

10/3/96
SITE PLAN RECO FOR
ADDITION - NO PERMIT APPLICATION
AS OF THIS DATE.

11/12/87
1 PM (final)

11/9/87 pm
11/20

11/13/87 PA
ST. CLEANOUT RECO
P 4/04/33
A 35416

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

INDEXED
05-398967

DISTRICT 5th
DATE 11/4/87
DATE SYSTEM APPROVED 12/17/87
INSPECTOR C. Williams

Paul Schissler/South Carroll Backhoe, Inc. IS PERMITTED TO INSTALL ALTER

ADDRESS 4410 Salem Bottom Road, Westminster, Maryland 21157 PHONE 875-4197

SUBDIVISION Lime Kiln Valley II ROAD 7635 Greendell Lane LOT 30

PROPERTY OWNER Albin Hawkins

ADDRESS _____

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

GARBAGE GRINDER? YES NO

SEPTIC TANK CAPACITY 1250 GALLONS NUMBER OF BEDROOMS 4

43-5' OK
11/18/87

TRENCHES - 225 sq. ft. per bedroom. Trench to be 3 feet wide. Inlet 1 feet below original grade. Bottom maximum depth 4 1/2 feet below original grade. Effective area begins at 4 1/2 feet below original grade. 2 1/2 feet of stone below distribution pipe.

LOCATION - Install as per building permit (#11762) diagram. Place distribution box 170 feet from the rear lot line and 170 feet from the right lot line as seen when facing the property from Green Dell Lane. Run trenches along contour in both directions. Combined trench length to be at least 300 feet.

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

11/14/87 OK TO HAVE 2 TRENCHES EACH 110 FT LONG BECAUSE OF LIMITED SPACE DUE TO STREAM
C. Williams DATE 11/04/87

PLANS APPROVED BY _____ AND WATER WELL EXTRA INSPECTION NEEDED APPROV GRADING TO

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.

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). CHECK DEPTH OF TANK

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. 40" CLEANOUT INSTALLED NOW

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 PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET, MANHOLE TO GRADE REQUIRED.

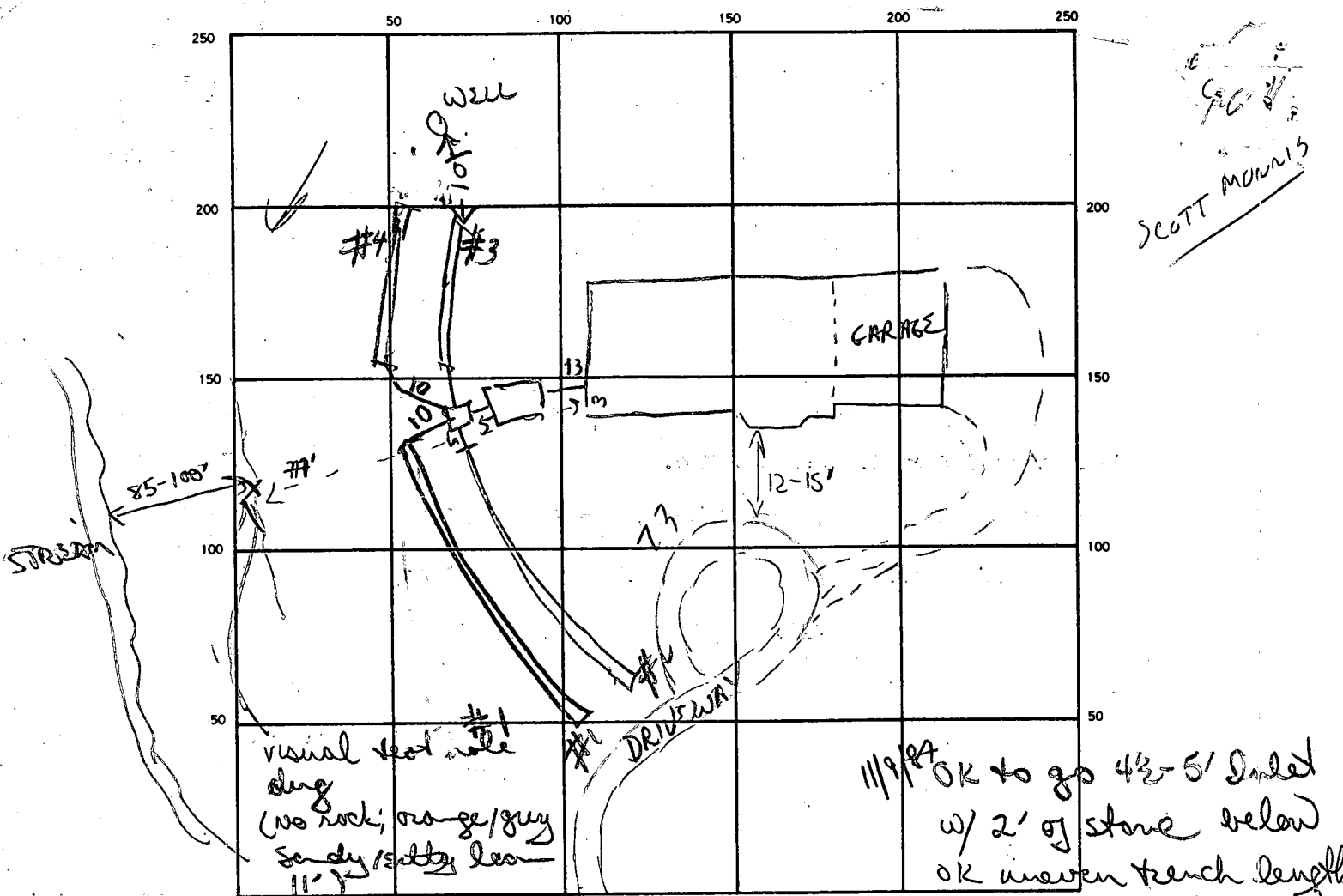
NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES.

*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APROVAL ON THIS PERMIT

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1186

A 35416



SCOTT MANNIS

INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE.
 GREENDELL LANE

SEPTIC TANK. LEVEL _____ CLEANOUTS ST OK etc

DISTRIBUTION BOX. LEVEL _____

1	2	3	4	1	2	3	4	1	2	3
5	5	6	7	3	3	3	3	3	3	3
DRAIN FIELD/TILE FIELD. DEPTH _____ FT.				TRENCH WIDTH _____				INLET DEPTH _____ FT.		
1	2	3	4	TOTAL LENGTH <u>170</u> <u>11</u> <u>44</u> FT.						
1.5	2.5	3	3	EFFECTIVE GRAVEL DEPTH _____ FT.						
NUMBER OF TRENCHES <u>4</u>				ONE SIDEWALL/BOTTOM AREA _____ SQ. FT.						
DRYWELL INSIDE DIAMETER _____ FT.				EFFECTIVE DEPTH BELOW INLET _____ FT.						
ABSORBENT AREA _____ SQ. FT.										

REMARKS 11/9/87 Invert out of house not consistent w/ BP plan. In turn made impossible originally required inlet into trench w/out going towards lower end of "perc" field & leaving future repair areas to close to stream. Dug visual hole on lower side of perc - adjusted depth of trenches accordingly to keep system closer to house.

11/21/87 TRENCH #1 DUG & MOST OF STONE ADDED 11/13/87 TRENCH #

2, 34 FINISHED & TANK HOOKED UP. COVER WORK CALL FOR INSPECTION OF TANK & CLEANOUT

DATE SYSTEM APPROVED 12/17/87 CLEANOUT IN PLACE PER INSPECTOR GUILBERT S. SCOTT MANNIS, 442-2112

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 CITY, MARYLAND 21043
TELEPHONE 992-2330

A 35416
P _____
DISTRICT 5th
DATE April 3, 1985

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 ALBIN HAWKINS
~~Grace A. E. Eisenhardt c/o Tracy, Schulte & Associates, Inc~~
ADDRESS 8450 Baltimore National Pike, Suite 34 PHONE 465-6105

PROPERTY LOCATION:

SUBDIVISION Lime Kiln, Section 2 LOT NO. 33 30

ROAD AND DESCRIPTION Southwest of Green Dell Lane: West of Brown's Bridge Road
Green dell lane off Woodridge Rd

SIZE OF LOT 3.636 Ac 7635 Green Dell La. TYPE BLDG. N/A
(NUMBER OF BEDROOMS)

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.

(SIGNATURE OF APPLICANT)

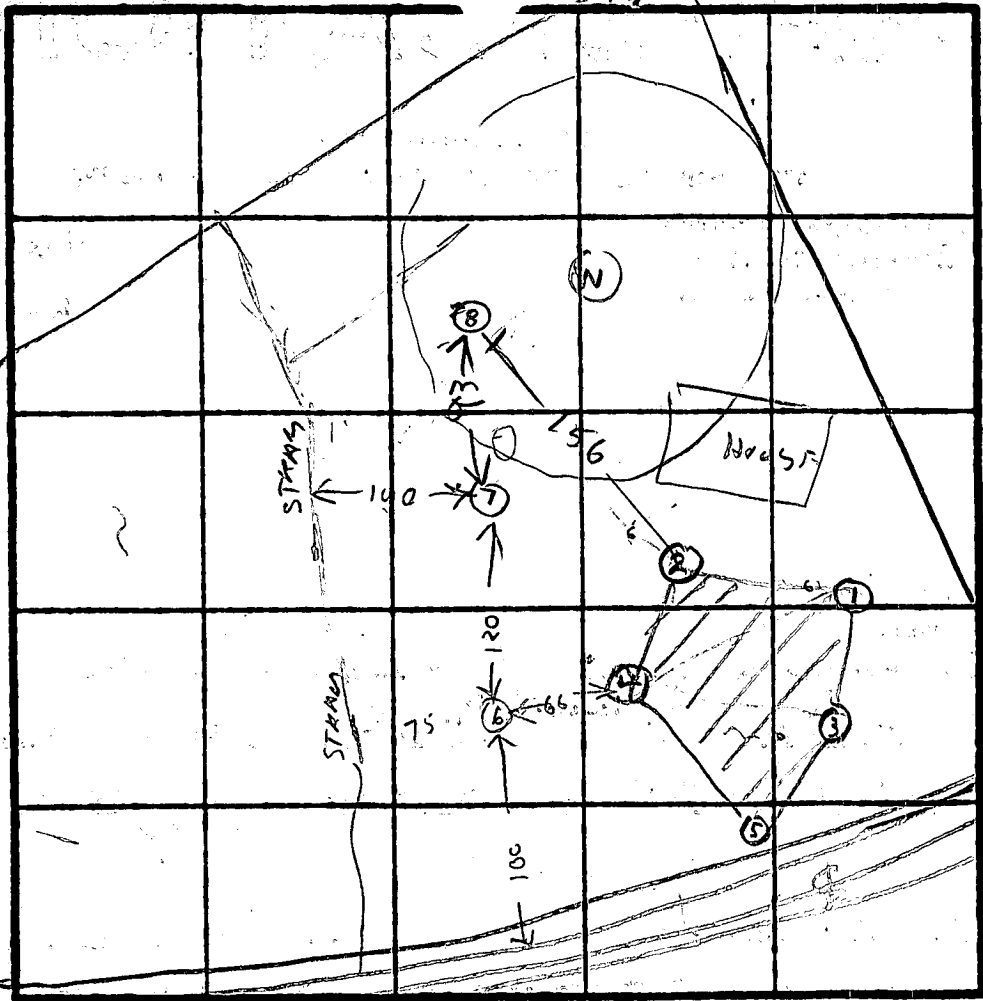
APPROVED BY _____ FOR _____ BLDG. PERMIT SIGNED _____ DATE _____

REJECTED BY _____ FOR _____ AND RETURNED 5-11-87 DATE _____

HOLD PENDING FURTHER TESTS _____ DATE 5/24/85

REASONS FOR REJECTION OR HOLDING 5/24/85 - Per OK Hold for Plat RH
5/28/86 Retested OK Submit Plat
show new house site & well site so we can
redegen Septu System

THIS IS NOT A PERMIT



HOLE ELEVATION
 Don't use
 ③ or 5
 use ① ② ④
 ⑥ ⑦ ⑧

⑥
 SOIL PROFILE

ALL BROWN SAND LOAM
 9.5 ROCK BOTTOM

⑦

ALL BROWN SAND LOAM & FEW ROCKS
 ROCK BOTTOM

⑧

ALL GRAY SAND LOAM
 ROCK BOTTOM

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

EH-12-1079

REMARKS _____

TYPE OF SOIL _____

TESTED BY _____ ALSO PRESENT _____

APPLICATION

SEWAGE DISPOSAL TESTING

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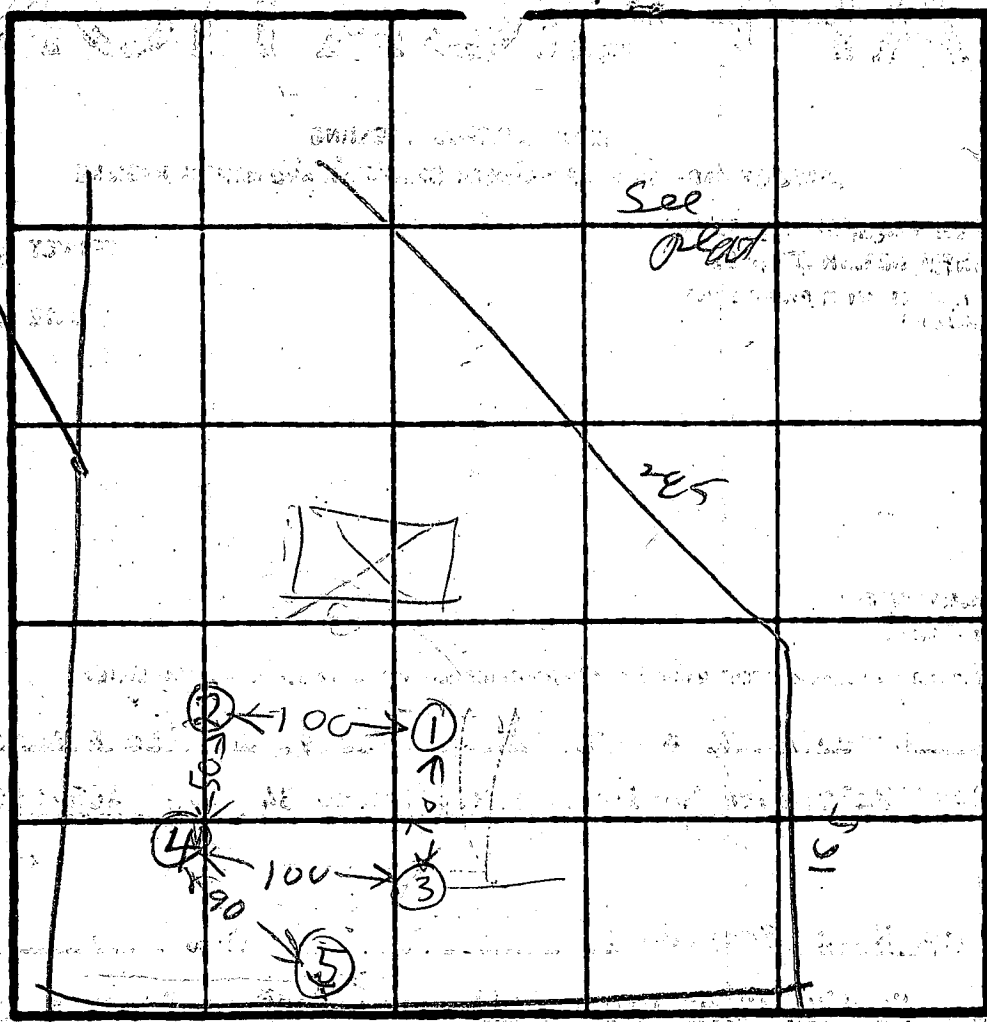
APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING _____

THIS IS NOT A PERMIT



HOLE ELEVATION
 (1)(2) = HIGH
 (4)(5) = LOW
 (3) = MEDIUM

SOIL PROFILE (2)(5)
 BROWN CLAY
 LIGHT BROWN SAND & FEW ROCKS
 HARD BOTTOM

(3)
 TOPSOIL
 BROWN SAND LOAM
 HARD BOT

(4)
 BROWN CLAY TOPSOIL
 BROWN SAND LOAM
 HARD

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE
 RD

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5/24/86	1S	3.5	246	249	249	252	3
	1V	8	LOOKS	OK	BUT SHALLOW		
	2S	2.5	258	300	300	305	5
	2V	8	LOOK	OK	BUT SHALLOW		
	3S	4	311	313	313	316	3
	3V	11.5	LOOKS	OK			
	4S	3.5	323	326	326	329	3
	4V	10	LOOKS	OK			
	5S	3	332	334	334	336	3
	5V	8	LOOKS	OK	BUT		
5/28/86	6S	3	1224	1231	1231	1238	7
	6V	9.5	LOOKS OK	BOT	ROCK BOT	20M	
5/28/86	7S	3	1228	1230	1230	1233	
	7V	8	LOOKS	OK	BUT ROCK	BOTTOM	
5/28/86	8S	3	1241	1242	1242	1243	
	8V	8.5					
See page 2 for location (6)(7)(8) holes							

X TIME 4min
 INLET 3.2
 BOTTOM 4.5

REMARKS HOLES DUG PER SURVEY OR STAKES
 5/21/86 REMEMPHRD HILLS

TYPE OF SOIL
 TESTED BY R. HODGES ALSO PRESENT K. HATFIELD

HOWARD COUNTY HEALTH DEPARTMENT

11

JOYCE M. BOYD, M.D., M.P.H.
COUNTY HEALTH OFFICER



Bureau of Environmental Health
3525 Ellicott Mills Drive
Ellicott City, Maryland 21043

Director - 461-9956
Water & Sewerage, Permits - 461-9933
Community Environmental Health - 461-9944
Technical Services - 461-9955

May 23, 1986

Mr. & Mrs. Donald Crane
15309 Peach Orchard Road
Silver Spring, Maryland 20904

RE: Lot 30
Lime Kiln Valley Estates
Lime Kiln Road

Dear Mr. & Mrs. Crane:

Per your request a site inspection was conducted by Raymond Hodges of this department on April 21, 1986. The inspection revealed, as you had suggested, that the designated septic easement had been damaged during the process of road construction and grading.

This department finds that the change in site conditions is significant enough to withdraw approval of this property as a buildable lot. Additional percolation testing is required to determine if the lot can be restored to buildable status.

Until such time as this can be successfully accomplished, this property is not eligible for issuance of a well or building permit.

If you have any questions relative to this matter, please call me at 461-9933.

Very truly yours,

Craig Williams, Director
Water and Sewerage Program

CW:JR

cc: Security Development

NOTE: A percolation re-test has been scheduled with Security Development for May 28, 1986.

6/3/86 LOT RE-TESTED OK. CLANK SPERRY TO SUPPLY NEW PLANT. CLAYTON HEMP TO SUPPLY NEW WELL LOCATION OR RAY HODGES TO MAKE FIELD INSP. 8/11/86 PLANT REC'D, INACCURATE BUT USABLE. CIW.

B 1 3358

SEQUENCE NO. (OEP USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL

please print or type

OEP PERMIT NUMBER

40-81-1597

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

Date Received

05/06/86

OWNER INFORMATION

CRANE DONALD

1539 PEACH ORCHARD

SILVER SPRING MD 20904

B 3

LOCATION OF WELL

HOWARD

LIME KILN VALLEY

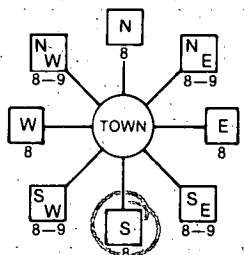
SECTION 2 LOT 30

HIGHLAND

MILES FROM TOWN (enter 0 if in town) MI

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Green DELL LA.

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



DISTANCE FROM ROAD

ENTER FT. or MI

B 2

WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.)

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY)

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)

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

HOWARD COUNTY NAME
A373997 COUNTY NO.
OEP SIGNATURE DATE ISSUED
R Nolon 07/16/86
CO SIGNATURE EXP. DATE
08/13/0000

APPROXIMATE DEPTH OF WELL 150 FEET

APPROXIMATE DIAMETER OF WELL 6" NEAREST INCH

METHOD OF DRILLING (circle one)

BORED (or Augered) JETTED Jetted & DRIVEN
AIR-ROTary AIR-PERcussion ROTARY (Hydraulic Rotary)
CABLE REVerse-ROTary DRive-POINT

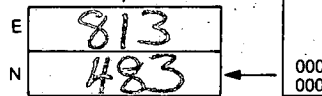
REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

- 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 DEEPEM AN EXISTING WELL
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE)

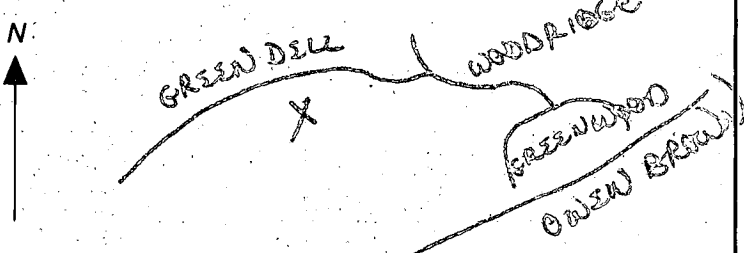
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER

WRITE THE BOX NUMBER FROM THE MAP HERE



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

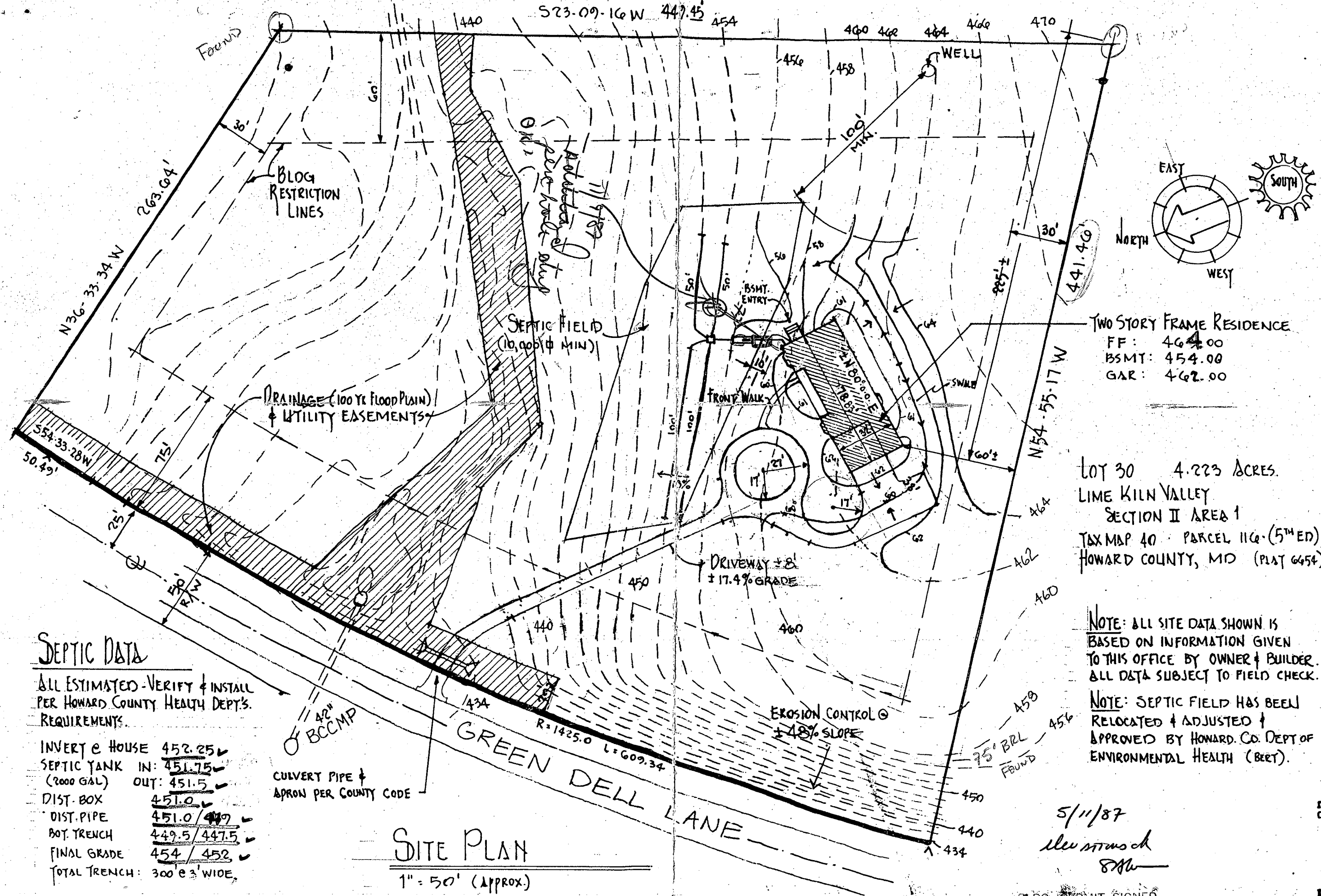


Not to be filled in by driller (OEP USE ONLY)

APPROX. PERMIT NUMBER GAP

FORCE INITIALS PERMIT NO. 40-81-1597

SPECIAL CONDITIONS



SEPTIC DATA

ALL ESTIMATED - VERIFY & INSTALL PER HOWARD COUNTY HEALTH DEPT'S. REQUIREMENTS.

INVERT @ HOUSE	452.25
SEPTIC TANK IN: (2000 GAL)	451.75
OUT:	451.5
DIST. BOX	451.0
DIST. PIPE	451.0 / 449
BOT. TRENCH	449.5 / 447.5
FINAL GRADE	454 / 452
TOTAL TRENCH:	300 e 3' WIDE.

CULVERT PIPE & APRON PER COUNTY CODE

SITE PLAN
1" = 50' (APPROX.)

TWO STORY FRAME RESIDENCE
FF: 464.00
BSMT: 454.00
GAR: 462.00

LOT 30 4.223 ACRES.
LIME KILN VALLEY
SECTION II AREA 1
TAX MAP 40 PARCEL 116 (5TH ED)
HOWARD COUNTY, MD (PLAT 6454)

NOTE: ALL SITE DATA SHOWN IS BASED ON INFORMATION GIVEN TO THIS OFFICE BY OWNER & BUILDER. ALL DATA SUBJECT TO FIELD CHECK.

NOTE: SEPTIC FIELD HAS BEEN RELOCATED & ADJUSTED & APPROVED BY HOWARD CO. DEPT OF ENVIRONMENTAL HEALTH (BERT).

5/11/87
M. J. MCKENNA
SJM

BLDG. PERMIT SIGNED AND RETURNED 4 MAY 87

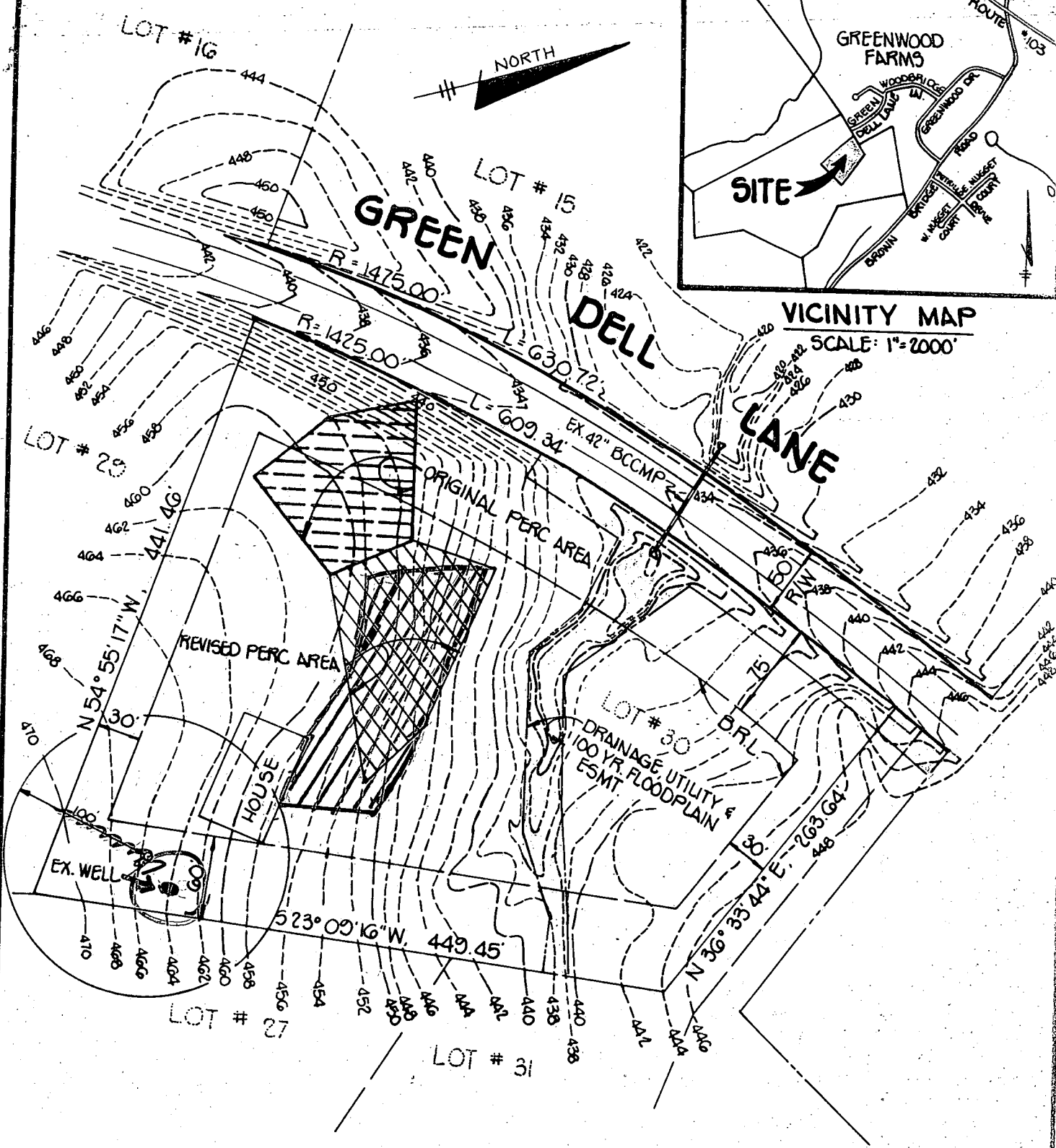
BPE# 11762

creations
ARCHITECTS & PLANNERS
KEVIN J. MCKENNA
P.O. BOX 722 COLUMBIA, MD 21045
301-730-6333

PROPOSED SITE PLAN FOR: THE HAWKINS HOUSE
CRAFTSMEN BUILDERS INC.
SYKESVILLE, MD 301-442-2122

SHEET
S1

17 APRIL 87



PLOT PLAN

LIME KILN VALLEY
SECTION 2, AREA 1 - LOT 30

TAX MAP NO. 40 ZONED R
5TH ELECTION DISTRICT, HOWARD COUNTY, MARYLAND
SCALE: 1" = 100'
DATE: AUGUST 8, 1986 SHEET 1 OF 1

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

Howard County Health Department
 Bureau of Environmental Health
 3525-H Ellicott Mills Drive
 Court House Square
 Ellicott City, Md. 21043
 461-9933

New Installation X
 Replacement

Receipt # 40634
 Date 12/11/87

Name of Installer Zepp Plumbing & Heating Inc.

Telephone 531-6712

License number 1782

Certified Well Pump Installer Well Driller Registered Plumber X

Name of Property Owner Albin Hawkins

Telephone

Subdivision Lime Kiln Valley II Lot # 30 Well tag # 40-81-1597

Site Address 7635 Greendell Lane
 Highland, Maryland 20777

Pump

1. Type
 a. Deep well jet
 b. Shallow well jet
 c. Submersible X

Motor

1. Horsepower 1/2
 2. RPM
 3. Voltage
 a. 110
 b. 220

Pitless Adapter

1. Make Martinson
 2. Model #
 3. Depth

2. Make Gould
 3. Model #
 4. Capacity GPM

5. Pump exceeds well capacity Yes X No

6. If Yes, is low pressure cutoff switch installed? Yes X No

7. What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors Cable guards X Other

Tank

1. Capacity 82
 2. Pressure relief valve? yes

Piping

1. Type
 2. Size
 3. NSF and/or BOCA Code approved
 4. Depth of supply line

Well data

1. Depth 200 ft.
 2. Yield 7 GPM
 3. Static water level ft.
 4. Will water supply be disinfected by installer?

I understand that it is my responsibility to notify the ^{HEALTH} Howard County Health Department when the installation is ready for inspection (otherwise this permit is null and void).

All information given above is true to the best of my knowledge.

Signature of Applicant: Albin Hawkins

Date: 11/24/87

Note: A sticker indicating approval/status of the installation will be placed on the well casing at the time of the inspection.