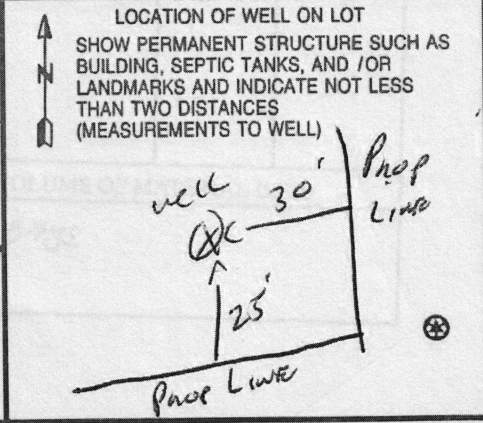
MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.), W Q, 70, 72, 74, 75, 76

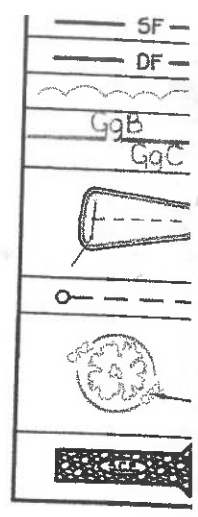
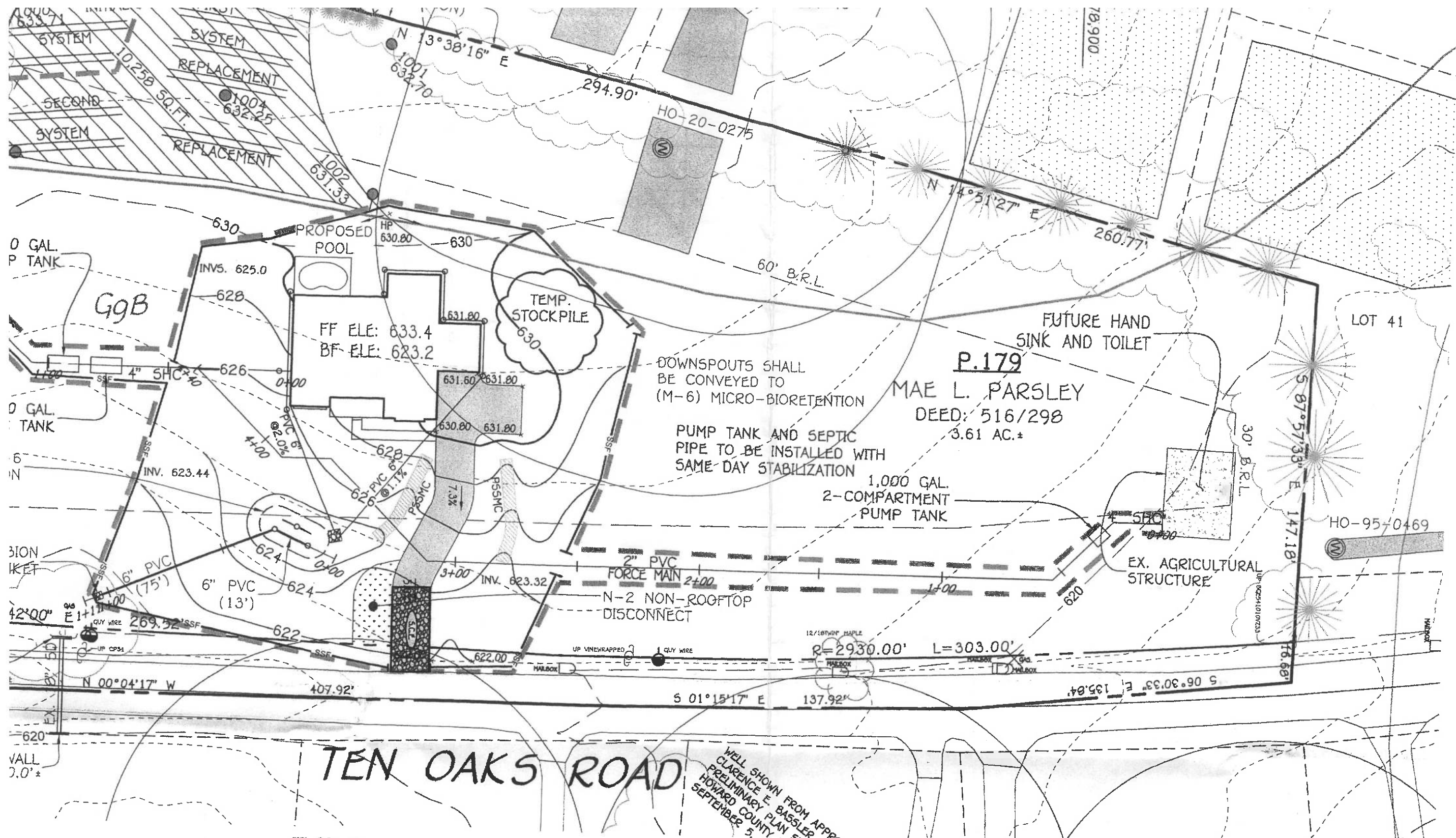
PUMPING TEST

HOURS PUMPED (nearest hour) 3, PUMPING RATE (gal. per min.) 5, METHOD USED TO MEASURE PUMPING RATE Bucket, WATER LEVEL (distance from land surface) BEFORE PUMPING 45, WHEN PUMPING 122, TYPE OF PUMP USED (for test) S submersible.

PUMP INSTALLED

DRILLER INSTALLED PUMP YES NO, IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS, TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 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, LAND SURFACE 2 (nearest foot), - below.





1. ANY CHANGE TO COMPONENTS M HOWARD COUNT A REVISED SITE
2. THE MAXIMUM E GREATER EARTH A HEAVY LOAD 1
3. ELECTRICAL WOR BY A LICENSED
4. WELL HO-20-02
5. ALL WELLS AND PROPERTY BOUN 200' DOWN GRAI HAVE BEEN SHO
6. THE ENGINEER IE WASTEWATER SER

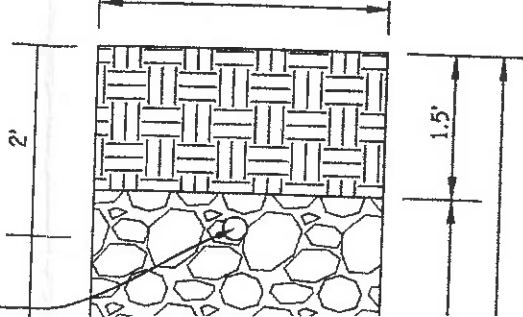
# TEN OAKS ROAD

WELL SHOWN FROM APPR CLARENCE E. BASSLER PRELIMINARY PLAN # HOWARD COUNTY SEPTEMBER 5,

FF 621.13  
 INV. OUT OF HOUSE = 617.72  
 EX. GROUND AT PUMP TANK = 620.55  
 TOP OF PUMP TANK = 622.35  
 INV. INTO PUMP TANK = 617.22  
 WEIR INV. IN PUMP TANK = 621.85  
 INV. OUT OF PUMP TANK = 616.97  
 EX. GROUND AT WYE CONNECTION = 626.12  
 4" INV. AT WYE CONNECTION = 622.09  
 2" INV. AT WYE CONNECTION = 622.17

4" PVC INV. INTO TRENCH

TRENCH WIDTH 3 FEET



TRENCH DATA:

TRENCH 1:  
 EX. GROUND ABOVE = 633.40  
 INV. IN = 631.40  
 BOTTOM TRENCH = 625.40

TRENCH 2:  
 EX. GROUND ABOVE = 633.03  
 INV. IN = 631.03  
 BOTTOM TRENCH = 625.03

2" SCH. 40 PVC = 1 UNION @ 2 EQUIVALENT FEET = 2 1/8 HB @ 4 EQUIVALENT FEET 1 1/16 HB @ 4 EQUIVALENT FEET TOTAL LINEAR FEET OF 2" SCH. 40

DYNAMIC HEAD 194 LF X 2.05 FT F VERTICAL FROM PUMP OFF TO HIGH POINT IN PUMP CHAMBER T

PUMP ALARMS / INFORMATION