

C 1 0507 SEQUENCE NO. (DENV 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 COL'S. 3-6 ON ALL CARDS)

COUNTY NUMBER A 46314

ST/CO USE ONLY DATE Received

DATE WELL COMPLETED

Depth of Well (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL"

OWNER FEAGA CHARLES last name first name STREET OR RFD ROUTE 144 TOWN WEST FRIENDSHIP SUBDIVISION NEAR BRIDGE SECTION LOT 1

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 (Use additional sheets if needed), FEET (FROM, TO), Check if water bearing. Rows: Overburden, Brown Shale, Gray Rock.

GROUTING RECORD WELL HAS BEEN GROUTED (Y) NO (N) TYPE OF GROUTING MATERIAL CEMENT (CM) BENTONITE CLAY (BC) NO. OF BAGS 14 NO. OF POUNDS 1400 GALLONS OF WATER 84 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 57 ft.

CASING RECORD casing types insert appropriate code below (ST, CO, PL, OT) MAIN CASING TYPE (ST) Nominal diameter top (main) casing (nearest inch) 10 Total depth of main casing (nearest foot) 57

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

SCREEN RECORD screen type or open hole insert appropriate code below (ST, BR, HO, PL, OT) STEEL BRASS OPEN HOLE PLASTIC OTHER

Table with columns: DEPTH (nearest ft.), SLOT SIZE 1, 2, 3, DIAMETER OF SCREEN (NEAREST INCH) from to

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

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, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DRILLERS IDENT. NO. 399

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

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

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.) 2 METHOD USED TO MEASURE PUMPING RATE Submersible WATER LEVEL (distance from land surface) BEFORE PUMPING 43 WHEN PUMPING 324 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 (-) below } (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)

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

Well Permit No. HO - 920495  
 Location of property (road) ROUTE 144 WEST FRIENDSHIP  
 Subdivision HEBB PROP Lot 1 Block      Plat      Sec.       
 Well Driller CHARLES FEAGA Owner G EDGAR HARR

Depth of well 350'  
 Distance of measuring point (M.P.) above ground 1'  
 Static water level (S.W.L.) below M.P. 43'

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

Time pump started 0800 Pumping rate 2.31 gpm  
 Total time 2 1/4 HRS to reach pumping water level 324 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 \$ gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
0800	43'	4		15.00
0815	135'	5		12.00
0830	216'	6		10.00
0845	257'	7		8.57
0900	282'	10		6.00
0915	298'	16		3.75
0930	307'	16		3.75
0945	312'	19		3.16
1000	314'	19		3.16
1015	316'	19		3.16
1030	317' 7"	20		3.00
1045	318'	20		3.00
1100	318'	20		3.00
1115	319'	22		2.73
1130	319'	22		2.73
1145	319' 1"	22		2.73
1200	319' 5"	22		2.73
1215	319' 5"	22		2.73
1230	319' 7"	22		2.73
1245	320'	22		2.73
1300	321'	24		2.50
1315	323'	26		2.31
1330	324'	26		2.31
1345	324'	26		2.31



HOWARD COUNTY HEALTH DEPARTMENT  
Bureau of Environmental Health  
3525-H Ellicott Mills Drive  
Ellicott City, MD 21043

~~410-796-7332~~ 313-2640

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation X Receipt # \_\_\_\_\_  
Replacement \_\_\_\_\_ Date \_\_\_\_\_

Name of Installer J.A. Smith & Co. Inc. Telephone 796-7532

License Number 5581  
Certified Well Pump Installer \_\_\_\_\_ Well Driller \_\_\_\_\_ Registered Plumber X

Name of Property Owner Charles C. Feaga Jr. Telephone 461-5391  
Subdivision Hebb Property Lot # 1 Well Tag # HD-92-0495  
Site Address 12235 Frederick Road

Pump Motor Pitless Adapter

1. Type 1. Horsepower 3/4 1. Make Stax Martinson  
a. Deep well jet \_\_\_\_\_ 2. RPM 3450 2. Model # 810X  
b. Shallow well jet \_\_\_\_\_ 3. Voltage \_\_\_\_\_ 3. Depth 42"  
c. Submersible \_\_\_\_\_ a. 110 \_\_\_\_\_  
2. Make Goilds b. 220 X  
3. Model # SG507412  
4. Capacity 7 GPM  
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 Piping Well data

1. Capacity 20 1. Type Crosslink 1. Depth 350 ft.  
2. Pressure relief valve? yes 2. Size 1" 2. Yield 2 GPM  
3. NSF and/or BOCA Code approved ✓ 3. Static water level 43 ft.  
4. Depth of supply line 42" 4. Will water supply be disinfected by installer? \_\_\_\_\_

I declare 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: J.A. Smith Jr.

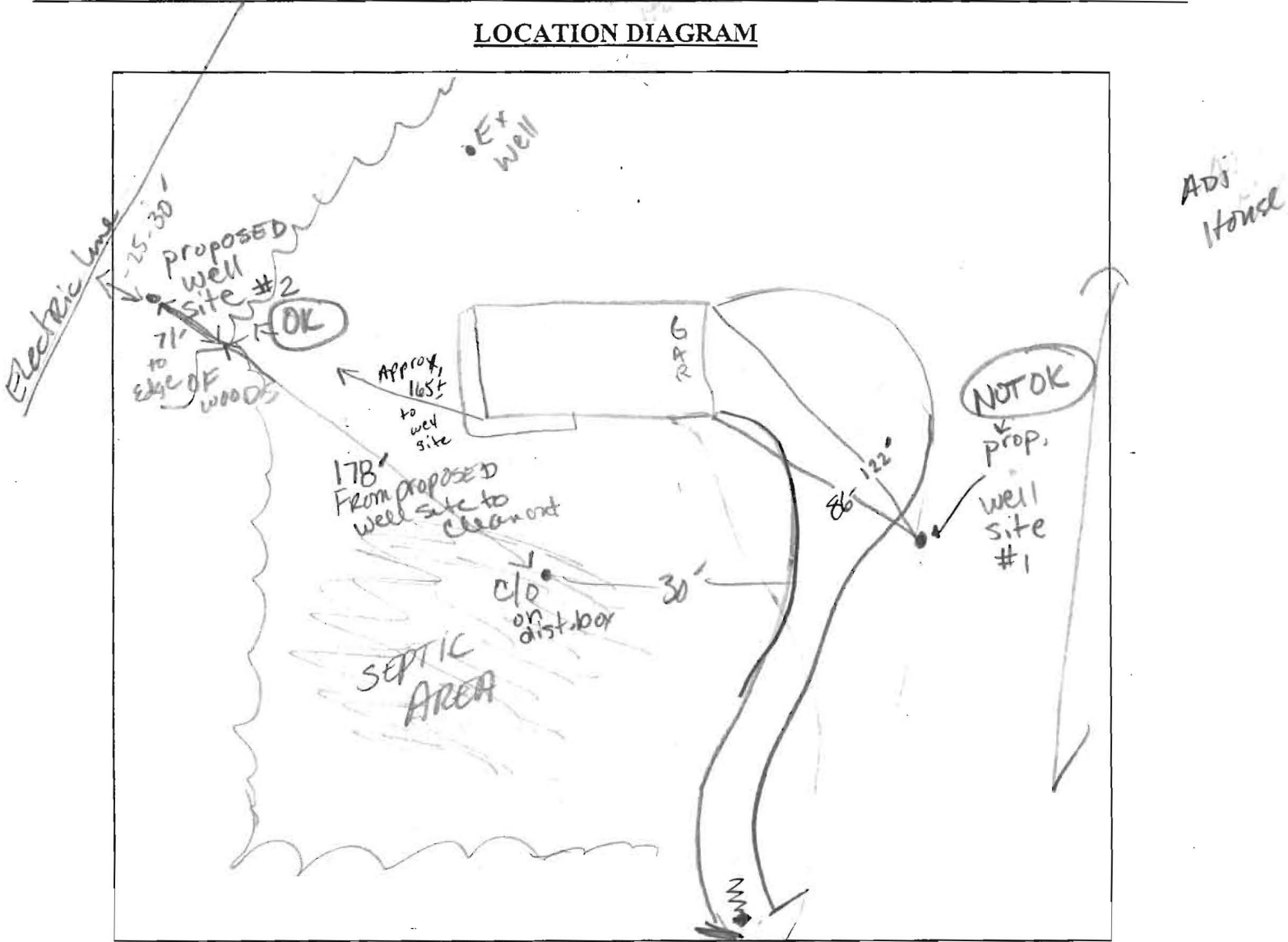
Date: \_\_\_\_\_

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

SITE INSPECTION SHEET

OWNER: Debbie Baker PHONE #: \_\_\_\_\_  
ADDRESS: 12235 Frederick Road CONTRACTOR: Easterday  
WELL TAG #: \_\_\_\_\_  
SUBDIVISION: \_\_\_\_\_ LOT: \_\_\_\_\_ COUNTY #: \_\_\_\_\_  
PROPOSAL: Replacement well - low yield

LOCATION DIAGRAM



COMMENTS: 1-21-03 2nd well site OK. (KN) 1-21-03 Pd #80 02  
Fee; receipt W518518.

DATE: \_\_\_\_\_ INSPECTOR: \_\_\_\_\_

B 1 8446  
1 2 3 6

SEQUENCE NO.  
(MDE USE ONLY)

STATE OF MARYLAND  
APPLICATION FOR PERMIT TO DRILL WELL

STATE PERMIT NUMBER

518518  
please type

410 - 94 - 3625  
70 fill in this form completely 79

Date Received (APA)

1 2 3 6  
8 MM DD YY 13

OWNER INFORMATION

9394

BAKER DEBBIE  
15 Last Name Owner First Name 34

12235 FREDERICK RD  
36 Street or RFD 55

ELLICOTT CITY, MD 21042  
57 Town 70 State 72 Zip 76

B 3

LOCATION OF WELL

8 COUNTY Howard 21 CC#

23 SUBDIVISION 42  
Hobby Property

SECTION 44 46 LOT 48 50

West Friendship  
52 NEAREST TOWN 71

MILES FROM TOWN (enter 0 if in town) 73 M I 76 77 78

DRILLER INFORMATION

George F. Easterday M D 040  
Driller's Name 76 License No. 81

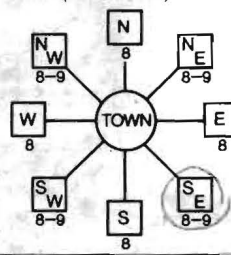
L. Franklin Easterday, Inc.  
Firm Name

9265 Brown Church Rd., MT. Airy, Md 21771  
Address

George F. Easterday 1/21/2003  
Signature Date

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



12235 Frederick Rd  
11 NEAR WHAT ROAD 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

34 100 37  
DISTANCE FROM ROAD ENTER FT OR MI Ft 38 39

TAX MAP: 15 BLK: PARCEL 39

B 2

WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) 5  
8 12

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 14 500

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- D DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION
- F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
- I INDUSTRIAL, COMMERCIAL, DEWATERING
- P PUBLIC WATER SUPPLY WELL
- T TEST, OBSERVATION, MONITORING
- G GEO-THERMAL

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard A46314  
COUNTY NAME COUNTY NO.

STATE SIGNATURE INSERT S 41

DATE ISSUED 1-23-03  
43 MM DD YY 48 CO SIGNATURE EXP. DATE

NORTH GRID 534 000 EAST GRID 815 000  
50 55 57 63

APPROXIMATE DEPTH OF WELL 24 300 28 FEET

APPROXIMATE DIAMETER OF WELL 6 NEAREST INCH

METHOD OF DRILLING (circle one)

BORED (or Augered) JETTED Jetted & DRIVEN  
30 AIR-ROTary AIR-PERcussion ROTARY (Hydraulic Rotary)

37 CABLE REVERSE-ROTary Drive-POINT  
other

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

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

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 52

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

APPROX. PERMIT NUMBER G  
PERMIT No. 410 - 94 - 3625  
70 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS

NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

SHOW MAJOR FEATURES OF BOX LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER

1. wells
- 2.
- 3.

WRITE THE BOX NUMBER FROM THE MAP HERE



DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION 10 F 4



1042293  
RECEIVED  
JAN 27 2003  
L. FRANKLIN EASTERDAY INC.

Copy SENT TO EASTERDAY;

Reply with measurements

SITE INSPECTION SHEET

OWNER: Debbie Baker PHONE #: \_\_\_\_\_

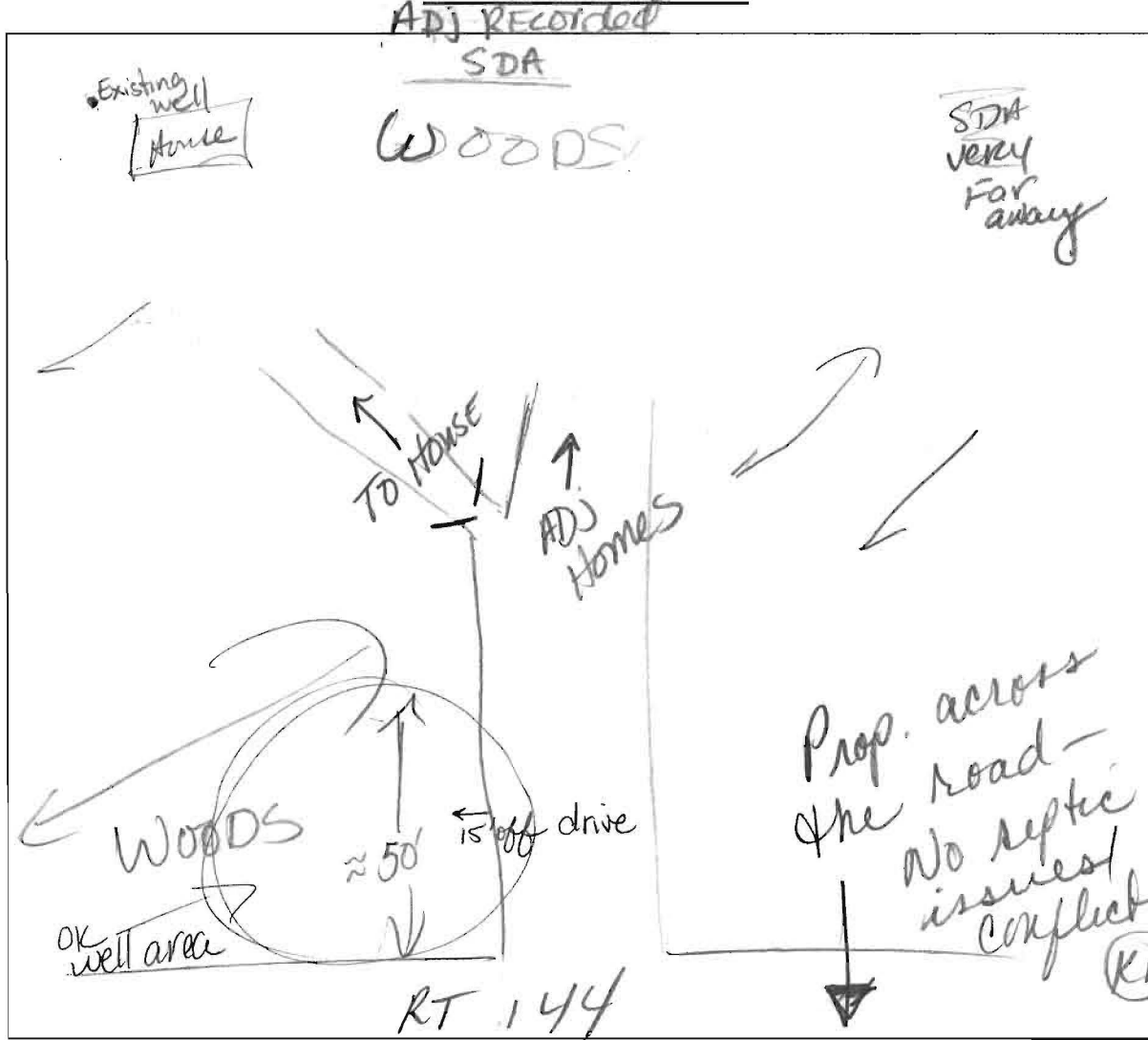
ADDRESS: 12235 Frederick CONTRACTOR: Easterday

WELL TAG #: HO-94-3625

SUBDIVISION: Hebb Property LOT: 1 COUNTY #: Howard

PROPOSAL: Replace low-yield well.

LOCATION DIAGRAM



COMMENTS: 1-23-02 Surrounding septic near common entrance to property @ #144 not an issue. May drill anywhere on north side of prominent natural swale while maintaining 15' from right-of-way

DATE: \_\_\_\_\_ INSPECTOR: KN

Show well line from house to well

KN

EXISTING PAVE

503

PROPOSED USE-IN  
EASEMENT  
TO

STING 20'  
STEM TO  
CEL 226

Lot 2

Adjacent  
Dell  
Prop.

HOUSE

100'  
WELL

HOUSE

100'  
WELL

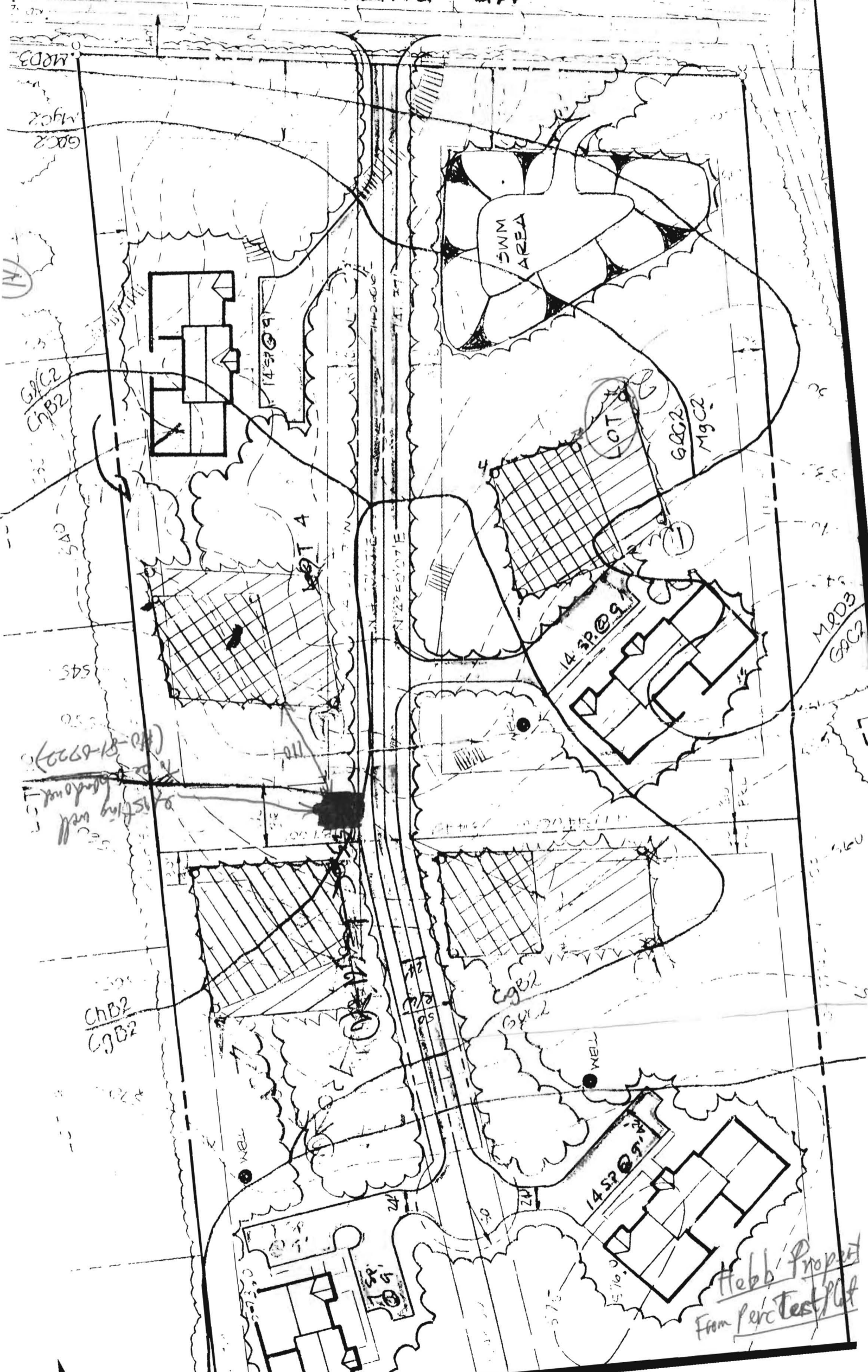
525

550

EXISTING  
HOUSE



MD ROUTE 144



Hebb Property  
From Perc Test Plat