

12/19/99
3:00
12/10/99 11:00 & 3:00

04-348613

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

INDEXED

P 513169

A 39226

DISTRICT _____

DATE 12/8/1999

DATE SYSTEM APPROVED 12/13/99

INSPECTOR BB

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
~~XXXXXX~~ 410-313-2640

Covey Construction IS PERMITTED TO INSTALL ALTER _____

ADDRESS P.O. Box 254, Woodstock, MD 21163 PHONE 410-750-0398

SUBDIVISION Foxport Plantation LOT 13 ROAD 15521 Foxpaw Trail

PROPERTY OWNER C. Stuart Knudsen

ADDRESS _____

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

240 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 320

TRENCHES - Trench to be 2 feet wide. Inlet 4 feet below original grade. Bottom maximum depth 7 feet below original grade. Effective area begins at 4 feet below original grade. 3 feet of stone below distribution pipe.

LOCATION - Place the distribution box 410 feet up the left lot line (620') and 60 feet from the same lot line. Run the trenches on contour in both directions.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. 10/7/99 OK-SRK
Maintain a minimum 100 feet separation distance between well and any part of septic system.

PLANS APPROVED BY Raymond Hodges/Ronald J. Pinkley REVISED _____ DATE 9/7/1999

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. 90° ELBOWS NOT ACCEPTABLE.

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 TRENCH(ES) ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH(ES)

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 35/40 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 PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET, MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

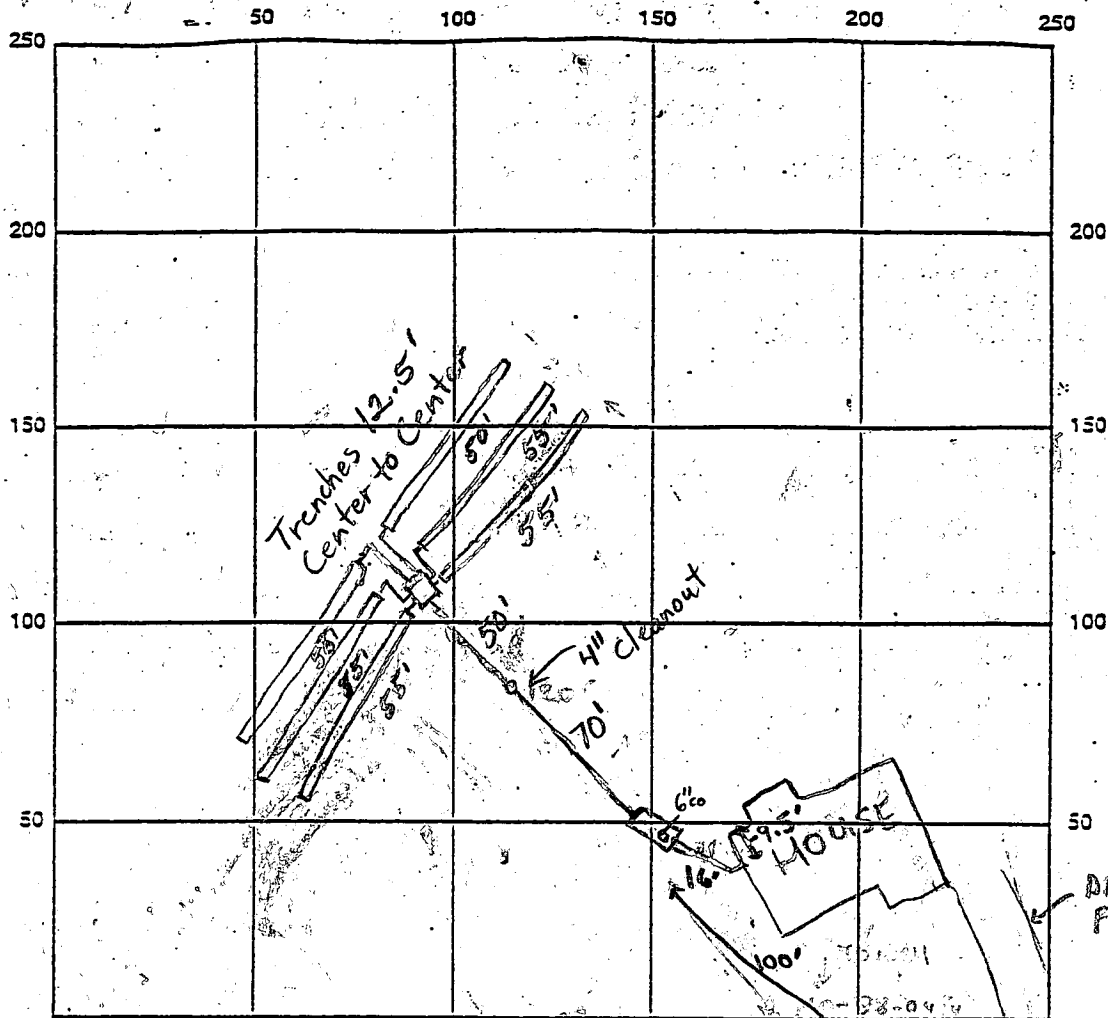
*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEM.

BUILDING PERMIT SIGNED AND RETURNED

8/7/2002 B00137874 PORCH + DECK

A 39226



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE
 FOXPAW TRAIL

SEPTIC TANK LEVEL 1250 gallon mid seam CLEANOUTS 6" @ Septic Tank, 4" line cleanout

DISTRIBUTION SOX LEVEL O.K.

DRAIN FIELD/TITLE DEPTH 7 FT. TRENCH WIDTH 2 FT. INLET DEPTH 4 FT.

EFFECTIVE GRAVEL DEPTH 3 FT. TOTAL LENGTH 320 FT. (4x55') + (2x50')

NUMBER OF TRENCHES 6 ONE SIDEWALL/BOTTOM AREA 960 SQ. FT.

DRYWALL INSIDE DIAMETER N/A FT. EFFECTIVE DEPTH BELOW INLET N/A FT.

ABSORBENT AREA N/A SQ. FT.

REMARKS: 12/9/99 - MET WITH CONTRACTOR IN FIELD TO RESOLVE CONTOUR ISSUES,
OK TO INSTALL SYSTEM PARTLY OUT OF THE AREA TO MATCH CONTOUR - SEE
COPIED PLAN FOR CONTINUOUS WORK (SRK) 12/13/99 System O.K. O.K. to
cover everything (BB)

DATE SYSTEM APPROVED 12/13/99 INSPECTOR B. Baker

APPLICATION

PERCOLATION TESTING

A 39226
P _____
DISTRICT 4TH
DATE 4-24-89

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 461-9933

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I, HEREBY, APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER DONALD RIPPEON Knudsen Homes, Inc

ADDRESS 15474 BUSHY PARK RD PHONE 465-2222

PROSPECTIVE BUYER UNITED GENERAL CONTRACTORS

ADDRESS 8370 COURT AVE, ELLICOTT CITY PHONE 461-2227

PROPERTY LOCATION: FOXPORT PLANTATION
SUBDIVISION RIPPEON PROPERTY LOT NO. 13

ROAD AND DESCRIPTION CORNER OF CARR'S MILL & BUSHY PARK ROAD, WOODINE,
HOWARD COUNTY 15521 Foxpaw Trail

TAX MAP 14 & 8 PARCEL # 9 & 12

SIZE OF LOT @ 3 acre lot TYPE BLDG. SFD
(SINGLE FAMILY DWELLING OR COMMERCIAL)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT.

Donald Rippeon SECRETARY
(SIGNATURE OF APPLICANT)

APPROVED BY B. Hodges FOR Trench DATE 1/26/89

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

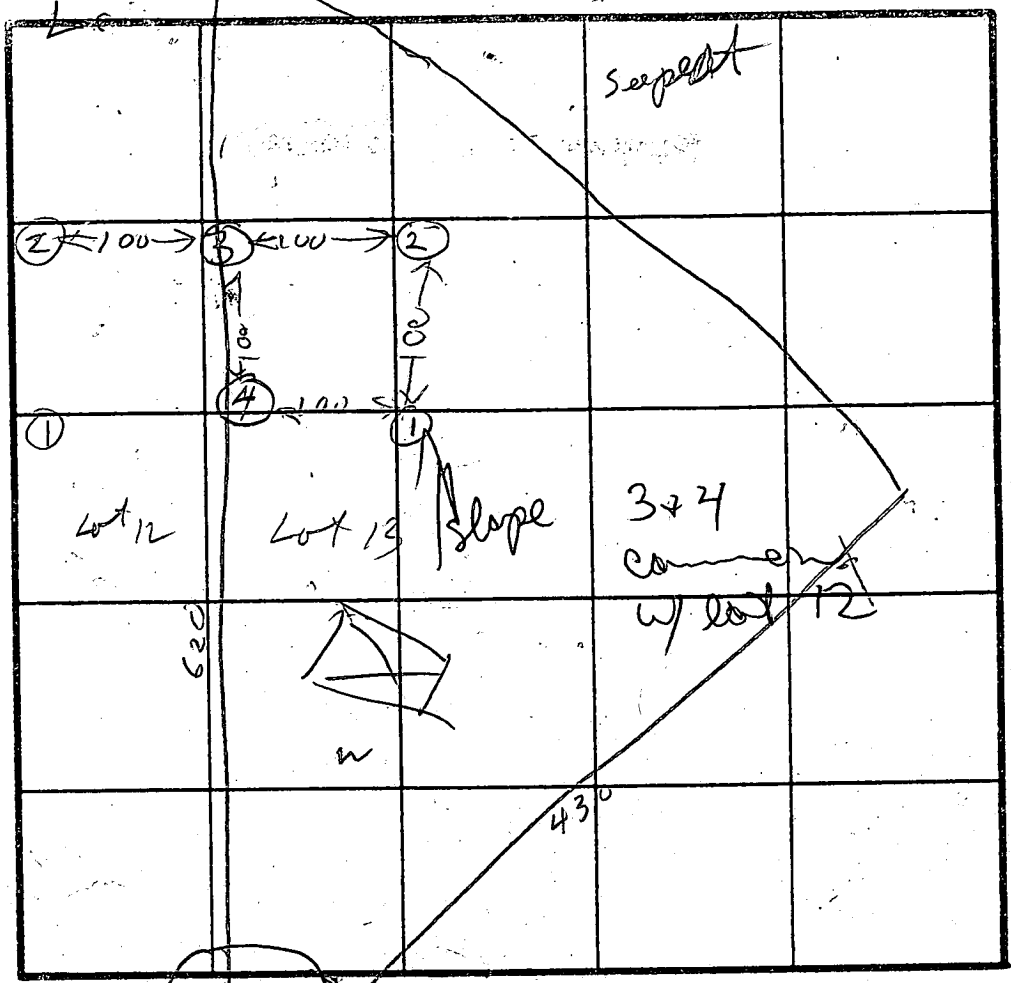
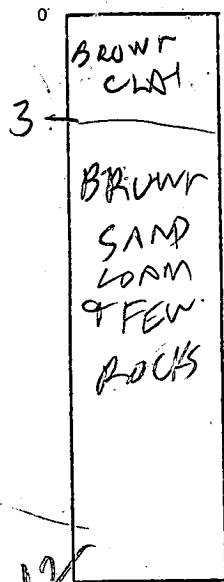
REASONS FOR REJECTION OR HOLDING 6/19/87 Perce OK Hold for Plat BH
1/29/89 Special written

BLDG. PERMIT SIGNED
AND RETURNED 7/18/89
Serial # 27659 SFD - 5 Bldg.

THIS IS NOT A PERMIT

Lot 13

SOIL PROFILE

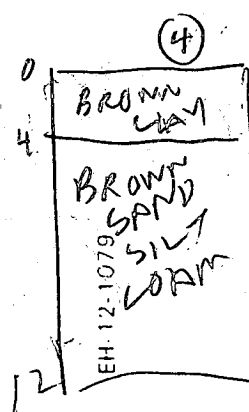
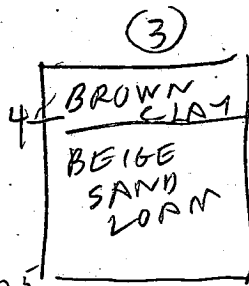
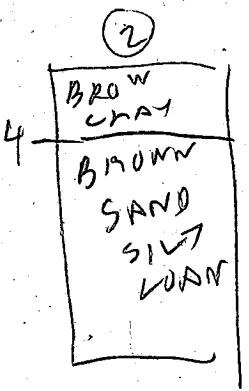


HOLE ELEVATION

①④ = HIGH
②③ = LOW

Max Depth
4 ft
at time
13 min

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.



DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
6/19/87	1 S	3.5	1205	1223	1223	1252	29
	1 D	8	1206	1206	1208	1213	25
	1 V	12					2V
	2 S	4	1215	1230	1230	1242	12
	2 V	12					
	3 S	5	1141	1146	1146	1201	5
	3 V	12.5	OK				
6/19/87	4 S	4	1151	1212	1212	1227	15
	4 V	12	OK				

ON LINE
LOTS 12 & 13
ON LINE
LOTS 12 & 13

REMARKS all Hand dug per test Plan

TYPE OF SOIL

TESTED BY R. HODGES

Paul J. DONNIN
GEN CONN KYLO
ALSO PRESENT

C1 6761 SEQUENCE NO. (DENV USE ONLY)
1 2 3 6
(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

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.
COUNTY NUMBER A 39226

DATE Received 8 13 DATE WELL COMPLETED 15 20 06/27/89
Depth of Well 22 205 26 (TO NEAREST FOOT)
PERMIT NO. FROM "PERMIT TO DRILL WELL" 28 29 30 31 32 33 34 35 36 37 110-28-0414

OWNER GROUP BRYANT
STREET OR RFD last name FOX DAW TRAIL first name TOWN GLEN WOOD
SUBDIVISION FOXPORT PLANTATION SECTION LOT 13

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	
Brown shale	0	55	
Blue Rock	55	225	✓

GROUTING RECORD
WELL HAS BEEN GROUTED (Circle Appropriate Box) YES Y NO N
TYPE OF GROUTING MATERIAL CEMENT CM BENTONITE CLAY BC
CEMENT NO. OF BAGS 12 NO. OF POUNDS 1128
GALLONS OF WATER 22
DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 42 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 5 1/2 6 40
Nominal diameter top (main) casing (nearest inch) Total depth of main casing (nearest foot)

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

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

DEPTH (nearest ft.)
EACH SCREEN 1 40 2 28 3 205

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. 724
DRILLERS SIGNATURE
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

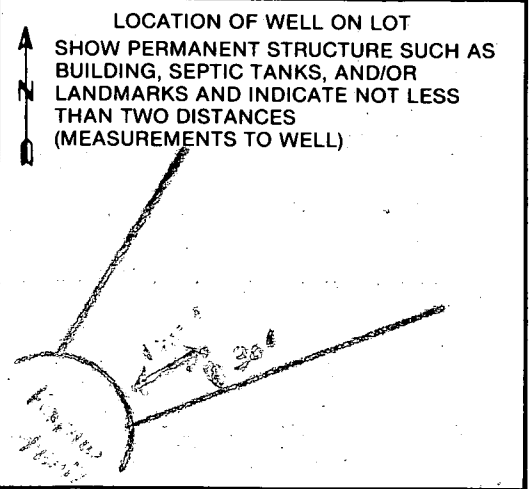
SLOT SIZE 1 2 3
DIAMETER OF SCREEN 56 60 (NEAREST INCH)
from to

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

C 3
PUMPING TEST
HOURS PUMPED (nearest hour) 2
PUMPING RATE (gal. per min. to nearest gal.) 95
METHOD USED TO MEASURE PUMPING RATE Bucket
WATER LEVEL (distance from land surface) BEFORE PUMPING 45 WHEN PUMPING 110
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) 31 35
PUMP HORSE POWER 37 41
PUMP COLUMN LENGTH (nearest ft.) 43 47
CASING HEIGHT (circle appropriate box and enter casing height) + above - below LAND SURFACE 2 (nearest foot)



COUNTY

B 1 3545

SEQUENCE NO. (DP USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL

STATE PERMIT NUMBER

10-88-0414

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

please print or type

fill in this form completely

Date Received (APA)

21 10 89

OWNER INFORMATION

FHE BRYANT GROUP

2815 HARLAND I. CHAD

FALLS CHURCH VA 22043

B 3

LOCATION OF WELL

HOWARD

EXPORT PLANTATION

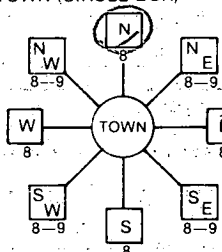
SECTION LOT 13

GLENWOOD

MILES FROM TOWN (enter 0 if in town) 2.5 MI

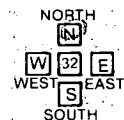
B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Foppas trail

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



DISTANCE FROM ROAD 125

ENTER FT or MI FT

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)

- 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)

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

HOWARD A 39226

STATE SIGNATURE DATE ISSUED

021789

NORTH GRID EAST GRID

APPROXIMATE DEPTH OF WELL 220 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

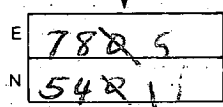
REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

- 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 deepen an existing well
Permit number of well to be replaced or deepened

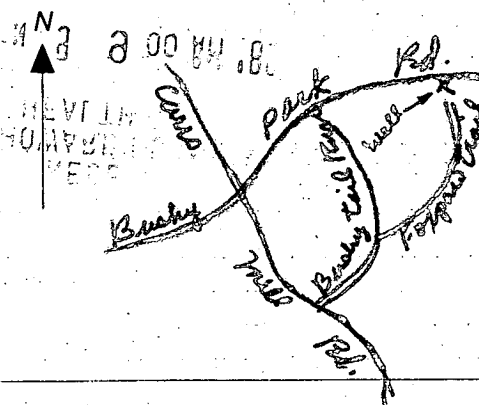
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER

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



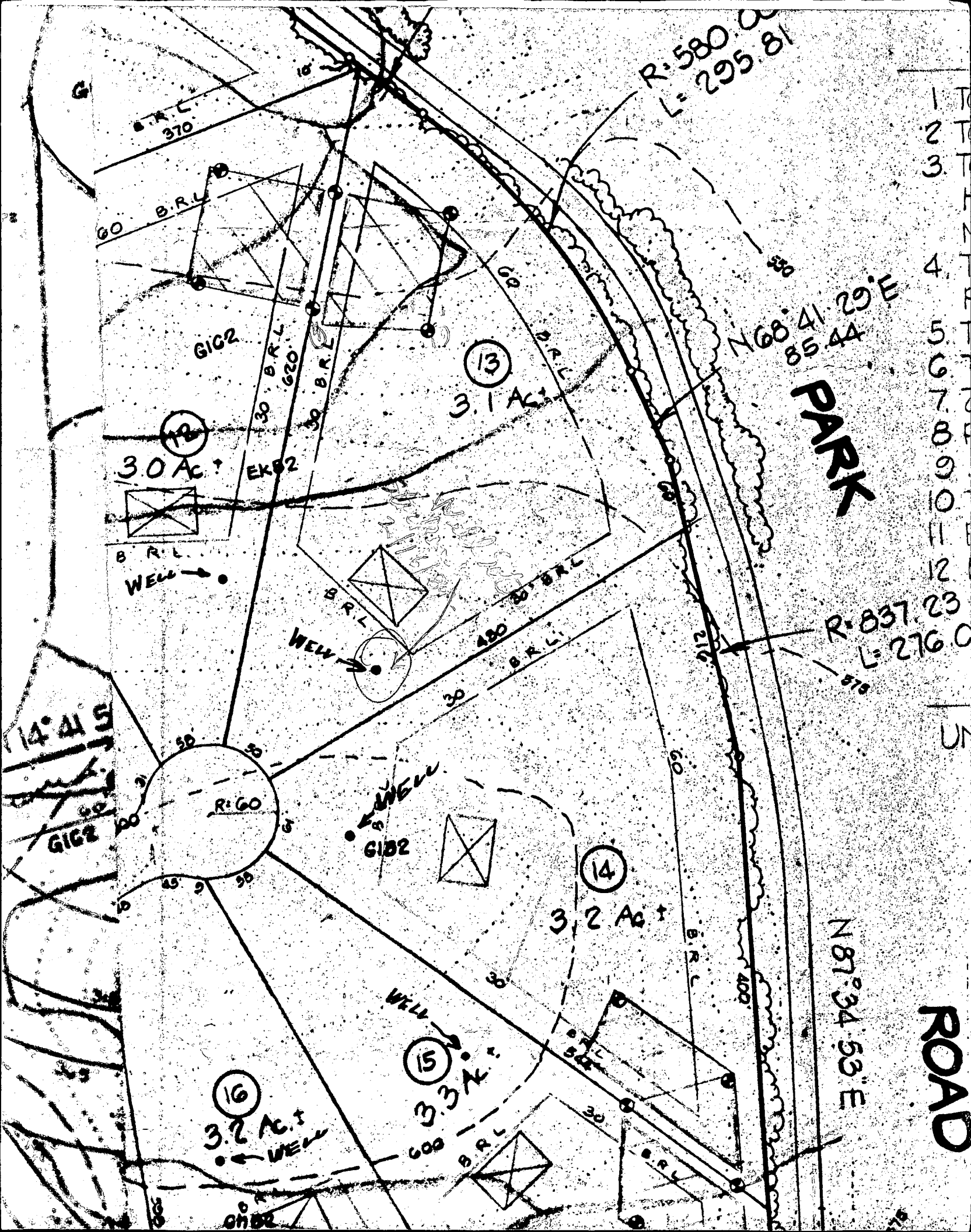
Not to be filled in by driller (OEP USE ONLY)

APPROP. PERMIT NUMBER GAP

FORCE INITIALS PERMIT NO. 10-88-0414

SPECIAL CONDITIONS

Blonwood.



R: 580.00
L: 295.81

B.R.L.
370

60 B.R.L.

GIC2

30 B.R.L.
620

30 B.R.L.

13

3.1 Ac

60 B.R.L.

N68°41'29"E
85.44

PARK

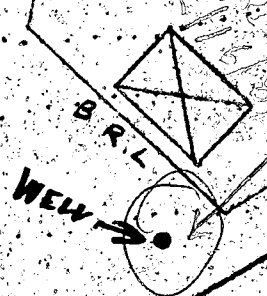
12

3.0 Ac

EK52



B.R.L.
WELL →



WELL →

480 B.R.L.

30 B.R.L.

R: 837.23
L: 276.0

N14°41'S



R: 60



GIB2

14

3.2 Ac

WELL →

15

3.3 Ac

600 B.R.L.

16

3.2 Ac

WELL →

N87°34'53"E

ROAD

1
2
3
4
5
6
7
8
9
10
11
12
UN

2/16/00
Anytime

HOWARD COUNTY HEALTH DEPARTMENT
Bureau of Environmental Health
3525-H Ellicott Mills Drive
Ellicott City, MD 21043
~~410-313-2548~~

Phone 313-2640
Fax 313-2648

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation
Replacement

Receipt # _____
Date 2/16/00

Name of Installer Michael P. Gartland

Telephone (410) 549-1755

License Number 6353
Certified Well Pump Installer

Well Driller

Registered Plumber

Name of Property Owner Knudsen Homes
Subdivision Foxport Plantation Lot # 13
Site Address 15521 Foxpaw Trl

Telephone (410) 465-2222
Well Tag # HO-88-0414

Pump

- 1. Type
 - a. Deep well jet _____
 - b. Shallow well jet _____
 - c. Submersible
- 2. Make Goulds
- 3. Model # 75005
- 4. Capacity 7 GPM 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 _____

Motor

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

Pitless Adapter

- 1. Make Harvard
- 2. Model # PT 800
- 3. Depth 42"

Tank

- 1. Capacity 40
- 2. Pressure relief valve? 75 lbs

Piping

- 1. Type Plastic
- 2. Size 1"
- 3. NSF and/or BOCA Code approved
- 4. Depth of supply line 40"

Well data

- 1. Depth 220' ft.
- 2. Yield _____ GPM
- 3. Static water level _____ ft.
- 4. Will water supply be disinfected by installer? _____

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.

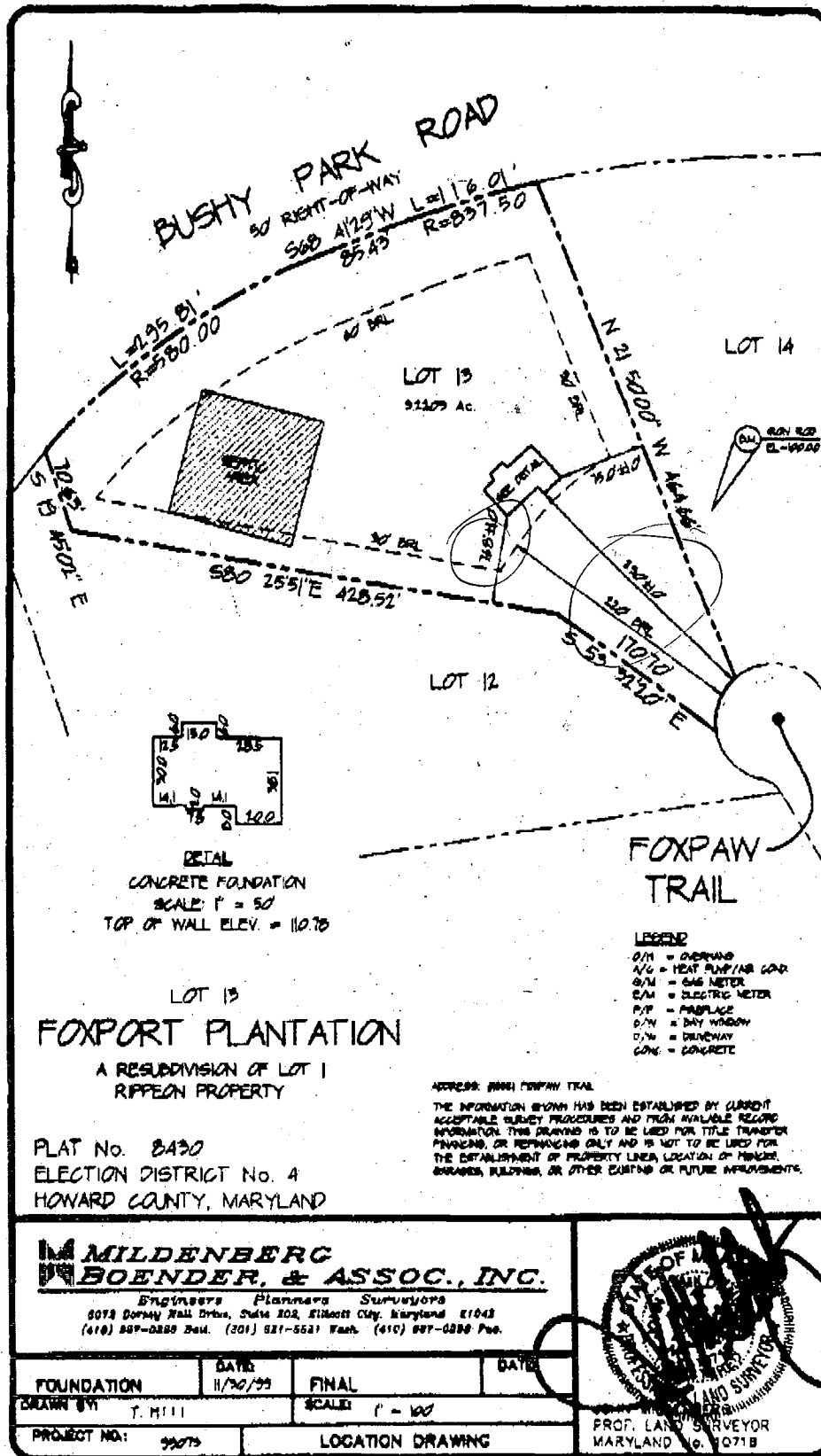
will be OK
40' + " below ground

Signature of Applicant: Michael Swallen

Date: 2/16/00

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

2/16/00
HD-215
Swallen

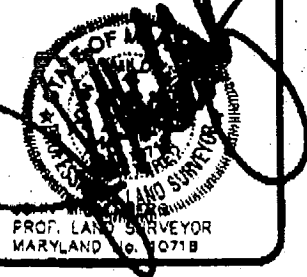


DEC 01 1999

#s Not Readable
 feet house is more or
 less as shown B/P/P
 No Conflict with well
 or septic, OK to proceed
 Septic tank.
 R/P Wilby
 12/15/99

ADDRESS: 3000 FOXPAW TRAIL
 THE INFORMATION SHOWN HAS BEEN ESTABLISHED BY CURRENT
 ACCEPTABLE SURVEY PROCEDURES AND FROM AVAILABLE RECORD
 INFORMATION. THIS DRAWING IS TO BE USED FOR TITLE TRANSFER
 PURPOSES, OR REFINANCING ONLY AND IS NOT TO BE USED FOR
 THE ESTABLISHMENT OF PROPERTY LINES, LOCATION OF HOUSES,
 GARAGES, BUILDINGS, OR OTHER EXISTING OR FUTURE IMPROVEMENTS.

MILDENBERG BOENDER & ASSOC., INC.
 ENGINEERS PLANNERS SURVEYORS
 5075 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21043
 (410) 897-0288 Fax: (301) 821-5521 Wash. (410) 897-0288 Fax



99075/dwg/Wc10115.dwg



BUSHY PARK ROAD

50 RIGHT-OF-WAY

S68 41'29"W L=116.01
85.43 R=837.50

L=295.81
R=580.00

60' DRW

LOT 13
21200 AC

LOT 14



8/7/02
Deck location
O/A
BA

DM 100' R/W
CL=100.00

70.63
S 61° 19' E 45.02

S80 25'51"E 428.50

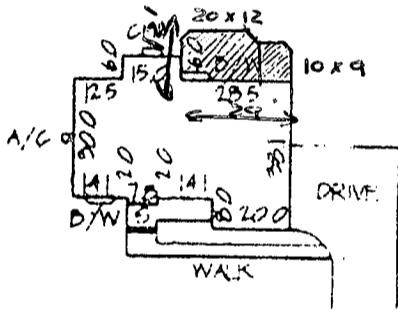
N 21° 50'00" 67.82

N 46° 46'46" 120.50

S 53° 32'20" E 170.70

LOT 12

FOXPAN TRAIL



DETAIL
2 STORY FRAME
SCALE 1" = 50'
FF ELEV = 111.9

- LEGEND
- O/H - OVERLAND
 - A/G - HEAT PUMP/AIR L
 - G/M - GAS METER
 - E/M - ELECTRIC METER
 - P/P - FIREPLACE
 - D/W - DAY WINDOW
 - D/W - DRIVEWAY
 - CONC - CONCRETE
 - Ø - COVERED STUMP

LOT 13 FOXPORT PLANTATION

A RESUBDIVISION OF LOT 1
RIPPEON PROPERTY

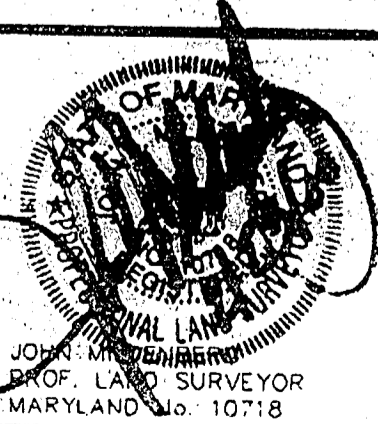
ADDRESS 8004 FOXPAW TRAIL

THE INFORMATION SHOWN HAS BEEN ESTABLISHED BY CURRENT ACCEPTABLE SURVEY PROCEDURES AND FROM AVAILABLE RECORD INFORMATION THIS DRAWING IS TO BE USED FOR TITLE TRANSFER FINANCING OR REMINANCING ONLY AND IS NOT TO BE USED FOR THE ESTABLISHMENT OF PROPERTY LINES, LOCATION OF FENCES, GARAGES, BUILDINGS, OR OTHER EXISTING OR FUTURE IMPROVEMENTS

PLAT No. 8430
ELECTION DISTRICT No. 4
HOWARD COUNTY, MARYLAND

MILDENBERG BOENDER, & ASSOC., INC.

Engineers Planners Surveyors
6072 Dorsey Hall Drive, Suite 202, Elkton City, Maryland 21042
(410) 997-0288 Balt. (301) 621-6621 Wash. (410) 997-0288 Fax



FOUNDATION	DATE: 11/20/99	FINAL	DATE: 02/21/00
DRAWN BY: T Hill	SCALE: 1" = 100'		
PROJECT NO.: 99073	LOCATION DRAWING		