

3/25/94
CMTS

4/28/94
C.O.
3.0

PERMIT

SEWAGE DISPOSAL SYSTEM

P 49763

A 48429

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

DISTRICT 5th

4/5/94

4/19/94 ANTINE

05-415896

DATE 11/23/93

HOWARD COUNTY HEALTH DEPARTMENT

DATE SYSTEM APPROVED 4/19/94

BUREAU OF ENVIRONMENTAL HEALTH
~~XXXXXX~~ 313-2640

INSPECTOR [Signature]

INDEXED

Donald I. Oliver

IS PERMITTED TO INSTALL ALTER FAX

ADDRESS 7133 Deer Valley Road, Highland, Maryland 20777 PHONE 854-0009

410-
531-2603

SUBDIVISION Cissel Farms LOT 7A ROAD 7011 Deer Valley Road

PROPERTY OWNER Carolyn Bader

ADDRESS _____

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

214
870
280
31240
6
240

210 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 280

TRENCHES - Trench to be 3 feet wide. Inlet 4 feet below original grade. Bottom maximum depth 6 feet below original grade. Effective area begins at 4 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Place the distribution box 115 feet from the front lot line and 115 feet from the right lot line. Run trenches along contour toward right side of lot.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. 1/14/93 RH

PLANS APPROVED BY C. Williams DATE 10/19/92

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.

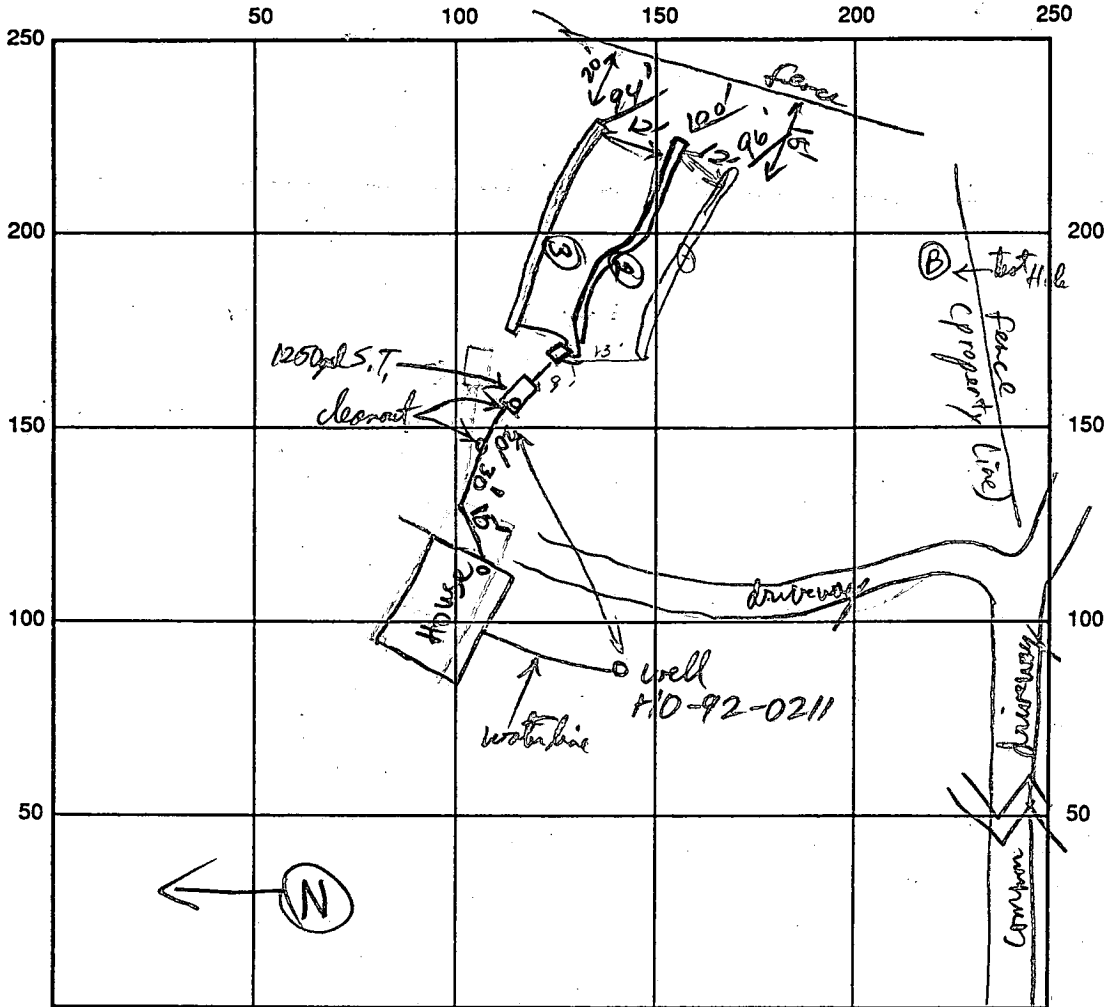
NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEM.

A
48429

UB30



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

Deer Valley Rd

SEPTIC TANK LEVEL 1250 gal CLEANOUTS _____

DISTRIBUTION BOX LEVEL DK baffle 15 in

DRAIN FIELD/TITLE DEPTH 6 FT. TRENCH WIDTH 3 FT. INLET DEPTH 4 FT.

EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH 96' / 100' / 94' = 290' F.

NUMBER OF TRENCHES 3 ~~ONE SIDEWALL~~ / BOTTOM AREA 870 SQ. FT.

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

ABSORBENT AREA _____ SQ. FT.

REMARKS: Septic Tank placement OK. Need gravel or stone dust under portion of Schedule 40
pipe between Hse & S.T. not resting on consolidated soil. 3/25/94 RPP Hse connection made
Cleanout inside basement - OK to cover supply line & septic tank w/ stone gravel (1/2") under entire length of supply pipe. RPP 4/15/94
4/8/94 Trench #1 OK to fill w/ stone dust. last trenches, d.b. OK to cover system RPP 4/19/94

WPI - fitness check + water line OK @ 3 1/2" RPP 4/15/94

DATE SYSTEM APPROVED 4/19/94 INSPECTOR RPP

8/28/92
10:00

APPLICATION

PERCOLATION TESTING

A 48429

P _____

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

8-492 Preview ok. Non
wet-season. JEN
EXISTING LOT OF RECORD
NOT PART OF 7.

DISTRICT _____

DATE Aug 13 1992

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

NOTE TO INSPECTOR:
TECHNICALLY THIS IS NOT SUBDIVISION BUT
CHECK EXISTING WELLS & SEPTIC ON LOT 7

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM. (C) APPLICANT REPORTS WELL SHOWS IS NOT IN SERVICE (D) 1990 REPAIR PERMIT - NO ACTIVITY.

PROPERTY OWNER CAROLYN BADER

ADDRESS 7009 DEER VALLEY ROAD PHONE 854-0083
HIGHLAND, MD 20777

AGENT OR PROSPECTIVE BUYER DONALD I. OLIVER

ADDRESS 7133 DEER VALLEY ROAD, HIGHLAND PHONE 854-0009
MD

PROPERTY LOCATION:

SUBDIVISION CISSEL FARMS LOT NO. 7-A

ROAD AND DESCRIPTION 7011 DEER VALLEY ROAD - PRIVATE DRIVEWAY ADJACENT
TO LOT 7 AND 37

TAX MAP 40 PARCEL # 2202

BLDG. PERMIT SIGNED
AND RETURNED 12/01/92

SIZE OF LOT 1.7956 TYPE BLDG. SINGLE FAMILY DWELLING
(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. Donald I. Oliver
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING _____

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

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

THIS IS NOT A PERMIT

A48429

COUNTY #

SOIL PROFILE

0'
 21'
 32'
 14'

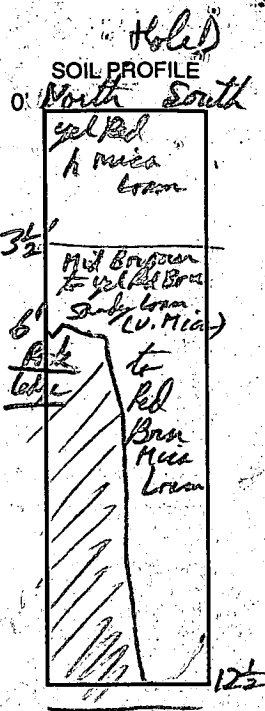
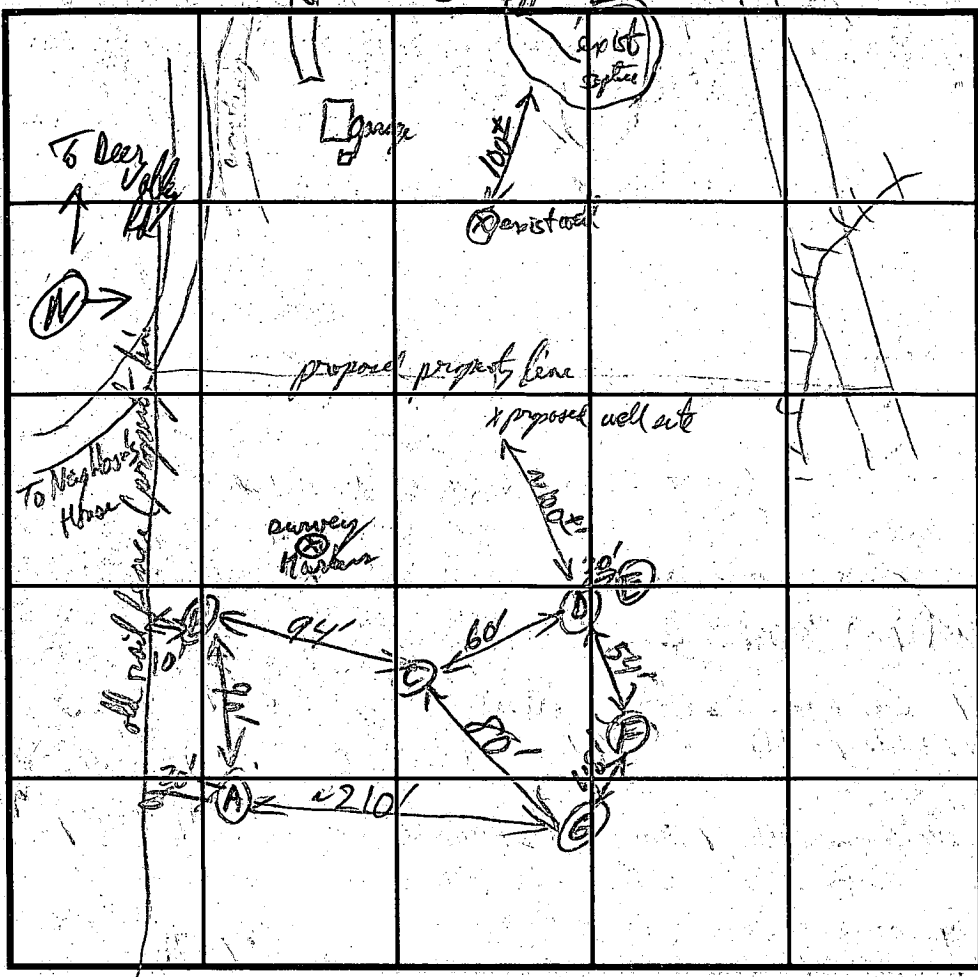
YR/Brown
 25YR5/6
 h loam (s)
 reddish yellow
 2.5% clay
 h loam - loam
 porous
 v. micaceous
 reddish yellow
 20YR 5/6 - 4/6
 light mica
 loam

3 1/2'
 6'
 12 1/2'

YR/Brown
 (2.5YR5/6)
 h loam
 [3-2m s s s]
 silty (bluish)
 to 6 ft
 (25% silt/clay)
 in situ h
 to light loam
 lt mica
 loam as
 @ hole A

2 1/2'
 8'

h Brown h loam
 Red Brn
 Sandy loam
 (Clay 15%)
 white
 to cream
 colored
 med. Sandy
 loam to
 heavy
 silty
 content



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
8/28/92	A	m @ 4'	11:24:56	11:30:30	11:30:30	11:38:00	8 mins
		v @ 7'	11:25:14	11:30:50	11:30:50	11:38:30	8 mins
	B	@ 3 1/2'	12:02:05	12:08:00	12:08:00	12:18:13	10 mins
		@ 8 1/2'	12:00:36	12:01:10	12:01:10	12:01:52	2 1/2 mins
			12:05:14	12:07:55			
	C	v @ 12 1/2'	(25% Rock @ 3 1/2' - 5 1/2' ft) No Rock below				
	C	@ 4'	12:52:09	1:16:30	1:16:30	2:14:30	60 min
		@ 8' v @ 13'	12:53:18	12:54:00	12:54:00	12:55:50	2 mins
	F	@ 4'	1:15:16	1:20:00	1:20:00	1:29:10	9 mins
		@ 9'	1:20:00	1:20:36	1:20:36	1:21:19	1 min
		v @ 14'	1:23:03	1:28:57	1:28:57	1:30:10	
			OK				

REMARKS: looks like stones and Quartz intrusions, singular in bet 1-2' thick

TYPE OF SOIL: Minor Series

TESTED BY: R.J. Pinkley

ALSO PRESENT: Mr. Olmick

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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

APPLICATION

PERCOLATION TESTING

A A 48429

P _____

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

DISTRICT _____

DATE _____

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 Carolyn & Bolen

ADDRESS 7009 Deer Valley Rd PHONE _____
Highland

PROSPECTIVE BUYER Donald T. Oliver

ADDRESS 2133 Deer Valley Rd PHONE _____

PROPERTY LOCATION:

SUBDIVISION Aisrel Farms LOT NO. DA

ROAD AND DESCRIPTION _____

TAX MAP 40 PARCEL # 202

SIZE OF LOT 1.79 Acres TYPE BLDG. SFD
(SINGLE FAMILY DWELLING OR COMMERCIAL)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT.

(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

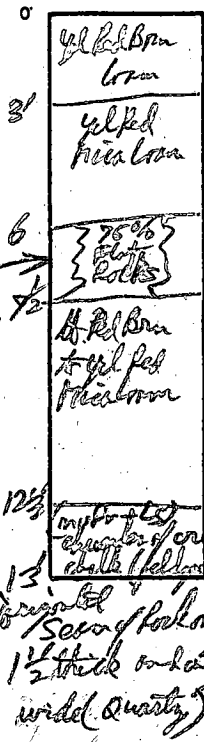
REASONS FOR REJECTION OR HOLDING _____

HD-216

THIS IS NOT A PERMIT

Hole 6

SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
8-28-92	G	@ 4 1/2'	1:59:25	2:03:05	2:03:05	2:08:16	5 min	
		v 13'						
	D	@ 3 1/2'	1 1/2" @ 2:11		2:16:31	2:20:48	4 min	
		Rocks @ 6ft North side / 12 1/2' No Rock on South side						
	(E)	Not Viewed - Backfilled because of large Rocks						

REMARKS _____

TYPE OF SOIL Major

TESTED BY R. Pinkley ALSO PRESENT Mr. Oliver

B 1 **1472** SEQUENCE NO. (DP USE ONLY)
1 2 3 4 5 6
(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

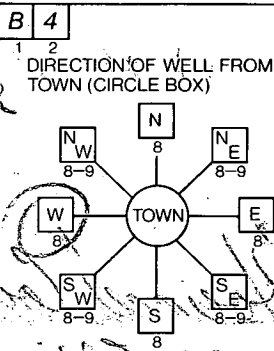
STATE OF MARYLAND
APPLICATION FOR PERMIT TO DRILL WELL
please print or type

STATE PERMIT NUMBER
40-92-0211
70 fill in this form completely 79

Date Received (APA) **092292**
OWNER INFORMATION
OLIVER DON
15 Last Name 34 Owner First Name
7133 DEER VALLEY RD
36 Street or RFD 55
HIGHLAND **MD20777**
57 town 70 State 72 Zip 76

B 3 LOCATION OF WELL **R 48534**
1 2 **HOWARD**
8 COUNTY 21
CISSEL FARMS
23 SUBDIVISION
SECTION **7-A** LOT 48 50
HIGHLAND
52 NEAREST TOWN
MILES FROM TOWN (enter 0 if in town) **1** MI
73 76 77 78

DRILLER INFORMATION
AUSTIN GARVER **144**
Driller's Name License No. 80
Kemper-Danner Well Drilling
Firm Name
425 BRADDO RD
Address
Austin Garver **9/21/92**
Signature Date



DEER VALLEY RD
11 NEAR WHAT ROAD 30
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
NORTH N
WEST W 32 EAST E
SOUTH S
0450
34 **0450** 37
DISTANCE FROM ROAD
ENTER FT or MI **FT**
38 39

B 2 WELL INFORMATION
1 2 APPROX. PUMPING RATE (GAL. PER MIN.) **2**
8 12
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) **800**
14 20

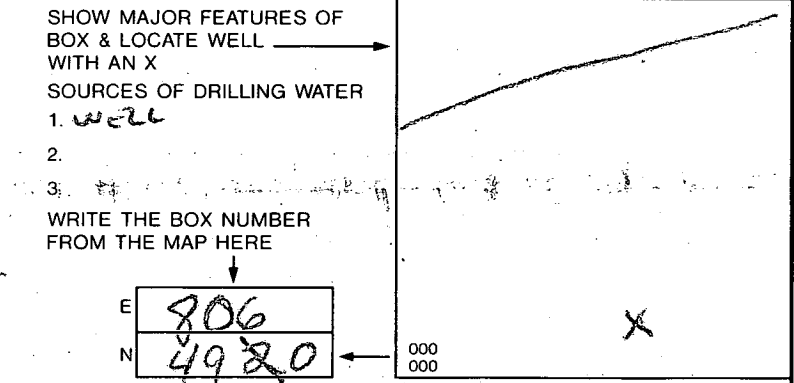
NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
Howard
COUNTY NAME COUNTY NO.
STATE SIGNATURE INSERT S 41
DATE ISSUED **4/19/93**
43 48 CO SIGNATURE EXP. DATE
NORTH GRID **490000** EAST GRID **0806000**
50 55 57 63

USE FOR WATER (CIRCLE APPROPRIATE BOX)
 D HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)
 F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
 I INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT)
 P PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL)
 T TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)

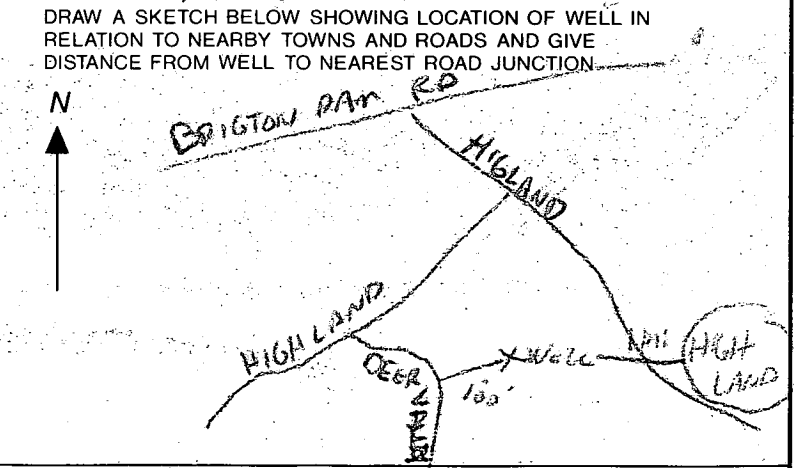
APPROXIMATE DEPTH OF WELL **400** FEET
24 28

APPROXIMATE DIAMETER OF WELL **6** INCH

METHOD OF DRILLING (circle one)
BORED (or Augered) JETTÉD Jettéd & DRIVEN
30 AIR-ROTary AIR-PERCussion ROTARY (Hydraulic Rotary)
37 CABLE REVERSE-ROTary DRIVE-POINT
other



REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)
 N THIS WELL WILL NOT REPLACE AN EXISTING WELL
 Y THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED.
39 S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY
 D THIS WELL WILL DEEPEM AN EXISTING WELL
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 _____ 52



Not to be filled in by driller (OEP USE ONLY)
APPROP. PERMIT NUMBER _____ GAP _____
54 63
FORCE **W** WRITE INITIALS IN BOX PERMIT No. **40-92-0211**
67 68 70 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS

C1 6782 SEQUENCE NO. (DENV USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.

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

COUNTY NUMBER A 48429

ST/CO USE ONLY DATE Received

DATE WELL COMPLETED

Depth of Well (TO NEAREST FOOT) 300

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-92-0211

OWNER Oliver Donald last name first name TOWN Highland STREET OR RFD Deep Valley Rd SUBDIVISION Ciesel Farms SECTION LOT 7A

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), Check if water bearing. Includes handwritten entries: OVERBURDEN 0' 31', SLATE + SANDSTONE WITH WATER AT 245' 4' GPM, SLATE + SANDSTONE 245' 305'.

GROUTING RECORD: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL CEMENT (CM), BENTONITE CLAY (BC), NO. OF BAGS 15, NO. OF POUNDS 1,910, GALLONS OF WATER 40, DEPTH OF GROUT SEAL 92 ft.

CASING RECORD: casing types insert appropriate code below (ST, CO), MAIN CASING TYPE (ST), Nominal diameter top (main) casing 6 inches, Total depth of main casing 40 feet.

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

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

DEPTH (nearest ft.) table with handwritten values: HO 40, 300.

SLOT SIZE 1, 2, 3, DIAMETER OF SCREEN (NEAREST INCH) table.

CIRCLE APPROPRIATE LETTER A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED, E ELECTRIC LOG OBTAINED, P TEST WELL CONVERTED TO PRODUCTION WELL.

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT...

DRILLERS IDENT. NO. DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

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

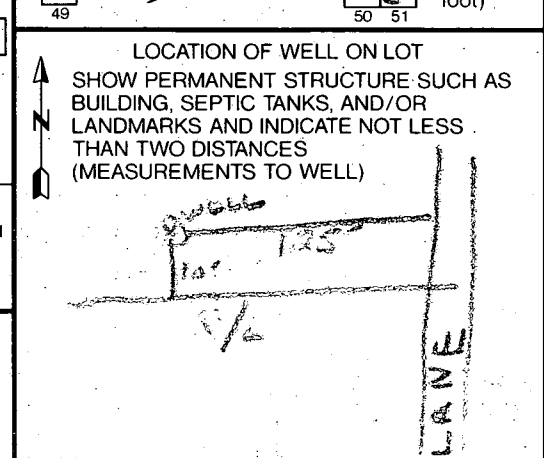
GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

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

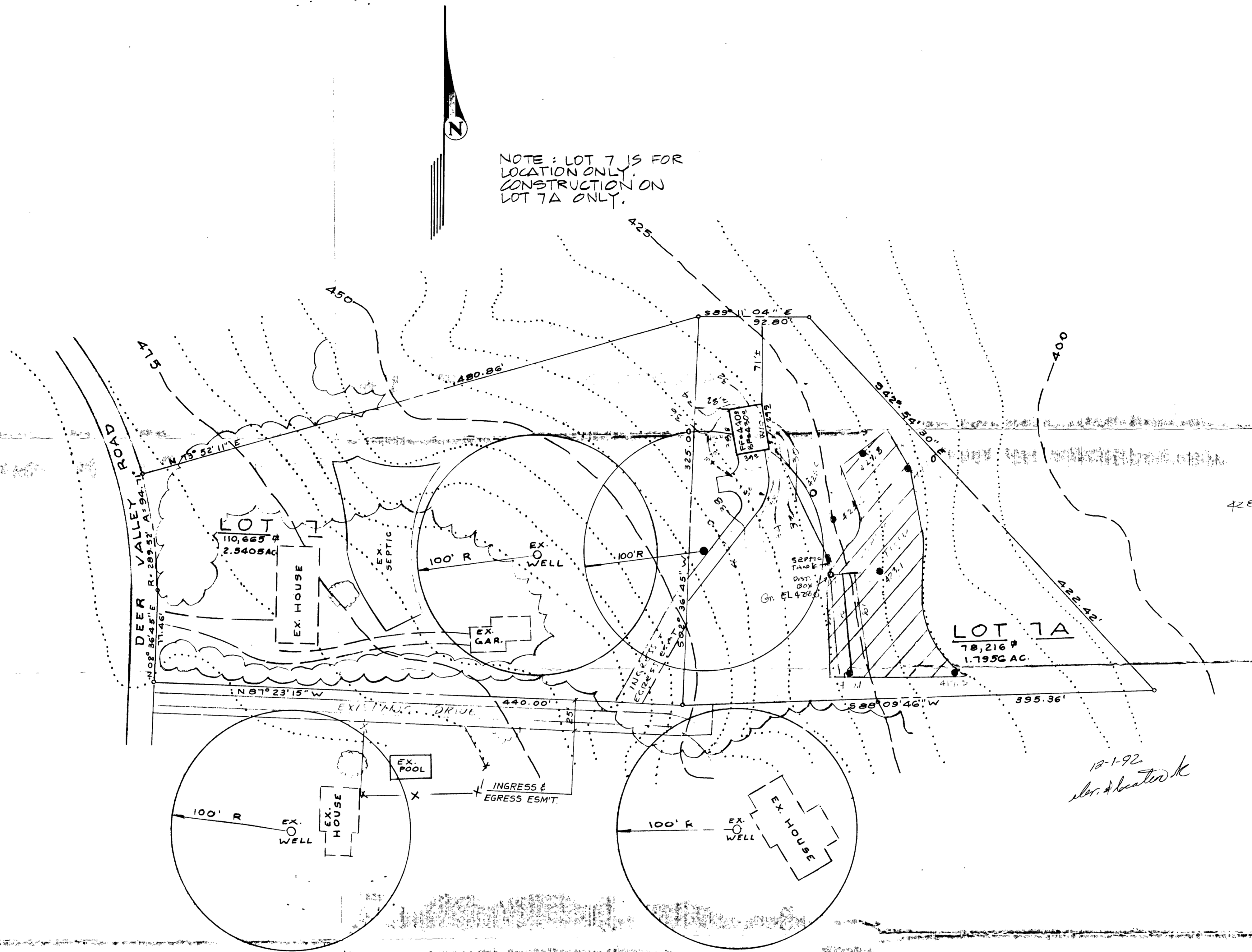
TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMPING TEST: HOURS PUMPED (nearest hour) 3, PUMPING RATE (gal. per min. to nearest gal.) 4, METHOD USED TO MEASURE PUMPING RATE BUCKET, WATER LEVEL (distance from land surface) BEFORE PUMPING 35, WHEN PUMPING 177, TYPE OF PUMP USED (for test) S submersible.

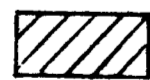


PUMP INSTALLED: DRILLER WILL INSTALL PUMP YES (NO), TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX - SEE ABOVE: CAPACITY: GALLONS PER MINUTE (to nearest gallon), PUMP HORSE POWER, PUMP COLUMN LENGTH (nearest ft.), CASING HEIGHT (circle appropriate box and enter casing height) + above, LAND SURFACE (nearest foot) 2.



NOTE: LOT 7 IS FOR LOCATION ONLY. CONSTRUCTION ON LOT 7A ONLY.



LEGEND

-  This area designates a private sewage easement of a minimum of 10,000 sq. ft. as required by Maryland State Department of Health and Mental Hygiene for individual sewage disposal.
-  Passed percolation test with existing grade elevation 487.8
-  Failed percolation test with existing grade elevation 476.9

WELL & SEPTIC DATA

DESCRIPTION	ELEVATION
Well	443.2
Septic Tank:	
top	428.2
inv. in:	426.2
inv. out:	425.8
House	
fin. fl.:	440.0
bsmt. fl.:	430.0
inv. out:	428.8
Distribution Box:	
inv. in:	429.3
inv. out:	428.2
inv. trench:	424.2

*12-1-92
Sbr. & located K*

Owner/Developer:
CAROLYN L. BADER
1009 DEER VALLEY ROAD
HIGHLAND, MD 20777
301-854-0083

NO.	REVISIONS	DATE



DEVELOPMENT CONSULTANTS GROUP, INC.

17904 GEORGIA AVENUE # 102
OLNEY, MARYLAND 20832
301-924-4570

APPROVED BY
DEPARTMENT OF
SEWAGE SYSTEM
HOWARD COUNTY

SITE DEVELOPMENT
LOT 7A
CISSEL FARM
FIFTH E
HOWARD COUNTY