

4/2/88  
ATM 4/2/88  
4/8/88  
12N

# PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY  
BUREAU OF ENVIRONMENTAL HEALTH  
461-9933

03-306022

P 41294

A 28666

DISTRICT 3rd

DATE 3/29/88

DATE SYSTEM APPROVED 6/8/88

INSPECTOR RJH

Barth Construction and Excavating Company IS PERMITTED TO INSTALL X ALTER

ADDRESS PHONE 730-8495

SUBDIVISION Sandy Hill Estates ROAD 2426 Woodstream Ct. LOT 4

PROPERTY OWNER Thomas Miller

ADDRESS

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

GARBAGE GRINDER? YES X NO X

SEPTIC TANK CAPACITY 1000 GALLONS NUMBER OF BEDROOMS 3

TRENCHES - 180 sq. ft. per bedroom. Trench to be 2 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 7 1/2 feet below original grade. Effective area begins at 3 feet below original grade. 4 1/2 feet of stone below distribution pipe.

LOCATION - Place the distribution box 150 feet off the back lot line and 125 feet off the right lot line as seen when facing the property from Woodstream Court. Run trenches along contour toward right lot line.

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

PLANS APPROVED BY C. Williams DATE 10/28/87

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.

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(IES) ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH(IES).

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

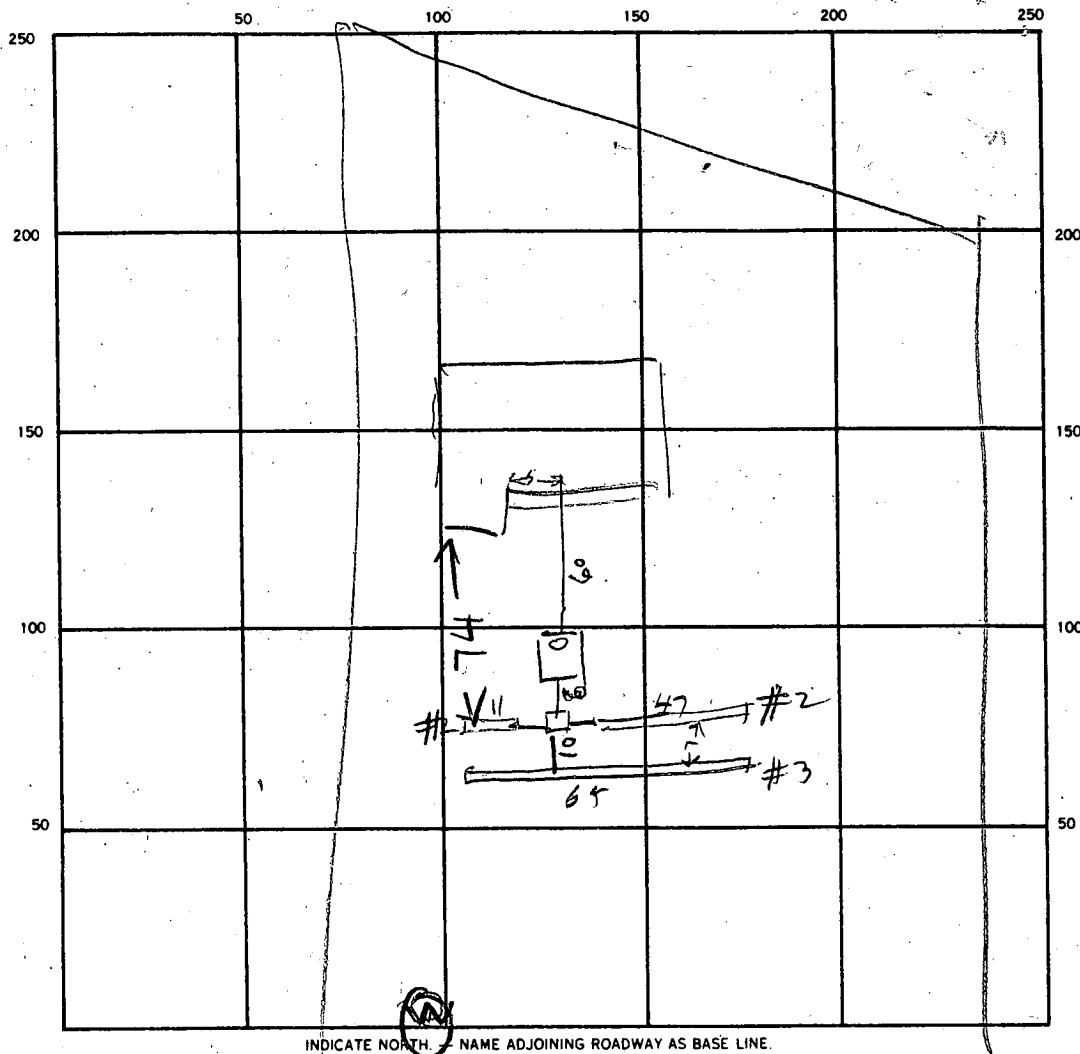
NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES.

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

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

EH - 2-1186

A 28666



SEPTIC TANK. LEVEL OK 1500

CLEANOUTS ST OK

DISTRIBUTION BOX. LEVEL ✓

DRAIN FIELD/TILE FIELD. DEPTH 1 1/2 3

TRENCH WIDTH 2 2 2 FT.

INLET DEPTH 3 3 3 FT.

EFFECTIVE GRAVEL DEPTH 1 1/2 3

FT. TOTAL LENGTH 47 1 65

FT. 123

NUMBER OF TRENCHES 3

ONE SIDEWALL/BOTTOM AREA 615

INSTALL REQUIRED 540 5

DRYWELL INSIDE DIAMETER — FT.

EFFECTIVE DEPTH BELOW INLET — FT.

ABSORBENT AREA 615 SQ. FT.

REMARKS 8/2/88 LOCATION OK PER PLAN TANK OK R/H  
6/1/88 TRENCHES DUG ADD STONE & CALL R/H  
6/2/88 TRENCHES FINISHED

DATE SYSTEM APPROVED 6/18/88

INSPECTOR Raymond Hodger

*Per*

4

# APPLICATION

SEWAGE DISPOSAL TESTING

A 28666

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P

HOWARD COUNTY HEALTH DEPARTMENT  
ENVIRONMENTAL HEALTH SERVICES  
P.O. BOX 476 ELLICOTT, MARYLAND 21043  
TELEPHONE: 992-2330

*Septic Tank - 3 bedrooms - 1000 gal*  
*H " - 1250 gal*

DISTRICT 3rd

*man depth for 3-4 ft 6'*

*Tile field - 1250 gal ft bottom and below*  
*see bedroom installed at depth of 4 ft with*  
*orig grade with 1 ft of stone under pipe*

DATE 8/9/78

*Place tile field in area between 15 ft and 80 ft*  
*from right side and between 150 ft & 165 ft from rear lot line*  
*as seen from the front*

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

*Trenches to follow contour of ground*

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

PROPERTY OWNER Sandy Hill Properties

*Thomas Miller*

ADDRESS

PHONE Mrs. Trager - 992-7100

PROPERTY LOCATION:

SUBDIVISION Sandy Hill Estates

LOT NO.

*10 - New lot 4*

ROAD AND DESCRIPTION Sand Hill Road

*2426*  
*WOODSTREAM CA*

SIZE OF LOT 3 acres

TYPE BLDG. 3 or 4 bedrooms

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.

SIGNATURE OF APPLICANT /s/ Rose Trager

APPROVED BY

*G. Keller*

FOR

*ANY*

DATE

*270278*

REJECTED BY

FOR

DATE

HOLD PENDING FURTHER TESTS

DATE

REASONS FOR REJECTION OR HOLDING

BLDG. PERMIT SIGNED  
AND RETURNED

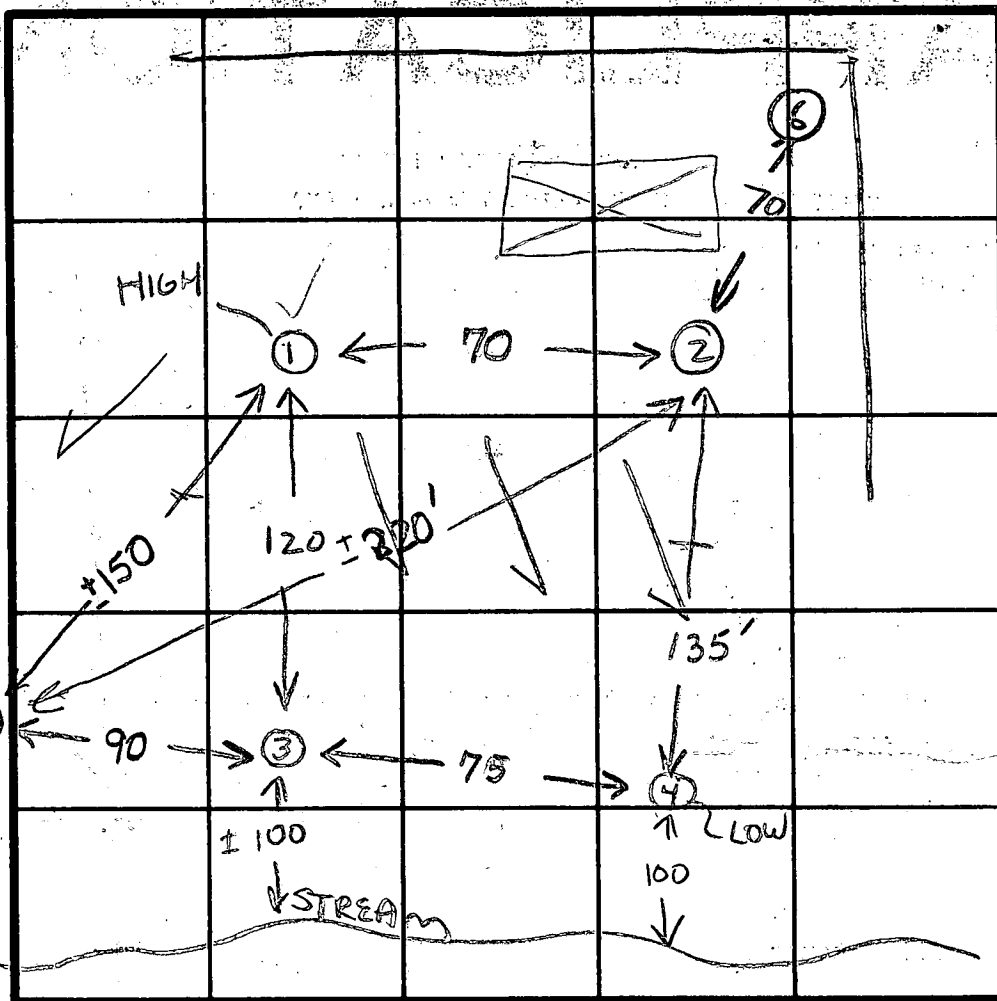
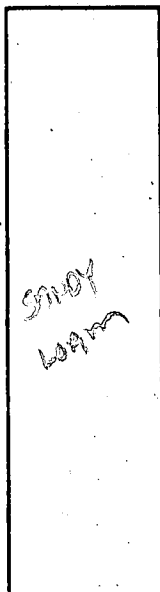
*11/23/84*

*BP 15701*  
*SK*

## THIS IS NOT A PERMIT

10 ④

SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

ALL SAND

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
10/10/78	15	3	330	331	331	332	1
	20-HIGH	12	326	327	327	329	2
	25						
	20-VISUAL	10'	SIMILAR TO		①		
→	35	3'	301			302	30 SEC
	30	12'	259	300	300	301	1
→	45-Low	3	312	314	314	316	2
	40	13 1/2	309	311	311	314	3
→	50 Refill	12'	330	333	333	337	4
	30-Refill	12'	302	304	304	309	5
30 MAR 79	55	4	1019	1020	1020	1022	2
	50	13 1/2	1020	1022	1022	1028	6
7/86	6	3/8	VISUAL	LOAM	OK	3-12'	
		12	HAND	BOTTOM	AT 12'		
	RE-TEST TO ALLOW LOWER WELL SITE WHICH						

Aug 2.3  
Inlet 3  
MAY 11

REMARKS

HEAVY WOODS/UNDERBRUSH - tests by stakes

TYPE OF SOIL

ALL SAND - LITTLE OR NO CLAY

TESTED BY

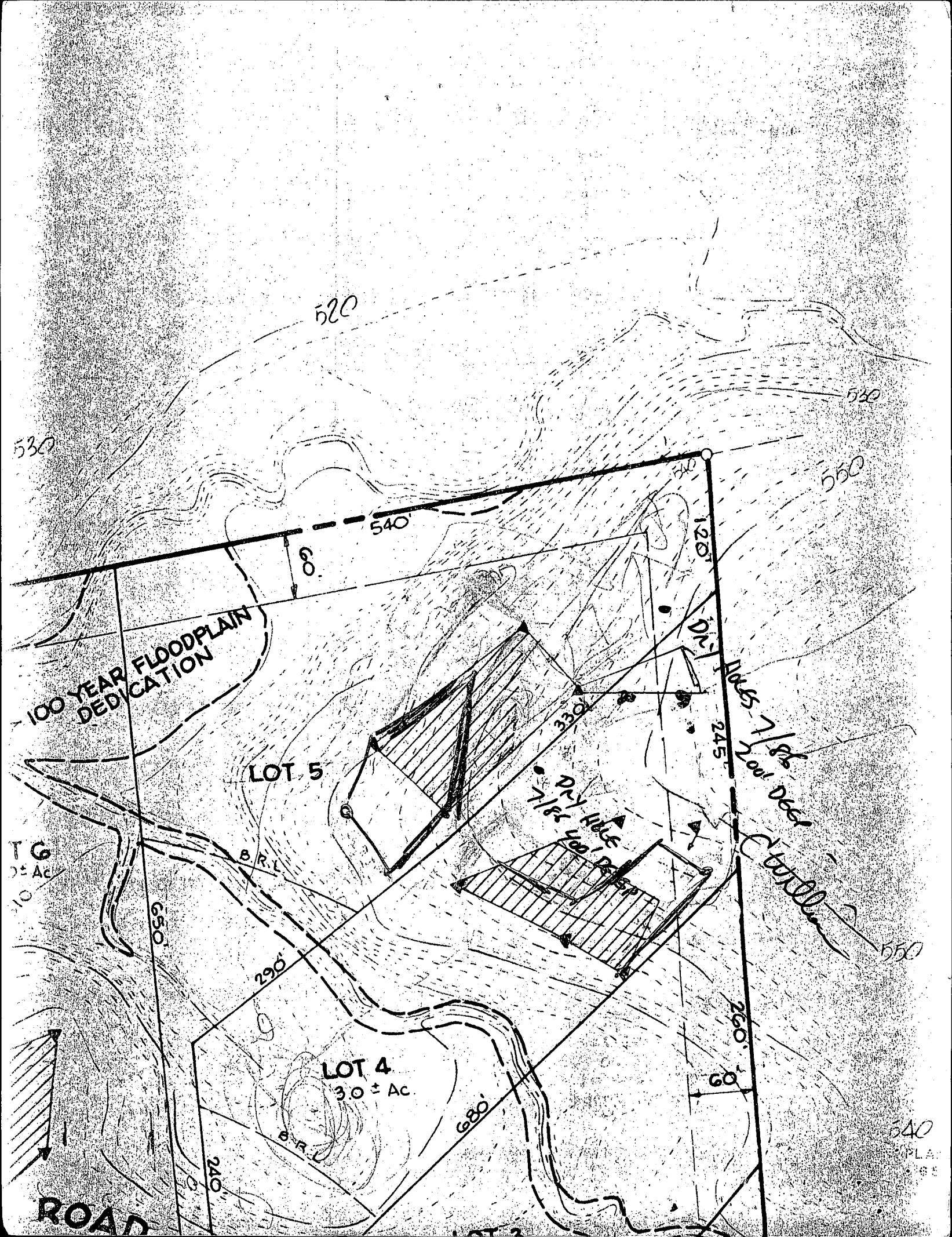
GER

ALSO PRESENT

P. Tager

TURNED UP DAY 7/86 400' DEEP CULVERT





B 1 2381

SEQUENCE NO.  
(OEP USE ONLY)STATE OF MARYLAND  
PERMIT TO DRILL WELL

OEP PERMIT NUMBER

HC-81-1457

fill in this form completely

(THIS NUMBER TO BE PUNCHED  
IN COLS. ON ALL CARDS)

please print or type

Date Received

1	2	3	4	5	6

## OWNER INFORMATION

15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
F	A	L	I	N															

36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
1	0	3	8	4															

57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76
E	L	L	I	C	O	T													

## DRILLER INFORMATION

77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96
S	A	N	D																

97	98	99	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16
G	.	E	N	G	A	R													

17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
1	2	4	7																

37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
S	a	n	d																

57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76
4	-	1	5	-	8	6													

## WELL INFORMATION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
A	P	P	R	O	X														

21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
7	5	0																	

## USE FOR WATER (CIRCLE APPROPRIATE BOX)

- ☒ HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)
- ☐ FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
- ☐ INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT)
- ☐ PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL)
- ☐ TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)

24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43
2	0	0																	

44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63
6																			

## METHOD OF DRILLING (circle one)

- ☒ BORED (or Augered) ☒ JETTED ☐ Jettied & DRIVEN
- ☐ AIR-ROTARY ☒ AIR-PERCUSSION ☐ ROTARY (Hydraulic Rotary)
- ☐ CABLE ☒ REVERSE ROTARY ☐ DRIVE-POINT
- other \_\_\_\_\_

REPLACEMENT OR DEEPEMED WELLS  
(CIRCLE APPROPRIATE BOX)

- ☒ THIS WELL WILL NOT REPLACE AN EXISTING WELL
- ☐ THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED
- ☐ THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY
- ☐ THIS WELL WILL DEEPEN AN EXISTING WELL
- PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) \_\_\_\_\_

Not to be filled in by driller (OEP USE ONLY)

54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73
A	P	P																	

67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86
H	P	-	8	1	-	1	4	5	7										

SPECIAL CONDITIONS

B 3

## LOCATION OF WELL

8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
H	O	W	A	R	D														

28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47
S	A	N	D																

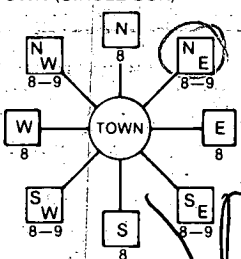
48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67
2																			

68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87
W	E	S	T																

88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05	06	07
2																			

108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127
2																			

B 4

DIRECTION OF WELL FROM  
TOWN (CIRCLE BOX)

11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
W	O	O	S	T	R	E	A	M											

31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
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51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70
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71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
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91	92	93	94	95	96	97	98	99	00	01	02	03	04	05	06	07	08	09	10
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111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130
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131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150
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151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170
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171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190
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191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210
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211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230
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231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250
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251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270
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271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290
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291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310
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311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330
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331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350
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351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370
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<b>C1</b> <span style="font-size: 24pt; font-weight: bold;">00515</span> <small>(THIS NUMBER IS TO BE PUNCHED IN COLUMNS 3-6 ON ALL CARDS)</small>	SEQUENCE NO. <small>(OEP USE ONLY)</small>	<b>STATE OF MARYLAND</b> <b>WELL COMPLETION REPORT</b> FILL IN THIS FORM COMPLETELY PLEASE PRINT OR TYPE	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.  COUNTY NUMBER <span style="font-size: 24pt;">A 28666</span>
DATE Received <span style="border: 1px solid black; padding: 2px;">8   13</span>		DATE WELL COMPLETED <span style="border: 1px solid black; padding: 2px;">07   16   86</span>	
		Depth of Well <span style="border: 1px solid black; padding: 2px;">250</span> (TO NEAREST FOOT)	
OWNER <span style="font-size: 24pt;">FALIN</span>		PERMIT NO. FROM "PERMIT TO DRILL WELL" <span style="border: 1px solid black; padding: 2px;">40-81-1457</span>	
STREET OR RFD <span style="font-size: 24pt;">WOODSTREAM CT.</span>		TOWN <span style="font-size: 24pt;">WEST FRIENDSHIP</span>	
SUBDIVISION <span style="font-size: 24pt;">SANDY HILL ESTATES</span>		SECTION <span style="font-size: 24pt;">4</span>	

<b>WELL LOG</b> Not required for driven wells  STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING  <table style="width:100%;"> <tr> <th rowspan="2">DESCRIPTION (Use additional sheets if needed)</th> <th colspan="2">FEET</th> <th rowspan="2">Check if water bearing</th> </tr> <tr> <th>FROM</th> <th>TO</th> </tr> <tr> <td style="height: 100px; vertical-align: top;"> <div style="font-size: 24pt; font-family: cursive;">           OVERBURDEN 0 5            SNACE 5 50            GRAY ROCK 50 250 DRY             Well #1 - 300' DRY            Well #2 - 245' DRY             (BACK FILLED)         </div> </td> <td></td> <td></td> <td></td> </tr> </table>	DESCRIPTION (Use additional sheets if needed)	FEET		Check if water bearing	FROM	TO	<div style="font-size: 24pt; font-family: cursive;">           OVERBURDEN 0 5            SNACE 5 50            GRAY ROCK 50 250 DRY             Well #1 - 300' DRY            Well #2 - 245' DRY             (BACK FILLED)         </div>				<b>GROUTING RECORD</b> WELL HAS BEEN GROUTED (Circle Appropriate Box) <span style="font-size: 24pt;">N/A</span> <span style="border: 1px solid black; padding: 2px;">Y</span> <span style="border: 1px solid black; padding: 2px;">N</span> TYPE OF GROUTING MATERIAL CEMENT <span style="border: 1px solid black; padding: 2px;">CM</span> BENTONITE CLAY <span style="border: 1px solid black; padding: 2px;">BC</span> NO. OF BAGS _____ NO. OF POUNDS _____ GALLONS OF WATER _____ DEPTH OF GROUT SEAL (to nearest foot) from <span style="border: 1px solid black; padding: 2px;">48</span> ft. to <span style="border: 1px solid black; padding: 2px;">52</span> ft. (enter 0 if from surface) <b>CASING RECORD</b> casing types insert appropriate code below <span style="font-size: 24pt;">N/A</span> <span style="border: 1px solid black; padding: 2px;">ST</span> <span style="border: 1px solid black; padding: 2px;">CO</span> STEEL CONCRETE <span style="border: 1px solid black; padding: 2px;">PL</span> <span style="border: 1px solid black; padding: 2px;">OT</span> PLASTIC OTHER MAIN CASING TYPE Nominal diameter (nearest inch) Total depth of main casing (nearest foot) <span style="border: 1px solid black; padding: 2px;">60</span> <span style="border: 1px solid black; padding: 2px;">61</span> <span style="border: 1px solid black; padding: 2px;">63</span> <span style="border: 1px solid black; padding: 2px;">64</span> <span style="border: 1px solid black; padding: 2px;">66</span> <span style="border: 1px solid black; padding: 2px;">70</span> OTHER CASING (if used) diameter inch depth (feet) from to EACH CASING <span style="border: 1px solid black; padding: 2px;">1</span> <b>SCREEN RECORD</b> screen type or open hole insert appropriate code below <span style="border: 1px solid black; padding: 2px;">ST</span> <span style="border: 1px solid black; padding: 2px;">BR</span> <span style="border: 1px solid black; padding: 2px;">HO</span> STEEL BRASS OPEN HOLE <span style="border: 1px solid black; padding: 2px;">PL</span> <span style="border: 1px solid black; padding: 2px;">OT</span> PLASTIC OTHER <b>C2</b> DEPTH (nearest ft.) EACH SCREEN <span style="border: 1px solid black; padding: 2px;">8</span> <span style="border: 1px solid black; padding: 2px;">9</span> <span style="border: 1px solid black; padding: 2px;">11</span> <span style="border: 1px solid black; padding: 2px;">15</span> <span style="border: 1px solid black; padding: 2px;">17</span> <span style="border: 1px solid black; padding: 2px;">21</span> <span style="border: 1px solid black; padding: 2px;">23</span> <span style="border: 1px solid black; padding: 2px;">24</span> <span style="border: 1px solid black; padding: 2px;">26</span> <span style="border: 1px solid black; padding: 2px;">30</span> <span style="border: 1px solid black; padding: 2px;">32</span> <span style="border: 1px solid black; padding: 2px;">36</span> <span style="border: 1px solid black; padding: 2px;">38</span> <span style="border: 1px solid black; padding: 2px;">39</span> <span style="border: 1px solid black; padding: 2px;">41</span> <span style="border: 1px solid black; padding: 2px;">45</span> <span style="border: 1px solid black; padding: 2px;">47</span> <span style="border: 1px solid black; padding: 2px;">51</span> SLOT SIZE 1 _____ 2 _____ 3 _____ DIAMETER OF SCREEN <span style="border: 1px solid black; padding: 2px;">56</span> <span style="border: 1px solid black; padding: 2px;">60</span> (NEAREST INCH) GRAVEL PACK _____ from _____ to _____ IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68 <span style="border: 1px solid black; padding: 2px;">68</span>	<b>C3</b> <b>PUMPING TEST</b> HOURS PUMPED (nearest hour) <span style="border: 1px solid black; padding: 2px;">8</span> <span style="border: 1px solid black; padding: 2px;">9</span> PUMPING RATE (gal. per min. to nearest gal.) <span style="border: 1px solid black; padding: 2px;">11</span> <span style="border: 1px solid black; padding: 2px;">15</span> METHOD USED TO MEASURE PUMPING RATE _____ WATER LEVEL (distance from land surface) BEFORE PUMPING <span style="border: 1px solid black; padding: 2px;">17</span> <span style="border: 1px solid black; padding: 2px;">20</span> WHEN PUMPING <span style="border: 1px solid black; padding: 2px;">22</span> <span style="border: 1px solid black; padding: 2px;">25</span> TYPE OF PUMP USED (for test) <span style="border: 1px solid black; padding: 2px;">A</span> air <span style="border: 1px solid black; padding: 2px;">P</span> piston <span style="border: 1px solid black; padding: 2px;">T</span> turbine <span style="border: 1px solid black; padding: 2px;">C</span> centrifugal <span style="border: 1px solid black; padding: 2px;">R</span> rotary <span style="border: 1px solid black; padding: 2px;">O</span> other (describe below) <span style="border: 1px solid black; padding: 2px;">J</span> jet <span style="border: 1px solid black; padding: 2px;">S</span> submersible <b>PUMP INSTALLED</b> DRILLER WILL INSTALL PUMP YES NO (CIRCLE) (YES or 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: <span style="border: 1px solid black; padding: 2px;">29</span> CAPACITY: GALLONS PER MINUTE (to nearest gallon) <span style="border: 1px solid black; padding: 2px;">31</span> <span style="border: 1px solid black; padding: 2px;">35</span> PUMP HORSE POWER <span style="border: 1px solid black; padding: 2px;">37</span> <span style="border: 1px solid black; padding: 2px;">41</span> PUMP COLUMN LENGTH (nearest ft.) <span style="border: 1px solid black; padding: 2px;">43</span> <span style="border: 1px solid black; padding: 2px;">47</span> CASING HEIGHT (circle appropriate box and enter casing height) <span style="border: 1px solid black; padding: 2px;">+</span> above <span style="border: 1px solid black; padding: 2px;">-</span> below <span style="border: 1px solid black; padding: 2px;">50</span> <span style="border: 1px solid black; padding: 2px;">51</span> (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)
DESCRIPTION (Use additional sheets if needed)		FEET			Check if water bearing							
	FROM	TO										
<div style="font-size: 24pt; font-family: cursive;">           OVERBURDEN 0 5            SNACE 5 50            GRAY ROCK 50 250 DRY             Well #1 - 300' DRY            Well #2 - 245' DRY             (BACK FILLED)         </div>												

CIRCLE APPROPRIATE LETTER <b>A</b> A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED <b>E</b> ELECTRIC LOG OBTAINED <b>P</b> 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. <span style="font-size: 24pt;">120</span> DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)	<b>OEP USE ONLY</b> (NOT TO BE FILLED IN BY DRILLER)  T <span style="border: 1px solid black; padding: 2px;">70</span> (E.R.O.S.) <span style="border: 1px solid black; padding: 2px;">72</span> WQ <span style="border: 1px solid black; padding: 2px;">74</span> <span style="border: 1px solid black; padding: 2px;">75</span> <span style="border: 1px solid black; padding: 2px;">76</span> TELESCOPE CASING LOG INDICATOR OTHER DATA  <div style="font-size: 24pt; font-family: cursive; text-align: center;">(BACK FILLED)</div>
--	---



C1 5235

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.COUNTY  
NUMBER

A 28666

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

DATE Received

8	9	10	11	12	13
---	---	----	----	----	----

DATE WELL COMPLETED

15	16	17	18	19	20
----	----	----	----	----	----

Depth of Well

22	23	24	25	26
----	----	----	----	----

  
(TO NEAREST FOOT)PERMIT NO.  
FROM "PERMIT TO DRILL WELL"

28	29	30	31	32	33	34	35	36	37
----	----	----	----	----	----	----	----	----	----

  
HP-81-1457

OWNER

STREET OR RFD

SUBDIVISION

SECTION

TOWN

LOT 4

## 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  
bearingWell #1 400' DRY  
(backfilled)

DRY

## GROUTING RECORD

WELL HAS BEEN GROUTED  
(Circle Appropriate Box)

yes	no
Y	N
44	44

TYPE OF GROUTING MATERIAL

CEMENT **CM** BENTONITE CLAY **BC**

NO. OF BAGS NO. OF POUNDS

GALLONS OF WATER

DEPTH OF GROUT SEAL (to nearest foot)

from 48 49 50 51 52 ft. to 54 55 56 57 58 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)

60	61	63	64	66	67	68	69	70
----	----	----	----	----	----	----	----	----

## OTHER CASING (if used)

diameter depth (feet)  
inch from to

EACH CASING									
-------------	--	--	--	--	--	--	--	--	--

screen type  
or open holeinsert  
appropriate  
code  
below

## SCREEN RECORD

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

## C2

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
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

DEPTH (nearest ft.)

SLOT SIZE 1 2 3

DIAMETER OF SCREEN (NEAREST INCH)

from to

GRAVEL PACK  
IF WELL DRILLED WAS  
FLOWING WELL INSERT  
F IN BOX 68OEP USE ONLY  
(NOT TO BE FILLED IN BY DRILLER)

T	(E.R.O.S.)	WQ
70	72	74 75 76
TELESCOPE CASING	LOG INDICATOR	OTHER DATA

## C3

## PUMPING TEST

HOURS PUMPED (nearest hour)

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

METHOD USED TO MEASURE PUMPING RATE

WATER LEVEL (distance from land surface)

BEFORE PUMPING

WHEN PUMPING

TYPE OF PUMP USED (for test)

A	P	T
air	piston	turbine
27	27	27
C	R	O
centrifugal	rotary	other (describe below)
27	27	27
J	S	
jet	submersible	
27	27	

## 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 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

- below

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)

CIRCLE APPROPRIATE LETTER

A WELL WAS ABANDONED AND SEALED  
WHEN THIS WELL WAS COMPLETED

E ELECTRIC LOG OBTAINED

P TEST WELL CONVERTED TO PRODUCTION  
WELLI 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.

DRILLER'S SIGNATURE

(MUST MATCH SIGNATURE ON APPLICATION)

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

C1 1934 SEQUENCE NO. (OEP 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 ~~DE~~ A-28666

DATE Received        
DATE WELL COMPLETED 100089  
Depth of Well 22 185 26 (TO NEAREST FOOT)  
PERMIT NO. FROM "PERMIT TO DRILL WELL" 40-81-2339  
OWNER Miller last name first name THOMAS  
STREET OR RFD WOODSTREAM Rd. TOWN WEST FRIENDSHIP  
SUBDIVISION SANDY HILL ESTATES SECTION LOT 4

WELL LOG  
Not required for driven wells  
STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING  
DESCRIPTION (Use additional sheets if needed) FEET FROM TO Check if water bearing  
SAND 0 40  
Gray Micaceous 40 185  
OK

GROUTING RECORD  
WELL HAS BEEN GROUTED (Circle Appropriate Box) YES Y NO N  
TYPE OF GROUTING MATERIAL CEMENT CM BENTONITE CLAY BC  
NO. OF BAGS 7 NO. OF POUNDS 846  
GALLONS OF WATER 54  
DEPTH OF GROUT SEAL (to nearest foot) from 0 48 52 54 58 ft. 140 (enter 0 if from surface)

CASING RECORD  
casing types insert appropriate code below  
STEEL ST CONCRETE CO  
PLASTIC PL OTHER OT  
MAIN CASING TYPE ST  
Nominal diameter top (main) casing (nearest inch) 6 63 64  
Total depth of main casing (nearest foot) 147 66 70

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

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

DEPTH (nearest ft.)  
EACH SCREEN  
1 40 45 185  
2  
3  
SLOT SIZE 1 2 3  
DIAMETER OF SCREEN 56 60 (NEAREST INCH)

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 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. 236  
DRILLERS SIGNATURE  
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.) WQ  
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.) 10  
METHOD USED TO MEASURE PUMPING RATE Bucket  
WATER LEVEL (distance from land surface) BEFORE PUMPING 25 WHEN PUMPING 35  
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) 31 35  
PUMP HORSE POWER 37 41  
PUMP COLUMN LENGTH (nearest ft.) 43 47  
CASING HEIGHT (circle appropriate box and enter casing height) + above - below LAND SURFACE 2 (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)  
Sketch of lot with well location and distances.

## Review

## HD-224



Well Permit No. HO - 81-2339  
Location of property (road) Woodstream Ct.  
Subdivision Sandy Hill Est. Lot 4 Block      Plat      Sec.       
Well Driller Joseph Mayre Owner Thomas Miller  
Depth of well 185  
Distance of measuring point (M.P.) above ground 2  
Static water level (S.W.L.) below M.P. 25

Time pump started 7:30 Pumping rate 10 gal  
Total time 15 min to reach pumping water level 35 ft. below M.P.

[illegible]



B 1 <div style="border: 1px solid black; padding: 2px; display: inline-block;">           3321         </div>	SEQUENCE NO. (OEP USE ONLY)	<b>STATE OF MARYLAND</b> <b>PERMIT TO DRILL WELL</b> please print or type	OEP PERMIT NUMBER <div style="border: 1px solid black; padding: 2px; display: inline-block;">           40-81-2339         </div>
Date Received <div style="border: 1px solid black; padding: 2px; display: inline-block;">           092987         </div>		LOCATION OF WELL 8 COUNTY <div style="border: 1px solid black; padding: 2px; display: inline-block;">HOWARD</div>	
OWNER INFORMATION 15 Last Name <div style="border: 1px solid black; padding: 2px; display: inline-block;">MILLER</div> Owner <div style="border: 1px solid black; padding: 2px; display: inline-block;">E</div> First Name <div style="border: 1px solid black; padding: 2px; display: inline-block;">THOMAS</div>		23 SUBDIVISION <div style="border: 1px solid black; padding: 2px; display: inline-block;">SANDY HILL ESTATES</div>	
36 Street or RFD <div style="border: 1px solid black; padding: 2px; display: inline-block;">2123 ROCKWELL AVE</div>		SECTION <div style="border: 1px solid black; padding: 2px; display: inline-block;">44</div> LOT <div style="border: 1px solid black; padding: 2px; display: inline-block;">4</div>	
57 Town <div style="border: 1px solid black; padding: 2px; display: inline-block;">CATONSVILLE</div>		52 NEAREST TOWN <div style="border: 1px solid black; padding: 2px; display: inline-block;">WEST FRIENDSHIP</div>	
DRILLER INFORMATION Driller's Name <div style="border: 1px solid black; padding: 2px; display: inline-block;">Joseph R. Mayne</div>		MILES FROM TOWN (enter 0 if in town) <div style="border: 1px solid black; padding: 2px; display: inline-block;">1</div> MI	
Firm Name <div style="border: 1px solid black; padding: 2px; display: inline-block;">Joseph R. Mayne Well Drilling</div>		11 NEAR WHAT ROAD <div style="border: 1px solid black; padding: 2px; display: inline-block;">Woodstream Road</div>	
Address <div style="border: 1px solid black; padding: 2px; display: inline-block;">5512 Ridge Rd. Mt. Airy, Md. 21771</div>		ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)	
Signature <div style="border: 1px solid black; padding: 2px; display: inline-block;">Joseph R. Mayne</div> Date <div style="border: 1px solid black; padding: 2px; display: inline-block;">7/4/87</div>		NORTH <div style="border: 1px solid black; padding: 2px; display: inline-block;">N</div> EAST <div style="border: 1px solid black; padding: 2px; display: inline-block;">E</div> WEST <div style="border: 1px solid black; padding: 2px; display: inline-block;">W</div> SOUTH <div style="border: 1px solid black; padding: 2px; display: inline-block;">S</div>	
B 2 WELL INFORMATION APPROX. PUMPING RATE (GAL. PER MIN.) <div style="border: 1px solid black; padding: 2px; display: inline-block;">5</div>		TOWN	
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) <div style="border: 1px solid black; padding: 2px; display: inline-block;">500</div>		DISTANCE FROM ROAD <div style="border: 1px solid black; padding: 2px; display: inline-block;">75</div>	
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)			
APPROXIMATE DEPTH OF WELL <div style="border: 1px solid black; padding: 2px; display: inline-block;">300</div> FEET			
APPROXIMATE DIAMETER OF WELL <div style="border: 1px solid black; padding: 2px; display: inline-block;">6</div> INCH			
METHOD OF DRILLING (circle one)			
<input checked="" type="checkbox"/> BORED (or Augered) <input type="checkbox"/> JETTED <input type="checkbox"/> Jetted & DRIVEN			
<input checked="" type="checkbox"/> AIR-ROTARY <input type="checkbox"/> AIR-PERCussion <input type="checkbox"/> ROTARY (Hydraulic Rotary)			
<input type="checkbox"/> CABLE <input type="checkbox"/> REVERSE-ROTARY <input type="checkbox"/> Drive-POINT			
other _____			
REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)			
<input checked="" type="checkbox"/> THIS WELL WILL NOT REPLACE AN EXISTING WELL			
<input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED			
<input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY			
<input type="checkbox"/> THIS WELL WILL DEEPMEN AN EXISTING WELL			
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) <div style="border: 1px solid black; padding: 2px; display: inline-block;">           41         </div>			
Not to be filled in by driller (OEP USE ONLY)			
APPROP. PERMIT NUMBER <div style="border: 1px solid black; padding: 2px; display: inline-block;">           54         </div>			
FORCE <div style="border: 1px solid black; padding: 2px; display: inline-block;">5A</div> WRITE INITIALS IN BOX PERMIT NO. <div style="border: 1px solid black; padding: 2px; display: inline-block;">40-81-2339</div>			
SPECIAL CONDITIONS			

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  

E 818 8  
 N 530 5

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

Location ok 10-687  
 47 ft casing  
 40 ft open  
 9 bags cement  
 2 ft above ground  
 JE Nadeau

## HOUSE:

FIRST FLOOR EL. = 554.15 ✓

GAR. EL. = 552.15 ✓

BASEMENT EL. = 546.20 ✓

INV. OUT OF HOUSE = 542.70 ✓ BSMT

## SEPTIC TANK:

INV. INTO S.T. = 542.50 ✓

INV. OUT OF S.T. = 542.40 ✓

EX. GRADE @ S.T. = 547.50 ✓

## DIST. BOX:

INV. INTO D.B. = 542.00 ✓

EX. GRADE @ D.B. = 545.00 ✓

11/23/87

elevations ch  
S. Mul

BLDG. PERMIT SIGNED

AND RETURNED 11/23/87

BP15701  
S. MulEX. 48" CULVERT  
APPROVED UNDER  
F-80-6920'  
DRAINAGE  
UTILITY  
ESMT.

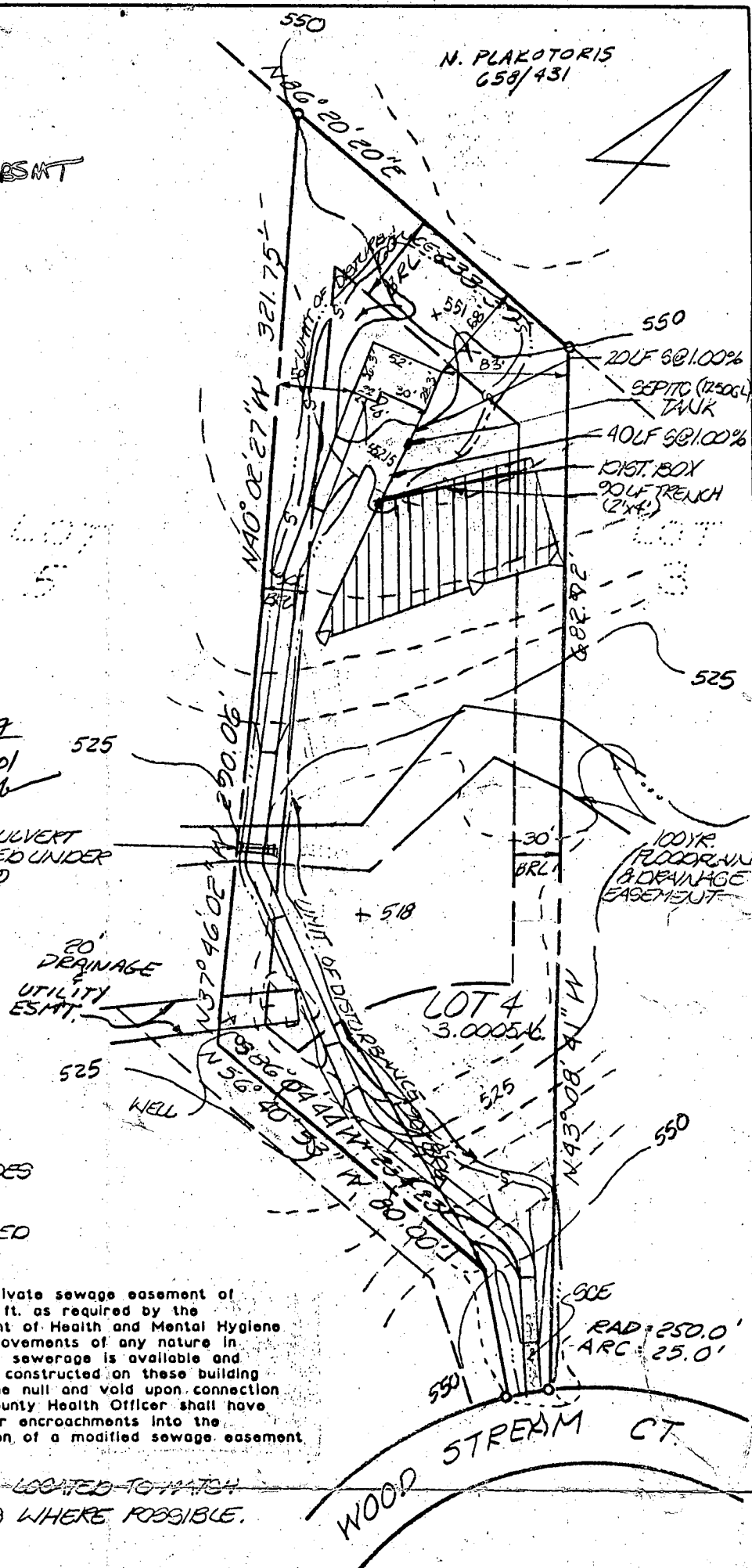
## NOTES:

1. TAX MAP 16, PARCEL 5
2. PLAT REFERENCE: 4646
3. CONTRACTOR TO GET GRADES IN FIELD.
4. TOPO SHOWN HEREON BASED ON AERIAL TOPOGRAPHY.

5.

This area designated a private sewage easement of approximately 10,000 sq. ft. as required by the Maryland State Department of Health and Mental Hygiene for individual sewage disposal. Improvements of any nature in this area are restricted until public sewerage is available and servicing any residential structures constructed on these building sites. These easements shall become null and void upon connection to a public sewage system. The County Health Officer shall have the authority to grant variances for encroachments into the private sewer easement. Recordation of a modified sewage easement shall not be necessary.

DRIVEWAY IS TO BE FIELD LOCATED TO MATCH EXISTING GRADE ACCESS WHERE POSSIBLE.



TITLE:

GRADING STUDY

PROJECT:

SANDY HILL ESTATES - LOT 4

LOCATION:

3<sup>rd</sup>

ELECTION DISTRICT

HOWARD

CO., MD.

SCALE:

1" = 100'

DESIGNED BY:

E.U.A.

DRAWN BY:

D.M.W.

CHECKED BY:

L.E.B.

DATE:

10/28/87

FIELD BOOK:

PAGE NO.:

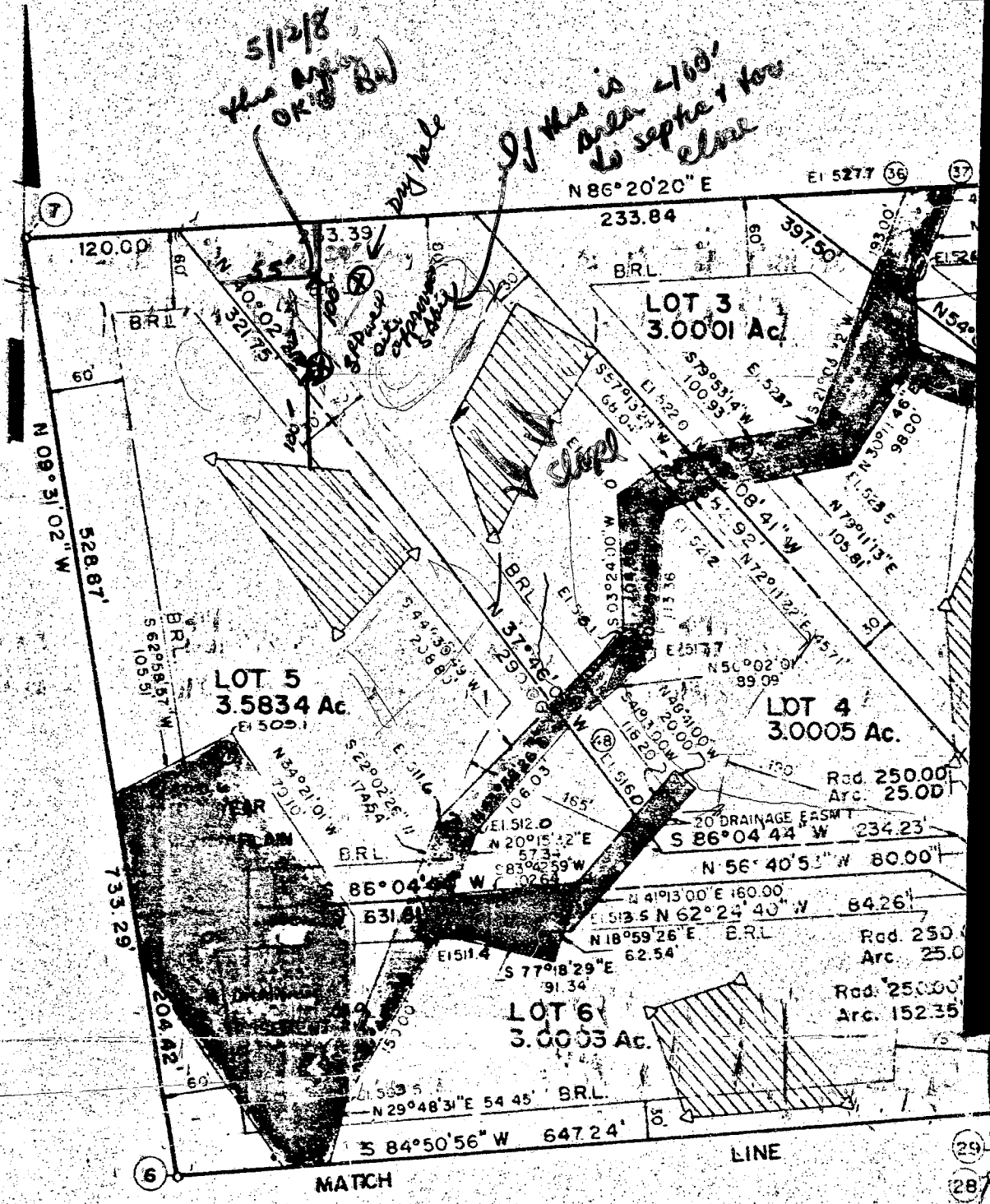
JOB NO.:

87200

DRAWING NO.:

1 of 1

boender associates  
inc.consulting engineers  
land surveyors  
land plannersCOURTHOUSE SQUARE  
3565 ELLICOTT MILLS DRIVE  
ELLICOTT CITY, MD. 21043  
13011 465-7777



R. TENANT  
655/231

TABULATION THIS SHEET	
Number of lots	7
Area of lots	21.5857 Ac.
Area of Right of way	1.0500 Ac.
Total area	22.6357 Ac.

TABULATION OF TOTAL AREA	
Total nos. of lots	31
Total area of lots	40.0250 Ac.
Total area of R/W	1.128 Ac.
Total Area	41.1530 Ac.

CURVE DATA					
CURVE	DELTA	RADIUS	ARC	TANGENT	BE
74-23	14°00'00"	125.00	30.54	15.35	N 8
24-25	101°00'00"	200.00	352.56	242.62	S
26-27	48°11'23"	25.00	21.03	11.18	S
27-28	276°22'46"	25.00	241.19	44.72	S
28-29	48°11'23"	25.00	21.03	11.18	N 1
30-31	101°00'00"	250.00	440.70	303.27	N 3
32-75	14°00'00"	175.00	42.75	21.49	S 8

APPROVED: For private water and private sewerage systems.  
Howard County Health Department

*John Zylus* 7-27-80  
County Health Officer Date

APPROVED: Howard County Office of Planning and Zoning

*Paul M. ...* 8-2-80  
Director Date

APPROVED: For storm drainage systems and public roads.

Howard County Department of Public Works  
*...* 8-2-80  
Director Date

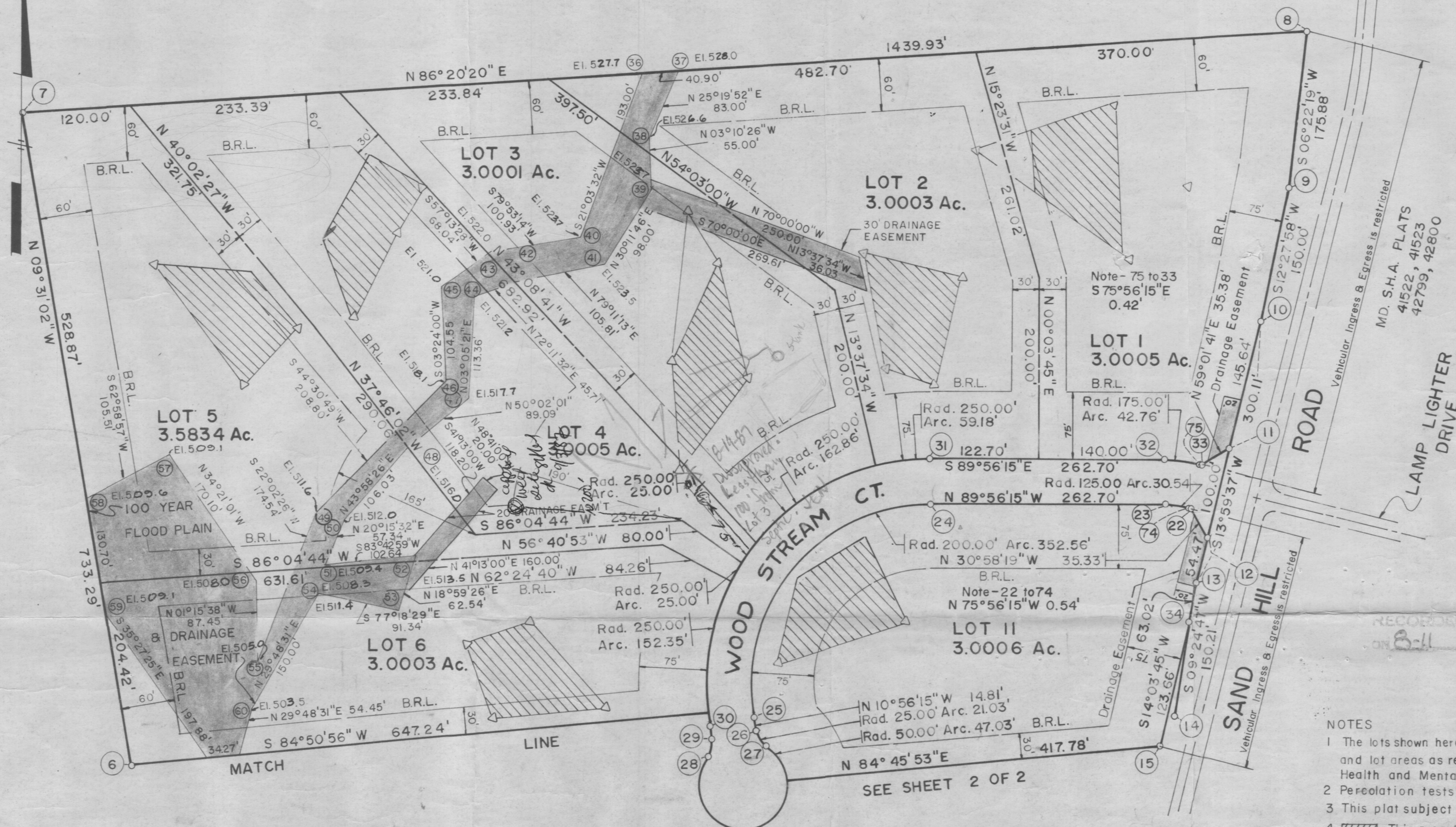
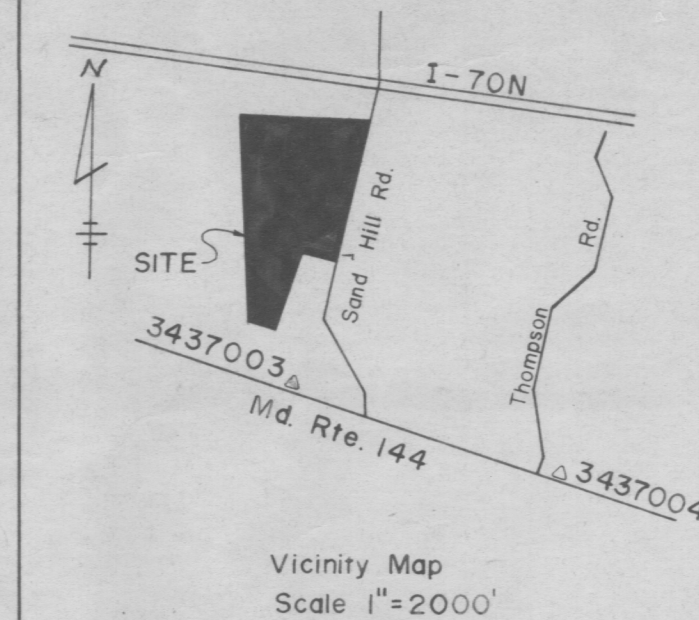
OWNER'S CERTIFICATE

We, Sandy Hill Properties, a Maryland General Partnership, Se Un Kim, owners of the property shown and described hereon, hereby adopt this in consideration of the approval of this Final Plat by the Office of Planning and Zoning, to establish the minimum building restriction lines and grant unto Howard County, its successors and assigns, (1) the right to lay, construct and maintain, and other municipal utilities and services, in and under all roads and the specific easement areas shown hereon; (2) the right to require dedication of streets and/or roads, and floodplains and open space, and other consideration, hereby grant the right and option to the fee simple title to the beds of the street and/or roads, floodplains where applicable; (3) the right to require dedication of waterway & drainage for a specific purpose of their construction, repair & maintenance; & (4) that any kind shall be erected on or over the said easements and right-of-way. Witness hand this 30 day of Oct, 1980.

*Michael C.*



N. PLAKOTONIS  
658/431



#### NOTES

- 1 The lots shown hereon comply with the minimum ownership width and lot areas as required by the Maryland State Department of Health and Mental Hygiene.
- 2 Percolation tests have been field located. AS SHOWN Δ
- 3 This plat subject to VP-79-84 & VP-80-82
- 4 This area designates a private sewerage easement of approximately 10,000 sq. ft. as required by the Maryland State Health Department for individual sewage disposal improvements of any nature in this area are restricted until public sewage is available and servicing any residential structure constructed on this site. This easement shall become null and void upon connection to a public sewage system.
- 5 Subject property is zoned 'R' per Comprehensive Zoning Plan of 10-3-77.
- 6 SEPTIC SYSTEM SHALL BE INSTALLED PRIOR TO THE RELEASE OF BUILDING PERMITS FOR LOTS 4, 5, AND 8.

TABULATION	THIS SHEET
Number of lots	7
Area of lots	21,585.7 Ac.
Area of Right of way	1,050.0 Ac.
Total area	22,635.7 Ac.

TABULATION OF TOTAL AREA	
Total nos. of lots	11
Total area of lots	40.0250 Ac.
Total area of R/W	1.128 Ac.
Total Area	41.1530 Ac.

CURVE DATA					
CURVE	DELTA	RADIUS	ARC	TANGENT	BEARING & LNG. CHD.
74-23	14°00'00"	125.00	30.54	15.35	N 82°56'15"W 30.47
24-25	101°00'00"	200.00	352.56	242.62	S 39°33'45"W 308.65
26-27	48°11'23"	25.00	21.03	11.18	S 13°09'26"W 20.41
27-28	276°22'46"	50.00	241.19	44.72	S 79°03'45"W 66.67
28-29	48°11'23"	25.00	21.03	11.18	N 13°09'26"E 20.41
30-31	101°00'00"	250.00	440.70	303.27	N 39°33'45"E 385.81
32-75	14°00'00"	175.00	42.76	21.49	S 82°56'15"E 42.65

FLOOD PLAIN TABULATION		
LOT	LOT AREA	FLOOD PLAIN
1	3.0005 Ac.	NONE
2	3.0003 Ac.	0.06 Ac.
3	3.0001 Ac.	0.22 Ac.
4	3.0005 Ac.	0.06 Ac.
5	3.5834 Ac.	0.49 Ac.
6	3.0003 Ac.	0.77 Ac.
7	4.7727 Ac.	0.45 Ac.
8	9.5851 Ac.	0.98 Ac.
9	3.0082 Ac.	NONE
10	3.0733 Ac.	NONE
11	3.0006 Ac.	NONE

SHEET 1 OF 2

*Signed final*

APPROVED: For private water and private sewerage systems.  
Howard County Health Department

*John B. Sykes* 7-27-80  
County Health Officer Date

APPROVED: Howard County Office of Planning and Zoning

*William M. Mendenhall* 8-7-80  
Director Date

APPROVED: For storm drainage systems and public roads.

Howard County Department of Public Works  
*William F. Mendenhall* 8-8-80  
Director Date

OWNER'S CERTIFICATE  
We, Sandy Hill Properties, a Maryland General Partnership, by Michael T. Yao & Se Un Kim, owners of the property shown and described hereon, hereby adopt this plan of subdivision, and in consideration of the approval of this Final Plat by the Office of Planning and Zoning, establish the minimum building restriction lines and grant unto Howard County, Maryland, its successors and assigns, (1) the right to lay, construct and maintain sewers, drains, water pipes and other municipal utilities and services, in and under all roads and street right-of-ways and the specific easement areas shown hereon; (2) the right to require dedication for public use the beds of streets and/or roads, and floodplains and open space where applicable and for good and other consideration, hereby grant the right and option to Howard County to acquire the fee simple title to the beds of the street and/or roads, floodplains, storm drainage & open space where applicable; (3) the right to require dedication of waterway & drainage easements for the specific purpose of their construction, repair & maintenance; & (4) that no building or similar structure of any kind shall be erected on or over the said easements and right-of-ways.  
Witness hand this 30 day of Oct, 1979

*Michael T. Yao*

#### SURVEYOR'S CERTIFICATE

I hereby certify that the final plat shown hereon is correct; that it is a subdivision of part of the lands conveyed. By Clifford N. Snow to Sandy Hill Properties, a Maryland General Partnership by deed dated June 8, 1978 and recorded in the Land Records of Howard County in Liber C88, Folio 298 and that all monuments are in place as shown in accordance with the annotated code of Maryland, as amended.



Date

Henry V. Oheim #4156

#### SANDY HILL ESTATES

THIRD ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
SCALE - 1"=100'

SEPTEMBER, 1979

TAX MAP 16 PARCEL 5

Tydings-Oheim Assoc., Inc.  
Land Surveyors  
Construction Surveyors  
8370 Court Avenue  
Ellicott City, Md.  
21043  
301-465-0660

OWNER & DEVELOPER  
Sandy Hill Properties  
6306 Friendship Court  
Bethesda, Md.  
20084