

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY

ELLICOTT CITY

DISTRICT 3rd

DATE 11/14/78

INDEXED

Arnold Septic Tank Service

IS PERMITTED TO INSTALL ☒ ALTER

ADDRESS Woodbine, Maryland 21797

PHONE 795-1285

SUBDIVISION Benson

ROAD 3557 Lakeway Drive

LOT 3, Sec. 3

PROPERTY OWNER Georgiana M. Simmel

Ellery Miller

Phone: 788-4386

ADDRESS 152 Cherrydell Road, Baltimore, Maryland 21228

Work: 788-7700

SPECIFICATIONS 3 bedrooms (1 bedroom in house)

SEPTIC TANK CAPACITY 1000 GALLONS

DRAIN FIELD DEPTH FEET, BOTTOM AREA SQ. FT.

DEEP TRENCH DEPTH FEET, BOTTOM AREA SQ. FT.

SEEPAGE PITS ☒ ABSORBENT SIDE-WALL AREA 336 SQ. FT. total sidewall area in dry well.

INLET PIPE 4 FT. BELOW ORIGINAL GRADE. MAXIMUM DEPTH 12 FT. BELOW ORIGINAL GRADE

EFFECTIVE DEPTH AT 5 FT. BELOW ORIGINAL GRADE.

LOCATE DISPOSAL AREA 233 FT. FROM front LOT LINE AND 125 FT. FROM left LOT LINE AS SEEN WHEN
FACING LOT FROM Lakeway Drive.

Trench to be 12 ft. long for a total sidewall area of 84 sq. ft. Inlet at 4 ft. and maximum depth 12 ft. below original grade. Trench to follow contour of land and run towards right property line as seen from road.

PLANS APPROVED BY George Keller

DATE 8/14/78

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 PLACING GRAVEL IN TRENCH.

NOTE: NO DRY WELL SHALL EXCEED 15 FOOT IN DIAMETER.

NOTE: ALL PIPE FROM HOUSE TO DISPOSAL AREA MUST BE CAST IRON.

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 ACCEPTED.

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

house connection ~~not~~ made without

final inspection

7/10/79

P 29223

A 28183

Pilot after

see pages

12/13/78

7/18/79

late afternoon please-final

03-286444

BLDG. PERMIT SIGNED

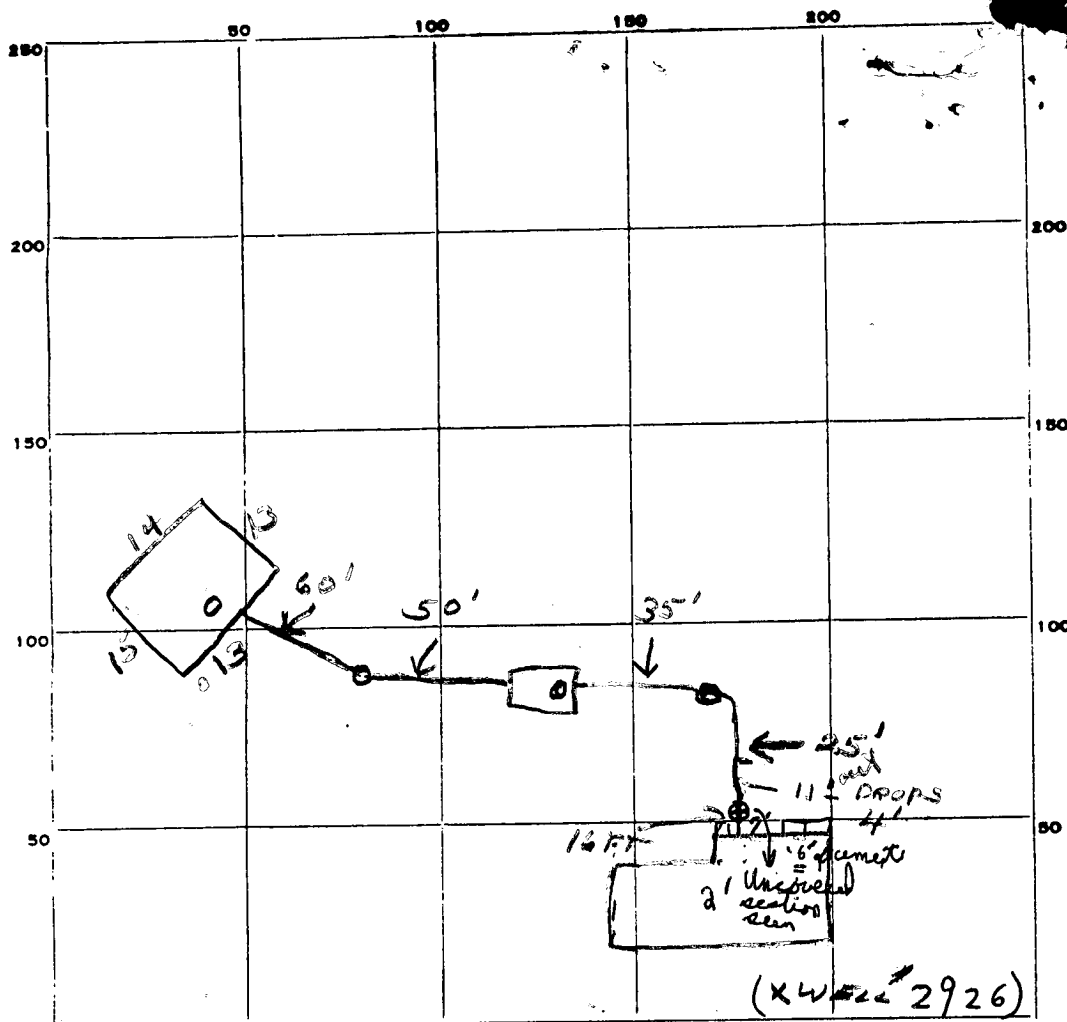
AND RETURNED

4/3/93

Serial # 48872

ack

28183



PERMIT CARD ✓ { 7/18 No-spoke etc }
 SEPTIC TANK, LEVEL 2 { contract manager at city }
 DISTRIBUTION BOX, LEVEL C.B.D. CLEANOUTS 37 | DW
 TILE FIELD, DEPTH _____ FT. TRENCH WIDTH _____ FT.

GRAVEL DEPTH _____ IN. TOTAL LENGTH _____ FT.

NUMBER OF TRENCHES _____ TOTAL BOTTOM AREA _____

SEEPAGE PITS, INSIDE DIAMETER 5.5 FT. DEPTH BELOW INLET 8 FT.

ABSORBENT AREA 440 SQ. FT.

REMARKS 12/13/78 - OK to cover work. Call when done

connection is ready. J.S. 1/10/79 - house not done. J.S.
7/18/79 Checked found C.I. pipe - 7' uncovered section from house; part of pipe
seen under concrete searpaties. Uncovered cleanout of septic tank - saw water
test. C.B.D. & Contract Managers. Office P.M. - Mr. Frommelt recommends
contract manager & owner send us a statement concerning cast iron & drop
7/10/79 system app. - connection not app. & DM
discussed with J.S. he saw pipe app. 7/10/79 per his conversation. C.B.D.
 DATE SYSTEM APPROVED 7/18/79 INSPECTOR C.B.D. [signature]

APPLICATION

A 28183

P _____

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICESP. O. BOX 476, ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 465-5000, EXT. 356DISTRICT 3rdDATE 6/19/78TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLANDI, HEREBY, APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE
DISPOSAL SYSTEM.PROPERTY OWNER Georgiana M. SimmelADDRESS 152 Cherrydell Rd., Catonsville, 21228 PHONE 788-4386 (home)
788-7700 (work)

PROPERTY LOCATION:

SUBDIVISION Benson Section III, Lakeway Dr., 21043 LOT NO. Lot #3ROAD AND DESCRIPTION Lakeway Dr. is hard surfaced, ending in a cul-de-sac. The
access to Lot #3 is crush and run (dirt) continuing from the end of the cul-de-
sac.SIZE OF LOT 6.11 acres TYPE BLDG. 3-1
NUMBER OF BEDROOMS

IF NOT SINGLE RESIDENCE DESCRIBE _____

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC
FACILITIES BECOME AVAILABLE.SIGNATURE OF APPLICANT Georgiana M. SimmelAPPROVED BY S. Keller FOR Drywell / Deep Trench DATE 8/14/78
(KIND OF SYSTEM)REJECTED BY _____ FOR _____ DATE _____
(KIND OF SYSTEM)

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING Hold for certified holes 7/7/78 (GLK)

THIS IS NOT A PERMIT

Hole ① 34 - high both

OG
CLAYEY LOAM
4'

SILTY
LOAM

12-14'

Hole ②

OG
CLAYEY LOAM
3'

SANDY
LOAM

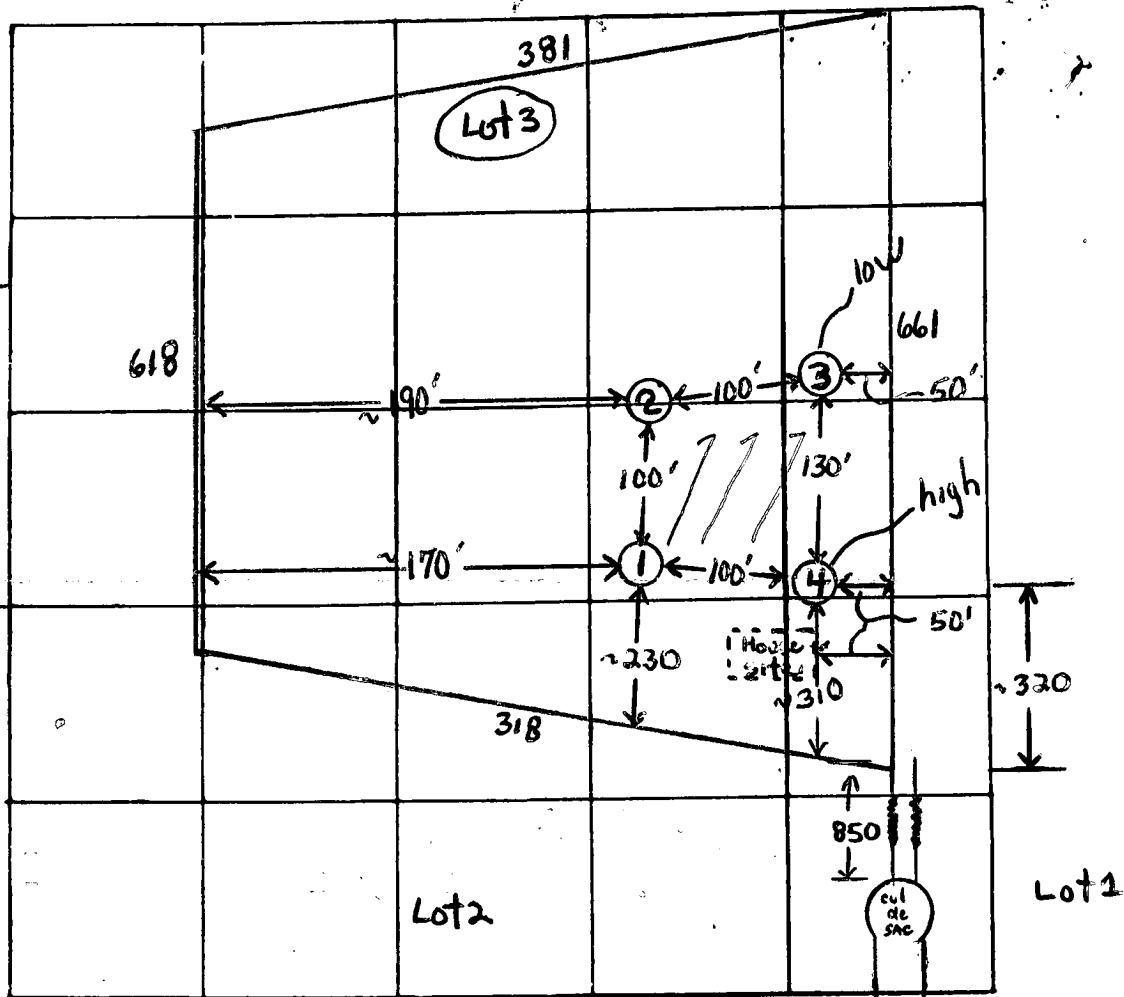
12'

Hole ③ - low

OG
CLAYEY LOAM
4-5'

SANDY
LOAM

14'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

Lakeway Drive

8/8/78

#1 is
high hole

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
7/7/78	1S NEXT	5'	1005	1010	1010	1020	10
	1D high	14'	1004	1007	1007	1013	6
	2S	4'	1034	1044	1044	1100	16
	2D	12'	1034	1037	1037	1043	6
	3S	3 1/2'	1116	1133	polled 3/4"	drop	failed
	3D - low	14'	1114	1117	1117	1124	7
	3m	5'	1136	1144	1144	1210	26
	4S - high	4 1/2'	1230	1235	1235	1240	5
	4D - high	12 1/2'	1231	1238	1238	1248	10

good soil
begins at 4'

dry at 11:30

good soil
begins at 3 1/2'

All holes
Avg = 10.6

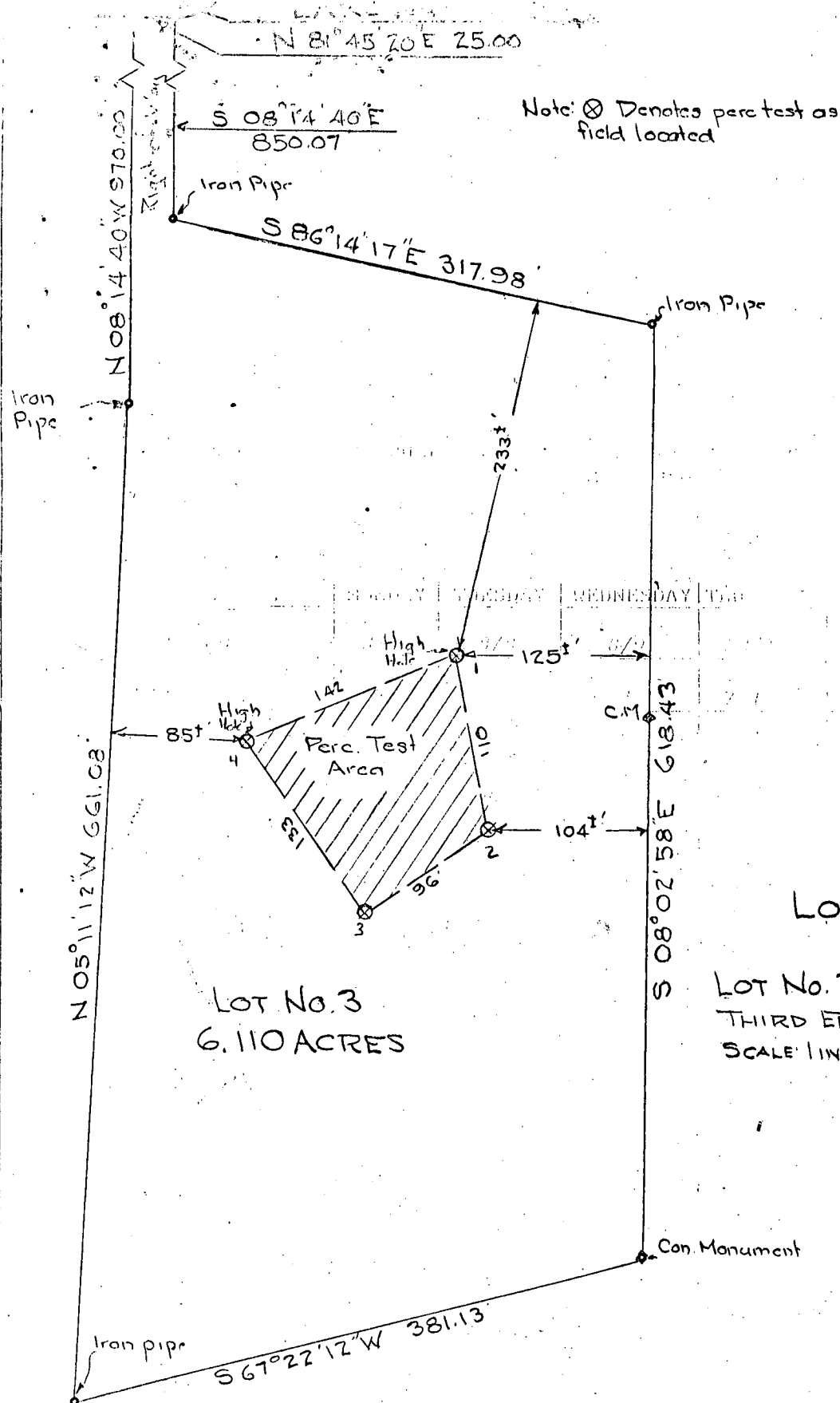
Hole ①
3 min =

10.6 min
140 lb
BR

REMARKS Hold for certified holes - wooded with heavy underbrush

TYPE OF SOIL see profile

TESTED BY GLK ALSO PRESENT: P. Leudrum's G. Simmel



Note: The lot shown hereon complies with the minimum ownership and lot area as required by the Maryland State Dept. of Health & Mental Hygiene

Approved: Private Water & Private Sewer

Angela Boyles 8-11-78

Howard County Health Officer

Date



R. F. Cooper 10-20-78
A. 4460

B 1		9057		SEQUENCE NO. (WRA USE ONLY)		STATE OF MARYLAND WATER RESOURCES ADMINISTRATION TAMES STATE OFFICE BLDG., ANNAPOLIS, MARYLAND 21401 APPLICATION FOR PERMIT TO DRILL WELL		WRA PERMIT NUMBER 40-73-2926					
1 2 3 (SEQ. NO.) 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)		FILL IN THIS FORM COMPLETELY											
DATE RECEIVED (WRA USE ONLY) 9/13/78 4:30 a.m.		OWNER COL 15 LAST NAME SIMMEL COL 16 FIRST NAME GEORGIANA STREET OR RFD COL 36 LOT #3 LAKEWAY DR. COL 55 POST OFFICE COL 57 ELLICOTT CITY MD. 21043 COL 76											
B 1		CONTINUED		DRILLER INFORMATION				B 3		LOCATION OF WELL			
1 2 3 (SEQ. NO.) 6		DATE Aug 3, 1978 LICENSE NUMBER 273				COUNTY HOWARD (DO NOT ABBREVIATE COUNTY NAME)				21			
41		FIRST NAME Ralph DRILLER Mayne LAST NAME				SUBDIVISION RENSON 23				42			
SIGNATURE Ralph Mayne						SECTION 3 LOT 3				48 50			
B 2		WELL INFORMATION						NEAREST TOWN GLENELG 52				71	
1 2 3 (SEQ. NO.) 6		MAXIMUM PUMPING RATE (GALLONS PER MINUTE) 5 8 12				MILES FROM TOWN (ENTER 0 IF IN TOWN) 3 79 76 77 78				MI			
41		AVERAGE DAILY QUANTITY NEEDED (GALLONS PER DAY) 500 14 20								MI			
B 4		DIRECTION FROM TOWN (CIRCLE APPROPRIATE BOX)											
1 2 3 (SEQ. NO.) 6		☐ N NORTH ☐ E EAST ☐ NE NORTHEAST ☐ SE SOUTHEAST								21			
41		☐ S SOUTH ☐ W WEST ☐ NW NORTHWEST ☒ SW SOUTHWEST								42			
NEAR WHAT LAKEWAY DR.						ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) ☒ N ☐ S ☐ E ☐ W 32 32 32 32				37 38 39			
DISTANCE FROM ROAD (ENTER DISTANCE AND CIRCLE APPROPRIATE BOX) 800										MI			
B 5		USE FOR WATER (CIRCLE APPROPRIATE BOX)											
1 2 3 (SEQ. NO.) 6		☒ D HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY) ☐ F FARMING, AGRICULTURE, IRRIGATION ☐ I INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOVERNMENT. ☐ M MUNICIPAL WATER SUPPLY ☐ P PRIVATE WATER COMPANY ☐ T TEST								76 77 78			
41										MI			
APPROXIMATE DEPTH OF WELL 150										FEET			
APPROXIMATE DIAMETER OF WELL 6										(NEAREST INCH)			
METHOD OF DRILLING USED (CIRCLE APPROPRIATE METHOD)										30-37			
☒ BORED (OR AUGERED) ☒ JETTED ☐ DRIVEN										AIR-ROTARY			
☐ AIR-ROTARY ☐ AIR-PERCUSSION ☐ ROTARY (HYDRAULIC ROTARY)										CABLE			
☐ REVERSE-ROTARY ☐ DRIVE-POINT										OTHER (DESCRIBE)			
REPLACEMENT OR DEEPEINED WELLS (CIRCLE APPROPRIATE BOX)										58			
☒ N THIS WELL WILL NOT REPLACE AN EXISTING WELL										59			
☐ Y THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED.										60			
☐ S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY										61			
☐ D THIS WELL WILL DEEPEIN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEINED (IF AVAILABLE)										62			
NOT TO BE FILLED IN BY DRILLER (WRA USE ONLY)										63			
APPROPRIATION PERMIT NUMBER 54										64			
ENGINEER REVIEW DISTRICT NO. 63										65			
FORCE 67 68										69			
WRITE INITIALS IN BOX										70			
CONDITIONS 71 72 73 74 75 76 77 78 79										80			
B 4		CONTINUED		HEALTH DEPARTMENT APPROVAL									
1 2 3 (SEQ. NO.) 6		DATE 08 07 78 43				COUNTY NAME Howard COUNTY NO. W28635				44			
41		APPROVED BY Donald W. Monaghan 45				DATE 08 07 78 46				47			
B 5		SPECIAL CONDITIONS 8-63 (WRA USE ONLY)											
1 2 3 (SEQ. NO.) 6										8			

23'-CASING
2'-ABOVE GR.
20'-OPEN HOLE
6-BAGS CEMENT
OK
9/13/78

WELL
210'

LAKEWAY DR.

TRIDELPHIA RD.

ROSEMARY LN.

STREAM

GLENELG

WELL

210'

0/5

5/5

0/0

5/0

STATE OF MARYLAND
WATER RESOURCES ADMINISTRATION
TAWES STATE OFFICE BLDG., ANNAPOLIS, MD. 21401
WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED IN
 IN 30 DAYS AFTER WELL COMPLET

FILL IN THIS FORM COMPLETELY.

COUNTY NUMBER W28-635

C 1 **2115** SEQUENCE NO.
 (THIS NUMBER IS TO BE PUNCHED
 IN COLS. 376 ON ALL CARDS)

DATE RECEIVED
 (WRA USE ONLY)

Sept. 13, 1978
 DATE WELL COMPLETED

DEPTH OF WELL

325'

22 (TO NEAREST FOOT) 26

PERMIT NO. FROM "PERMIT TO DRILL WELL"

83-2926
 28 29 30 31 32 33 34 35 36 37

DRILLERS IDENTIFICATION NO. 273

OWNER Simmel GEORGIANA

STREET OR RFD Lot 3 Lake wood Dr

POST OFFICE ELLcott City Md.

WELL DESCRIPTION

WELL LOG

STATE THE KIND OF FORMATIONS PENETRATED, THEIR
 COLOR, DEPTH, THICKNESS AND IF WATER BEARING

DESCRIPTION (USE ADDITIONAL SHEETS IF NECESSARY)	FEET		CHECK IF WATER BEARING
	FROM	TO	
Top Soil	0	2	
Sandy	2	6	
SANDY STONE	6	80	✓
micca	80	325	

GROUTING RECORD

WELL HAS BEEN GROUTED
 (CIRCLE APPROPRIATE BOX)

YES ☒ NO ☐
 44 44

TYPE OF GROUTING MATERIAL (CIRCLE BOX)

CEMENT ☒ BENTONITE CLAY ☐
 45 46 45 46

NO. OF BAGS 6 NO. OF POUNDS 600

GALLONS OF WATER 36

DEPTH OF GROUT SEAL (TO NEAREST FOOT)

FROM 0 FT. TO 20 FT.
 (ENTER 0 IF FROM SURFACE)

CASING RECORD

INSERT
 APPROPRIATE
 CODE
 BELOW

☒ STEEL

☐ CONCRETE

☐ PLASTIC

☐ OTHER

MAIN CASING TYPE S+ NOMINAL DIAMETER TOP (MAIN) CASING (NEAREST INCH) 6 TOTAL DEPTH OF MAIN CASING (NEAREST FOOT) 23

60 61 63 64 66 70

OTHER CASING (IF USED)

EACH CASING	DIAMETER (INCH)		DEPTH (FEET)	
	FROM	TO	FROM	TO
1				
2				

SCREEN RECORD

SCREEN TYPE OR OPEN HOLE

INSERT
 APPROPRIATE
 CODE
 BELOW

☒ STEEL

☐ BRASS OR BRONZE

☐ OPEN HOLE

☐ PLASTIC

☐ OTHER

C 2 (SEQ. NO.)

1 2 3 (SEQ. NO.) 6

DEPTH (NEAREST WHOLE FOOT) FROM 21 TO 325

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 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

SLOT SIZE 1. 2. 3.

DIAMETER OF SCREEN 56 (NEAREST INCH) FROM 60 TO 60

GRAVEL PACK 68

IF WELL DRILLED WAS A FLOWING WELL CIRCLE BOX ☒

WRA USE ONLY (NOT TO BE FILLED IN BY DRILLER)

TELESCOPE CASING ☐ LOG INDICATOR ☐ W Q ☐

70 72 74 75 76 OTHER DATA AVAILABLE

PUMP TEST

HOURS PUMPED (TO NEAREST HOUR) 8

PUMPING RATE (GALLONS PER MINUTE TO NEAREST GALLON) 1

METHOD USED TO MEASURE PUMPING RATE Bucket

WATER LEVEL: (DISTANCE FROM LAND SURFACE)

BEFORE PUMPING 50 (NEAREST FOOT)

WHEN PUMPING 325 (NEAREST FOOT)

TYPE OF PUMPED USED (CIRCLE APPROPRIATE BOX) (FOR PUMPING TEST)

☒ AIR ☐ PISTON ☐ TURBINE

☐ CENTRIFUGAL ☐ ROTARY ☐ OTHER (DESCRIBE BELOW)

☐ JET ☐ SUBMERSIBLE

PUMP INSTALLED

TYPE OF PUMP (WRITE APPROPRIATE LETTER IN BOX - SEE ABOVE: A, C, J, P, R, S, T, O)

DRILLER WILL INSTALL PUMP (CIRCLE APPROPRIATE BOX) YES ☒ NO ☐

CAPACITY: GALLONS PER MINUTE (TO NEAREST GALLON) 31

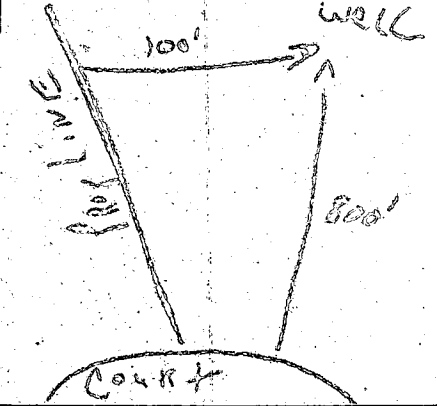
PUMP HORSE POWER 37

PUMP COLUMN LENGTH (NEAREST FOOT) 43

CASING HEIGHT (CIRCLE APPROPRIATE BOX AND ENTER CASING HEIGHT)

☒ ABOVE LAND SURFACE 2 (NEAREST FOOT)

LOCATION OF WELL ON LOT
 SHOW PERMANENT STRUCTURE SUCH AS BUILDINGS, SEPTIC TANKS, AND/OR OTHER LAND MARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL).



CIRCLE APPROPRIATE BOXES

☐ A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED

☐ ELECTRIC LOG OBTAINED

☐ TEST WELL CONVERTED TO PRODUCTION WELL

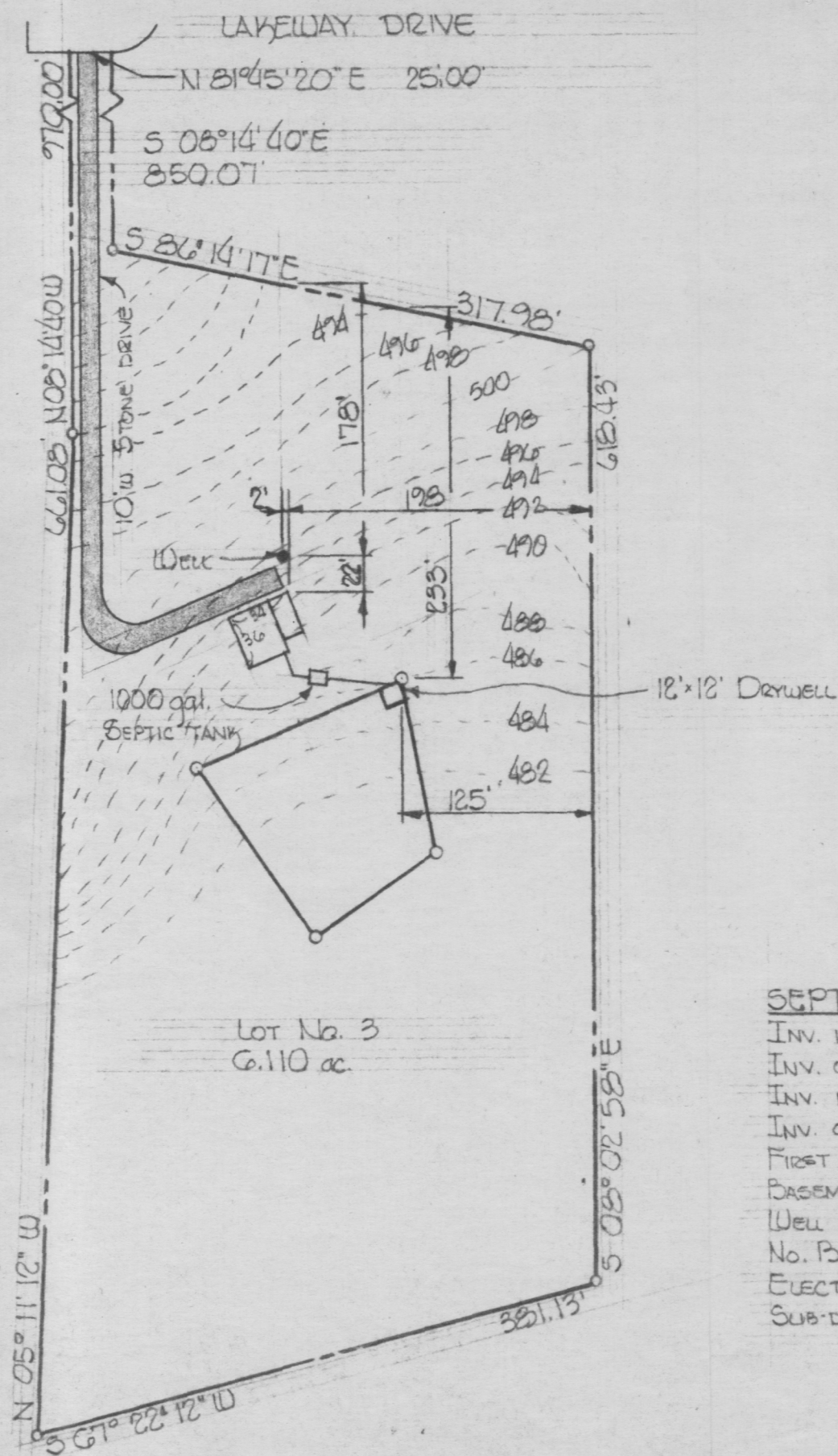
I HEREBY CERTIFY THAT I HAVE COMPLIED WITH ALL CONDITIONS STATED ON THE ABOVE-CAPTIONED "PERMIT TO DRILL WELL", AND THAT INFORMATION CONTAINED IN THIS REPORT IS TRUE, ACCURATE, AND COMPLETE TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF.

DRILLER'S NAME

(PLEASE PRINT)

SIGNATURE

Ralph MAYNE
Ralph Mayne

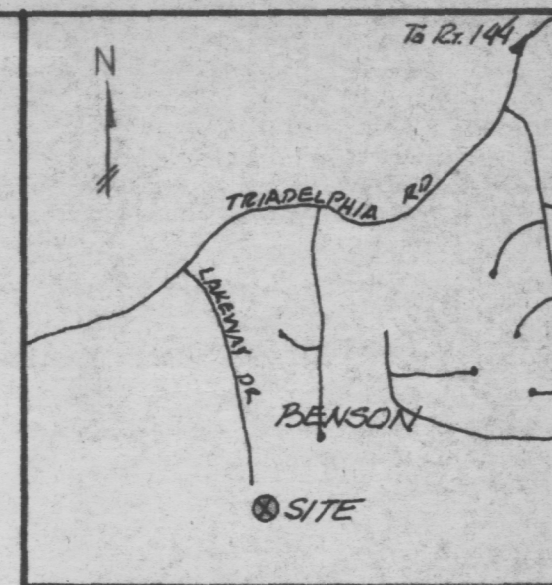


SITE PLAN
SCALE: 1"=100'

SEPTIC AND BUILDING DATA

INV. IN DRYWELL	482.00
INV. OUT SEPTIC TANK	483.00
INV. IN SEPTIC TANK	483.44
INV. OUT DWELLING	484.44
FIRST FLOOR ELEV.	495.75
BASEMENT FLOOR ELEV.	487.00
WELL ELEVATION	495.75
NO. BEDROOMS	1
ELECTION DISTRICT	3 RD
SUB-DIVISION	BENSON

Rejected 9/29/78 CLK
fall from house to septic tank
484.44 → 483 = 1.44' / 20' = 17.3" / 28' = 6" / ft
1.44' / 28' = 3 1/8" / ft



VICINITY MAP
SCALE: 1"=2000'

SCALE: As Noted	APPROVED BY:	DRAWN BY: W.M. YOUNG
DATE: AUGUST 11, 1978		JOB NUMBER: 78-015
SITE PLAN AND VICINITY MAP		
RESIDENCE FOR MISS GEORGIANA SIMMEL		DRAWING NUMBER: SP-1