

8/27/85 ASH

APPROVED
3/27/85
R.H. P 35775

PERMIT

SEWAGE DISPOSAL SYSTEM

A 18150

MARYLAND STATE DEPARTMENT OF HEALTH

04-337069

ELLICOTT CITY

DISTRICT 4th

DATE 3/22/85

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
992-2330

INDEXED

William H. Smith IS PERMITTED TO INSTALL ALTER

ADDRESS P. O. Box 38, Darlington, Maryland 21034 PHONE 879-7614

SUBDIVISION Warfield Estates ROAD 14580 MacClintock Dr. LOT 8-C

PROPERTY OWNER Edward Kraus

ADDRESS

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

Handwritten calculations:
3 1/3
16 3/3
8 1/5
136
6 8/15
6
21
18
35

GARBAGE GRINDER? YES _____ NO

SEPTIC TANK CAPACITY 1500 GALLONS NUMBER OF BEDROOMS 5

TRENCHES - 163 sq. ft. per bedroom. Trench to be 2 feet wide. Inlet 3 1/2 feet below original grade. Bottom maximum depth 9 1/2 feet below original grade. Effective area begins at 3 1/2 feet below original grade. 6 feet of stone below distribution pipe. LOCATION: Place the trench between the high perc holes near the front of the lot. One perc hole is located 20 feet from the front lot line and 100 feet from the left side of the lot as seen when facing the lot from MacClintock Drive. The other perc hole is located 70 feet from the front lot line and 30 feet from the left side of the lot as seen when facing the lot from MacClintock Drive. NOTE: No trench to exceed 100 feet in length. If more than one trench used, a distribution box is required. Trenches to be installed on level ground. Call for inspection of trench(s) before and after gravel is installed. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank.

PLANS APPROVED BY Raymond Hodges/Frank Skinner DATE 9/26/84

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 AND AFTER PLACING GRAVEL IN TRENCH.

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.

PERMIT VOID AFTER THREE YEARS.

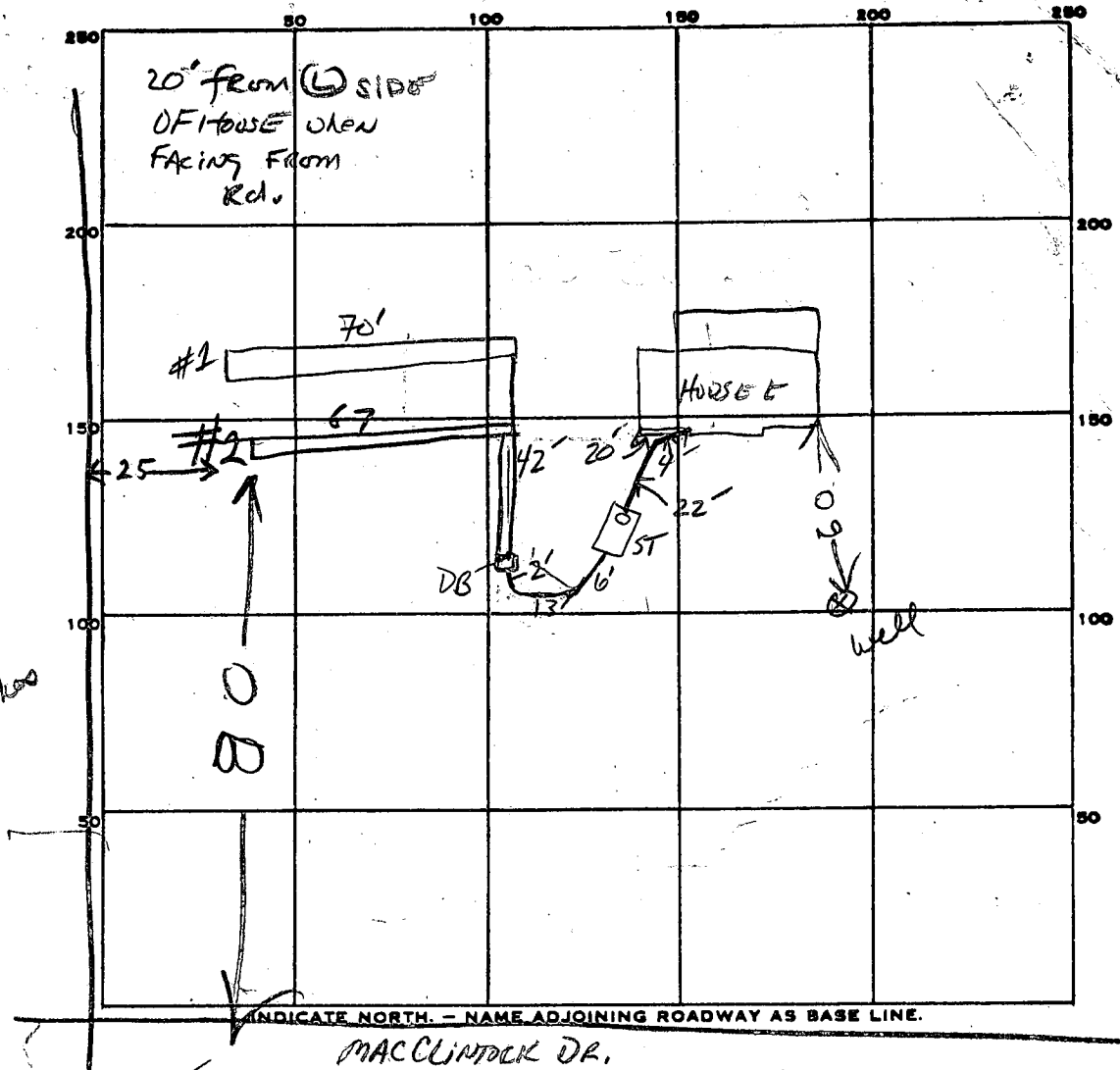
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL. STAND PIPES MUST BE 6 INCHES IN DIAMETER. CAST IRON, CONCRETE OR TERRA COTTA, OR PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET MANHOLE TO GRADE REQUIRED.

***INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT**

*CALL 992-2330 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1082

A 35775



Rec'd
140
of trenches

PERMIT CARD

SEPTIC TANK, LEVEL 1500 gal

CLEANOUTS STV

DISTRIBUTION BOX, LEVEL

TILE FIELD, DEPTH	#1 9'-9.5"	#2 9 1/2" to 10 1/4"	TRENCH WIDTH	#1 2'	#2 2 1/2'	INLET	#1 3-3.5'	#2 3 1/2'
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GRAVEL DEPTH	#1 6.5'	#2 6.5'	TOTAL LENGTH	#1 70'	#2 67'	137'
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NUMBER OF TRENCHES	2	TOTAL BOTTOM AREA	455	435	TOTAL 890
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SEEPAGE PITS, INSIDE DIAMETER _____ FT. DEPTH BELOW INLET _____ FT.

ABSORBENT AREA _____ SQ. FT.

REMARKS 3-26-85 OK TO ADD STONE TO TRENCH #1 - OK TO COVER FROM DB

BACK TO HOUSE. DIG TRENCH #2 AND CALL FOR INSPECTION IN AM 5:00

3/27/85 - TRENCH #2 DUG & FILLED WITH STONE RH

DATE SYSTEM APPROVED 3/27/85 INSPECTOR Raymond Hoyle

APPLICATION

A 18150

P _____

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: 465-5000, EXT. 356

DISTRICT 4th

DATE 3-22-73

5/31/84
2:30 p.m.
1st

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 Robert W. Douglas Edward Kraus

ADDRESS 9315 Annapolis Rd., Lanham, Md. PHONE 577-0065

PROPERTY LOCATION:

SUBDIVISION Warfield Estates LOT NO. 25, Sect. 7 ^{8-C non-buildable}

ROAD AND DESCRIPTION unnamed 1450 MacClintock Dr.

SIZE OF LOT 2.3 Acres 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.

SIGNATURE OF APPLICANT Robert W. Douglas /s/

APPROVED BY Frank Shenn FOR trench DATE 9/26/84
(KIND OF SYSTEM)

REJECTED BY R. Mansfield FOR _____ DATE 10/5/20
(KIND OF SYSTEM)

HOLD PENDING FURTHER TESTS _____ DATE _____

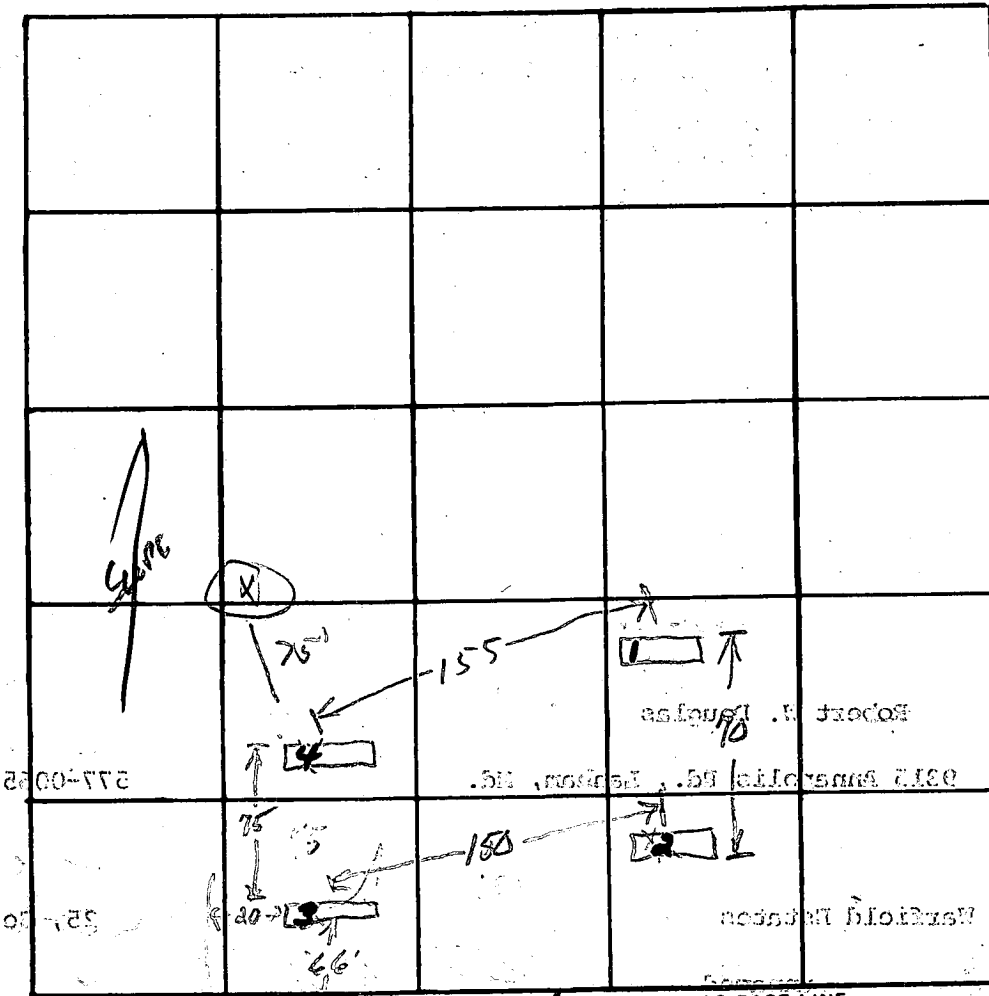
REASONS FOR REJECTION OR HOLDING rocky, would find water on lower end

Call LT 24, 26, 27) 5/22/84 Hold for revised plat F.S. BPG 2699

9/27/84 5 spec water test BLDG. PERMIT SIGNED AND RETURNED 1-25-85

THIS IS NOT A PERMIT

189
37-33-3



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE.

Macelintock

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
Low hole	1s	3 1/2	1417	1422	1422	1428	6	Dark loamy sand - some clay binder
	1d	11 1/2	1418	1420	1426	1427	7	
	2s	3	1426	1430	1430	1438	8	
High hole	2d	11	1425	1434	1434	1439	5	2/3 total
	3s	3 1/2	1432	1437	1437	1437	3 1/2	
	3d	13 1/2	1433	1437	1437	1447	10	
	4	11 1/2	Visual					

REMARKS _____

TYPE OF SOIL _____

APPLICATION

A 18150

SEWAGE DISPOSAL TESTING

P _____

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: 468-5000, EXT. 356

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DATE 3-22-73

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 Robert W. Douglas

ADDRESS 9315 Annapolis Rd., Lanham, Md. PHONE 577-0065

PROPERTY LOCATION:

SUBDIVISION Warfield Estates LOT NO. 25, Sect. 7

ROAD AND DESCRIPTION unnamed

SIZE OF LOT 2.3 Acres 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.

SIGNATURE OF APPLICANT Robert W. Douglas /s/

APPROVED BY _____ FOR _____ DATE _____
(KIND OF SYSTEM)

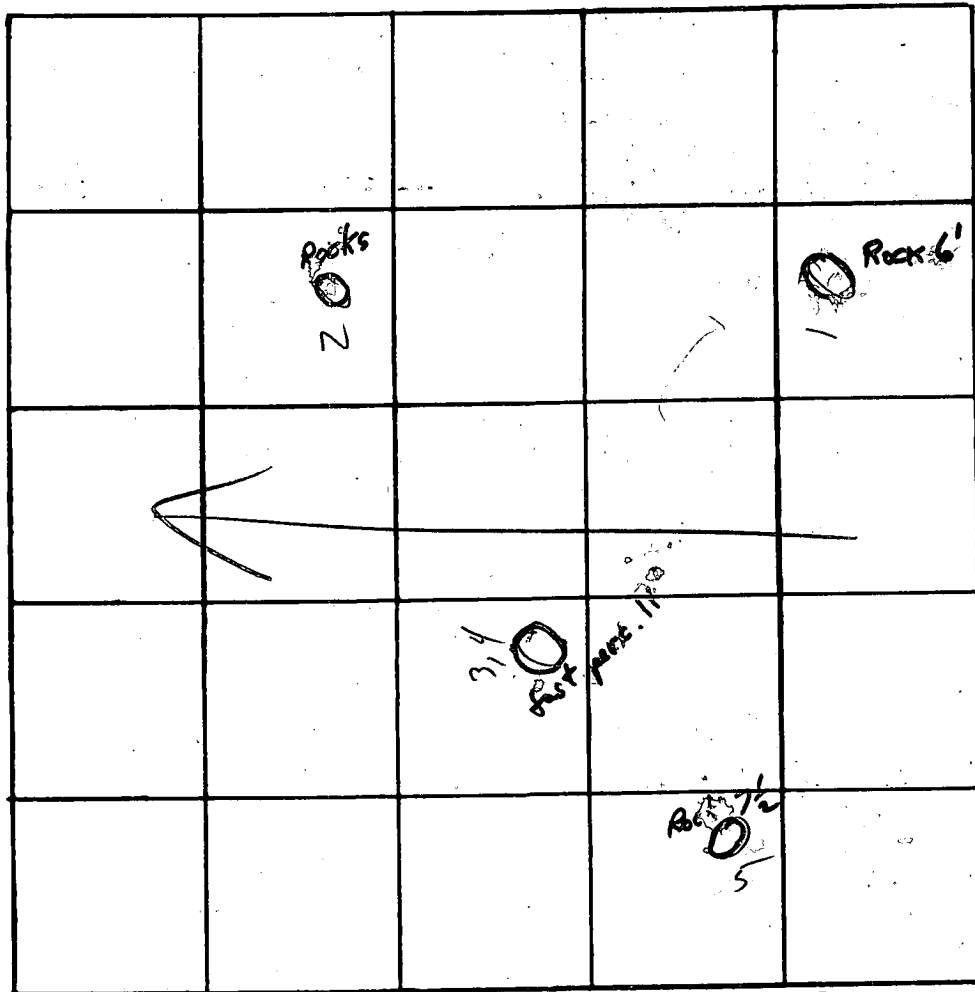
REJECTED BY _____ FOR _____ DATE _____
(KIND OF SYSTEM)

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING _____

THIS IS NOT A PERMIT

lot 25



New
Lot 8-C
Non-Buildable
Lot 25

non-buildable

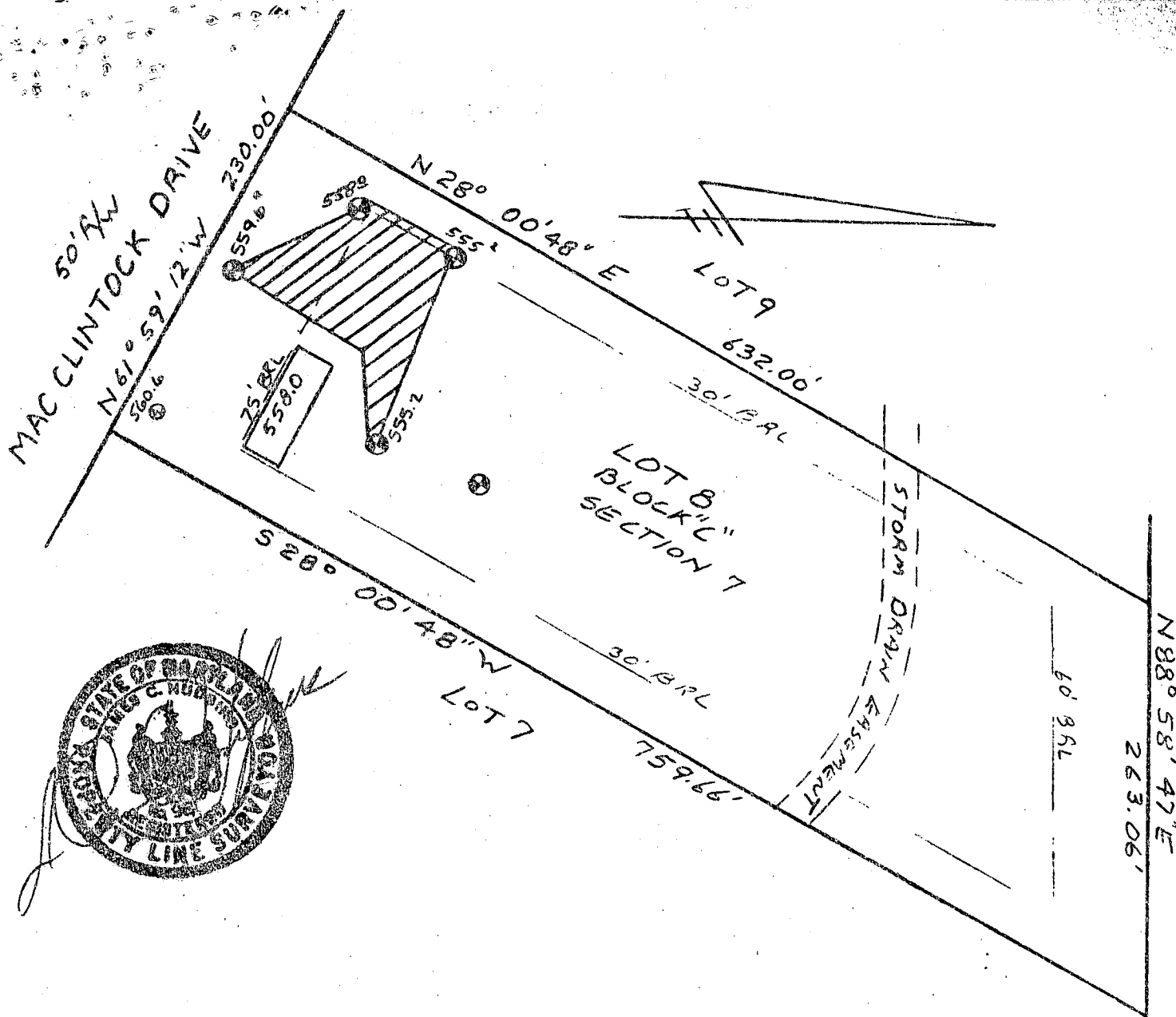
INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE.


N ← ← 97 →

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
10/5	①	6'	vis	loam	+ rocks			
	②	10'	vis	loam	+ rocks			
	3	5	10 ³⁸	10 ³⁹	10 ³⁹	10 ⁴⁰	1	
	④	11	10 ³⁹	10 ⁴⁰	10 ⁴⁰	10 ⁴¹	1	
	⑤	7 1/2'	vis	Rock in	bottom			
	[See plat]							
5/3/84	①	8	- water		at 7ft			
	②	12	- sandy soil good - little wet at very bottom					

JS

REMARKS this lot to be combined w/ 1/2 26 and all of 24
 holes with rock still gone well Rm
 TYPE OF SOIL _____



 This area designates a private sewage easement of 10,000 square feet as required by the Maryland State Department of Health and Mental Hygiene for individual sewage disposal. Improvements of any nature in this area are restricted until public sewage is available. These easements shall become null and void upon connection to a public sewage system. The County Health Officer shall have the authority to grant variances for encroachments into the private sewage easement. Recordation of a modified sewage easement shall not be necessary.

Percolation test holes shown hereon have been field located and shown as "⊕".

The lots shown hereon comply with the minimum ownership width and lot areas as required by the Maryland State Department of Health and Mental Hygiene.

Percolation areas and water wells for adjoining lots have been shown where pertinent.

APPROVED: For Private Water and Private Sewage Systems

Joyce M. Boyd MD per F.S.
County Health Officer

9/26/84
Date

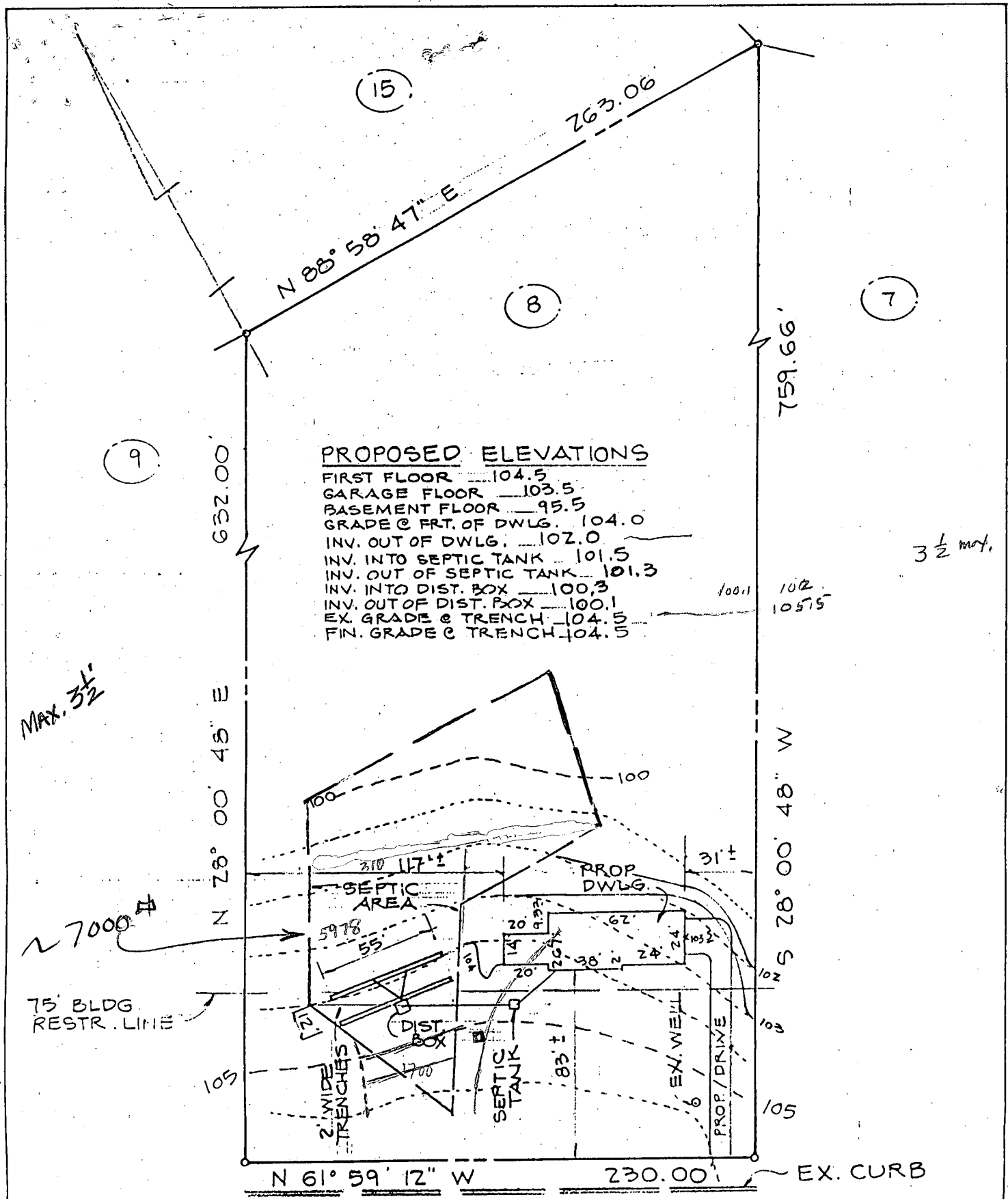
PERCOLATION TEST PLAT

LOT 8 BLOCK "C"

WARFIELD ESTATES

4th Election District
Howard County, Maryland
Scale 1"=100'
Date 6/6/84

NTT Associates
101 Sterrett Place
Columbia, MD 21044
442 2031



PROPOSED ELEVATIONS

FIRST FLOOR	104.5
GARAGE FLOOR	103.5
BASEMENT FLOOR	95.5
GRADE @ FRT. OF DWLG.	104.0
INV. OUT OF DWLG.	102.0
INV. INTO SEPTIC TANK	101.5
INV. OUT OF SEPTIC TANK	101.3
INV. INTO DIST. BOX	100.3
INV. OUT OF DIST. BOX	100.1
EX. GRADE @ TRENCH	104.5
FIN. GRADE @ TRENCH	104.5

3 1/2' max.

MAX. 3 1/2'

MACCLINTOCK DRIVE
(50' R/W)

B.P. #62699
KRAUS

MCKEE & ASSOCIATES, INC.
CIVIL ENGINEERS & LAND SURVEYORS
1717 YORK RD. LUTHERVILLE, MD 21093

SITE PLAN
LOT 8C - SECT. 7
"WARFIELD ESTATES"

4TH ELECT. DIST. HO. CO., MD.
SCALE: 1" = 60' 1/12/85

C1 3015 SEQUENCE NO. (OEP USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.

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

COUNTY NUMBER A 18150

DATE Received DATE WELL COMPLETED Depth of Well PERMIT NO. FROM "PERMIT TO DRILL WELL"

OWNER KRALIS EDWARD STREET OR RFD McCLINTOCK DR. first name TOWN GLENWOOD SUBDIVISION WARFIELD ESTS SECTION 7 LOT 8

WELL LOG table with columns: DESCRIPTION (Use additional sheets if needed), FEET (FROM, TO), Check if water bearing. Includes handwritten entries: Brown shale 0-19, Gray mica rock 18-205.

GROUTING RECORD: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL: CEMENT (CM), BENTONITE CLAY (BC), NO. OF BAGS: 5, NO. OF POUNDS: 470, GALLONS OF WATER: 30, DEPTH OF GROUT SEAL: 0-23 ft.

CASING RECORD: MAIN CASING TYPE: ST (STEEL), Nominal diameter: 6 inch, Total depth: 23 feet.

OTHER CASING (if used) table with columns: diameter inch, depth (feet) from, to.

SCREEN RECORD: screen type or open hole: ST (STEEL), BR (BRASS), HO (OPEN HOLE), PL (PLASTIC), OT (OTHER).

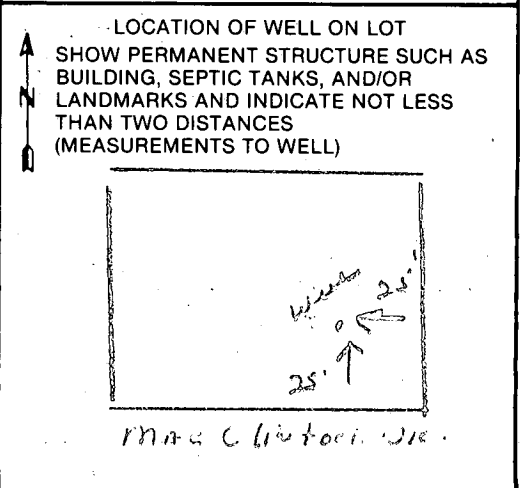
SCREEN DEPTH table with columns: DEPTH (nearest ft.), rows for EACH SCREEN (1-3) and SLOT SIZE (1-3).

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

OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER): T (TELESCOPE CASING), WQ (WELL QUALITY), LOG INDICATOR, OTHER DATA.

PUMPING TEST: HOURS PUMPED: 3, PUMPING RATE: 10 gal/min, METHOD USED TO MEASURE PUMPING RATE: Bucket, WATER LEVEL: 23 ft before, 23 ft when pumping, TYPE OF PUMP USED: S (submersible).

PUMP INSTALLED: DRILLER WILL INSTALL PUMP: YES (NO), TYPE OF PUMP INSTALLED: S (submersible), CAPACITY: 0 gallons per minute, PUMP HORSE POWER: 0, PUMP COLUMN LENGTH: 0 feet, CASING HEIGHT: 0 feet.



CIRCLE APPROPRIATE LETTER: A (WELL ABANDONED AND SEALED), E (ELECTRIC LOG OBTAINED), P (TEST WELL CONVERTED TO PRODUCTION WELL).

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 10.17.13 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT...

DRILLERS IDENT. NO. 238

DRILLERS SIGNATURE: Joseph L. M... (MUST MATCH SIGNATURE ON APPLICATION)

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

B 1 **1525** SEQUENCE NO. (OEP USE ONLY)
 (THIS NUMBER IS TO BE PUNCHED IN COLUMNS 3-6 ON ALL CARDS)

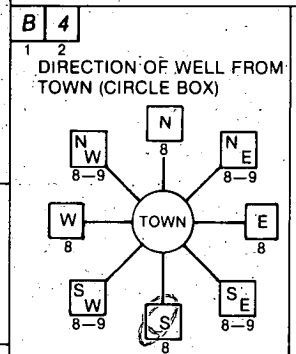
STATE OF MARYLAND
 PERMIT TO DRILL WELL
 please print or type.

OEP PERMIT NUMBER
HO-81-0811
 fill in this form completely

Date Received **10/12/84 9:30 AM**
1203FC OWNER INFORMATION
KRAUS EDWARD
4216R SILVER SPRING
PERRY HALL MD **21128**

B 3 LOCATION OF WELL
HOWARD COUNTY
WAREFIELD ESTATES SUBDIVISION
 SECTION **7** LOT **2**
CLEWOOD NEAREST TOWN
 MILES FROM TOWN (enter 0 if in town) **1** MI

DRILLER INFORMATION
Joseph C. Wagner Driller's Name
238 License No. 80
Joseph C. Wagner Firm Name
5512 Ridge Rd. Mt. Airy Md. Address
Joseph C. Wagner Signature **12/3/84** Date



Mac Clintock Drive NEAR WHAT ROAD
 NORTH
 WEST EAST SOUTH
 ENTER FT or MI **FT**

B 2 WELL INFORMATION
 APPROX. PUMPING RATE (GAL. PER MIN.) **5**
 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) **500**

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 Co COUNTY NAME **A18150** COUNTY NO.
 OEP SIGNATURE _____ STATE HEALTH INSERT S _____
 DATE ISSUED **120784** CO SIGNATURE **J. Stanger** EXP. DATE **6/7/85**
 NORTH GRID **526000** EAST GRID **0792000**

APPROXIMATE DEPTH OF WELL **260** FEET

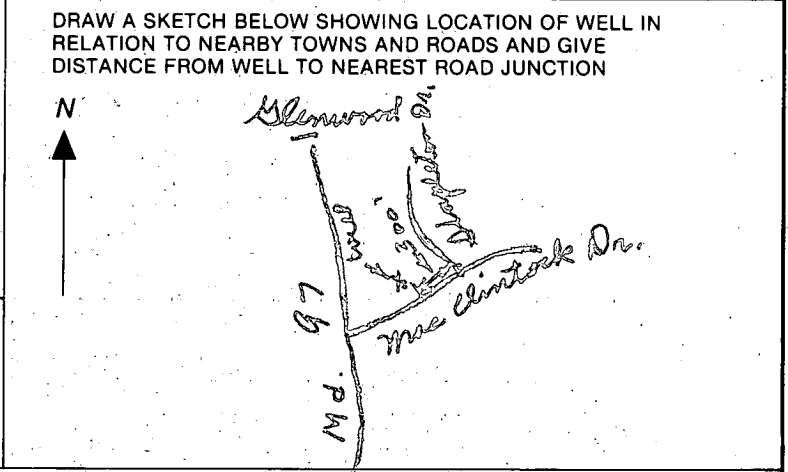
APPROXIMATE DIAMETER OF WELL **6** INCH NEAREST

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. WELL
 2.
 3.
 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

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
 THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY
 THIS WELL WILL DEEPEIN AN EXISTING WELL
 PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEINED (IF AVAILABLE) _____



Not to be filled in by driller (OEP USE ONLY)
 APPROP. PERMIT NUMBER **GAP**
 FORCE **JS** WRITE INITIALS IN BOX PERMIT No. **HO-81-0811**

SPECIAL CONDITIONS