

5 NOV 1990 AM
(11/17/90 6:00 AM / C.B. CID)
11-13-90 12 noon
7-19-90 A.M.
A.S.A.P.

03-289168 (Need to see pumps work before) 11/5/90 P.C.O. - Tanks ready
PERMIT approved file
11/7/90 Not ready P.C.O. 46488
P.M. 11/13/90 P.C.O. C. Bd
A 34787

SEWAGE DISPOSAL SYSTEM
DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

INDEX - TIME EXPIRED
FOR F.C.O.P COMPLIANCE
7/14/93
C. Williams / C. Bd

DISTRICT 3rd
DATE 10/15/90
DATE SYSTEM APPROVED 7/19/91
INSPECTOR C. Bd.

C. S. Zabel, Inc. IS PERMITTED TO INSTALL X ALTER

ADDRESS _____ PHONE 875-2964

SUBDIVISION Greenhenge LOT Parcel 2&3 ROAD 2883 Evergreen Court

PROPERTY OWNER Edward T. Grogan

ADDRESS _____

SEPTIC TANK CAPACITY 1250 GALLONS *** 1000 Gal. Capacity pump tank and dual effluent pumps with alarms required. Contractor to supply pump specification prior to issuance of septic permit.

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 240
TRENCHES - Trench to be 3 feet wide. Inlet 2.5 feet below original grade. Bottom maximum 4 feet below original grade. Effective area begins at 2.5 feet below original grade. 1.5 feet of stone below distribution pipe. 11/2/90 - 17 trench in progress near house. No pipe installed yet.

LOCATION - Place the first trench 1080 feet up the left lot line and 60 feet off the same lot line as seen when facing the lot from Evergreen Way. Run trenches on contour toward the left front corner.

NOTE - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. 10-19-90 JEN

PLANS APPROVED BY C. Williams DATE 10/25/89

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

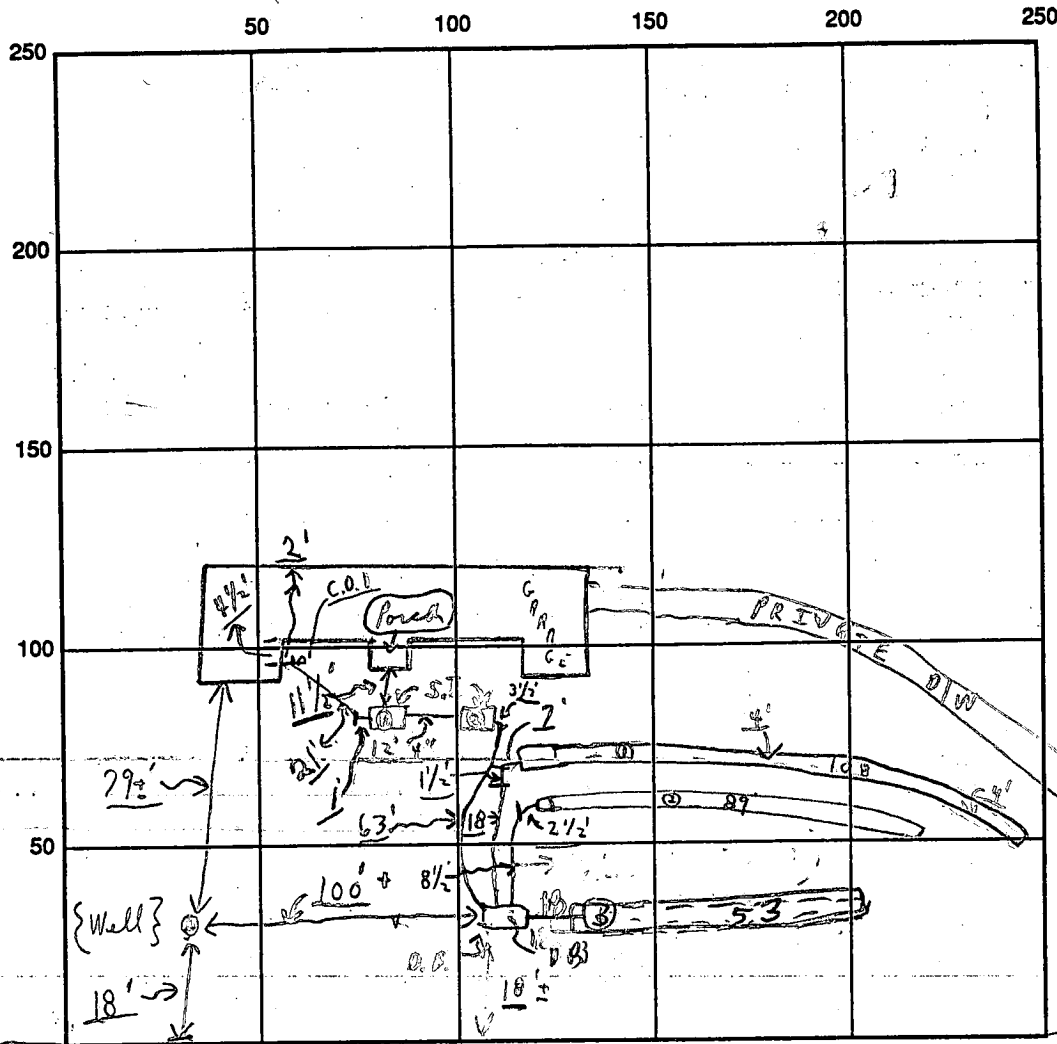
PERMIT VOID AFTER TWO YEARS

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**

A 34787



ROOTER HOOLE

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL OK; OK Private D/W - S.T. | Pump Tank Type yes | C.O.I. OK

DISTRIBUTION BOX LEVEL (Baffle is)

DRAIN FIELD/TITLE DEPTH To Be 4' FT. TRENCH WIDTH To Be 3' FT. INLET DEPTH To Be 2 1/2' FT.

EFFECTIVE GRAVEL DEPTH 1 1/2' FT. TOTAL LENGTH 108 FT. (Need 240) 197

NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA 750 SQ. FT. 43' more as

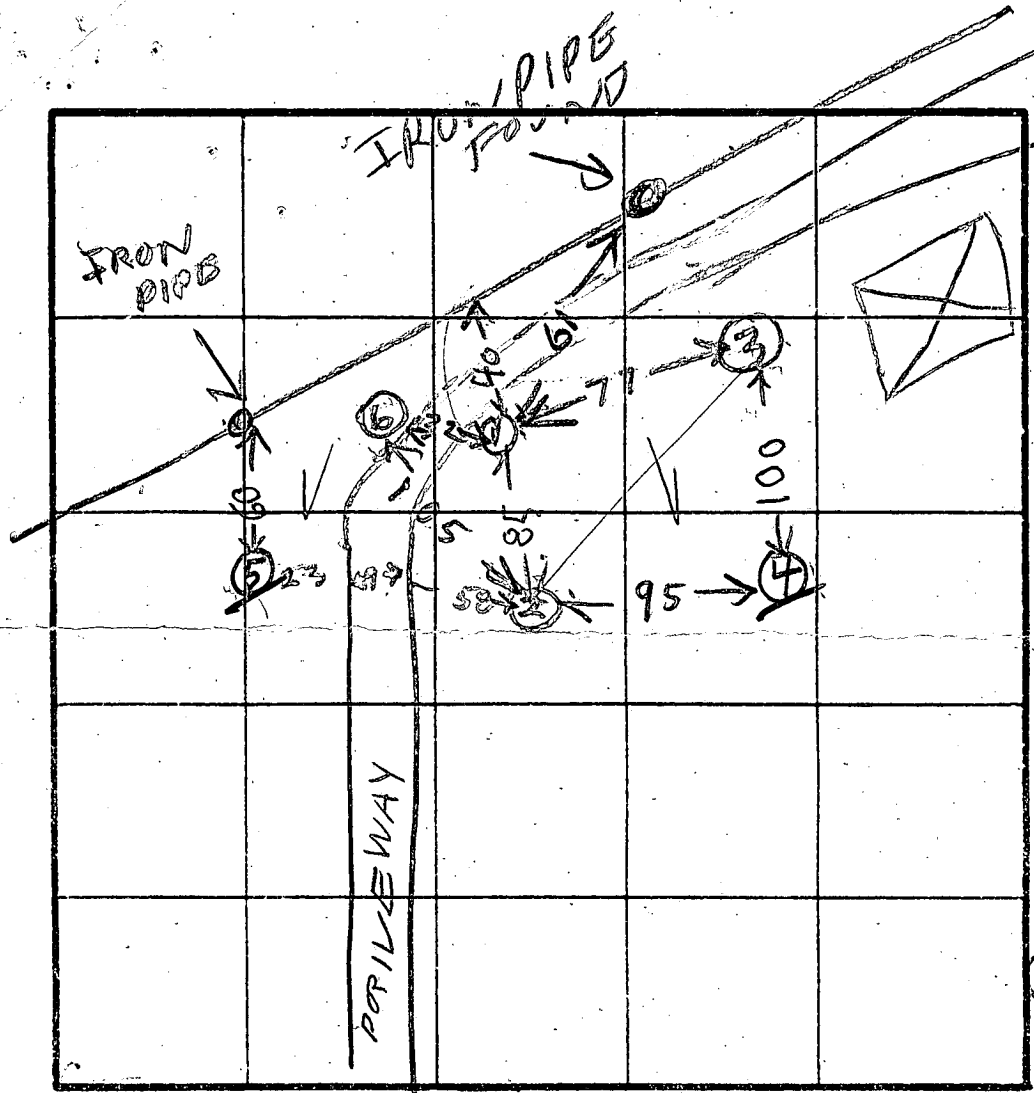
DRYWALL INSIDE DIAMETER — FT. EFFECTIVE DEPTH BELOW INLET 250 Total 4 11/13/90

ABSORBENT AREA — SQ. FT.

REMARKS: 11/5/90 A.M. - Picked no pipe + no trenches today;
(2) S.T.'s in only - oh 11 1/2' from house; ok to continue.
11/7/90 (HOLD FOR A CALL.) - NOT READY TO TRENCH - BEING DUG - ONLY - C.I.B. ✓
P.M. 11/13/90 OK TO COVER #1 → Trench. sheet (has end) ok to
cover #2 trench + back to dist box; ok to cover from house to pump pit
(used + baffle) + from pump pit to D.B. oh.
(11/5/90 W.P.I. A.M. - OK TO COVER ALL WORK - FINAL) 11/13 → Need to
 see work
 DATE SYSTEM APPROVED 7/19/91 INSPECTOR Charles B. Street

see manholes type cleanout at pump pit + election + pump
 working + need to see #3 trench + last 25' ± of #1 trench (see above)

③
SOIL PROFILE
0
TOPSOIL
1
BROWN SAND LOAM
13



⑤
CLAY SAND LOAM
8
WATER
9

⑤ = LOWEST
④ = NEXT LOWEST
② = LOW
⑥③ = HIGHEST
① = NEXT HIGHEST

①②③
TOPSOIL
BROWN SAND LOAM
12

④
CLAY
BROWN SAND LOAM
WATER
10

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4/2/85	1S	3	147	150	150	153	0
	1V	12	LOOKS OK				
	2S	3 1/2	151	152	152	153	1
	2V	12	LOOKS OK				
	3S	2 1/2	201	204	204	207	3
	3V	13	LOOKS OK				
	4S	3	210	211	211	214	0
	4V	10	WATER		9 1/2 FT.		
	5V	9	WATER		UNSATISFACTORY		
	6V	11 1/2	LOOK OK		OK		
						7 1/4	

⑥
TOPSOIL
BROWN SAND LOAM
11 1/2

2
X = 5 min
Inlet = 3.0 ft.
Bottom = 5.0
3 ft wide

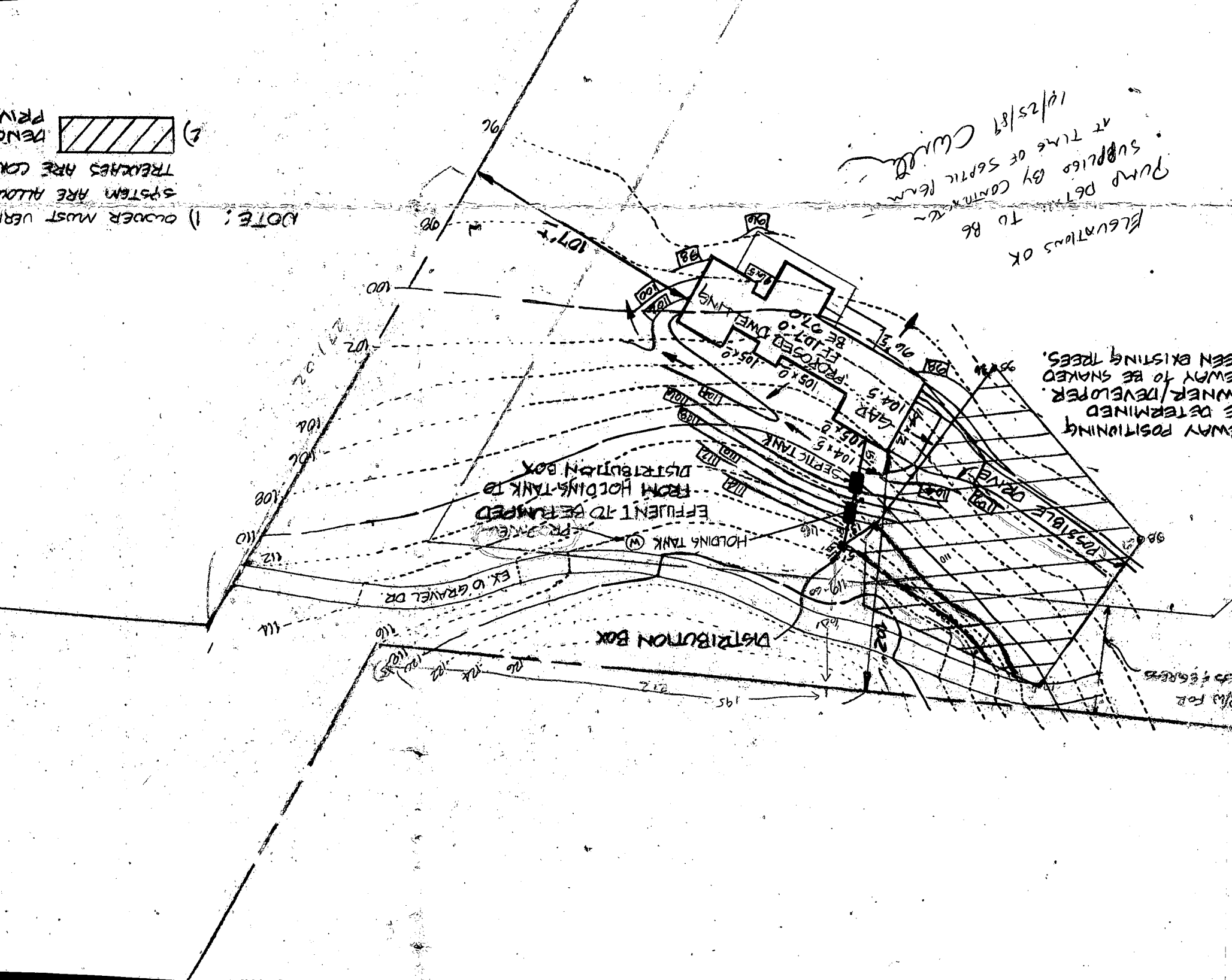
REMARKS _____
TYPE OF SOIL _____
R HODGES
ALSO PRESENT
SKIP MR & MRS GROGAN
OF FLOOR CO

NOTE: 1) ORDER MUST VERIFY SYSTEM ARE ALLOWED TREATERS ARE CONDO PRIND

10/25/89 C. W. D. R.
 PUMP D61 BY CONTINUED TO R6
 AT TIME OF SEPTIC PUMP
 FLEUTIONS OK

BE DETERMINED OWNER/DEVELOPER. VIEW TO BE SNAKED. BEEN EXISTING TREES.

R/W FOR



C 6734 SEQUENCE NO. (DENV USE ONLY)
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

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.
 COUNTY NUMBER **R 34787**

DATE Received [] [] [] [] [] [] DATE WELL COMPLETED **03 23 87** Depth of Well **120** (TO NEAREST FOOT) PERMIT NO. FROM "PERMIT TO DRILL WELL" **HO-88-0410**

OWNER **GROGAN ED AND SON** last name first name
 STREET OR RFD **EVERGREEN COURT** TOWN **WEST FRIENDSHIP**
 SUBDIVISION **GREEN HEDGE** SECTION **2** LOT **2+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		Check if water bearing
	FROM	TO	
Topsoil	0	2	
Br. Shale	2	60	
Br. Slate	60	70	✓
Gray Slate	70	75	
Br. Slate	75	80	
Gray Slate	80	90	
Br. Slate	90	93	✓
Gray Slate	93	107	
Opening	107	112	✓
Gray Slate	112	120	

GROUTING RECORD
 WELL HAS BEEN GROUTED (Circle Appropriate Box) **Y** **N**
 TYPE OF GROUTING MATERIAL
 CEMENT **CM** BENTONITE CLAY **BC**
 NO. OF BAGS **20** NO. OF POUNDS **2000**
 GALLONS OF WATER **100**
 DEPTH OF GROUT SEAL (to nearest foot)
 from **0** ft. to **35** 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) Total depth of main casing (nearest foot)
ST 6 4

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

SCREEN RECORD
 screen type or open hole insert appropriate code below
ST BR HO STEEL BRASS OPEN HOLE
PL OT PLASTIC OTHER

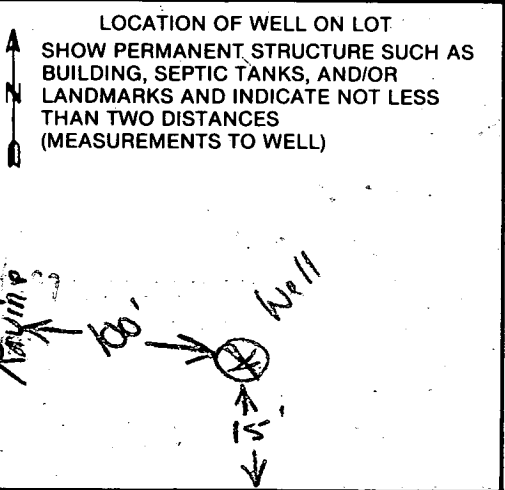
C 2
 DEPTH (nearest ft.)
 EACH SCREEN 1 **HO 80 120**
 2 [] [] [] [] [] [] [] []
 3 [] [] [] [] [] [] [] []
 SLOT SIZE 1 2 3
 DIAMETER OF SCREEN [] [] [] (NEAREST INCH)
 from to

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

DEP USE ONLY (NOT TO BE FILLED IN BY DRILLER)
 T (E.R.O.S.) [] [] [] []
 TELESCOPE CASING LOG INDICATOR OTHER DATA

C 3
PUMPING TEST
 HOURS PUMPED (nearest hour) **3**
 PUMPING RATE (gal. per min. to nearest gal.) **12**
 METHOD USED TO MEASURE PUMPING RATE **direct**
 WATER LEVEL (distance from land surface) BEFORE PUMPING: **19**
 WHEN PUMPING **23**
 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: **29**
 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)
 (-) below }



A 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 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. **40**
George F. Festerday
 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)
W. E. K. RA...
 SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

COUNTY

Drive way