

9/30/97
WPI am

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 58973-C

A 57698

DISTRICT 4th

DATE 9-15-97

DATE SYSTEM APPROVED 9/22/97

INSPECTOR [Signature]

INDEXED

04-359461

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~XXXXXX~~ 410-313-2640

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

ADDRESS 558 Obrecht Road Sykesville, MD 21784 PHONE (410) 795-5674

SUBDIVISION Cattail Woods, Section II LOT 40 ROAD 1721 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 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 - Place distribution box 155 feet up the right lot line and 15 feet off that same lot line as seen when facing the lot from Cattail Woods Lane. Run trenches on contour toward the left 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 KM 7-21-97

PLANS APPROVED BY Amy McMillen/Donna K. Soe DATE 07/16/97

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

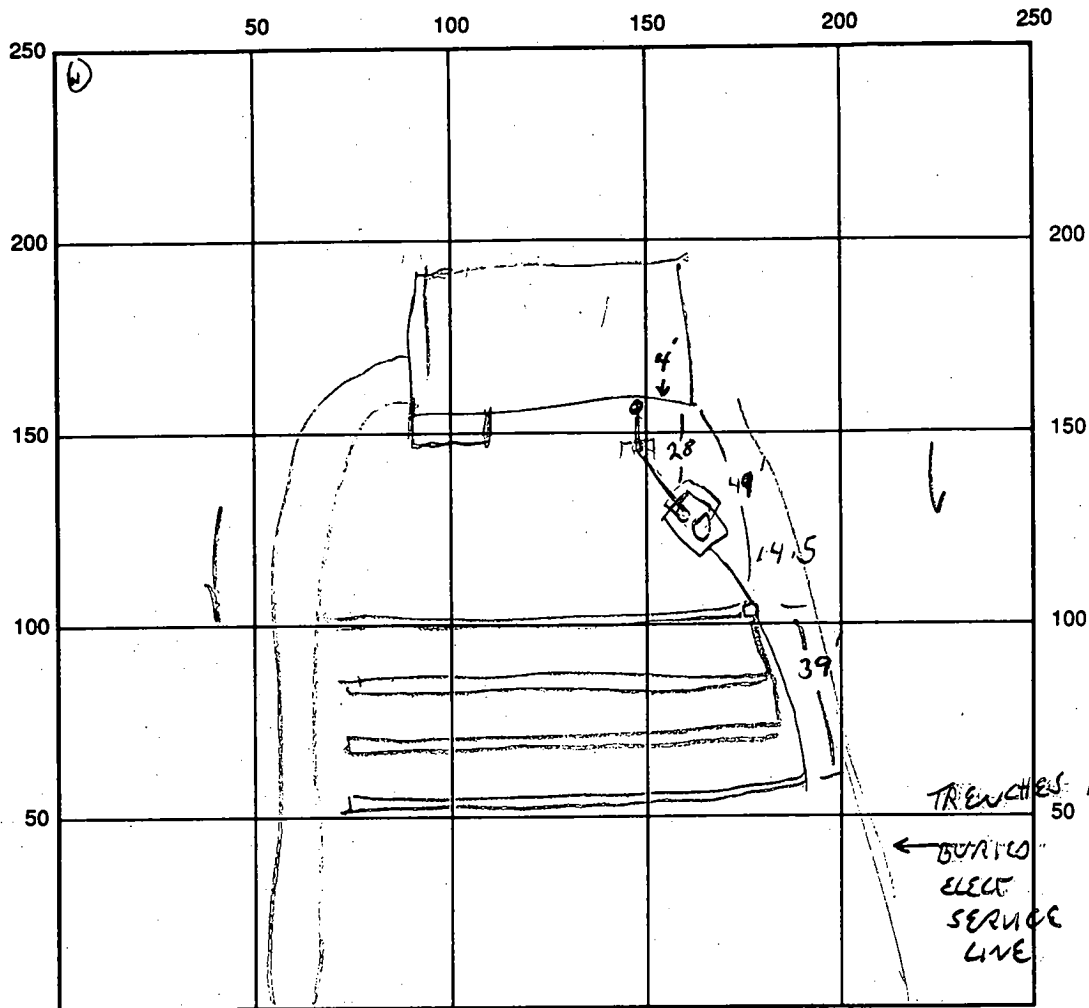
PERMIT VOID AFTER TWO YEARS

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
57698



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE
 EASTING WOODS LAKE

SEPTIC TANK LEVEL OK 12.50 CLEANOUTS 2 ON TANK, 1 AT WALL

DISTRIBUTION BOX LEVEL OK LEVELERS SET

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

EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH 112.315 FT.

NUMBER OF TRENCHES 4 ~~ONESIDE WALL~~/BOTTOM AREA _____ SQ. FT.

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

ABSORBENT AREA - SQ. FT.

REMARKS: 9/22/97 4 RISER + STANPIPE ON S.T.

9/30/97 well line/pitless adaptor covered @ time of insp. AM

DATE SYSTEM APPROVED 9/22/97 INSPECTOR [Signature]

3:26 PM
10/20/97

APPLICATION

PERCOLATION TESTING
2-28-97
CALL FOGLE'S SEPTIC CLEAN
WITH A TEST DATE
AGENT TO PROMISE TEST PLAN

A 57698

P _____

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

DISTRICT _____

DATE 2/28/97

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 Pulte Home Corp.

ADDRESS _____ PHONE _____

AGENT OR PROSPECTIVE BUYER Pulte Homes

ADDRESS 1501 S. Edgewood Street Suite K PHONE 644-5603
Baltimore, Md. 21227

PROPERTY LOCATION: _____

SUBDIVISION Cattail Woods LOT NO. 40

ROAD AND DESCRIPTION Re-pan these septic Areas
1721 Cattail Woods Lane

TAX MAP _____ PARCEL # _____

SIZE OF LOT 1.5 Acres TYPE BLDG. SFR - 4brn
(SINGLE FAMILY DWELLING OR COMMERCIAL)
BLDG. PERMIT SIGNED
AND RETURNED 7-16-97
Serial # BR106031

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. Dale H. Hoyer
(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

A57698

COUNTY #

LOT 40

SOIL PROFILE

A

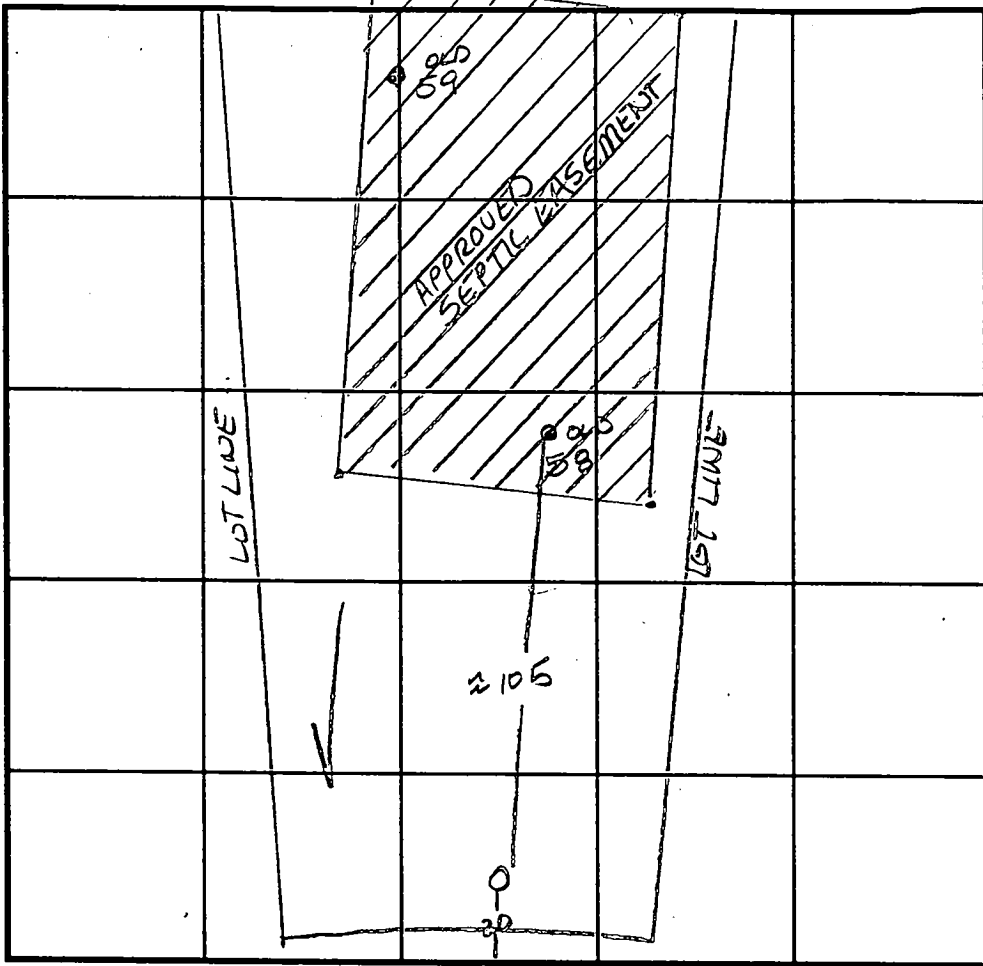
0'
 3.0
 20

1gt
orange
red
siltm

pink to
orange
silm
10-15%
decayed
Saprotik
&
Rock
mix

SOIL PROFILE

0'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.
 CATTAIL WOODS LAKE

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
3-26-97	A	4.0 12.0	10:24	10:34	10:34	10:54	20min

REMARKS _____

TYPE OF SOIL _____

TESTED BY Amy McMillen ALSO PRESENT Fogles

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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

APPLICATION

PERCOLATION TESTING

A496463

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. 40

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 Let to go

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

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

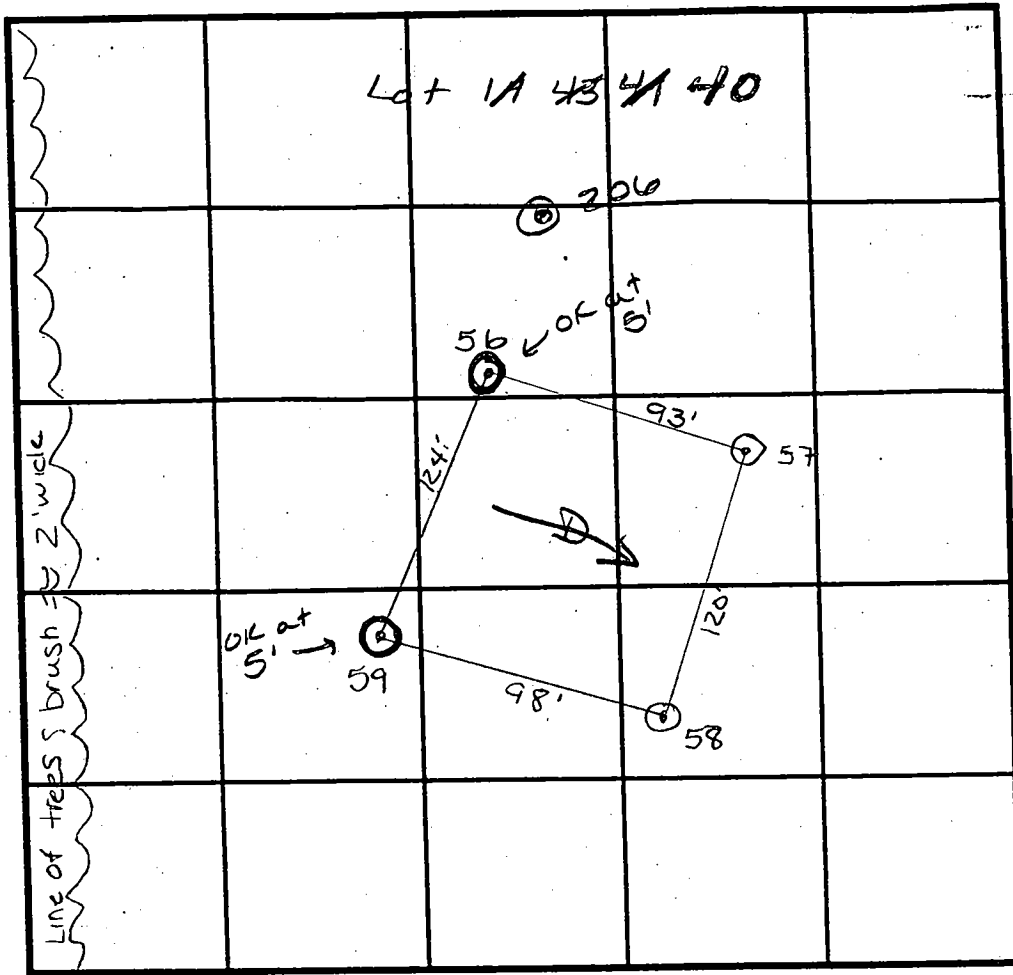
THIS IS NOT A PERMIT

A49646T
COUNTY #

SOIL PROFILE 58
1' reddish brn C
4' red brn SiCL w/ saprolite
13' 59

3' 59
4 1/2' red brn w/ yellow streaks SiCL
6' 59
12' 56

8' 56
4' red brn SiCL (mica)
very decayed
w/ some rock



SOIL PROFILE 57
3' brn CL
6' brn w/ some red SiCL
12' Saprolite shelf w/ some rock

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	58	4' V13'	11:48	11:51 ⁴⁵	11:41 ⁵⁵	6:59	7min
	59	4' V12'	11:55	12:16	12:16	>30 min	
	56	4' V12'	12:01 ⁴⁵	12:12	12:12	12:30 ⁵⁵	12:30 min
	57	3 1/2' V12'	12:13	12:15	12:15	12:23	8min
	59	8' V12'	2:04 ³⁰	2:06 ³⁰	2:06 ³⁰	2:12	5 1/2 min
12/13/93	56	4 1/2' V12'	1:04	1:08	1:08	1:15	8min
	59	5' V12'	12:59 ¹⁵	1:02	1:02	1:05 ⁴⁵	3 3/4 min
3-15-94	206	3.5' V12'	11:21	11:26 ³⁰	11:26 ³⁰	11:35	

REMARKS Shallow system only
 TYPE OF SOIL Glenelg Loam
 TESTED BY A. M. Miller / C. Williams ALSO PRESENT B. SAUNDERS
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 7min TRENCH WIDTH 3'
 INLET DEPTH B' MAXIMUM BOTTOM DEPTH 5' SQ. FT./BEDROOM 210 ft²

B 1 **7100** SEQUENCE NO. (DP USE ONLY)

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

STATE OF MARYLAND
APPLICATION FOR PERMIT TO DRILL WELL
please print or type

STATE PERMIT NUMBER
40-94-1048
fill in this form completely

B 2 **01/15/97** **OWNER INFORMATION**

2006 **DO NOT VENTURE**
Last Name Owner First Name

7555 **WILSON CHAPEL**
Street of RFD

WOODBINE **MD211797**
Town 70 State 72 Zip 76

B 3 **LOCATION OF WELL**

HOWARD COUNTY

CATAIL WOODS SUBDIVISION

SECTION **2** LOT **40**

WILSON NEAREST TOWN

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

DRILLER INFORMATION MSD/MGD/MWD

DANA KYLER, JTE **256**
Driller's Name License No. 80

Abstrax Inc. Power Well Drilling
Firm Name

PO Box 561, Westminster, MD 21158
Address

Dana Kyler, JTE **050** **1/13/97**
Signature Date

B 4 **1721 CATAIL WOODS LANE**

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

300 DISTANCE FROM ROAD
ENTER FT OR MI **FT**

TAX MAP: **7** BLK: _____ PARCEL **137**

WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) **5**

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) **ASD**

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)

NOT TO BE FILLED IN BY DRILLER
HEALTH DEPARTMENT APPROVAL

HOWARD CO. **A49646J**
COUNTY NAME COUNTY NO.

STATE SIGNATURE _____ INSERT S

DATE ISSUED **012997** **Amy McMulle** **1/29/98**
CO SIGNATURE EXP. DATE

NORTH GRID **542000** EAST GRID **0781000**

APPROXIMATE DEPTH OF WELL **250** 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 - CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS

D THIS WELL WILL DEEPEM AN EXISTING WELL

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) _____

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

APPROX. PERMIT NUMBER **GAP**

FORCE **AM** WRITE INITIALS IN BOX PERMIT No. **40-94-1048**

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER

- City**
-
-

WRITE THE BOX NUMBER FROM THE MAP HERE

781
542

DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION

2-26-97 will grout after pump test km no insp.

Well

CATAIL WOODS

PA-HIE BRANCH Way

C1 6541 SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED. COUNTY NUMBER A 49646 J

DATE RECEIVED 3/12/97 DATE WELL COMPLETED 02/26/98 DEPTH OF WELL 252.26 PERMIT NO. HO-94-1048

OWNER 206 Joint Venture last name CATTAIL WOODS Ln first name TOWN LISBON SUBDIVISION CATTAIL WOODS SECTION LOT 40

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

GROUTING RECORD form with fields: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL (CM, BC), NO. OF BAGS (30), NO. OF POUNDS (2820), GALLONS OF WATER (180), DEPTH OF GROUT SEAL (0 to 80 ft).

CASING RECORD form with fields: casing types insert appropriate code below (ST, CO, PL, OT), MAIN CASING TYPE (S, T), Nominal diameter top (main) casing (6, 82), Total depth of main casing (82, 70).

OTHER CASING (if used) form with fields: diameter inch, depth (feet) from to.

SCREEN RECORD form with fields: screen type or open hole (ST, BR, HO, PL, OT), insert appropriate code below.

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED (Y), CIRCLE APPROPRIATE LETTER (A, E, P).

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...

DRILLERS LIC. NO. 1 M W D 256 Dana Kyker Jr II DRILLERS SIGNATURE

LIC. NO. 1 M W D 334 Dana Kyker Jr II SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

DEPTH (nearest ft.) table with columns: 1-11, 15-17, 21, 23-24, 26, 30-32, 36, 38-39, 41, 45-47, 51. Rows include H O, A C H S R E N.

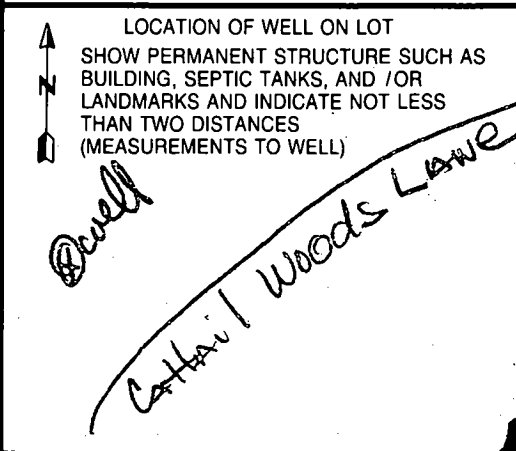
GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

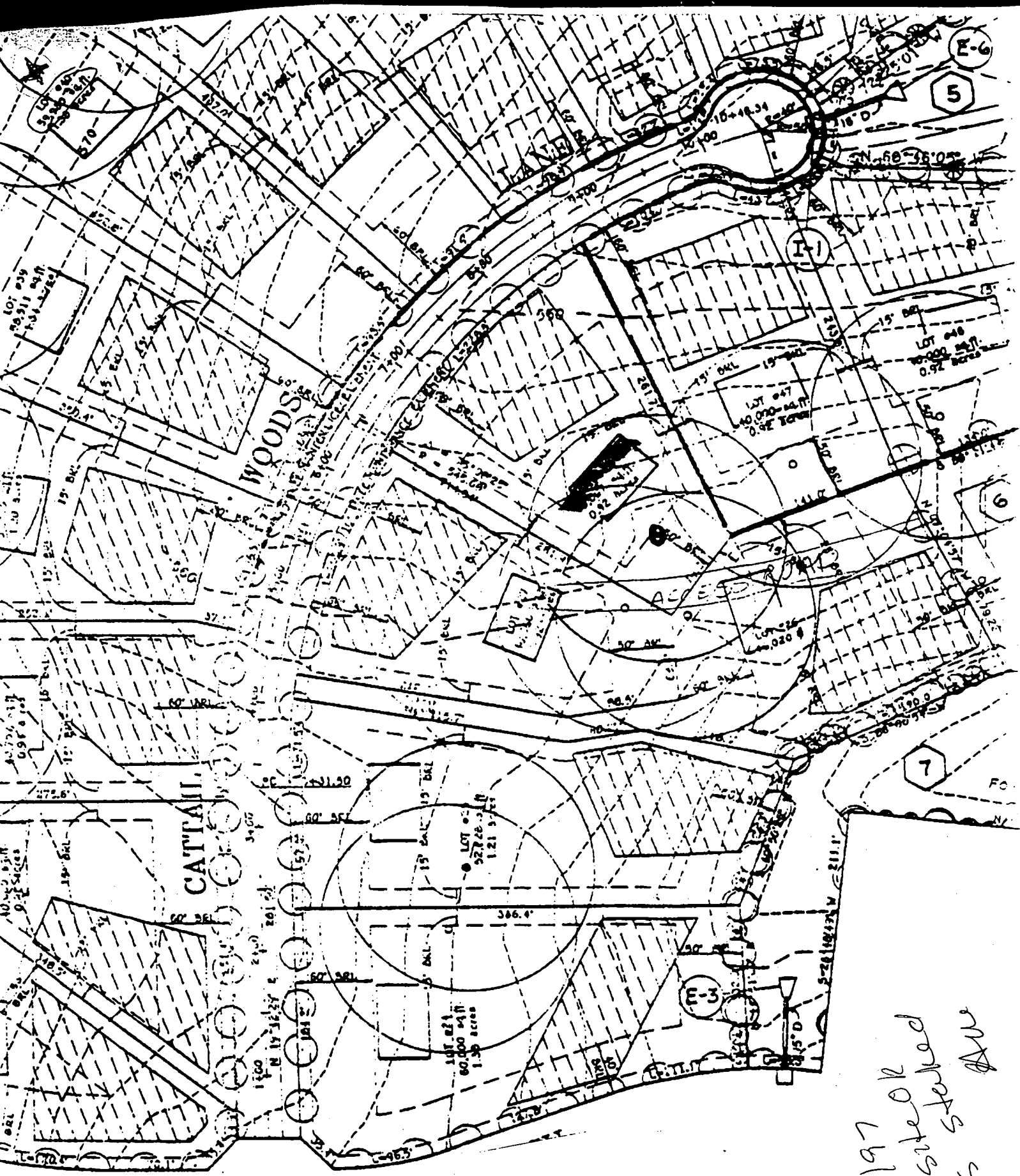
MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q

TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMPING TEST form with fields: HOURS PUMPED (3), PUMPING RATE (4), METHOD USED TO MEASURE PUMPING RATE (submersible), WATER LEVEL (34 ft before, 137 ft when pumping), TYPE OF PUMP USED (S submersible).

PUMP INSTALLED form with fields: DRILLER WILL INSTALL PUMP (YES), TYPE OF PUMP INSTALLED (S), CAPACITY: GALLONS PER MINUTE (31), PUMP HORSE POWER (37), PUMP COLUMN LENGTH (43), CASING HEIGHT (49 above).





**SCHEDULE D
STORMWATER MANAGEMENT AREA**

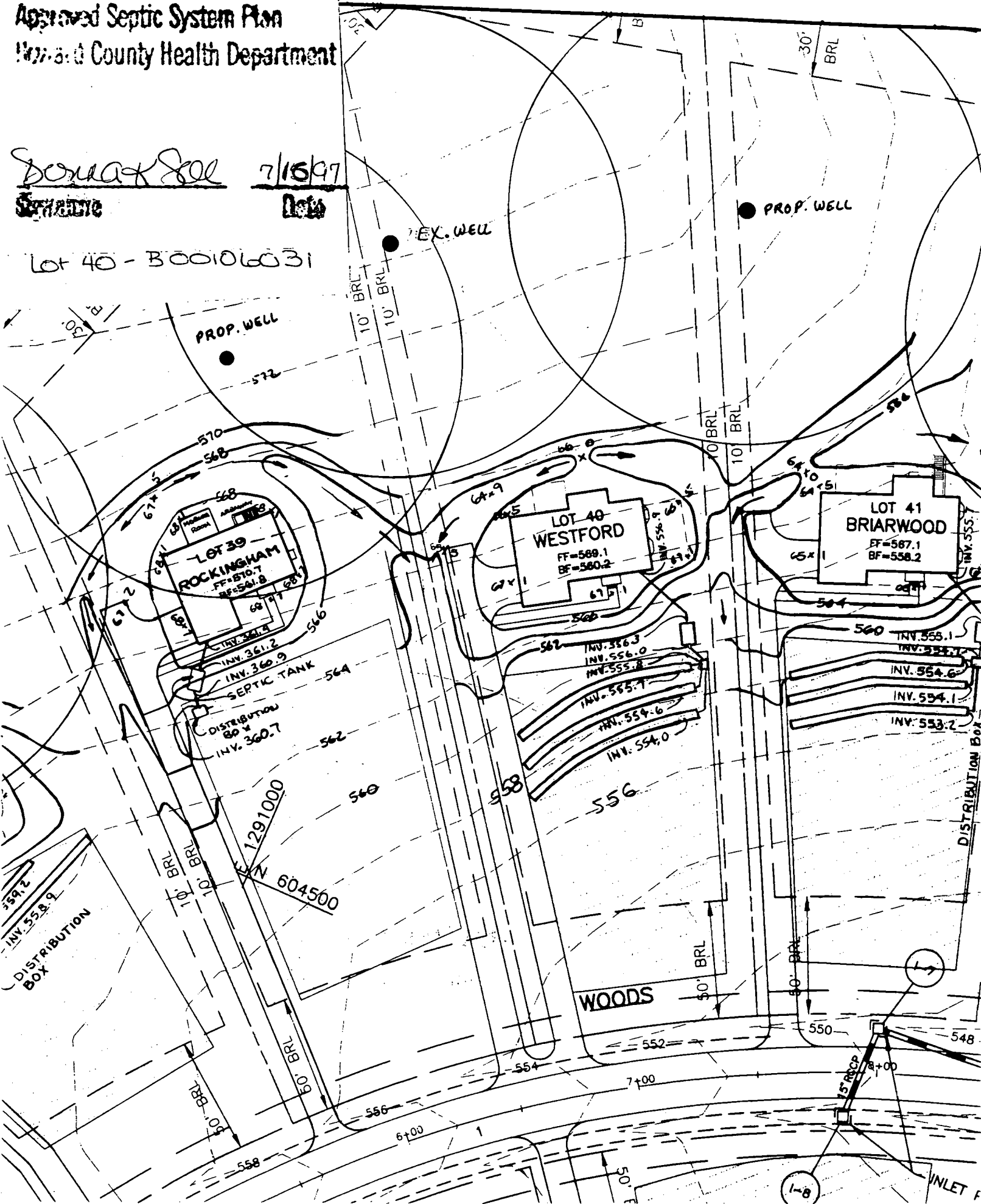
LINEAR FEET OF PERIMETER
NUMBER OF TREES REQUIRED
SHADE

1/29/97
Will site-staked
us
AW

Approved Septic System Plan
Harris County Health Department

Donna & Joe 7/16/97
Schmitt Date

Lot 40 - B00106031



PROPERTY OF
W.L. CISSEL
190/46
ZONED RC

GIC2

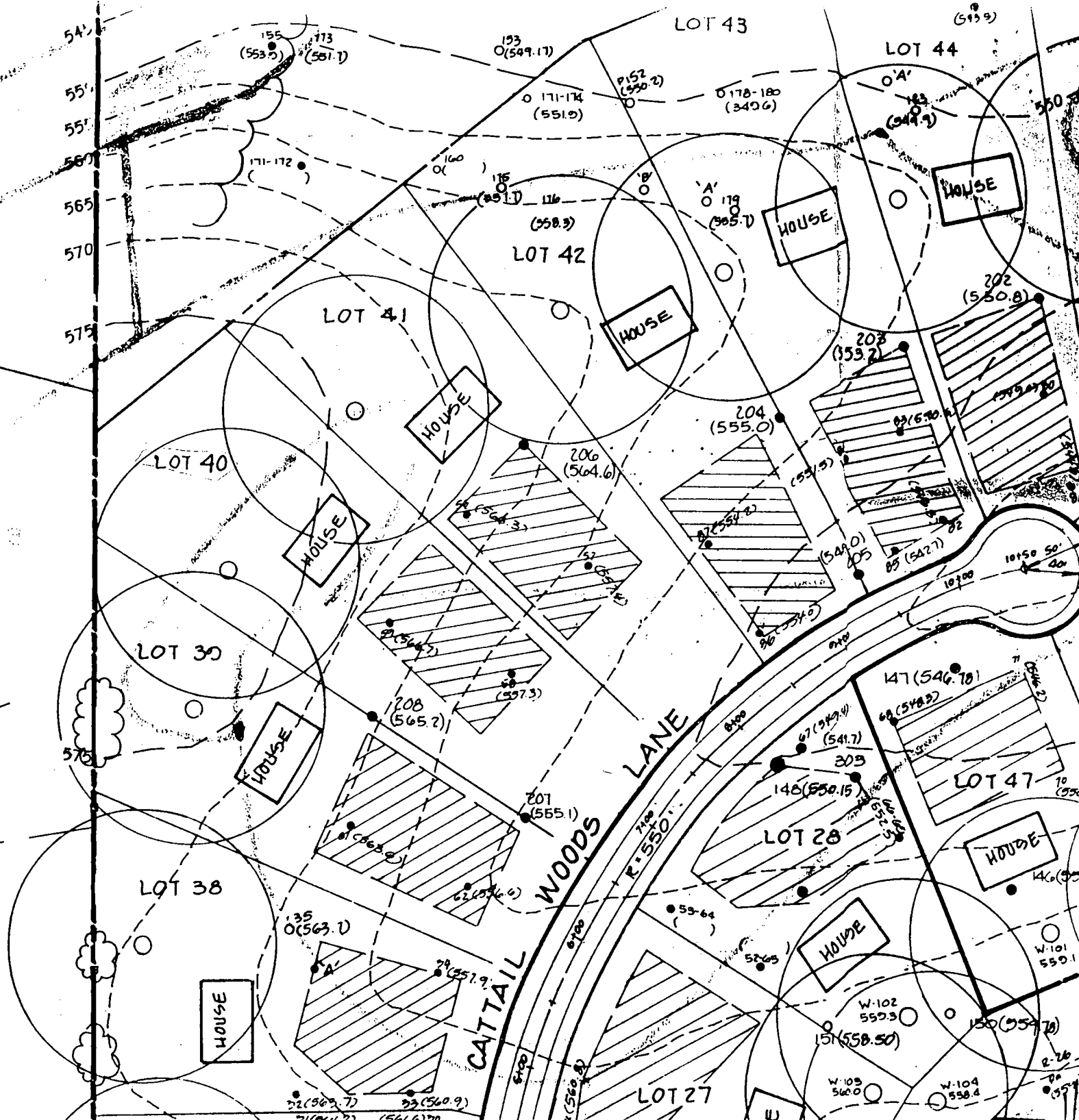
LOT 9

ES90500
N185000

570

6475 2846 000
1100 9448 000

copy of signed
perc cert



LOT 43

LOT 44

LOT 42

LOT 41

LOT 40

LOT 39

LOT 38

CATTAIL WOODS LANE
R. 550

LOT 28

LOT 47

LOT 27

W-102
559.3

W-103
560.0

W-104
558.4

W-101
550.1

151 (557.7)

8-26
80
577

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

60'
BRL

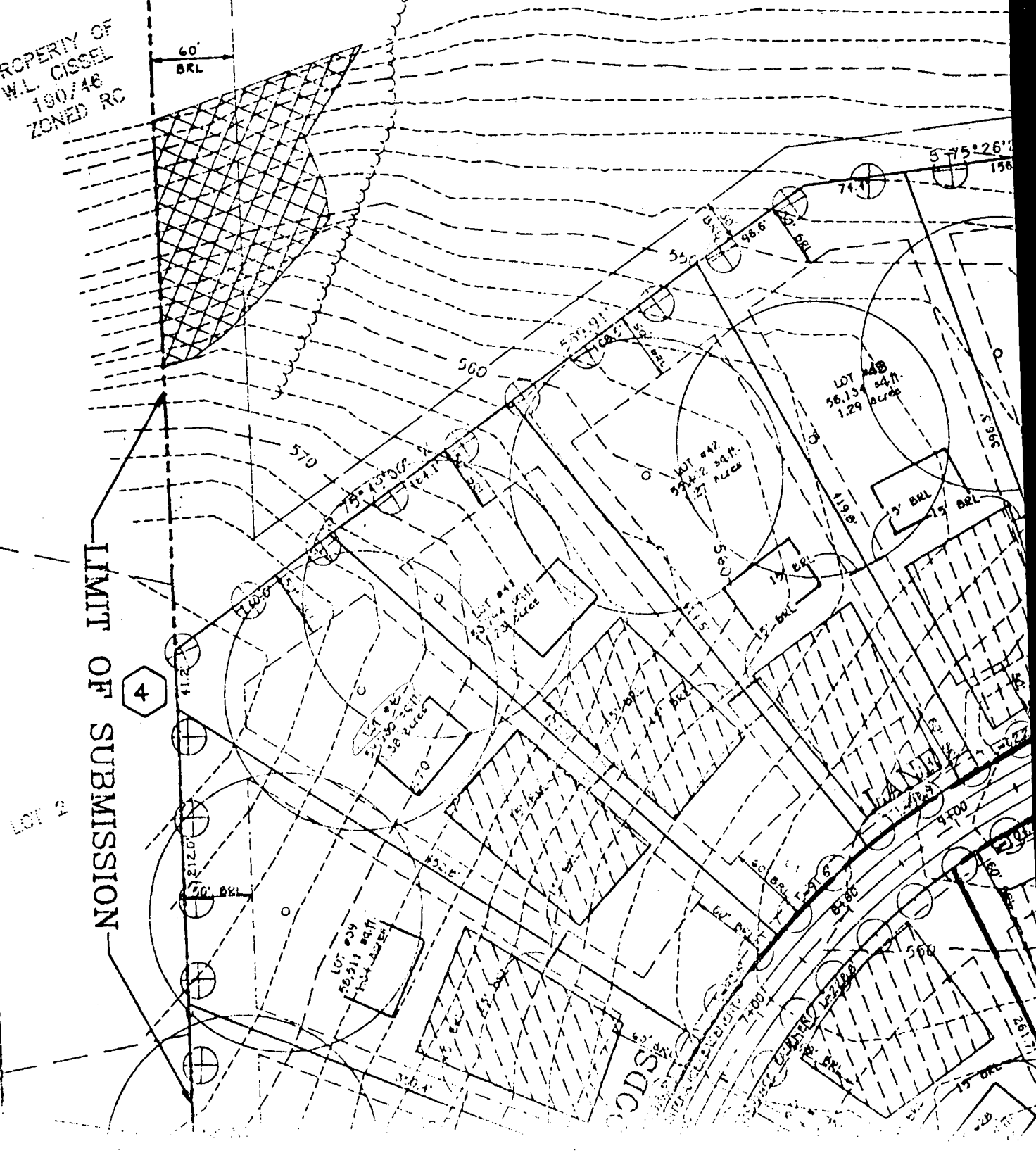
575°26'
156

LIMIT OF SUBMISSION

4

copy of signed
Prelim Plan

LOT 12



LOT 3

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

LOT 2

1587.07'

N 18°40'20" E

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
50,298 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 RESIDENTIAL
AGRICULTURAL
PRESERVATION
TOTAL AREA THIS
AREA THIS

10' TREE MAINTENANCE
EASEMENT (PUBLIC)

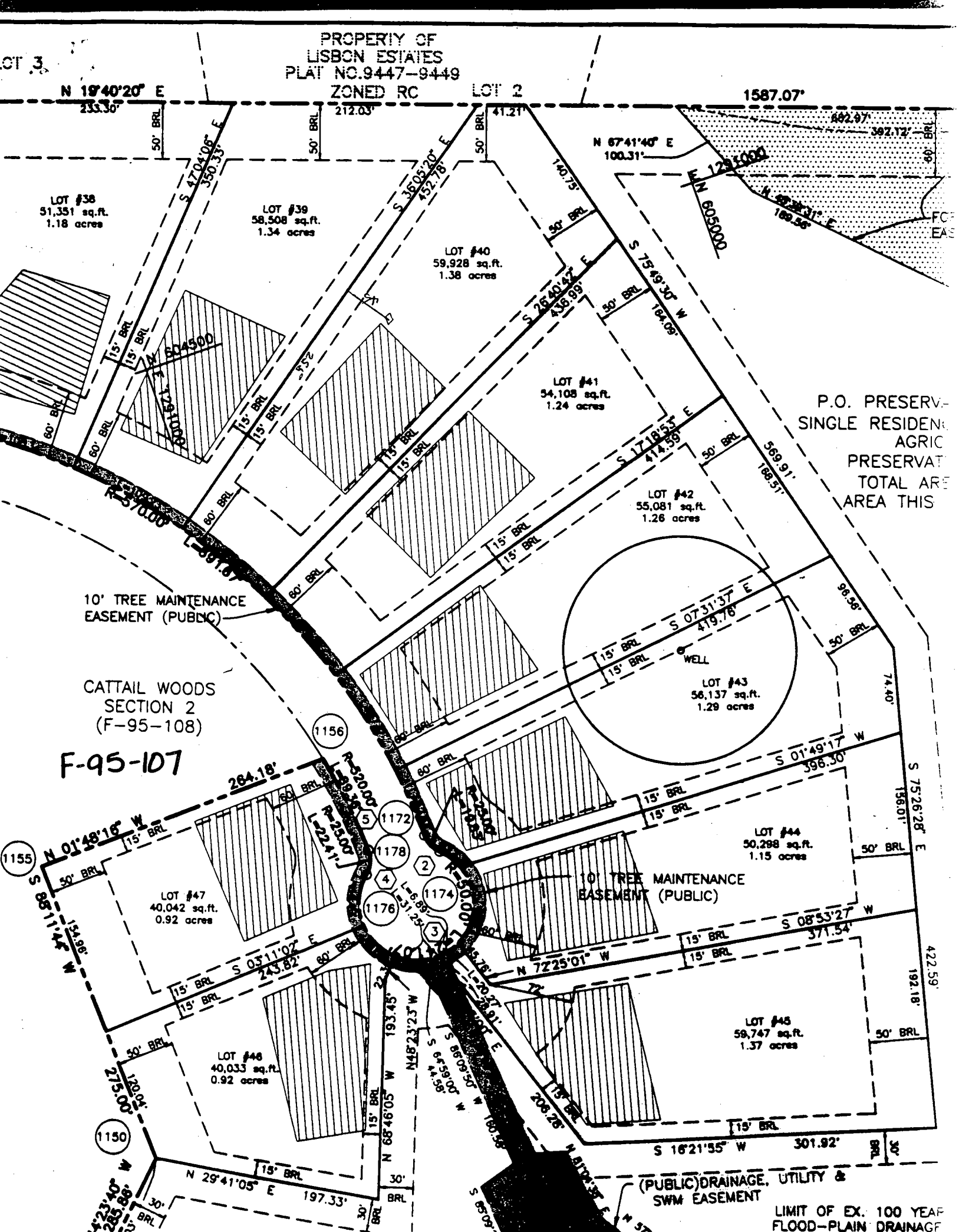
CATTAIL WOODS
SECTION 2
(F-95-108)

F-95-107

10' TREE MAINTENANCE
EASEMENT (PUBLIC)

(PUBLIC) DRAINAGE, UTILITY &
SWM EASEMENT

LIMIT OF EX. 100 YEAR
FLOOD-PLAIN DRAINAGE

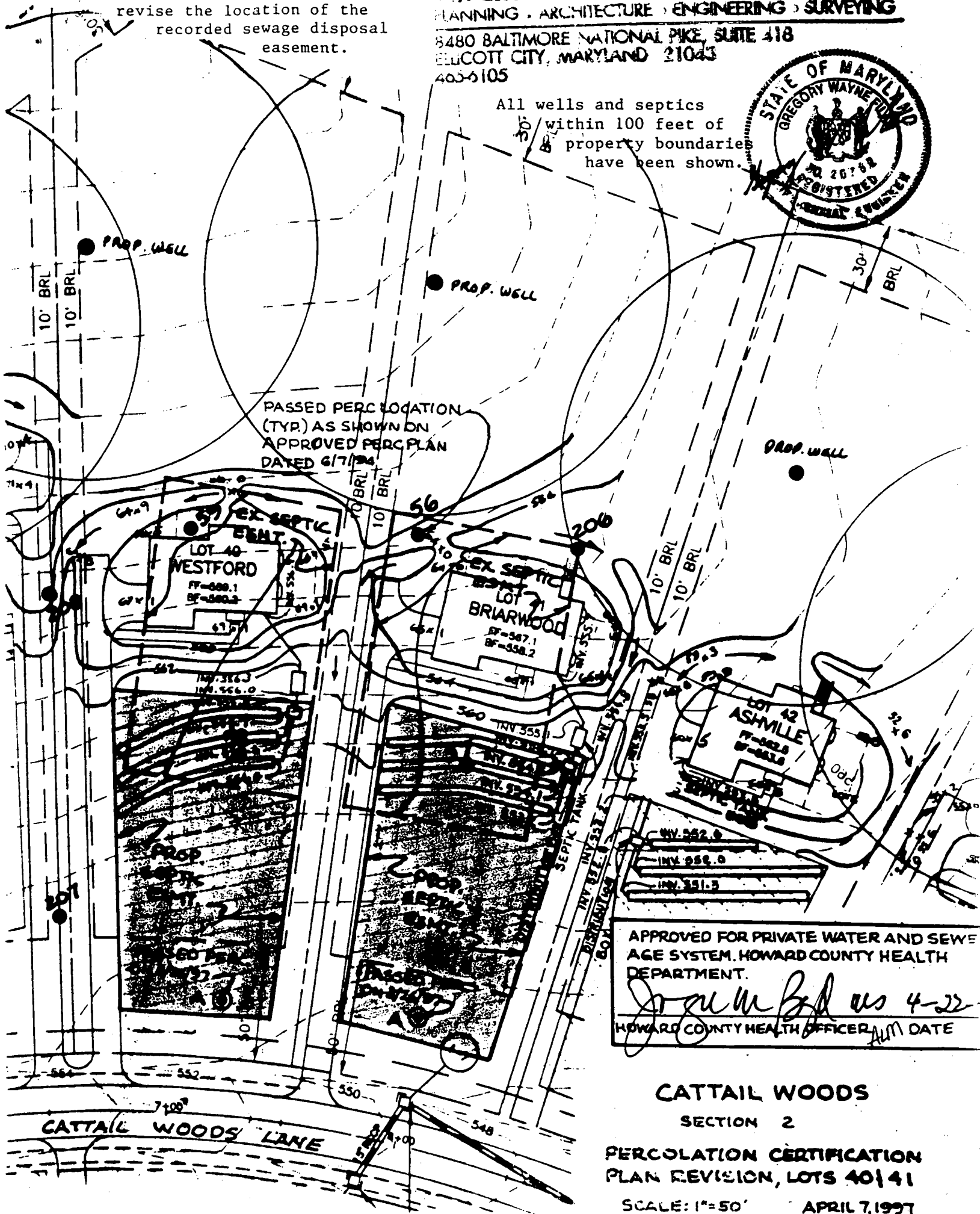


The purpose of this document is to revise the location of the recorded sewage disposal easement.

SEA GROUP INC.
 PLANNING, ARCHITECTURE, ENGINEERING, SURVEYING
 8480 BALTIMORE NATIONAL PIKE, SUITE 418
 BELCOTT CITY, MARYLAND 21043
 410-5105



All wells and septic systems within 100 feet of property boundaries have been shown.



PASSED PERC LOCATION (TYP.) AS SHOWN ON APPROVED PERC PLAN DATED 6/7/94

APPROVED FOR PRIVATE WATER AND SEWAGE SYSTEM. HOWARD COUNTY HEALTH DEPARTMENT.
Gregory Wayne Ford 4-22-97
 HOWARD COUNTY HEALTH OFFICER DATE

CATTAIL WOODS
 SECTION 2
PERCOLATION CERTIFICATION
PLAN REVISION, LOTS 40/41
 SCALE: 1"=50' APRIL 7, 1997