

8/11/98  
AM

# PERMIT

## SEWAGE DISPOSAL SYSTEM

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 510207

A 58451-A

DISTRICT 3rd

DATE 6-15-98

RPS# 325792

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
~~XXXXXXXXXX~~ 410-313-2640

DATE SYSTEM APPROVED 8-11-98

INSPECTOR KM

## INDEXED

Fogle's Septic Clean, Inc. IS PERMITTED TO INSTALL  ALTER

ADDRESS 580 Obrecht Rd, Sykesville, MD 21784 PHONE 410-795-5674

SUBDIVISION Knoll View LOT 1 ROAD 13205 Frederick Road (Route 144)

PROPERTY OWNER James R. Moxley, Jr.

ADDRESS \_\_\_\_\_

SEPTIC TANK CAPACITY 1500 GALLONS

NUMBER OF BEDROOMS 5

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 300

TRENCHES - Trench to be 3 feet wide. Inlet 4 feet below original grade. Bottom maximum depth 6 feet below original grade. Effective area begins at 4 feet below original original grade. 2 feet of stone below distribution pipe.

LOCATION - See approved building permit plan for septic system location.

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

OK KM 4-6-98

PLANS APPROVED BY Donna K. Soe DATE 03/26/98

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, 90° ELBOWS NOT ACCEPTABLE.

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

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 35/40 PVC OR ABS

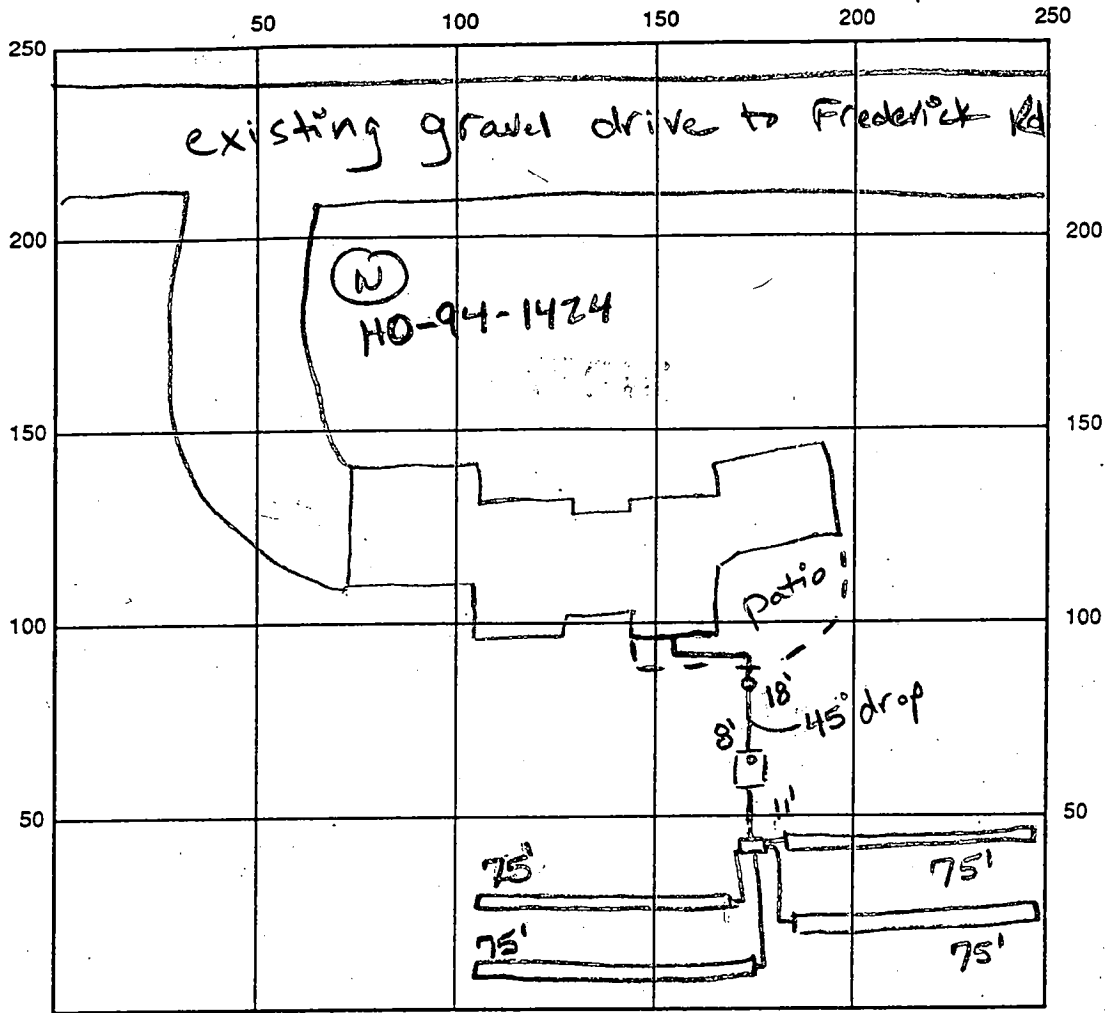
PERMIT VOID AFTER TWO YEARS

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 PVA 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**

A 58451-A



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL ok, 1500 gallons CLEANOUTS 1 on tank, 1 on line

DISTRIBUTION BOX LEVEL ok, baffle in

DRAIN FIELD/TITLE DEPTH 6 FT. TRENCH WIDTH 3 FT. INLET DEPTH 4 FT.

EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH 4x75 FT. → 300

NUMBER OF TRENCHES 4 ONE SIDEWALL/BOTTOM AREA 900 SQ. FT.

DRYWALL INSIDE DIAMETER — FT. EFFECTIVE DEPTH BELOW INLET — FT.

ABSORBENT AREA — SQ. FT.

REMARKS: 8-11-98 has house connection, ok to cover all work (KM)

DATE SYSTEM APPROVED \_\_\_\_\_ INSPECTOR \_\_\_\_\_

5/27/97  
10:00

# APPLICATION

PERCOLATION TESTING

A 58551A

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 313-2840

5/13/97  
2 agricultural lots -  
preview of  
ALM

DISTRICT \_\_\_\_\_

DATE 5/13/97

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER James R. Maxley, Jr. c/o SDC Group, Inc.

ADDRESS 8480 Baltimore National Pike, Suite 417 PHONE 410-465-4244

AGENT OR PROSPECTIVE BUYER Ellicott City, Md, 21043

ADDRESS \_\_\_\_\_ PHONE BLDG. PERMIT SIGNED

PROPERTY LOCATION: \_\_\_\_\_ AND RETURNED 3-26-98

SUBDIVISION KNOLL VIEW LOT NO. 1 and 2 SFD-5Bem

ROAD AND DESCRIPTION Part of "Dawn Acres" - Ag. Preservation Parcels

So. Side of Frederick Pike, 3/4 mi. West of Rte. 32

TAX MAP 15 PARCEL # 8 (13205 Frederick Road)

SIZE OF LOT 40,000 SQ. FT. TYPE BLDG. SINGLE FAMILY DWELLING  
(SINGLE FAMILY DWELLING OR COMMERCIAL)

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. I ALSO AGREE TO COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT. James R. Maxley, Jr.  
(SIGNATURE OF APPLICANT)

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

DISAPPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

HOLD PENDING FURTHER TESTS \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING \_\_\_\_\_

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

# THIS IS NOT A PERMIT

58451A

COUNTY #

SOIL PROFILE

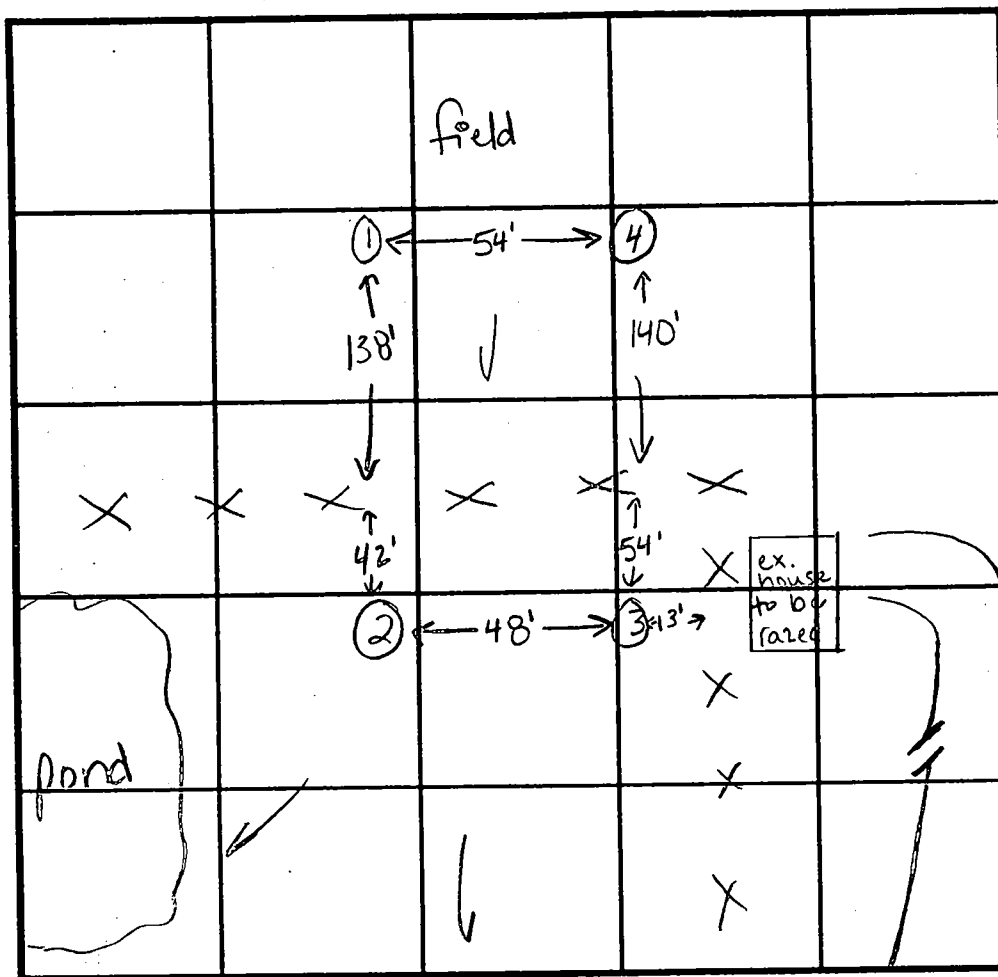
0' (1)  
orange/brown clay lm  
4.0' tan/pink white silty loam  
10% shale

(2)

4.5' orange/brown clay loam  
tan/or white silty loam  
10.0'

(3)

5.5' orange/brown clay lm  
orange tan silty loam  
10% shale fragments  
11.0'



SOIL PROFILE

0' (4)  
orange/brown clay loam  
5.0' tan/pink silty loam  
10% shale fragments  
11.0'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Frederick Road

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
5-27-97	1	5.0'S	10:50	10:53	10:53	10:57	4min	
		11.0'D	visual ok - see profile					
	2	5.5'S	10:24	10:26	10:26	10:34	8min	
		10.0'D	visual ok - see profile					
	3	6.0'S	10:23	10:25	10:25	10:27	2min	
		11.0'D	visual ok - see profile					
	4	5.0'S	10:40	10:41	10:41	10:47	6min	
		11.0'D	visual ok - see profile					

REMARKS test holes staked

TYPE OF SOIL

TESTED BY Kim Maiste

ALSO PRESENT Amy McMillen

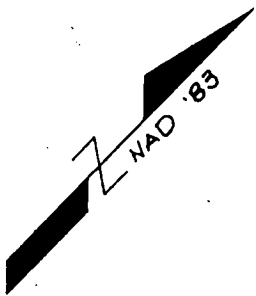
TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 5min

TRENCH WIDTH 2

INLET DEPTH 4

MAXIMUM BOTTOM DEPTH 6

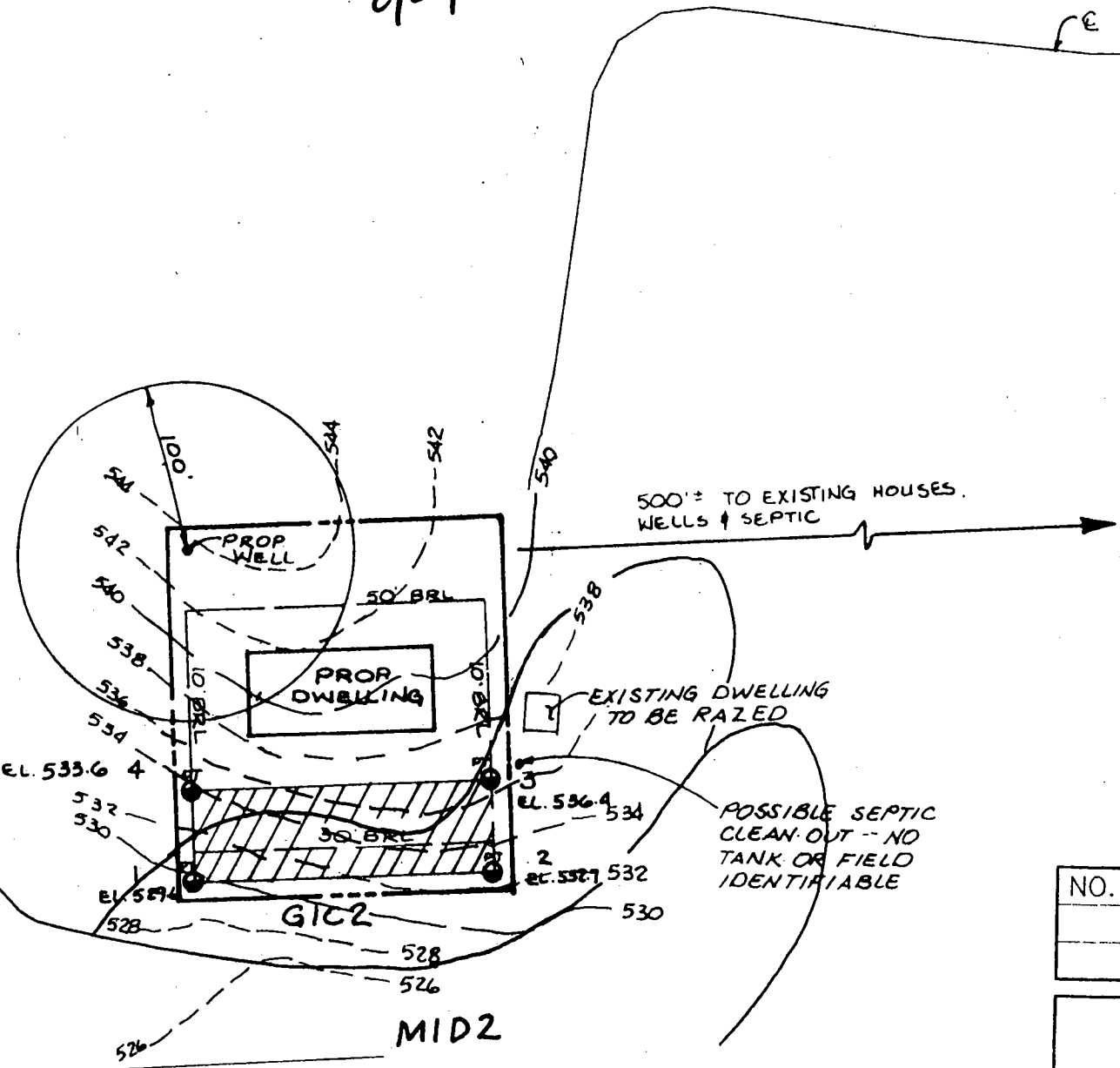
SQ. FT./BEDROOM 180



Copy of signed perc  
certification  
8/20/97

EXISTING 12' DRIVE

ChB2

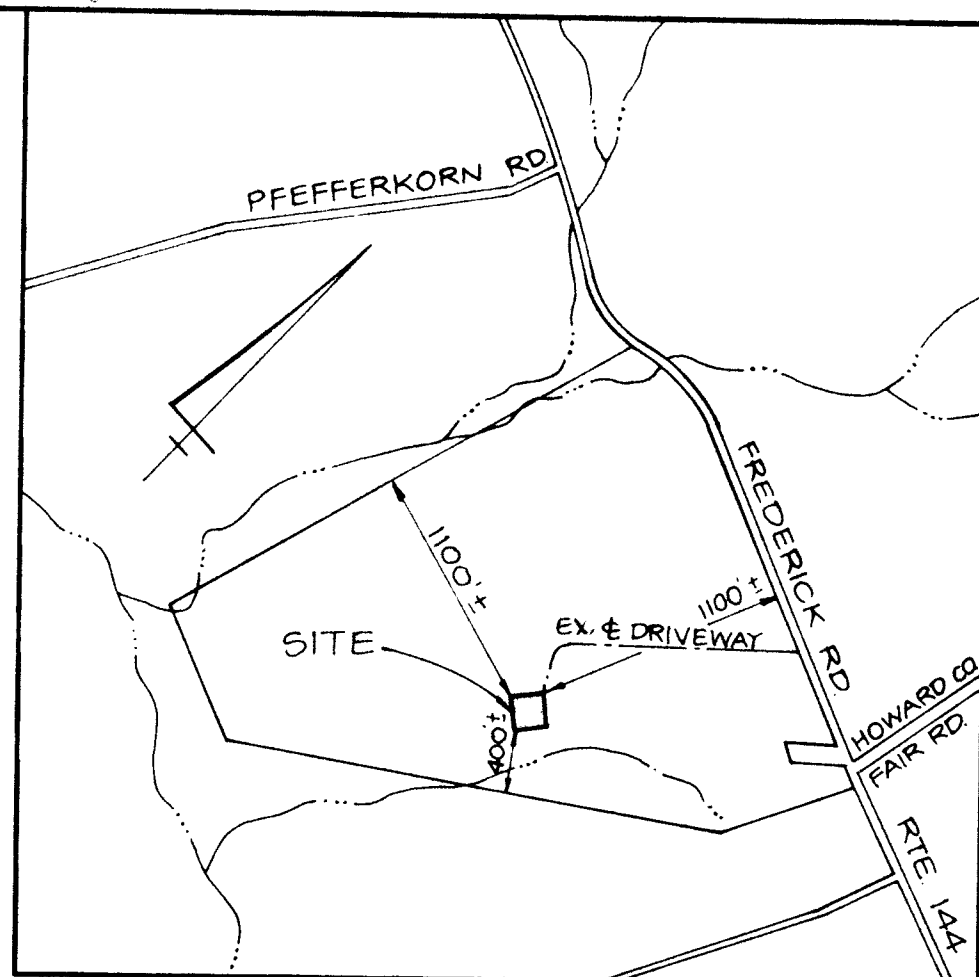


NOTES:

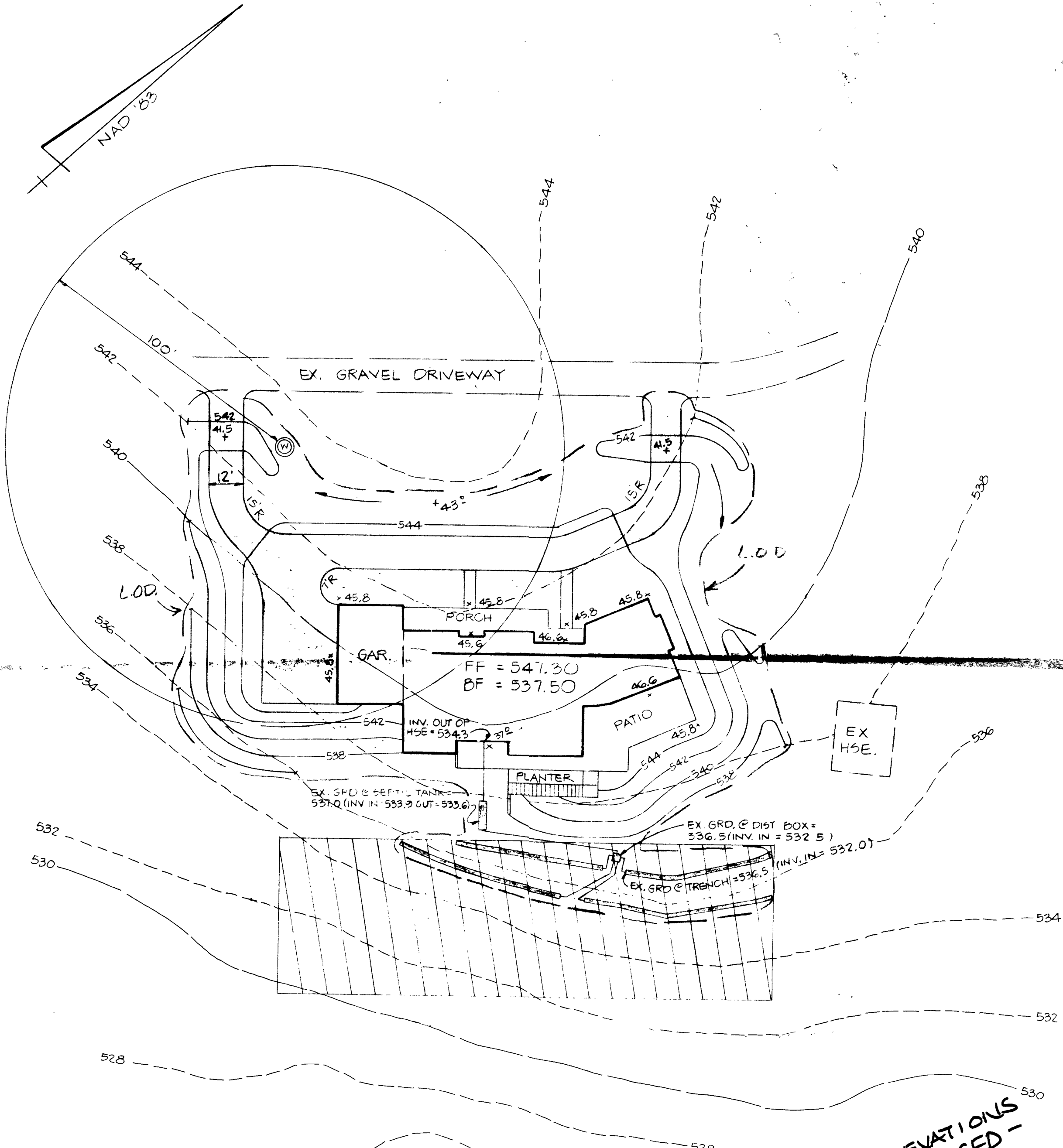
- EXISTING APPROXIMATE AREAS HAVE
- PT INDICATE
- INDICATE
- DESIGN THE MARYLAND STATE IMPROVEMENTS OF THESE EASEMENTS. THE COUNTY ENCROACHMENTS IN EASEMENT PLAT SH
- FIELD SHOT TOPO
- ALL EXISTING WELLS

NO.	DATE

TSA GROUP, INC.  
planning • architecture • engineering



VICINITY MAP  
Scale 1" = 1200'



NOTES:

- INDICATES 25% SLOPE OR GREATER
- DESIGNATES A PRIVATE SEWERAGE EASEMENT OF 10,000 SQ. FT. ± AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWER IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWER SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENTS INTO THE PRIVATE SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT PLAT SHALL NOT BE NECESSARY.
- ALL EXISTING WELLS AND SEPTIC AREAS WITHIN 100 FEET OF THE PROPERTY HAVE BEEN SHOWN. EXACT LENGTH OF SEPTIC TRENCHES TO BE DETERMINED BY THE HEALTH DEPARTMENT AT THE TIME OF PERMIT ISSUANCE.

NO.	DATE	REVISION

TSA GROUP, INC.  
planning • architecture • engineering  
8480 Baltimore National Pike • Ellicott City, Maryland 21043 • (410) 465-8105

OWNER/DEVELOPER:  
JAMES R MOXLEY III  
C/O SDC GROUP, INC.  
P. O. BOX 417  
ELLICOTT CITY, MD. 21043  
PHONE: 410-465-4244

PROJECT:  
**KNOLL VIEW**  
PART OF LIBER 3845 FOLIO 396

LOCATION:  
TAX MAP 15 - PARCEL 8  
3rd ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

TITLE:  
**PLOT PLAN**

DATE: \_\_\_\_\_ PROJECT NO. 0976

DESIGN: MLV DRAFT: MLV SCALE: 1"=30' DRAWING 1 OF 1

Approved Septic System Plan  
Howard County Health Department

*Issued K See 3/20/98*  
Date

Total linear feet of trench required 300 feet  
Width of trench(es) 3 feet  
Depth of trench(es) 6 feet  
Depth of stone required below distribution pipe 2 feet

**\* ELEVATIONS REVISED - PLEASE SEE COPY SIGNED 5-11-98 \* (JRS)**

C1 05138 SEQUENCE NO. (MDE 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. COUNTY NUMBER A58451A

ST/CO USE ONLY DATE RECEIVED 3/3/98

DATE WELL COMPLETED 2 23 98 Depth of Well 360 (TO NEAREST FOOT)

PERMIT NO. FROM PERMIT TO DRILL WELL HO-94-1424

OWNER SDC last name first name TOWN West Friendship STREET OR RD Route 144 SUBDIVISION Knoll View SECTION LOT

WELL LOG Not required for driven wells

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

Table with columns: DESCRIPTION (Use additional sheets if needed), FEET (FROM, TO), check if water bearing. Rows: Brown Shale (0-68), Gray Granite (68-360).

GROUTING RECORD

WELL HAS BEEN GROUTED (Circle appropriate box) YES [Y] NO [N] TYPE OF GROUTING MATERIAL (Circle one) CEMENT [CM] BENTONITE CLAY [BC] NO. OF BAGS 20 NO. OF POUNDS 1880 GALLONS OF WATER 120 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 62 ft.

CASING RECORD

caseing types insert appropriate code below [ST] STEEL [CO] CONCRETE [PL] PLASTIC [OT] OTHER MAIN CASING TYPE [ST] Nominal diameter top (main) casing (nearest inch)! 6 Total depth of main casing (nearest foot) 72

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

SCREEN RECORD

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

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED YES [Y] NO [N]

- 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 26.04.04 "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 LIC. NO. MS D 024 Joseph Mayne

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) Joseph Mayne

LIC. NO. MS D 027

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

DEPTH (nearest ft.)

Table with columns: E, A, C, H, S, R, E, E, N. Rows: 8-11, 15-17, 21, 23-24, 26, 30-32, 36, 38-39, 41, 45-47, 51. Slot size 1, 2, 3. DIAMETER OF SCREEN (NEAREST INCH) 56-60 from to

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

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

70 72 74 75 76 TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMPING TEST

HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min.) 4 METHOD USED TO MEASURE PUMPING RATE Bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 30 ft. WHEN PUMPING 235 ft. TYPE OF PUMP USED (for test) [A] air [P] piston [T] turbine [C] centrifugal [R] rotary [O] other [J] jet [S] submersible

PUMP INSTALLED

DRILLER WILL INSTALL PUMP (CIRCLE) (YES or NO) YES [ ] NO [X]

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

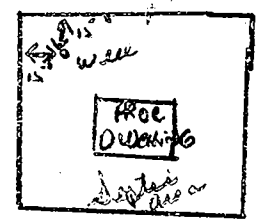
CAPACITY: GALLONS PER MINUTE (to nearest gallon) 31 35

PUMP HORSE POWER 37 41

PUMP COLUMN LENGTH (nearest ft.) 43 47

CASING HEIGHT (circle appropriate box and enter casing height) [X] above LAND SURFACE below (nearest foot) 1

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)



<b>B 1</b>	<b>8086</b>	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND <b>PERMIT TO DRILL WELL</b> please print or type	STATE PERMIT NUMBER <b>HO-94-1424</b> <small>fill in this form completely</small>
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**OWNER INFORMATION**

Date Received (APA) 1/22/98

8 MM DD YY 13

15 Last Name Security Development Corporation Owner First Name 34

36 Street or RFD P.O. Box 417 55

57 Town Ellicott City Md. 70 State 72 Zip 21041 76

**B 3** LOCATION OF WELL

8 COUNTY Howard 21

23 SUBDIVISION Knoll View 42

SECTION 44 46 LOT 1 48 50

52 NEAREST TOWN West Friendship 71

MILES FROM TOWN (enter 0 if in town) 1 1/2 M I 73 76 77 78

**DRILLER INFORMATION**

Driller's Name Joseph L. Magna M S D Y License No. 81 5 D 24

Firm Name Joseph L. Magna Well Drilling

Address 5512 Ridge Rd. Mt. Airy Md. 21771

Signature Joseph L. Magna Date 1/21/98

**B 4**

1 2 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)

11 NEAR WHAT ROAD Md. 144 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

34 37 DISTANCE FROM ROAD ENTER FT OR MI 38 39

TAX MAP: 15 BLK: 9 PARCEL 8

**B 2** WELL INFORMATION

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

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard COUNTY NAME COUNTY NO. 158451A

STATE SIGNATURE Kim Maisto INSERT S →

DATE ISSUED 2-11-98 CO SIGNATURE Kim Maisto EXP. DATE 2-11-99

NORTH GRID 536000 EAST GRID 807 000

**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 APPROVAL)

TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)

APPROXIMATE DEPTH OF WELL 300 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X 2/23/98 AM

SOURCES OF DRILLING WATER

- well
- 
- 

WRITE THE BOX NUMBER FROM THE MAP HERE

E 8067

N 5366

000  
000

**METHOD OF DRILLING (circle one)**

BORED (or Augered) AIR-ROTOR JETTED Jetted & DRIVEN

30 AIR-ROTOR AIR-PERCussion ROTARY (Hydraulic Rotary)

37 CABLE REVerse-ROTAry DRIVE-POINT

other \_\_\_\_\_

**REPLACEMENT OR DEEPEINED WELLS (CIRCLE APPROPRIATE BOX)**

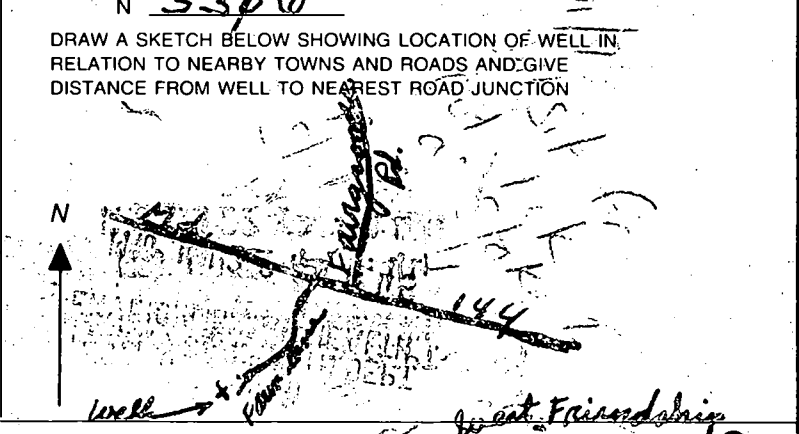
THIS WELL WILL NOT REPLACE AN EXISTING WELL

THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED

39  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 DEEPEIN AN EXISTING WELL

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEINED (IF AVAILABLE) 41 \_\_\_\_\_ 52



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

APPROP. PERMIT NUMBER \_\_\_\_\_ G A P \_\_\_\_\_

FORCE Km WRITE INITIALS IN BOX PERMIT No. HO-94-1424