

# PERMIT

## SEWAGE DISPOSAL SYSTEM

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 50306CA 48092

DISTRICT \_\_\_\_\_

DATE 9/29/94DATE SYSTEM APPROVED 2/3/95INSPECTOR (CW)

#### HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~XXXXXXXX~~ 313-2640

INDEXED

South Carroll Backhoe, Inc.

IS PERMITTED TO INSTALL X ALTER \_\_\_\_\_ADDRESS 4410 Salem Bottom Road, Westminster, Maryland 21157 PHONE 875-4197SUBDIVISION Cattail Creek, Sec. II LOT 7 ROAD 3606 Willow Birch DrivePROPERTY OWNER Goodier Builders, Inc.Dr. & Mrs. Ralph E. Updike

ADDRESS \_\_\_\_\_

SEPTIC TANK CAPACITY 1250 GALLONSNUMBER OF BEDROOMS 4210 SQUARE FEET PER BEDROOMLINEAR FEET OF TRENCH REQUIRED 280

\*\*\* PRIOR TO BUILDING PERMIT ISSUANCES, SEPTIC SYSTEM TO BE INSTALLED IN LOWEST PART OF SEPTIC AREA DUE TO GOLF COURSE INTRUSION.

\*\*\* ALL TRENCH EXCAVATION TO BE PERFORMED WHILE HEALTH DEPARTMENT SANITARIAN IS ON-SITE.

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

LOCATION - Start the LAST TRENCH 270 feet from the front lot line and 10 feet from the right lot line. Run trenches along contour toward left side of lot. (Upper trench should start approximately 240 feet from front 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/CW

PLANS APPROVED BY C. Williams DATE 09/27/94

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

\*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEM.

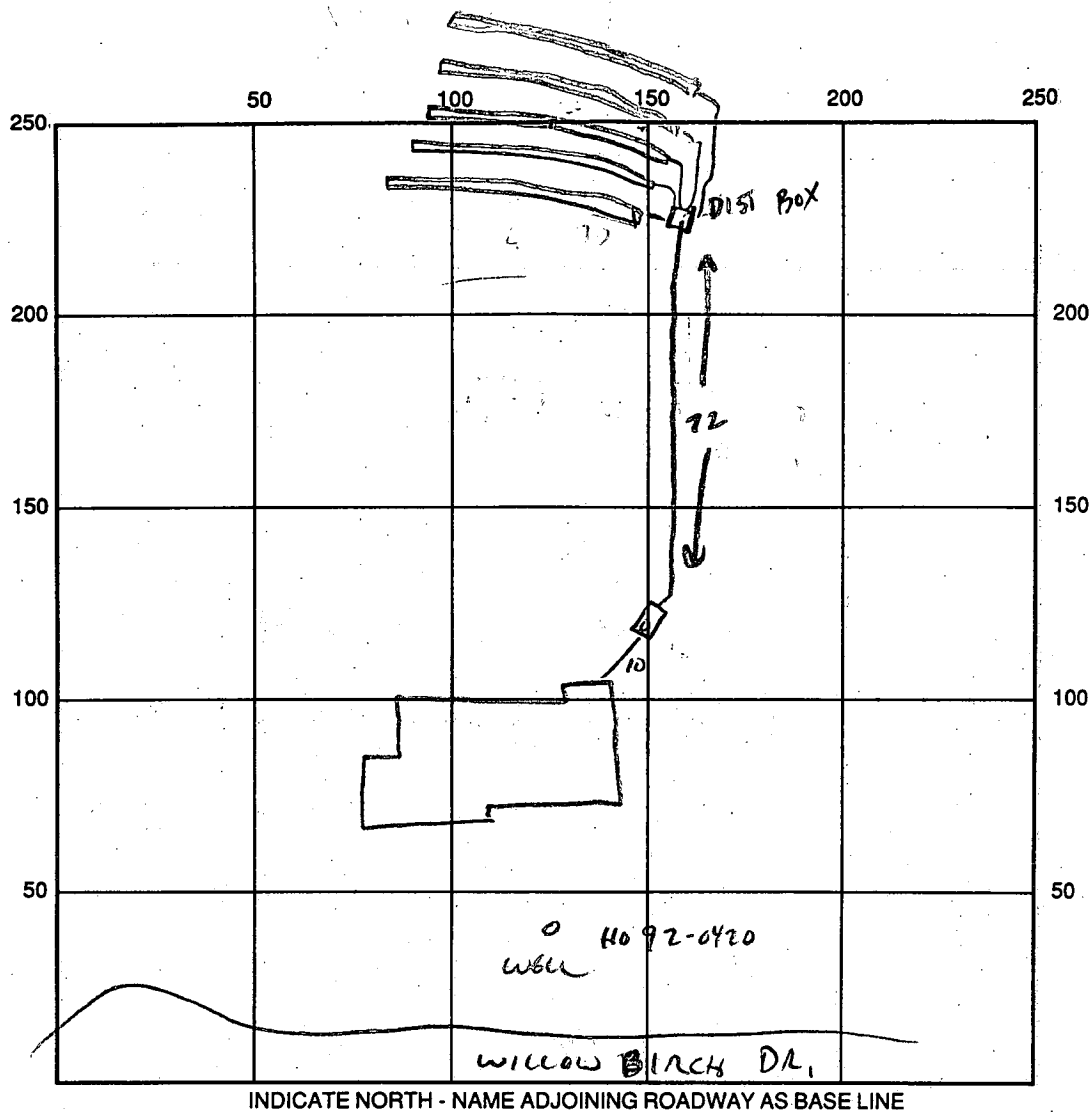
OLDG. PERMIT SIGNED

AND RETURNED 3/14/95Serial # 58375

Bury propane tank

A

48092



SEPTIC TANK LEVEL ☒ 1500 G TOP 561M CLEANOUTS ☒ ST.

DISTRIBUTION BOX LEVEL ☒

DRAIN FIELD/TITLE DEPTH 6-10 FT. TRENCH WIDTH 3 FT. INLET DEPTH 4-8 FT.  
(Below FINISH GRADE = 6' Below ORIGINAL GRADE)  
EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH 280 FT.

NUMBER OF TRENCHES 4 (a) 70' ~~ONE SIDEWALL~~ BOTTOM AREA 1120 SQ. FT.

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

ABSORBENT AREA — SQ. FT.

REMARKS: TRENCHES & TANK INSTALLED (CW)

HOUSE CONNECTION VERIFIED BY CONTRACTOR, NOT INSPECTED 2/3/95 (CW)  
TRENCHES ARE INSTALLED AT LOW END OF SEWAGE EASTERN, UNDER  
GOLF COURSE BERM. FUTURE TRENCHES TO BE ON HIGHER GROUND - NOW DIST BOX REQ'D.

DATE SYSTEM APPROVED 2/3/95 INSPECTOR CW

5-21-92  
10:00 am

# APPLICATION

PERCOLATION TESTING

A 48092

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 461-9933

DISTRICT \_\_\_\_\_

DATE 5/11/92

5-11-92  
Proposed 11 acre  
cluster zoning, ok to  
test. Additional application  
required for retest of old  
A 43720 as shown. 200 ft  
buffer to streams, ponds etc. JEN

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

I, HEREBY, APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Cattail Creek Country Club

ADDRESS 10805 Hickory Ridge Rd PHONE \_\_\_\_\_

PROSPECTIVE BUYER NA

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

PROPERTY LOCATION:

SUBDIVISION Cattail Creek LOT NO. 867

ROAD AND DESCRIPTION Route 97

TAX MAP 21 PARCEL # 211

SIZE OF LOT 1 acre TYPE BLDG SF  
(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 \_\_\_\_\_

REJECTED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

HOLD PENDING FURTHER TESTS \_\_\_\_\_ DATE \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING

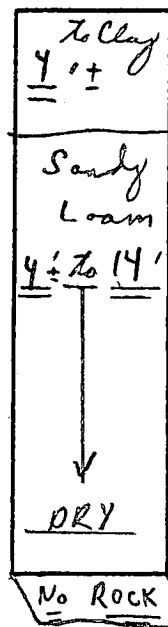
(✓ water well sites closely) Recommend (SYSTEM FIRST)  
as to percolation C.B.S. (area) (may be cut)  
(shallow shelf dry 10" on all lots)

## THIS IS NOT A PERMIT

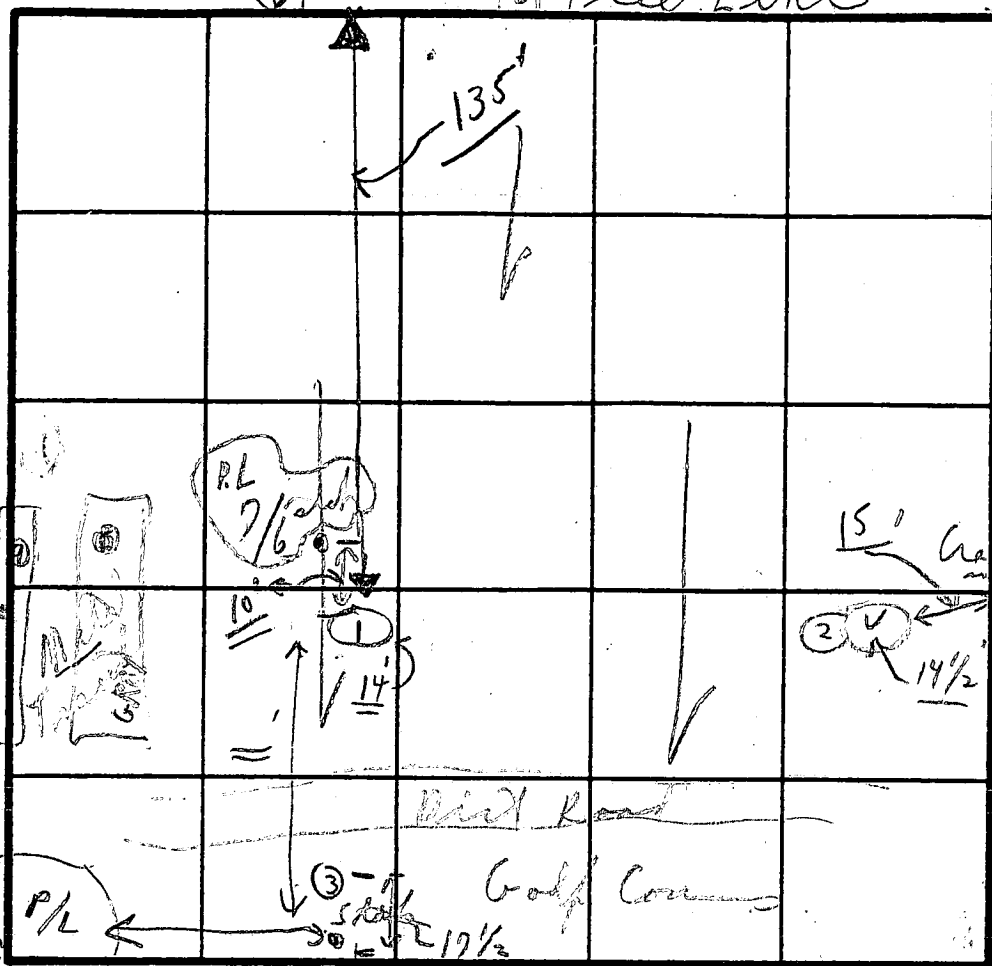
P# 48092

LOT # 6  
(all holes)

SOIL PROFILE



6 Fence 1/2 Tree Line



Sand Trap

Gravel to Poles  
Stakes  
Corner  
Pace  
LOT # 6

Right in line of stake

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1' DROP		TIME
			START	STOP	START	STOP	
5/21	1	4' 10" H	12:06	12:10	12:10	12:14	4 min
		14'	Sandy Loam 4 1/2' to 14'				dry
	1/2	14'					
	3	4'	12:40	12:42	12:42	12:45	3 min
		13'					
		4'	12:46	12:48	12:48	12:50	2 min
	4	13'	Sandy Loam 3 1/2' to 13'				(Dry)

(LOT # 6 - Farthest from R# 92)

REMARKS 5/21 Tests in open near GOLF COURSE + stake

TYPE OF SOIL Sandy loam below clay

TESTED BY C. B. ALSO PRESENT S. Mr. Oland Ketham

(Tests on a knoll) Heavy trucks - Tests drilled left side of property - 4' or less shelves only

Chenwood ← R# 92 → Olney

# APPLICATION

PERCOLATION TESTING

A 48092

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 313-2640

DISTRICT \_\_\_\_\_

DATE \_\_\_\_\_

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 GOODIER BUILDERS

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

AGENT OR PROSPECTIVE BUYER \_\_\_\_\_

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

PROPERTY LOCATION:

SUBDIVISION CATTAIL CREEK SECT II LOT NO. 7

ROAD AND DESCRIPTION WILLOW BARCH DRIVE

TAX MAP \_\_\_\_\_ PARCEL # \_\_\_\_\_

SIZE OF LOT \_\_\_\_\_ 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 C. Williams FOR TRENCHES DATE 9/27/94

DISAPPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

HOLD PENDING FURTHER TESTS \*TRENCH INSTALLATION TO BEGIN IN LOWEST PORTION OF SEPTIC AREA;  
WILL NEED TO WORK UNDER GOLF COURSE BERM

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'


SOIL PROFILE

0'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

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

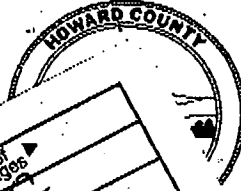
REMARKS \_\_\_\_\_

TYPE OF SOIL \_\_\_\_\_

TESTED BY \_\_\_\_\_ ALSO PRESENT \_\_\_\_\_

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_

INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT/BEDROOM \_\_\_\_\_



Post-It® Fax Note		7671	Date	From	To	# of pages
To	Co./Dept.	Phone #	Co.	Phone #	Fax #	

DEPARTMENT

County Health Officer

September 12, 1994

ME

TO: Bob Goodier

From: Craig Williams, Program Director (CW)  
Water and Sewerage Program

RE: Cattail Creek County Club  
Section ii - Lots 7-8-9

On September 7, 1994, we met to consider potential modifications to the recorded sewage disposal easements on each of the above referenced properties. Adjustments were requested in order to accommodate desired house placements on the lots. Because of complications resulting from the incursion of the golf course on portions of each easement, it was agreed that a trial installation of the septic system on each lot would be the most efficient course of action.

To that end, please submit a septic system permit request for each lot. The request should include trench plans to the appropriate length, with the trenches starting at the lowest point, rather than the highest point, of each proposed modified sewage easement. Upon approval, the intent will be to begin installation with the lowest trench first. Depth of installation and amount of regrading to be determined as installation progresses. In that manner, we will have tackled the more difficult aspects of the installation in the initial construction phase, leaving future repairs to portions of the sewage easement not impacted by the golf course.

CW:jr

cc: Joey Ecker  
Dave Carney  
File

TRENCHES IN FALL 95  
CONNECTION COMPLETE, SYSTEM APPROVED  
2/3/95 (CW)

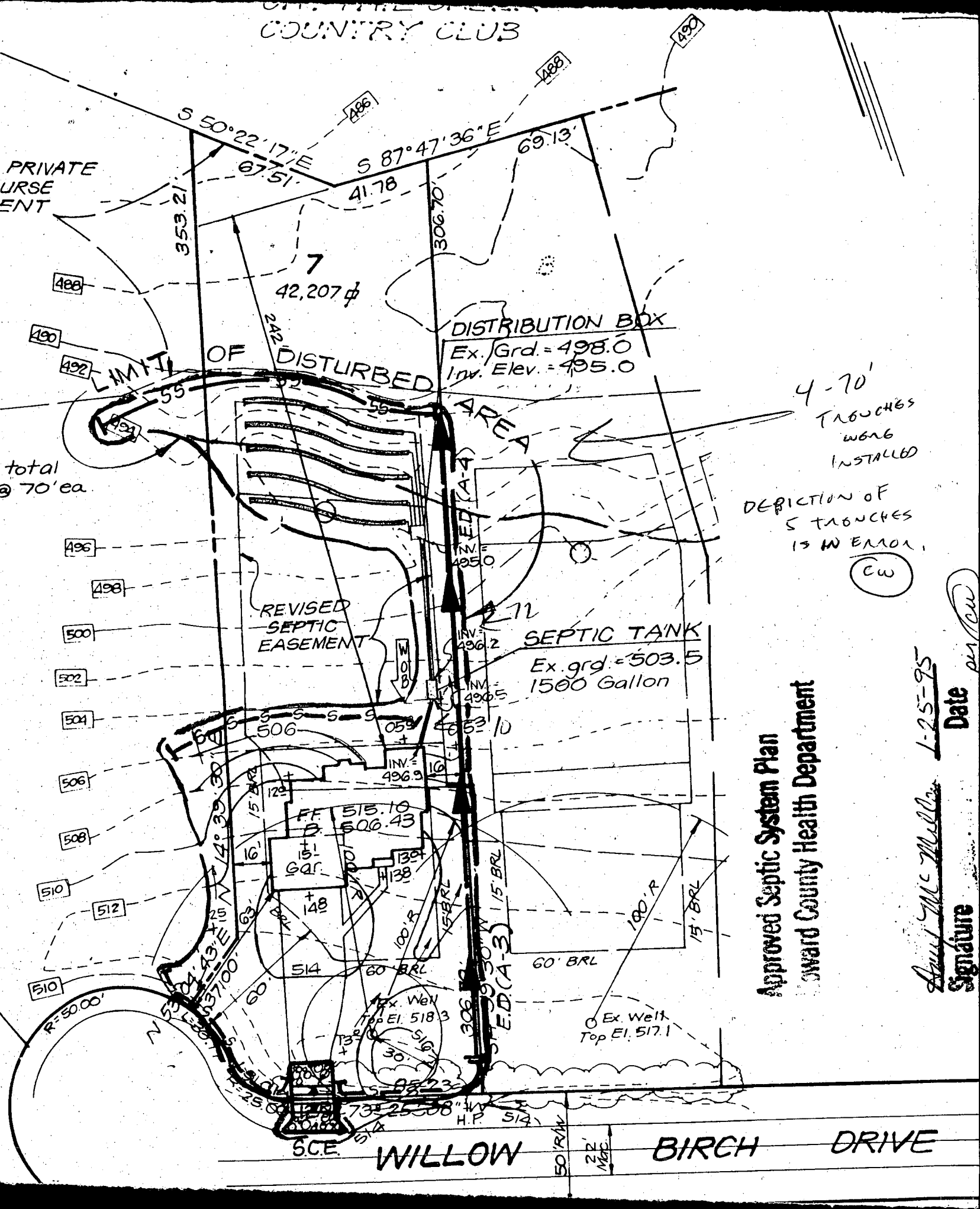
Sequence of Cattail septic revision:

- 1 Joey Ecker to take plan given by Craig Williams to Bob on Wednesday 9/7. To locate on an SDP four corners each for lots 7, 8, & 9 per that plan. Plan to show each has minimum 10,000 square feet of septic area. Note on plan 350' trench for 5BR home and 280' trench for 4BR home.
- 2 Joey Ecker to have surveyors stake the four corners of each lots proposed new area. To also stake for new perc tests at the center point between the two rear-most stakes on each of the three lots.
- 3 Revised plan to be submitted to Craig Williams.
- 4 We schedule South Carroll Backhoe to meet with Craig Williams on site and dig new perc holes for test at perc locations staked. (Or do we actually test 25' below line?) *They Drill Permit*
- 5 Once approved, we install the lowermost fields on each lot rather than starting at the top of the hill which would be normal.



COUNTRY CLUB

PRIVATE  
URSE  
ENT



4-70'  
TRENCHES  
W6N6  
INSTALLED

DEPICTION OF  
5 TRENCHES  
IS IN ERROR.

CW

Approved Septic System Plan  
Howard County Health Department

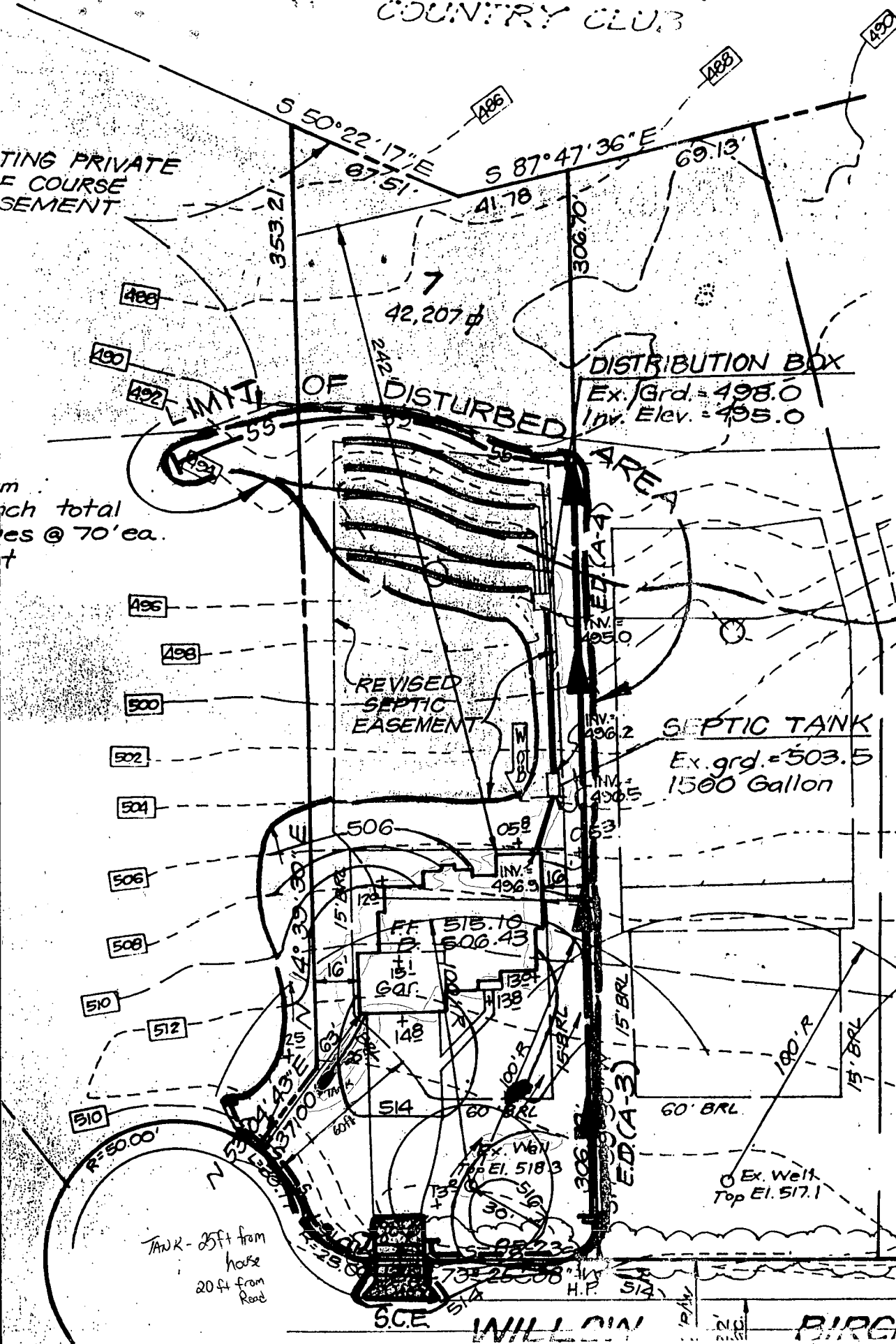
Signature Ann McMillan Date 1-25-95

WILLOW BIRCH DRIVE

# PARCEL 3 CATTAIL CREEK COUNTRY CLUB

TING PRIVATE  
E COURSE  
SEMENT

m  
ach total  
es @ 70' ea.  
t

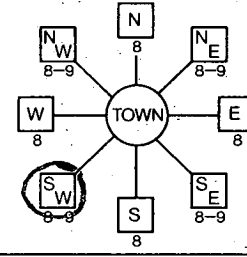
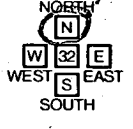
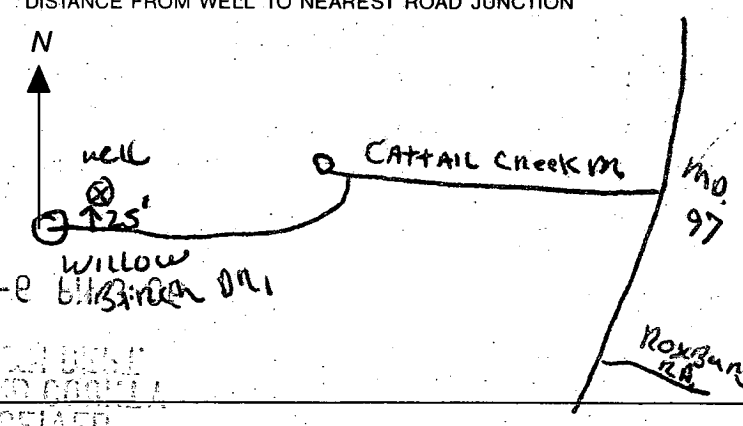


For 3/14/95  
Bldg Permit  
58375  
CPS

ok per  
① drawing  
② also per  
checkout  
of 4/3/95  
CPS

TANK - 25ft from  
house  
20ft from  
Road

SCE WILLOW BIRCH DRIVE

<b>B 1</b> <span style="font-size: 1.2em; font-weight: bold;">00222</span>	SEQUENCE NO. (DP USE ONLY)	<b>STATE OF MARYLAND</b> <b>APPLICATION FOR PERMIT TO DRILL WELL</b> please print or type	STATE PERMIT NUMBER <span style="font-size: 1.2em; font-weight: bold;">40-92-0420</span> <small>70 fill in this form completely 79</small>
Date Received (APA) <span style="font-size: 1.2em; font-weight: bold;">040693</span>		<b>B 3</b> <span style="font-size: 1.2em; font-weight: bold;">LOCATION OF WELL</span>	
<b>OWNER INFORMATION</b> Last Name: <span style="font-size: 1.2em; font-weight: bold;">SYCAMORE</span> Owner: <span style="font-size: 1.2em; font-weight: bold;">VALLEY</span> First Name: <span style="font-size: 1.2em; font-weight: bold;">PARK</span> Street or RFD: <span style="font-size: 1.2em; font-weight: bold;">10805 AICKORY RIDGE</span> Town: <span style="font-size: 1.2em; font-weight: bold;">COLUMBIA</span> State: <span style="font-size: 1.2em; font-weight: bold;">MD</span> Zip: <span style="font-size: 1.2em; font-weight: bold;">21044</span>		COUNTY: <span style="font-size: 1.2em; font-weight: bold;">HOWARD</span> SUBDIVISION: <span style="font-size: 1.2em; font-weight: bold;">CATTAIL CREEK</span> SECTION: <span style="font-size: 1.2em; font-weight: bold;">2</span> LOT: <span style="font-size: 1.2em; font-weight: bold;">7</span> NEAREST TOWN: <span style="font-size: 1.2em; font-weight: bold;">GLENWOOD</span> MILES FROM TOWN (enter 0 if in town): <span style="font-size: 1.2em; font-weight: bold;">1</span> MI	
<b>DRILLER INFORMATION</b> Driller's Name: <span style="font-size: 1.2em; font-weight: bold;">Ralph MAYNE</span> License No. 80: <span style="font-size: 1.2em; font-weight: bold;">273</span> Firm Name: <span style="font-size: 1.2em; font-weight: bold;">Ralph MAYNE (well drilling)</span> Address: <span style="font-size: 1.2em; font-weight: bold;">9120 Brown Church Rd. Mt Airy</span> Signature: <span style="font-size: 1.2em; font-weight: bold;">Ralph Mayne</span> Date: <span style="font-size: 1.2em; font-weight: bold;">4/5/93</span>		<b>B 4</b> <span style="font-size: 1.2em; font-weight: bold;">DIRECTION OF WELL FROM TOWN (CIRCLE BOX)</span> 	
<b>WELL INFORMATION</b> APPROX. PUMPING RATE (GAL. PER MIN.): <span style="font-size: 1.2em; font-weight: bold;">5</span> AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY): <span style="font-size: 1.2em; font-weight: bold;">500</span>		NEAR WHAT ROAD: <span style="font-size: 1.2em; font-weight: bold;">WILLOW BIRCH DR.</span> ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX):  DISTANCE FROM ROAD: <span style="font-size: 1.2em; font-weight: bold;">25</span> FT or MI <span style="font-size: 1.2em; font-weight: bold;">R4</span>	
<b>USE FOR WATER (CIRCLE APPROPRIATE BOX)</b> <input checked="" type="radio"/> HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY) <input type="radio"/> FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) <input type="radio"/> INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT) <input type="radio"/> PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL) <input type="radio"/> TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)		NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL COUNTY NAME: <span style="font-size: 1.2em; font-weight: bold;">HOWARD</span> COUNTY NO.: <span style="font-size: 1.2em; font-weight: bold;">A48092</span> STATE SIGNATURE: _____ DATE ISSUED: <span style="font-size: 1.2em; font-weight: bold;">080693</span> CO SIGNATURE: <span style="font-size: 1.2em; font-weight: bold;">C. Will</span> EXP. DATE: <span style="font-size: 1.2em; font-weight: bold;">8/5/94</span> NORTH GRID: <span style="font-size: 1.2em; font-weight: bold;">523000</span> EAST GRID: <span style="font-size: 1.2em; font-weight: bold;">0707000</span>	
APPROXIMATE DEPTH OF WELL: <span style="font-size: 1.2em; font-weight: bold;">150</span> FEET APPROXIMATE DIAMETER OF WELL: <span style="font-size: 1.2em; font-weight: bold;">6"</span> NEAREST INCH: _____		SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X SOURCES OF DRILLING WATER: 1. <span style="font-size: 1.2em; font-weight: bold;">well</span> 2. _____ 3. _____ WRITE THE BOX NUMBER FROM THE MAP HERE: <div style="border: 1px solid black; padding: 5px; display: inline-block;">             E <span style="font-size: 1.2em; font-weight: bold;">7897</span>              N <span style="font-size: 1.2em; font-weight: bold;">5293</span> </div>	
<b>METHOD OF DRILLING (circle one)</b> BORED (or Augered) <input checked="" type="radio"/> JETTED <input type="radio"/> Jetted & DRIVEN AIR-ROTARY <input checked="" type="radio"/> AIR-PERCussion <input type="radio"/> ROTARY (Hydraulic Rotary) CABLE <input type="radio"/> REVERSE-ROTARY <input type="radio"/> Drive-POINT other: _____		DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION 	
<b>REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)</b> <input checked="" type="radio"/> THIS WELL WILL NOT REPLACE AN EXISTING WELL <input type="radio"/> THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED <input type="radio"/> THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY <input type="radio"/> THIS WELL WILL DEEPEMED AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE): <span style="font-size: 1.2em; font-weight: bold;">41</span> _____ <span style="font-size: 1.2em; font-weight: bold;">52</span>		Not to be filled in by driller (OEP USE ONLY) APPROP. PERMIT NUMBER: <span style="font-size: 1.2em; font-weight: bold;">GAP</span> FORCE: <span style="font-size: 1.2em; font-weight: bold;">C6</span> WRITE INITIALS IN BOX: _____ PERMIT No.: <span style="font-size: 1.2em; font-weight: bold;">40-92-0420</span> SPECIAL CONDITIONS: <span style="font-size: 1.2em; font-weight: bold;">410-740-7100</span>	

C1	7650	SEQUENCE NO. (DENV USE ONLY)	STATE OF MARYLAND WELL COMPLETION REPORT FILL IN THIS FORM COMPLETELY PLEASE PRINT OR TYPE		45 DAYS AFTER WELL				
					COUNTY NUMBER	A48092			
1 2 3 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)		DATE RECEIVED		DATE WELL COMPLETED		Depth of Well		PERMIT NO. FROM "PERMIT TO DRILL WELL"	
8 13		15 20		22 26		28 37		40 42 44 46 48 50 52 54 56 58 60 62 64 66 68 70	

OWNER	Sycamore Hill Park, Baltimore		
STREET OR RFD	last name	first name	TOWN
SUBDIVISION	Catholico	SECTION	LOT

**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		Check if water bearing
	FROM	TO	
Top Soil	0	2	
Sandy	2	11	
Sand Stone	11	18	
MICKA	18	60	
Sand Stone	60	65	
MICKA	65	290	

**GROUTING RECORD**  
WELL HAS BEEN GROUTED (Circle Appropriate Box) ☒ YES ☐ NO  
TYPE OF GROUTING MATERIAL  
CEMENT ☒ BENTONITE CLAY ☐  
NO. OF BAGS 8 NO. OF POUNDS 200  
GALLONS OF WATER 48  
DEPTH OF GROUT SEAL (to nearest foot)  
from 0 ft. to 22 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  
Nominal diameter top (main) casing (nearest inch) 6  
Total depth of main casing (nearest foot) 25  
OTHER CASING (if used) 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 OT  
PLASTIC OTHER  
DEPTH (nearest ft.)  
1 HO 23 270  
2  
3

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 IDENT. NO. 117  
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

OEP 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. to nearest gal.) 8  
METHOD USED TO MEASURE PUMPING RATE Bucket  
WATER LEVEL (distance from land surface)  
BEFORE PUMPING 62  
WHEN PUMPING 82  
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 WILL INSTALL PUMP YES NO  
IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE  
TYPE OF PUMP INSTALLED  
PLACE (A,C,J,P,R,S,T,O) IN BOX - SEE ABOVE:  
CAPACITY: GALLONS PER MINUTE (to nearest gallon)  
PUMP HORSE POWER  
PUMP COLUMN LENGTH (nearest ft.)  
CASING HEIGHT (circle appropriate box and enter casing height)  
+ above } LAND SURFACE  
- below } (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)  
well 50' Prop Line  
130' Road