

80-20

PERMIT

SEWAGE DISPOSAL SYSTEM

A 18021

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY

ELLICOTT CITY

DISTRICT 302

INDEXED

DATE 9/4/74

05-355214

Jack Frost

IS PERMITTED TO INSTALL ALTER

ADDRESS Tea Oaks Road, Dayton, Maryland PHONE 286-2939

A SEWAGE DISPOSAL SYSTEM LOCATED AT _____

SUBDIVISION Linden Chapel Hills ROAD 4989 Morningstar Drive LOT 10, Blk. B, Dc

PROPERTY OWNER Ashton RE Realty Company (McKelvey)

ADDRESS Ashton, Maryland

SPECIFICATIONS 4 bedrooms

DRAIN FIELD _____ DEPTH _____ FEET. BOTTOM AREA _____ SQ. FT.

SEEPAGE PITS _____ ABSORBENT SIDE-WALL AREA _____ SQ. FT.

SEPTIC TANK CAPACITY 1250 GALLONS

FOR GARBAGE GRINDER, INCREASE DISPOSAL AREA 25% & TANK CAPACITY 50%.

OTHER DRY WELL - 400 sq. ft. absorbent sidewall area to begin below the first 5 ft. of non-porous soil. Maximum depth permitted is 12 ft. Locate dry well 135 ft. from front lot line and 12 ft. from left side line as seen when facing lot from Morningstar Drive.

NOTE: ALL PIPE FROM HOUSE TO DRY WELL MUST BE CAST IRON. PERMIT VOID AFTER THREE YEARS.

NOTE: INSTALL STYRENE PIPE ON SEPTIC TANK AND DRY WELL.

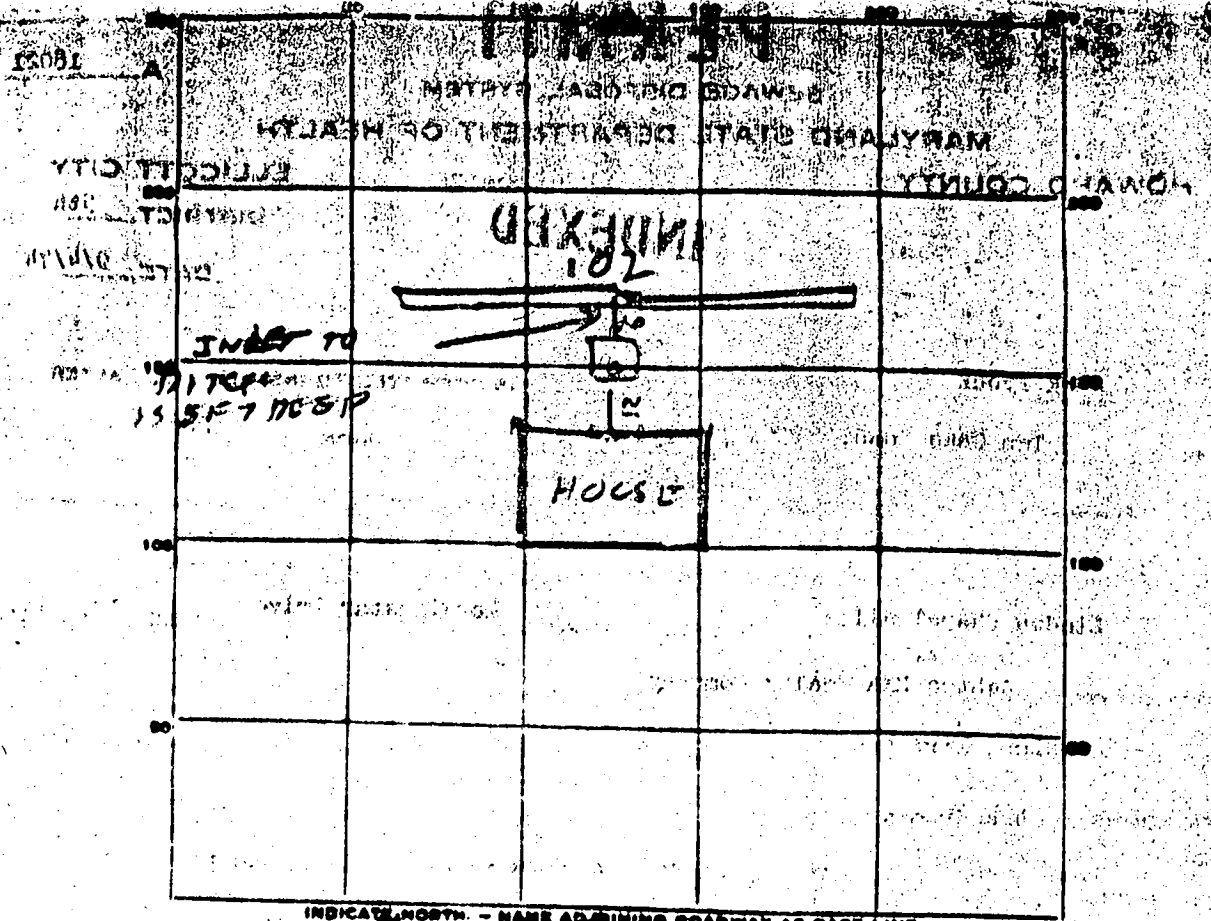
trench 100' - 6" H. pipe

PLANS APPROVED BY Robert V. Torre DATE 12/14/73

FILL SEPTIC TANK AND DISTRIBUTION BOX WITH WATER BEFORE CALLING FOR AN INSPECTION. COVER NO WORK UNTIL INSPECTED AND APPROVED.

NEITHER THE HOWARD COUNTY COMMISSIONERS NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM.

517191-A



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

PERMIT CARD V signal cover all work

SEPTIC TANK, LEVEL 1250 70' CLEANOUTS OK

DISTRIBUTION BOX, LEVEL 25' below grade

FIELD DEPTH 1 FT. TRENCH WIDTH 2

GRAVEL DEPTH 6-7 ft TOTAL LENGTH 102'

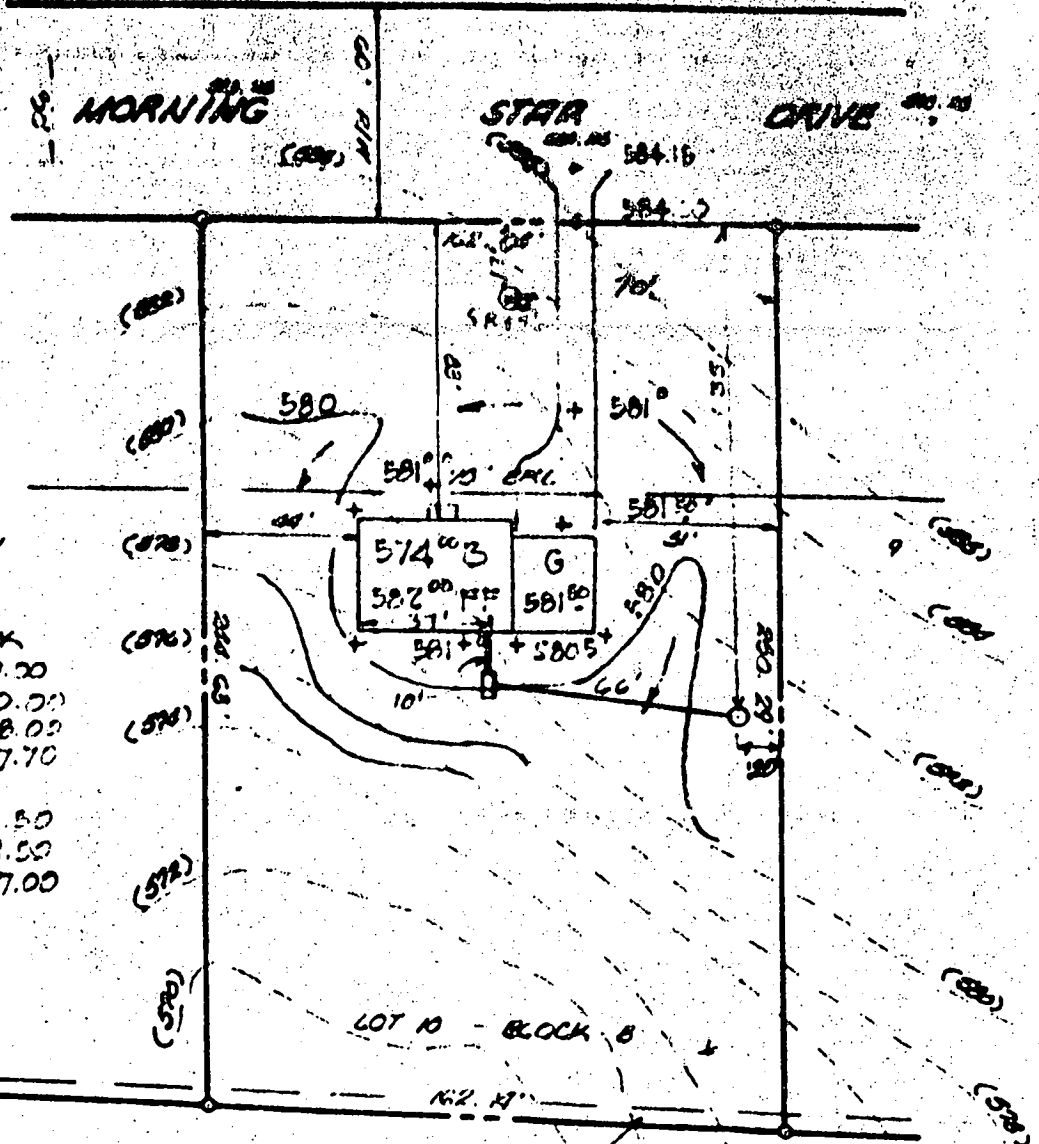
NUMBER OF TRENCHES 1 TOTAL BOTTOM AREA 612

SEEPAGE PITS, INSIDE DIAMETER — FT. DEPTH BELOW INLET 6-7 FT.

ABSORBENT AREA 612 SQ. FT.

REMARKS 10/7/74 FF said OK for Ditch System
Ditch OK. Add Stone & call for Pump checker
Tank & House Sewer as OK also
10/9/74 Gravel in trench to 5-6' from grade. B. Dodger

81221 Jerry Alder



SEPTIC TANK
 EX. GR. 579.00
 FIN. GR. 580.00
 INV. IN 578.00
 INV. OUT 577.70
 DRY WELL
 EX. GR. 581.50
 FIN. GR. 581.50
 INV. IN 577.00

4/29/74



WELL COMPLETION REPORT

COUNTY: **ALCOZ**

DATE RECEIVED (THIS USE ONLY)

DATE WELL COMPLETED: **12/16/77**

DEPTH OF WELL: **200**

WELL IDENTIFICATION NO.: **MG-73-10702**

OWNER: **JESSUP BUILDERS INC**

TEST WELL

PRODUCTION WELL

STREET OR RFD: **BOX 406 BELTSVILLE MD**

POST OFFICE

20795

WELL CLOSURE: **WELL ABANDONED**

REQUIRING RECORD: **WELL HAS BEEN DRILLED (CIRCLE APPROPRIATE BOX)**

TEST DATE: **12/16/77**

STATE THE KIND OF FORMATION PENETRATED, WITH COLOR, GRAIN, THICKNESS AND IF WATER BEARING

FORMATION	FEET	
	FROM	TO
Clay	0	31
Rock	31	200 X

WELL HAS BEEN DRILLED (CIRCLE APPROPRIATE BOX)

TYPE OF DRILLING MATERIAL (CIRCLE BOX)

COMPACT M S T

DRY DRILLING M S T

NO. OF COPS: **12** NO. OF CONCRETE: **1198**

CALLONS OF WATER: **120**

DEPTH OF GROUT SEAL (NEAREST FEET)

FROM **6** FT. TO **31** FT.

UNITED TO GROUND SURFACE

CASING RECORD

(INSERT APPROPRIATE CODE BELOW)

STEEL BI CO CONCRETE

PLASTIC PI OT OTHER

MAIN CASING TYPE: **ST**

NOMINAL DIAMETER TOP INSIDE CASING (NEAREST INCH): **6**

TOTAL DEPTH OF MAIN CASING (NEAREST FEET): **31**

OTHER CASING (IF USED)

DIAMETER (INCH) _____ DEPTH (FEET) _____

SCREEN RECORD

(INSERT APPROPRIATE CODE BELOW)

STEEL SY BR HO OPEN HOLE

PLASTIC PL OT OTHER

DEPTH (FEET)

FROM **0** TO **31**

TO **200**

SCREENING SECTION

DEPTH (NEAREST WHOLE FOOT)

FROM **0** TO **31**

TO **200**

PUMPING TEST

WELL IDENTIFICATION NO. **MG-73-10702**

TEST DATE: **12/16/77**

WELL DEPTH: **200**

WELL CLOSURE: **WELL ABANDONED**

TEST DATE: **12/16/77**

WELL DEPTH: **200**

WELL CLOSURE: **WELL ABANDONED**

TYPE OF PUMPED USED (CIRCLE APPROPRIATE BOX)

AIR AIR DIAPHRAGM DIAPHRAGM TURBINE TURBINE

CENTRIFUGAL CENTRIFUGAL ROTARY ROTARY OTHER OTHER

OTHER OTHER

PUMP INSTALLED

TYPE OF PUMP (WRITE APPROPRIATE LETTERED BOX - SEE ABOVE: A, C, A, D, P, O, T, O)

DRILLED WELL INSTALL PUMP (CIRCLE APPROPRIATE BOX)

CAPACITY: _____

GALLONS PER MINUTE (TO NEAREST GALLON)

PUMP HORSE POWER: _____

PUMP COLUMN LENGTH (NEAREST FEET): _____

CASING WEIGHT (CIRCLE APPROPRIATE BOX)

ABOVE ABOVE CONTACT CONTACT BELOW BELOW

LOCATION OF WELL ON LOT

SHOW PERMANENT STRUCTURE SUCH AS BUILDING, 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

E ELECTRIC LOG OBTAINED

P 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: **Edward Dillon**

SIGNATURE: *Edward Dillon*

DIAMETER OF SCREEN (NEAREST INCH)

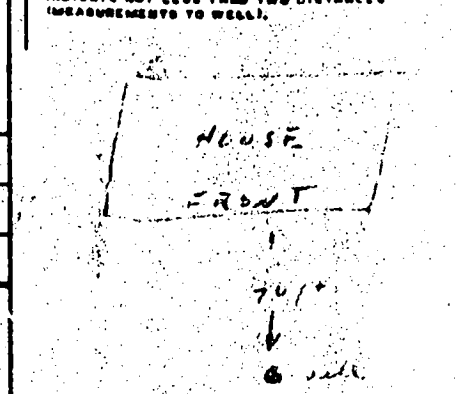
FROM **0** TO **31**

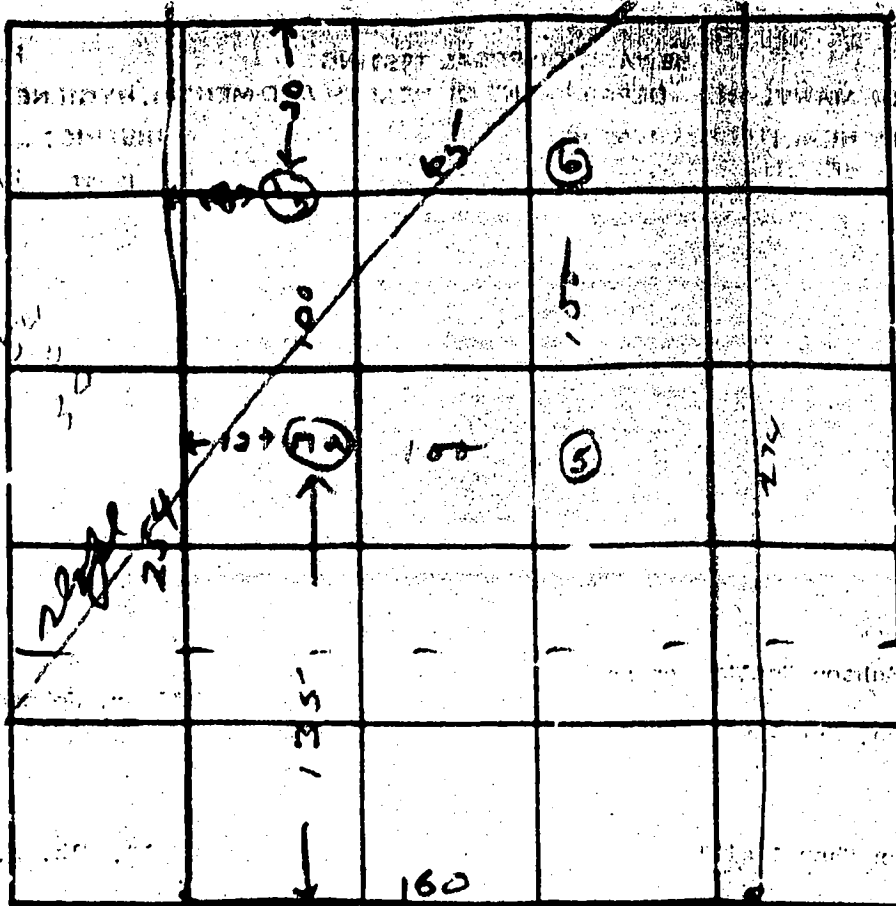
TO **200**

IF WELL DRILLED WAS A FLOWING WELL CIRCLE BOX F

TELESCOPE CASING TELESCOPE CASING LOG INDICATOR LOG INDICATOR OTHER DATA AVAILABLE OTHER DATA AVAILABLE

COLLAPSED IMMEDIATELY





751
0905

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.
 1 To Ten Ocala Rd MORNING STAR DRIVE

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
	1	11 1/2	10 ²⁴	10 ²⁴	10 ²⁴	10 ²⁷	3m	
	2	6 ft	10 ²⁴	10 ²⁰	10 ³⁰	10 ⁴³	13m	
	3	11 1/2	10 ²⁷	10 ³²	10 ³²	10 ⁴⁰	8m	
	4	4 ft	10 ²⁷	Shower Run - over 20 min				
	5	10 1/2 ft	hard soil with 5 ft					
	6		hard soil after 6 ft of clay					
			clear zone 5 1/2 ft.					
			Due to 12 ft - mica					
			good mica soil with deep					
			clay base zone 5 + 6 ft.					

100
6m
9max
depth
5 FT

REMARKS Soil on 3 1/4" depth 5 ft.

TYPE OF SOIL 10B Soil

TESTED BY RT

ALSO PRESENT

C1 07810

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED AFTER WELL IS COMPLETED.

COUNTY NUMBER A 18021

ST/CO USE ONLY DATE Received

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO 94-2726

OWNER McKelvey STREET OR RFD 4989 Morning Star Drive TOWN Dayton SUBDIVISION Linden Chapel Hills SECTION LOT 10

WELL LOG

Not required for driven wells

GROUTING RECORD

WELL HAS BEEN GROUTED (Circle Appropriate Box) TYPE OF GROUTING MATERIAL (Circle one) CEMENT (CM) BENTONITE CLAY (BC) NO. OF BAGS 42 NO. OF POUNDS 3978 GALLONS OF WATER 250 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 40 ft.

C 3

PUMPING TEST

HOURS PUMPED (nearest hour) 8 9 PUMPING RATE (gal. per min.) 11 15 METHOD USED TO MEASURE PUMPING RATE WATER LEVEL (distance from land surface) BEFORE PUMPING 17 20 ft. WHEN PUMPING 22 25 ft. TYPE OF PUMP USED (for test) A air P piston T turbine C centrifugal R rotary O other J jet S submersible

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

3 dry wells back filled - 440' 40 drilling materials 40 - 0 cement 520' 40 drilling materials 40 - 0 cement 300' 40 drilling materials 40 - 0 cement

CASING RECORD

casing types insert appropriate code below (ST, CO, PL, OT) MAIN CASING TYPE Nominal diameter top (main casing) (nearest inch) Total depth of main casing (nearest foot)

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

SCREEN RECORD

screen type or open hole insert appropriate code below (ST, BR, HO, PL, OT)

NUMBER OF UNSUCCESSFUL WELLS: 3

WELL HYDROFRACTURED (Y/N)

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 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT...

DRILLERS LIC. NO. 1 MS D024 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) LIC. NO. 1 D

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

DEPTH (nearest ft.)

Table with columns for depth (1-21, 23-36, 38-51) and rows for casing types (E, A, C, H, S, R, E, N) and slot size/diameter of screen.

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

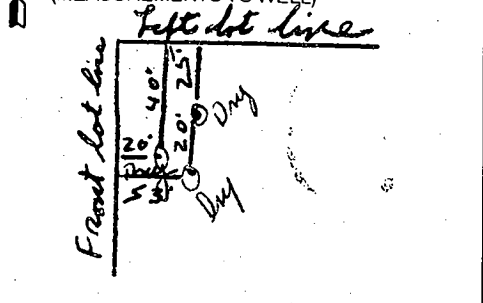
MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q

TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMP INSTALLED

DRILLER INSTALLED PUMP (CIRCLE) (YES or NO) IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS. TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 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) LAND SURFACE (nearest foot)

LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURES AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)



Logged In

B 1 09748

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL please print or type

STATE PERMIT NUMBER

HO - 94 - 2726

fill in this form completely

Date Received (APA)

OWNER INFORMATION

McKinley Robert 4989 Morning Star Dr. Dayton MD 21036

B 3

LOCATION OF WELL

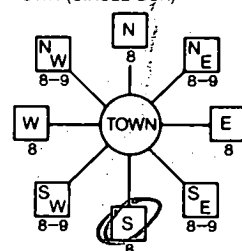
Howard County Linden Chapel Hills Dayton

DRILLER INFORMATION

Joseph L. Mayne MSD 24 5512 Ridge Rd. Mt Airy Md. 21771 6/29/2000

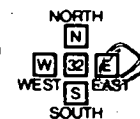
B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



4989 Morning Star Dr. NEAR WHAT ROAD

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



53 DISTANCE FROM ROAD ENTER FT OR MI

B 2

WELL INFORMATION

APPROX. PUMPING RATE 5 (GAL. PER MIN.) AVERAGE DAILY QUANTITY NEEDED 500 (GAL. PER DAY)

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard County 13 - (A18021) DATE ISSUED 06 29 00 EXP. DATE 6/25/01

Cancelled Tag Destroyed

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION FARMING INDUSTRIAL, COMMERCIAL, DEWATERING PUBLIC WATER SUPPLY WELL TEST, OBSERVATION, MONITORING GEO-THERMAL

APPROXIMATE DEPTH OF WELL 300 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-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS THIS WELL WILL DEEPEM AN EXISTING WELL

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) HO - 73 - 0902

Not to be filled in by driller (MDE OR COUNTY USE ONLY)

APPROP. PERMIT NUMBER GAP PERMIT No. HO - 94 - 2726

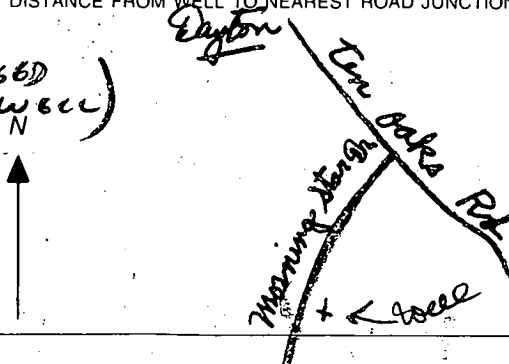
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

- SOURCES OF DRILLING WATER 1. WELL 2. 3.

WRITE THE BOX NUMBER FROM THE MAP HERE

E 900 N 510

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



SPECIAL CONDITIONS

NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

SITE INSPECTION SHEET

OWNER: Mckelvey

DATE REQUESTED: 6/29/00

ADDRESS: 4989 Morning Star Dr.
Linden Chapel Hills-Lot 10

DRILLER/CONTRACTOR: Joe Mayne

WELL TAG NUMBER: HO-94-2726

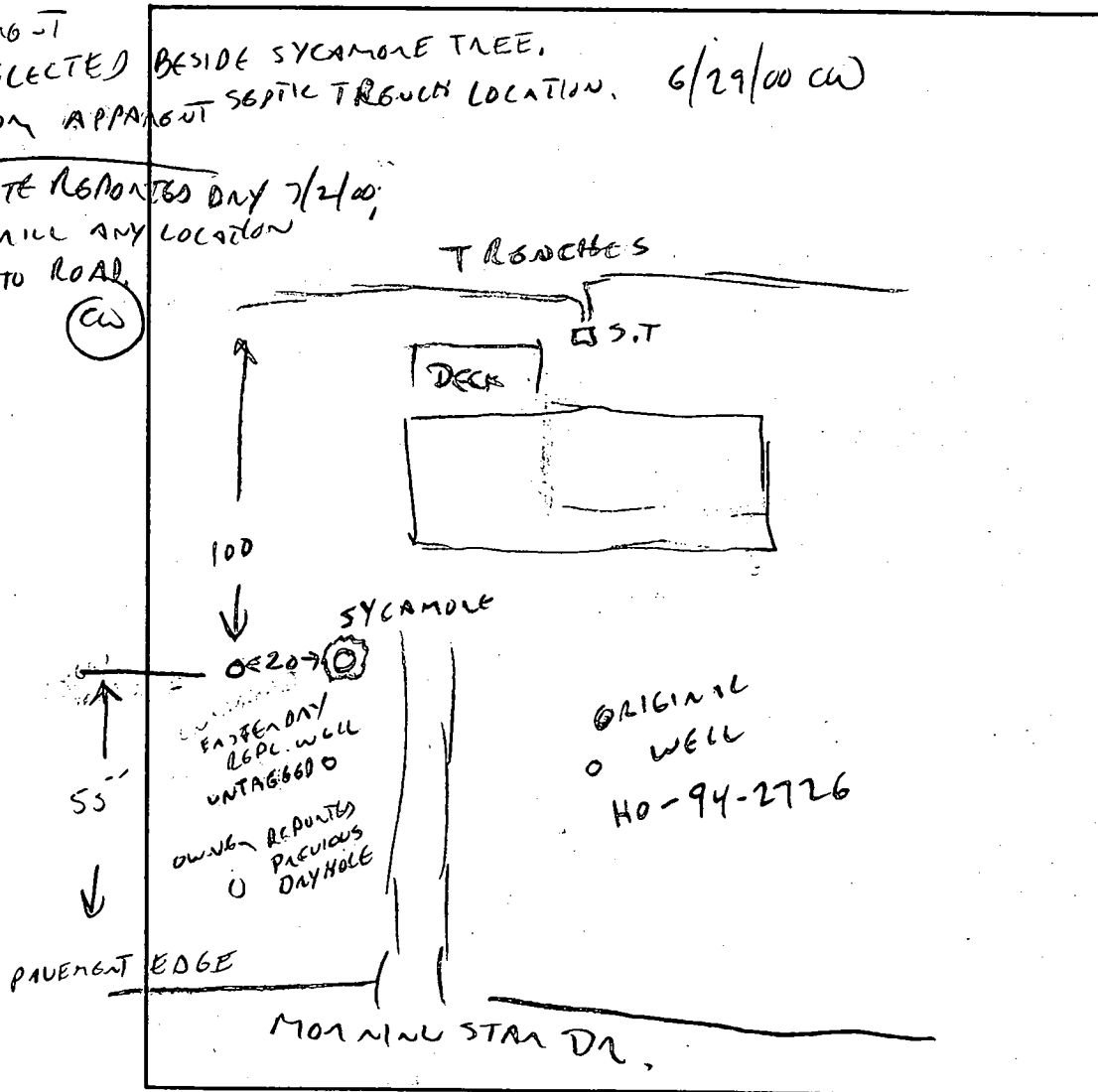
TAX & PARCEL: 28-~~14~~-191

COUNTY: _____

PROPOSAL: Drill Replacement Well

LOCATION DIAGRAM

REPLACEMENT -
SITE SELECTED BESIDE SYCAMORE TREE,
100' FROM APPARENT SEPTIC TRENCH LOCATION. 6/29/00 CW
THAT SITE REPORTED BY 7/2/00;
OK TO DRILL ANY LOCATION
CLOSE TO ROAD.



COMMENTS: _____

DATE: _____

INSPECTOR: _____