

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

04-362128

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~XXXXXX~~

410-313-2640

P 511459

A 50572-S

DISTRICT

DATE 3/12/99

DATE SYSTEM APPROVED 3/23/99

INSPECTOR *[Signature]*

INDEXED

Olen Ketterman

IS PERMITTED TO INSTALL ☒ ALTER ☐

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

SUBDIVISION Carriage Mill Farms LOT 53 ROAD 14765 Carriage Mill Drive

PROPERTY OWNER Oakhill Properties

ADDRESS

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

210 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 280

TRENCHES - Trench to be 3 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 5 feet below original grade. Effective area begins at 3 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Begin trenches 215 feet up the right (306.88') lot line and 10 feet off that same lot line as seen when facing the lot from Carriage Mill Drive. Run trenches on contour toward the left (264.25') lot line.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. *or 41799 TWS*

PLANS APPROVED BY Amy McMillen DATE 2-05-99

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

BLDG. PERMIT SIGNED

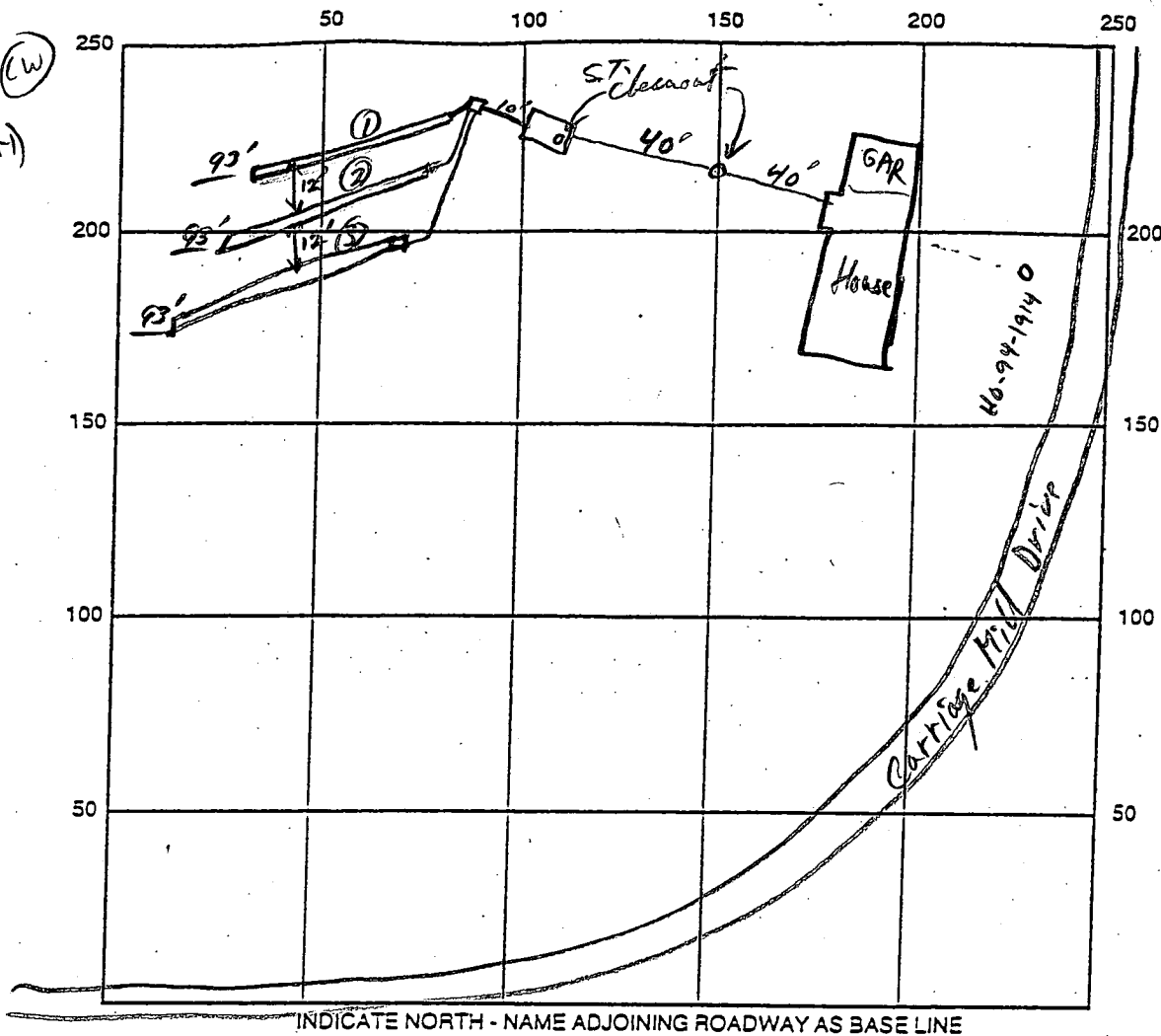
AND RETURNED 6/15/2000

B00124845

DECK W/STEPS TO GRADE

A 50572-S

WPI OK
4/28/99 (CW)
NO APPL.
(EASTERN)



SEPTIC TANK LEVEL 1500 gal single chamber bid Seamed CLEANOUTS S.T. & Midway

DISTRIBUTION BOX LEVEL ✓

DRAIN FIELD/TITLE DEPTH 5 1/2 FT. TRENCH WIDTH 3 FT. INLET DEPTH 3 1/2 FT.

EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH 93/93/93 FT.

NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA 840 SQ. FT.

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

ABSORBENT AREA _____ SQ. FT.

REMARKS: House connection OK, OK to cover all work when finish gravel filling
Last Trench, open Tr #3 soil OK as per design. RPP 3/23/99

DATE SYSTEM APPROVED 3/23/99 INSPECTOR [Signature]

APPLICATION

PERCOLATION TESTING

A 505725

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. 39 26

ROAD AND DESCRIPTION Property is located on the Northeast Side of the intersection of Route 144 and Old Frederick Road. (14765 CARRIAGE MILL DRIVE)

TAX MAP 8 PARCEL # 158 & 79

SIZE OF LOT Average size equals 60,000Sq. Feet TYPE BLDG. Single Family Detached - 4 Bed
(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.

Ralph E. Bice, III
(SIGNATURE OF APPLICANT)

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

A50572 S

COUNTY #

SOIL PROFILE

0'

(871) (870)

CLAY

(868)

3

CLAY
LOAM
MIX

5

Bt166
LOAM

12

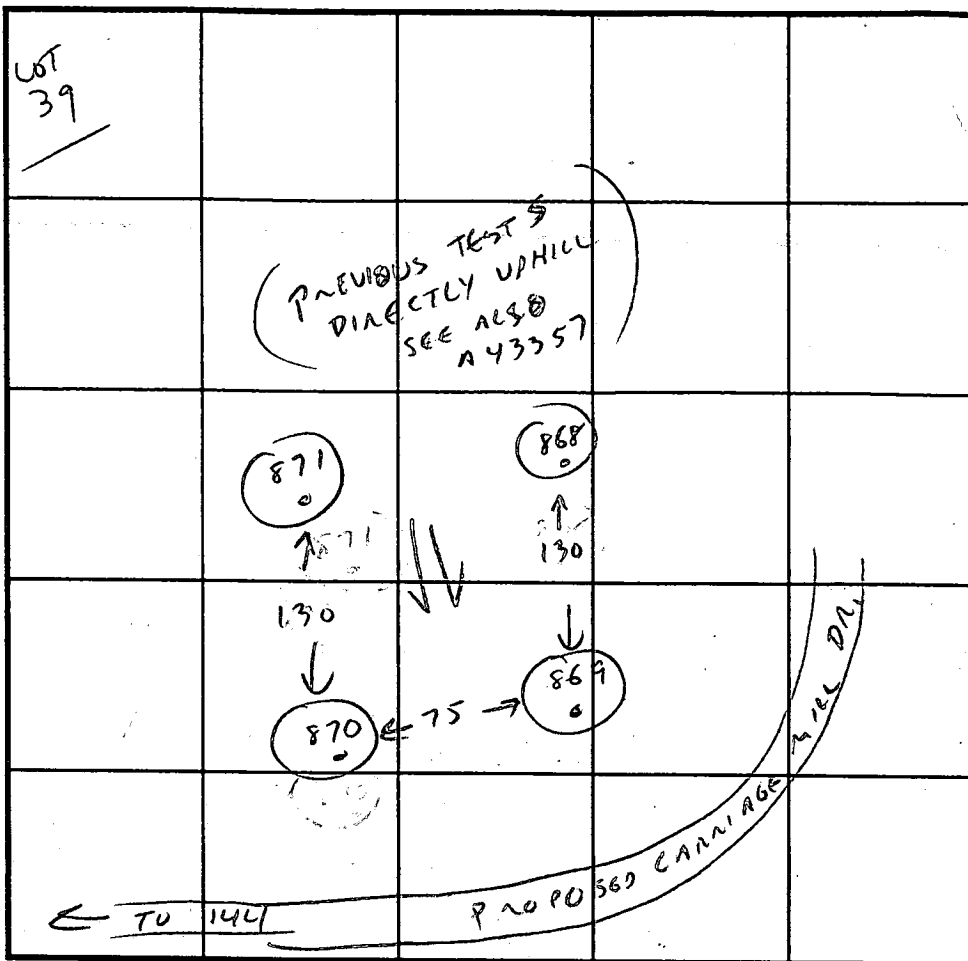
(869)

CLAY

4

Bt66
LOAM

11

BOTTLED
AT 11'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE

0'

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4/12/95	871	3 8	12:58 12:55	1:00 12:56	1:00 12:56	1:04 12:58	4 MIN 2 MIN
		12	UIS OK	3-12'	LOAM		
	870	SAMPLING AS 871					
			UIS OK	3-12'	LOAM		
	869	4 8	1:05 UIS	1:07 OK EST	1:07 2 MIN	1:10	3 MIN
		12	UIS OK	TO 11', BOTTLED	BELOW 11'		
	868	UIS	OK	3-12'	LOAM		

REMARKS POSSIBLE H₂O AT 11' - LOWEST HOLE - AVOID IF POSSIBLE

TYPE OF SOIL C.

TESTED BY C. Williams

ALSO PRESENT R. BICE

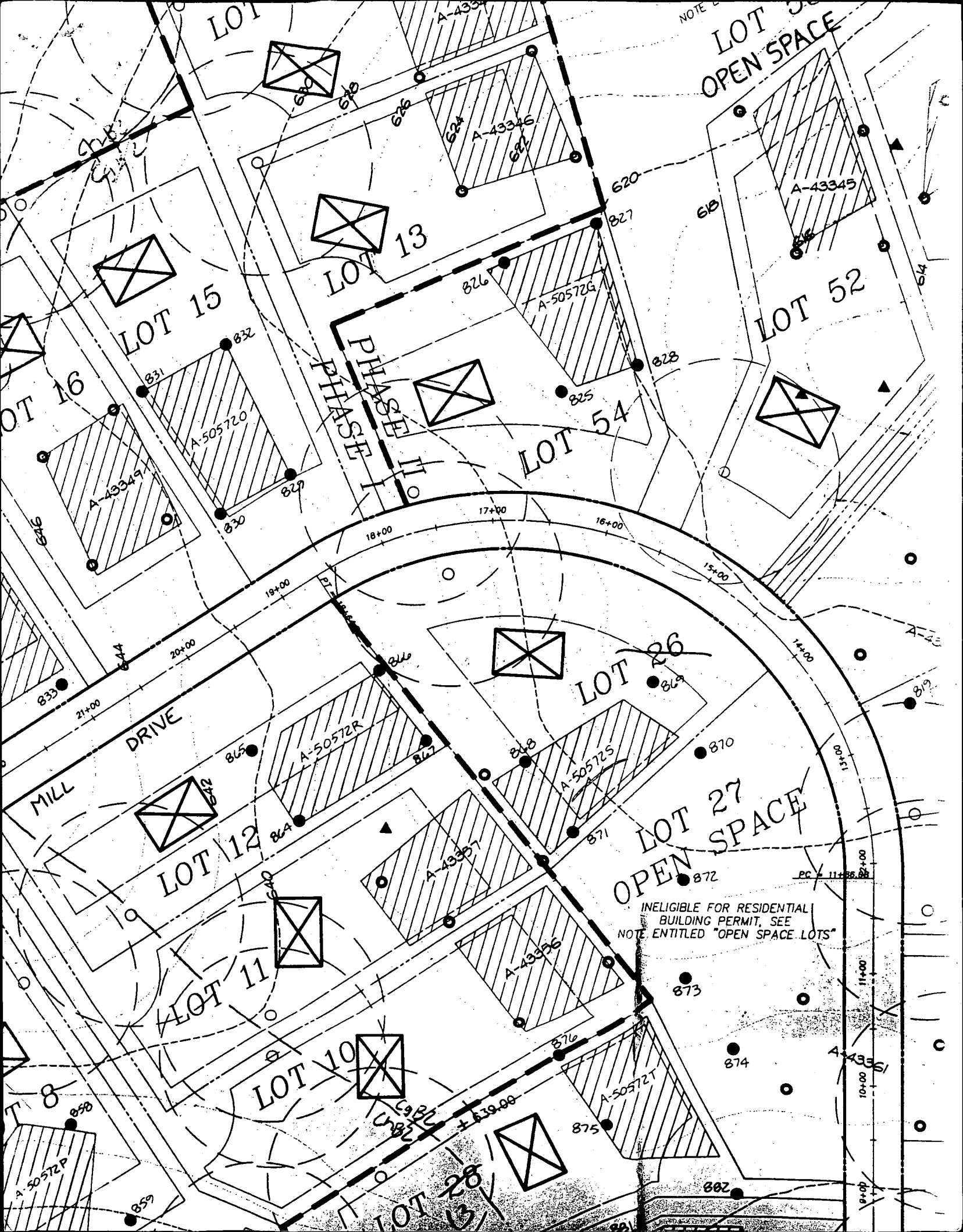
TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 3 MIN

TRENCH WIDTH 3 FT

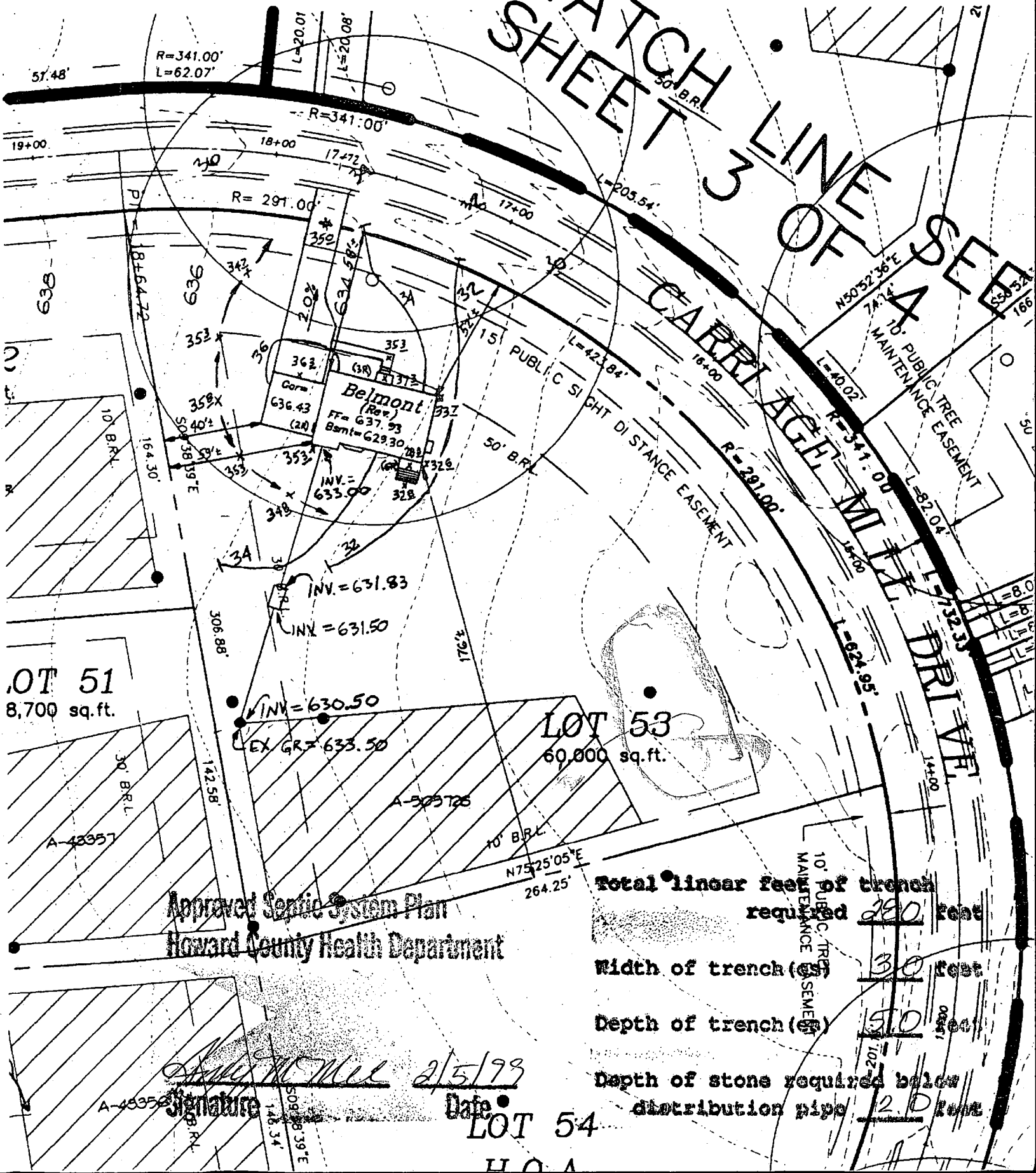
INLET DEPTH 3

MAXIMUM BOTTOM DEPTH 5

SQ. FT/BEDROOM 210



MATCH LINE OF SHEET 3 OF 4



C1 9318

SEQUENCE NO.
(MDE USE ONLY)

STATE OF MARYLAND
WELL COMPLETION REPORT
FILL IN THIS FORM COMPLETELY
PLEASE TYPE

THIS REPORT MUST BE SUBMITTED AFTER
WELL IS COMPLETED.

COUNTY
NUMBER A50572-5

ST/CO USE ONLY
DATE Received

DATE WELL COMPLETED

Depth of Well

PERMIT NO.
FROM "PERMIT TO DRILL WELL"

MM DD

MM DD YY
11 30 98

22 200 26
(TO NEAREST FOOT)

HO 94-1914

OWNER Oakhill Properties
STREET OR RFD CARRIAGE MILL DR TOWN COOKSVILLE
SUBDIVISION CARRIAGE MILL FARM SECTION 53 LOT 53

WELL LOG

Not required for driven wells

GROUTING RECORD

WELL HAS BEEN GROUTED
(Circle Appropriate Box)

TYPE OF GROUTING MATERIAL (Circle one)

CEMENT CM BENTONITE CLAY BC

NO. OF BAGS 33 NO. OF POUNDS 330

GALLONS OF WATER 198

DEPTH OF GROUT SEAL (to nearest foot)

from 0 ft. to 84 ft.
(enter 0 if from surface)

CASING RECORD

casing types
insert
appropriate
code
below

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

86

E
A
C
H
C
A
S
I
N
G

OTHER CASING (if used)

diameter depth (feet)
inch from to

screen type
or open hole
(insert
appropriate
code
below)

SCREEN RECORD

ST
STEEL

BR
BRASS

HO
OPEN HOLE

PL
PLASTIC

OT
OTHER

C2

DEPTH (nearest ft.)

1 HO 84 200

2 8 9 11 15 17 21

3 23 24 26 30 32 36

4 38 39 41 45 47 51

5 SLOT SIZE 1 2 3

6 DIAMETER OF SCREEN (NEAREST INCH)

7 from 56 60 to

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

9 MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)

10 (E.R.O.S.) W Q

11 TELESCOPE CASING LOG INDICATOR OTHER DATA

12

13

14

15

16

17

18

19

20

21

22

C3

PUMPING TEST

HOURS PUMPED (nearest hour) 72

PUMPING RATE (gal. per min.) 17.0

METHOD USED TO MEASURE PUMPING RATE timer

WATER LEVEL (distance from land surface)

BEFORE PUMPING 31.25 ft.

WHEN PUMPING 51.88 ft.

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 INSTALLED PUMP (CIRCLE) (YES or NO) 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

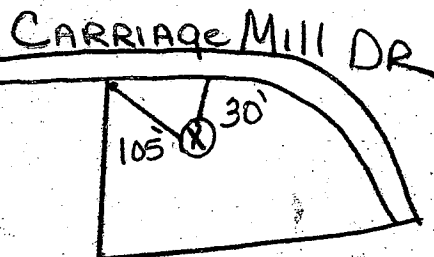
CASING HEIGHT (circle appropriate box and enter casing height)

+ above LAND SURFACE 1 (nearest foot)

- below 49 50 51

LOCATION OF WELL ON LOT

SHOW PERMANENT STRUCTURES AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)



NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED Y 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.

DRILLERS LIC. NO. 1 MWD 304

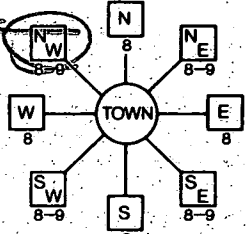
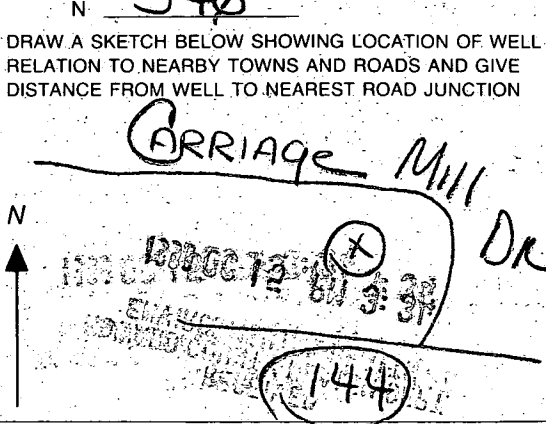
David Kelly

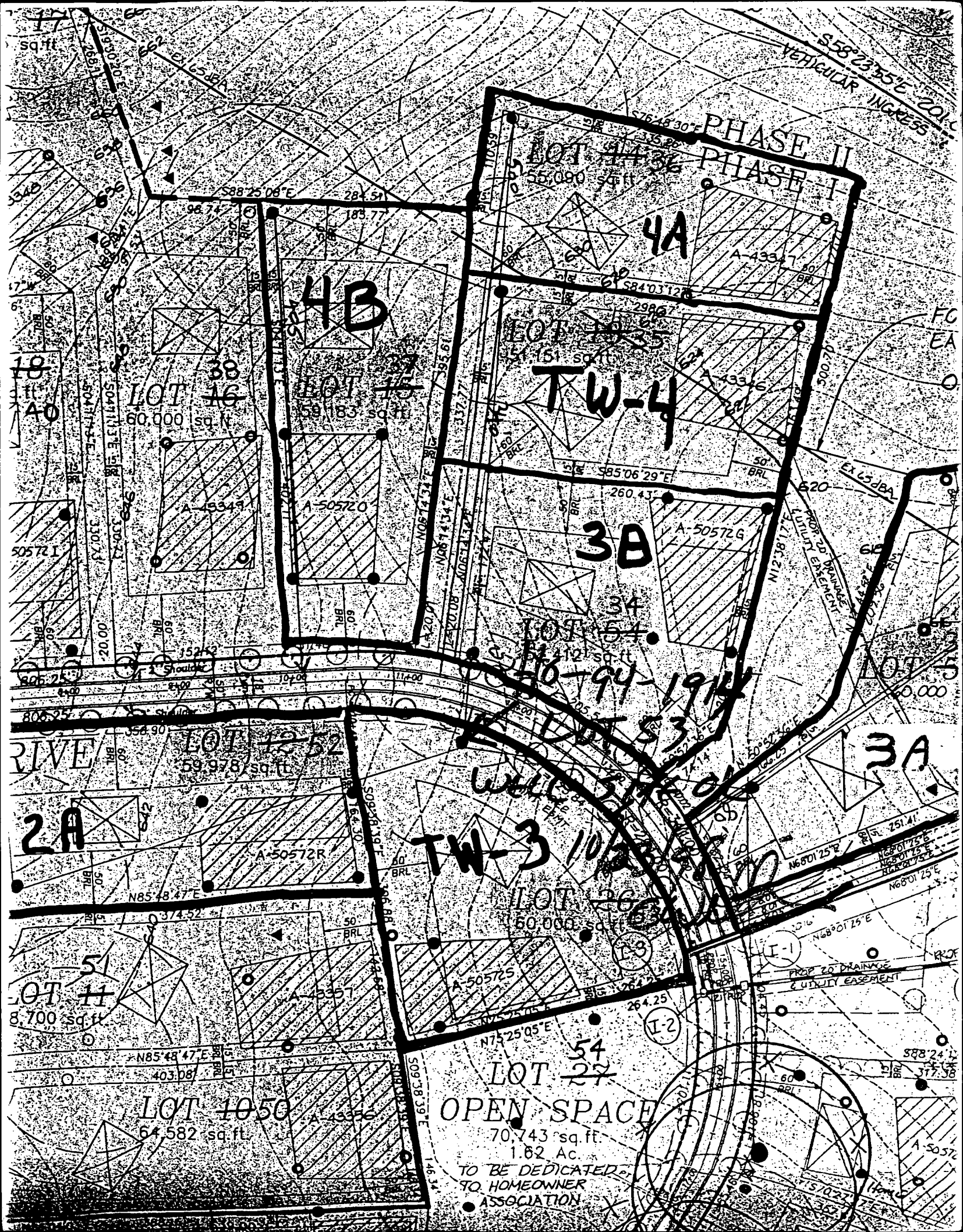
DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. 1 D

Arnold Harrison

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

B 1 8520 1 2 3 6	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND PERMIT TO DRILL WELL please print or type	STATE PERMIT NUMBER Ho - 94 - 1914 70 fill in this form completely 79
Date Received (APA) 8 MM DD YY 13 Berke Joseph 15 Last Name Owner First Name 34 414 Timber Cove Circle 36 Street or RFD 55 Longwood FL 32779 57 Town 70 State 72 Zip 76		B 3 HOWARD LOCATION OF WELL 8 COUNTY 21 CARRIAGE Hill Farms 23 SUBDIVISION 42 SECTION 44 LOT 53 44 46 48 50 Cooksville 52 NEAREST TOWN 71 MILES FROM TOWN (enter 0 if in town) 1 M I 73 76 77 78	
OWNER INFORMATION DAVID KELLY MWD 304 76 License No. 81 Jones Well Drilling Inc. Firm Name 3700 Rush Rd JARRETSVILLE Address David Kelly 10-13-98 Signature Date		B 4 1 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)  ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) 11 NEAR WHAT ROAD 30 CARRIAGE Hill Dr. 34 30 37 DISTANCE FROM ROAD ENTER FT OR MI 8 158 38 39 TAX MAP: 8 BLK: 158	
B 2 2 WELL INFORMATION APPROX. PUMPING RATE (GAL. PER MIN.) 4 8 12 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 400 14 20		NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL Howard A 50572 S COUNTY NAME COUNTY NO. STATE SIGNATURE A. Williams 10/23/98 DATE ISSUED 41 10/23/98 10/23/98 43 MM DD YY 48 CO SIGNATURE EXP. DATE NORTH GRID 544 000 EAST GRID 0792 000 50 55 57 63	
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		SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X SOURCES OF DRILLING WATER 1. 2. 3. WRITE THE BOX NUMBER FROM THE MAP HERE E 7902 N 5404 000 000	
APPROXIMATE DEPTH OF WELL 200 FEET 24 28 APPROXIMATE DIAMETER OF WELL 6 INCH NEAREST INCH		METHOD OF DRILLING (circle one) BORED (or Augered) ☐ JETTED ☐ Jettied & DRIVEN 30 AIR-ROTARY ☐ AIR-PERCUSION ☒ ROTARY (Hydraulic Rotary) 37 CABLE ☐ REVERSE-ROTARY ☐ DRIVE-POINT other _____	
REPLACEMENT OR DEEPENEED WELLS (CIRCLE APPROPRIATE BOX) ☒ THIS WELL WILL NOT REPLACE AN EXISTING WELL ☐ THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED 39 ☐ 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 DEEPEEN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPENEED (IF AVAILABLE) 41 52		DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION CARRIAGE Hill Dr.  4 C12	
Not to be filled in by driller (MDE OR COUNTY USE ONLY)			
APPROP. PERMIT NUMBER Ho 94-1914 54 63 PERMIT No. Ho 94-1914 70 71 72 73 74 75 76 77 78 79			
SPECIAL CONDITIONS NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED			



Ken-410-313-2648

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

4-16-99

Name of Installer

Darren E. Wilson

Telephone

301-831-7057

License Number

Certified Well Pump Installer

Well Driller

Registered Plumber

Name of Property Owner

Oak Hill Prop.

Telephone

Subdivision

Carriage Mill Farm

Lot #

53

Well Tag #

110-94-1914

Site Address

14765 Carriage Mill Ln.

Pump

1. Type

a. Deep well jet

b. Shallow well jet

c. Submersible ☒

2. Make

Goulds

3. Model #

76505422

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

Motor

1. Horsepower

2. RPM

3. Voltage

a. 110

b. 220 ☒

Pitless Adapter

1. Make

Martinson

2. Model #

B-108

3. Depth

3 1/2

Tank

1. Capacity

32

2. Pressure relief

valve? ☒

Piping

1. Type

PE

2. Size

1"

3. NSF and/or BOCA

Code approved ☒

4. Depth of supply

line 3 1/2

Well data

1. Depth

200 ft.

2. Yield

17 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.

Signature of Applicant:

Darren Wilson

Date:

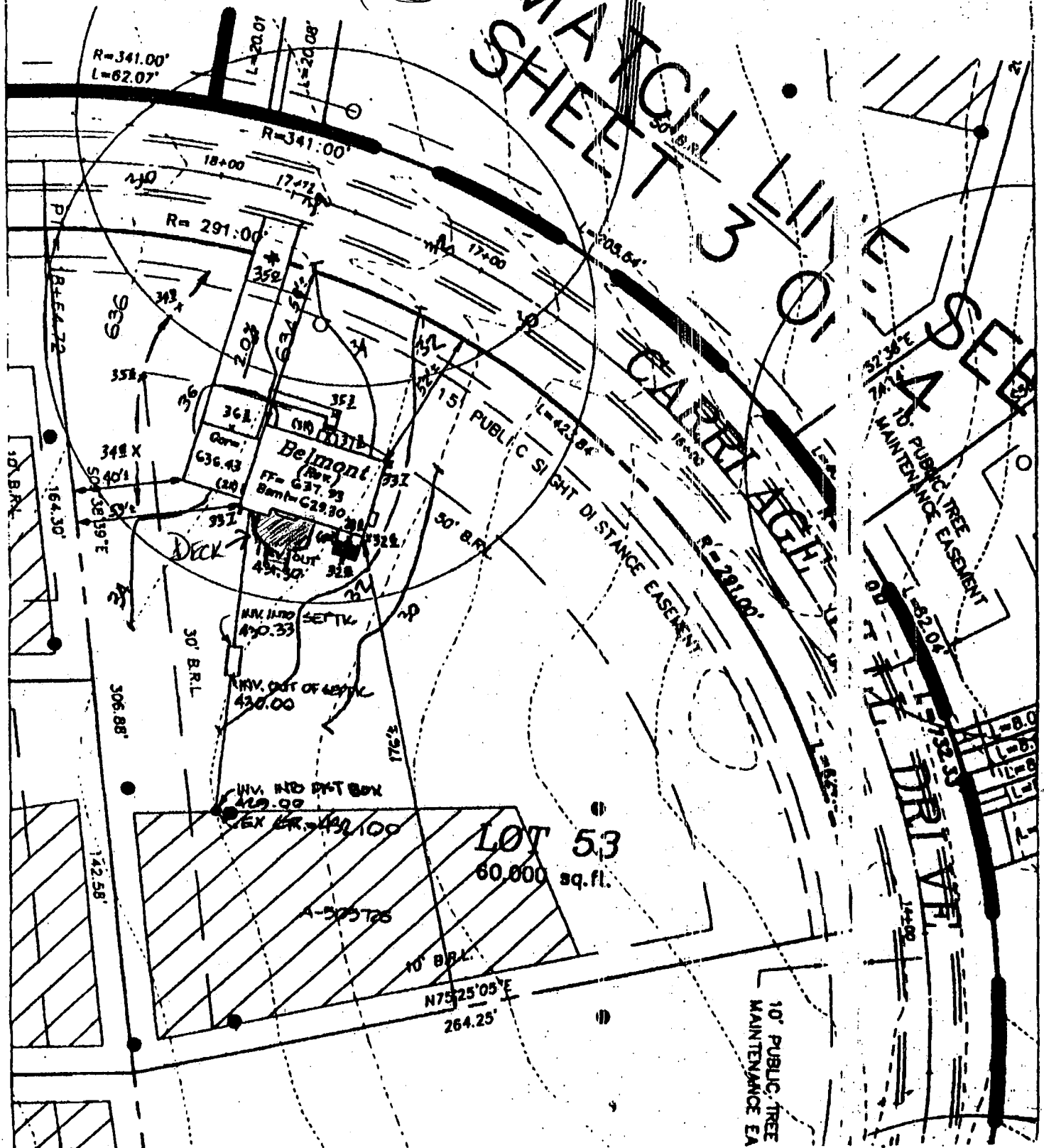
4-16-99

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

Filed
4-16-99

6/15/00

Proposed deck location
as shown ~~(D)~~.



SEPTIC DATA

INV. OUT OF HOUSE = 431.30
INV. INTO SEPTIC TANK = 430.33
INV. OUT SEPTIC TANK = 428.00
INV. INTO DIST. BOX = 429.00
EX. ELEV @ DIST. BOX = 432.00

PROJECT NO.:
05005.22

SCALE:
1"=50'

R.M. MOC: GROUP, P.C.

P.O. Box 10
New Market, MD 21774-10 0

10120 A Old National Pl.
Kennebunk, ME 21754-0120

865-58
(301) 865-5858
For: (301) 865-5111