

approved
3/12/86 Cullen

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

P 36450

A 27903

HOWARD COUNTY

BUREAU OF ENVIRONMENTAL HEALTH

461-9933

05-388607

ELLICOTT CITY

DISTRICT 5th

DATE 1/24/86

INDEXED

American Dream Exteriors

IS PERMITTED TO INSTALL ☒ ALTER ☐

ADDRESS 19413 St. Johnsbury Lane, Germantown, MD 20874 PHONE

SUBDIVISION E. Cox Property ROAD 13957 Route 108 LOT 7-B

PROPERTY OWNER Christopher P. Cooney

ADDRESS

IF GARBAGE GRINDER IS USED INCREASE SEPTIC TANK CAPACITY BY 50% AND ABSORPTION AREA BY 22%.

GARBAGE GRINDER? YES ☐ NO ☒

SEPTIC TANK CAPACITY 1250 GALLONS NUMBER OF BEDROOMS 4

TRENCHES - 165 sq. ft. per bedroom. Trench to be 2 feet wide. Inlet 4 feet below original grade. Bottom maximum depth 10 feet below original grade. Effective area begins at 4 feet below original grade. 6 feet of stone below distribution pipe.

LOCATION: Place the drywell or start the trench 190 feet from the front lot line and 25 feet from the right sideline, as seen when facing the lot from 4 Wheel Drive. Continue to dig the trench on level ground running towards the front part of the lot.

NOTE: No trench to exceed 100 feet in length. If more than one trench used, a distribution box is required. Call for inspection of trench before and after gravel is installed. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank.

PLANS APPROVED BY Frank Skinner DATE 3/05/85

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: IF TRENCH IS 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 40 PVC OR ABS.

PERMIT VOID AFTER THREE 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

PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET MANHOLE TO GRADE REQUIRED.

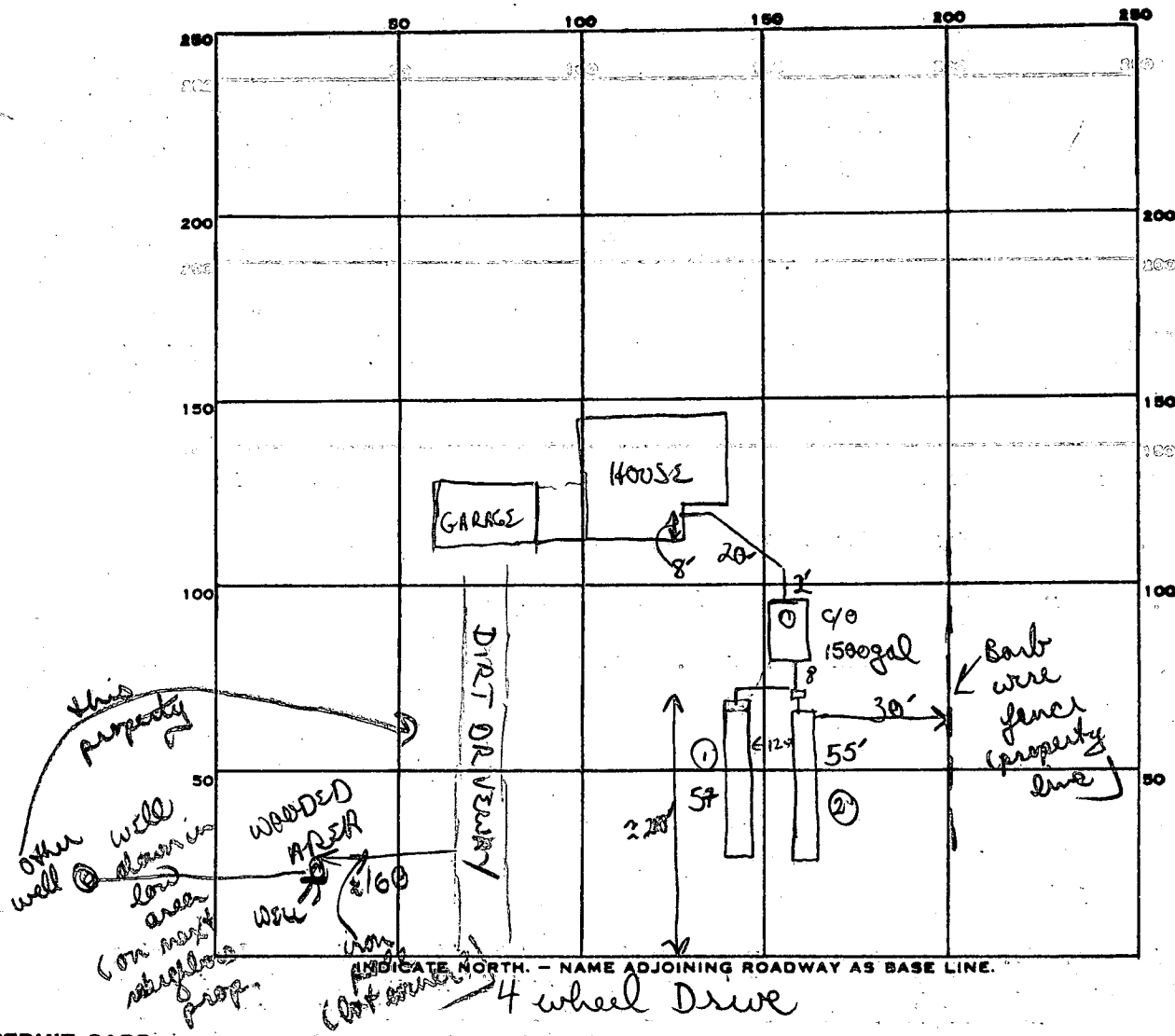
*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APROVAL ON THIS PERMIT

CALL 982-2330 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1082

INSPECTOR

DATE SYSTEM APPROVED



PERMIT CARD _____

SEPTIC TANK, LEVEL 1500 gal ✓ CLEANOUTS 1 ST.

DISTRIBUTION BOX, LEVEL _____

TILE FIELD, DEPTH 10 x 10 FT. TRENCH WIDTH 2 FT.

GRAVEL DEPTH 6 FT IN: TOTAL LENGTH 55 53 FT. = 110

NUMBER OF TRENCHES 2 ONE SIDEWALK TOTAL BOTTOM AREA 660

SEEPAGE PITS, INSIDE DIAMETER _____ FT. DEPTH BELOW INLET _____ FT.

ABSORBENT AREA 660 SQ. FT.

REMARKS 3/12/86 OK to add stone pipe paper to trenches 1 x 2. OK to
cover parts of trench #1 to get to trench #2

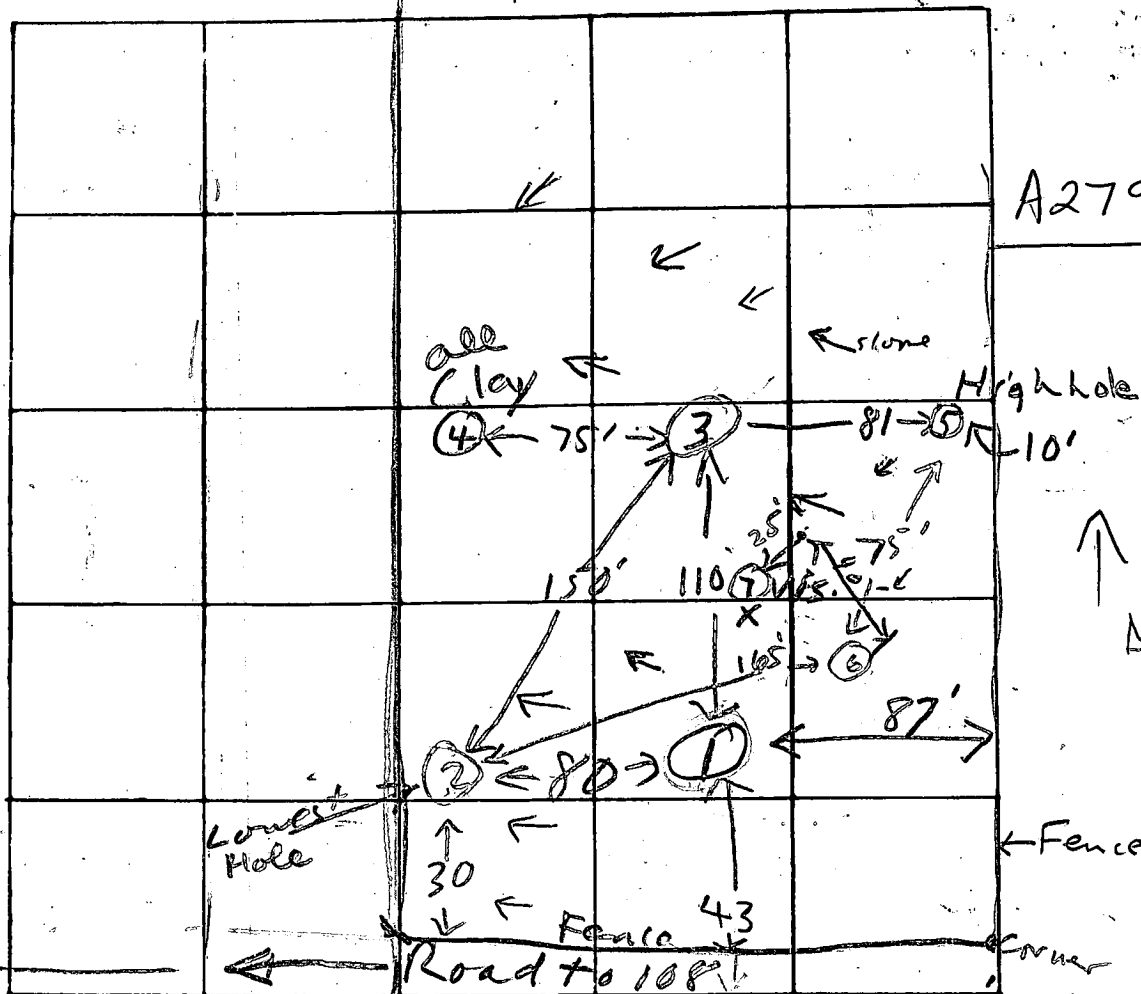
DATE SYSTEM APPROVED 3/12/86 INSPECTOR C. Miller

165
4
660

55
6
330
330
660

A27903

#1 clay
9.5' Sand
#4 clay
to 12'
#3 clay
4.5' weathered
rock
14'
#5 clay
5' weathered
rock
14'



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE

#2 4' clay
weath.
Rock
14'

| DATE | TEST NO. | DEPTH | PRE-WET START | PRE-WET STOP | TEST - 1" DROP START | TEST - 1" DROP STOP | TIME |
|--------|----------|-------|------------------|-----------------|-------------------------|------------------------|---------|
| 6/9/78 | 1 S | 3.5' | 10:10 | | Never went down fails | | |
| " | 1 D | 13.5' | 10:11 | 10:12 | 10:12 | 10:13 | 1 fails |
| " | 2 S | 4' | 10:18 | | | 10:26 | 6 |
| " | 2 D | 14' | 10:18 | | | 10:26 | 6 |
| " | 3 S | 4' | 10:27 | 10:38 | 10:38 | 11:05 | 27 |
| " | 3 D | 14' | 10:27 | 10:30 | 10:30 | 10:37 | 7 |
| " | 5 S | 4' | 11:22 | 11:30 | 11:30 | 11:54 | 24 |
| " | 5 D | 14' | 11:22 | 11:24 | 11:24 | 11:28 | 4 |
| " | 6 S | 4' | 11:33 | 11:35 | 11:35 | 11:36 | 1 |
| " | 6 D | 12' | 11:35 | 11:36 | 11:36 | 11:41 | 5 |
| " | 7 | | | | | | |

AV. = 10
135 #/Bv
540 #/ft.

REMARKS

TYPE OF SOIL

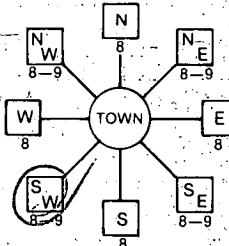

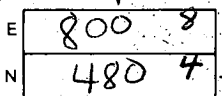
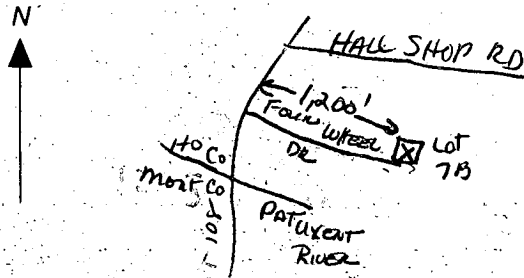
Clay, weathered Rock & sand

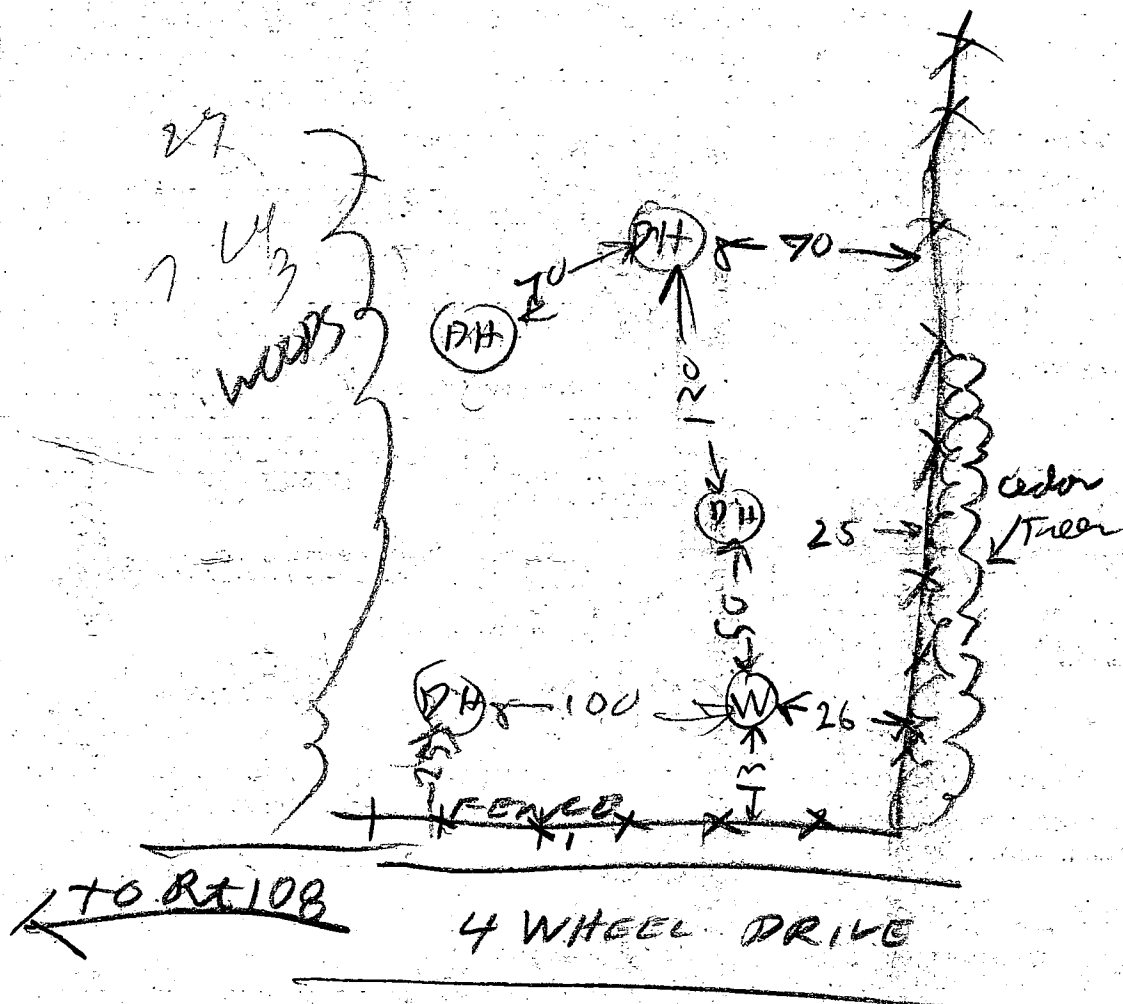
TESTED BY

L. Spilker

ALSO PRESENT:

Mr. Cox, Fred Dickson

| | | | |
|---|--------------------------------|---|---|
| B 1 7178 <small>(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)</small> | SEQUENCE NO. (OEP USE ONLY) | STATE OF MARYLAND PERMIT TO DRILL WELL please print or type | OEP PERMIT NUMBER H0-81-0290 <small>fill in this form completely</small> |
| Date Received 11/8/83 - 11:00 AM (owner) 091383 OWNER INFORMATION 15 Last Name COONEY Owner First Name CHRISTOPH 36 Street or RFD 19413 ST JOHNSBURY LN 57 Town GERMANTOWN 70 State 72 MD Zip 76 20874 | | B 3 LOCATION OF WELL 1 2 HOWARD 8 COUNTY 21 COX PROPERTY 23 SUBDIVISION 42 SECTION 44 46 LOT 7B HIGHLAND 52 NEAREST TOWN 71 MILES FROM TOWN (enter 0 if in town) 1 73 76 77 78 MI | |
| DRILLER INFORMATION Driller's Name GEORGE F. EASTERDAY 77 License No. 80 40 Firm Name G. F. EASTERDAY, INC. Address 9805 Brown Creek Rd, Mt. Airy, MD. 21771 Signature George F. Easterday Date 9/9/83 | | B 4 1 2 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)  11 NEAR WHAT ROAD Four Wheel Drive 30 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)  34 280 37 DISTANCE FROM ROAD ENTER FT or MI FT 38 39 | |
| B 2 WELL INFORMATION 1 2 APPROX. PUMPING RATE (GAL. PER MIN.) 5 8 12 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500 14 20 | | NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL HOWARD A27903 COUNTY NAME COUNTY NO. OEP SIGNATURE STATE HEALTH INSERT S <input type="checkbox"/> DATE ISSUED 093083 Frank Shennir 3/30/84 43 48 CO SIGNATURE EXP. DATE NORTH GRID 484000 50 55 EAST GRID 0808000 57 63 | |
| USE FOR WATER (CIRCLE APPROPRIATE BOX) <input checked="" type="checkbox"/> HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY) <input type="checkbox"/> FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) <input type="checkbox"/> INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT) <input type="checkbox"/> PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL) <input type="checkbox"/> TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT) | | SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X SOURCES OF DRILLING WATER 1. well 2. 3. WRITE THE BOX NUMBER FROM THE MAP HERE  | |
| APPROXIMATE DEPTH OF WELL 200 24 28 FEET APPROXIMATE DIAMETER OF WELL 6 NEAREST INCH | | 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 39 <input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY <input type="checkbox"/> THIS WELL WILL DEEPEMED AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 | | DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION  | |
| Not to be filled in by driller (OEP USE ONLY) | | | |
| APPROX. PERMIT NUMBER GAP 54 63 | | FORCE FS WRITE INITIALS IN BOX PERMIT NO. H0-81-0290 70 71 72 73 74 75 76 77 78 79 | |
| SPECIAL CONDITIONS | | | |



11/8/83

① 34 FT OPEN HOLE

② 39 FT CASING IN WELL 1 FT OUT OF GROUND

③ 10 BAGS

④ LOCATION O.K.

⑤ WELL GROUT O.K.

R. Hodge

C1 4463

SEQUENCE NO.
(OEP USE ONLY)STATE OF MARYLAND
WELL COMPLETION REPORTFILL IN THIS FORM COMPLETELY
PLEASE PRINT OR TYPETHIS REPORT MUST BE SUBMITTED WITHIN
45 DAYS AFTER WELL IS COMPLETED.1 2 3 6
(THIS NUMBER IS TO BE PUNCHED
IN COLS. 2, 3 ON ALL CARDS)COUNTY
NUMBER

A 27903

DATE Received

DATE WELL COMPLETED

Depth of Well

PERMIT NO.

FROM "PERMIT TO DRILL WELL"

8 13

1111483

22 460 26
(TO NEAREST FOOT)28 29 30 31 32 33 34 35 36 37
H0-81-0290

OWNER

Cooney

Christopher

STREET OR RFD

last name Four wheel Drive

first name

TOWN

Highland

SUBDIVISION

E.F. Cox

SECTION

LOT

75

WELL LOG

Not required for driven wells

STATE THE KIND OF FORMATIONS
PENETRATED, THEIR COLOR, DEPTH,
THICKNESS AND IF WATER BEARINGDESCRIPTION (Use
additional sheets if needed)

FEET

FROM TO

Check
if water
bearing

top soil 0 3
shaley 3 20
Brown mica 20 26
mica 26 40
tan mica 40 50
mica 50 300
mica flint 300 320
mica 320 385
mica flint 385 400

well pump 3600

200
200
240
140
100

GROUTING RECORD

WELL HAS BEEN GROUTED
(Circle Appropriate Box)yes no
Y N
44 44

TYPE OF GROUTING MATERIAL

CEMENT CM 45 46

BENTONITE CLAY BC 45 46

NO. OF BAGS 10 NO. OF POUNDS 1000

GALLONS OF WATER 59

DEPTH OF GROUT SEAL (to nearest foot)

from 0 ft. to 34 ft.
(enter 0 if from surface)

CASING RECORD

casing
types
insert
appropriate
code
belowST CO
STEEL CONCRETE
PL OT
PLASTIC OTHERMAIN Nominal diameter Total depth
CASING top (main) casing of main casing
TYPE (nearest inch) (nearest foot)

S A 06 39 70

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

SCREEN RECORD

screen type
or open hole
insert
appropriate
code
belowST BR HO
STEEL BRASS OPEN
HOLE
PL OT
PLASTIC OTHERC2
DEPTH (nearest ft.)
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51

SLOT SIZE 1 2 3

DIAMETER OF SCREEN (NEAREST INCH)

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.) WQ
70 72 74 75 76
TELESCOPE LOG OTHER DATA
CASING INDICATOR

C3

PUMPING TEST

HOURS PUMPED (nearest hour)

PUMPING RATE (gal. per min. to nearest gal.)

METHOD USED TO MEASURE PUMPING RATE Bucket

WATER LEVEL (distance from land surface)

BEFORE PUMPING 34

WHEN PUMPING 287

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
(CIRCLE) (YES or NO)
IF DRILLER INSTALLS PUMP, THIS SECTION
MUST BE COMPLETED FOR ALL WELLS
EXCEPT HOME USETYPE 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)

LAND SURFACE (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)

DRILLERS IDENT. NO.

DRILLERS SIGNATURE
(MUST MATCH SIGNATURE ON APPLICATION)SITE SUPERVISOR (sign. of driller or journeyman
responsible for sitework if different from permittee)

HEALTH

of _____

FIELD DATA SHEET
COUNTY WELL YIELD TEST

Review 3/19/85 Not adequate
for well system
H0-81-0751 to be used as
primary H₂O supply

1 Permit No. H0-81-0290 Election District _____
Location of property (road) Fourwheel Drive
division Cox Prop. Lot 7 Block B Plat _____ Sec. _____
1 Driller _____ Owner Cooney
Depth of well 400' 1/2
Distance of measuring point (M.P.) above ground +2
Static water level (S.W.L.) below M.P. 34'

High rate pumping--reservoir drawdown

Time pump started 10:45 AM Pumping rate 8 Gpm
Total time 45 mins to reach pumping water level 280' ft. below M.P.
Recovery pump test date-observations to be recorded every 15 minutes.

P. Det. 230

| TIME | WATER LEVEL below M.P. | PUMPING RATE time to fill gallon bucket | FLOW METER READING (if used) | CALCULATED FLOW gallons per minute |
|------|---------------------------|---|---------------------------------|---------------------------------------|
| 1:45 | 280 | 60 SEC | | 1 |
| 2:00 | 280 | 60 SEC | | 1 |
| 2:15 | 280 | 60 SEC | | 1 |
| 2:30 | 280 | 60 SEC | | 1 |
| 2:45 | 281 | 60 SEC | | 1 |
| 3:00 | 281 | 60 SEC | | 1 |
| 3:15 | 282 | 60 SEC | | 1 |
| 3:30 | 283 | 60 SEC | | 1 |
| 3:45 | 284 | 60 SEC | | 1 |
| 4:00 | 285 | 60 SEC | | 1 |
| 4:15 | 286 | 60 SEC | | 1 |
| 4:30 | 287 | 60 SEC | | 1 |
| 4:45 | 288 | 60 SEC | | 1 |
| 5:00 | 290 | 60 SEC | | 1 |
| 5:15 | 291 | 75 SEC | | 3/4 |
| 5:30 | 290 | 75 SEC | | 3/4 |
| 5:45 | 290 | 75 SEC | | 3/4 |
| 6:00 | 289 | 75 SEC | | 3/4 |
| 6:15 | 289 | 75 SEC | | 3/4 |
| 6:30 | 289 | 75 SEC | | 3/4 |
| 6:45 | 290 | 75 SEC | | 3/4 |
| 7:00 | 290 | 75 SEC | | 3/4 |
| 7:15 | 289 | 75 SEC | | 3/4 |
| 7:30 | 287 | 75 SEC | | 3/4 |
| | | | <u>Blane</u> | |

FIELD DATA SHEET
 COUNTY WELL YIELD TEST

Review _____

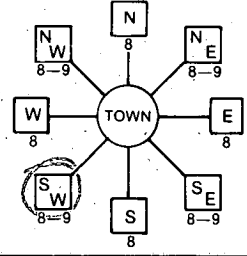

Well Permit No. 40-81-0290 Election District _____
 Location of property (road) Law. White Drive
 Subdivision Cox Property Lot 7 Block B Plat _____ Sec. _____
 Well Driller Gray S. Kaskady Owner Christopher Crony
 Depth of well 400'
 Distance of measuring point (M.P.) above ground 1
 Static water level (S.W.L.) below M.P. 35'

High rate pumping--reservoir drawdown

Time pump started 8:15 AM Pumping rate 10 GPM
 Total time 30 MIN. to reach pumping water level 200 ft. below M.P.

1. Recovery pump test data-observations to be recorded every 15 minutes.
 Pump set at 300' TESTED BY BLANK 9/20/84 9:03

| TIME | WATER LEVEL below M.P. | PUMPING RATE time to fill gallon bucket | FLOW METER READING (if used) measuring at top of casing | CALCULATED FLOW gallons per minute |
|-------|---------------------------|---|---|---------------------------------------|
| 9:00 | 202 | 60 SEC. | 40' - 16" 8:10 AM | 1 |
| 9:15 | 202 | 60 SEC. | 40' - 20" 8:20 | 1 |
| 9:30 | 202 | 60 SEC. | 40' - 23" 8:40 | 1 |
| 9:45 | 202 | 60 SEC. | 40' - 22" 9:00 | 1 |
| 10:00 | 204 | 60 SEC. | 40' - 20" 9:15 | 1 |
| 10:15 | 205 | 60 SEC. | 40' - 20" 9:30 | 1 |
| 10:30 | 206 | 60 SEC. | 40' - 19" 9:45 | 1 |
| 10:45 | 206 | 60 SEC. | 40' - 18" 10:00 | 1 |
| 11:00 | 207 | 60 SEC. | 40' - 18" 10:15 | 1 |
| 11:15 | 205 | 120 SEC. | 40' - 17" 10:30 | .5 |
| 11:30 | 206 | 60 SEC. | 40' - 17" 10:45 | 1 |
| 11:45 | 206 | 75 SEC. | 40' - 16" 11:00 | .75 |
| 12:00 | 205 | 75 SEC. | 40' - 16" 11:15 | .75 |
| 12:15 | 205 | 75 SEC. | 40' - 16" 11:30 | .75 |
| 12:30 | 202 | 75 SEC. | 40' - 16" 11:45 | .75 |
| 12:45 | 202 | 75 SEC. | 40' - 16" 12:00 | .75 |
| 1:00 | 202 | 75 SEC. | 40' - 16" 12:15 | .75 |
| 1:15 | 202 | 75 SEC. | 40' - 16" 12:30 | .75 |
| 1:30 | 202 | 75 SEC. | 40' - 16" 12:45 | .75 |
| 1:45 | 202 | 75 SEC. | 40' - 16" 1:00 | .75 |
| 2:00 | 203 | 75 SEC. | 40' - 16" 1:15 | .75 |
| 2:15 | 203 | 75 SEC. | 40' - 16" 1:30 | .75 |
| 2:30 | 203 | 75 SEC. | 40' - 16" 1:45 | .75 |
| 2:45 | 203 | 75 SEC. | 40' - 16" 2:00 | .75 |
| 3:00 | 203 | 75 SEC. | 40' - 16" 2:15 | .75 |

| | | | |
|---|--------------------------------|--|---|
| B 1 4814 <small>(THIS NUMBER IS TO BE PUNCHED IN COLUMNS ON ALL CARDS)</small> | SEQUENCE NO. (OEP USE ONLY) | STATE OF MARYLAND PERMIT TO DRILL WELL please print or type. | OEP PERMIT NUMBER HO-81-0757 <small>fill in this form completely</small> |
| Date Received 092084 | | B 3 LOCATION OF WELL 1 HOWARD 21 <small>8 COUNTY</small> 23 COX PROPERTY 42 <small>SUBDIVISION</small> SECTION A 44 46 LOT 7A 48 50 HIGHLAND 52 <small>NEAREST TOWN</small> MILES FROM TOWN (enter 0 if in town) 1 73 M 76 I 77 I 78 | |
| OWNER INFORMATION 15 COONEY 13 <small>Last Name</small> 36 CHRISTOPHER 55 <small>Owner First Name</small> 57 19413 ST JOHNS BURY LN 76 <small>Street or RFD</small> 70 GERMANTOWN 72 MD 74 20874 76 <small>Town State Zip</small> | | DRILLER INFORMATION Driller's Name L. Daniel Eastman 77 41 <small>License No. 80</small> Firm Name L. Franklin Eastman, Inc. Address 925 Brown Church Rd W. Md 20771 Signature L. Daniel Eastman 9/19/81 Date | |
| B 2 WELL INFORMATION 1 APPROX. PUMPING RATE (GAL. PER MIN.) 5 8 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 400 14 20 | | B 4 1 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)  2 FOUR WHEEL DRIVE 30 <small>NEAR WHAT ROAD</small> ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)  34 200 37 <small>DISTANCE FROM ROAD</small> ENTER FT or MI F 38 I 39 | |
| USE FOR WATER (CIRCLE APPROPRIATE BOX) <input checked="" type="checkbox"/> D HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY) <input type="checkbox"/> F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) <input type="checkbox"/> I INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT) <input type="checkbox"/> P PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL) <input type="checkbox"/> T TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT) | | NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL HOWARD COUNTY NAME OEP SIGNATURE Frank Shuman 41 DATE ISSUED 4/10/85 COUNTY NO. A 27903 STATE HEALTH INSERT S NORTH GRID 484000 50 55 EAST GRID 0808000 57 63 | |
| APPROXIMATE DEPTH OF WELL 200 24 28 FEET | | APPROXIMATE DIAMETER OF WELL 6 NEAREST INCH | |
| METHOD OF DRILLING (circle one) BORED (or Augered) <u>JETTED</u> Jetted & <u>DRIVEN</u> 30 <u>AIR-ROTARY</u> 37 AIR-PERCussion ROTARY (Hydraulic Rotary) CABLE REVERSE-ROTARY DRIVE-POINT other _____ | | | |
| REPLACEMENT OR DEEPENEED WELLS (CIRCLE APPROPRIATE BOX) <input checked="" type="checkbox"/> N THIS WELL WILL NOT REPLACE AN EXISTING WELL <input type="checkbox"/> Y THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED 39 <input type="checkbox"/> S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY <input type="checkbox"/> D THIS WELL WILL DEEPEEN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPENEED (IF AVAILABLE) 41 _____ 52 | | | |
| Not to be filled in by driller (OEP USE ONLY) APPROP. PERMIT NUMBER _____ 54 GAP _____ 63 FORCE FS 67 68 WRITE INITIALS IN BOX PERMIT No. HO-81-0757 70 71 72 73 74 75 76 77 78 79 | | | |
| SPECIAL CONDITIONS | | | |

11/13/84 T.C. = Easterdays seal well grouted on Veterans Hwy F.E.

800
480

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

This well is to service Lot 7-B Cooney Property at Hall Shop Rd. PAUL SHOP RD. X WELL F.S. PATRICKS RIVER

| | | | | | | | |
|--|--|---|--|---|--|---|--|
| 01 2956 | | SEQUENCE NO. (OEP USE ONLY) | | STATE OF MARYLAND WELL COMPLETION REPORT FILL IN THIS FORM COMPLETELY PLEASE PRINT OR TYPE | | 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 27903 | |
| DATE Received | | DATE WELL COMPLETED | | Depth of Well | | PERMIT NO. FROM "PERMIT TO DRILL WELL" | |
| 11 21 84 | | 11 21 84 | | 120 | | 40-81-0757 | |
| OWNER COONEY | | CHRISTOPHER | | | | | |
| STREET OR RFD last name FOUR WHEEL DRIVE | | first name | | TOWN HIGHLAND | | | |
| SUBDIVISION COX PROPERTY | | SECTION | | LOT 7A | | | |
| WELL LOG Not required for driven wells | | GROUTING RECORD | | C 3 | | PUMPING TEST | |
| STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING | | WELL HAS BEEN GROUTED (Circle Appropriate Box) | | yes Y no N | | HOURS PUMPED (nearest hour) 3 | |
| DESCRIPTION (Use additional sheets if needed) | | TYPE OF GROUTING MATERIAL | | CEMENT CM BENTONITE CLAY BC | | PUMPING RATE (gal. per min. to nearest gal.) 8 | |
| FEET FROM TO | | NO. OF BAGS NO. OF POUNDS | | GALLONS OF WATER | | METHOD USED TO MEASURE PUMPING RATE Bucket | |
| TOP Soil 0 2 | | 6 600 | | 32 | | WATER LEVEL (distance from land surface) | |
| Clay 2 4 | | DEPTH OF GROUT SEAL (to nearest foot) | | from 0 ft. to 18 ft. | | BEFORE PUMPING 18 | |
| Shale 4 10 | | casing types insert appropriate code below | | ST CO PL OT | | WHEN PUMPING 48 | |
| Sand Stone 10 38 | | MAIN CASING TYPE | | Nominal diameter top (main) casing (nearest inch) 6 | | TYPE OF PUMP USED (for test) | |
| Mica 38 60 | | Total depth of main casing (nearest foot) 21 | | | | A air P piston T turbine | |
| Sand Stone 60 62 | | | | | | C centrifugal R rotary O other (describe below) | |
| Mica 62 120 | | | | | | J jet S submersible | |
| | | OTHER CASING (if used) | | diameter inch depth (feet) from to | | PUMP INSTALLED | |
| | | screen type or open hole insert appropriate code below | | ST BR HO PL OT | | DRILLER WILL INSTALL PUMP YES NO | |
| | | C 2 | | DEPTH (nearest ft.) | | IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE | |
| | | H C 19 120 | | 8 9 11 15 17 21 | | TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX - SEE ABOVE: | |
| | | | | 23 24 26 30 32 36 | | CAPACITY: GALLONS PER MINUTE (to nearest gallon) | |
| | | | | 38 39 41 45 47 51 | | PUMP HORSE POWER | |
| | | SLOT SIZE 1 2 3 | | DIAMETER OF SCREEN 56 60 | | PUMP COLUMN LENGTH (nearest ft.) | |
| | | | | | | CASING HEIGHT (circle appropriate box and enter casing height) | |
| | | | | | | + above - below | |
| | | | | | | LAND SURFACE 2 (nearest foot) | |
| 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 | | GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68 | | OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER) | | 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) | |
| I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 10.17.13 "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. 41 | | DRILLERS SIGNATURE H. Daniel Easterday | | left to line | |
| SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee) | | DRILLERS SIGNATURE Charles P. Keller | | TELESCOPE CASING LOG INDICATOR | | 20' well | |
| | | | | | | 20' well | |
| | | | | | | Four Wheel Drive | |

Review 3/19/85 on FC

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 81-0757

Location of property (road) FOUR WHEEL DRIVE

subdivision Cox PROPERTY

Lot **7A** Block Plat Sec.

Well Driller L. F. EASTERDAY

Owner CHRISTOPHER COONEY

Depth of well 120 106 ft.

Distance of measuring point (M.P.) above ground 30"

Static water level (S.W.L.) below M.P. 18'

High rate pumping -- reservoir drawdown

Time pump started 7:15

Pumping rate 8, G.P.M.

| Total time | to reach pumping water level | ft. below M.P. |
|------------|------------------------------|----------------|
| 10 | 10 | 10 |
| 20 | 20 | 20 |
| 30 | 30 | 30 |
| 40 | 40 | 40 |
| 50 | 50 | 50 |
| 60 | 60 | 60 |
| 70 | 70 | 70 |
| 80 | 80 | 80 |
| 90 | 90 | 90 |
| 100 | 100 | 100 |
| 110 | 110 | 110 |
| 120 | 120 | 120 |
| 130 | 130 | 130 |
| 140 | 140 | 140 |
| 150 | 150 | 150 |
| 160 | 160 | 160 |
| 170 | 170 | 170 |
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| 310 | 310 | 310 |
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| 630 | 630 | 630 |
| 640 | 640 | 640 |
| 650 | 650 | 650 |
| 660 | 660 | 660 |
| 670 | 670 | 670 |
| 680 | 680 | 680 |
| 690 | 690 | 690 |
| 700 | 700 | 700 |
| 710 | 710 | 710 |
| 720 | 720 | 720 |
| 730 | 730 | 730 |
| 740 | 740 | 740 |
| 750 | 750 | 750 |
| 760 | 760 | 760 |
| 770 | 770 | 770 |
| 780 | 780 | 780 |
| 790 | 790 | 790 |
| 800 | 800 | 800 |
| 810 | 810 | 810 |
| 820 | 820 | 820 |
| 830 | 830 | 830 |
| 840 | 840 | 840 |
| 850 | 850 | 850 |
| 860 | 860 | 860 |
| 870 | 870 | 870 |
| 880 | 880 | 880 |
| 890 | 890 | 890 |
| 900 | 900 | 900 |
| 910 | 910 | 910 |
| 920 | 920 | 920 |
| 930 | 930 | 930 |
| 940 | 940 | 940 |
| 950 | 950 | 950 |
| 960 | 960 | 960 |
| 970 | 970 | 970 |
| 980 | 980 | 980 |
| 990 | 990 | 990 |
| 1000 | 1000 | 1000 |

11. Recovery pump test data - observations to be recorded every 15 minutes

Pump 110

[illegible]

PLAT OF SURVEY FOR E. F. COX

FIFTH ELECTION DISTRICT-HOWARD CO
HIGHLAND, MARYLAND.
SCALE: 1 IN = 200 FT. JULY 1973

REVISION NOTE: Plat revised to show Lots No
5A, 5B, 5C, 5D, 7A, 7B and 7C April 5, 1974
E. F. COX

CURVE DATA

| CURVE | RADIUS | ARC LENGTH | CHORD |
|-------|--------|------------|---------------------|
| A | 200.00 | 150.10 | S 53°25'08"E 146.60 |
| B | 215.00 | 161.36 | S 53°25'08"E 157.60 |
| C | 225.00 | 160.87 | S 52°24'04"E 157.46 |
| D | 235.00 | 168.02 | S 52°24'04"E 164.46 |
| E | 245.00 | 175.17 | S 52°24'04"E 171.46 |
| F | 255.00 | 182.32 | S 52°24'04"E 178.46 |
| G | 265.00 | 189.47 | S 52°24'04"E 185.46 |
| H | 265.00 | 134.13 | S 46°25'08"E 132.70 |
| I | 250.00 | 126.54 | S 46°25'08"E 125.19 |
| J | 240.00 | 121.47 | S 46°25'08"E 120.18 |
| K | 230.00 | 116.41 | S 46°25'08"E 115.17 |
| L | 220.00 | 111.35 | S 46°25'08"E 110.17 |
| M | 210.00 | 106.29 | S 46°25'08"E 105.16 |
| N | 200.00 | 101.21 | S 36°54'38"E 167.74 |
| O | 215.00 | 118.01 | S 36°54'38"E 174.95 |
| P | 200.00 | 134.84 | S 32°13'02"E 132.30 |

N 46°02'E 84.51

N 02°46'52"E 111.21

N 02°46'52"E 10.31

N 02°46'52"E 10.31

N 02°46'52"E 10.31

N 02°46'52"E 10.31

N 02°46'52"E 17.55

N 02°46'52"E 15.35

N 02°46'52"E 51.17

N 79°53'W 215.34

212.80 210.75

193.38 203.14

198.00 211.23

S 74°35'08"E

N 74°55'08"W

S 78°13'50"E 569.33

N 10°46'08"W 113.12

(1)

3.509 ACRES

S 53°25'08"E 146.60

S 53°25'08"E 157.60

S 52°24'04"E 157.46

S 52°24'04"E 164.46

S 52°24'04"E 171.46

S 52°24'04"E 178.46

S 52°24'04"E 185.46

S 46°25'08"E 132.70

S 46°25'08"E 125.19

S 46°25'08"E 120.18

S 46°25'08"E 115.17

S 46°25'08"E 110.17

S 46°25'08"E 105.16

S 36°54'38"E 167.74

S 36°54'38"E 174.95

S 32°13'02"E 132.30

S 32°13'02"E 132.30

S 32°13'02"E 132.30

S 32°13'02"E 132.30

S 32°13'02"E 132.30

S 32°13'02"E 132.30

Well site easement

Overhead Electric Line

Runway

Secondary

Well

Well

Well

Well

Well

8.222 ACRES

(8)

S 81°24'06"E 287.48

S 76°36'33"E 174.83

S 67°24'18"E 126.33

S 67°24'18"E 126.33

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S 54°24'20"E 58.67

Non-Radial

462.05

1.983 ACRES

5.000 ACRES

Revised Sewage Area

Revised Sewage Area

Revised Sewage Area

Revised Sewage Area

Revised Sewage Area

Revised Sewage Area

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LLOYD, KANE & WIEDER

ATTORNEYS AT LAW

3716 COURT PLACE

ELLCOTT CITY, MARYLAND 21043-4589

THOMAS E. LLOYD
MALCOLM B. KANE
ROBERT E. WIEDER

TELEPHONE

(301) 461-9400

(301) 992-8933

(301) 465-4321

March 12, 1985

Mr. Frank Skinner
Howard County Health Department
3525 Ellicott Mills Drive
Suite H
Ellicott City, MD 21043

Dear Mr. Skinner:

Enclosed herewith please find Declaration of Easement per Mrs. Cooney's request. The Declaration of Easement was recorded on March 1, 1985, in Liber 1328, folio 722, among the Land Records of Howard County, Maryland.

Very truly yours,



Linda Brandt,
Secretary

lab

Enclosure

DECLARATION OF EASEMENT

This Declaration of Easement made this 11th day of December 1984, by and among Elza F. Cox and Geraldine Cox, (hereinafter Cox), Michael A. Comberiate, (hereinafter Comberiate), adjoining property owners, neighbors, and grantors as hereinafter set forth and Christopher P. Cooney and Deborah K. Cooney, (hereinafter Cooney), grantees,

WITNESSTH that whereas Cox owns in fee simple Lot 7A as shown and designated on the attached plat, Comberiate owns Lot 6 containing five acres and which lot includes a pipestem portion with road frontage on Maryland State Route 108, and which lot was conveyed with the right to use a 55' right of way for access to Maryland Route 108 and for other purposes enumerated in the grant of right of way contained in the deed to each party, and

WHEREAS, Cooney is the owner of Lot 7B, and

WHEREAS, Cox has agreed to and does hereby grant an easement to Cooney for installation maintenance and repair of a well, the well site to be approximately 20' x 20' and located as follows and as shown on the plat attached:

A well site approximately 20' x 20' in the most westerly and southerly corner of Lot 7A (exclusive of the "pipestem" portion of said lot) the northwesterly edge of the well site to be the N 60° 40' 11" E line of Lot 7A and an extension thereof across the pipestem and the southwesterly edge of the well site to be the curved line of Lot 7A having a chord bearing of S 46° 25' 08" E

The purpose of the easement is to permit Cooney and Cooney's heirs, successors, assigns and owners of Lot 7B to dig, install, maintain and repair a well that meets the requirements of Howard County, Maryland all as a right in perpetuity appurtenant to Lot 7B.

*General Leg
C.P. Cooney
D.K. Cooney*

~~Reserving however unto Cox, and Cox's heirs, successors,
assigns and owners of Lot 7A to use, in common with the owners
of Lot 7B, the said well, so long as the respective owners share
on an equitable basis the cost of maintaining and repairing said
well, and~~

WHEREAS, the Comberiate has agreed to and does hereby grant and confirm unto the said Cooney as a right appurtenant to Lot 7B in perpetuity, the right to lay, construct, maintain and repair the necessary pipeline to convey water from their well site to Lot 7B, said pipeline easement to be as follows:

A pipeline easement ten feet in width commencing at the well site and thence into and through the Comberiate pipestem to the edge of lot 7B, the Cooney property.

The conditions of the grant of easement by Comberiate is as follows:

1. All construction, maintenance and repair of the pipeline will be done in a manner to involve minimum damage to the servient property and minimum inconvenience to the owners of the servient properties.

2. The pipeline will be laid at sufficient depth and will be sufficiently reinforced that it will not be damaged by traffic or construction equipment on the surface (including vehicles or machinery gaining access to Lot 7C shown on the plat).

3. The owners of the dominant property will indemnify and hold harmless the owners of the servient property for damage or injury to their property, rights or interest as a result of the existence of the pipeline or pipeline right of way.

IN WITNESS WHEREOF, the parties hereto have set their hands and seals this 11th day of December, 1984.

Elza F. Cox (SEAL)

Geraldine Cox (SEAL)

Alvin Berlin
Michael A. Comberiate (SEAL)
MICHAEL A. COMBERIATE

Alvin Berlin
Christopher Cooney (SEAL)
CHRISTOPHER COONEY

Alvin Berlin
Deborah K. Cooney (SEAL)
DEBORAH K. COONEY

STATE OF MARYLAND, COUNTY OF Montgomery, to wit:

I HEREBY CERTIFY, that on this 11th day of December, 1984, before me, the subscriber, a Notary Public of the State aforesaid, personally appeared ELZA F. COX, known to me (or satisfactorily proven) to be the person whose name is subscribed to the within instrument and acknowledged that he executed the same for the purposes therein contained.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

My Commission Expires:

July 1, 1986
Ronda Lee Carriw
Notary Public

STATE OF MARYLAND, COUNTY OF _____, to wit:

I HEREBY CERTIFY, that on this 11th day of December, 1984, before me, the subscriber, a Notary Public of the State aforesaid, personally appeared GERALDINE COX, known to me (or satisfactorily proven) to be the person whose name is subscribed to the within instrument and acknowledged that she executed the same for the purposes therein contained.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

My Commission Expires:

July 1, 1986
Ronda Lee Carriw
Notary Public

STATE OF MARYLAND, COUNTY OF Montgomery, to wit:

I HEREBY CERTIFY, that on this 27th day of January, 1985, before me, the subscriber, a Notary Public of the State aforesaid, personally appeared MICHAEL A. COMBERIATE, known to me (or satisfactorily proven) to be the person whose name is subscribed to the within instrument and acknowledged that he executed the same for the purposes therein contained.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

My Commission Expires:

July 1, 1986

Alvin Berlin
Notary Public

STATE OF MARYLAND, COUNTY OF Montgomery, to wit:

I HEREBY CERTIFY, that on this 11th day of December, 1984, before me, the subscriber, a Notary Public of the State aforesaid, personally appeared CHRISTOPHER COONEY, known to me (or satisfactorily proven) to be the person whose name is subscribed to the within instrument and acknowledged that he executed the same for the purposes therein contained.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

My Commission Expires:

July 1, 1986

Ronda Lee Carrico
Notary Public

STATE OF MARYLAND, COUNTY OF Montgomery, to wit:

I HEREBY CERTIFY, that on this 11th day of December, 1984, before me, the subscriber, a Notary Public of the State aforesaid, personally appeared DEBORAH K. COONEY, known to me (or satisfactorily proven) to be the person whose name is subscribed to the within instrument and acknowledged that he executed the same for the purposes therein contained.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

My Commission Expires:

July 1, 1986

Ronda Lee Carrico
Notary Public

PLAT OF SURVEY FOR E. F. COX

FIFTH ELECTION DISTRICT-HOWARD COUNTY
HIGHLAND, MARYLAND.
SCALE: 1 IN. = 200 FT. JULY 1973

REVISION NOTE: Plat revised to show Lots No. 14
5A, 5B, 5C, 5D, 7A, 7B and 7C April 5, 1974
- *James M. Johnson*

CURVE DATA

| CURVE | RADIUS | ARC LENGTH | CHORD |
|-------|--------|------------|---------------------|
| A | 200.00 | 150.10 | S 53°25'08"E 146.60 |
| B | 215.00 | 161.36 | S 53°25'08"E 157.60 |
| C | 225.00 | 160.87 | S 52°24'04"E 157.46 |
| D | 235.00 | 168.02 | S 52°24'04"E 164.46 |
| E | 245.00 | 175.17 | S 52°24'04"E 171.46 |
| F | 255.00 | 182.32 | S 52°24'04"E 178.46 |
| G | 265.00 | 189.47 | S 52°24'04"E 185.46 |
| H | 265.00 | 134.13 | S 46°25'08"E 132.70 |
| J | 250.00 | 126.54 | S 46°25'08"E 125.19 |
| K | 240.00 | 121.47 | S 46°25'08"E 120.18 |
| L | 230.00 | 116.41 | S 46°25'08"E 115.17 |
| M | 220.00 | 111.35 | S 46°25'08"E 110.17 |
| N | 210.00 | 106.29 | S 46°25'08"E 105.16 |
| P | 200.00 | 167.61 | S 36°54'38"E 162.74 |
| Q | 215.00 | 180.18 | S 36°54'38"E 174.95 |
| R | 200.00 | 134.84 | S 32°13'02"E 132.30 |

N 46°02'E 84.51

N 02°46'52"E 111.21
N 02°46'52"E 10.31
N 02°46'52"E 10.31
N 02°46'52"E 10.31
N 02°46'52"E 10.31
N 02°46'52"E 17.55
N 02°46'52"E 15.35
N 02°46'52"E 51.17

MARYLAND STATE ROUTE No. 108

S 78°13'50"E 569.33

S 54°24'20"E 58.67

S 81°24'06"E 287.48

S 76°36'33"E 174.83

S 67°24'18"E 126.33

8.422 ACRES

Non-Radial
462.05
1.985 ACRES

3.509 ACRES

1.629 ACRES

1.386 ACRES

5.000 ACRES

Comberiate

Williams
335.00
332.50
10.02
10.02
30.00
600.00

Well site
Easement.

Overhead Electric
Line

1500 ACRES

436.94

N 51°31'55"W 288

S 12°40'11"E 172.68

S 51°31'55"E 600.00

N 32°17'07"E 139.1

N 36°26'08"E 730.05

S 51°31'55"E 600.00

N 32°17'07"E 139.1

N 36°26'08"E 730.05

S 51°31'55"E 600.00

N 32°17'07"E 139.1

N 36°26'08"E 730.05

S 51°31'55"E 600.00

N 32°17'07"E 139.1

N 36°26'08"E 730.05

S 51°31'55"E 600.00

N 32°17'07"E 139.1

N 36°26'08"E 730.05

S 51°31'55"E 600.00

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N 36°26'08"E 730.05

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N 36°26'08"E 730.05

S 51°31'55"E 600.00

N 32°17'07"E 139.1

N 36°26'08"E 730.05

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N 32°17'07"E 139.1

N 36°26'08"E 730.05

S 51°31'55"E 600.00

N 32°17'07"E 139.1

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N 32°17'07"E 139.1

N 36°26'08"E 730.05

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State of



Maryland

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Palsky
Fred
File

OFFICE OF THE SECRETARY

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

300 WEST PRESTON STREET • BALTIMORE, MARYLAND 21201 • Area Code 301 • 3832642

Harry Hughes, Governor

Adele Wilzack, R.N., M.S., Secretary

September 26, 1984

Mr. and Mrs. Christopher Cooney
19413 St. Johnsbury Lane
Germantown, Maryland 20874

Re: Christopher and Deborah Cooney
Denial of well permit
Hearing Office Docket No. 84-E-100

Dear Mr. and Mrs. Cooney:

Enclosed herewith, please find a copy the Department's final decision, signed by Brian Biles, M.D., Deputy Secretary of Health and Mental Hygiene, concerning the above matter.

If you are aggrieved by this decision, you may appeal to the Board of Review, Department of Health and Mental Hygiene, by filing your appeal, in writing, to the Liaison of the Board of Review, 201 West Preston Street, 3rd Floor, Baltimore, Maryland, 21201, within thirty (30) days of the date of this Order.

Very truly yours,

A handwritten signature in cursive script that reads "Fred S. London".

Fred S. London, Esquire
Hearing Examiner
Office of Hearings

FSL/dlg
Enclosure

cc: Joyce M. Boyd, M.D.
Mr. Richard B. Sellars
Mr. George Easterday
Marc K. Cohen, Esquire
Mr. Jack Holthaus

SEP 28 9 58 AM '84
FILING UNIT
CLERK OF COURT

IN THE MATTER OF * BEFORE A HEARING EXAMINER
CHRISTOPHER AND DEBORAH COONEY * OF THE DEPARTMENT OF
DENIAL OF WELL PERMIT * HEALTH AND MENTAL HYGIENE
HOWARD COUNTY * HEARING OFFICE DOCKET NO.
* 84-E-100

* * * * *

FINDING OF FACTS
CONCLUSIONS OF LAW
RECOMMENDATION

FINDING OF FACTS

Christopher and Deborah Cooney have appealed from a denial of a permit to install a well on their property, known as the Cox property, Lot 7-B, Four Wheel Drive, Howard County, Maryland.

The facts are essentially not in dispute. The Appellants purchased this lot in 1978 with the intention of building a house. Christopher Cooney is himself a builder and if the well were approved, he would construct his own house. The property consists of 1.386 acres from which the septic system is excluded. The subdivision in question consists of approximately 66 acres and there are only two (2) vacant lots remaining. The Appellants have stated that they have spent Thirty Thousand Dollars (\$30,000.00) to purchase the lot, and have additionally spent approximately Five Thousand, Two Hundred Dollars (\$5,200.00) in attempting to install a well that would meet the regulatory requirements. The Appellants have requested an exception from the provisions of COMAR 10.17.13. The Appellants have three children and intend to live in the property themselves. They have presented information from the Washington Suburban Sanitary Commission, indicating that their present water usage is less than 300 gallons per day. On September 30, 1983, Permit No. H0-81-0290, was issued to George F. Easterday for the

purpose of drilling a well. He thereafter drilled five (5) separate wells, all of which were dry. Mr. Easterday then deepened one (1) of the holes to a depth of 400 feet and produced water at the rate of three-quarters of a gallon per minute. Although the Appellants testified that their neighbor's well produces one-half gallon per minute, this was not confirmed and in fact there was testimony that the neighboring well produces one (1) to two (2) gallons per minute.

The area in question is known to have a low gallon per minute production. However, there have been no failures or problems with any of the wells. When the Appellants purchased the property, the present regulations were not in effect. They would not have been prevented from constructing a house on this lot until 1980. The current regulations were adopted November 28, 1980. Mr. John Covalt, Jr., Regional Consultant with Residential Sanitation, Department of Health and Mental Hygiene, testified that in addition to the yield per minute deficiency, the well would not have sufficient storage capacity. Mr. George Easterday, the well digger, testified that the well would have more than sufficient storage capacity under the regulation. He further testified that although there was no guarantee that a well would not run dry, it was his opinion that the well would produce 625 gallons once a day and that the probability was very strong that the well would pose no problem. He based his opinion upon his experience and upon the fact that during yield tests, the neighboring well, which is 43 feet away, was not affected. The well on the subject property produced a strong three-quarters of a gallon per minute flow.

The current regulations do permit the joining of two (2) wells, each with at least one-half gallon per minute flow to meet the requirement of one (1) gallon per minute. However, based upon the holes that have been dug and the results thereof, this is not a possibility on this lot.

Mr. Easterday testified that he was a member of the committee that was involved in the promulgation of COMAR 10.17.13. He stated that the original form of the regulation did not include a requirement of a minimum of one-gallon per minute flow. He contended that one-gallon per minute was only intended to be an illustration. Subsequent to the hearing, this Hearing Examiner has reviewed the complete regulation file of COMAR 10.17.13.

CONCLUSIONS OF LAW

The form of COMAR 10.17.13 as originally proposed was as follows:

".07

P. Domestic Water Supply System Standard.

- (1) The water supply system shall be designed so that it is capable of producing not less than 500 gallons of water in a 2 hour period, at least once each day.
- (2) If the sustained yield of the well is not capable of meeting the total water supply standard, sufficient storage must be provided."

The form of the regulation as adopted is as follows:

"COMAR 10.17.13

.07 Construction Standards.

P. Domestic Water Supply System Standard.

- (1) A well or double well system shall produce at least 1 gallon per minute.
- (2) The water supply system shall produce not less than 500 gallons of water in a 2-hour period, at least once each day."

Mr. Easterday testified that he was not aware of the reason for the change in the final form of the regulation. The regulation file reveals that there was significant controversy about the form of the regulation. The Department of Natural

Resources was a co-sponsor of this regulation with the Department of Health and Mental Hygiene. James D. Coulter, Secretary of Department of Natural Resources, commented as follows:

"My objection to the yield test is that it gives no protection to the homeowner. A well could pass the yield test successfully and yet run dry soon after the house it serves is occupied, thus a state sanction yield test would give the homeowner a false sense of security ... To be satisfactory, the well must produce water that meets minimum water quality standards at a sustained rate of one gallon per minute."

There is additionally a memorandum from Jack Holthaus, Chief of Residential Sanitation, Department of Health and Mental Hygiene, stating:

"Please consider changing the 500 gallon standard in two hours to something better than what the regulation presently requires ... I suggest at least one gpm."

The regulation as adopted is clear on its face that there is a requirement that a well yield a minimum of one (1) gallon per minute. The facts in this case are undisputed that the proposed well will produce no more than three-quarters of a gallon per minute. The lot in question clearly does not meet the requirements of COMAR 10.17.13.07 P (1). The lot does meet the storage requirements of the regulation.

RECOMMENDATION

The Appellants could have obtained a permit and installed a well on this property between 1978, the date of purchase, and November, 1980, the effective date of the regulation. The Appellants have not acquired any vested rights to install a well on this property. The Appellants are claiming that they should be permitted an exception for the following reasons:

- (1) Their current and anticipated daily water usage is less than one-half of the capacity of the proposed well.

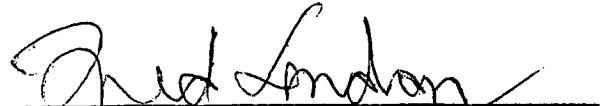
- (2) They have expended in excess of \$35,000.00 for the property and for well testing and if they are not permitted to erect a dwelling, they will sustain a substantial hardship.
- (3) He is a contractor and will construct the building for his family with full knowledge that the requirements of the regulation have not been met and with full acceptance of the responsibility of a lack of water.
- (4) If granted an exception, they will place on record a deed containing a statement for the protection of all potential future purchasers of this property, stating that the lot in question does not meet the minimum gallon per minute requirements of the regulation and that it appears that the lot will not meet that minimum requirement. If the well runs dry, there is no potential for the erection of another well and, therefore, the building will become uninhabitable. They will further include a statement that they are willing to accept the consequences of having invested a large sum of money in the erection of a building which may become uninhabitable because of lack of water.

COMAR 10.17.13 was enacted in order to provide state-wide standards for the installation of wells. It was intended to protect potential home owners from unscrupulous contractors and builders and to protect against improper installation of wells. In this case, there can be no unsuspecting homeowner because the homeowner and the contractor are the same person. In addition, there can be no unsuspecting future homeowners because if a permit were granted, it would be conditioned upon the recording of a document that clearly states that the well is subject to going dry and does not meet the minimum yield of one-gallon per minute and that the house would become uninhabitable if the well fails. Therefore, even though the proposed well does not meet the minimum statutory requirements, the contractor/homeowner is fully aware of all of the hazards of proceeding and the rights of all future potential homeowners would be protected.

Nevertheless, the Secretary does not have general equity powers. The Secretary must adhere to the mandate of a validly promulgated regulation. COMAR 10.17.13.07 P (1) requires

that a well produce at least one gallon per minute and this proposed well does not meet this requirement.

The Secretary must disapprove the requested permit.


Fred S. London, Esquire
Hearing Examiner
Office of Hearings

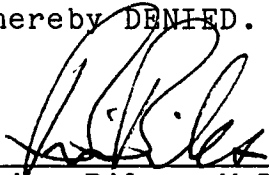
FSL/dlg

IN THE MATTER OF * BEFORE A HEARING EXAMINER
CHRISTOPHER AND DEBORAH COONEY * OF THE DEPARTMENT OF
DENIAL OF WELL PERMIT * HEALTH AND MENTAL HYGIENE
HOWARD COUNTY * HEARING OFFICE DOCKET NO.
* 84-E-100

* * * * *

ORDER

Based upon the Finding of Facts, Conclusions of Law,
and Recommendation, of the Hearing Examiner, it is this 26th
day of September, 1984, ORDERED that the request for a
waiver of the provisions of COMAR 10.17.13 in order to construct
a well and a dwelling at the Cox property, Lot 7-B, Four Wheel
Drive, Howard County, be and it is hereby DENIED.

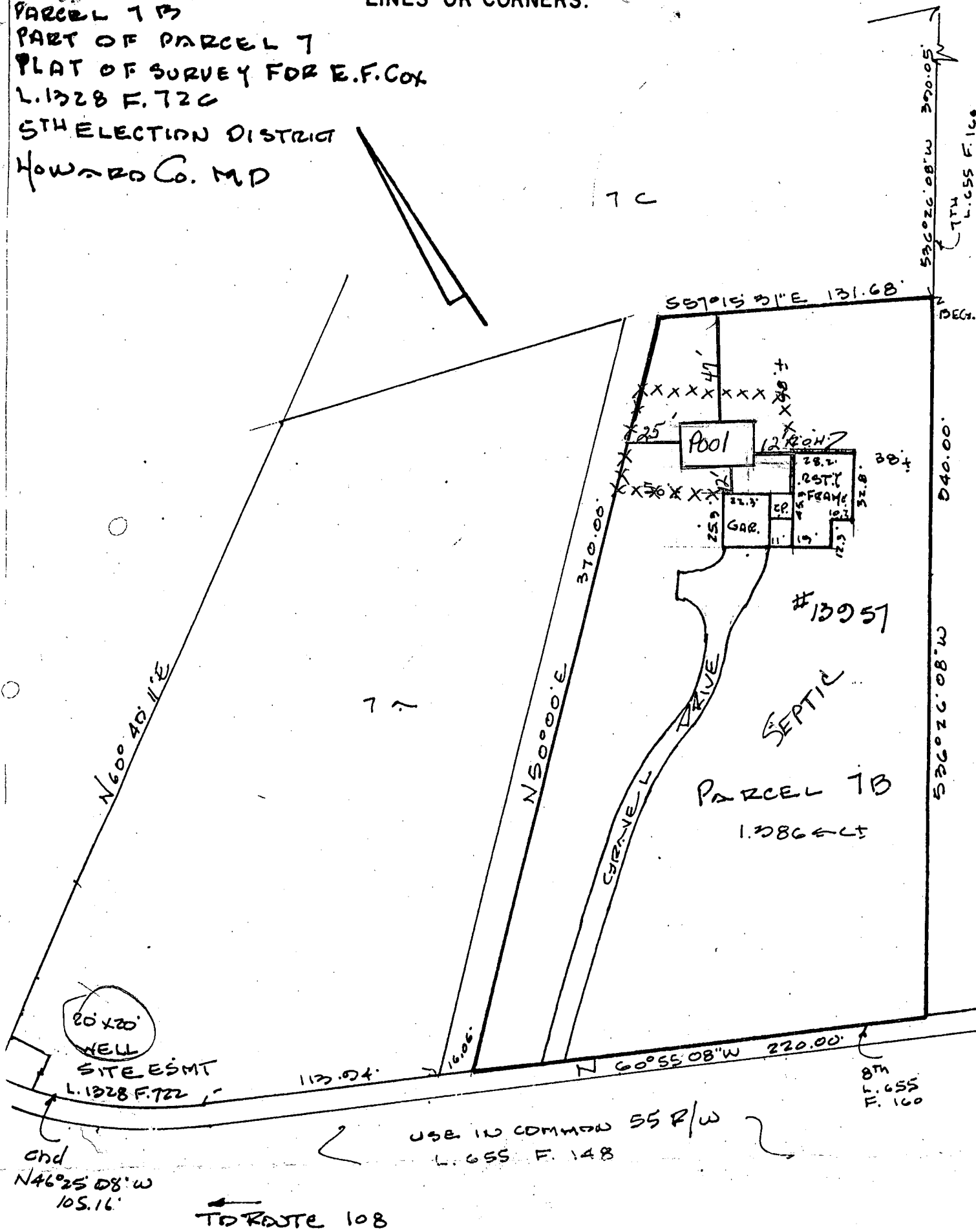


Brian Biles, M.D.
Deputy Secretary

Property known as:

PARCEL 1B
PART OF PARCEL 7
PLAT OF SURVEY FOR E.F. COX
L. 1328 F. 720
5TH ELECTION DISTRICT
HOWARD CO. MD

THIS PLAT CAN NOT BE USED TO ESTABLISH PROPERTY
LINES OR CORNERS.



LOCATION SURVEY PLAT

CERTIFICATION

This is to certify that I have surveyed
the property known as: 13957
ROUTE 108

for the purpose of locating the im-
provements thereon, and the improvements
are located as shown.

SEAL



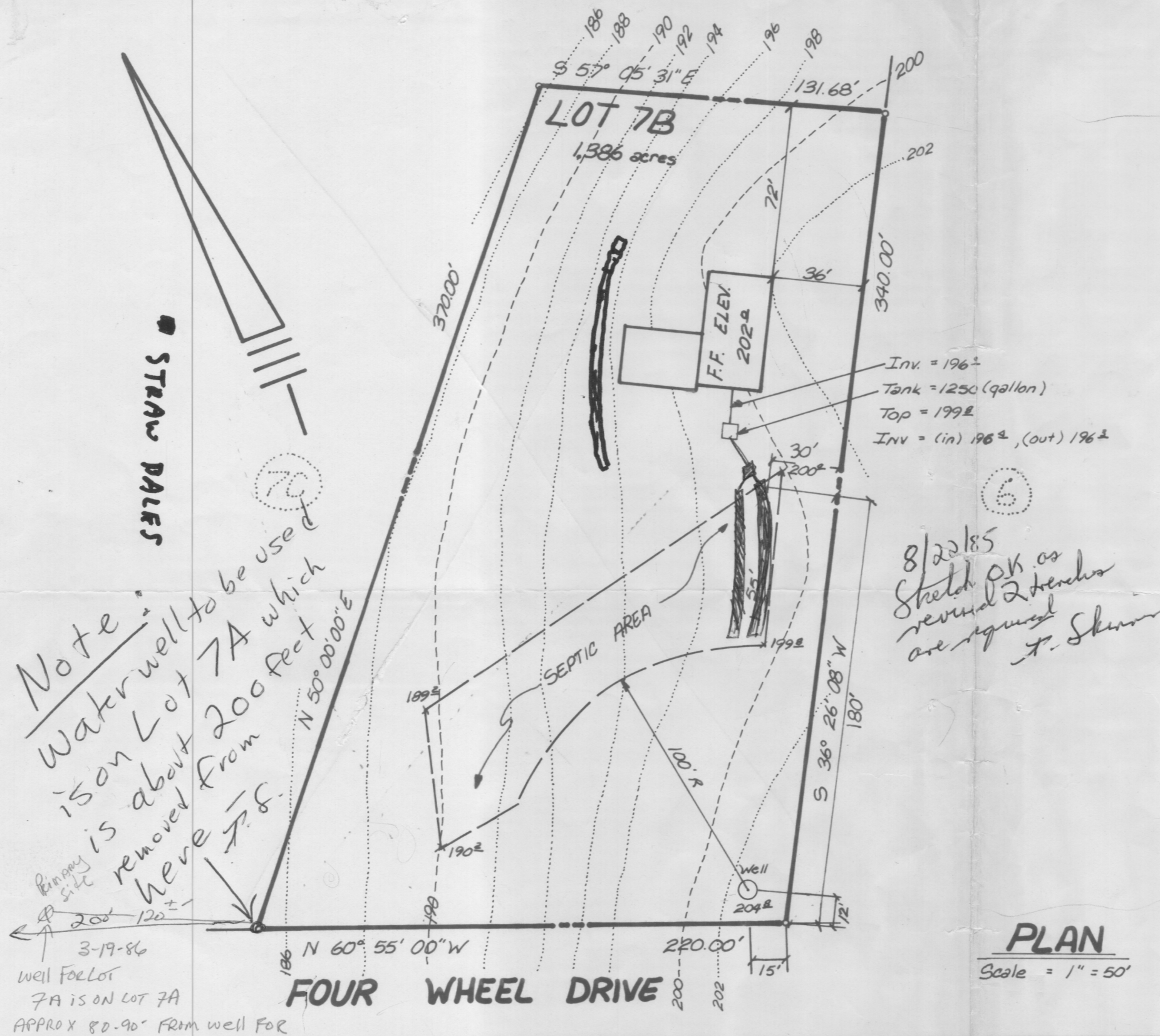
SCALE 1" = 60' DATE 1-10-1987

PHONE
828-9060 TOWSON
730-9060 COLUMBIA

HUDKINS ASSOCIATES, INC.
Surveyors and Subdivision Designers

SUITE 231, JOSEPH SQUARE
5485 HARPERS FARM ROAD
WALTER PARK, L.S. COLUMBIA, MARYLAND 21044
5539

Cooney - Howard Co



PLAN
Scale = 1" = 50'

SEPTIC INFORMATION

INV @ HOUSE = 196.2
 INV @ TANK (in) = 196.4 / 196.2 (out)
 INV @ DRAINFIELD = 195.2
 55' - DRAINFIELD REQ'D/PROVD
 TRENCH = 2' WIDE, INLET = 4' BELOW GRADE
 BOTTOM OF TRENCH = 6' STONE BELOW PIPE

8/22/85
Sketch OK as
revised 2 trenches
are required
- J. Skinner

Approved for private water and private sewage systems. Howard County Health Department.

Date _____

Howard County Health Officer

I certify that the perc test holes were field located.

Jefferson D. Lawrence
 Jefferson D. Lawrence
 MD. REG. PLS # 5216

| | | | | |
|--|---|---|---|--|
| <p>Owner: LOT 7B LOCATED ON 7A. Subd Christopher Cooney 19413 St. Johnsburg La. Germantown, Md. 20874 (H) 972-0913 (O) 946-6510</p> | <p>DEVELOPMENT CONSULTANTS GROUP, INC.</p> <p>17904 GEORGIA AVENUE OLNEY, MARYLAND 20832 (301)-924-4570</p> | <p>SITE DEVELOPMENT PLAN LOT 7B</p> <p>COONEY PROPERTY 5th Election District Howard County, Maryland</p> | <p>DATE Aug. 1985</p> <p>DRAWN M.K.M.</p> <p>CHECKED B.A.</p> <p>SCALE 1" = 50'</p> | <p>SHEET 1 OF 1 PROJECT NO. 21 - 275</p> |
|--|---|---|---|--|