

1-20-98
10:00 C.O.
1/22/98
C.O. 11-12

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 59315

A 49646-L

DISTRICT 4th

DATE 1/16/98

DATE SYSTEM APPROVED 1-20-98

INSPECTOR ALM

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
~~XX461-9933~~ 410-313-2640

04-3594ap

INDEXED

Fogle's Septic Clean, Inc. IS PERMITTED TO INSTALL ALTER

ADDRESS 558 Obrecht Road, Sykesville, Maryland 21784 PHONE 410-795-5674

SUBDIVISION Cattail Woods LOT 42 ROAD 1729 Cattail Woods Lane

PROPERTY OWNER Pulte Home Corp.

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

LOCATION - Place distribution box 130 feet up the left lot line and 15 feet off that same lot line as seen when facing the lot from Cattail Woods Drive. Run trenches on contour toward the right 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. *OK 10/27/97 DKS*

PLANS APPROVED BY Amy McMillen/Glen Savage REVISED DATE 10/22/97

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

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

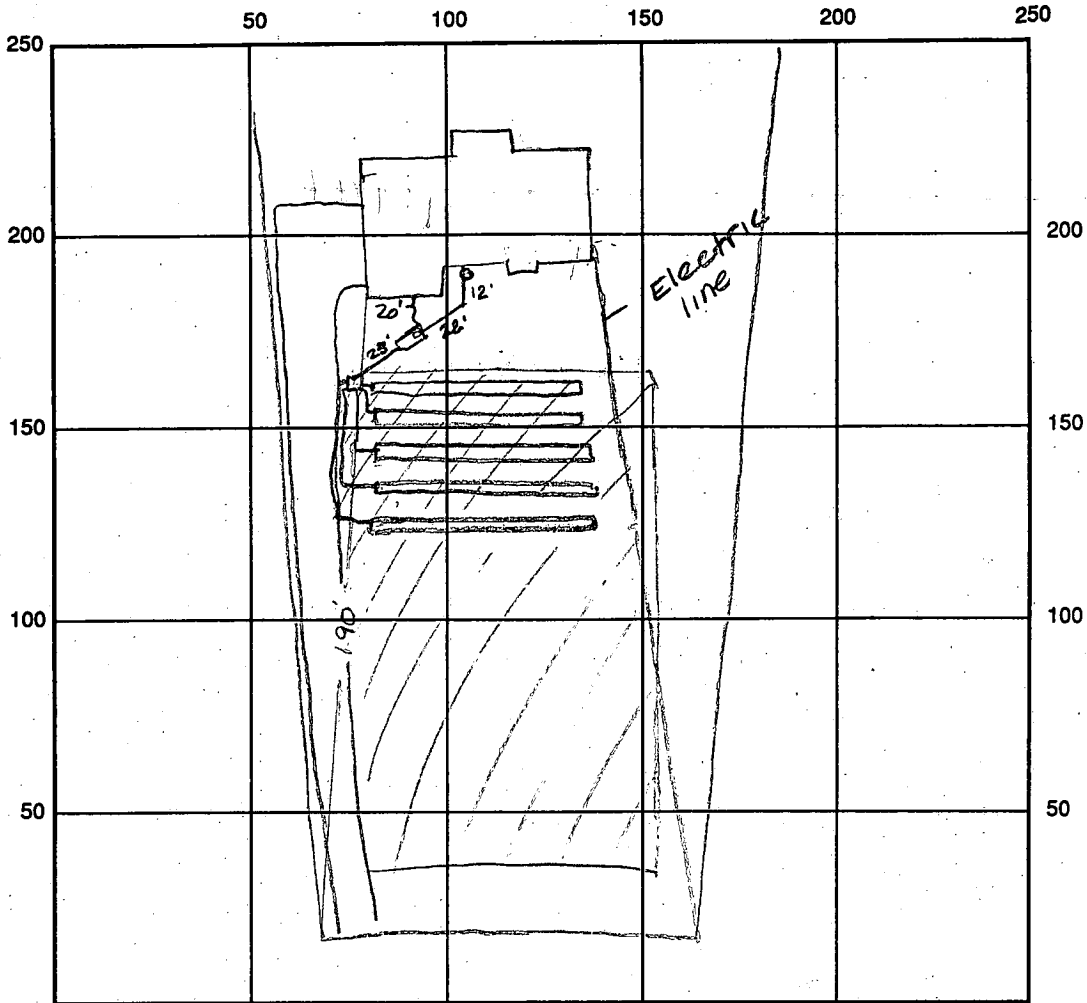
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON. CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET. MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

***INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT**

BUILDING PERMIT SIGNED AND RETURNED
8/2/2002 800137813 SCREENED PORCH

7-11-98



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL OK 1250 gal CLEANOUTS CO. on ST & outside house

DISTRIBUTION BOX LEVEL OK prefab. baffle

DRAIN FIELD/TITLE DEPTH 5.0 FT. TRENCH WIDTH 2.0 FT. INLET DEPTH 2.0 FT.

EFFECTIVE GRAVEL DEPTH 3.0 FT. TOTAL LENGTH 56 x 5 = 280 total

NUMBER OF TRENCHES 5 ONE SIDEWALL/BOTTOM AREA 840 SQ. FT. $\frac{280}{3} = 840$

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

ABSORBENT AREA — SQ. FT.

REMARKS: 1/20/98 Electric line installed through part of septic unit

BUILDING DEPARTMENT
AND RETURNED
to install 56' max trench length at upper portion of septic - OK to continue - appears to be enough room for 2 replacement systems ALM

1/22/98 WPI OK - pitless adaptor 3.5' below grade ALM

DATE SYSTEM APPROVED 1/20/98 INSPECTOR A McMiller

APPLICATION

PERCOLATION TESTING

A 496441

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2840

DISTRICT 4th

DATE 9/30/93

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 Parcel 137, Inc. Pulte Home Corp.

ADDRESS 15298 Union Chapel Road Woodbine, MD 21797 PHONE (410) 442-2101

AGENT OR PROSPECTIVE BUYER Engineer: TSA Group, Inc.

ADDRESS 8480 Baltimore National Pike, Ste. 418 Ellicott City, MD 21043 PHONE (410) 465-6105

PROPERTY LOCATION:

SUBDIVISION Cattail Woods - Section 2 LOT NO. 42

ROAD AND DESCRIPTION End of Brittle Branch Way (1729 Cattail Woods Lane)

BLDG. PERMIT SIGNED AND RETURNED 10-22-97
Serial # B11108409
SFD - YBim

TAX MAP 7 PARCEL # 137

SIZE OF LOT 1 Ac +/- TYPE BLDG. Single Family Dwelling
(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. Parcel 137, Inc. Bruce B. Bandal President
(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

COUNTY #

SOIL PROFILE

0'

Empty rectangular box for soil profile notes.

Empty rectangular box for soil profile notes.

Empty rectangular box for soil profile notes.

| | | | | |
|--|--|--|--|--|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

SOIL PROFILE

0'

Empty rectangular box for soil profile notes.

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

| DATE | TEST NO. | DEPTH | PRE-WET | | TEST - 1" DROP | | TIME |
|------|----------|-------|---------|------|----------------|------|------|
| | | | START | STOP | START | STOP | |
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| | | | | | | | |

REMARKS _____

TYPE OF SOIL _____

TESTED BY _____ ALSO PRESENT _____

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____

APPLICATION

PERCOLATION TESTING

A 49646L

P _____

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

DISTRICT _____

DATE 9-27-93

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 Bruce Brendle

ADDRESS 15298 Union Chapel Rd PHONE _____

AGENT OR PROSPECTIVE BUYER Joint Venture

ADDRESS 1555 Union Chapel Rd PHONE _____

PROPERTY LOCATION:

SUBDIVISION Cattail Woods Sec II LOT NO. 42

ROAD AND DESCRIPTION Rt 97 sld

TAX MAP 7 PARCEL # 137

SIZE OF LOT 1 ACRE 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.

(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

A49646L
COUNTY #

SOIL PROFILE
80

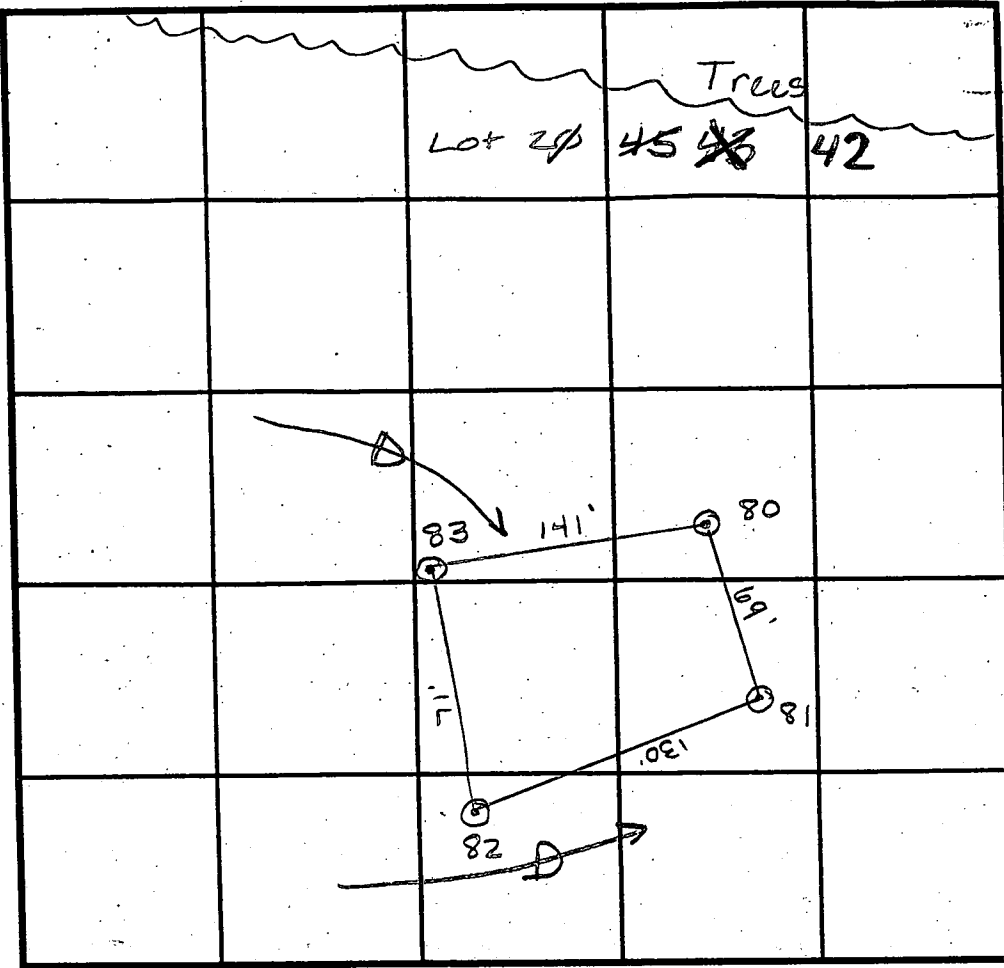
10'
red.
c
3'
reddish
lgt brn
Si SL
(mica)
w/
yellow/
tan
streaks
Some
Saprolite
12'

81

4'
orange/
brn
c
12'
orange
brn
SiL
some
Saprolite

83

3'
tan
c
tan
SSiL
12'



SOIL PROFILE
82

0'
brn/
red c
4'
brn w/
slight
tint
of red
SiL
Some
Saprolite
throughout
(OK)
12'

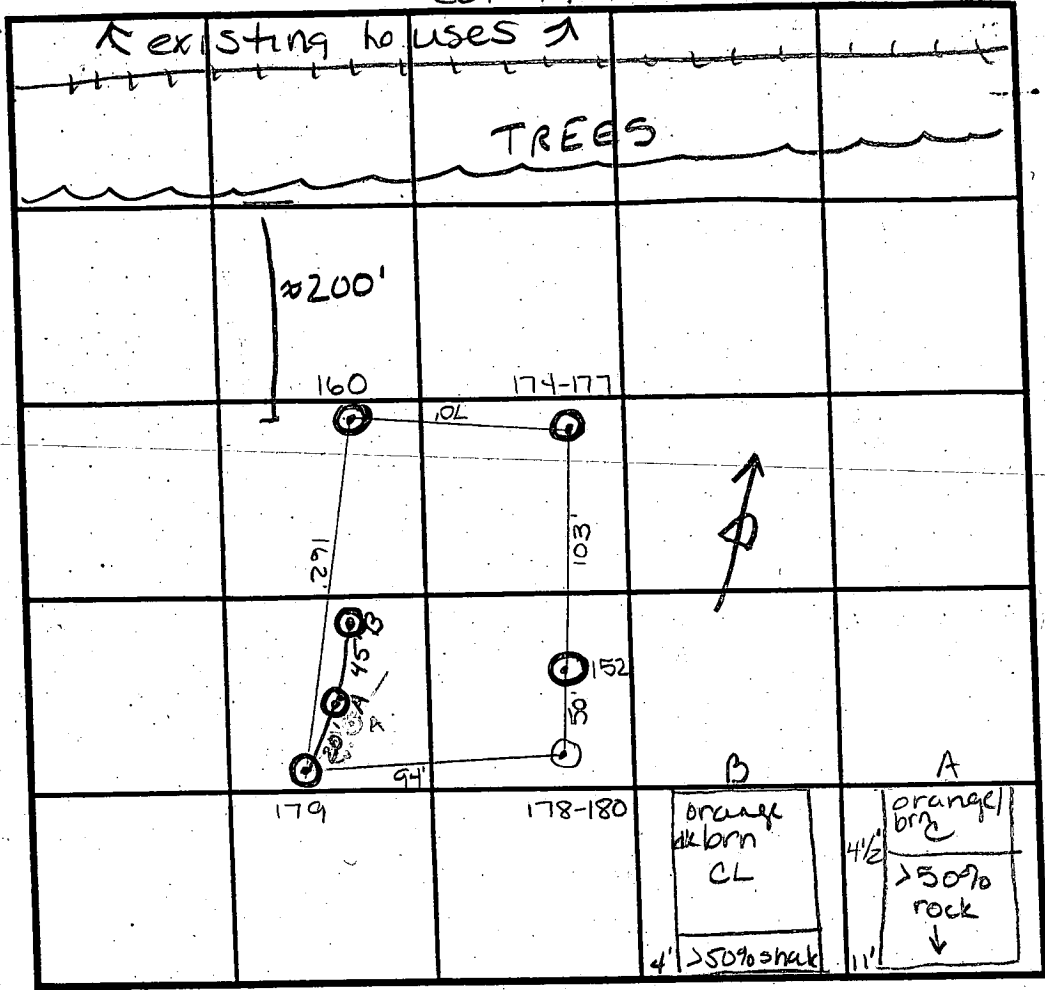
INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

| DATE | TEST NO. | DEPTH | PRE-WET | | TEST - 1" DROP | | TIME |
|----------|----------|---------------|--------------------|--------------------|--------------------|------|-----------|
| | | | START | STOP | START | STOP | |
| 11/30/93 | 81 | 4 1/2' / V12' | 1:52 ³⁰ | 1:56 ³⁰ | 1:56 ³⁰ | 2:03 | 6 1/2 min |
| | 80 | 3' / V12' | 1:50 | 1:54 | 1:54 | 2:02 | 8 min |
| | 83 | 3' / V12 1/2' | 1:03 | 1:06 | 1:06 | 1:12 | 6 min |
| | 82 | 4' / V12' | 1:00 | 1:05 ¹⁵ | 1:05 ¹⁵ | 1:15 | 9 3/4 min |
| | | | | | | | |
| | | | | | | | |
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| | | | | | | | |
| | | | | | | | |

records
or
wet
season

REMARKS: Hold 81; 82 for wet season perc
TYPE OF SOIL: Glenelg Loam
TESTED BY: A. McMillen / C. Williams ALSO PRESENT B. SANDERS
TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 8 min TRENCH WIDTH 3'
INLET DEPTH 4' MAXIMUM BOTTOM DEPTH 6' SQ. FT./BEDROOM 210 ft²

Lot 17



COUNTY #
SOIL PROFILE 179
yel/bm c
3' shale at
>50% and down yellow brn sil verticle bedding

178-180
yel/bm c
3' decayed shale throughout
yel brn sil
decayed shale more pronounced at 2' on lower end of hole (toward Lot 19)

152
2' red c
brn c
4' brn silmicl >50% shale packets throughout
Profile

SOIL PROFILE 174-177
0' brn c
3' brn sil
6 1/2' >50% shale
11' 160 red/bm c
3' yel + red streaked sil
5' 50% shale brn sil
12'

| DATE | TEST NO. | DEPTH | PRE-WET | | TEST - 1" DROP | | TIME | |
|----------|----------|------------------------------|---------------------|---------------------|---------------------|---------------------|-----------|---|
| | | | START | STOP | START | STOP | | |
| 12/1/93 | 179 | 3' VII' | 11:19 ³⁰ | 11:29 | 11:29 | 11:48 | 19 min | F |
| 12/1/93 | 178-180 | 3' VII' | 11:10 | 11:13 | 11:13 | 11:17 ³⁰ | 4 1/2 min | |
| 12/1/93 | 174-177 | 3' VII' | 11:32 ⁴⁵ | >30 min | | | | F |
| | | 6' VII' | 12:01 ⁴⁵ | 12:03 ¹⁵ | 12:03 ¹⁵ | 12:05 ¹⁵ | 2 min | |
| 11/15/93 | 160 | 3' VII' | 12:24 ¹⁵ | 1:29 | 1:29 | 1:38 | 9 min | F |
| 11/15/93 | 152 | 2' VII' | 12:22 | 12:43 | 12:43 | >30 min | | F |
| | | 4' VII' | 2:37 | 2:41 | 2:41 | 2:46 | 5 min | F |
| 12/13/93 | A | Visual to 4 1/2' hard bottom | | | | | | F |
| | B | Visual to 4' >50% rock | | | | | | F |

REMARKS _____
 TYPE OF SOIL Glenn Loam
 TESTED BY Amy McMillen / CRAIG WILLIAMS ALSO PRESENT B. SANDERS
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____
 INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____

COUNTY #

SOIL PROFILE 87

orange/red
c

3' tan/brn
SIL

5' Saprolite
shelf
mostly
Soil
OK

12 1/2' 86

orange/red
c

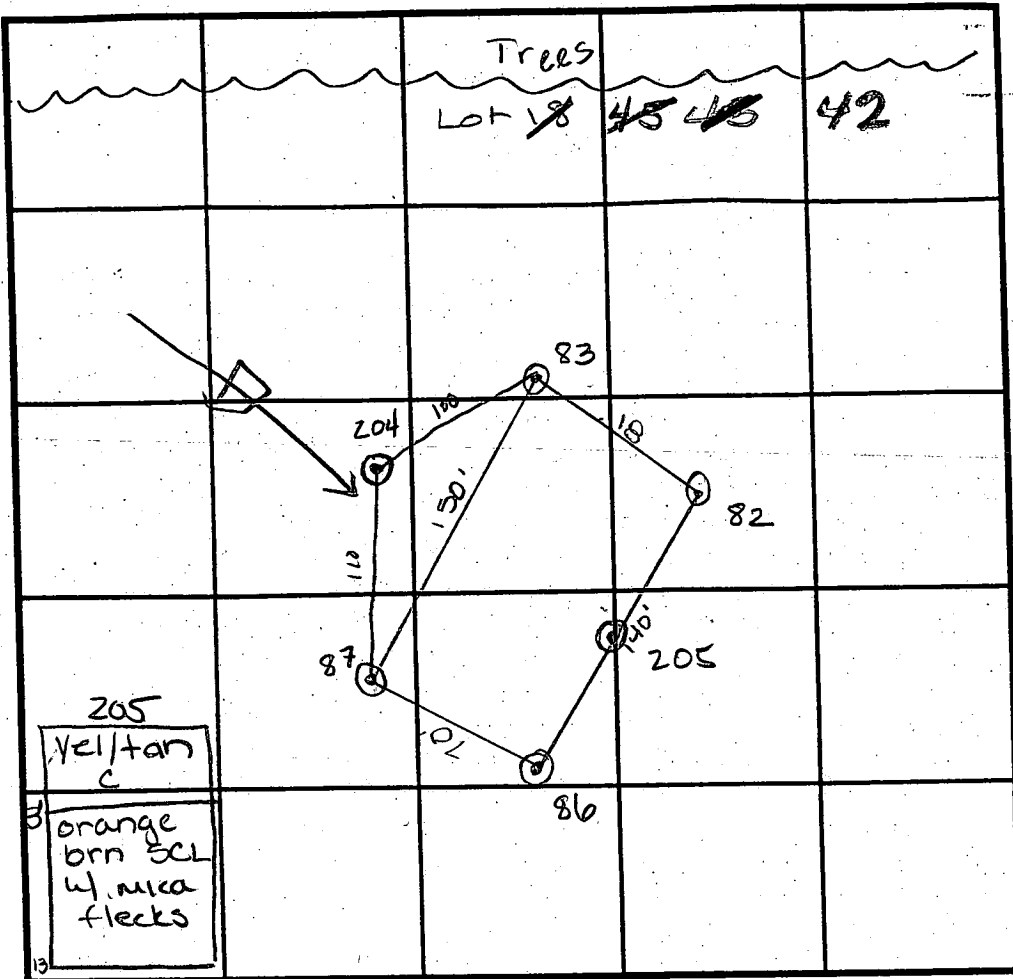
3' tan/brn
SIL

10' Saprolite

12 1/2' 82

brn/red
c

4' brn w/
slight
hint of
red
SIL
some
Saprolite



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE 83

tan
c

3' tan
SSIL

12 1/2' 204

dk red
brn
SIL

3' yel/tan
SIL

12 1/2'

| DATE | TEST NO. | DEPTH | PRE-WET | | TEST - 1" DROP | | TIME |
|----------|-----------|------------------|---------------------|---------------------|---------------------|-------|--------------|
| | | | START | STOP | START | STOP | |
| 11/30/93 | (87) | 3' / 12 1/2' | 12:22 | 12:34 | 12:34 | 12:46 | 12 min |
| | (86) | 3' / 12 1/2' | 12:32 | 12:39 | 12:39 | 12:48 | 9 min OK |
| | 82 | 4' / 12' | 1:00 | 1:05 ¹⁵ | 1:05 ¹⁵ | 1:15 | 9 3/4 min OK |
| | 83 | 3' / 12 1/2' | 1:03 | 1:06 | 1:06 | 1:12 | 6 min OK |
| | 87 | 6 1/2' / 12 1/2' | 2:53 ³⁰ | 2:55 ³⁰ | 2:55 ³⁰ | 2:59 | 3 1/2 min |
| 3/15/94 | (wet 204) | 4' / 12 1/2' | 11:00 ¹⁵ | 11:05 ³⁰ | 11:05 ³⁰ | 11:13 | 8 1/2 min |
| 3/15/94 | (wet 205) | 3' / 13' | 11:00 | 11:18 | 11:18 | 11:39 | 2 min |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

REMARKS 86-82 wet season perc

TYPE OF SOIL Glenelg Loam

TESTED BY Amy McMillen / CRAIG WILLIAMS ALSO PRESENT B. SANDERS

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 10 min TRENCH WIDTH 2'

INLET DEPTH 2' MAXIMUM BOTTOM DEPTH 6' SQ. FT./BEDROOM 210 ft²

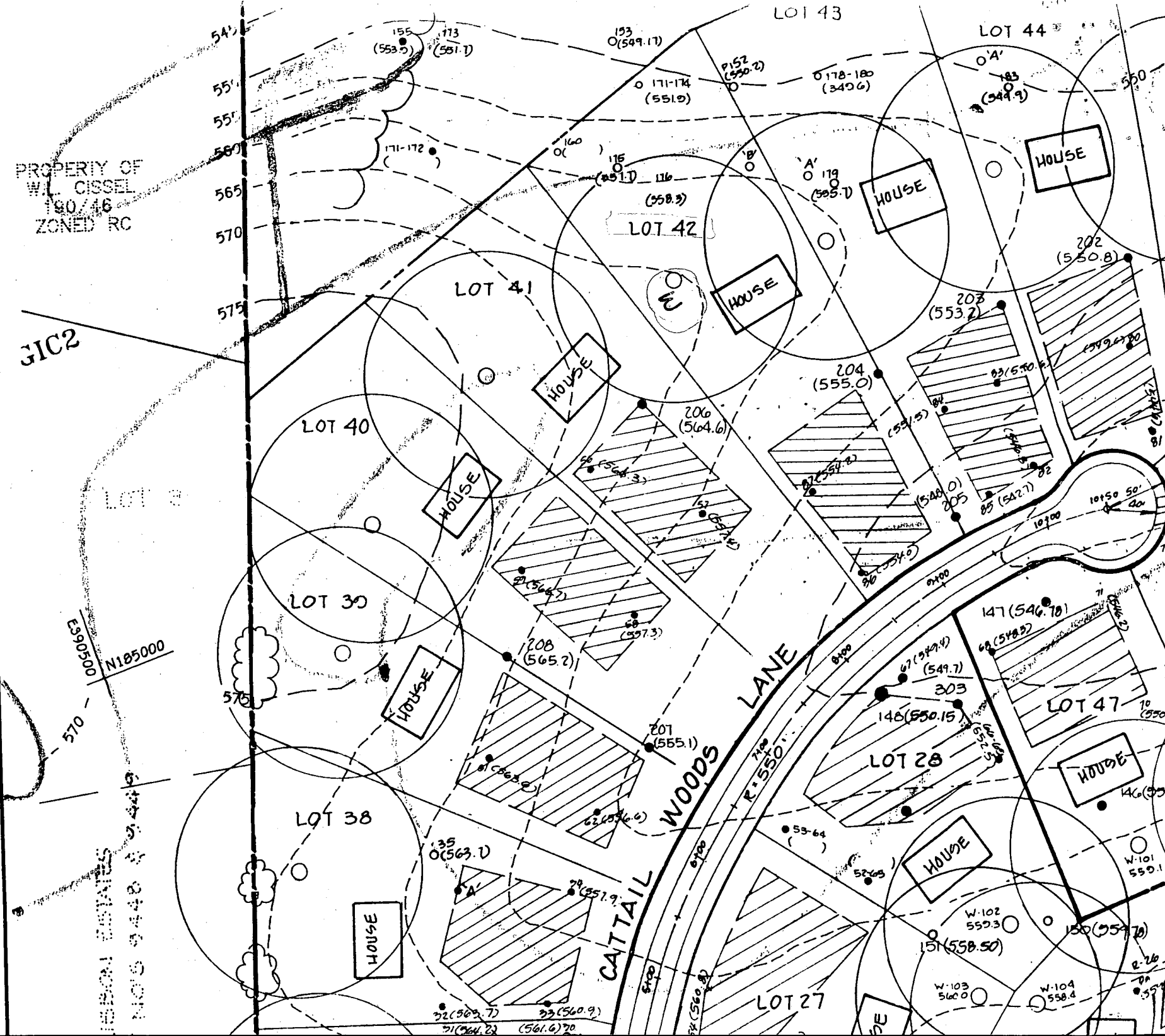
LOT 43

LOT 44

PROPERTY OF
W.L. CISSEL
180/46
ZONED RC

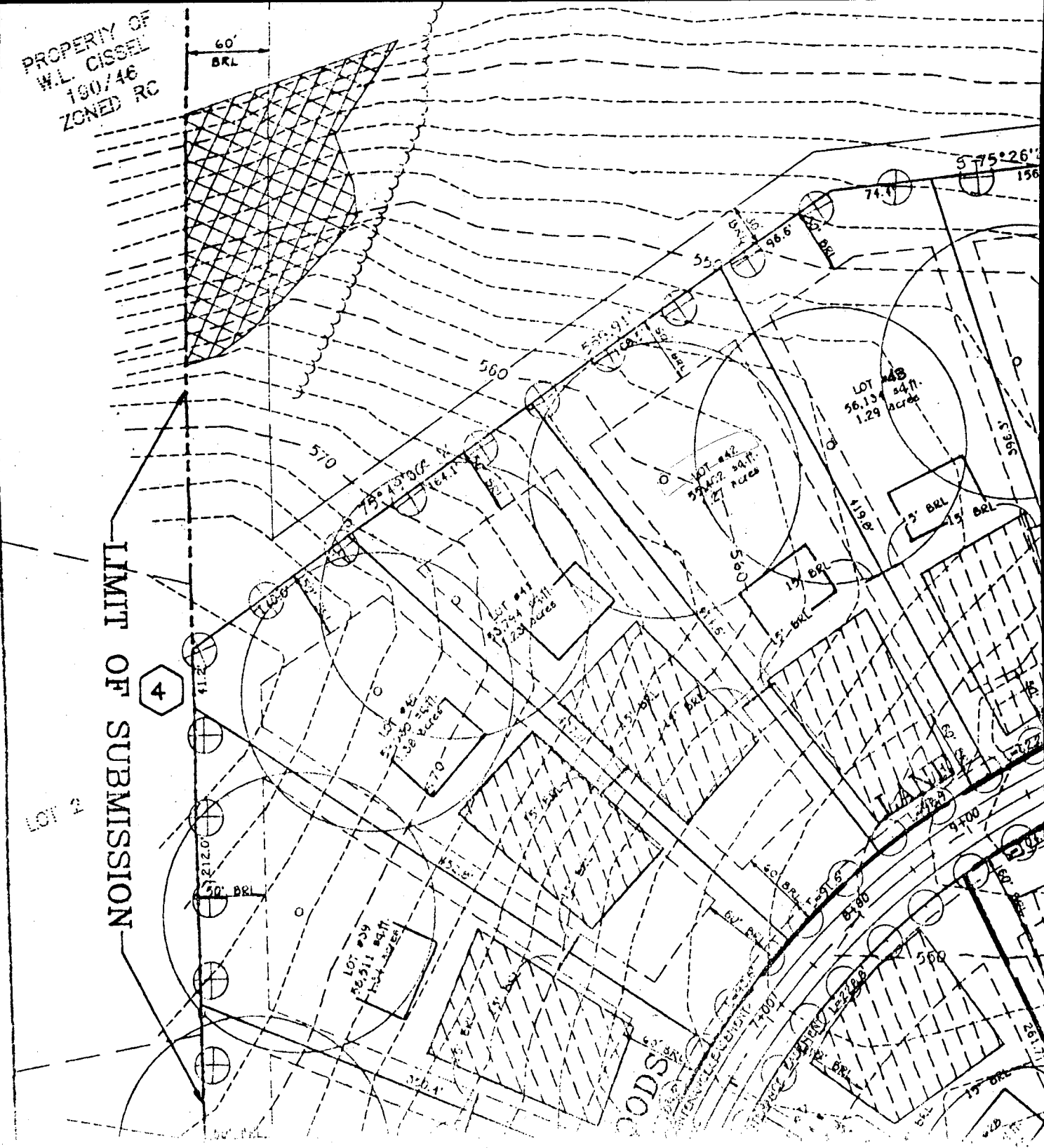
GIC2

copy of signed
perc. cert. Plat



PROPERTY OF
W.L. CISSEL
100/46
ZONED RC

copy of signed
Prelim. Plan



PROPERTY OF LISBON ESTATES
PLAT NO. 9447-9449
ZONED RC

LOT 3

N 19°40'20" E

233.30'

LOT 2

1587.07'

LOT #38
51,351 sq.ft.
1.18 acres

LOT #39
58,508 sq.ft.
1.34 acres

LOT #40
59,928 sq.ft.
1.38 acres

LOT #41
54,108 sq.ft.
1.24 acres

LOT #42
55,081 sq.ft.
1.26 acres

LOT #43
56,137 sq.ft.
1.29 acres

LOT #44
50,288 sq.ft.
1.15 acres

LOT #47
40,042 sq.ft.
0.92 acres

LOT #48
40,033 sq.ft.
0.92 acres

LOT #45
59,747 sq.ft.
1.37 acres

P.O. PRESERVATION
SINGLE RESIDENCE
AGRICULTURAL
PRESERVATION
TOTAL AREA THIS
AREA THIS

10' TREE MAINTENANCE
EASEMENT (PUBLIC)

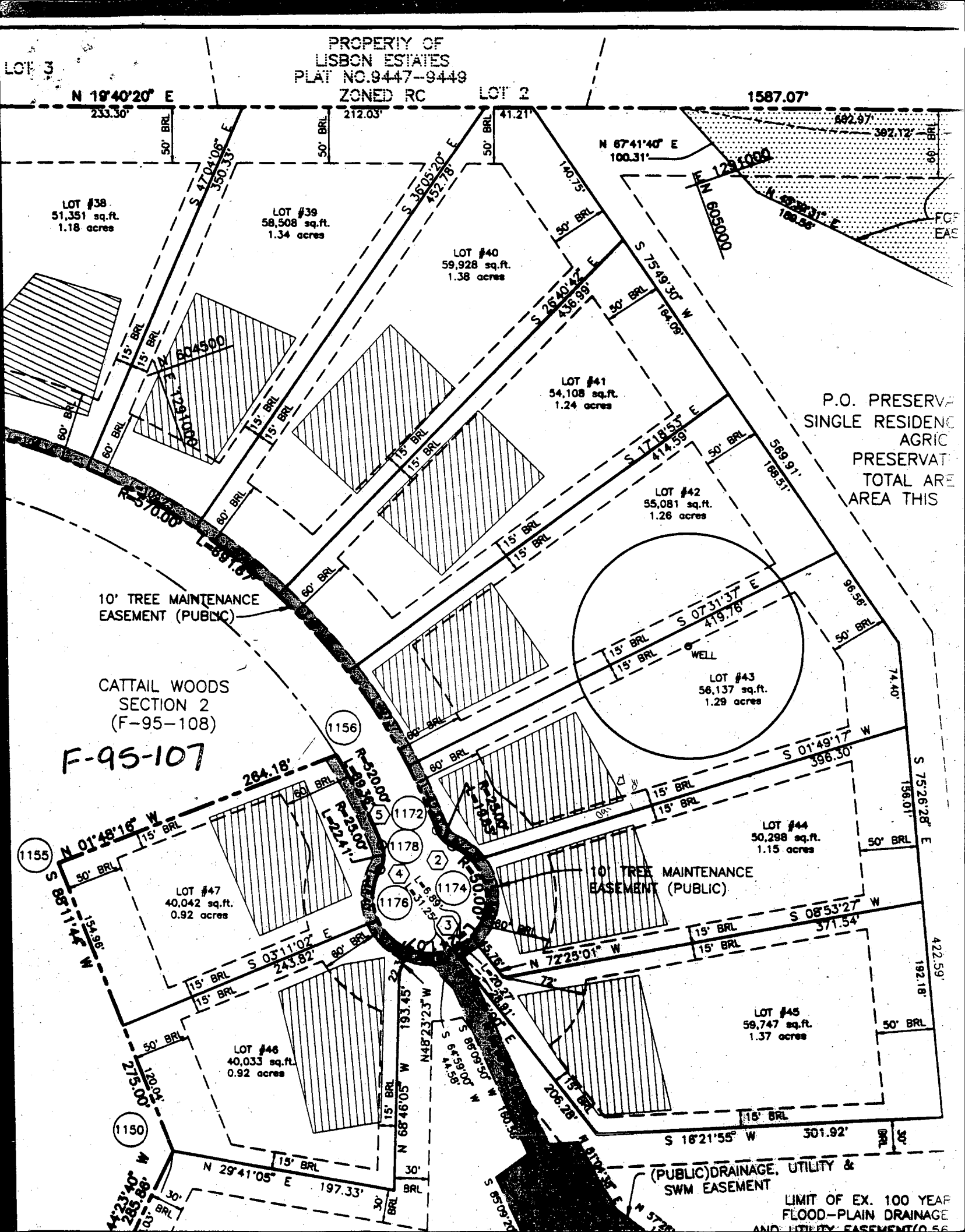
CATTAIL WOODS
SECTION 2
(F-95-108)

F-95-107

10' TREE MAINTENANCE
EASEMENT (PUBLIC)

(PUBLIC) DRAINAGE, UTILITY &
SWM EASEMENT

LIMIT OF EX. 100 YEAR
FLOOD-PLAIN DRAINAGE
AND EASEMENT (0.56



C1 6873 SEQUENCE NO. (MDE 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)

FILL IN THIS FORM COMPLETELY PLEASE PRINT OR TYPE

COUNTY NUMBER A 49C4K0 L

ST/CO USE ONLY DATE RECEIVED 3/12/97

DATE WELL COMPLETED 02 28 97 Depth of Well 152 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-94-1062

OWNER 206 Joint Venture STREET OR RFD Oakhill Woods Lane TOWN Woodbine SUBDIVISION Oakhill Woods SECTION LOT 42

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Rows include Dirt, Soft Br. Shale, Hard Blue & Br. Shale, Br. Shale, Blue Schist.

GROUTING RECORD WELL HAS BEEN GROUTED (Y) TYPE OF GROUTING MATERIAL (CM) BENTONITE CLAY (BC) NO. OF BAGS 29 NO. OF POUNDS 2726

CASING RECORD casing types insert appropriate code below (S, T, PL) MAIN CASING TYPE (S, T) Nominal diameter 6 Total depth of main casing 75

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

SCREEN RECORD screen type or open hole (H, O) (S, T, BR, PL) (H, O, PL, OT) insert appropriate code below

NUMBER OF UNSUCCESSFUL WELLS: 0 WELL HYDROFRACTURED (Y) CIRCLE APPROPRIATE LETTER A, E, P

DEPTH (nearest ft.) table with columns: A, C, H, S, R, E, N and depth values (152, 75, 8, 9, 11, 15, 17, 21, 23, 24, 26, 30, 32, 36, 38, 39, 41, 45, 47, 51)

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

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMPING TEST HOURS PUMPED (nearest hour) 3/8 9 PUMPING RATE (gal. per min.) 12/11 15 METHOD USED TO MEASURE PUMPING RATE submersible WATER LEVEL (distance from land surface) BEFORE PUMPING 28/17 20 ft. WHEN PUMPING 64/22 25 ft. TYPE OF PUMP USED (for test) (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) 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 (-) below 1 (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) Oakhill Woods Lane

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. M W D 256 Dana Kyker Jr. II DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) LIC. NO. M W D 256 SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

B 1 647 SEQUENCE NO. (MDE USE ONLY)
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

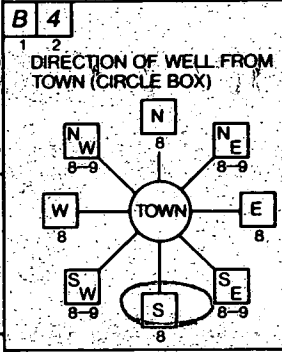
STATE OF MARYLAND
 PERMIT TO DRILL WELL
 please print or type

STATE PERMIT NUMBER
HD-94-1062
 fill in this form completely

Date Received (APA) 021197
OWNER INFORMATION
206 JOINT VENTURE
 15 Last Name Owner First Name 34
15555 UNION CHAPEL RD
 36 Street or RFD 55
Woodbine MD21157
 57 Town 70 State 72 Zip 76

B 3 LOCATION OF WELL
HOWARD
 8 COUNTY 21
CATTAIL WOODS
 23 SUBDIVISION 42
 SECTION 2 LOT 42
 44 46 48 50
LISHAN
 52 NEAREST TOWN 71
 MILES FROM TOWN (enter 0 if in town) 1 M I
 73 76 77 78

DRILLER INFORMATION CIRCLE: MSD/MGD/MWD
DANA KYKER JR 256
 77 License No. 80
Westminster Md PO Box 861
 Firm Name
Westminster Rotary Well Drill
 Address
Dana Kyker Jr II 2-7-97
 Signature Date



Cattail Woods Lane
 11 NEAR WHAT ROAD 30
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
 NORTH
 WEST SOUTH
 EAST
 34 295 37
 DISTANCE FROM ROAD
 ENTER FT OR MI FT
 38 39
 TAX MAP: 7 BLK: _____ PARCEL 137

B 2 WELL INFORMATION
 APPROX. PUMPING RATE (GAL. PER MIN.) 5
 8 12
 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500
 14 20

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 A49046 L
 COUNTY NAME COUNTY NO.
 STATE SIGNATURE _____ INSERT S
 DATE ISSUED 022097 Donna K. Sae 2/19/98
 43 48 CO SIGNATURE EXP DATE
 NORTH GRID 542000 EAST GRID 0781000
 50 55 57 63

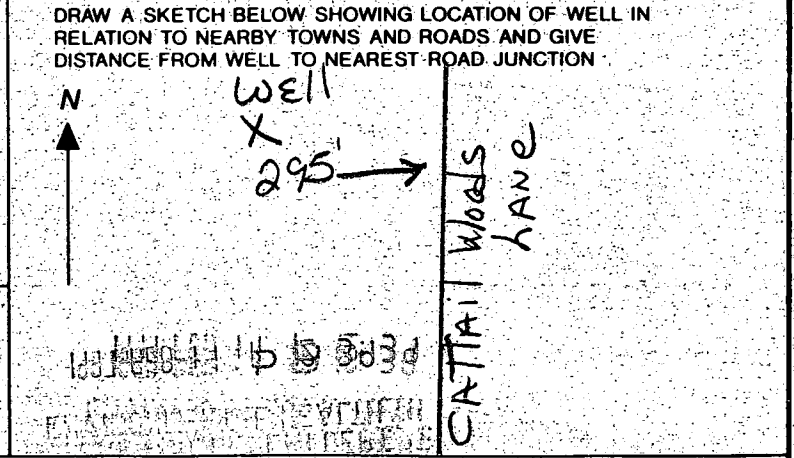
APPROXIMATE DEPTH OF WELL 225 FEET
 24 28

APPROXIMATE DIAMETER OF WELL 6 INCH
 NEAREST 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 _____

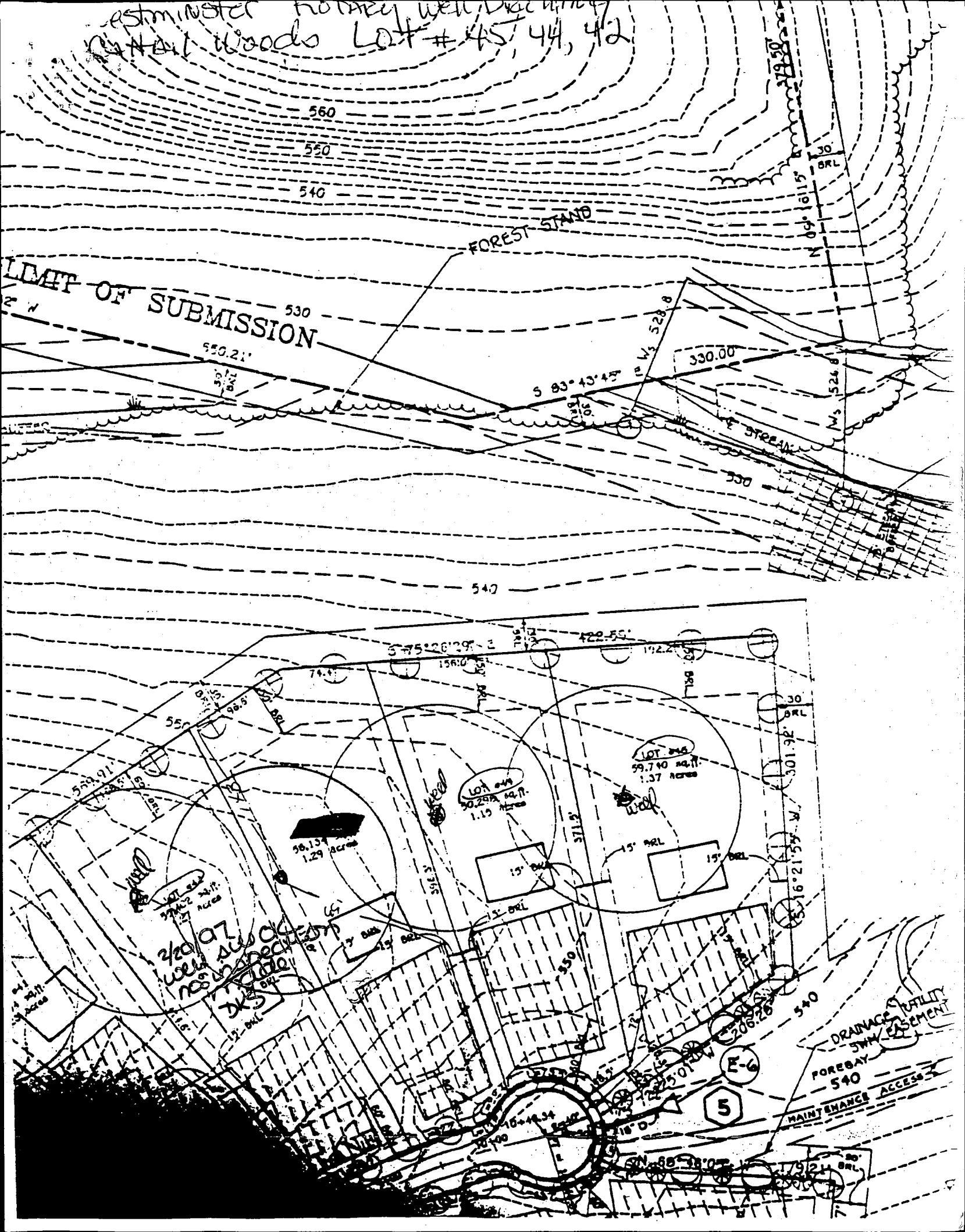
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X
 SOURCES OF DRILLING WATER
 1. CITY
 2.
 3.
 WRITE THE BOX NUMBER FROM THE MAP HERE
 N 781
 S 542
 000.000

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-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS
 THIS WELL WILL DEEPEN AN EXISTING WELL
 PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) _____



Not to be filled in by driller (MDE OR COUNTY USE ONLY)
 APPROX. PERMIT NUMBER GAP
 54 63
 FORCE DS WRITE INITIALS IN BOX
 PERMIT No. HD-94-1062
 70 71 72 73 74 75 76 77 78 79

ADMINISTERED BY THE WOODS LOT # 45, 44, 42



LIMIT OF SUBMISSION

FOREST STAND

STREAM

DRAINAGE UTILITY SWM CASEMENT

FOREBAY 540 MAINTENANCE ACCESS

560

550

540

530

540

W 528.8

330.00

S 83° 43' 43"

550.21'

S 75° 26' 29" E

422.55'

55°

550.91'

36.15
1.29 Acres

LOT #44
30.298 AC. 11
1.15 Acres

LOT #45
59.740 AC. 11
1.37 Acres

2/20 07
well specification
705
205

311.2'

15' BRL

15' BRL

30 BRL

301.92'

351.62' SW W

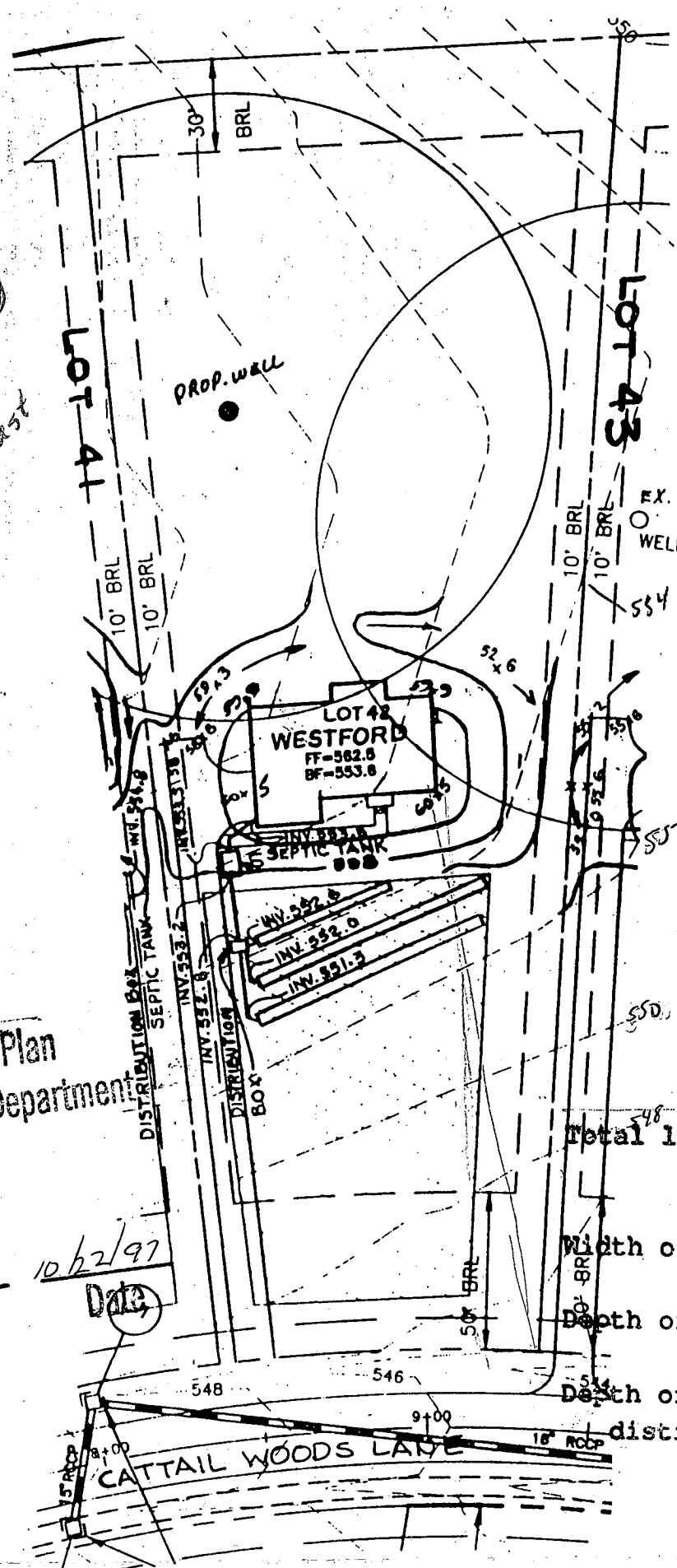
540

5

S 88° 38' 07" E

792.11' BRL

125' to road
50
15
10' for last
repair



Approved Septic System Plan
Howard County Health Department

B00108459

Glen A. Duff
Signature

10/22/97
Date

| | | |
|---|-----|------|
| Total linear feet of trench required | 280 | feet |
| Width of trench(es) | 2 | feet |
| Depth of trench(es) | 5 | feet |
| Depth of stone required below distribution pipe | 3 | feet |

NOTE:
FOR SEDIMENT CONTROL FEATURES SEE APPROVED
GRADING PLAN GP-97-130.

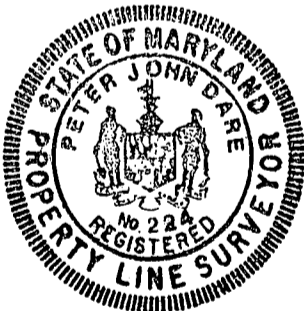
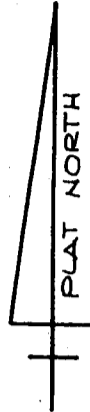
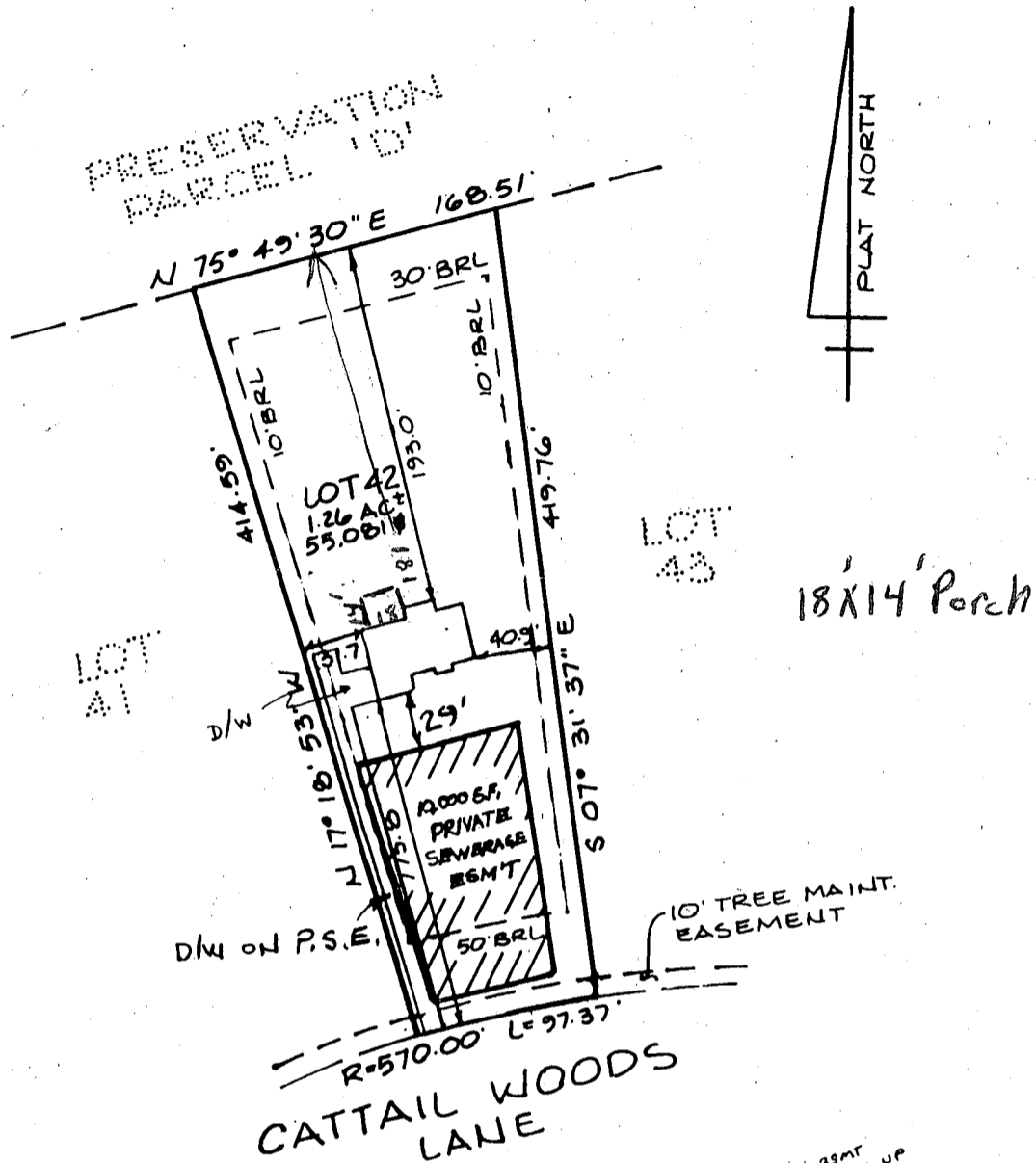
PLOT PLAN
CATTAIL WOODS

LOT 42
SECTION TWO, PARCEL 5

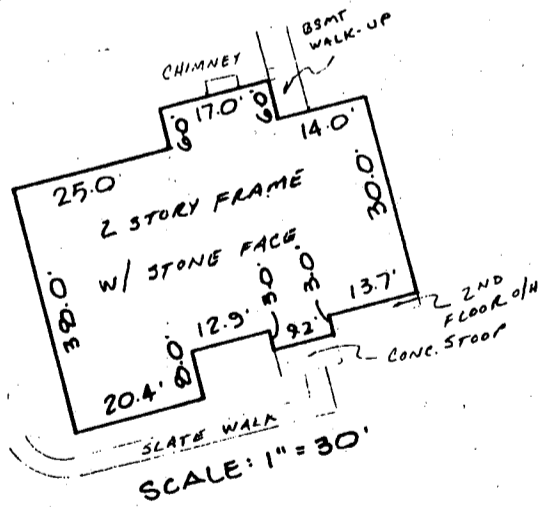
T S A GROUP INC.
8480 BALTIMORE NATIONAL PIKE, SUITE 418
ELLCOTT CITY, MARYLAND 21043
(410) 465 - 6105

TAX MAP NO.7 PARCEL 137
PLAT NOS. 12500-12502
4TH ELECTION DISTRICT OF HOWARD COUNTY, MARYLAND
SCALE: 1"=50' DATE: MAY 19, 1997

THIS LOCATION DRAWING IS OF BENEFIT TO A CONSUMER ONLY INsofar AS IT IS REQUIRED BY A LENDER OR TITLE INSURANCE COMPANY, OR ITS AGENTS, IN CONNECTION WITH FINANCING THE PROPERTY SHOWN HEREON. THIS DRAWING IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OF PROPERTY LINES OR THE CONSTRUCTION OF IMPROVEMENTS SUCH AS FENCES, GARAGES, OR BUILDING ADDITIONS. THIS DRAWING SHOWS THE CONFIGURATION AS CURRENTLY RECORDED, BEING SUFFICIENT FOR SETTLEMENT PURPOSES, BUT BEING INSUFFICIENT FOR THE SETTING OF PROPERTY CORNER PINS ON THE GROUND.

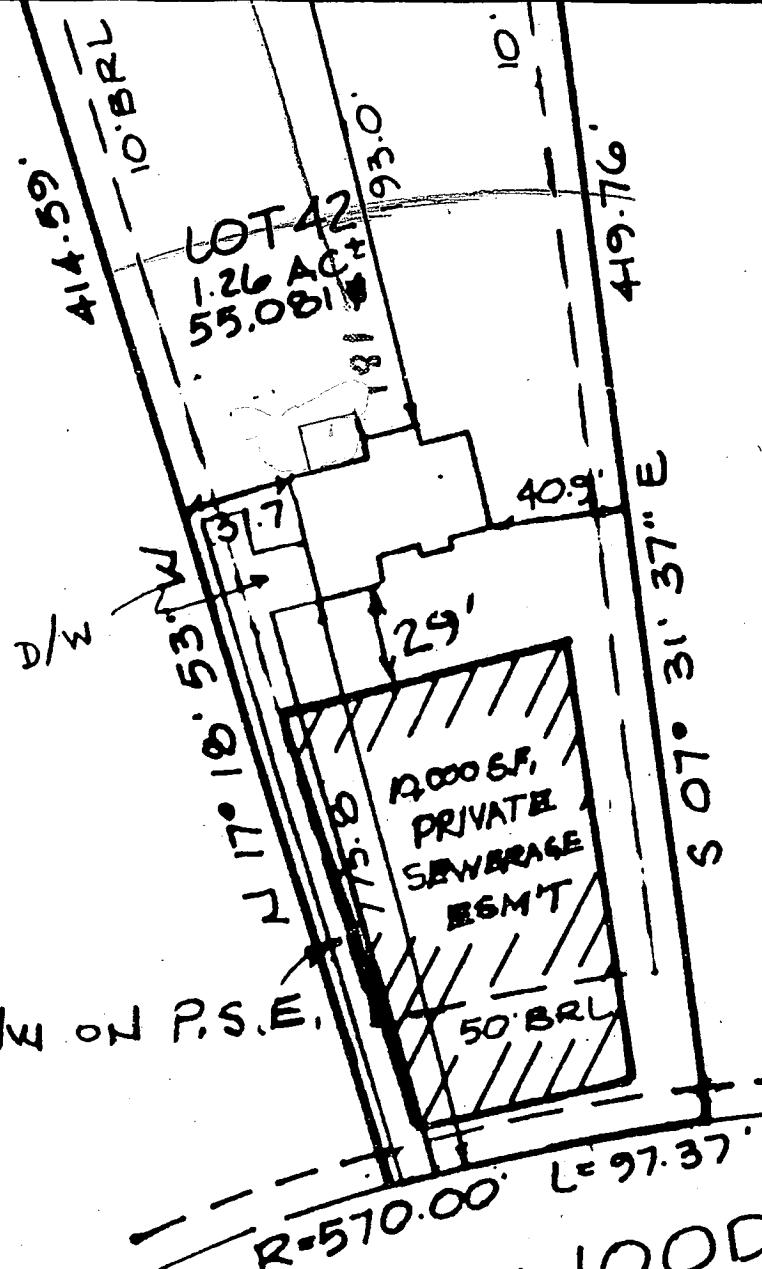


FIRST FLOOR
ELEV. = 563.6'



SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT THE LOCATION DRAWING SHOWN HEREON IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE IMPROVEMENTS HAVE BEEN LOCATED AS THE RESULT OF A FIELD SURVEY, AND THAT THERE ARE NO VISIBLE ENCROACHMENTS UNLESS SHOWN. THE PROPERTY DOES NOT LIE WITHIN A FLOOD HAZARD AREA ON THE FEMA F.I.R.M. IDENTIFIED BELOW. AT THE WRITTEN REQUEST OF THE PURCHASER, NO



LOT 43

18x14'

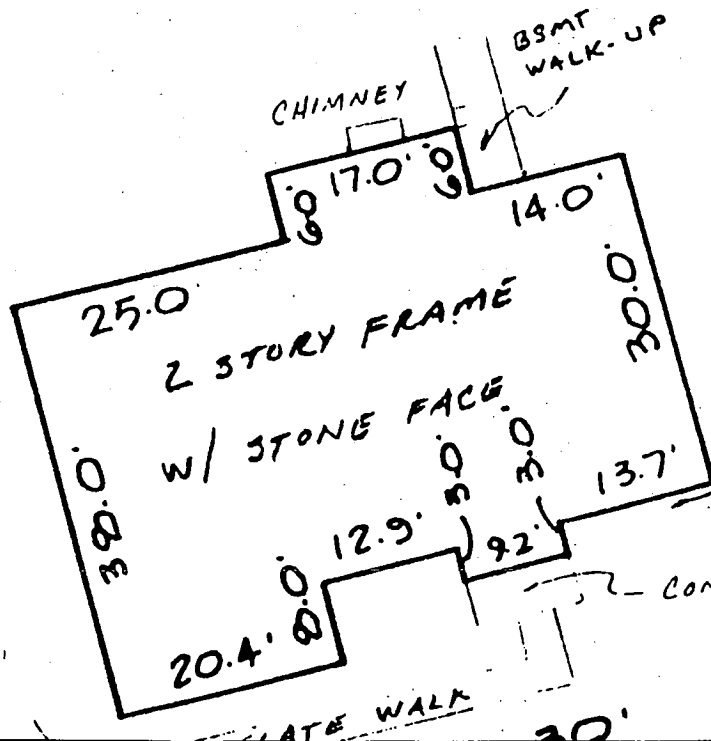
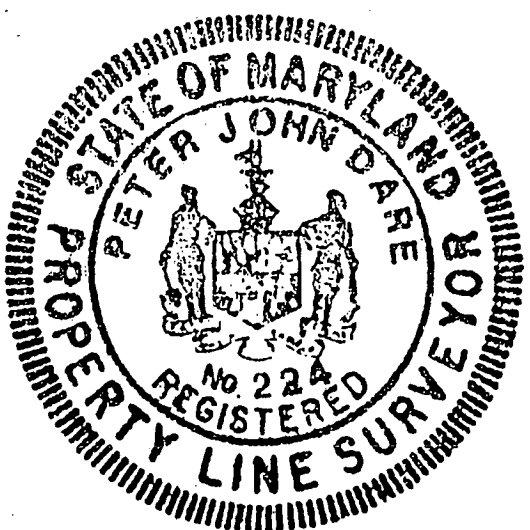
8/2/02 JB
O.K. for
Screened Porch

10' TREE MAINT.
EASEMENT

CATTAIL WOODS
LANE

1" ≈ 60'

LOOR
563.6'



CERTIFICATE

FILE INQUIRY FORM

Property Address: 1729 Cattail Woods Lane

~~Proposed~~ Proposed 1BR INLAW Suite

Tank add'n to 1500gal req'd

No trench add'n required

MR

4/9/04

