

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH*

P 34358

A 29172

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
992-2330

INDEXED

ELLICOTT CITY

DISTRICT 3rd

DATE 9/13/84

William T. Cumberland, III

IS PERMITTED TO INSTALL X ALTER

ADDRESS 1820 Gillis Falls Road, Woodbine, MD. 21797 PHONE 489-4457

SUBDIVISION Sunset Valley ROAD 1020 Sunset Valley Dr. LOT 11

PROPERTY OWNER Ross D. & Joannette A. Christman

12649 Triadelphia Road

ADDRESS Ellicott City, Maryland 21043

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

GARBAGE GRINDER? YES NO X

SEPTIC TANK CAPACITY 1000 GALLONS NUMBER OF BEDROOMS 3

DEEP TRENCHES - 200 sq. ft. one sidewall area per bedroom. Ditch is to be 2 feet wide, 10 feet deep, with inlet at 4½ ft. below original grade and filled with 5½ feet of stone. Length of the ditch deepens on the number of sq. ft. needed. Start the ditch at perc hole #4 and run it along level ground toward perc hole #5. Perc hole #4 is located 110 feet from the back lot line and 60 feet from the right lot line as seen when facing the lot from the back lot line road. Perc hole #5 is located 20 feet from the back lot line and 20 feet from the right lot line as seen when facing the lot from the back lot line. The back lot line is the 380.00 ft. lot line on the Southern ^{End} of lot.

PLANS APPROVED BY Raymond Hodges

DATE 9/19/83

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 APPROVAL ON THIS PERMIT

*CALL 992-2330 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1082

A-29172

250	50	100	150	200	250
200					200
150					150
100					100
50					50

INDICATE NORTH. — NAME ADJOINING ROADWAY AS BASE LINE:

PERMIT CARD _____

SEPTIC TANK, LEVEL _____

CLEANOUTS _____

DISTRIBUTION BOX, LEVEL _____

TILE FIELD, DEPTH _____ FT. TRENCH WIDTH _____ FT.

GRAVEL DEPTH _____ IN. TOTAL LENGTH _____ FT.

NUMBER OF TRENCHES _____ TOTAL BOTTOM AREA _____

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

ABSORBENT AREA _____ SQ. FT.

REMARKS _____

DATE SYSTEM APPROVED _____ INSPECTOR _____

9/18/84
11:00 am

approved
9/20/84
C. Wilson

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH*

P _____
A _____

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
992-2330

ELLICOTT CITY
DISTRICT _____

DATE _____

_____ IS PERMITTED TO INSTALL _____ ALTER _____

ADDRESS _____ PHONE _____

SUBDIVISION Sunset Valley ROAD 1020 Sunset Valley Rd LOT 11

PROPERTY OWNER _____

ADDRESS _____

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

*CALL 992-2330 FOR INSPECTION OF SEPTIC SYSTEMS.

APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES

P.O. BOX 476 ELLICOTT, MARYLAND 21043
TELEPHONE: 992-2330

A 29172

P _____

DISTRICT 3RD

DATE 10/12/78

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 Ross W. + Jeannette A. Christman
VIRGINIA M. GARRATT 988-9716

ADDRESS FORSYTHE ROAD SYKESVILLE, MD. PHONE 301-442-2262

PROPERTY LOCATION: 12149 Iriadelphic Road 21784
Ellicott City, Md. 21043

SUBDIVISION SUNSET VALLEY LOT NO. New # 11 11/14/80
#24 Dec. 2 Plot

ROAD AND DESCRIPTION _____

SIZE OF LOT 1020 Sunset Valley Drive
Sykesville, Md. 21784 TYPE BLDG. _____

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 Bruce D. Burton BLDG. PERMIT SIGNED 9/19/83
AND RETURNED Serial No. 55549

APPROVED BY Raymond Hodges FOR DITCH DATE 2/22/83

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING _____

THIS IS NOT A PERMIT

#24

SOIL PROFILE

0'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	

REMARKS _____

TYPE OF SOIL: _____

TESTED BY _____ ALSO PRESENT _____

Permit

APPLICATION

A 29172

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P _____

HOWARD COUNTY HEALTH DEPARTMENT
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PROPERTY OWNER VIRGINIA M. GARRATT

ADDRESS FORSYTHE ROAD SYKESVILLE, MD. PHONE 301-442-2262
21784

PROPERTY LOCATION:

SUBDIVISION SUNSET VALLEY LOT NO. New #11 11/14/80
2A Plat

ROAD AND DESCRIPTION SUNSET VALLEY DRIVE

SIZE OF LOT 3.0 AC. ± TYPE BLDG. SINGLE FAMILY RESIDENCE

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE.

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ANY CIRCUMSTANCES.

SIGNATURE OF APPLICANT Bruce D. Burt

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

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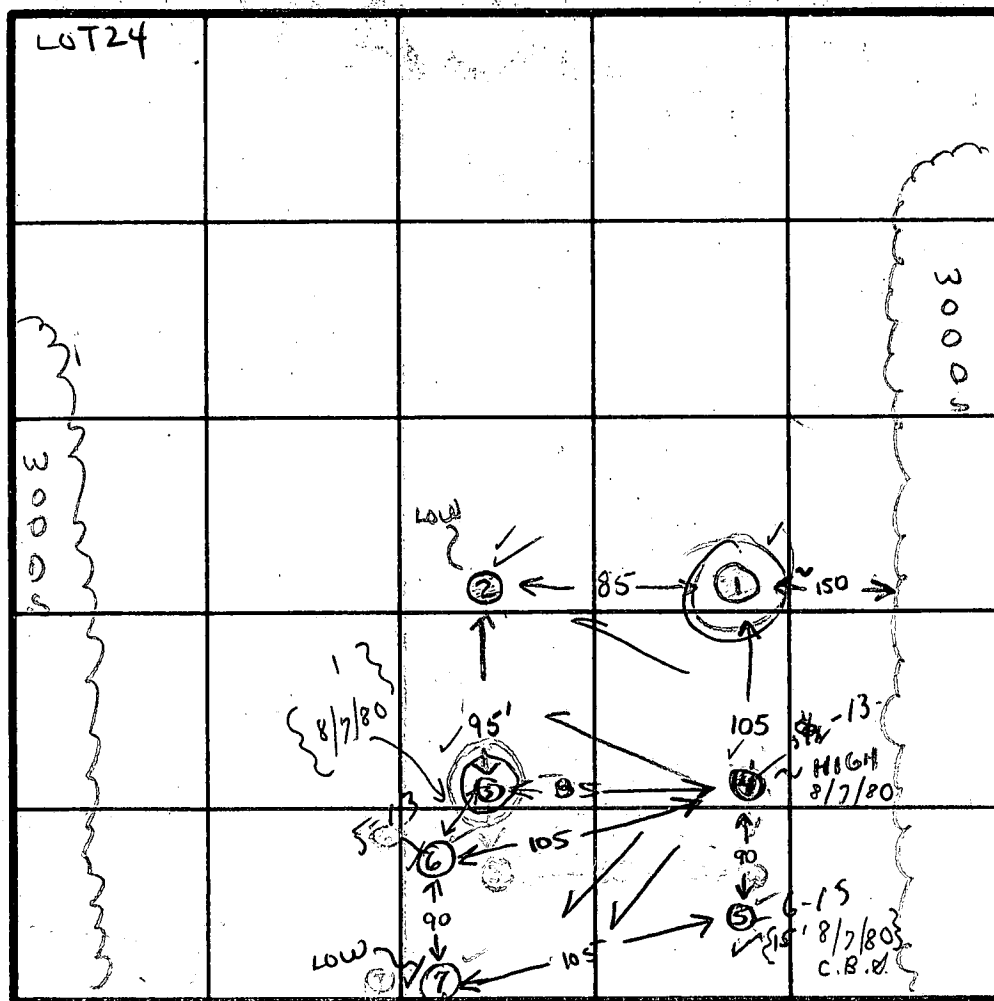
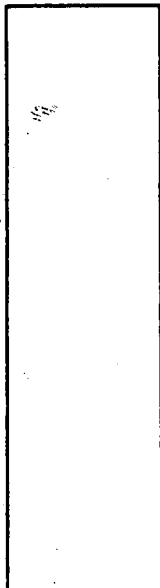
REASONS FOR REJECTION OR HOLDING _____

THIS IS NOT A PERMIT

24
New # 11

SOIL PROFILE

0'



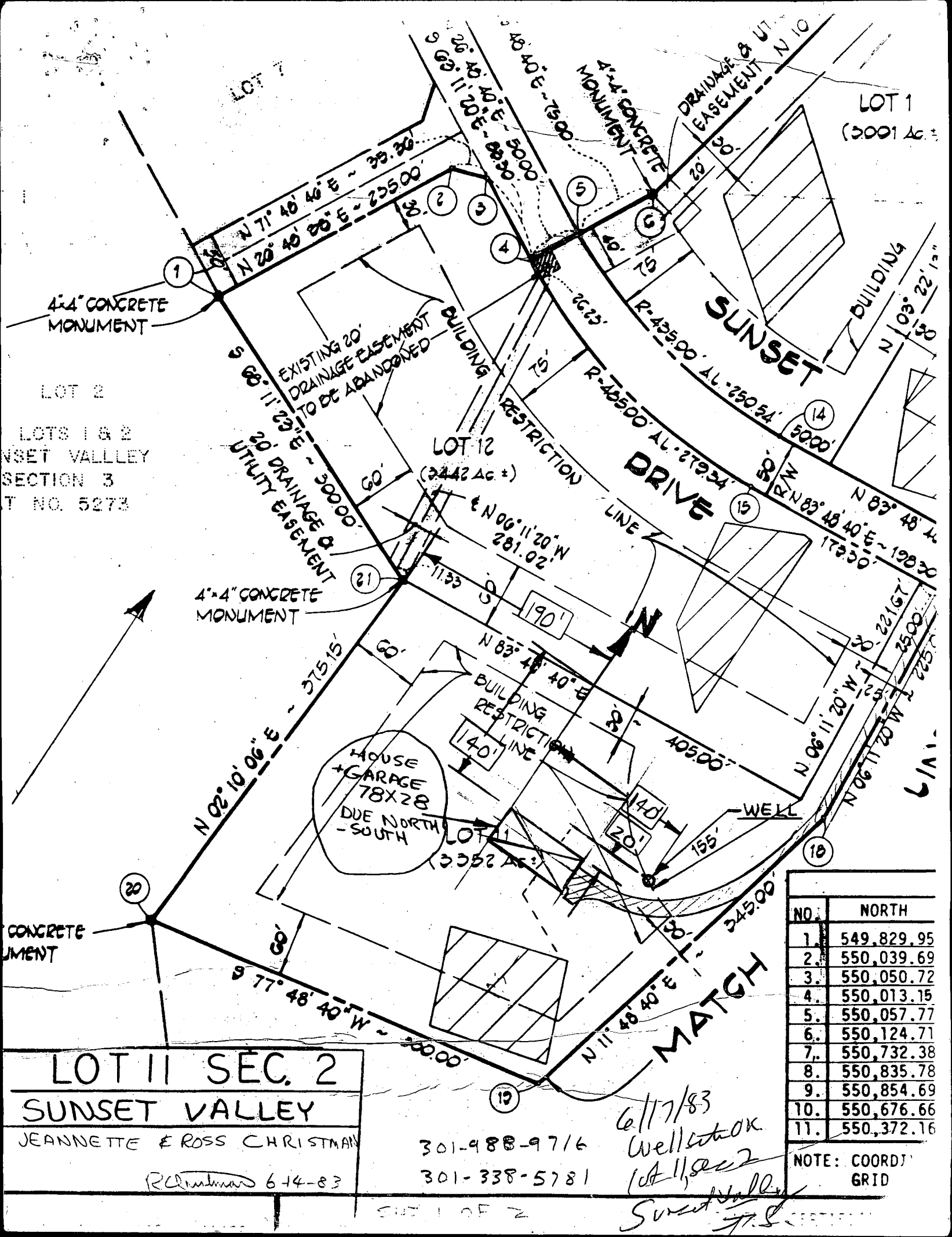
INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
12/18/78	1S	6'	145	156	156	226	3/4" fails
	1D	CLAYEY LOAM TO 10'		SANDY	10-12'		
	2S	5'	219	223	223	228	5
	2D	13'	219	229	229	239	10
	3S	7'	241	301	no drop		fails
	3D	12'	CLAYEY LOAM 5' - 12'				
	4S						
	4D	13'	335	346	346	401	15'
	5S	6'	1124	1126	1126	1130	4
	5D	13'	1124	1126	1126	1134	8
12/19/78	7S	5'	1129	1131	1131	1140	9
	7D	13'	1129	1131	1131	1141	10
	6S	5'	1133	1148	1148	1205	17
	6D	13'	1133	1138	1138	1144	6
	7S	5 1/2'	212	226	226	246	20
8/7/80	(4S)	5 1/2'	230	250 1/2"	fails		fails
	5m	8'	240	245	245	249	4
	4	6'	10:16	10:20	10:20	10:25	5m
						10	98

DIFF new shelf
LOCATED
1'-6' clayey L. located
6'-14' LOAM
FIELD SHEET
(TO USE 4, 5, 6, 7)

sandy loam
unstable
good ground
6'
10 min.
C/B

REMARKS VARIABLE clay layer
TYPE OF SOIL clay loam below clay-sand loam deep
TESTED BY GLK 3, PB ALSO PRESENT



NO.	NORTH
1.	549,829.95
2.	550,039.69
3.	550,050.72
4.	550,013.15
5.	550,057.77
6.	550,124.71
7.	550,732.38
8.	550,835.78
9.	550,854.69
10.	550,676.66
11.	550,372.16

NOTE: COORD.
GRID

LOT 12 SEC. 2
SUNSET VALLEY

JEANNETTE & ROSS CHRISTMAN
R-614-83

301-988-9716
301-338-5781

6/17/83
Well OK
1st 11, sec 2
Sunset Valley

B 1 0207

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

please print or type

OEP PERMIT NUMBER

H0-81-0192

fill in this form completely

Date Received

06/21/83

OWNER INFORMATION

CHRISTMAN ROSS

12649 TRIPLE CREEK RD

ELLICOTT CITY MD 21043

DRILLER INFORMATION

Ralph Mayne

Ralph Mayne (well Drilling)

9120 Brown Church Rd. Mt. Airy MD

Ralph Mayne 6/20/83

Signature Date

WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) 5

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500

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)

APPROXIMATE DEPTH OF WELL 150 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH

METHOD OF DRILLING (circle one)

- BORED (or Augered) JETTED Jetted & DRIVEN
- ☒ AIR-ROTARY ☐ AIR-PERCussion ☐ ROTARY (Hydraulic Rotary)
- ☐ CABLE ☐ REVERSE-ROTARY ☐ DRIVE-POINT

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)

APPROX. PERMIT NUMBER GAP

FORCE FS WRITE INITIALS IN BOX PERMIT NO. H0-81-0192

SPECIAL CONDITIONS

LOCATION OF WELL

HOWARD

8 COUNTY

SUNSET VALLES

23 SUBDIVISION

SECTION 2 LOT 1

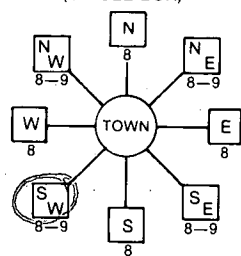
SVRESVILLE

52 NEAREST TOWN

MILES FROM TOWN (enter 0 if in town) 3 MI

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Sunset DR.

NEAR WHAT ROAD

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



DISTANCE FROM ROAD 3.50

ENTER FT or MI 3.50

NOT TO BE FILLED IN BY DRILLER
HEALTH DEPARTMENT APPROVAL

HOWARD

COUNTY NAME

A29172

COUNTY NO.

OEP

STATE HEALTH

SIGNATURE

INSERT S

DATE ISSUED

07/14/83

Frank Skinner

11/1/84

NORTH

GRID

549000

50

55

EAST

GRID

0805000

57

63

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

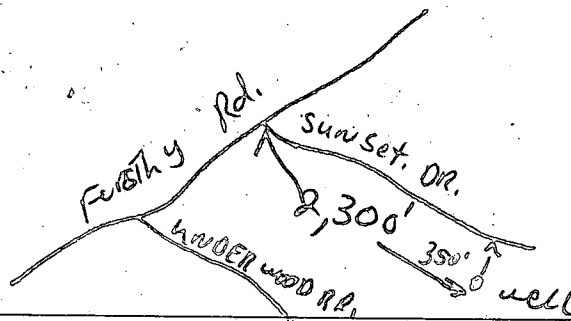
E 800 5

N 540 9

DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION

N

SVRESVILLE



FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 81-0192
Location of property (road) Sunset Drive
Subdivision Sunset Valley Lot 11 Block Plat Sec. 2
Well Driller Ralph Mayne Owner Russ Christian

Depth of well 180'
Distance of measuring point (M.P.) above ground 1'
Static water level (S.W.L.) below M.P. 39'

I. High rate pumping -- reservoir drawdown

Time pump started 9:30 Pumping rate 9 GPM
Total time 15 min to reach pumping water level 39 ft. below M.P.

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

[illegible]

8/10/84 - Fittings & lines installed at 4 ft
below grade.

No work completed inside house JS.

HOUSE

1ST FLOOR ELEV 123'
BASEMENT ELEV 114'

- ① INVERT OUT OF HOUSE
116'8" ELEV.
- ② INVERT INTO SEPTIC TANK
116'4" ELEV.

SEPTIC TANK 1,000 GAL MIN
EXIST ELEV 118

- ③ INVERT OUT OF SEPTIC
TANK 116' ELEV.
- ④ DEEP TRENCH INLET
115'1" ELEV.

ORIG ELEV
AT TIME OF
PERC TEST
120'

EXISTING
ELEV 120'

DEEP TRENCH
200 SQ.FT ONE
SIDEWALL X
3 BEDROOMS
2 FT WIDE,
10 FT DEEP, INLET
4 1/2' BELOW ORIGINAL
GRADE. FILLED
WITH 5' OF STONE.
LENGTH 110'.

DEEP
TRENCH

LOT
3.6 Ac.±

ENTRY
TO
DEEP TRENCH

(APPROX ELEV)

LOT 11 SEC 2
SUNSET VALLEY

JEANNETTE &
ROSS CHRISTMAN

Revised
6-16-83

100 YEAR
FLOOD PLAIN

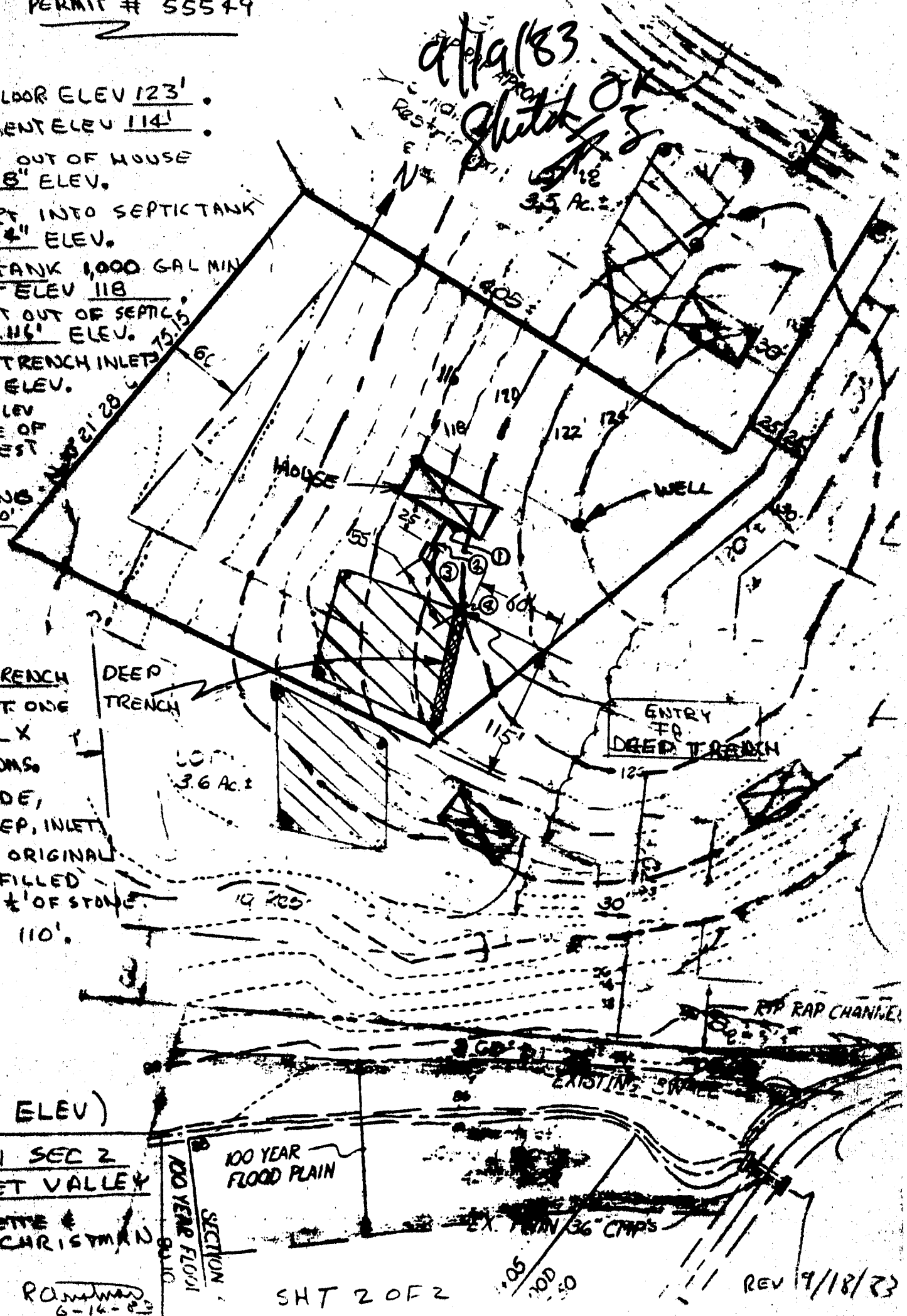
SECTION
100 YEAR FLOOD

SHT 2 OF 2

EX. FLOW 36" CIP'S

REV 9/18/83

9/19/83
Sketch of



C10792SEQUENCE 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.

1236
(THIS NUMBER IS TO BE PUNCHED
IN COLS. 3-6 ON ALL CARDS)

COUNTY
NUMBERA29172

DATE Received

DATE WELL COMPLETED080183

Depth of Well225026
(TO NEAREST FOOT)

PERMIT NO.
FROM "PERMIT TO DRILL WELL"
H0-81-0192

OWNERChristmanRoss
last namefirst name
STREET OR RFDSunset Valley DriveTOWNSykesville
SUBDIVISIONSunset ValleySECTION2LOT11

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
Top Soil	0	2
Sandy	2	50
Sand Stone	50	55
Mica	55	70
Sand Stone	70	80
Mica	80	180

GROUTING RECORD

WELL HAS BEEN GROUTED (Circle Appropriate Box)
YESYNO4444

TYPE OF GROUTING MATERIAL
CEMENTCMBENTONITE CLAYBC

NO. OF BAGS8NO. OF POUNDS800

GALLONS OF WATER

DEPTH OF GROUT SEAL (to nearest foot)
from048TOP52ft. to3554BOTTOM58ft.
(enter 0 if from surface)

CASING RECORD

casing types insert appropriate code below
STSTEELCOCONCRETE
PLPLASTICOTOTHER

MAIN CASING TYPE
Nominal diameter top (main) casing (nearest inch)
Total depth of main casing (nearest foot)
PL660

OTHER CASING (if used)

diameter inchdepth (feet) from to

SCREEN RECORD

screen type or open hole insert appropriate code below
STSTEELBRBRONZEPLOTPHOPEN HOLE
PLASTICOTHER

C2

EACH SCREEN

14058180

DEPTH (nearest ft.)

232426303236

383941454751

SLOT SIZE 123

DIAMETER OF SCREEN5660 (NEAREST INCH)

CIRCLE APPROPRIATE LETTER WHEN THIS WELL WAS COMPLETED
A A WELL WAS ABANDONED AND SEALED.
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. 223

DRILLERS SIGNATURE
(MUST MATCH SIGNATURE ON APPLICATION)
Ralph E. Mayne

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

7072747576

TELESCOPE CASING LOG INDICATOR OTHER DATA

C3

PUMPING TEST

HOURS PUMPED (nearest hour)3

PUMPING RATE (gal. per min. to nearest gal.)9

METHOD USED TO MEASURE PUMPING RATEBucket

WATER LEVEL (distance from land surface) BEFORE PUMPING3720 WHEN PUMPING18025

TYPE OF PUMP USED (for test)
AairPpistonTturbine
CcentrifugalRrotaryOother (describe below)
JjetSsubmersible

PUMP INSTALLED

DRILLER WILL INSTALL PUMP YESNO

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)3135

PUMP HORSE POWER3741

PUMP COLUMN LENGTH (nearest ft.)4347

CASING HEIGHT (circle appropriate box and enter casing height)
+above- below
LAND SURFACE2 (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)

well

300'

300'

300'

300'