

8/13/97
ASAP
8/14/97
P.M.

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

INDEXED

P 58587B

A 49645-G

DISTRICT 4TH

DATE 7-28-97

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~XX461-9933~~ 313-2640

DATE SYSTEM APPROVED 8-14-97

INSPECTOR DKS

04-359 283

Fogle's Septic Clean, Inc.

IS PERMITTED TO INSTALL ALTER

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

SUBDIVISION Cattail Woods, Sec. II LOT 25 ROAD 1704 ~~1904~~ Cattail Woods Lane

PROPERTY OWNER Pulte Home Corp. RUSSELL KAREN OPSETH

ADDRESS _____

SEPTIC TANK CAPACITY 1500 GALLONS

NUMBER OF BEDROOMS 5

240 ²¹⁰ SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 400 ³⁵⁰

8/13/97
specs and location
modified due to
site conditions.
(DKS)

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

LOCATION - Starting at the rear left lot line as viewed from Cattail Woods Lane, go to a point on the left (391.01') lot line 140 feet from the origin. Place the distribution box 50 feet off that point. Install trenches on contour toward left lot line. 70

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 Ronald J. Pinkley DATE 06/24/97

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

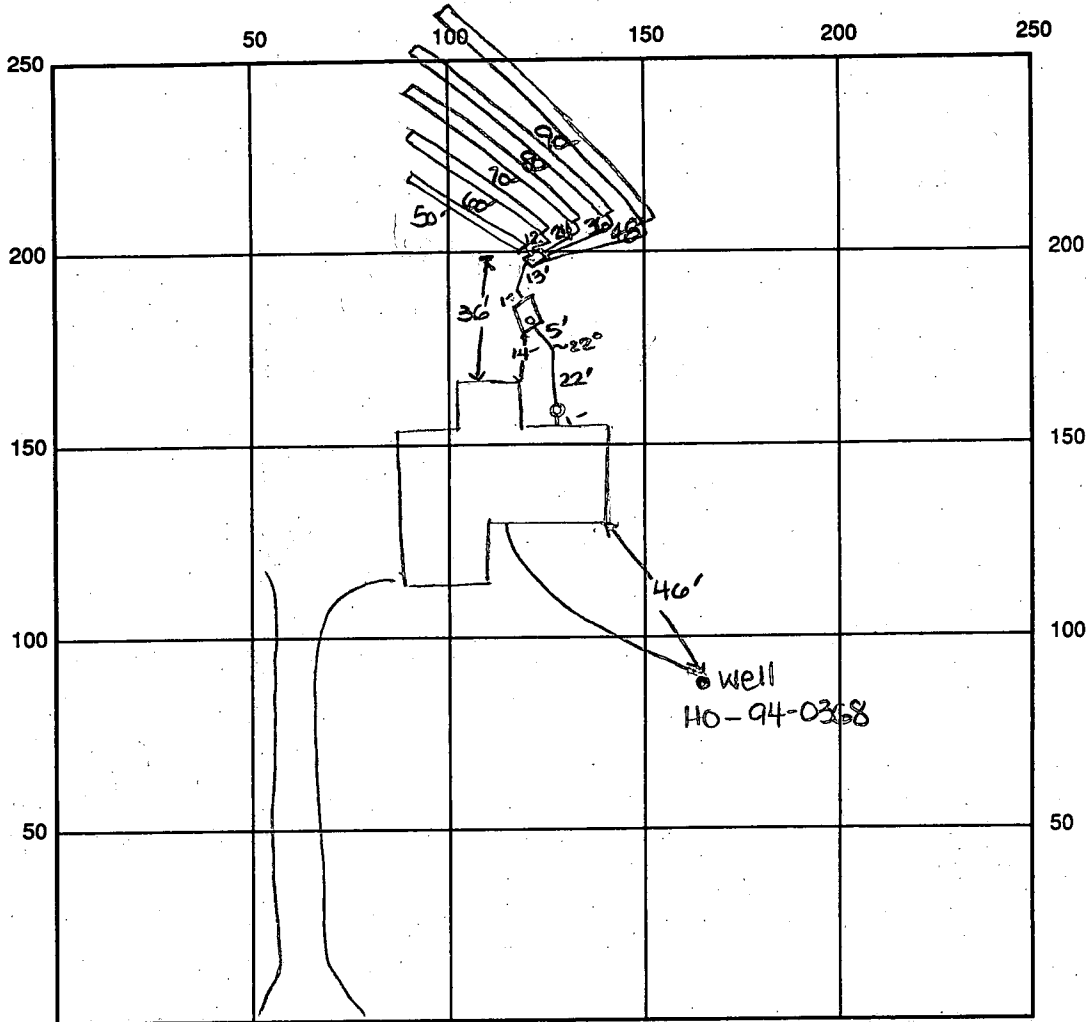
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON. CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET. MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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

BLDG. PERMITS DIVISION
AND RETURNED 9/12/01
deck-300132353

A 49645G



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

Cattail Woods Lane

SEPTIC TANK LEVEL OK-1250 gal CLEANOUTS one at house, one on s.t.

DISTRIBUTION BOX LEVEL OK - base in

DRAIN FIELD/TITLE DEPTH 4 FT. TRENCH WIDTH 3 FT. INLET DEPTH 2 FT.

EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH 50/60/70 FT. → 350

NUMBER OF TRENCHES 5 ONE SIDEWALL/BOTTOM AREA 1050 SQ. FT.

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

ABSORBENT AREA — SQ. FT.

REMARKS: 8/13/97 specs and location modified - OK to start trenches. Septic tank set - OK. DKS

8/14/97 P.M. FINAL INSP - OK to cover all work. DKS

8/14/97 WPI - well line, P.A. 44" b.g. well casing 1' a.g. 2pc cap installed. OK to cover work. DKS

DATE SYSTEM APPROVED 8/14/97 INSPECTOR DONALD S. GORE

APPLICATION

PERCOLATION TESTING

A 49645G

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. 25

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

A49645G

Lot ~~27~~ 25

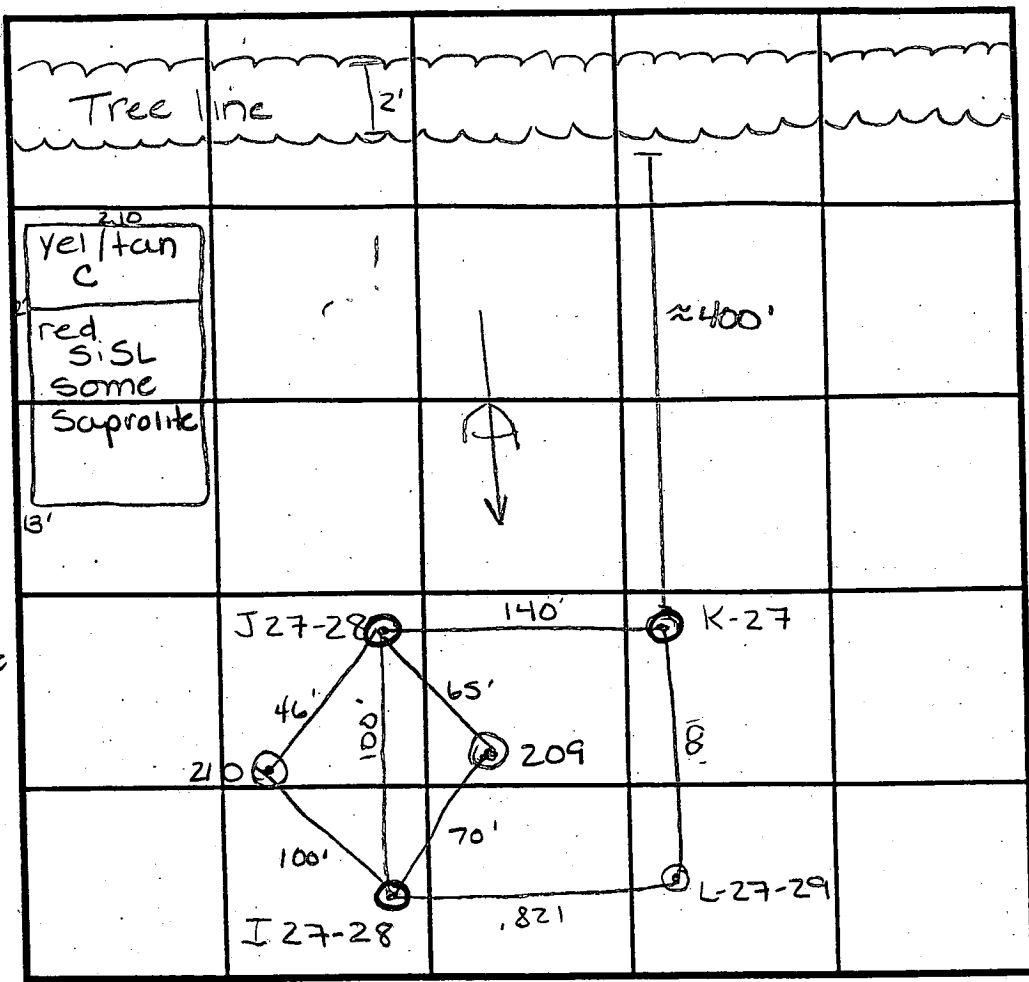
COUNTY #

SOIL PROFILE

0' I 27-28
 top soil
 1' orange brn c
 3' orange brn SSIL
 starting at
 3'-packets
 of
 >50% shale

J 27-28
 orange brn c
 3' red CL
 4 1/2' SSIL brn
 5' packets
 of
 >50% shale

K 27
 reddish orange c
 2' red w/ vel streaks cl
 4' red w/ vel streaks sil
 starting at
 5'
 >50% shale



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE

0' L 27
 1 1/2' 1gt brn c
 2 1/2' red CL
 4' brn sil w/ hint of red decayed shale at 9'
 11 1/2' 209
 3 1/2' yel/tan c
 brn w/ slight hint of red some Saprolite mica
 13 1/2' water

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
11/18/93	I 27-28	6 1/2' V12'	12:57 ³⁰	1:00 ³⁰	1:00 ³⁰	1:05 ³⁰	5min	F
		3' V12'	12:02	12:04	12:04	12:06 ¹⁵	2 1/4 min	F
	J 27-28	3' V12'	12:47	12:53	12:53	1:05	12min	F
	K 27	2' V12'	12:50	1:01	1:01	1:17	16min	F
	L 27	2' V12'	1:10	1:16	1:16	1:23	7min	
3/15/94	210	Visual to 13'					OK	
3/15/94	209	Visual to 13 1/2'					F/OK	dependent on other holes

REMARKS Max bottom 6'

TYPE OF SOIL Generally loam

TESTED BY CRAG WILLIAMS & Amy McMillen ALSO PRESENT B SANDERS

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 14 min TRENCH WIDTH 3

INLET DEPTH 3' MAXIMUM BOTTOM DEPTH 5' SQ. FT./BEDROOM 240

COUNTY #

SOIL PROFILE L 27-29

1' 0" topsoil
 6" orange/brn c
 2' orange/brn sil
 6' some rock <50%

M-29

orange/brn c
 3 1/2' brn w/ red streaks sil

4 1/2' - decayed shale <50%

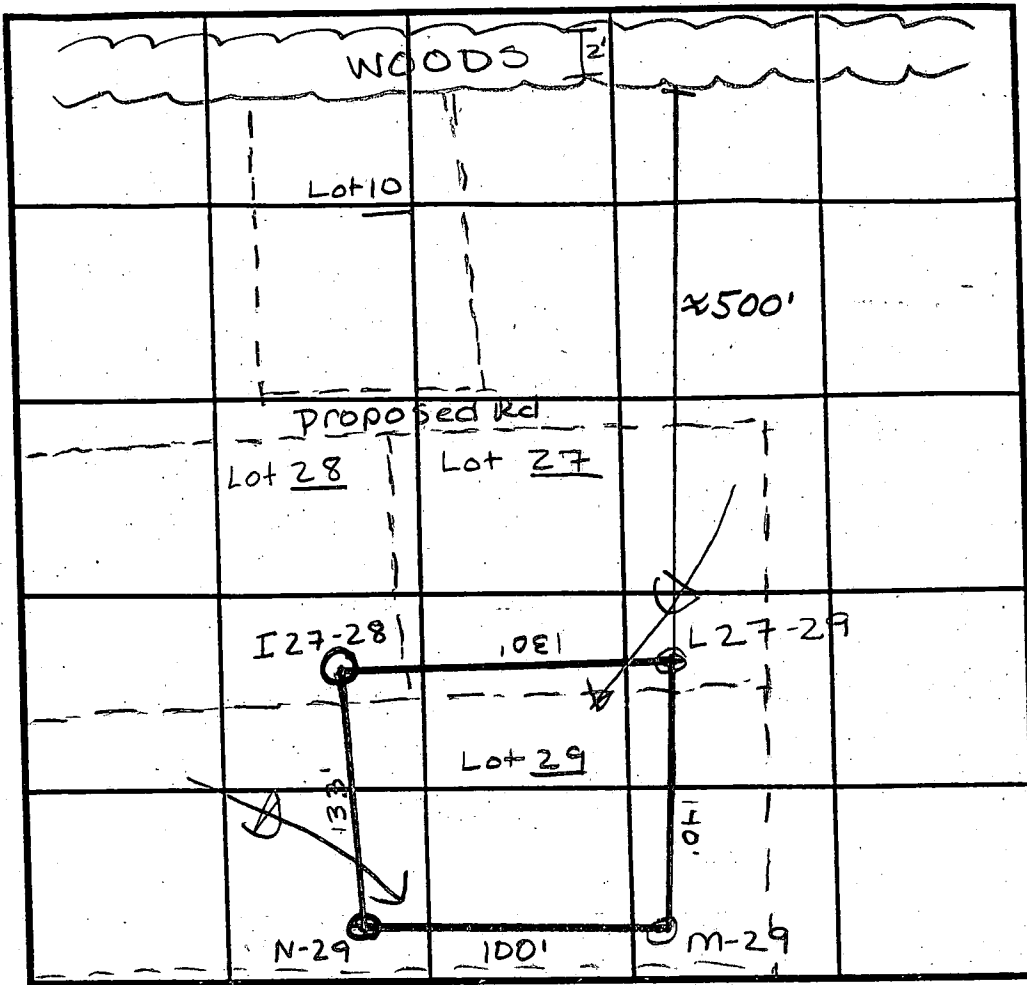
12'

N-29

orange/brn c
 6' red cl >50% rock

SOIL PROFILE I-27-28

0' topsoil
 1' orange/brn c
 3' orange/brn sil
 pockets of >50% shale



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
11/17/93	L 27-29	2' / V12'	1:10	1:16	1:16	1:23	7min
	M-29	4' / V12'	1:24	1:34	1:34	1:48	14min
	N-29	Visual	>50% rock		brags		F
	I-27-28	3' / V12'	12:02	12:04	12:04	12:06 ¹⁵	2 1/4min F
		6 1/2' / V12'	12:57 ⁵⁰	1:00 ³⁰	1:00 ³⁰	1:05 ³⁰	5min

REMARKS

TYPE OF SOIL Glenelg Loam

TESTED BY CRAIG WILLIAMS & AMV McMILEN ALSO PRESENT B. SAUNDERS

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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

B 1 7828	SEQUENCE NO. (DP USE ONLY)	STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL please print or type	STATE PERMIT NUMBER 40-94-0368 <small>70 fill in this form completely 78</small>
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OWNER INFORMATION

Date Received (APA) 020195

206 JOINT VENTURE
15555 UNION CHAPEL
WOODGLEN
TOWN 70 STATE 72 ZIP 21797

LOCATION OF WELL

HOWARD COUNTY
CATTAIL WOODS SUBDIVISION
SECTION 2 LOT 25
LUSKON NEAREST TOWN
MILES FROM TOWN 1 MI

DRILLER INFORMATION

MSD/MGD/MWD 256
Driller's Name: Dana Kyles
Firm Name: Westminster Cotaey Well Drillers
Address: P.O. Box 801, Westminster, MD 21156
Signature: Dana Kyles
Date: 1-31-95

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)

NEAR WHAT ROAD
CATTAIL WOODS LANE
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX): WEST, SOUTH
DISTANCE FROM ROAD: 150 FT

TAX MAP: 7 BLK: PARCEL 137

WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) 5
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 150

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 COUNTY NAME
A # 49645-6 COUNTY NO.
STATE SIGNATURE DATE ISSUED 022495
CO. SIGNATURE EAST EXP. DATE 2/24/96
NORTH GRID 542000 EAST GRID 0781000

APPROXIMATE DEPTH OF WELL 200 FEET
APPROXIMATE DIAMETER OF WELL 6 INCH NEAREST

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER

- City
-
-

WRITE THE BOX NUMBER FROM THE MAP HERE

781
59242

3-11-95 group
11:00
No Insp.

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

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 FEB - 1 6H 1:0J
150 @ well

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

APPROX. PERMIT NUMBER GAP
FORCE DS PERMIT No. 40-94-0368

SPECIAL CONDITIONS
NOTE = APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED =
DRILLER
Vicki 8761911

C1 3555

SEQUENCE NO. (DENV 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)

COUNTY NUMBER A# 49645-G

ST/CO USE ONLY DATE Received

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

03/19/95

03/11/95

22 127 26 (TO NEAREST FOOT)

H0-99-0368

OWNER 206 JOINT VENTURE last name CATTAIL WOODS first name TOWN LISBON SUBDIVISION CATTAIL WOODS SECTION 2 LOT 25

WELL LOG table with columns: DESCRIPTION (Use additional sheets if needed), FEET (FROM, TO), Check if water bearing. Rows include Dirt, Soft Br. Mica, Clay, Hard Blue Schist, Br. Mica, Blue Schist, Fracture, Blue Schist.

GROUTING RECORD: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL CEMENT CM, BENTONITE CLAY BC, NO. OF BAGS 24, NO. OF POUNDS 2256, GALLONS OF WATER 144, DEPTH OF GROUT SEAL 69 ft.

CASING RECORD: casing types insert appropriate code below, MAIN CASING TYPE S, Nominal diameter 6 inch, Total depth 70 feet.

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

SCREEN RECORD: screen type or open hole insert appropriate code below, SCREEN TYPE HO, BRASS BRONZE, PLASTIC PL, OTHER OT.

IN HARD ROCK AREAS, IDENTIFY SPECIFICALLY WHERE SATURATED FRACTURES WERE OBSERVED. WELL HYDROFRACTURED (Y/N).

DEPTH (nearest ft.) table with columns 1-51, rows 1-3. SLOT SIZE 1, 2, 3. DIAMETER OF SCREEN (NEAREST INCH).

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 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT...

DRILLERS IDENT. NO. 256 Dana Kyker Jr II

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

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

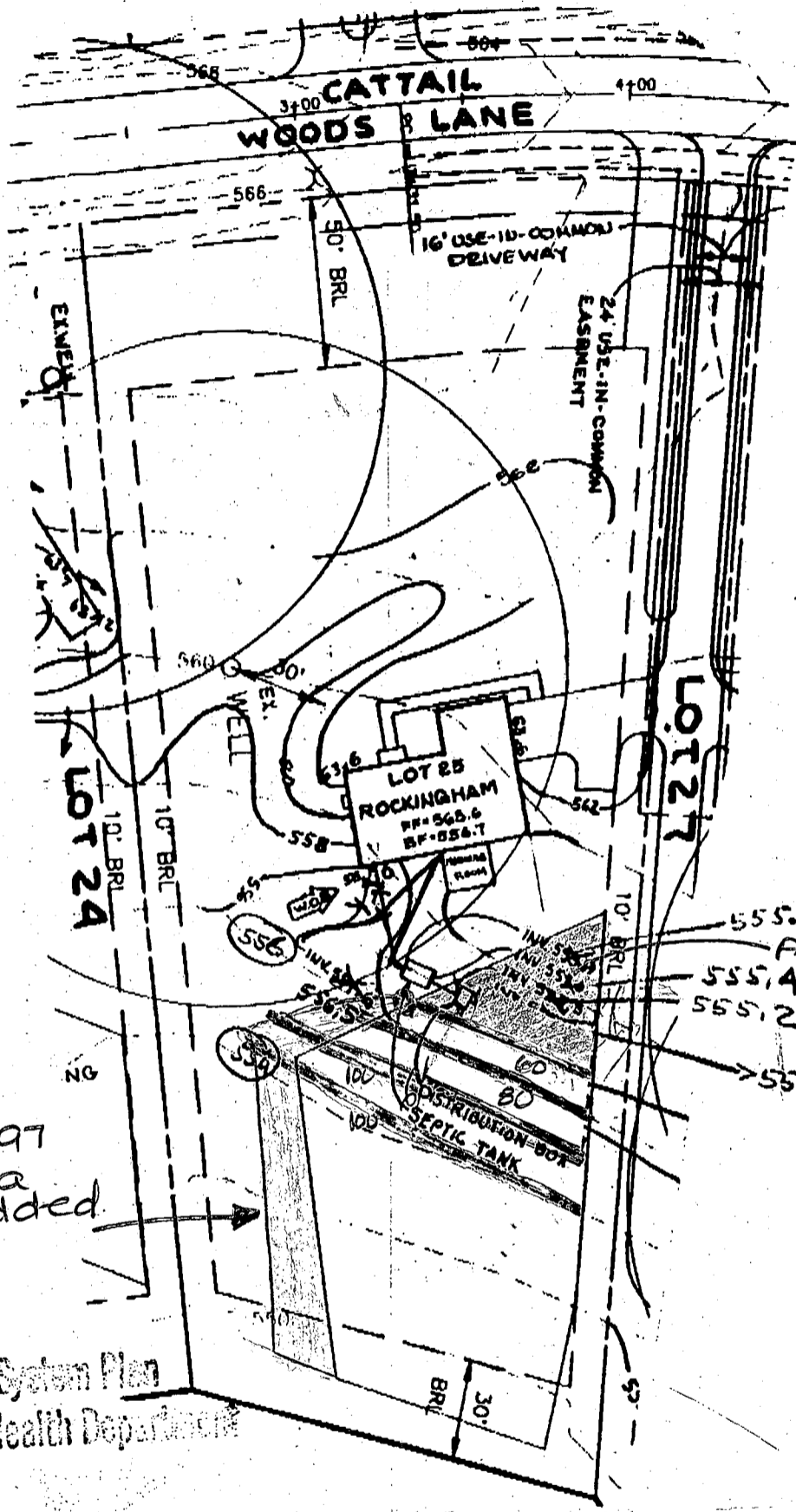
GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.), W Q (74, 75, 76), TELESCOPE CASING, LOG INDICATOR, OTHER DATA

PUMPING TEST: HOURS PUMPED 3, PUMPING RATE 12 gal. per min., METHOD USED TO MEASURE PUMPING RATE submersible, WATER LEVEL 28 ft. BEFORE PUMPING, WHEN PUMPING 29 ft., TYPE OF PUMP USED (for test) S submersible.

PUMP INSTALLED: DRILLER WILL INSTALL PUMP YES NO, TYPE OF PUMP INSTALLED S, CAPACITY: GALLONS PER MINUTE, PUMP HORSE POWER, PUMP COLUMN LENGTH, CASING HEIGHT (circle appropriate box and enter casing height) + above, - below, LAND SURFACE 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). Includes handwritten signature 'Cattail Woods Lane' and 'Dwell'.



Approved Septic System Plan
Howard County Health Department

Randy Kelly 6/20/99
Signature Date

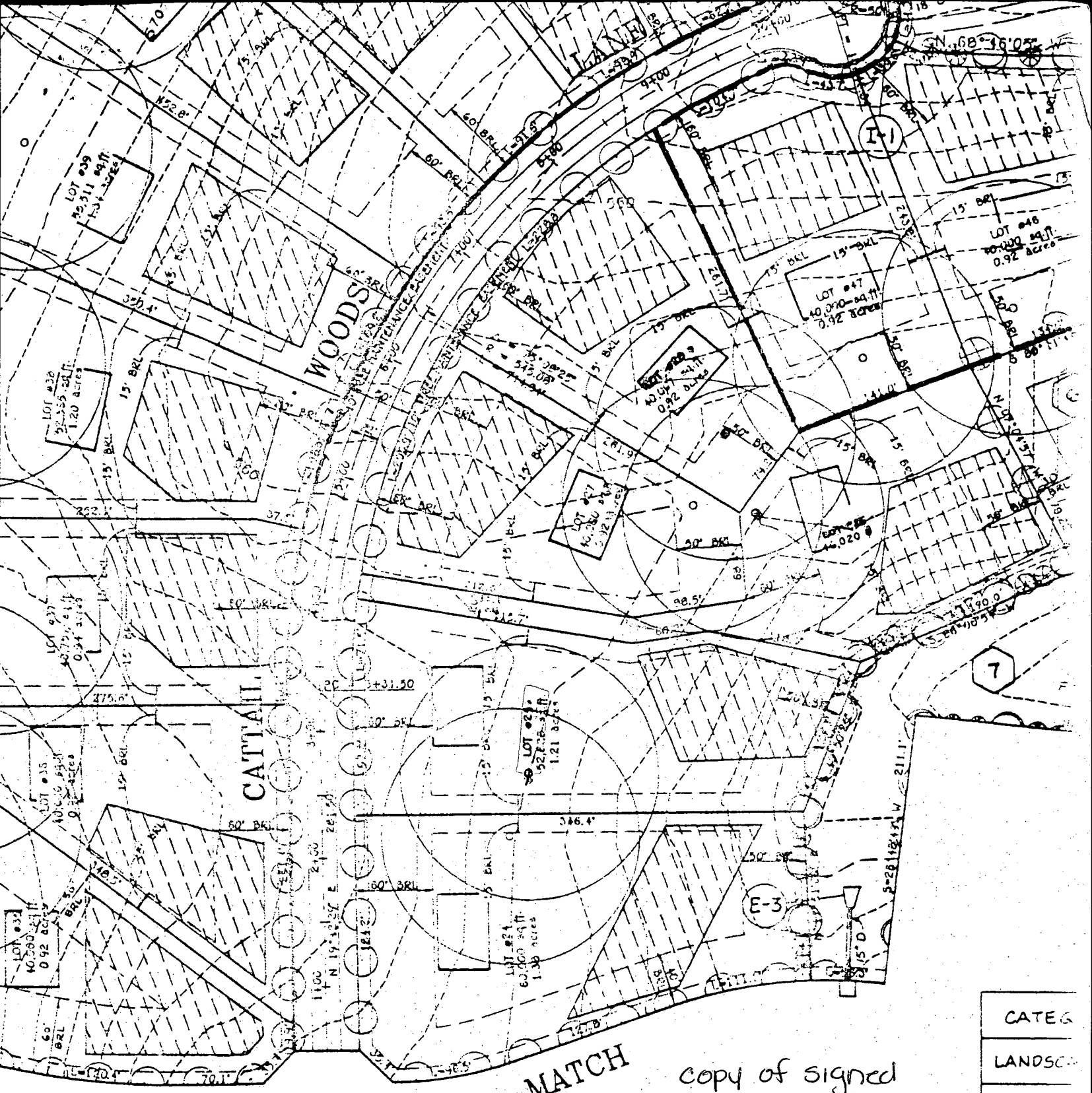
NOTE:
FOR SEDIMENT CONTROL FEATURES SEE APPROVED
GRADING PLAN GP-97-130.

PLOT PLAN
CATTAIL WOODS

LOT 25
SECTION TWO, PARCEL 5

TAX MAP NO.7 PARCEL 137
PLAT NOS. 12500-12502
4TH ELECTION DISTRICT OF HOWARD COUNTY, MARYLAND
SCALE: 1"=50' DATE: JUNE 12, 1997

T S A GROUP INC.
8480 BALTIMORE NATIONAL PIKE, SUITE 418
ELLCOTT CITY, MARYLAND 21043
(410) 465 - 8105



SCHEDULE D
STORMWATER MANAGEMENT AREA LANDSCAPING

LINEAR FEET OF PERIMETER	5 385	7 1,260
NUMBER OF TREES REQUIRED		
SHADE	8	25
EVERGREEN	10	32
CREDIT FOR EX. VEGETATION	NO	NO
CREDIT FOR OTHER LANDSCAPING	NO	NO
NUMBER OF TREES PROVIDED		

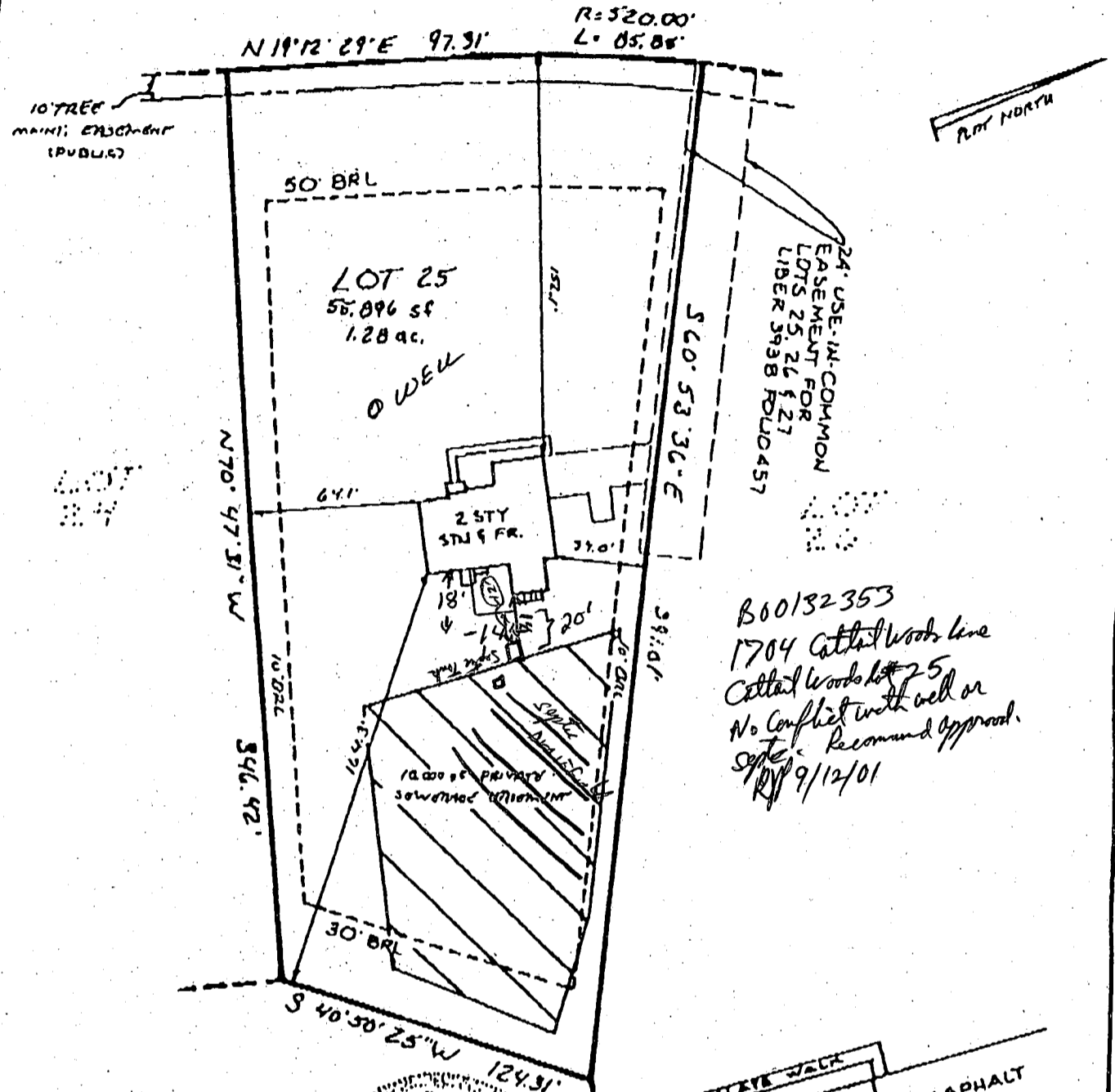
copy of signed
Prelim
9-7-94

CATEG
LANDSCAPING
LINEAR
CREDIT
CREDIT
NO. SHADE
NO. SHADE

Cattail Woods
Lots 25, 26, 27

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 LOT CONFIGURATION AS CURRENTLY RECORDED, BEING SUFFICIENT FOR SETTLEMENT PURPOSES, BUT BEING INSUFFICIENT FOR THE SETTING OF PROPERTY CORNER PINS ON THE GROUND.

CATTAIL WOODS LANE



B00132353
1704 Cattail Woods Lane
Cattail Woods Lot 25
No Conflict with well or Sept. Recommend Approval.
9/12/01

FIRST FLOOR
111' x 565.7'



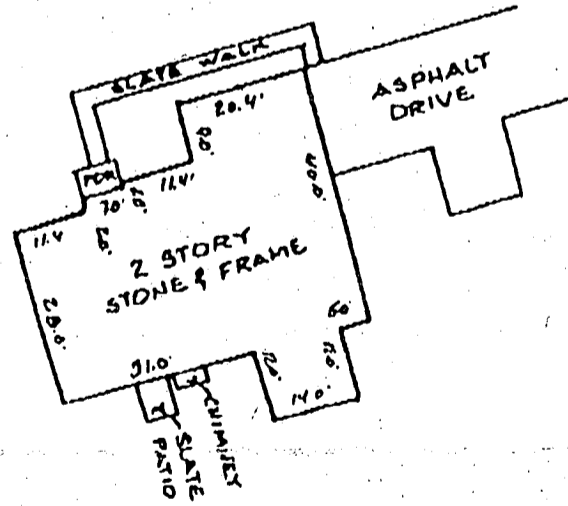
SURVEYOR'S CERTIFICATE

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 I.R.M. IDENTIFIED BELOW, AT THE WRITTEN REQUEST OF THE PURCHASER, NO PROPERTY CORNER MARKERS HAVE BEEN SET

[Signature] 10-13-97
PETER J. DARE
MD. PROPERTY LINE SURVEYOR #224 FINAL

RECORD PLAT No 12501
FEMA FIRM No. 250004 0001 D
DATED 12/14/86

TSA GROUP, INC.
planning • architecture • engineering • surveying
8480 BALTIMORE NATIONAL PIKE SUITE 418
ELICOTT CITY, MARYLAND 21043
(410) 465-6105



LOCATION DRAWING
CATTAIL WOODS
SECTION 2
LOT 25

1704 CATTAIL WOODS LA.

4th ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
SCALE: 1" = 60' DATE: 7/30/97