

8/13/97
12-1
8/14/97
10:30
11-2-97
amco.
MPI 11/12/97

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

INDEXED

P 58901C

A 50572-M

DISTRICT 4th

DATE 8-6-97

DATE SYSTEM APPROVED 8-14-97

INSPECTOR KM

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

04-358546

Olen Ketterman

IS PERMITTED TO INSTALL ALTER

ADDRESS 14960 Route 144, Woodbine, Maryland 21797 PHONE 410-442-1336

SUBDIVISION Carriage Mill Farms LOT 26 ROAD 14782 Addison Way

PROPERTY OWNER Oakhill Properties

ADDRESS _____

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 180

TRENCHES - Trench to be 2 feet wide. Inlet 4 feet below original grade. Bottom maximum depth 8 feet below original grade. Effective area begins at 4 feet below original grade. 4 feet of stone below distribution pipe.

LOCATION - Place distribution box 175 feet from the front lot line (146.96') and 50 feet from the right lot line. Run trenches along contour toward front of lot.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. OK 7/1/97 DKS

PLANS APPROVED BY K. Sykes/C. Williams/ Mark Rifkin

REVISED DATE 06/30/97

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

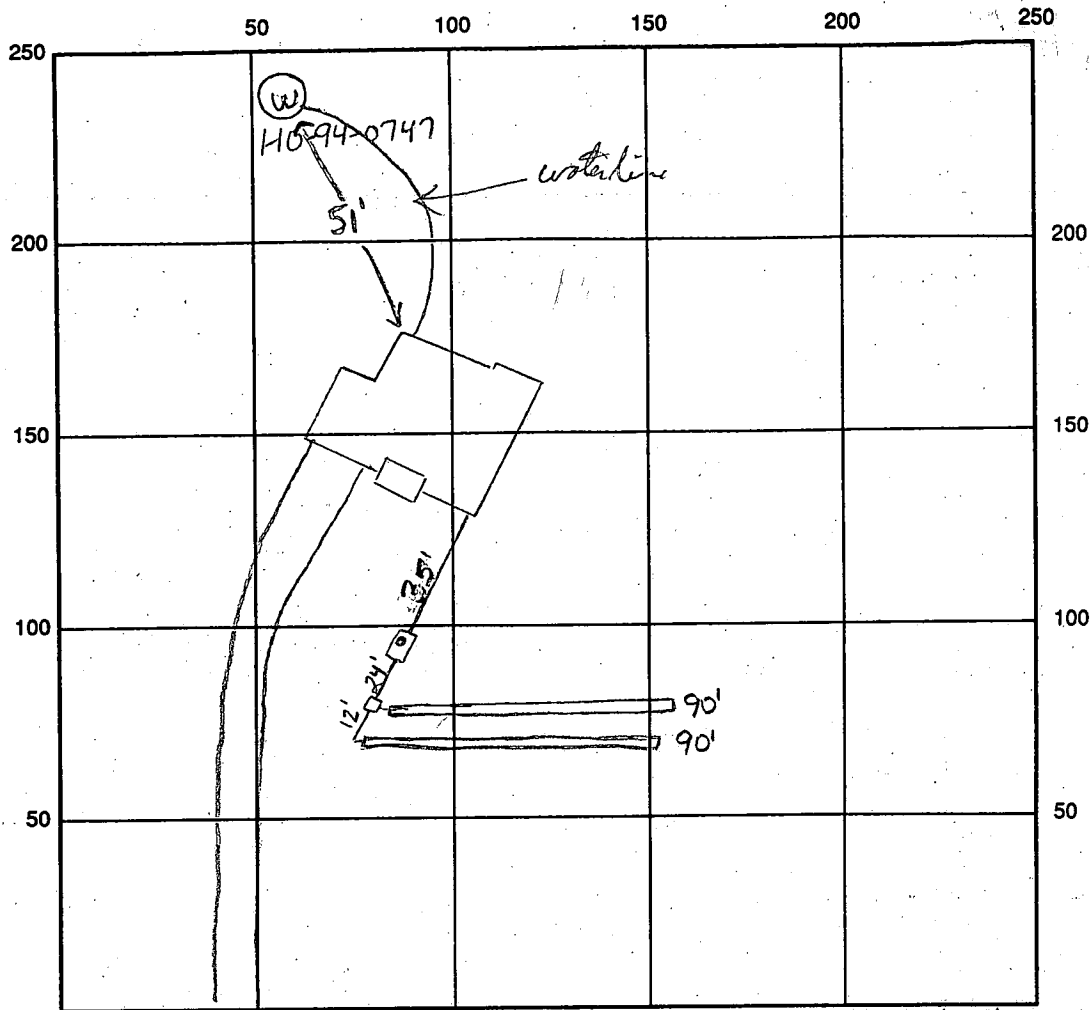
PERMIT VOID AFTER TWO YEARS

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**

A 50572 M



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE Addison Way

SEPTIC TANK LEVEL OK CLEANOUTS 1 on tank

DISTRIBUTION BOX LEVEL OK, baffle in

DRAIN FIELD/TITLE DEPTH 8.0 FT. TRENCH WIDTH 2.0 FT. INLET DEPTH 4.0 FT.

EFFECTIVE GRAVEL DEPTH 4.0 FT. TOTAL LENGTH 90x2 FT. → 180

NUMBER OF TRENCHES 2 ONE SIDEWALL/BOTTOM AREA 720 SQ. FT.

DRYWALL INSIDE DIAMETER — FT. EFFECTIVE DEPTH BELOW INLET — FT.

ABSORBENT AREA — SQ. FT.

REMARKS: 8-13-97 Tank set - no other work done ALM

8/14/97 has house connection, OK to cover all work (KM)

WPI - Plumbing, electrical & water lines OK @ 4 1/2 H off. 11/14/97

DATE SYSTEM APPROVED 8/14/97 INSPECTOR Kimberly Maiste

APPLICATION

PERCOLATION TESTING

A 50572M

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2640

DISTRICT 4

DATE March 6, 1995

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Oak Hill Properties, L.L.C.

ADDRESS 11501 Huff Court, North Bethesda, MD 20895 PHONE 301 816 9433

AGENT OR PROSPECTIVE BUYER Oak Hill Properties, L.L.C. / c/o Ralph E. Bice, III

ADDRESS Same as Above PHONE Same As Above

PROPERTY LOCATION:

SUBDIVISION Berkshire Estates LOT NO. 29 2/10

ROAD AND DESCRIPTION Property is located on the Northeast Side of the intersection of Route 144 and Old Frederick Road. (14782 Addison Way)

TAX MAP 8 PARCEL # 158 & 79

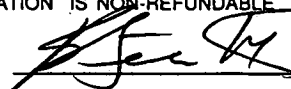
SIZE OF LOT Average size equals 60,000Sq. Feet TYPE BLDG. Single Family Detached
(SINGLE FAMILY DWELLING OR COMMERCIAL)

BLDG. PERMIT SIGNED

AND RETURNED

6-30-97
Serial # B0106579
SFD-4Bm

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.



(SIGNATURE OF APPLICANT)
Ralph E. Bice, III

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING _____

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # _____ DATE _____

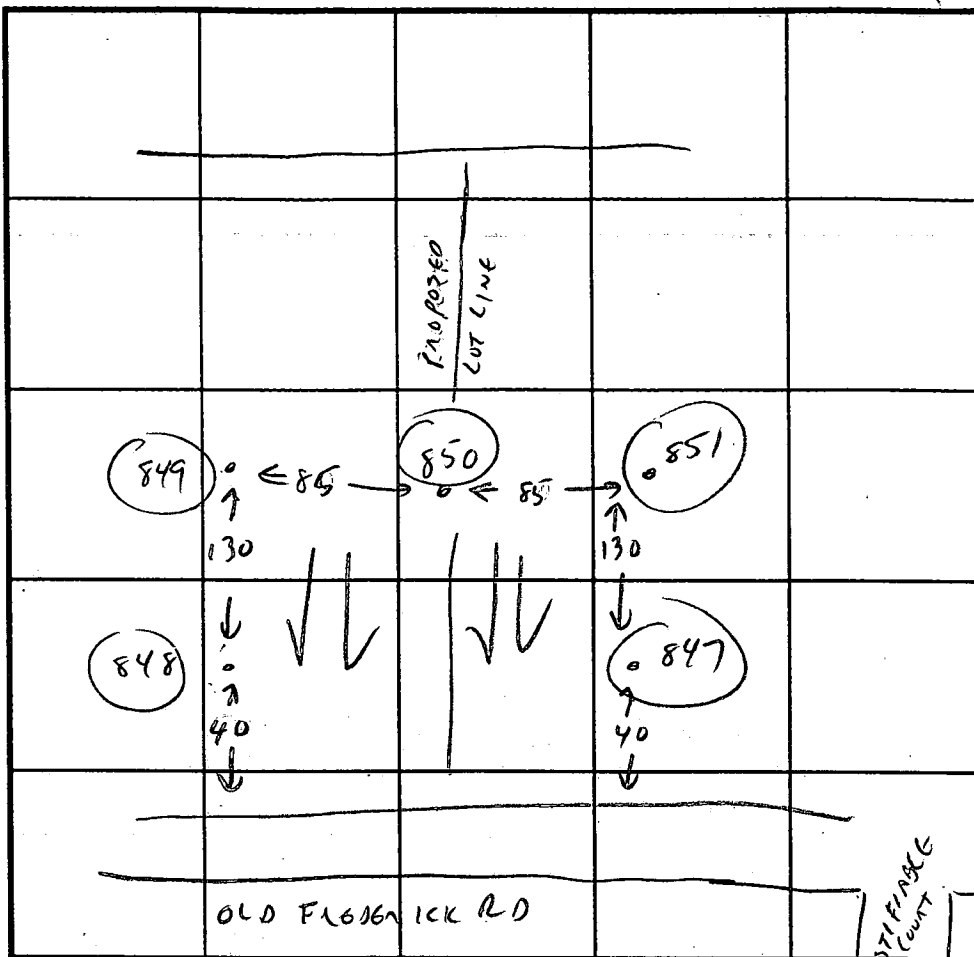
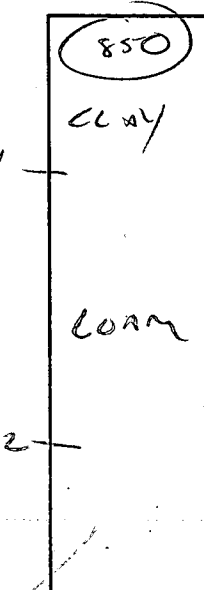
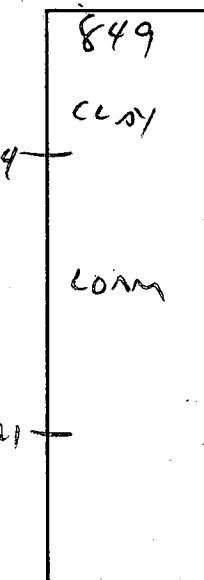
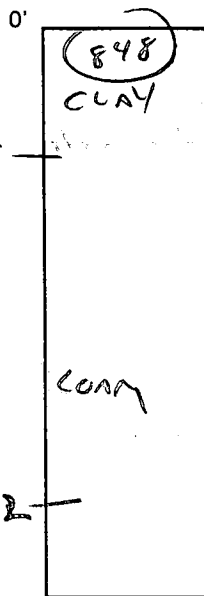
SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # _____ DATE _____

THIS IS NOT A PERMIT

A 50572 M

COUNTY #

SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4/4/95	848	5 8	3:55	4:01	4:01	4:10	9 MIN
		11	VL	OK	5-11		
	849	4 8	VL	OK			
		12	LOAM	4-12			
	850	3 1/2 8	4:03	5:00	4:03	4:10	2 MIN
		12					
	SEE ALSO HOLES A-D		OF 4/4/89 BY CBS				

REMARKS

TYPE OF SOIL DEEP LOAM

TESTED BY CWILLIAMS

ALSO PRESENT R. BICE

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 9 MIN

TRENCH WIDTH 2

INLET DEPTH 4

MAXIMUM BOTTOM DEPTH 8

SQ. FT./BEDROOM 180

APPLICATION

PERCOLATION TESTING

A 43352

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
PO BOX 476 ELLICOTT CITY MARYLAND 21043
TELEPHONE 461-9933

DISTRICT 474

DATE 1-6-89

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 JOSEPH B. BERNE

ADDRESS 414 TIMBERCOVE CIRCLE-LOWENWOOD, FL. 32779 PHONE 407-869-6717

PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

CARRIAGE MILL LOT 26

SUBDIVISION BERKSHIRE Estates LOT NO. 16
19 13 24

ROAD AND DESCRIPTION _____

TAX MAP 8 PARCEL # 158

SIZE OF LOT 3.00 TYPE BLDG SF
(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.

Joseph B. Berne
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING _____

HD-216

THIS IS NOT A PERMIT

TEST HOLES A & B ARE ON

RECONFIGURED LOT 26
CARRIAGE MILL - PHASE I

(C & D ARE ON LOT 25)

SOIL PROFILE

T. SOIL

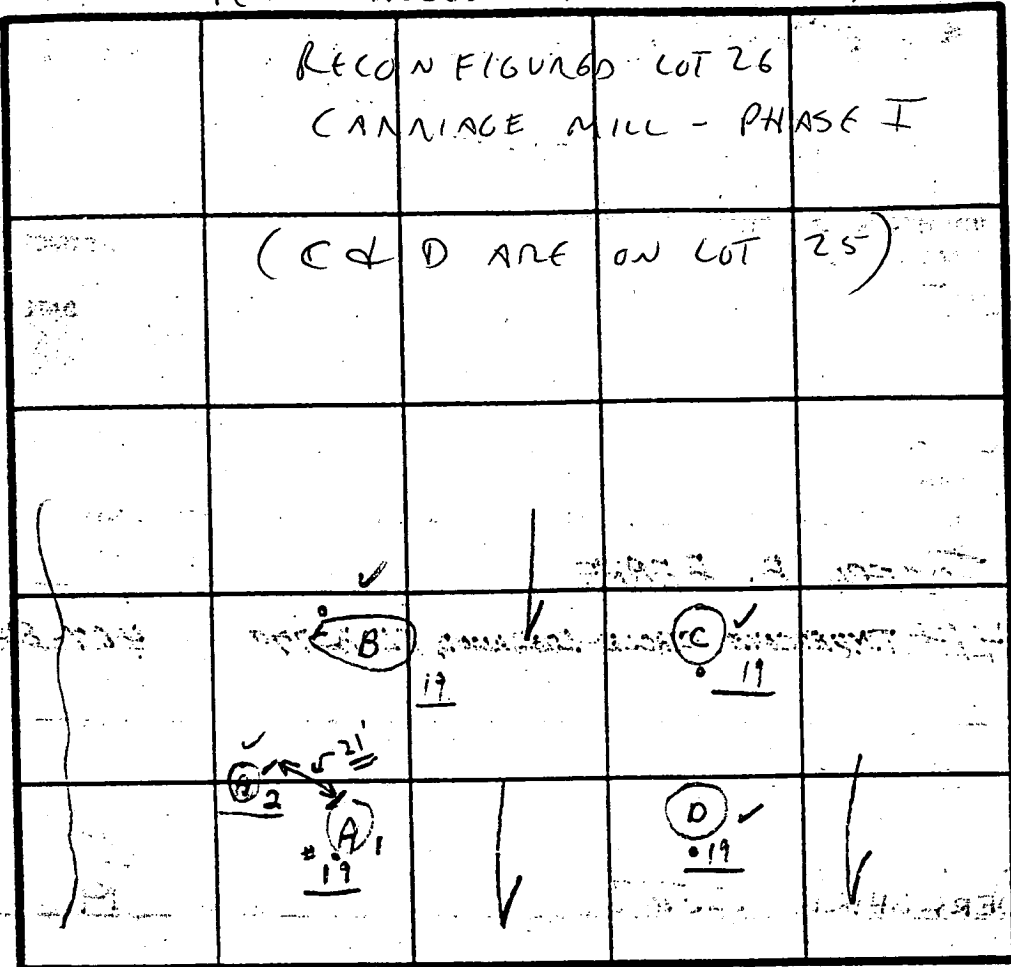
CLAY

THIN

LOAM

BOTTOM

WOODS



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

OLD FREDERICK RD

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1' DROP		TIME
			START	STOP	START	STOP	
4/4/89	19 D	5 1/2'	9:24	9:27	9:27	9:33	6m
		14'-8"					Visual - loam
		6 1/2'	9:26	9:52	9:52	9: (Pulled 10:13)	13) 1/2"
	19 A	15 1/2'			9 1/2'	10:15 1/2'	See note to Day 1
	New hole	6 1/2'	9:50	9:57	9:57	10:11	14m
							LOAM
	19 C	4'	9:35	9:37	9:37	9:41	4m
		14 1/2'					Visual loam
	19 B	5 1/2'	9:36	9:53	9:53	10:10	15 1/4"
	LOAM	9 1/2'	9:38	9:42	9:42	9:47	5m
		6'	9:56	10:01	10:01	10:22	21m

REMARKS

4/4 Tests in open

TYPE OF SOIL

Test per stake

TESTED BY

C.B.D.

ALSO PRESENT

{ Arnold }

C1 0213

SEQUENCE NO. (MDE USE ONLY)

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 A50572M

ST/CO USE ONLY DATE Received

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

DATE Received grid

042996

22 200 26 (TO NEAREST FOOT)

40-94-0747

OWNER OAK HILL PROPERTIES, L.L.C. STREET OR RFD last name first name TOWN COCKESVILLE SUBDIVISION CARRIAGE MILL SECTION LOT 26

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, red clay, brown shale, Sand Stone, Silt, Mica, Quartz, Mica, Sand Stone, Mica.

GROUTING RECORD

WELL HAS BEEN GROUTED (Circle Appropriate Box) YES (Y) NO (N)

TYPE OF GROUTING MATERIAL (Circle one)

CEMENT (CM) BENTONITE CLAY (BC)

NO. OF BAGS 15 NO. OF POUNDS 1500

GALLONS OF WATER 75

DEPTH OF GROUT SEAL (to nearest foot)

from 0 ft. to 60 ft. (enter 0 if from surface)

CASING RECORD

Form for casing types: ST (STEEL), CO (CONCRETE), PL (PLASTIC), OT (OTHER)

MAIN CASING TYPE Nominal diameter top (main) casing (nearest inch)! Total depth of main casing (nearest foot)

ST 6 65

OTHER CASING (if used)

Form for other casing diameter and depth

SCREEN RECORD

Form for screen type: ST (STEEL), BR (BRASS BRONZE), PL (PLASTIC), HO (OPEN HOLE), OT (OTHER)

NUMBER OF UNSUCCESSFUL WELLS:

WELL HYDROFRACTURED YES (Y) NO (N)

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.

TYPE: MWD/MSD/MGD 40

DRILLERS LIC. NO. 40

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. 501

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

DEPTH (nearest ft.)

Grid for depth measurements: 1-51

SLOT SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH)

Grid for slot size and diameter

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

Form for gravel pack

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) (E.R.O.S.)

Form for MDE use only

TELESCOPE CASING LOG INDICATOR OTHER DATA

C 3

PUMPING TEST

HOURS PUMPED (nearest hour) 3

PUMPING RATE (gal. per min.) 10

METHOD USED TO MEASURE PUMPING RATE Bucket

WATER LEVEL (distance from land surface) BEFORE PUMPING 42 ft.

WHEN PUMPING 50 ft.

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 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)

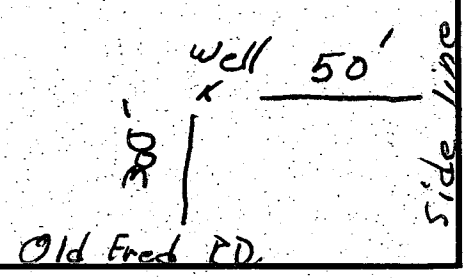
PUMP HORSE POWER

PUMP COLUMN LENGTH (nearest ft.)

CASING HEIGHT (circle appropriate box and enter casing height)

LAND SURFACE (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)



HOWARD COUNTY HEALTH DEPARTMENT
Bureau of Environmental Health
3525-H Ellicott Mills Drive
Ellicott City, MD 21043
461-9933

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation
Replacement

Receipt # _____
Date 11-12-97

Name of Installer Darren Wilson

Telephone 301-831-7057

License Number _____
Certified Well Pump Installer Well Driller _____ Registered Plumber _____

Name of Property Owner Oak Hill Procop. Telephone 410-489-5499
Subdivision Carriage Mill Farms Lot # A6 Well Tag # 110-94-0747
Site Address 14782 Addison Way

Pump

- Type
 - Deep well jet _____
 - Shallow well jet _____
 - Submersible
- Make Goulds
- Model # 7G505422
- Capacity 7 GPM
- Pump exceeds well capacity Yes _____ No
- If Yes, is low pressure cutoff switch installed? Yes _____ No _____
- What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors _____ Cable guards Other _____

Motor

- Horsepower 1/2
- RPM 3450
- Voltage _____
 - 110 _____
 - 220

Pitless Adapter

- Make Morrison
- Model # B 10X
- Depth 3 1/2

Tank

- Capacity 33 gallon
- Pressure relief valve? Yes

Piping

- Type P.E.
- Size 1"
- NSF and/or BOCA Code approved Yes
- Depth of supply line 3 1/2'

Well data

- Depth 200 ft.
- Yield 20 GPM
- Static water level _____ ft.
- Will water supply be disinfected by installer? Yes

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.

Signature of Applicant: _____

Date: _____

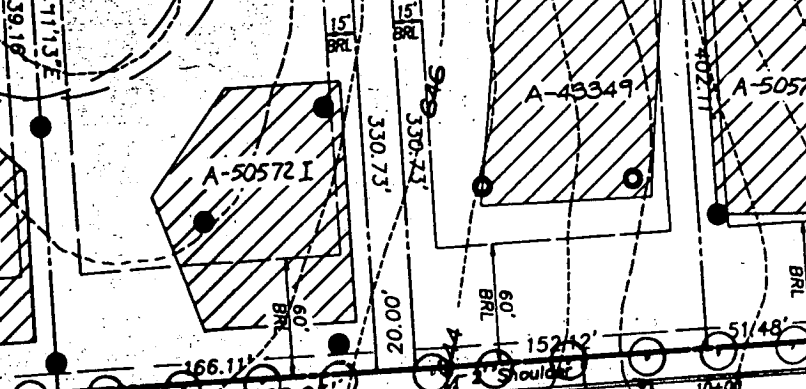
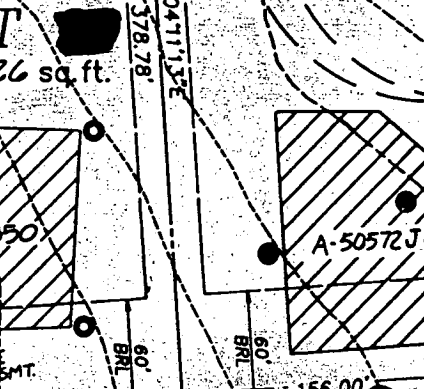
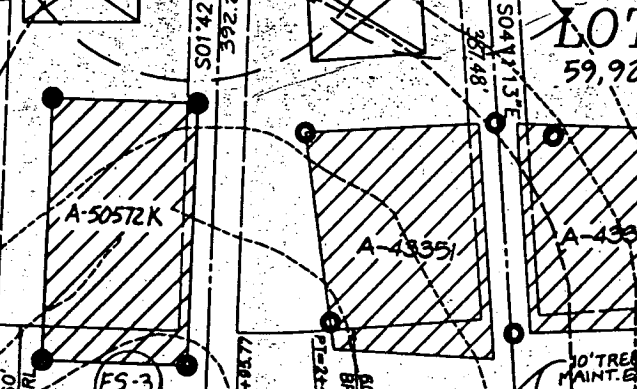
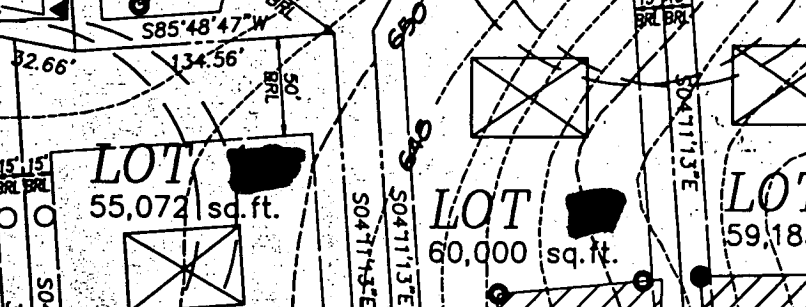
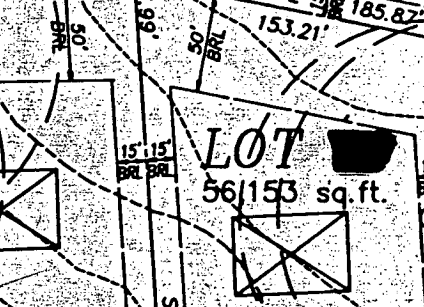
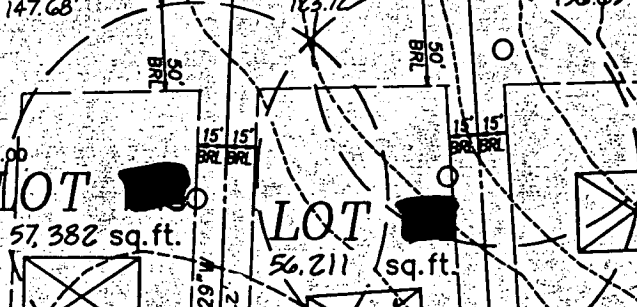
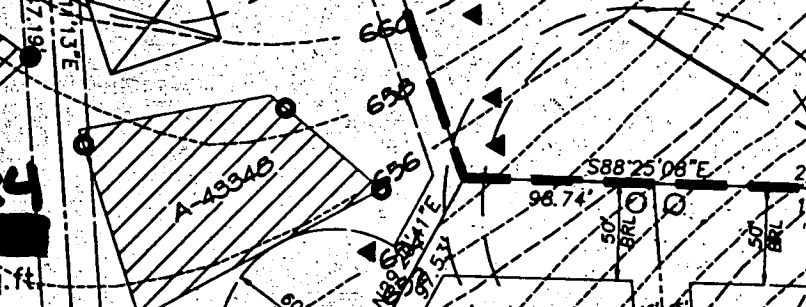
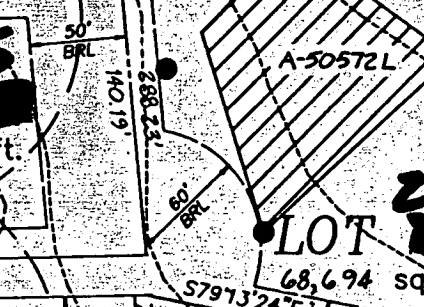
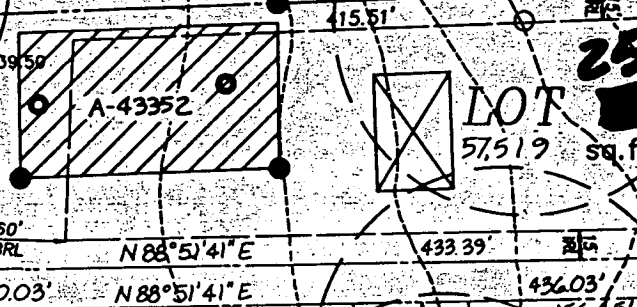
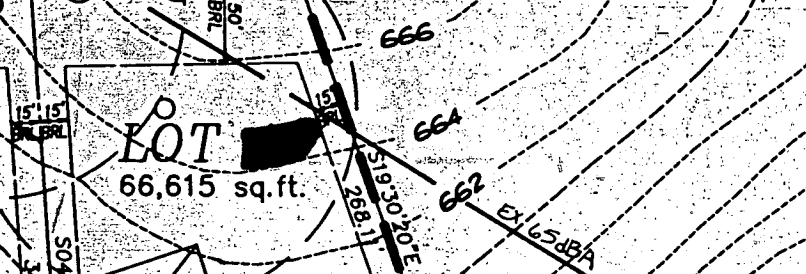
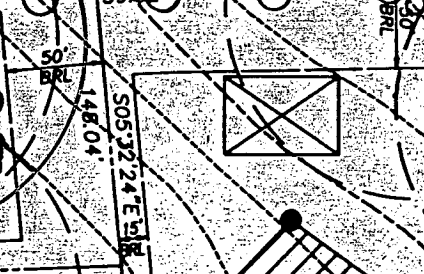
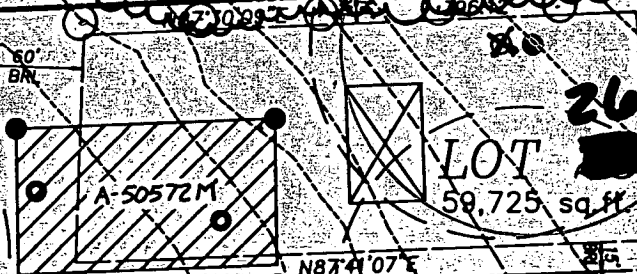
Note: A sticker indicating approval/status of the installation will be placed on the well casing at the time of the inspection.

OLD FRED. RD (NOW ADDISON WAY)

JOSEPH D. BERKE
OWNER 485 FOLD AKA
Zoned R6-PED

+ 671.50

300 TO ROAD



10' TREE MAINT. ESMT.

(ES-3)

Shoulder

MINIMUM
LOT SIZE

2,000 sq. ft.

RR Spike found
in pavmt.

TA
54"
751"

LOT 1

LOT 2

BLE

LAND DEDICATED TO HOWARD COUNTY
FOR THE PURPOSE OF A PUBLIC ROAD
(OLD FREDERICK ROAD - 0.6162 AC.)

FREDERICK
ROAD

ROAD

Joseph B. Berke
L. 485 F. 401 RC-DEO

461.75' (5) 1.5" Iron Pipe found

N88°51'11"E

699.83'

413.9

(4)

(41)

N87°30'09"E

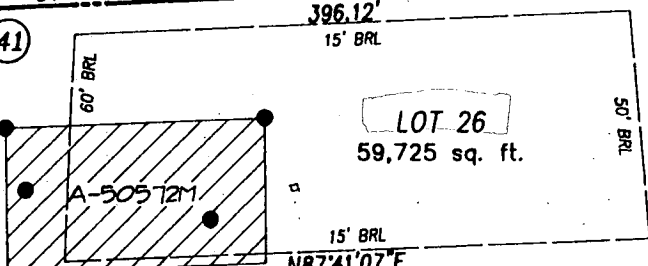
396.12'
15' BRL

39.02'

148.05'

26.61'

146.96'

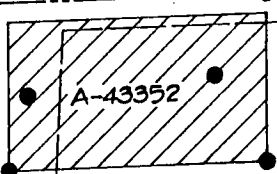


LOT 26
59,725 sq. ft.

N87°41'07"E

415.51'

131.44'



LOT 25
57,519 sq. ft.

N88°51'41"E

433.39'

1004.70'

20.03'

S88°51'41"W

436.03'

148.04'

S05°32'24"E

15' BRL

288.23'

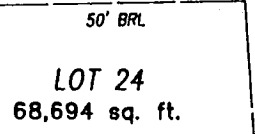
140.19'

60' BRL

15' BRL

185.87'

N79°13'24"W



LOT 24
68,694 sq. ft.

S04°11'15"E

347.19'

15' BRL

185.87'

N79°13'24"W

S19°30'20"E
268.11'

10' Public Tree Maintenance Easement

N 544250

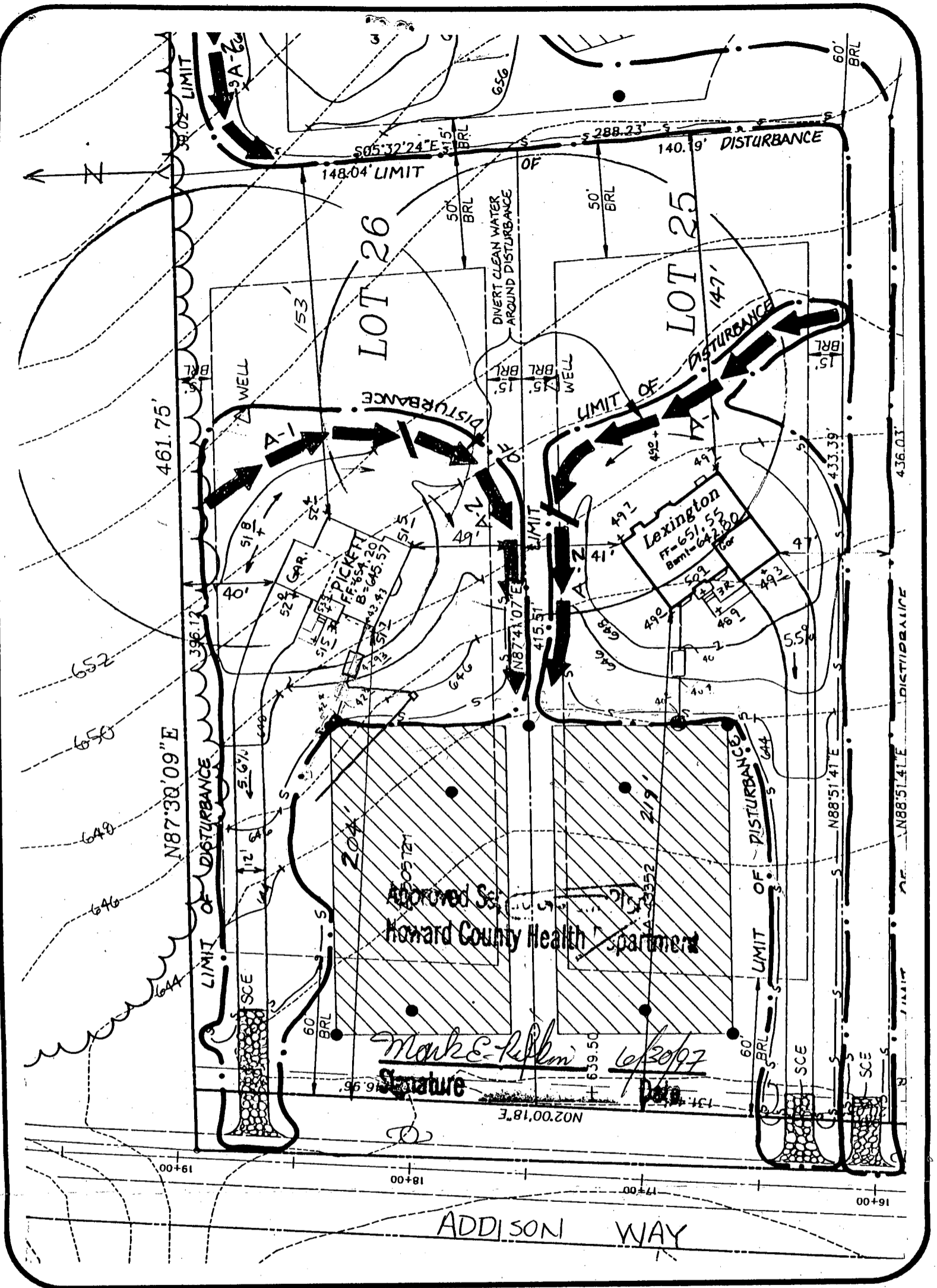
E 792000

S88°17'31"E
20.00'

N01°04'51"E
20.00'

Part of Non-Buildable Bulk Parcel C

Partial Area This Plat = 1,326,234 sq. ft., 30.4461 Ac.
Total Area = 2,024,783 sq. ft., 46.4826 Ac.



CARRIAGE MILL FARMS

PHASE I
LOT 26
BUILDING PERMIT

DATE: 6/23/97

PROJECT NO.:
95005.22

DRAWN BY: PFB

SCALE:
1"=50'

SEPTIC DATA

INV. OUT OF HOUSE = 643.43
INV. INTO SEPTIC TANK = 642.93
INV. OUT SEPTIC TANK = 642.60
INV. INTO DIST. BOX = 641.70
EX. ELEV @ DIST. BOX = 645.70

GP-96167

R.M. MOCHI GROUP, P.C.

CML ENGINEERS
LAND SURVEYORS
PLANNERS
ENVIRONMENTAL

3300 N. Ridge Road, Suite 235
Ellicott City, MD 21043-3350

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410-461-0079
Fax: (410) 750-6340
301-865-5111