

C1 4201

SEQUENCE NO. (OEP 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)

COUNTY NUMBER

Date Received (OEP use only)

DATE WELL COMPLETED

Depth of Well

PERMIT NO.

FROM "PERMIT TO DRILL WELL"

12/01/82

219.20 (TO NEAREST FOOT)

40-73-4315

OWNER: Cochran (last name), Edward (first name), 6258 Pindell School Road, Clarksville, Tax map 41 parcel 148

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 include: TOP SOIL (0-2), SHALE (2-10), SANDSTONE (10-50), MICA (50-115), FLINT (115-120), MICA (120-165), FLINT + QUARTZ (165-185), MICA (185-220)

GRouting RECORD WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL CEMENT (CM), BENTONITE CLAY (BC), NO. OF BAGS 6, NO. OF POUNDS 600, GALLONS OF WATER 30, DEPTH OF GROUT SEAL 20

CASING RECORD MAIN CASING TYPE (ST), Nominal diameter .6, Total depth of main casing 25

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

SCREEN RECORD screen type or open hole (ST), BRASS, BRONZE, OPEN HOLE, PLASTIC, OTHER

DEPTH (nearest ft.) 110, 23, 220

CIRCLE APPROPRIATE BOX [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 10.17.13 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT...

DRILLERS IDENT. NO. 40, DRILLERS SIGNATURE (Dorcas J. Easterday), SITE SUPERVISOR (Charles R. L. ...)

SLOT SIZE, DIAMETER OF SCREEN (NEAREST INCH)

GRAVEL PACK, IF WELL DRILLED WAS FLOWING WELL CIRCLE BOX (F)

OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.), WQ, TELESCOPE CASING, LOG INDICATOR, OTHER DATA

PUMPING TEST C 3, HOURS PUMPED 3, PUMPING RATE 4, METHOD USED TO MEASURE PUMPING RATE Bucket, WATER LEVEL BEFORE PUMPING 50, WHEN PUMPING 220, TYPE OF PUMP USED (for test) A air, P piston, T turbine, C centrifugal, R rotary, O other, J jet, S submersible

PUMP INSTALLED DRILLER WILL INSTALL PUMP (Y), IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE, TYPE OF PUMP (WRITE APPROPRIATE LETTER IN BOX - SEE ABOVE: (A, C, J, P, R, S, T, O)), CAPACITY: GALLONS PER MINUTE, PUMP HORSE POWER, PUMP COLUMN LENGTH

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) HOUSE - 65' WELL, 600', Pindell School RD.

B 1 0797

SEQUENCE NO. (OEP USE ONLY)

12/1/82

STATE OF MARYLAND PERMIT TO DRILL WELL

OEP PERMIT NUMBER

H0-73-4315

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

9:30 A.M.

please print or type

fill in this form completely

Date Received

12/1/82 (OEP Use Only)

B 3

LOCATION OF WELL

OWNER INFORMATION

OWNER INFORMATION fields: Last Name, Owner, Street or RFD, Town, State, Zip

LOCATION OF WELL fields: COUNTY (Howard), SUBDIVISION (tax map 41, parcel 148), SECTION, LOT, NEAREST TOWN (Clarksville), MILES FROM TOWN (3)

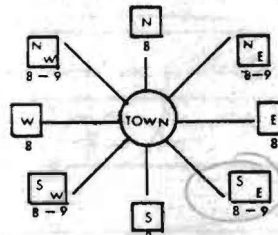
B 1 Continued

DRILLER INFORMATION

DRILLER INFORMATION fields: Driller's Name, Firm Name, Address, Signature, Date

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



NEAR WHAT ROAD (Purdell School), ON WHICH SIDE OF ROAD (WEST), DISTANCE FROM ROAD (600)

B 2

WELL INFORMATION

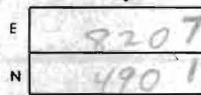
WELL INFORMATION fields: APPROX. PUMPING RATE, AVERAGE DAILY QUANTITY NEEDED

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



Location OK, 25' casing, 2' above gr., 20' open, 6 bags cement, 12/1/82, JS

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- D HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)
F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
I INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT)
P PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL)
T TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)

APPROXIMATE DEPTH OF WELL 110 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
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
D THIS WELL WILL DEEPEMED AN EXISTING WELL
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41

Not to be filled in by driller (OEP USE ONLY)

APPROP. PERMIT NUMBER G A P, FORCE INITIALS IN BOX, PERMIT No. H0-73-4315

B 4

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

COUNTY NAME HOWARD, COUNTY NO. Z, OEP SIGNATURE Frank Skemer, STATE HEALTH CIRCLE BOX S, DATE ISSUED 11/16/82, CO SIGNATURE, NORTH GRID 491, EAST GRID 0827, EXPIRES 05/16/83

B 5

SPECIAL CONDITIONS 8-63

11/10/82

10:30

HO-73-4315

FILE Replacement Well Siting

DATE REPORTED 11/9/82 2pm

PROPERTY OWNER Edward Cochran

P.O. ADDRESS 6858 Pindell School Road

TELEPHONE home: 531-6567
work: 792-7800 ext. 3745

DIRECTIONS TO PROPERTY Call Mr. Cochran @ work before inspection

bring list of backhoe contractors who could abandon & seal hand dug well

INFORMANT _____

SEE BACK SIDE

CONDITION FOUND LOW YIELD HAND DUG WELL BESIDE/UNDER LEFT SIDE
OF HOUSE AS SEEN FROM PINDELL SCHOOL RD.

ACTION TAKEN RECOMMENDED NEW WELL SITE BEHIND AND TO THE
RIGHT OF HOUSE AT LEAST 30' FROM BLDGS
AND 50' AND UPHILL FROM OIL TANK.

C Williams 11-9-82

HO-73-4315

FINAL DISPOSITION 12/1/82 Well completed JFS

11-9-82

C. Williams

SCOPE

PRIMARY LOCATION
WELL
BETWEEN OUTBUILDING
& SEPTIC FIELD
AT LEAST
30' FROM
BUILDING

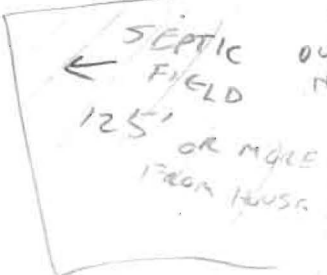
60 FT. TO
TELEPHONE



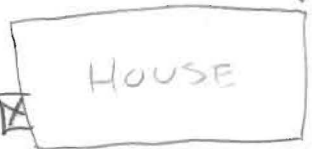
OIL TANK BURIED

WELL AREA

SHADED AREA AS ALTERNATE WELL SITE



OLD HAND DUG



LEVEL AREA

LONG DRIVEWAY

SCOPE

POND

RT 32

PINDELL SCHOOL RD

SOILS LEGEND		
SYMBOL	NAME / DESCRIPTION	SOIL GROUP
Ba	Baite silt loam	D
ChB2	Chester silt loam, 3 to 8 percent slopes, moderately eroded	B
GnB2	Glenville silt loam, 3 to 8 percent slopes, moderately eroded	C
MgC2	Major gravelly loam, 8 to 15 percent slopes, moderately eroded	B
MgC3	Major gravelly loam, 8 to 15 percent slopes, severely eroded	B
MIA	Major loam, 0 to 3 percent slopes	B
MIB2	Major loam, 3 to 8 percent slopes, moderately eroded	B

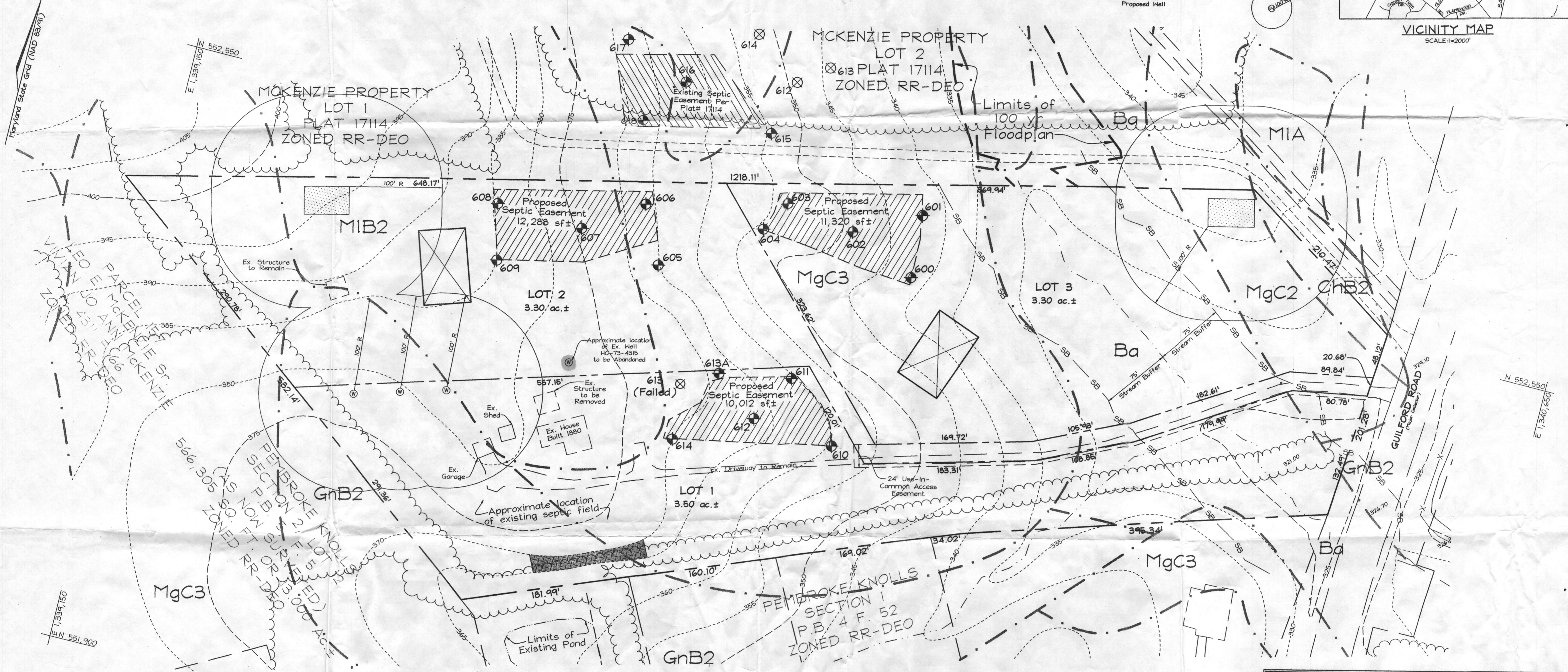
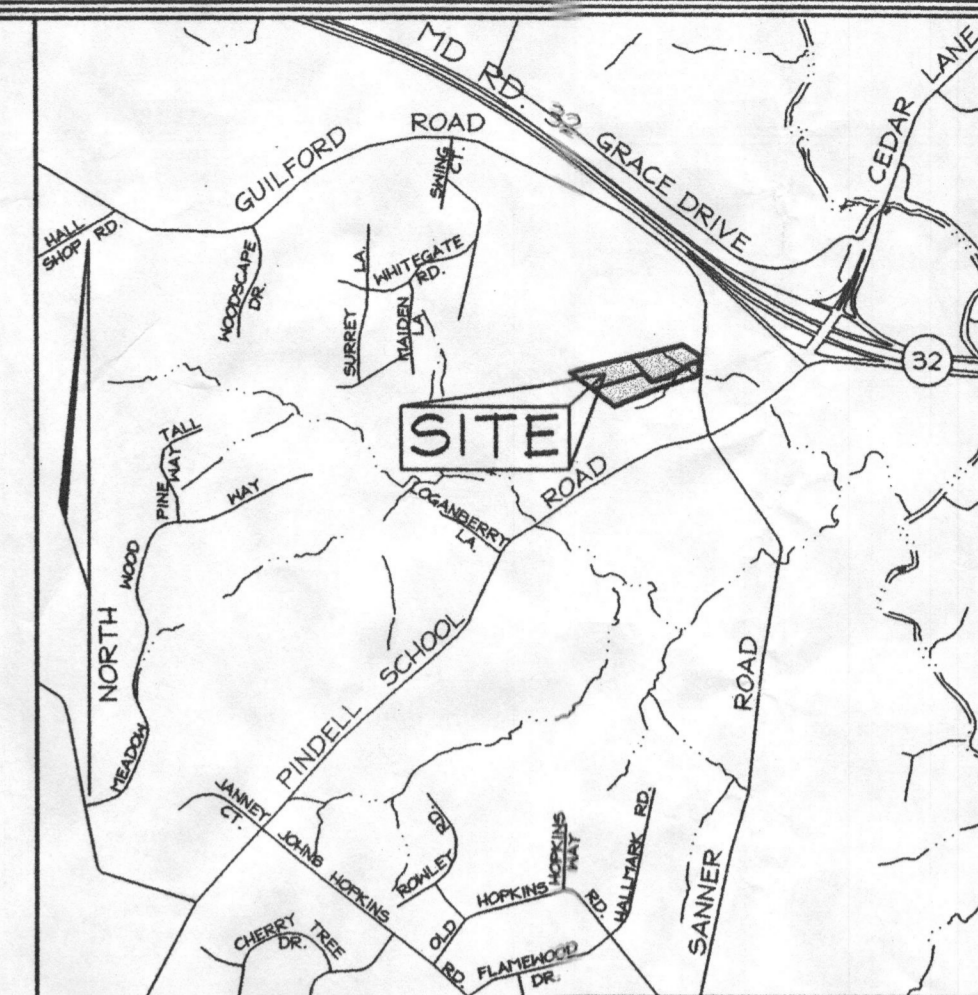
PERC. CHART	
Number	Elevation
600	344.23272
601	345.41924
602	351.24268
603	355.17680
604	355.78230
605	367.06750
606	369.41622
607	377.68458
608	387.02988
609	387.23783
610	361.45245
611	363.18531
612	369.35254
613(Failed)	373.98480
613A	369.61783
614	372.91345

GENERAL NOTES

- Subject property zoned RR-DEO per 02/02/04 Comprehensive Zoning Plan.
- Total area of property = 10.104 ac.±
- Private water and Private sewer will be used within this site.
- ██████ This area designates a private sewage easement, of at least 10,000 SF as required by the Maryland State Department of the Environment for individual sewage disposal (COMAR 26.04.03). Improvements of any nature in this area are restricted until public sewerage is available. These easements shall become null and void upon connection to a public sewerage system. The County Health Officer shall have the authority to grant adjustments to the private sewage easement. Recordation of a modified sewage easement shall not be necessary.
- All wells and septic fields within 100' of property's boundary have been shown.
- Existing Topography based on Howard County Aerial Topography flown in 1998 and has been field verified.
- Deed History:
1994-present: Edward L. Cochran and Catherine Joan Cochran
1956-1994: Edward L. Cochran and Catherine J. Cochran
- The lots shown herein comply with the minimum ownership, width and lot area as required by the Maryland Department of the Environment.
- References: Liber 3420 Folio 168
- All wells to be drilled prior to submittal of record plat for signature. It is the developer's responsibility to schedule the well drilling prior to final plat submission. It will not be considered 'government delay' if the well drilling holds up the Health Department signature of the record plat.
- Number of proposed lots: 3
- The existing well for Lot 1 is to be abandoned and redrilled prior to Final Plat Signature.

LEGEND

- Existing Contour: - - - - -302
- Existing Spot Elevation: 302.3
- Existing Trees to Remain: [Tree symbol]
- Proposed Septic Easement: [Hatched box symbol]
- Proposed Well Area: [Dotted box symbol]
- Proposed House: [House symbol]
- Proposed Perc Test (Passed): ⊕610
- Proposed Perc Test (Failed): ⊗613
- Soil Boundary: - - - - -
- Existing Well: (W)
- Proposed Well: (W)



PLAN VIEW
SCALE: 1"=50'

PERCOLATION CERTIFICATION PLAN
COCHRAN PROPERTY
LOTS 1-3
A# 524382 B

TAX MAP 4I GRIDS 4
4TH ELECTION DISTRICT

PARCEL 148
HOWARD COUNTY, MARYLAND

OWNER/DEVELOPER
EDWARD AND CATHERINE
COCHRAN
7400 Guilford Road
Highland, Maryland 21029

FSH Associates
Engineers Planners Surveyors
8318 Forest Street Ellicott City, MD 21043
Tel: 410-750-2251 Fax: 410-750-7350
E-mail: info@fsha.biz

DESIGN BY: ZYF
DRAWN BY: HK/CD
CHECKED BY: ZYF
SCALE: As Shown
DATE: May 31, 2006
W.O. No.: 3359
SHEET No.: 1 OF 1

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS IN ACCORDANCE WITH THE MASTER PLAN OF HOWARD COUNTY

Robert J. Walter
COUNTY HEALTH OFFICER
HOWARD COUNTY HEALTH DEPARTMENT

6/14/06
DATE