

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL OK *West* *Cleanouts* *C.O.#1* *S.T.*

DISTRIBUTION BOX LEVEL OK *Beffle is in*

DRAIN FIELD/TITLE DEPTH 6 FT. TRENCH WIDTH 3 FT. INLET DEPTH 3 1/2 FT.

EFFECTIVE GRAVEL DEPTH 2 1/2 FT. (TOTAL LENGTH $\frac{1}{83'} + \frac{2}{80'} + \frac{3}{80'} + \frac{4}{83'}$ FT.) = 320

NUMBER OF TRENCHES 4 ONE SIDEWALL/BOTTOM AREA 978 SQ. FT.

DRYWALL INSIDE DIAMETER FT. EFFECTIVE DEPTH BELOW INLET FT.

ABSORBENT AREA 978 SQ. FT.

REMARKS: 7/30/93 VERIFIED LAYOUT W/INSTALLER MR. 8/2/93

late P.M. - #1 Trench - ok to cover + from house to

distribution box - only C.Bd (well card @ S.T.C.O.) Partial-

8/3/93 P.M. Final - all work done

C.Bd

8/2/93 NO W.P.I.

8/3/93 NO W.P.I. - C.Bd.

DATE SYSTEM APPROVED 8/3/93 INSPECTOR Charles E. Ryan

APPLICATION

*Permitting 8/15/88 9:30 AM
I/A #1389 AM*

PERCOLATION TESTING

A 42039

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 461-9933

DISTRICT 4

DATE 6-22-88

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 ~~Basil D. Sellers, et al~~ LANNETTE BUNK & Jim RICE

letter ADDRESS 934 E. lake ave PHONE _____

PROSPECTIVE BUYER THOMAS M O'Neill (contact)

ADDRESS 5993 Setter Dr Elkridge, MD 21227 PHONE ~~247-2710~~ ~~744-8181~~
379-6430 876-5471

PROPERTY LOCATION:

SUBDIVISION _____ LOT NO. 21

ROAD AND DESCRIPTION off (628 West Watersville Rd) Old Watersville Rd on left dirt road
property at end of dirt road.

TAX MAP 2 PARCEL # 73

SIZE OF LOT 7.5 acres TYPE BLDG UNIMPRV land
(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.

Thomas M O'Neill
(SIGNATURE OF APPLICANT)

APPROVED BY *[Signature]* FOR *Deep* ~~Shallow~~ *trenches* DATE 6-7-89

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 2-24-89 Perc SATISFACTORY - Hold for certified hole

LOCATION _____ BLDG. PERMIT SIGNED _____ AND RETURNED 15/18/92
Serial # 46589 SFD - 4 Bedrooms
_____ AND RETURNED 11-26-90

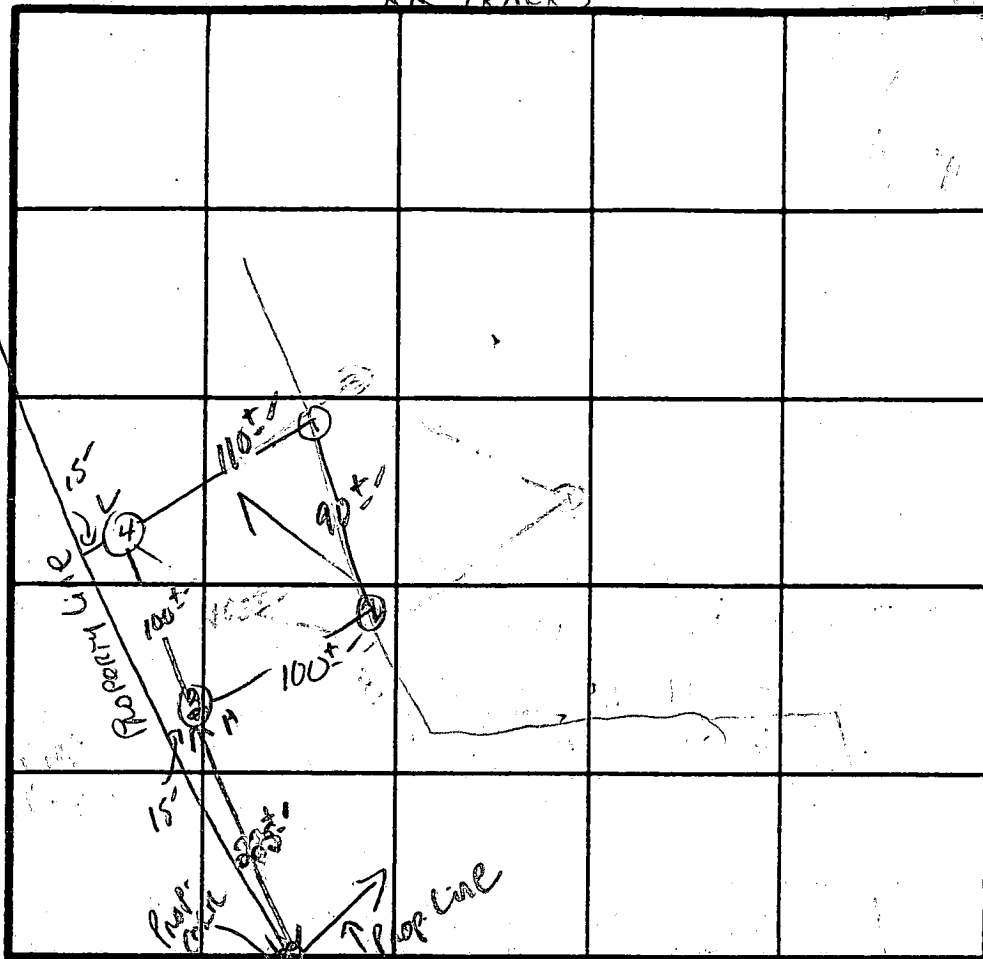
THIS IS NOT A PERMIT

HD-216

RR TRACKS

SOIL PROFILE

0	A1-3
3ft	Strong Bl Clay loam 15-25% Frag
4.0	Red BA. (orange) silty loam 15% clay
4.5	Red BA. (orange) silt loam map 25-40% frag of depth
5.0	
12"	



x Perc
12min
240 p/BA
Inlet
3.5
Bottom 6.5
12 wide

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

W. WATERVILLE RD.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
2/24/89	1 S	5"	11:45	11:53	11:53	12:10	17 min
		9"	11:39	11:41	11:41	11:46	5 min
	1 V	12"	Sample AS 16p #4				
	2 S	5.0"	11:32	11:40	11:40	11:59	19 min
		9"	11:26	11:29	11:29	11:39	10 min
	2 V	12"	Similar to hole #3		NO MASSIVE SAND AT 11"		
	3 S	5.0"	11:14	11:19	11:19	11:26	7 min
		8.5"	11:06	11:21	11:21	11:29	8 min
	3 V	12"	Similar to #4		NO MASSIVE SAND AT 11"		
	4 S	5.5"	11:08	11:20	11:20	11:42	27 min
		9"	11:05	11:09	11:08	11:14	6 min
	4 V	12.5"	AS profiled				

REMARKS: SHALLOW SYST only

TYPE OF SOIL: Mt Airy

TESTED BY: S. Abel

ALSO PRESENT: Tom, Dave

NORTH
SCALE: 1"=100'

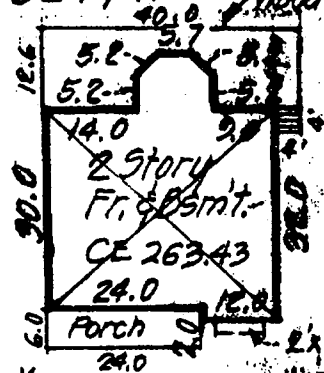
LOT 6
PAYNE TRACT
SUBD.
PLAT/CMP 6658

LIBER 1947 @ FOLIO 192
315525 &
OR
7.2433 AC

PLAN
MAY NOT
BE TO
SCALE
AS SHOWN

RICHARD J. JACKSON

524/118



* INSET

SCALE: 1"=30'
HOUSE LOCATION SURVEY
" LOT 1, HEADQUARTERS "
628 WEST WATERSVILLE ROAD
MOUNT AIRY MD. 21771

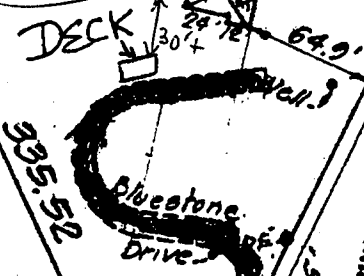
LANNETTE BUNK
HOWARD COUNTY, MD.
LIBER 1947 @ FOLIO 192

SCALE: 1"=100' FEB. 14 1993
DEED No.

200' SHEET:

Recertified Sept 3 1993
* NOT IN A FLOOD PLANE

EX. TRENCHES
Bunk & Rice
Residence
2-Story
EX. Fr. & Smt.
S.T. Bay Window



PROPOSED
DECK OR
NO IMPACT

MR
8/25/98



FRANK J. COLT
Surveys Field Operations Supervisor

PLS No MD 5204

A.

Baltimore & Ohio R.R. Right of Way
 N74°41'03"E 759.00

N71°11'03"E 214.50

11-26-90
 Trench Length to be determined by Health Dept at time of SEPTIC permit issuance
 4 bedrooms

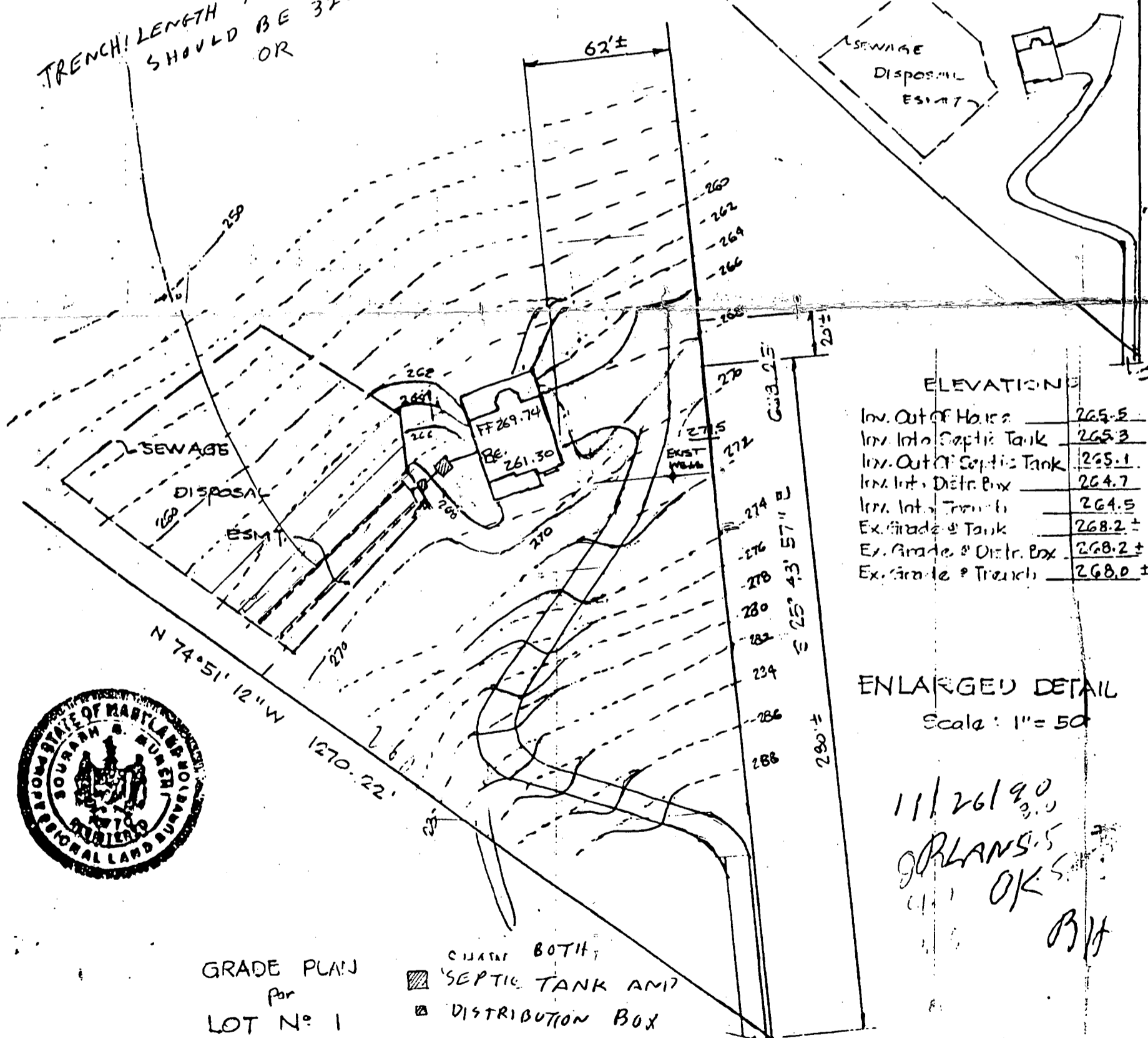
Thomas M. O'Neil
 owner/Builder
 12/18/92

KEVIN HUNTER
 TRENCH LENGTH TO BE DETERMINED BY HEALTH DEPT AT TIME OF SEPTIC PERMIT ISSUANCE
 WRITE # OF BEDROOMS

LOT N° 1
 7.2433 ACRES ±
 Scale: 1" = 100'

All ELEVATIONS AND DIMENSIONS ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND ABILITY
 12/18/92

TRENCH LENGTH TOO SHORT FOR 4 BEDROOM
 SHOULD BE 320' LINEAR FT OR



ELEVATIONS

Inv. Out of House	265.5
Inv. Into Septic Tank	265.3
Inv. Out of Septic Tank	265.1
Inv. Into Distr. Box	264.7
Inv. Into Trench	264.5
Ex. Grade of Tank	268.2 ±
Ex. Grade of Distr. Box	268.2 ±
Ex. Grade of Trench	268.0 ±

ENLARGED DETAIL
 Scale: 1" = 50'

11/26/90
 OK
 B/H



GRADE PLAN for LOT N° 1
 CHINA BOTTL
 SEPTIC TANK AND DISTRIBUTION BOX

"HEAD QUARTERS"

4TH ELECTION DISTR.
 HOWARD COUNTY, MD.
 TAX MAP 2 PARCEL 73

DON LYNCH ASSOC., INC.
 4907 HARFORD ROAD
 BALTIMORE, MD. 21214
 254-4936
 Scale: 1" = 50' Date: 12/18/92

B 1 **3240** SEQUENCE NO. (DP USE ONLY)
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

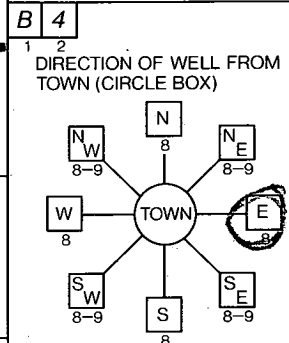
STATE OF MARYLAND
 PERMIT TO DRILL WELL
 please print or type

STATE PERMIT NUMBER
HO-88-1223
 fill in this form completely

Date Received (APA) **022690**
 OWNER INFORMATION
O'NEILL THOMAS
 15 Last Name 34 Owner First Name
5993 SETTER DRIVE
 36 Street or RFD 55
ELKRIDGE MD 21227
 57 Town 70 State 72 Zip 76

B 3 LOCATION OF WELL
HOWARD
 8 COUNTY 21
HEADQUARTERS
 23 SUBDIVISION 42
 SECTION 44 46 LOT 48 50 PARCEL 73
MOUNT AIRY
 52 NEAREST TOWN 71
 MILES FROM TOWN (enter 0 if in town) **3** MI
 73 76 77 78

DRILLER INFORMATION
RONALD KYKER **296**
 77 License No. 80
WESTMINSTER ROTARY WELL DRILLING, INC.
 Firm Name
P.O. BOX 861, WESTMINSTER, MD 21187
 Address
Ronald Kyker **2/21/90**
 Signature Date



WEST WATERSVILLE ROAD
 11 NEAR WHAT ROAD 30
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
 NORTH WEST EAST SOUTH
 34 **700** 37 DISTANCE FROM ROAD
 ENTER FT or MI **FT**
 38 39

B 2 WELL INFORMATION
 APPROX. PUMPING RATE (GAL. PER MIN.) **5**
 8 12
 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) **550**
 14 20

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 **# 42039**
 COUNTY NAME COUNTY NO.
 STATE SIGNATURE _____ INSERT S _____
 DATE ISSUED **022690**
 43 48 CO SIGNATURE *Charles Began* **8/26/90** EXP. DATE
 NORTH GRID **537000** EAST GRID **0765000**
 50 55 57 63

APPROXIMATE DEPTH OF WELL **400** FEET
 24 28

APPROXIMATE DIAMETER OF WELL **6** INCH
 NEAREST INCH

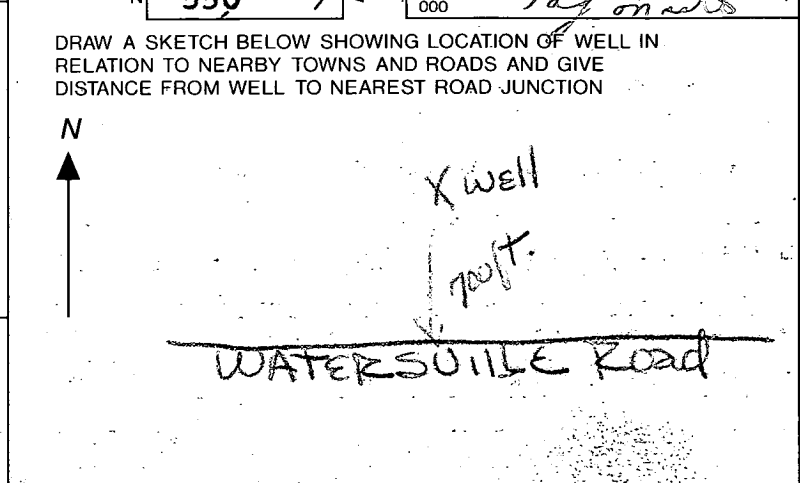
METHOD OF DRILLING (circle one)
 BORED (or Augered) JETTED Jetted & DRIVEN
 AIR-ROTary AIR-PERCussion ROTARY (Hydraulic Rotary)
 CABLE REVERSE-ROTary DRIVE-POINT
 other _____

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X
 SOURCES OF DRILLING WATER
 1. **CITY**
 2.
 3.
 WRITE THE BOX NUMBER FROM THE MAP HERE

E	760	5
N	550	7

 000 000
8/3/90 10:30 - Well drilled 11:00 on
19' Bags of cement
62' bag
60' Open
2' cast local good
c. bed
Tap on rd

REPLACEMENT OR DEEPENEWED 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 DEEPEAN EXISTING WELL
 PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPENEWED (IF AVAILABLE) _____



Not to be filled in by driller (OEP USE ONLY)
 APPROP. PERMIT NUMBER _____ GAP _____
 54 63
 FORCE **CO** WRITE INITIALS IN BOX PERMIT No. **HO-88-1223**
 67 68 70 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS
Phone 379-0855

C1 1361 SEQUENCE NO. (DENV USE ONLY)
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

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 A 42039

ST/CO USE ONLY
 DATE Received [] [] [] [] [] []
 DATE WELL COMPLETED 080390

Depth of Well 278
 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL"
10/12/90 40-88-1223

OWNER D'Neill Thomas
 last name first name
 STREET OR RFD W. Loversville Rd TOWN Mt. Airy
 SUBDIVISION Parcel 73 Liber 320 SECTION 22 LOT 1

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		Check if water bearing
	FROM	TO	
Dirt	0	3	
Soft Br. Shale	3	58	
Blue & Br. Shale	58	85	
Br. Shale	85	86	X
Blue Slate	86	150	
Br. Shale	150	151	X
Blue Slate	151	278	

GROUTING RECORD
 WELL HAS BEEN GROUTED (Circle Appropriate Box)
 TYPE OF GROUTING MATERIAL
 CEMENT CM BENTONITE CLAY BC
 NO. OF BAGS 19 NO. OF POUNDS 1,786
 GALLONS OF WATER 114
 DEPTH OF GROUT SEAL (to nearest foot)
 from 0 ft. to 60 ft.
 (enter 0 if from surface)

PUMPING TEST
 HOURS PUMPED (nearest hour) 3
 PUMPING RATE (gal. per min. to nearest gal.) 4
 METHOD USED TO MEASURE PUMPING RATE submersible
 WATER LEVEL (distance from land surface)
 BEFORE PUMPING 85
 WHEN PUMPING 230
 TYPE OF PUMP USED (for test)
 A air P piston T turbine
 C centrifugal R rotary O other (describe below)
 J jet S submersible

CASING RECORD
 casing types insert appropriate code below
 S T 6 6 2
 STEEL CONCRETE PLASTIC OTHER
 MAIN CASING TYPE Nominal diameter top (main) casing (nearest inch) Total depth of main casing (nearest foot)
 S T 6 6 2

PUMP INSTALLED
 DRILLER WILL INSTALL PUMP YES NO
 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:
 CAPACITY: GALLONS PER MINUTE (to nearest gallon)
 PUMP HORSE POWER
 PUMP COLUMN LENGTH (nearest ft.)
 CASING HEIGHT (circle appropriate box and enter casing height)
 + above LAND SURFACE
 - below (nearest foot) 2

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

SCREEN RECORD
 screen type or open hole insert appropriate code below
 S T B R H O
 STEEL BRASS BRONZE OPEN HOLE
 PL PLASTIC OT OTHER

SCREEN
 DEPTH (nearest ft.)
 H O 6 2 2 7 8
 SLOT SIZE 1 2 3
 DIAMETER OF SCREEN (NEAREST INCH)
 from to

CIRCLE APPROPRIATE LETTER
 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 IDENT. NO. 296
RONALD L. KYKER
 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)
 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.) W Q
 TELESCOPE CASING LOG INDICATOR OTHER DATA

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)

Handwritten notes and signatures:
 7/2/90
 [Signature]
 [Signature]

PAYNE TRACT
PLAT C.M.P. #6658
LOT 6

LOT #1
7.2433 ACRES +

LOT #2
10.2806 ACRES +

BALTIMORE & OHIO RAILROAD (RIGHT-OF-WAY)

LIBER 470 FOLIO 235

PARCEL 25
LIBER 180 FOLIO 524

PARCEL 74
LIBER 478 FOLIO 572

HOUSE LOCATION

PROP. RAD

ABSORPTION AREA
10,000 sq ft

S.D.A.

PROP. HOUSE LOCATION

*2/26/90
New water well
will be drilled
to be 1/2 from old
dry hole 200
C.B.D.
R. Kyles*

*Mr. O. Kyles
Mr. Kyles
New well
ok 50' depth
in radius
off property
line*

*Actual Drilled Well Site
for CBS 10/17/90
Well site
10' off line
CBS (10/17/90)*

*Ronnie Kyles
Left top
11-88-223
CBS*

NOTES:

- 1.) S.D.A. FOR LOT 2 CONVENTIONAL SAND MOUND SEWAGE DISPOSAL ONLY.
- 2.) PLAT TO ACCOMPANY DESCRIPTION FOR LOT 1 - 7.2433 ACRES AND LOT 2 - 10.2806 ACRES

APPROVED
ON SITE PRIVATE WATER AND PRIVATE SEWER
HOWARD COUNTY HEALTH DEPARTMENT
HOWARD COUNTY HEALTH OFFICER

PERCOLATION CERTIFICATION PLAT
BOUNDARY SURVEY
TWO PARCELS OF LAND
KNOWN AS "HEAD QUARTERS"

TAX MAP NO 2 PARCEL 73
4TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE 1" = 100 JUNE 1989

DON LYNCH ASSOC., INC
4907 HARFORD ROAD
BALTIMORE, MARYLAND
21214



Sourabh Munshi

Scale 1" = 100'