

around noon

9/19/78

05-378 796

APP. 9/20/78

P 28645

A 24191

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH*

HOWARD COUNTY

ELLICOTT CITY

DISTRICT 5th

DATE 8/8/78

INDEXED

Liberty Backhoe Service

IS PERMITTED TO INSTALL ☒ ALTER

ADDRESS 7311 Brangles Road, Marriottsville, Md. 21104 PHONE 795-2642

SUBDIVISION Chris Mar Estates ROAD 13430 Chris Mar Court LOT 1

PROPERTY OWNER John L. Millman

ADDRESS 3348 Valley Lee, Laurel, Maryland 20860 Phone: 776-3345

SPECIFICATIONS 3 bedrooms

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 SQ. FT.

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

EFFECTIVE DEPTH AT FT. BELOW ORIGINAL GRADE.

LOCATE DISPOSAL AREA FT. FROM LOT LINE AND FT. FROM LOT LINE AS SEEN WHEN

DRY WELL AND/OR TRENCHES - ^{FACING LOT FROM} System to have 140 sq. ft. effective sidewall absorption area per bedroom to begin below the first 4 ft. of non-porous soil. Maximum depth permitted for dry well or trench is 11 ft. below original grade. Place the dry well 90 ft. from the front lot line and 20 ft. from the left side line as seen when facing the property from Chris ~~Mar~~ Mar Road. Start the trench after a 5 ft. earth buffer with the dry well and proceed to dig it on level ground (running towards left side line) the necessary distance. If trenches only are used they must contain at least 200 sq. ft. effective sidewall absorption area per bedroom. NOTE: TRENCHES NOT ~~TO~~ TO BE CONNECTED IN SERIES. MUST USE DISTRIBUTION BOX OR T'S AND CONNECT TO END NEAREST SEPTICTANK. NO TRENCH TO EXCEED ~~XXX~~ 100 FEET IN LENGTH. PLANS APPROVED BY Frank Skinner DATE 8/30/77

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.

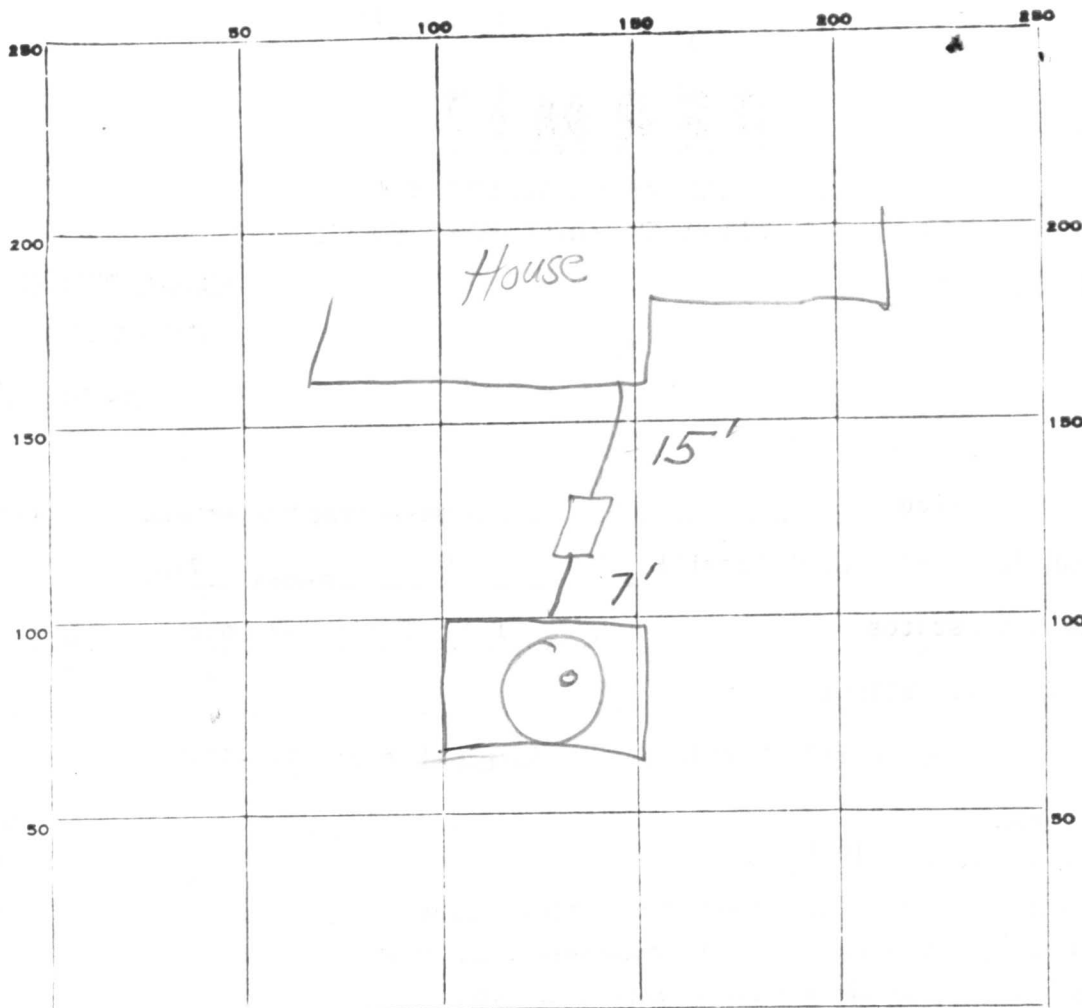
NOTE: ALL PIPE FROM HOUSE TO DISPOSAL AREA MUST BE CAST IRON.

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.

A 24191



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE.

Road

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 Perimeter 60± FT. DEPTH BELOW INLET 8 FT. inlet at 3 1/2

ABSORBENT AREA 425± SQ. FT.

REMARKS _____

DATE SYSTEM APPROVED

7/20/78

INSPECTOR

[Signature]

34969

APPLICATION

A 24191

SEWAGE DISPOSAL TESTING

P _____

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT 3 B.R. 4 B.R. DISTRICT 5th
ENVIRONMENTAL HEALTH SERVICES 1000 gal. septic tank 1250 gal. septic tank

P. O. BOX 476, ELLICOTT CITY, MARYLAND 21043

TELEPHONE: 465-5000, EXT. 356

DATE 10/5/76

Drywell and/or trench system to have 140 sq. ft. effective sidewall absorption area per bedroom to begin below the first 4 ft. of non-porous soil. Maximum depth permitted for drywell or trench is 11 ft. below original grade. Place the drywell 98 ft. from the front lot line and 38 ft. from the right side line as seen when facing the property from Chris Mar Road. Start the trench of a 5 foot earth buffer with the drywell, and proceed to dig it on level ground (running towards the left side line) the necessary distance. If trenches only are used, they must contain at least 200 SQ. FT. effective sidewall absorption area per bedroom, connected in series, and be no longer than 100 ft. apiece. NOTE: Call for inspection of trench before gravel is installed.

TO: THE COUNTY HEALTH OFFICER

ELLICOTT CITY, MARYLAND

Change OK 2.21.78 *sum*

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

PROPERTY OWNER Paul G. Kottis *John Millman*ADDRESS P.O. Box 28, Highland, Md. 20777 PHONE 776-3345PROPERTY LOCATION 3348 Valley Lee, Laurel, Md. 20860SUBDIVISION Chris Mar Estates LOT NO. 1ROAD AND DESCRIPTION Brighton Dm Limited PartnershipCourt A off Highland RoadSIZE OF LOT 1 acre m/1 TYPE BLDG. 3 or 4 bedrooms

NUMBER OF BEDROOMS

IF NOT SINGLE RESIDENCE DESCRIBE _____

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

BLDG. PERMIT SIGNED

AND RETURNED 4/20/78SIGNATURE OF APPLICANT Is/ Paul G. KottisAPPROVED BY Frank Skinner FOR drywell + trench DATE 8/30/77

(KIND OF SYSTEM)

REJECTED BY _____ FOR _____ DATE _____

(KIND OF SYSTEM)

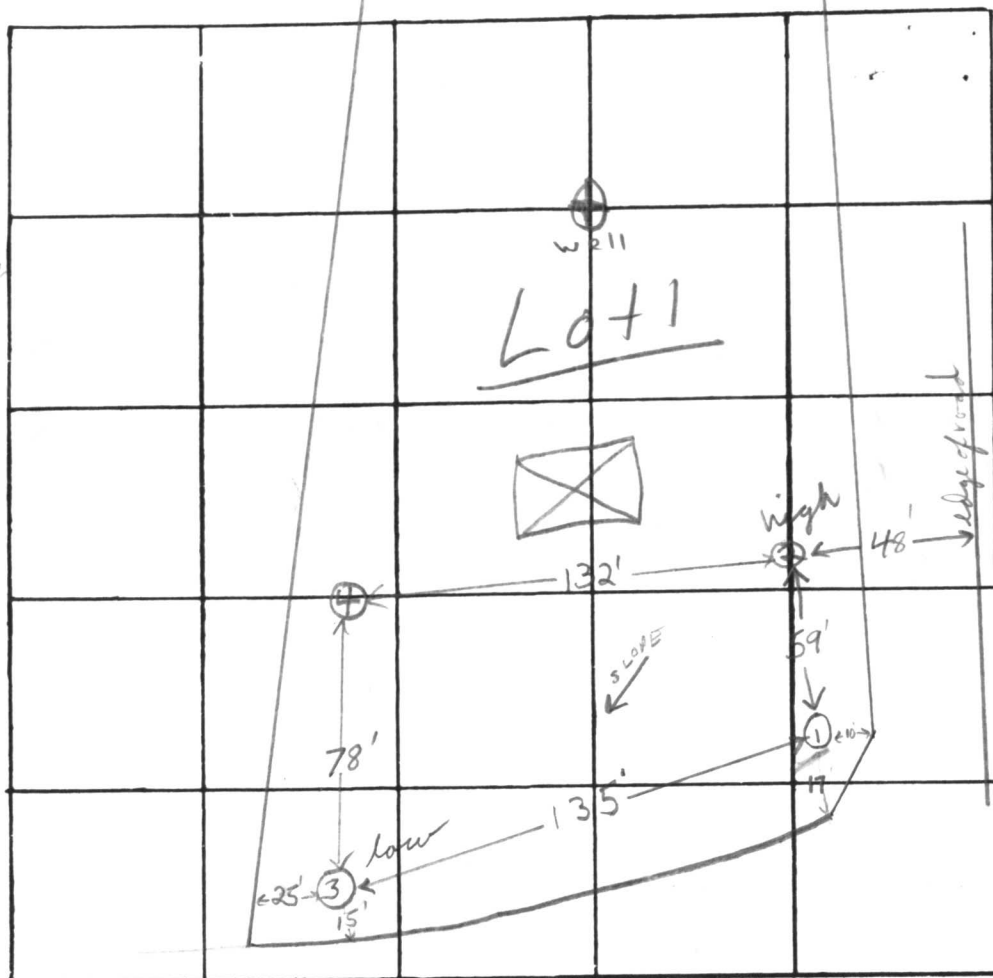
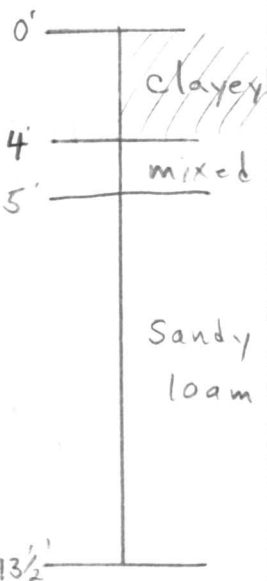
HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING _____

THIS IS NOT A PERMIT

A-24191

all holes



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE

COURT "A"

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
9/22/76	1	5'	9:59	pulled peg	10:22 1/4"	Drop	FAILED
	1A	13 1/2'	9:59	10:01	10:01	10:06	5 min
	2 high	4'	10:10	10:19	10:19	10:34	15 min
	2A	13 1/2'	10:11	10:13	10:13	10:16	3 min
	3 low	5'	10:31	10:33	10:33	10:37	4 min
	3A	13'	10:31	10:33	10:33	10:36	3 min
	1B	6'	10:35	10:59	10:59	SOIL FELL IN PIT	STILL CLAYEY
	4	12'	Clay to 4'; sand & sandy loam below				
	1C new pit	6'	11:11	11:21	11:21	11:47	26 min

9 min avg.
inv. 4 ft.
140 #/B.R.

REMARKS

TYPE OF SOIL

sandy loam below top ~4' clayey soil

TESTED BY

E.S.

ALSO PRESENT:

P. Kott's & crew

3/9/78

Sketch O.K.

Sketch O. N.
LOT NO. 14d held for approved & grouted
AREA = 49,397 sq. ft. well 7' Skimmer

$$AREA = 49,397 \text{ sq}$$

PROPOSED WELL
EXISTING 525

278.59' (RAD. = 2500.00')

289.20'

 $10.61' \text{ (RAD.} = 1750.00')$

1391

90

90

S 09° 37' 54" E

350.511

M. 68, 27.39" W

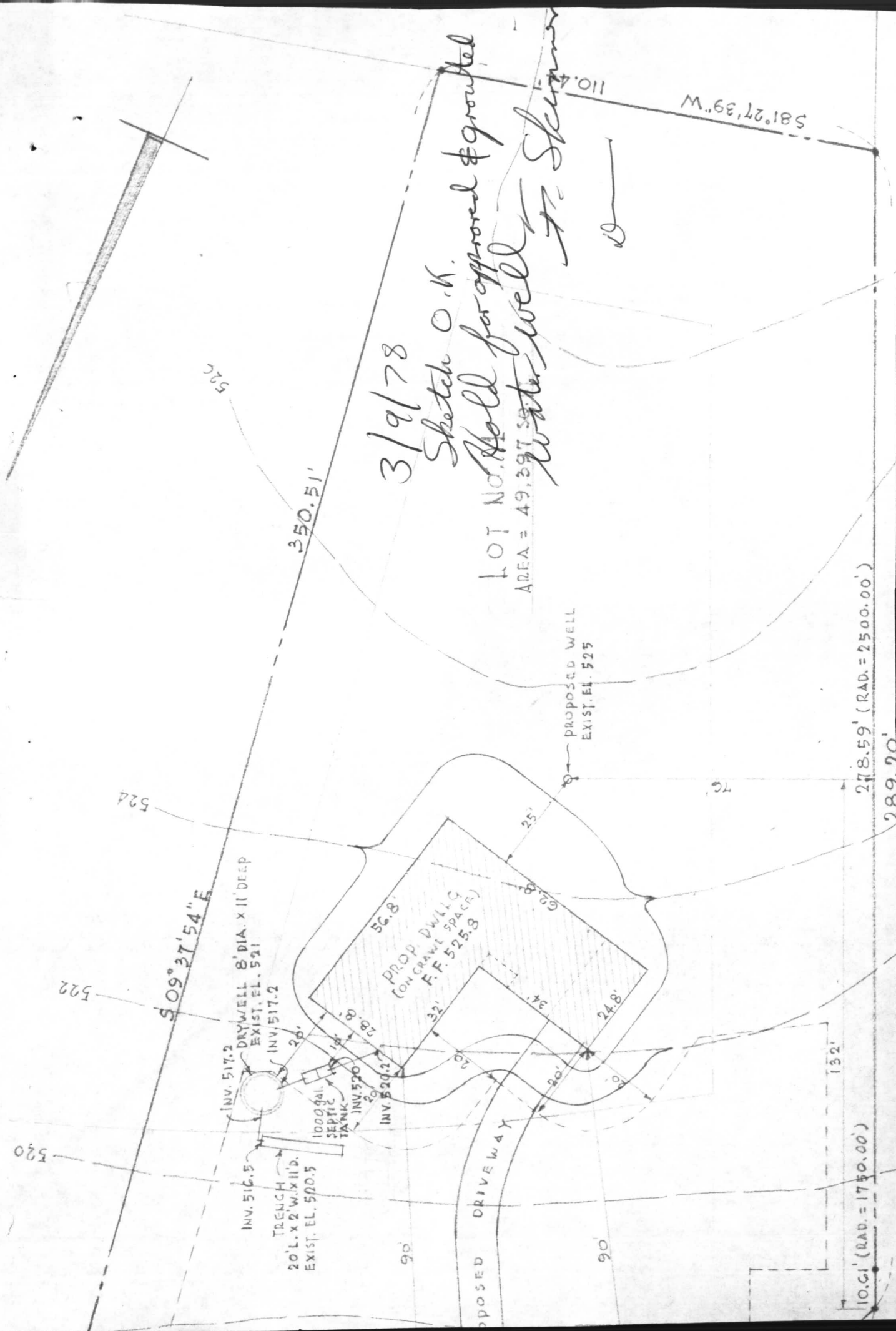
10.47

525

522

524

520



C 1	0078	SEQUENCE NO. (WRA USE ONLY)	STATE OF MARYLAND WATER RESOURCES ADMINISTRATION TAWES STATE OFFICE BLDG., ANNAPOLIS, MD. 21401 WELL COMPLETION REPORT	THIS REPORT MUST BE SUBMITTED WITH- IN 30 DAYS AFTER WELL COMPLETION FILL IN THIS FORM COMPLETELY COUNTY NUMBER W27651
1 2 3 (SEQ. NO.) 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)		DATE RECEIVED (WRA USE ONLY) April 12, 1978 DATE WELL COMPLETED 0 41 278 DEPTH OF WELL 327 22 (TO NEAREST FOOT) 26 PERMIT NO. FROM "PERMIT TO DRILL WELL" 49-73-2654 28 29 30 31 32 33 34 35 36 37 DRILLERS IDENTIFICATION NO. 296		

OWNER Millman, LAST NAME John FIRST NAME
 STREET OR RFD 3348 Valley Lee POST OFFICE Laurel, Md. 20860

WELL LOG STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">DESCRIPTION (USE ADDITIONAL SHEETS IF NECESSARY)</th> <th colspan="2">FEET</th> <th rowspan="2">CHECK IF WATER BEARING</th> </tr> <tr> <th>FROM</th> <th>TO</th> </tr> </thead> <tbody> <tr><td>Dirt</td><td>0</td><td>3</td><td></td></tr> <tr><td>Red Clay</td><td>3</td><td>5</td><td></td></tr> <tr><td>Brown Mica</td><td>5</td><td>12</td><td></td></tr> <tr><td>Brown Sand</td><td>12</td><td>33</td><td>X</td></tr> <tr><td>Hard Brown Sand-Stone</td><td>33</td><td>35</td><td></td></tr> <tr><td>Soft Brown Sand</td><td>35</td><td>40</td><td></td></tr> <tr><td>Hard Brown & Blue Sandstone</td><td>40</td><td>45</td><td></td></tr> <tr><td>Black Sandstone</td><td>45</td><td>51</td><td></td></tr> <tr><td>Opening</td><td>51</td><td>52</td><td></td></tr> <tr><td>Black Sandstone</td><td>52</td><td>64</td><td></td></tr> <tr><td>Brown Sandstone</td><td>64</td><td>65</td><td>X</td></tr> <tr><td>Black & White Sand-Stone</td><td>65</td><td>184</td><td></td></tr> <tr><td>Opening</td><td>184</td><td>185</td><td>X</td></tr> <tr><td>Black & Brown Sandstone</td><td>185</td><td>247</td><td></td></tr> <tr><td>Opening</td><td>247</td><td>249</td><td>X</td></tr> </tbody> </table>	DESCRIPTION (USE ADDITIONAL SHEETS IF NECESSARY)	FEET		CHECK IF WATER BEARING	FROM	TO	Dirt	0	3		Red Clay	3	5		Brown Mica	5	12		Brown Sand	12	33	X	Hard Brown Sand-Stone	33	35		Soft Brown Sand	35	40		Hard Brown & Blue Sandstone	40	45		Black Sandstone	45	51		Opening	51	52		Black Sandstone	52	64		Brown Sandstone	64	65	X	Black & White Sand-Stone	65	184		Opening	184	185	X	Black & Brown Sandstone	185	247		Opening	247	249	X	GROUTING RECORD WELL HAS BEEN GROUTED (CIRCLE APPROPRIATE BOX) <input checked="" type="checkbox"/> Y <input type="checkbox"/> N TYPE OF GROUTING MATERIAL (CIRCLE BOX) CEMENT <input checked="" type="checkbox"/> C <input type="checkbox"/> M BENTONITE CLAY <input type="checkbox"/> B <input type="checkbox"/> C NO. OF BAGS <u>25</u> NO. OF POUNDS <u>2,350</u> GALLONS OF WATER <u>150</u> DEPTH OF GROUT SEAL (TO NEAREST FOOT) FROM <u>0</u> FT. TO <u>46</u> FT. (ENTER 0 IF FROM SURFACE) CASING RECORD INSERT APPROPRIATE CODE BELOW <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">S T</td> <td style="text-align: center;">C O</td> </tr> <tr> <td style="text-align: center;">STEEL</td> <td style="text-align: center;">CONCRETE</td> </tr> <tr> <td style="text-align: center;">P L</td> <td style="text-align: center;">O T</td> </tr> <tr> <td style="text-align: center;">PLASTIC</td> <td style="text-align: center;">OTHER</td> </tr> </table> MAIN CASING TYPE <input checked="" type="checkbox"/> S <input type="checkbox"/> T NOMINAL DIAMETER TOP (MAIN) CASING (NEAREST INCH) <u>6</u> TOTAL DEPTH OF MAIN CASING (NEAREST FOOT) <u>48</u> 60 61 63 64 66 60 61 63 64 66 OTHER CASING (IF USED) DIAMETER (INCH) FROM TO 60 61 63 64 66 60 61 63 64 66 SCREEN RECORD INSERT APPROPRIATE CODE BELOW <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">S T</td> <td style="text-align: center;">B R</td> <td style="text-align: center;">H O</td> </tr> <tr> <td style="text-align: center;">STEEL</td> <td style="text-align: center;">BRASS OR BRONZE</td> <td style="text-align: center;">OPEN HOLE</td> </tr> <tr> <td style="text-align: center;">P L</td> <td style="text-align: center;">O T</td> <td></td> </tr> <tr> <td style="text-align: center;">PLASTIC</td> <td style="text-align: center;">OTHER</td> <td></td> </tr> </table> SCREEN TYPE OR OPEN HOLE C 2 (SEQ. 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Black & White Sand-Stone	65	184																																																																																					
Opening	184	185	X																																																																																				
Black & Brown Sandstone	185	247																																																																																					
Opening	247	249	X																																																																																				
S T	C O																																																																																						
STEEL	CONCRETE																																																																																						
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Black & White
Sandstone 249 302

Brown & White
Sandstone 302 306

Black & White
Sandstone 306 327

140
3
420

15
14
15
15 13

58
72
30
406

32
7
224
2.5
112
1568

11 1/2
3 1/2
8
60-

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