

C 1 1 9443 (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. On Sep 11/2000

COUNTY
NUMBER A513273

ST/CO USE ONLY

DATE Received
MM DD YY
10/31/2000

DATE WELL COMPLETED

MM DD YY
11/21/00

Depth of Well

22 400 26
(TO NEAREST FOOT)

PERMIT NO.
FROM "PERMIT TO DRILL WELL"
H0-94-2843

OWNER CATTAIL CREEK CTR CLUB

STREET OR RFD WILLOW BIRCH DR

TOWN GLENWOOD

SUBDIVISION CATTAIL CREEK

SECTION

LOT 3

WELL LOG

Not required for driven wells

STATE THE KIND OF FORMATIONS PENETRATED, THEIR
COLOR, DEPTH, THICKNESS AND IF WATER BEARING

DESCRIPTION (Use
additional sheets if needed)

FEET
FROM TO

check
if water
bearing

top soil	0	2	
shale	2	30	
gray mica	30	255	✓
Brown mica	255	260	✓
gray mica	260	330	
Quartz	330	350	✓
gray mica	350	400	

GROUTING RECORD

WELL HAS BEEN GROUTED
(Circle Appropriate Box)

yes no
Y N
44 44

TYPE OF GROUTING MATERIAL (Circle one)

CEMENT CM BENTONITE CLAY BC

NO. OF BAGS 12 NO. OF POUNDS 1200

GALLONS OF WATER 72

DEPTH OF GROUT SEAL (to nearest foot)

from 0 ft. to 38 ft.
(enter 0 if from surface)

CASING RECORD

casing
types
insert
appropriate
code
below

ST CO
STEEL CONCRETE
PL OT
PLASTIC OTHER

MAIN CASING TYPE St
Nominal diameter top (main) casing (nearest inch) 6
Total depth of main casing (nearest foot) 40

OTHER CASING (if used)

Each casing diameter (inch) depth (feet) from to

SCREEN RECORD

screen type or open hole
(insert appropriate code below)

ST BR HO
STEEL BRASS OPEN HOLE
PL PL OT
PLASTIC OTHER

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED yes no
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 MW D 040

DRILLERS SIGNATURE
(MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. 1 MW D 481

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

70 72 74 75 76
TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMPING TEST

HOURS PUMPED (nearest hour) 3

PUMPING RATE (gal. per min.) 5

METHOD USED TO MEASURE PUMPING RATE Bucket

WATER LEVEL (distance from land surface)

BEFORE PUMPING 23 ft.

WHEN PUMPING 175 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 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)

LAND SURFACE 2 (nearest foot)

LOCATION OF WELL ON LOT

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

Well X 120'

Willow Birch Drive

B 1 01465		SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND PERMIT TO DRILL WELL		STATE PERMIT NUMBER 40-94-2843	
1 2 3 6		W514 226 please print or type		fill in this form completely		
Date Received (APA) 9/5/00			OWNER INFORMATION 8387			
8 MM DD YY 13			Cattail Creek Ctr. Club			
15 Last Name			Owner First Name 34			
36 3600 Cattail Creek Drive			Street or RFD 55			
57 Glenwood, Md 21738			Town 70 State 72 Zip 76			
DRILLER INFORMATION						
George F. Easterday M WD 040						
Driller's Name 76 License No. 81						
L. Franklin Easterday, Inc.						
Firm Name						
9265 Brown Church Rd., MT. Airy, Md. 21771						
Address						
Signature Date 8/30/2000						
B 2 WELL INFORMATION						
1 2 APPROX. PUMPING RATE 5						
(GAL. PER MIN.) 8 12						
AVERAGE DAILY QUANTITY NEEDED 500						
(GAL. PER DAY) 14 20						
USE FOR WATER (CIRCLE APPROPRIATE BOX)						
<input checked="" type="checkbox"/> DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION						
<input type="checkbox"/> FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)						
<input checked="" type="checkbox"/> INDUSTRIAL, COMMERCIAL, DEWATERING, IRRIGATION						
<input type="checkbox"/> PUBLIC WATER SUPPLY WELL						
<input type="checkbox"/> TEST, OBSERVATION, MONITORING						
<input type="checkbox"/> GEO-THERMAL						
NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL						
Howard Co A513273						
COUNTY NAME COUNTY NO.						
STATE SIGNATURE INSERT S						
DATE ISSUED 9/5/00						
43 MM DD YY 48 CO SIGNATURE EXP. DATE 9/5/01						
NORTH GRID 520 000 EAST GRID 780 000						
50 55 57 63						
APPROXIMATE DEPTH OF WELL 300 FEET						
24 28						
APPROXIMATE DIAMETER OF WELL 6 INCH						
NEAREST						
METHOD OF DRILLING (circle one)						
BORED (or Augered) JETTED Jetted & DRIVEN						
30 AIR-ROTary AIR-PERCussion ROTARY (Hydraulic Rotary)						
37 CABLE REVERSE-ROTary Drive-POINT						
other						
REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)						
<input checked="" type="checkbox"/> THIS WELL WILL NOT REPLACE AN EXISTING WELL						
<input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED						
<input checked="" type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS						
<input type="checkbox"/> THIS WELL WILL DEEPEMED AN EXISTING WELL						
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 52						
Not to be filled in by driller (MDE OR COUNTY USE ONLY)						
APPROX. PERMIT NUMBER 54 G A P 63						
PERMIT No. 40-94-2843						
70 71 72 73 74 75 76 77 78 79						
SPECIAL CONDITIONS						
NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED						

LOCATION OF WELL CC#

8 COUNTY 21

Cattail Creek

23 SUBDIVISION 42

SECTION 44 46 LOT 3 48 50

Glenwood

52 NEAREST TOWN 71

MILES FROM TOWN (enter 0 if in town) 1 M I 73 76 77 78

11 Willow Birch Drive 30

NEAR WHAT ROAD

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

NORTH

WEST EAST

SOUTH

34 200 37

DISTANCE FROM ROAD

ENTER FT OR MI 38 39

TAX MAP: BLK: PARCEL

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER

1.

2. wells

3.

WRITE THE BOX NUMBER FROM THE MAP HERE

E 780

N 520

000 000

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

WILLOW BIRCH

8K9

5000 2500 1500 1000 500

CATTAIL Creek

Glenwood

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
WATER AND SEWERAGE PROGRAM
TEL: (410)313-2640 FAX: (410)313-2648

Information Form for the Installation of the Well Pump, Pitless Adapter, and Supply Piping

NOTE: The installer is responsible for requesting an inspection prior to 9 am on the day of the desired inspection. No work is to be covered until approved by the Health Department. All installations must comply with the National Standard Plumbing Code (NSPC, as amended locally) and COMAR 26.04.04 (MD Well Construction Regulations). Submission of a complete form is required prior to Use and Occupancy approval.

Company Name: Carroll Water Systems Telephone #: 410-876-5100
Address: 127 Arleann Ct. Suite 9
Westminster, MD 21157

(Must circle one) Licensed Plumber Licensed Well Driller **Licensed Well Pump Installer**
License # and name of individual responsible for the field installation:

Name (Print): Ronald W. Smith License #: P10074
*A licensed individual must perform the actual installation. Apprentices must be under the direct supervision of a licensed journeyman or master plumber, pump installer or well driller. Licenses may be subjected to field verification.

Name of Property Owner: GVC Builders Telephone #: _____
Subdivision: _____ Lot #: _____ Well Tag #: HO-94-2843
Site Address: 31012 Willow Birch Dr.
Glenwood, MD 21738

Submersible Pump Data

Make: Goulds
Model #: 55805402
Pump Capacity: 5 GPM
Well Yield: 7 GPM

Pitless Adapter

Make: Campbell
Model #: Blox
Depth: 42 (36" min)
NSF approved: YES

Well Cap and Electric Conduit

Two piece watertight cap: YES
Screened, vented well cap: YES
Cap secured to casing: YES
Conduit min 18" B.G.: 24"
Conduit secured to well cap: YES

Depth of well encountered at time of pump installation: _____ (feet)
If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4
Torque arrestors or Cable guards are required - Must circle one
Safety rope, if used, attached to inside of well casing with eye bolt NO

Piping to house

Type: Plastic
PSI: 1/2" (160 psi min)
Depth of supply line: _____ (36" min)

House Connection

PVC sleeved to undisturbed soil at wall penetration: YES
Approximate length of sleeve: 2'
Sleeve caulked and sealed properly: YES

The water supply line is required to be at least ten feet from the septic tank, pump chamber, sewage piping, distribution box, drainfields, and sewage reserve area. If this cannot be accomplished, contact this office for approval prior to installation.

Signature of company representative responsible for installation

date 10/12/01

For Health Department Use Only - Not to be completed by Installer

Date Insp. Requested: 10/9/01

Date Insp. Approved: 10/9/01 SO SRK

Inspection Data: Pitless adapter and water supply line at least 36" below grade

Two piece cap installed and attached to casing securely	<input checked="" type="checkbox"/>
Elec. conduit extends at least 18" below grade/attached to cap properly	<input checked="" type="checkbox"/>
Safety rope installed inside of well casing	<input checked="" type="checkbox"/>
Correct well tag attached properly and casing 8" above finished grade	<input checked="" type="checkbox"/>
Water supply line sleeved adequately at house connection	<input checked="" type="checkbox"/>
Adequate grout observed below pitless adapter	<input checked="" type="checkbox"/>

9/27/00
12:30

production well for house

Review 10/31/00 OK (BB)

Tested By Dickie

Р. А. У. 910. 00. 1. 1.

9/8/00
well site
OK here
A

9/13/00
OK to drill in
this area
300 A



410-489-7900

for 30
HO-94-2843
will be for
domestic use for
Lot 3 Cattail
Creek.

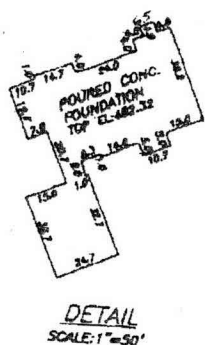
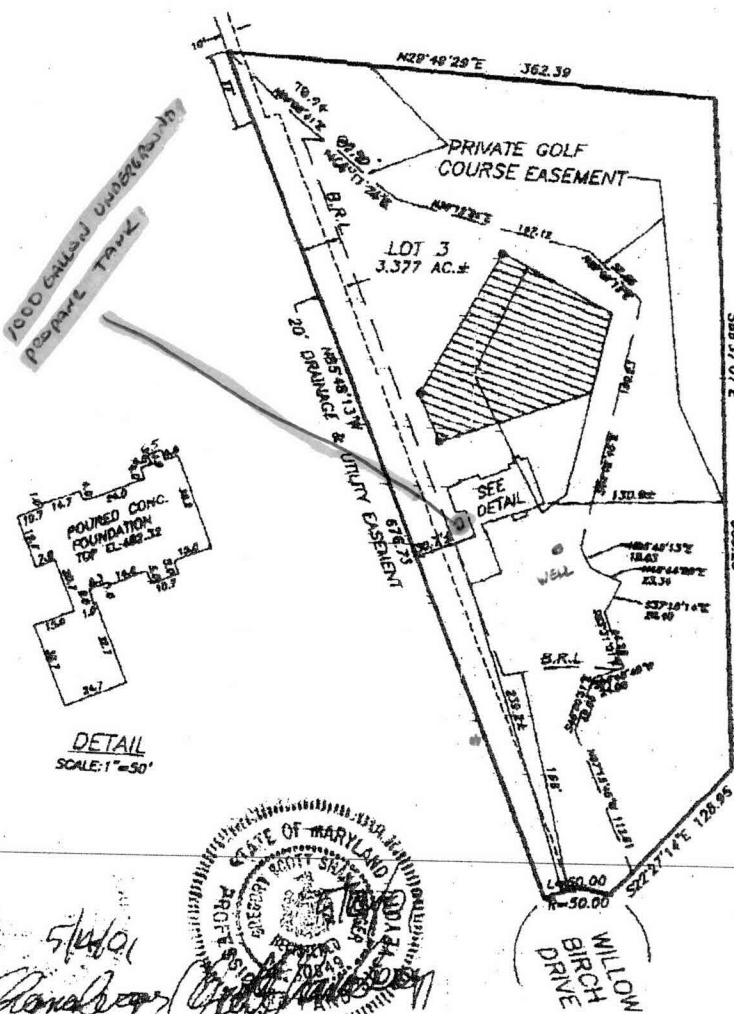
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NOTES:

1. THIS PLAT IS OF BENEFIT TO A CONSUMER ONLY INsofar AS IT IS REQUIRED BY A LENDER OR TITLE INSURANCE COMPANY OR ITS AGENT IN CONNECTION WITH CONTEMPLATED TRANSFER, FINANCING, OR REFINANCING.
2. THIS PLAT IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OF LOCATION OF FENCES, GARAGES, BUILDINGS, POOLS, BUILDING ADDITIONS OR OTHER EXISTING OR FUTURE IMPROVEMENTS.
3. THIS PLAT DOES NOT PROVIDE FOR THE ACCURATE IDENTIFICATION OF PROPERTY BOUNDARY LINES, BUT SUCH IDENTIFICATION MAY NOT BE REQUIRED FOR THE TRANSFER OF TITLE OR SECURING FINANCING OR REFINANCING.
4. ACCURACY OF BUILDING MEASUREMENTS: 0.1'
5. ACCURACY OF SETBACK DIMENSIONS: 0.5'
6. ACCURACY OF ELEVATIONS: 0.1'
7.  PRIVATE SEWAGE ESMT. PER PLAT #10507
 PRIVATE SEWAGE ESMT. PER SITE PLAN

THE PROPERTY SHOWN HEREON LIES IN ZONE C AS SHOWN ON FLOOD INSURANCE RATE MAP NO: 24004-4 0020 B DATED: DECEMBER 4, 1986



800 132423

5/4/01
[Signature]



I HEREBY CERTIFY THAT I HAVE LOCATED THE IMPROVEMENTS AS SHOWN. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY AND CANNOT BE USED TO ESTABLISH PROPERTY LINES OR CORNERS.

[Signature] 5/4/01
SHANBERGER & LANE
8726 TOWN & COUNTRY BLVD.
SUITE 201
ELLICOTT CITY, MD. 21043
PHONE: 410-481-9883
FAX: 410-481-9883

FOUNDATION LOCATION DRAWING
LOT 3, SEC 2.
"CATTAIL CREEK COUNTRY CLUB"
LOTS 1-5"
SHEET 5 OF 6 PLAT #10507
ELECTION DISTRICT: FOURTH
DEED REFERENCE: 5266/480
COUNTY: HOWARD
SCALE: 1"= 100'
DATE: MAY 12, 2001
DATE OF LATEST FIELD WORK: MAY 9, 2001

LIBER 5266 FOLIO 0477

EXHIBIT "A"

September 29, 2000

DO. NOT
DISCARD

DESCRIPTION OF A
PRIVATE, TEN (10) FOOT WIDE
WELL EASEMENT
ACROSS AND WITHIN
LOT 3
"CATTAIL CREEK COUNTRY CLUB"
FOURTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

BEING a parcel or strip, ten (10) feet wide, situate and lying in the Fourth Election District of Howard County, Maryland; and being also within, through, over and across part of Lot 3, as shown on Sheet 5 of 6 of the subdivision plats entitled "Cattail Creek Country Club, Section 2, Lots 1 - 5" and recorded among the Land Records of Howard County, Maryland as Plat No. 10507; said ten (10) foot wide parcel or strip being more particularly described in the Maryland State Coordinate System NAD'27 Datum, as follows:

BEGINNING FOR THE SAME at a point at the beginning of the South 83°31'01" East 44.28 foot line on the southerly outline of a Private Golf Course Easement across and within Lot 3, as shown on the abovesaid Plat No. 10507; thence binding along part of said Private Golf Course Easement outline,

- 1) South 83°31'01" East 14.01 feet to a point thereon; thence leaving said Private Golf Course Easement, and running within said Lot 3, for the following three (3) new lines of easement:
- 2) South 50°56'27" West 38.72 feet,
- 3) North 39°03'33" West 10.00 feet, and
- 4) North 50°56'27" East 28.91 feet to the point of beginning; containing 338 square feet or 0.008 of an acre, more or less.

SEE PLAT attached hereto.

ISHER,
OLLINS

ARTER,
IC.

IL ENGINEERING CONSULTANTS
LAND SURVEYORS
72 Baltimore National Pike
Glen City, Maryland 21042
(410) 481-2883
(410) 750-3784



Prepared By TS
Checked By TAF
WO #61572

000167

SECOND AMENDMENT TO DECLARATION OF EASEMENT

THIS SECOND AMENDMENT TO DECLARATION OF EASEMENT, made as of the 25th day of October, 2000, by CATTAIL CREEK COUNTRY CLUB, INC., (hereinafter referred to as the "Declarant").

WHEREAS, the Declarant entered into a Declaration of Easement, dated the 9th day of November, 1992, as recorded among the Land Records of Howard County, Maryland, in Liber 2687, folio 478, to specify the terms and conditions of the rights and uses of the Declarant, its successors and assigns, to the golf course easements as to Lots 1, 2 and 3 of the property shown and described on the Final Record Plats entitled "Cattail Creek Country Club, Section 2, Lots 1 - 5, as recorded among the Plat Book Records of Howard County, Maryland, as Plat Nos. 10503 through 10508 (the "Golf Course Easement"); and

50
2010
WHEREAS, the Declarant entered into a certain Amendment to the Golf Course Easement dated June 25, 1996, and recorded among the Land Records of Howard County, Maryland in Liber 3759, folio 168, *et seq.*, as to Lot 3 ("Lot 3"); and

WHEREAS, the Declarant is further amending the Declaration of Easement so as to provide for the right of the Declarant, its successors and assigns, to utilize the well, hereinafter described and recently installed on Lot 3, in accordance with the terms and provisions of this Second Amendment to Declaration of Easement.

NOW, THEREFORE, THIS SECOND AMENDMENT TO DECLARATION OF EASEMENT, WITNESSETH:

1. Declarant does hereby grant to itself, its successors and assigns, a private easement on the area shown on Exhibit A, attached hereto and intended to be a part hereof, to use and maintain

for the well installed on Lot 3 in behalf of the Declarant, for water and irrigation purposes for its golf course and country club related purposes, as part of its golf course easement, subject to the terms and provisions of this Amendment to the Deed of Easement. In the event that the second well, not covered by this Amendment, installed on Lot 3 and to be utilized by any grantee thereon as a potable water source for consumptive purposes for a residence to be constructed on Lot 3 fails, then the Declarant, at its cost and expense, and the election of Declarant as to one of the below alternatives, shall provide either (a) another well to be installed on Lot 3 at the Declarant's cost, for the owner of Lot 3, in accordance with the requirements of the Department of Environmental Health, or (b) make available the well covered by this Amendment, to be used concurrently for the use by the owner(s) of Lot 3 with the Declarant, its successors or assigns, or (c) release and remove this Amended Deed of Easement for the well shown and described in Exhibit A, without regard to the current performance of such well. Under all circumstances, the Declarant shall provide, at its sole cost, potable water for the residential owner(s) of Lot 3, and in this regard, any well provided by the Declarant to the owner(s) of Lot 3 shall be guaranteed to have a pumping rate of at least five (5) gallons per minute.

2. The Declarant shall be entitled to all reasonable access to connect and maintain the well to its irrigation lines running within the adjacent golf course within the area shown on Exhibit A, however, the Declarant hereby agrees to indemnify and save harmless the owner(s) of Lot 3 against all liability, costs, claims and damages, including but not limited to reasonable attorneys' fees, suffered or arising out of or caused by an act or omission of the Declarant, and its employees, contractors, subcontractors, agents or invitees in the course of its activities in and on this well easement.

3. All other terms and provisions of the Declaration of Easement dated November 9, 1992, as recorded among the Land Records of Howard County, Maryland in Liber 2687, folio 478, and its Amendment, dated June 25, 1996, as recorded among the Land Records of Howard County, Maryland in Liber 3759, folio 168, *et seq.*, not inconsistent herewith, are hereby readopted and reaffirmed.

4. All rights, easements and interest created pursuant to this Second Amendment to Declaration of Easement shall be binding upon the Declarant, and its respective successors and assigns, and shall be deemed to run and bind with the said Lot 3.

WITNESS the hand and seal of the party hereto, the day and year first above written.

Witness
ATTEST:

\ CATTAIL CREEK COUNTRY CLUB, INC.

Barbara C. Thomas
Secretary

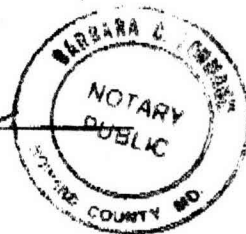
By: *[Signature]* (SEAL)
John J. Stammerro, President

STATE OF MARYLAND, COUNTY OF HOWARD, to wit:

I HEREBY CERTIFY THAT on this 25th day of October, 2000, before me, the subscriber, a Notary Public in and for the State and County aforesaid, personally appeared John J. Stammerro, the President of Cattail Creek Country Club, Inc., and he, being authorized to do so, acknowledged that he executed the foregoing Second Amendment to Declaration of Easement for the purposes therein contained, in behalf of said corporation.

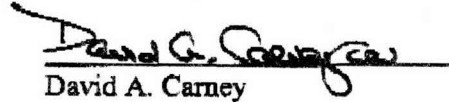
AS WITNESS, my hand and Notarial Seal.

Barbara C. Thomas
NOTARY PUBLIC



My Commission Expires:
10-01-01

Pursuant to the provisions of the Real Property Article of the Annotated Code of Maryland, this is to certify that the within instrument was prepared under the supervision of the undersigned, an attorney at law duly admitted to practice and in good standing with the Court of Appeals of Maryland.


David A. Carney

JAUSERS\BCL\WPDATA\CATTAIL.AMD

RETURN TO:
LAKESIDE TITLE CO.
10840 LITTLE PATUXENT PKWY
SUITE 402
COLUMBIA, MD 21044

9/18/00

HO-94-2728 Currently domestic use - they want to convert use to commercial
GWAP needed to do this

HO-94-2843 D. Schwartzbaugh changing paperwork at MDE to show domestic well.

A. McMill